



2020 MKZ HYBRID



Owner's Manual

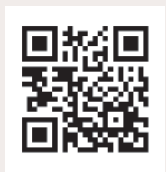
2020 MKZ HYBRID Owner's Manual



LH6J 19A321 HB



November 2019
Second Printing
Litho in U.S.A.



lincolncanada.com



owner.lincoln.com



The information contained in this publication was correct at the time of going to print. In the interest of continuous development, we reserve the right to change specifications, design or equipment at any time without notice or obligation. No part of this publication may be reproduced, transmitted, stored in a retrieval system or translated into any language in any form by any means without our written permission. Errors and omissions excepted.

© Ford Motor Company 2019

All rights reserved.

Part Number: 201905 20191028213714

California Proposition 65



WARNING: Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.



WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. **Wash your hands after handling.**

Table of Contents

Introduction

About This Manual	7
Symbols Glossary	7
Data Recording	10
Perchlorate	14
Lincoln Automotive Financial Services	14
Replacement Parts Recommendation	15
Special Notices	15
Mobile Communications Equipment	16
Export Unique Options	17

Environment

Protecting the Environment	18
----------------------------------	----

At a Glance

Instrument Panel	19
------------------------	----

Child Safety

General Information	21
Installing Child Restraints	23
Booster Seats	30

Child Restraint Positioning	33
Child Safety Locks	35

Seatbelts

Principle of Operation	36
Fastening the Seatbelts	37
Seatbelt Height Adjustment	39
Seatbelt Warning Lamp and Indicator Chime	40
Seatbelt Reminder	41
Child Restraint and Seatbelt Maintenance	42
Seatbelt Extensions	43

Personal Safety System™

Personal Safety System™	44
-------------------------------	----

Supplementary Restraints System

Principle of Operation	45
Driver and Passenger Airbags	46
Front Passenger Sensing System	48
Side Airbags	50

Driver and Passenger Knee Airbags	51
Safety Canopy™	51
Crash Sensors and Airbag Indicator	53
Airbag Disposal	54

911 Assist

What Is 911 Assist	55
Emergency Call Requirements	55
Emergency Call Limitations	56

Keys and Remote Controls

General Information on Radio Frequencies	57
Remote Control	57
Replacing a Lost Key or Remote Control	61

MyKey™

Principle of Operation	62
Creating a MyKey	63
Clearing All MyKeys	64
Checking MyKey System Status	64
Using MyKey With Remote Start Systems	65

Table of Contents

MyKey – Troubleshooting	65
-------------------------------	----

Doors and Locks

Locking and Unlocking	67
Power Decklid	71
Keyless Entry	73
Interior Luggage Compartment Release	75

Security

Passive Anti-Theft System	77
Anti-Theft Alarm	78

Steering Wheel

Adjusting the Steering Wheel - Vehicles With: Manual Adjustable Steering Column	80
Adjusting the Steering Wheel - Vehicles With: Power Adjustable Steering Column	80
Audio Control	82
Voice Control	82
Cruise Control - Vehicles With: Adaptive Cruise Control With Stop and Go	82

Cruise Control - Vehicles With: Cruise Control	83
Information Display Control	83
Heated Steering Wheel	83
Horn	83

Wipers and Washers

Windshield Wipers	84
Autowipers	85
Windshield Washers	86

Lighting

General Information	87
Lighting Control	87
Autolamps	88
Instrument Lighting Dimmer	89
Headlamp Exit Delay	89
Daytime Running Lamps - Vehicles With: Daytime Running Lamps (DRL)	89
Daytime Running Lamps - Vehicles With: Configurable Daytime Running Lamps	89
Adaptive Headlamps	90
Direction Indicators	90

Welcome Lighting	91
Interior Lamps	91
Ambient Lighting	92

Automatic High Beam Control

What Is Automatic High Beam Control	93
Switching Automatic High Beam Control On and Off	93
Automatic High Beam Control Indicators	94
Overriding Automatic High Beam Control	94

Windows and Mirrors

Power Windows	95
Global Opening and Closing	96
Exterior Mirrors	96
Interior Mirror	98
Sun Visors	99
Sun Shades	99
Moonroof	99

Table of Contents

Instrument Cluster

Gauges	102
Warning Lamps and Indicators	104
Audible Warnings and Indicators	109

Information Displays

General Information	110
Information Messages	121

Climate Control

Automatic Climate Control	141
Hints on Controlling the Interior Climate	143
Heated Rear Window	144
Heated Exterior Mirrors	144
Cabin Air Filter	145
Remote Start	145

Seats

Sitting in the Correct Position	146
Head Restraints	147
Power Seats	148
Memory Function	152

Rear Seats	153
Heated Seats	154
Climate Controlled Seats	155

Garage Door Opener

Universal Garage Door Opener	157
------------------------------------	-----

Auxiliary Power Points

Auxiliary Power Points	163
------------------------------	-----

Storage Compartments

Center Console	165
Overhead Console	165
Rear Seat Armrest	165

Starting and Stopping the Engine

General Information	167
Keyless Starting	167
Starting a Hybrid Electric Vehicle System	168
Engine Block Heater	171

Unique Driving Characteristics

Hybrid Vehicle Operation	173
EcoSelect	175
Hybrid Vehicle Frequently Asked Questions	176

Fuel and Refueling

Safety Precautions	179
Fuel Quality	180
Fuel Filler Funnel Location	181
Running Out of Fuel	181
Refueling	182
Fuel Consumption	185

Engine Emission Control

Emission Law	187
Catalytic Converter	188

High Voltage Battery

General Information	191
High Voltage Shutoff Switch	192

Table of Contents

Transmission

Automatic Transmission	193
------------------------------	-----

Brakes

General Information	198
Hints on Driving With Anti-Lock Brakes	199
Electric Parking Brake	199
Auto Hold	201

Traction Control

Principle of Operation	204
Using Traction Control	204

Stability Control

Principle of Operation	205
Using Stability Control	206

Parking Aids

Principle of Operation	208
Rear Parking Aid	208
Front Parking Aid	210
Side Sensing System	212

Active Park Assist	214
Rear View Camera	222

Cruise Control

What Is Cruise Control	226
Switching Cruise Control On and Off	226
Setting the Cruise Control Speed	226
Canceling the Set Speed	227
Resuming the Set Speed	227
Cruise Control Indicators	227
Using Adaptive Cruise Control	227

Driving Aids

Driver Alert	236
Lane Keeping System	237
Blind Spot Information System	242
Cross Traffic Alert	244
Steering	249
Pre-Collision Assist	250
Drive Control	254

Load Carrying

Load Limit	256
------------------	-----

Towing

Towing a Trailer	261
Towing the Vehicle on Four Wheels	261

Driving Hints

Breaking-In	262
Reduced Engine Performance	262
Economical Driving	262
Driving Through Water	263
Floor Mats	264

Roadside Emergencies

Roadside Assistance	265
Hazard Flashers	266
Fuel Shutoff	266
Jump Starting the Vehicle	267
Collision, Damage or Fire Event	270
Post-Crash Alert System	271
Transporting the Vehicle	272

Customer Assistance

Getting the Services You Need	273
In California (U.S. Only)	274

Table of Contents

The Better Business Bureau (BBB) Auto Line Program (U.S. Only)	275
Utilizing the Mediation/Arbitration Program (Canada Only)	276
Getting Assistance Outside the U.S. and Canada	277
Ordering Additional Owner's Literature	279
Reporting Safety Defects (U.S. Only)	280
Reporting Safety Defects (Canada Only)	280

Fuses

Fuse Specification Chart	282
Changing a Fuse	298

Maintenance

General Information	301
Opening and Closing the Hood	301
Under Hood Overview	302
Engine Oil Dipstick	304
Engine Oil Check	304
Oil Change Indicator Reset	305
Engine Coolant Check	305

Automatic Transmission Fluid Check	310
Brake Fluid Check	311
Washer Fluid Check	312
Fuel Filter	312
Changing the 12V Battery	312
Checking the Wiper Blades	314
Changing the Wiper Blades	314
Adjusting the Headlamps	315
Changing a Bulb	316
Changing the Engine Air Filter	316

Vehicle Care

General Information	318
Cleaning Products	318
Cleaning the Exterior	319
Waxing	320
Cleaning the Engine	321
Cleaning the Windows and Wiper Blades	321
Cleaning the Interior	322
Cleaning the Instrument Panel and Instrument Cluster Lens	324
Cleaning Leather Seats	325

Repairing Minor Paint Damage	325
Cleaning the Wheels	325
Vehicle Storage	326
Body Styling Kits	328

Wheels and Tires

Tire Sealant and Inflator Kit	329
Tire Care	336
Using Summer Tires	350
Using Snow Chains	350
Tire Pressure Monitoring System	351
Technical Specifications	357

Capacities and Specifications

Engine Specifications	359
Motorcraft Parts	360
Vehicle Identification Number	361
Vehicle Certification Label	362
Transmission Code Designation	362
Capacities and Specifications	364
Bulb Specification Chart	372

Table of Contents

Network Connectivity

Connecting the Vehicle to a Mobile Network	375
Network Connectivity – Troubleshooting	376

Wi-Fi Hotspot

Creating a Wi-Fi Hotspot	379
Changing the Wi-Fi Hotspot Name or Password	379

Audio System

General Information	381
Audio Unit	382
Digital Radio	383
Satellite Radio	386
USB Port	389

SYNC™ 3

General Information	390
Using Voice Recognition	392
Entertainment	404
Climate	416

Phone	419
Navigation	421
Electric Vehicle Information	429
Apps	435
Settings	437
SYNC™ 3 Troubleshooting	440

Accessories

Accessories	457
-------------------	-----

Lincoln Protect

Lincoln Protect	459
-----------------------	-----

Scheduled Maintenance

General Maintenance Information	462
Normal Scheduled Maintenance	467
Special Operating Conditions Scheduled Maintenance	469
Scheduled Maintenance Record	471

Appendices

Electromagnetic Compatibility	492
End User License Agreement	497

Declaration of Conformity	527
---------------------------------	-----

Declaration of Conformity - Vehicles With: SYNC 3	528
--	-----

Introduction

ABOUT THIS MANUAL

Thank you for choosing Lincoln. We recommend that you take some time to get to know your vehicle by reading this manual. The more that you know about it, the greater the safety and pleasure you will get from driving it.



WARNING: Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

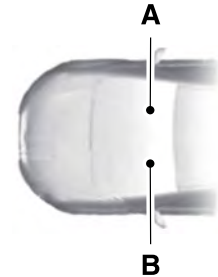
Note: *This manual describes product features and options available throughout the range of available models, sometimes even before they are generally available. It may describe options not fitted to the vehicle you have purchased.*

Note: *Some of the illustrations in this manual may show features as used in different models, so may appear different to you on your vehicle.*

Note: *Always use and operate your vehicle in line with all applicable laws and regulations.*

Note: *Pass on this manual when selling your vehicle. It is an integral part of your vehicle.*

This manual may qualify the location of a component as left-hand side or right-hand side. The side is determined when facing forward in the seat.



E154903

- A Right-hand side.
- B Left-hand side.

SYMBOLS GLOSSARY

These are some of the symbols you may see on your vehicle.



Air conditioning system



Air conditioning system lubricant type

Introduction



Anti-lock braking system



Avoid smoking, flames or sparks



Battery



Battery acid



Brake fluid - non petroleum based



Brake system



Brake system



Cabin air filter



Check fuel cap



Child safety door lock or unlock



Child seat lower anchor



Child seat tether anchor



Cruise control



Do not open when hot



Engine air filter



Engine coolant



Engine coolant temperature



Engine oil



Explosive gas



Fan warning



Fasten seatbelt



Flammable



Front airbag



Front fog lamps



Fuel pump reset



Fuse compartment



Hazard flashers



Heated rear window

Introduction



Windshield defrosting system



Interior luggage compartment release



Jack



Keep out of reach of children



Lighting control



Low tire pressure warning



Maintain correct fluid level



Note operating instructions



Horn control



Panic alarm



Parking aid



Parking brake



Power steering fluid



Power windows front/rear



Power window lockout



Requires registered technician



Safety alert



See Owner's Manual



See Service Manual



Service engine soon



Passenger airbag activated



Passenger airbag deactivated



Side airbag



Shield the eyes



Stability control



Hill descent control



Trail control



Windshield wipping system

Introduction



Windshield wash and wipe

DATA RECORDING



WARNING: Do not connect wireless plug-in devices to the data link connector. Unauthorized third parties could gain access to vehicle data and impair the performance of safety related systems. Only allow repair facilities that follow our service and repair instructions to connect their equipment to the data link connector.

We respect your privacy and are committed to protecting it. The information contained in this publication was correct at the time of going to print but as technology rapidly changes, we recommend that you visit the regional Lincoln website for the latest information.

Your vehicle has electronic control units that have data recording functionality and the ability to permanently or temporarily store data. This data could include information on the condition and status of your vehicle, vehicle maintenance requirements, events and malfunctions. The types of data that can be recorded are described in this section. Some of the data recorded is stored in event logs or error logs.

Note: *Error logs are reset following a service or repair.*

Note: *We may provide information in response to requests from law enforcement, other government authorities and third parties acting with lawful authority or through a legal process. Such information could be used by them in legal proceedings.*

Data recorded includes, for example:

- Operating states of system components, for example, fuel level, tire pressure and battery charge level.
- Vehicle and component status, for example, wheel speed, deceleration, lateral acceleration and seatbelt status.

- Events or errors in essential systems, for example, headlamps and brakes.
- System responses to driving situations, for example, airbag deployment and stability control.
- Environmental conditions, for example, temperature.

Some of this data, when used in combination with other information, for example, an accident report, damage to a vehicle or eyewitness statements, could be associated with a specific person.

Service Data

Service data recorders in your vehicle are capable of collecting and storing diagnostic information about your vehicle. This potentially includes information about the performance or status of various systems and modules in the vehicle, such as engine, throttle, steering or brake systems. In order to properly diagnose and service your vehicle, Lincoln Motor Company (Lincoln of Canada in Canada), and service and repair facilities may access or share among them vehicle diagnostic information received

Introduction

through a direct connection to your vehicle when diagnosing or servicing your vehicle. Additionally, Ford Motor Company (Ford of Canada, in Canada) may, where permitted by law, use vehicle diagnostic information for vehicle improvement or with other information we may have about you, for example, your contact information, to offer you products or services that may interest you. Data may be provided to our service providers such as part suppliers that may help diagnose malfunctions, and who are similarly obligated to protect data. We retain this data only as long as necessary to perform these functions or to comply with law. We may provide information where required in response to official requests to law enforcement or other government authorities or third parties acting with lawful authority or court order, and such information may be used in legal proceedings. For U.S. only (if equipped), if you choose to use connected apps and services, you consent that certain diagnostic information may also be accessed electronically by Ford Motor Company and Lincoln authorized service facilities, and that the diagnostic information may be used to provide services to you,

personalizing your experience, troubleshoot, and to improve products and services and offer you products and services that may interest you, where permitted by law. For Canada only, for more information, please review the Lincoln of Canada privacy policy at www.Lincolncanada.com, including our U.S. data storage and use of service providers in other jurisdictions who may be subject to legal requirements in Canada, the United States and other countries applicable to them, for example, lawful requirements to disclose personal information to governmental authorities in those countries.

Event Data

This vehicle is equipped with an event data recorder. The main purpose of an event data recorder is to record, in certain crash or near crash-like situations, such as an airbag deployment or hitting a road obstacle; this data assist in understanding how a vehicle's systems performed. The event data recorder is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less.

The event data recorder in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating;
- Whether or not the driver and passenger seatbelts were buckled/fastened;
- How far (if at all) the driver was depressing the accelerator and/or the brake pedal; and
- How fast the vehicle was traveling; and
- Where the driver was positioning the steering wheel.

This data can help provide a better understanding of the circumstances in which crashes and injuries occur.

Introduction

Note: *Event data recorder data is recorded by your vehicle only if a non-trivial crash situation occurs; no data is recorded by the event data recorder under normal driving conditions and no personal data or information (e.g., name, gender, age, and crash location) is recorded. However, other parties, such as law enforcement, could combine the event data recorder data with the type of personally identifying data routinely acquired during a crash investigation.*

To read data recorded by an event data recorder, special equipment is required, and access to the vehicle or the event data recorder is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have such special equipment, can read the information if they have access to the vehicle or the event data recorder.

Comfort, Convenience and Entertainment Data

Your vehicle has electronic control units that have the ability to store data based on your personalized settings. The data is stored locally in the vehicle or on devices that you connect to it, for example, a USB drive or digital music player. You can delete some of this data and also choose whether to share it through the services to which you subscribe. See **Settings** (page 437).

Comfort and Convenience Data

Data recorded includes, for example:

- Seat and steering wheel position.
- Climate control settings.
- Radio presets.

Entertainment Data

Data recorded includes, for example:

- Music, videos or album art.
- Contacts and corresponding address book entries.
- Navigation destinations.

Services That We Provide

If you use our services, we collect and use data, for example, account information, vehicle location and driving characteristics, that could identify you. We transmit this data through a dedicated, protected connection. We only collect and use data to enable your use of our services to which you have subscribed, with your consent or where permitted by law. For additional information, see the terms and conditions of the services to which you have subscribed.

Services That Third Parties Provide

We recommend that you review the terms and conditions and data privacy information for any services to which you subscribe. We take no responsibility for services that third parties provide.

Introduction

Vehicles With a Modem (If Equipped)



The modem has a SIM. The modem was enabled when your vehicle was built and periodically sends messages to stay connected to the cell phone network, receive automatic software updates and send vehicle-related information to us, for example, diagnostic information. These messages could include information that identifies your vehicle, the SIM and the electronic serial number of the modem. Cell phone network service providers could have access to additional information, for example, cell phone network tower identification. For additional information about our privacy policy, visit www.ConnectedLincoln.com or refer to your local Lincoln website.

Note: *The modem continues to send this information unless you disable the modem or stop the modem from sharing vehicle data by changing the modem settings. See **SYNC™ 3** (page 390).*

Note: *The service can be unavailable or interrupted for a number of reasons, for example, environmental or topographical conditions and data plan coverage.*

Note: *To find out if your vehicle has a modem, visit www.ConnectedLincoln.com.*

Vehicles With SYNC

Mobile Device Data

If you connect a mobile device to your vehicle, you can display data from your device on the touchscreen for example, music and album art. You can share your vehicle data with mobile apps on your device through the system. See **Apps** (page 435).

The mobile apps function operates by your connected device sending data to us in the United States. The data is encrypted and includes the vehicle identification number of your vehicle, the SYNC module serial number, odometer, enabled apps, usage statistics and debugging information. We

retain it only as long as necessary to provide the service, to troubleshoot, for continuous improvement and to offer you products and services that may be of interest to you according to your preferences and where allowed by law.

If you connect a cell phone to the system, the system creates a profile that links to that cell phone. The cell phone profile enables more mobile features and efficient operation. The profile contains, for example, data from your phonebook, read and unread text messages and call history, including history of calls when your cell phone was not connected to the system.

If you connect a media device, the system creates and retains a media device index of supported media content. The system also records a short diagnostic log of approximately 10 minutes of all recent system activity.

Introduction

The cell phone profile, media device index and diagnostic log remain in your vehicle unless you delete them and are generally accessible only in your vehicle when you connect your cell phone or media device. If you no longer plan to use the system or your vehicle, we recommend you use the master reset function to erase the stored information. See **Settings** (page 437).

System data cannot be accessed without special equipment and access to your vehicle's module.

For additional information about our privacy policy, refer to your local Lincoln website.

Note: *To find out if your vehicle has a connectivity technology, visit www.ConnectedLincoln.com.*

Vehicles With an Emergency Call System

When the emergency call system is active, it may disclose to emergency services that your vehicle has been in a crash involving the deployment of an airbag or activation of the fuel pump shut-off. Certain versions or updates to the emergency call system may

also be capable of electronically or verbally disclosing to emergency services operators your vehicle location or other details about your vehicle or crash to assist emergency services operators to provide the most appropriate emergency services. If you do not want to disclose this information, do not activate the emergency call system.

Note: *You cannot deactivate emergency call systems that are required by law.*

PERCHLORATE

Certain components in your vehicle such as airbag modules, seatbelt pretensioners and remote control batteries may contain perchlorate material. Special handling may apply for service or vehicle end of life disposal.

For more information visit:

Web Address
www.dtsc.ca.gov/hazard-ouswaste/perchlorate

LINCOLN AUTOMOTIVE FINANCIAL SERVICES

Lincoln Automotive Financial Services offers a full range of financing and lease plans to help you acquire your vehicle. We are dedicated to providing answers, information and a truly extraordinary experience.

Use the options below to contact us with questions about your account or financing and we will respond promptly:

Web Address
www.credit.lincoln.com

Phone: 1-888-498-8801

Mail: Lincoln Automotive Financial Services

Introduction

P.O. Box 542000
Omaha, NE 68154-8000

REPLACEMENT PARTS RECOMMENDATION

We have built your vehicle to the highest standards using quality parts. We recommend that you demand the use of genuine Ford and Motorcraft parts whenever your vehicle requires scheduled maintenance or repair. You can clearly identify genuine Ford and Motorcraft parts by looking for the Ford, FoMoCo or Motorcraft branding on the parts or their packaging.

Scheduled Maintenance and Mechanical Repairs

One of the best ways for you to make sure that your vehicle provides years of service is to have it maintained in line with our recommendations using parts that conform to the specifications detailed in this Owner's Manual. Genuine Ford and Motorcraft parts meet or exceed these specifications.

Collision Repairs

We hope that you never experience a collision, but accidents do happen. Genuine Ford replacement collision parts meet our stringent requirements for fit, finish, structural integrity, corrosion protection and dent resistance. During vehicle development we validate that these parts deliver the intended level of protection as a whole system. A great way to know for sure you are getting this level of protection is to use genuine Ford replacement collision parts.

Warranty on Replacement Parts

Genuine Ford and Motorcraft replacement parts are the only replacement parts that benefit from a Lincoln Warranty. Damage caused to your vehicle as a result of the failure of non-Ford parts may not be covered by the Lincoln Warranty. For additional information, refer to the terms and conditions of the Lincoln Warranty.

SPECIAL NOTICES

New Vehicle Limited Warranty

Vehicles sold in the United States and Canada

For a detailed description of what is covered by your New Vehicle Limited Warranty, see your warranty guide that is available online. For more information, refer to our website and download your copy of the warranty guide.

Vehicles sold outside the United States and Canada

For a detailed description of what is covered by your New Vehicle Limited Warranty, see the warranty guide that is provided to you along with your Owner's Manual.

Special Instructions

For your added safety, your vehicle is fitted with sophisticated electronic controls.

Introduction



WARNING: You risk death or serious injury to yourself and others if you do not follow the instruction highlighted by the warning symbol. Failure to follow the specific warnings and instructions could result in personal injury.



WARNING: NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

On Board Diagnostics Data Link Connector



WARNING: Do not connect wireless plug-in devices to the data link connector. Unauthorized third parties could gain access to vehicle data and impair the performance of safety related systems. Only allow repair facilities that follow our service and repair instructions to connect their equipment to the data link connector.

Your vehicle has an OBD Data Link Connector (DLC) that is used in conjunction with a diagnostic scan tool for vehicle diagnostics, repairs and reprogramming services. Installing an aftermarket device that uses the DLC during normal driving for purposes such as remote insurance company monitoring, transmission of vehicle data to other devices or entities, or altering the performance of the vehicle, may cause interference with or even damage to vehicle systems. We do not recommend or endorse the use of aftermarket plug-in devices unless approved by Ford. The vehicle Warranty will not cover damage caused by an aftermarket plug-in device.

MOBILE COMMUNICATIONS EQUIPMENT



WARNING: Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

Using mobile communications equipment is becoming increasingly important in the conduct of business and personal affairs. However, you must not compromise your own or others' safety when using such equipment. Mobile communications can enhance personal safety and security when appropriately used, particularly in emergency situations. Safety must be paramount when

Introduction

using mobile communications equipment to avoid negating these benefits. Mobile communication equipment includes, but is not limited to, cellular phones, pagers, portable email devices, text messaging devices and portable two-way radios.

EXPORT UNIQUE OPTIONS

For your particular global region, your vehicle may be equipped with features and options that are different from the features and options that are described in this Owner's Manual. A market unique supplement may be supplied that complements this book. By referring to the market unique supplement, if provided, you can properly identify those features, recommendations and specifications that are unique to your vehicle. This Owner's Manual is written primarily for the U.S. and Canadian Markets. Features or equipment listed as standard may be different on units built for export. **Refer to this Owner's Manual for all other required information and warnings.**

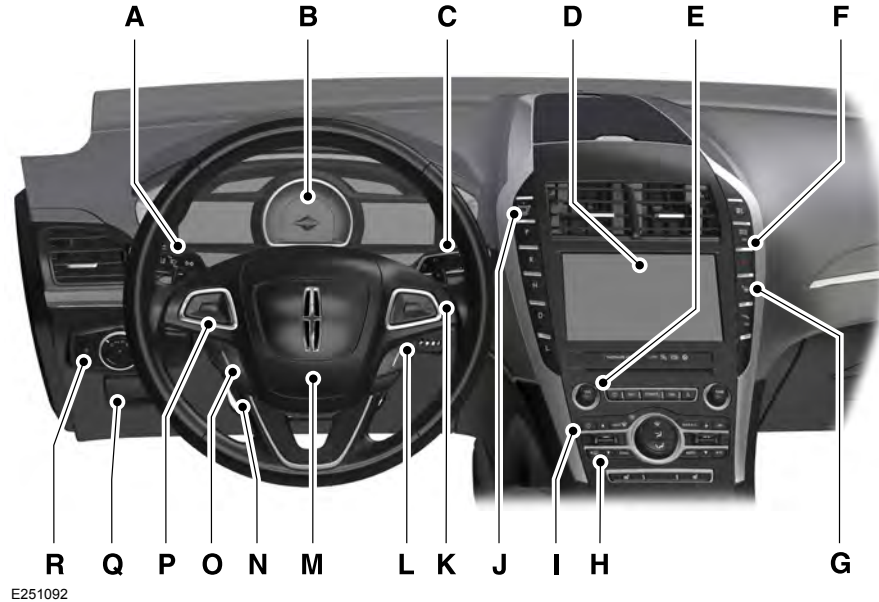
PROTECTING THE ENVIRONMENT

You should play your part in protecting the environment. Correct vehicle usage and the authorized disposal of waste, cleaning and lubrication materials are significant steps toward this aim.

For additional information about our sustainability progress and initiatives, visit www.sustainability.ford.com.

At a Glance

INSTRUMENT PANEL



At a Glance

- A Direction indicators. See **Direction Indicators** (page 90).
- B Instrument cluster. See **Gauges** (page 102). See **Warning Lamps and Indicators** (page 104).
- C Wiper lever. See **Wipers and Washers** (page 84).
- D Information and entertainment display.
- E Audio unit. See **Audio Unit** (page 382).
- F Hazard warning flasher switch. See **Hazard Flashers** (page 266).
- G Parking aid switch. See **Parking Aids** (page 208).
- H Heated rear window switch. See **Heated Rear Window** (page 144).
- I Climate controls. See **Climate Control** (page 141).
- J Start button. See **Keyless Entry** (page 73).
- K Entertainment, navigation and phone.
- L Voice control. See **Voice Control** (page 82).
- M Horn.
- N Steering wheel adjustment. See **Adjusting the Steering Wheel** (page 80).
- O Cruise control switches. See **What Is Cruise Control** (page 226).
- P Information display controls. See **Information Displays** (page 110).
- Q Parking brake. See **Electric Parking Brake** (page 199).
- R Lighting control. See **Lighting Control** (page 87). Instrument lighting dimmer. See **Instrument Lighting Dimmer** (page 89).

Child Safety

GENERAL INFORMATION

See the following sections for directions on how to properly use safety restraints for children.



WARNING: Always make sure your child is secured properly in a device that is appropriate for their height, age and weight. Child safety restraints must be bought separately from your vehicle. Failure to follow these instructions and guidelines may result in an increased risk of serious injury or death to your child.



WARNING: All children are shaped differently. The National Highway Traffic Safety Administration and other safety organizations, base their recommendations for child restraints on probable child height, age and weight thresholds, or on the minimum requirements of the law. We recommend that you check with a NHTSA Certified Child Passenger Safety Technician (CPST) to make sure that you properly install the child restraint in your vehicle and that you consult your pediatrician to make sure you have a child restraint appropriate for your child. To locate a child restraint fitting station and CPST, contact NHTSA toll free at

1-888-327-4236 or go to www.nhtsa.dot.gov. In Canada, contact Transport Canada toll free at 1-800-333-0371 or go to www.tc.gc.ca to find a Child Car Seat Clinic in your area. Failure to properly restrain children in child restraints made especially for their height, age and weight, may result in an increased risk of serious injury or death to your child.



WARNING: On hot days, the temperature inside the vehicle can rise very quickly. Exposure of people or animals to these high temperatures for even a short time can cause death or serious heat related injuries, including brain damage. Small children are particularly at risk.

Child Safety

Recommendations for Safety Restraints for Children

Child	Child Size, Height, Weight, or Age	Recommended Restraint Type
Infants or toddlers	Children weighing 40 lb (18 kg) or less (generally age four or younger).	Use a child restraint (sometimes called an infant carrier, convertible seat, or toddler seat).
Small children	Children who have outgrown or no longer properly fit in a child restraint (generally children who are less than 57 in (1.45 m) tall, are greater than age four and less than age 12, and between 40 lb (18 kg) and 80 lb (36 kg) and upward to 100 lb (45 kg) if recommended by your child restraint manufacturer).	Use a belt-positioning booster seat.
Larger children	Children who have outgrown or no longer properly fit in a belt-positioning booster seat (generally children who are at least 57 in (1.45 m) tall or greater than 80 lb (36 kg) or 100 lb (45 kg) if recommended by child restraint manufacturer).	Use a vehicle seatbelt having the lap belt snug and low across the hips, shoulder belt centered across the shoulder and chest, and seat backrest upright.

Child Safety

- You are required by law to properly use child restraints for infants and toddlers in the United States and Canada.
- Many states and provinces require that small children use approved booster seats until they reach age eight, a height of 57 in (1.45 m) tall, or 80 lb (36 kg). Check your local and state or provincial laws for specific requirements about the safety of children in your vehicle.
- When possible, properly restrain children 12 years of age and under in a rear seating position of your vehicle. Accident statistics suggest that children are safer when properly restrained in the rear seating positions than in a front seating position. See **Front Passenger Sensing System** (page 48).
- When installing a rear facing child restraint, adjust the vehicle seats to avoid interference between the child restraint and the vehicle seat in front of the child restraint.

INSTALLING CHILD RESTRAINTS

Child Seats



E142594

Use a child restraint (sometimes called an infant carrier, convertible seat, or toddler seat) for infants, toddlers, or children weighing 40 lb (18 kg) or less (generally age four or younger).

Using Lap and Shoulder Belts



WARNING: Do not place a rearward facing child restraint in front of an active airbag. Failure to follow this instruction could result in personal injury or death.



WARNING: Properly secure children 12 years old and under in a rear seating position whenever possible. If you are unable to properly secure all children in a rear seating position, properly secure the largest child on the front seat. If you must use a forward facing child restraint on the front seat, move the seat as far back as possible. Failure to follow these instructions could result in personal injury or death.

Child Safety



WARNING: Depending on where you secure a child restraint, and depending on the child restraint design, you may block access to certain seatbelt buckle assemblies and LATCH lower anchors, rendering those features potentially unusable. To avoid risk of injury, make sure occupants only use seating positions where they are able to be properly restrained.

When installing a child restraint with combination lap and shoulder belts:

- Use the correct seatbelt buckle for that seating position.
- Insert the belt tongue into the proper buckle until you hear a snap and feel it latch. Make sure that you securely fasten the tongue in the buckle.
- Keep the buckle release button pointing up and away from the child restraint, with the tongue between the child restraint and the release button, to prevent accidental unbuckling.

- Place the vehicle seat in the upright position before you install the child restraint.
- Put the seatbelt in the automatic locking mode. See Step 5. This vehicle does not require the use of a locking clip.

Perform the following steps when installing the child restraint with combination lap and shoulder belts:

Note: *Although the child restraint illustrated is a forward facing child restraint, the steps are the same for installing a rear facing child restraint.*



E142528

1. Position the child restraint in a seat with a combination lap and shoulder belt.



E142529

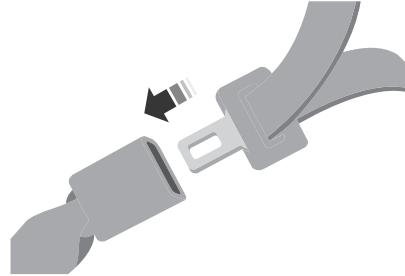
2. Pull down on the shoulder belt and then grasp the shoulder belt and lap belt together.

Child Safety



E142530

3. While holding the shoulder and lap belt portions together, route the tongue through the child restraint according to the child restraint manufacturer's instructions. Make sure that you did not twist the belt webbing.



E142531

4. Insert the belt tongue into the proper buckle (the buckle closest to the direction the tongue is coming from) for that seating position until you hear a snap and feel the latch engage. Make sure that you securely latched the tongue by pulling on it.



E142875

5. To put the retractor in the automatic locking mode, grasp the shoulder portion of the belt and pull downward until you pull all of the belt out.

Note: The automatic locking mode is available on the front passenger and rear seats. This vehicle does not require the use of a locking clip.

6. Allow the belt to retract to remove slack. The belt clicks as it retracts to indicate it is in the automatic locking mode.

Child Safety

7. Try to pull the belt out of the retractor to make sure the retractor is in the automatic locking mode. You should not be able to pull more belt out. If the retractor is not locked, unbuckle the belt and repeat Steps 5 and 6.

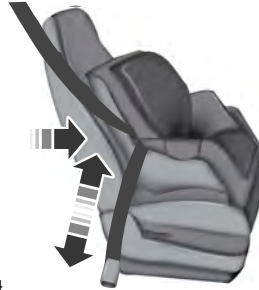


E142533

8. Remove remaining slack from the belt. Force the seat down with extra weight, for example, by kneeling on the child restraint while pulling up on the shoulder belt in order to force slack from the belt. This is necessary to remove the remaining slack that exists once you add the extra weight

of the child to the child restraint. It also helps to achieve the proper snugness of the child restraint to your vehicle. Sometimes, a slight lean toward the buckle will additionally help to remove remaining slack from the belt.

9. If the child restraint has a tether strap, attach it.



E142534

10. Before placing the child in the seat, forcibly move the seat forward and back to make sure the seat is securely held in place. To check this, grab the seat at the belt path and attempt to move it side to side and forward and back. There should be no more than 1 in (2.5 cm) of movement for proper installation.

We recommend checking with a NHTSA Certified Child Passenger Safety Technician to make certain the child restraint is properly installed. In Canada, check with your local St. John Ambulance office for referral to a Certified Passenger Seat Technician.

Using Lower Anchors and Tethers for Children (LATCH)



WARNING: Do not attach two child safety restraints to the same anchor. In a crash, one anchor may not be strong enough to hold two child safety restraint attachments and may break, causing serious injury or death.

Child Safety

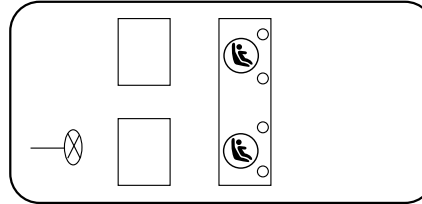


WARNING: Depending on where you secure a child restraint, and depending on the child restraint design, you may block access to certain seatbelt buckle assemblies and LATCH lower anchors, rendering those features potentially unusable. To avoid risk of injury, make sure occupants only use seating positions where they are able to be properly restrained.

The LATCH system has three vehicle anchor points: two lower anchors where the seat backrest and seat cushion meet (called the seat bight) and one top tether anchor behind that seating position.

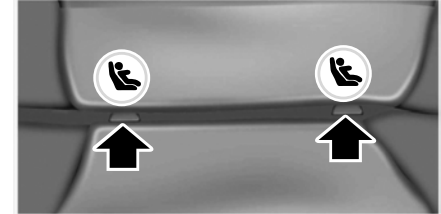
LATCH compatible child restraints have two rigid or webbing mounted attachments that connect to the two lower anchors at the LATCH equipped seating positions in your vehicle. This type of attachment method eliminates the need to use seatbelts to attach

the child restraint. However, you can still use the seatbelt to attach the child restraint. For forward-facing child restraints, you must attach the top tether strap to the proper top tether anchor, if a top tether strap has been provided with your child restraint.



E142535

Your vehicle has LATCH lower anchors for child restraint installation at the seating positions marked with the child restraint symbol.



E169083

The LATCH anchors are at the rear section of the rear seat between the cushion and seat backrest below the symbols as shown. Follow the child restraint manufacturer's instructions to properly install a child restraint with LATCH attachments. Follow the instructions on attaching child restraints with tether straps.

Attach LATCH lower attachments of the child restraint only to the anchors shown.

Child Safety

Use of Inboard Lower Anchors from the Outermost Seating Positions (Center Seating Use)



WARNING: The standardized spacing for LATCH lower anchors is 11 in (280 mm) center to center. Do not use LATCH lower anchors for the center seating position unless the child restraint manufacturer's instructions permit and specify using anchors spaced at least as far apart as those in this vehicle.

The lower anchors at the center of the second row rear seat are spaced 18 in (46 cm) apart. You cannot install a child restraint with rigid LATCH attachments at the center seating position. LATCH compatible child restraints (with attachments on belt webbing) can only be used at this seating position provided that the child restraint manufacturer's instructions permit use with the anchor spacing stated. Do not attach a child restraint to any lower anchor if an adjacent child restraint is attached to that anchor.

Each time you use the child restraint, check that the seat is properly attached to the lower anchors and tether anchor, if applicable. Tug the child restraint from side to side and forward and back where it is secured to your vehicle. The seat should move less than 1 in (2.5 cm) when you do this for a proper installation.

If the child restraint is not anchored properly, the risk of a child being injured in a crash greatly increases.

Combining Seatbelt and LATCH Lower Anchors for Attaching Child Restraints

When used in combination, either the seatbelt or the LATCH lower anchors may be attached first, provided a proper installation is achieved. Attach the tether strap afterward, if included with the child restraint.

Using Tether Straps



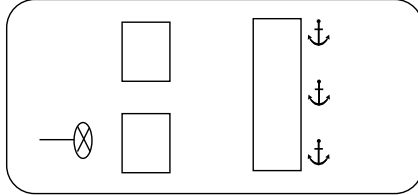
Many forward-facing child restraints include a tether strap which extends from the back of the child restraint and hooks to an anchoring point called the top tether anchor. Tether straps are available as an accessory for many older child restraints.

Contact the manufacturer of your child restraint for information about ordering a tether strap, or to obtain a longer tether strap if the tether strap on your child restraint does not reach the appropriate top tether anchor in your vehicle.

Once you install the child restraint using either the seatbelt, the lower anchors of the LATCH system, or both, you can attach the top tether strap.

The tether strap anchors in your vehicle are in the following positions (shown from top view):

Child Safety



E142537

Perform the following steps to install a child restraint with tether anchors:

Note: If you install a child restraint with rigid LATCH attachments, do not tighten the tether strap enough to lift the child restraint off your vehicle seat cushion when the child is seated in it. Keep the tether strap just snug without lifting the front of the child restraint. Keeping the child restraint just touching your vehicle seat gives the best protection in a severe crash.

1. Route the child restraint tether strap over the back of the seat. For the outermost seating positions, route the tether strap under the head restraint and between the head restraint posts. For the center seating position, route the tether strap over the top of the head restraint. If needed, you can also remove the head restraints.



E144274

2. Locate the correct anchor for the selected seating position, then open the tether anchor cover.



E144275

3. Clip the tether strap to the anchor as shown.
4. Tighten the child restraint tether strap according to the manufacturer's instructions. If your child restraint system has a tether strap, and the child restraint manufacturer recommends its use, we also recommend its use.

Child Safety

BOOSTER SEATS



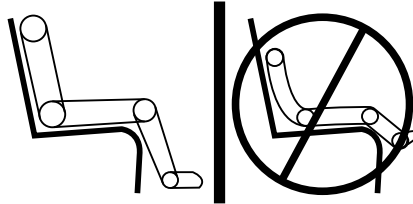
WARNING: Do not put the shoulder section of the seatbelt or allow the child to put the shoulder section of the seatbelt under their arm or behind their back. Failure to follow this instruction could reduce the effectiveness of the seatbelt and increase the risk of injury or death in a crash.

Note: Some booster seat seatbelt guides may not accommodate the shoulder portion of the inflatable seatbelt.

Use a belt-positioning booster seat for children who have outgrown or no longer properly fit in a child safety seat (generally children who are less than 57 in (1.45 m) tall, are greater than age four (4) and less than age twelve (12), and between 40 lb (18 kg) and 80 lb (36 kg) and upward to 100 lb

(45 kg) if recommended by your child restraint manufacturer). Many state and provincial laws require that children use approved booster seats until they reach age eight, a height of 57 in (1.45 m) tall, or 80 lb (36 kg).

Booster seats should be used until you can answer YES to ALL of these questions when seated without a booster seat:



E142595

- Can the child sit all the way back against their vehicle seat backrest with knees bent comfortably at the edge of the seat cushion?
- Can the child sit without slouching?

- Does the lap belt rest low across the hips?
- Is the shoulder belt centered on the shoulder and chest?
- Can the child stay seated like this for the whole trip?

Always use booster seats in conjunction with your vehicle lap and shoulder belt.

Types of Booster Seats



E68924

- Backless booster seats

Child Safety

If your backless booster seat has a removable shield, remove the shield. If a vehicle seating position has a low seat backrest or no head restraint, a backless booster seat may place your child's head (as measured at the tops of the ears) above the top of the seat. In this case, move the backless booster to another seating position with a higher seat backrest or head restraint and lap and shoulder belts, or consider using a high back booster seat.



E70710

- High back booster seats

If, with a backless booster seat, you cannot find a seating position that adequately supports your child's head, a high back booster seat would be a better choice.

Children and booster seats vary in size and shape. Choose a booster that keeps the lap belt low and snug across the hips, never up across the stomach, and lets you adjust the shoulder belt to cross the chest and rest snugly near the center of the shoulder. The following drawings compare the ideal fit (center) to a shoulder belt uncomfortably close to the neck and a shoulder belt that could slip off the shoulder. The drawings also show how the lap belt should be low and snug across the child's hips.

Child Safety



E142596



E142597

Child Safety

If the booster seat slides on the vehicle seat upon which it is being used, placing a rubberized mesh sold as shelf or carpet liner under the booster seat may improve this condition. Do not introduce any item thicker than this under the booster seat. Check with the booster seat manufacturer's instructions.

CHILD RESTRAINT POSITIONING



WARNING: Do not place a rearward facing child restraint in front of an active airbag. Failure to follow this instruction could result in personal injury or death.



WARNING: Properly secure children 12 years old and under in a rear seating position whenever possible. If you are unable to properly secure all children in a rear seating position, properly secure the largest child on the front seat. If you must use a forward facing child restraint on the front seat, move the seat as far back as possible. Failure to follow these instructions could result in personal injury or death.



WARNING: Always carefully follow the instructions and warnings provided by the manufacturer of any child restraint to determine if the restraint device is appropriate for your child's size, height, weight, or age. Follow the child restraint manufacturer's instructions and warnings provided for installation and use in conjunction with the instructions and warnings provided by your vehicle

manufacturer. A safety seat that is improperly installed or utilized, is inappropriate for your child's height, age, or weight or does not properly fit the child may increase the risk of serious injury or death.



WARNING: Do not allow a passenger to hold a child on their lap when your vehicle is moving. Failure to follow this instruction could result in personal injury or death in the event of a sudden stop or crash.



WARNING: Do not use pillows, books or towels to boost your child's height. Failure to follow this instruction could result in personal injury or death.



WARNING: Properly secure child restraints or booster seats when they are not in use. They could become projectiles in a sudden stop or crash. Failure to follow this instruction could result in personal injury or death.

Child Safety



WARNING: Do not put the shoulder section of the seatbelt or allow the child to put the shoulder section of the seatbelt under their arm or behind their back.

Failure to follow this instruction could reduce the effectiveness of the seatbelt and increase the risk of injury or death in a crash.



WARNING: Do not leave children or pets unattended in your vehicle. Failure to follow this instruction could result in personal injury or death.

Recommendations for Attaching Child Safety Restraints for Children

Restraint Type	Combined Weight of Child and Child Restraint	Use Any Attachment Method as Indicated Below by X				
		LATCH (Lower Anchors and Top Tether Anchor)	LATCH (Lower Anchors Only)	Seatbelt and Top Tether Anchor	Seatbelt and LATCH (Lower Anchors and Top Tether Anchor)	Seatbelt Only
Rear facing child restraint	Up to 65 lb (29.5 kg)		X			X
Rear facing child restraint	Over 65 lb (29.5 kg)					X
Forward facing child restraint	Up to 65 lb (29.5 kg)	X		X	X	
Forward facing child restraint	Over 65 lb (29.5 kg)			X	X	

Child Safety

Note: The child restraint must rest tightly against the vehicle seat upon which it is installed. It may be necessary to lift or remove the head restraint. See **Seats** (page 146).

CHILD SAFETY LOCKS

When these locks are set, the rear doors cannot be opened from the inside.



E112197

The childproof locks are located on the rear edge of each rear door and must be set separately for each door.

Left-Hand Side


Turn counterclockwise to lock and clockwise to unlock.


Right-Hand Side


Turn clockwise to lock and counterclockwise to unlock.


Seatbelts


PRINCIPLE OF OPERATION


 **WARNING:** Always drive and ride with your seatback upright and the lap belt snug and low across the hips.


 **WARNING:** Children must always be properly restrained.


 **WARNING:** Do not allow a passenger to hold a child on their lap when your vehicle is moving. Failure to follow this instruction could result in personal injury or death in the event of a sudden stop or crash.


 **WARNING:** All occupants of your vehicle, including the driver, should always properly wear their seatbelts, even when an airbag supplemental restraint system is provided. Failure to properly wear your seatbelt could seriously increase the risk of injury or death.

 **WARNING:** It is extremely dangerous to ride in a cargo area, inside or outside of a vehicle. In a crash, people riding in these areas are more likely to be seriously injured or killed. Do not allow people to ride in any area of your vehicle that is not equipped with seats and seatbelts. Make sure everyone in your vehicle is in a seat and properly using a seatbelt. Failure to follow this warning could result in serious personal injury or death.

 **WARNING:** In a rollover crash, an unbelted person is significantly more likely to die than a person wearing a seatbelt.

 **WARNING:** Each seating position in your vehicle has a specific seatbelt assembly made up of one buckle and one tongue designed to be used as a pair. Use the shoulder belt on the outside shoulder only. Never wear the shoulder belt under the arm. Never use a single seatbelt for more than one person.

 **WARNING:** Even with advanced restraints systems, properly restrain children 12 and under in a rear seating position. Failure to follow this could seriously increase the risk of injury or death.

 **WARNING:** Seatbelts and seats may be hot in a vehicle that is in the sunshine. The hot seatbelts or seats may burn a small child. Check seat covers and buckles before you place a child anywhere near them.

All seating positions in your vehicle have lap and shoulder seatbelts. All occupants of the vehicle should always properly wear their seatbelts, even when an airbag supplemental restraint system is provided.

The seatbelt system consists of:

- Lap and shoulder seatbelts.
- Shoulder seatbelt with automatic locking mode, (except driver seatbelt).
- Height adjuster at the front outermost seating positions.

Seatbelts

- Seatbelt pretensioners at the front outermost and second row outermost seating positions.
- Belt tension sensor at the front outermost passenger seating position.



- Seatbelt warning light and chime.



- Crash sensors and monitoring system with readiness indicator.

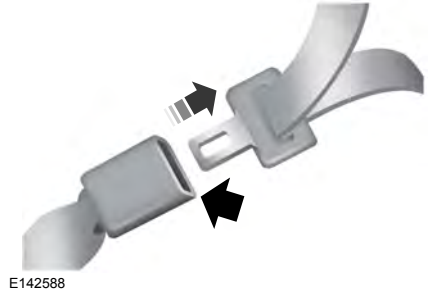
The seatbelt pretensioners are designed to tighten the seatbelts when activated. In frontal and near-frontal crashes, the seatbelt pretensioners may be activated alone or, if the crash is of sufficient severity, together with the front airbags. The pretensioners may also activate when a Safety Canopy airbag deploys.

FASTENING THE SEATBELTS

The front outboard and rear safety restraints in the vehicle are combination lap and shoulder belts.



1. Insert the belt tongue into the proper buckle (the buckle closest to the direction the tongue is coming from) until you hear a snap and feel it latch. Make sure that you securely fasten the tongue in the buckle.



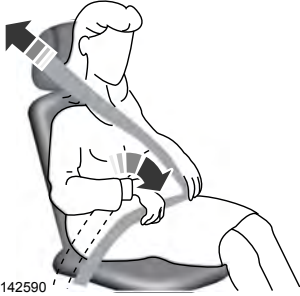
2. To unfasten, press the release button and remove the tongue from the buckle.

Using Seatbelts During Pregnancy



WARNING: Always ride and drive with your seatback upright and properly fasten your seatbelt. Fit the lap portion of the seatbelt snugly and low across the hips. Position the shoulder portion of the seatbelt across your chest. Pregnant women must follow this practice. See the following figure.

Seatbelts



Pregnant women should always wear their seatbelt. Position the lap belt portion of a combination lap and shoulder belt low across the hips below the belly and worn as tight as comfort allows. Position the shoulder belt to cross the middle of the shoulder and the center of the chest.

Seatbelt Locking Modes



WARNING: If your vehicle is involved in a crash, have the seatbelts and associated components inspected as soon as possible. Failure to follow this instruction could result in personal injury or death.

All safety restraints in the vehicle are combination lap and shoulder belts. The driver seatbelt has the first type of locking mode, and the front outboard passenger and rear seat seatbelts have both types of locking modes described as follows:

Vehicle Sensitive Mode

This is the normal retractor mode, which allows free shoulder belt length adjustment to your movements and locking in response to vehicle movement. For example, if the driver brakes suddenly or turns a corner sharply, or the vehicle receives an impact of about 5 mph (8 km/h) or more, the combination seatbelts lock to help reduce forward movement of the driver and passengers.

In addition, the design of the retractor is to lock if you pull the webbing out too quickly. If the seatbelt retractor locks, slowly lower the height adjuster to allow the seatbelt to retract. If the retractor does not unlock, pull the seatbelt out slowly then feed a small

length of webbing back toward the stowed position. For rear seatbelts, recline the rear seat backrest or push the seat backrest cushion away from the seatbelt. Feed a small length of webbing back toward the stowed position.

Automatic Locking Mode

In this mode, the shoulder belt automatically pre-locks. The belt retracts to remove any slack in the shoulder belt. The automatic locking mode is not available on the driver seatbelt.

When to Use the Automatic Locking Mode

Use this mode any time you install a child safety seat, except a booster, in passenger front or rear seating positions. Properly restrain children 12 years old and under in a rear seating position whenever possible. See **Child Safety** (page 21).

Seatbelts

How to Use the Automatic Locking Mode



E142591

1. Buckle the combination lap and shoulder belt.
2. Grasp the shoulder portion and pull downward until you pull the entire belt out. Allow the belt to retract. As the belt retracts, you will hear a clicking sound. This indicates the seatbelt is now in the automatic locking mode.

How to Disengage the Automatic Locking Mode

Unbuckle the combination lap and shoulder belt and allow it to retract completely to disengage the automatic locking mode and turn on the vehicle sensitive (emergency) locking mode.

SEATBELT HEIGHT ADJUSTMENT



WARNING: Position the safety belt height adjusters so that the belt rests across the middle of your shoulder. Failure to adjust the safety belt properly could reduce the effectiveness of the safety belt and increase the risk of injury in a crash.

Adjust the height of the shoulder belt so the belt rests across the middle of your shoulder.



E146191

To adjust the shoulder belt height:

1. Press the button and slide the height adjuster up or down.
2. Release the button and pull down on the height adjuster to make sure it is locked in place.

Seatbelts

SEATBELT WARNING LAMP AND INDICATOR CHIME



This lamp illuminates and an indicator chime will sound if the driver seatbelt has not been fastened when the vehicle's ignition is turned on.

Conditions of operation

If	Then
The driver seatbelt is not buckled before the ignition switch is turned to the on position...	The seatbelt warning lamp illuminates and the indicator chime sounds for a few seconds.
The driver seatbelt is buckled while the warning lamp is illuminated and the indicator chime is sounding...	The seatbelt warning lamp and indicator chime turn off.
The driver seatbelt is buckled before the ignition switch is turned to the on position...	The seatbelt warning lamp and indicator chime remain off.

Seatbelts

SEATBELT REMINDER

Belt-Minder™

This feature supplements the safety belt warning function by providing additional reminders that intermittently sound a tone and illuminate the safety belt warning light when you are in the driver seat or you have a front seat passenger and a safety belt is

unbuckled.

The system uses information from the front passenger sensing system to determine if a front seat passenger is present and therefore potentially in need of a warning. To avoid activating the Belt-Minder feature for objects you place in the front passenger seat, only the front seat passengers receive warnings as determined by the front passenger sensing system.

If the Belt-Minder warnings expire (warnings for about five minutes) for one passenger (driver or front passenger), the other passenger can still cause the Belt-Minder feature to turn on.

If...	Then...
You and the front seat passenger buckle your safety belts before you switch the ignition on or less than 1-2 minutes elapse after you switch the ignition on...	The Belt-Minder feature will not activate.
You or the front seat passenger do not buckle your safety belts before your vehicle reaches at least 6 mph (9.7 km/h) and 1-2 minutes elapse after you switch the ignition on...	The Belt-Minder feature activates, the safety belt warning light illuminates and a warning tone sounds for 6 seconds every 25 seconds, repeating for about 5 minutes or until you and the front seat passenger buckle your safety belts.
The safety belt for the driver or front passenger is unbuckled for about 1 minute while the vehicle is traveling at least 6 mph (9.7 km/h) and more than 1-2 minutes elapse after you switch the ignition on...	The Belt-Minder feature activates, the safety belt warning light illuminates and a warning tone sounds for 6 seconds every 25 seconds, repeating for about 5 minutes or until you and the front seat passenger buckle your safety belts.

Seatbelts

Deactivating and Activating the Belt-Minder Feature



WARNING: While the system allows you to deactivate it, this system is designed to improve your chances of being safely belted and surviving an accident. We recommend you leave the system activated for yourself and others who may use the vehicle.

Note: *The driver and front passenger warnings switch on and off independently. When you perform this procedure for one seating position, do not buckle the other position as this will terminate the process.*

Read Steps 1 - 4 thoroughly before proceeding with the programming procedure.

Before following the procedure, make sure that:

- The parking brake is set.
- The transmission is in park (P) or neutral (N).

- The ignition is off.
 - The driver and front passenger safety belts are unbuckled.
1. Switch the ignition on. Do not start the vehicle.
 2. Wait until the safety belt warning light turns off (about one minute). After Step 2, wait an additional 5 seconds before proceeding with Step 3. Once you start Step 3, you must complete the procedure within 30 seconds.
 3. For the seating position you are switching off, buckle then unbuckle the safety belt three times at a moderate speed, ending in the unbuckled state. After Step 3, the safety belt warning light turns on.
 4. While the safety belt warning light is on, buckle and then unbuckle the safety belt. After Step 4, the safety belt warning light flashes for confirmation.
- This will switch the feature off for that seating position if it is currently on.
 - This will switch the feature on for that seating position if it is currently off.

CHILD RESTRAINT AND SEATBELT MAINTENANCE

Inspect the vehicle seatbelts and child restraint systems periodically to make sure they work properly and are not damaged. Inspect the vehicle seatbelts to make sure there are no nicks, tears or cuts. Replace if necessary. All vehicle seatbelt assemblies, including retractors, buckles, front seatbelt buckle assemblies, buckle support assemblies (slide bar-if equipped), shoulder belt height adjusters (if equipped), shoulder belt guide on seatback (if equipped), rear inflatable seatbelts (if equipped), child restraint LATCH and tether anchors, and attaching hardware, should be inspected after a crash. Read the child restraint manufacturer's instructions for additional inspection and maintenance information specific to the child restraint.

Seatbelts

We recommend that all seatbelt assemblies in use in vehicles involved in a crash be replaced. However, if the crash was minor and an authorized dealer finds that the belts do not show damage and continue to operate properly, they do not need to be replaced. Seatbelt assemblies not in use during a crash should also be inspected and replaced if either damage or improper operation is noted.

Properly care for seatbelts. See **Cleaning the Interior** (page 322).

SEATBELT EXTENSIONS



WARNING: Persons who fit into the vehicle's seatbelt should not use an extension. Unnecessary use could result in serious personal injury in the event of a crash.



WARNING: Only use extensions provided free of charge by Lincoln Motor Company dealers. The dealer will provide an extension designed specifically for this vehicle, model year and seating position. The use of an extension intended for another vehicle, model year or seating position may not offer you the full protection of your vehicle's seatbelt restraint system.



WARNING: Never use seatbelt extensions to install child restraints.



WARNING: Do not use a seatbelt extension with an inflatable seatbelt.



WARNING: Do not use extensions to change the fit of the belt across the torso, over the lap or to make the seatbelt buckle easier to reach.

If, because of body size or driving position, it is not possible to properly fasten the seatbelt over your lap and shoulder, an extension that is compatible with the seatbelts is available free of charge from Lincoln Motor Company dealers. Only Lincoln seatbelt extensions made by the same company which made the original equipment seatbelts, should be used with Lincoln seatbelts. Ask your authorized dealer if your extension is compatible with your Lincoln vehicle restraint system.

Personal Safety System™

The Personal Safety System provides an improved overall level of frontal crash protection to front seat occupants and is designed to help further reduce the risk of airbag-related injuries. The system is able to analyze different occupant conditions and crash severity before activating the appropriate safety devices to help better protect a range of occupants in a variety of frontal crash situations.

The Vehicle Personal Safety System consists of:

- Driver and passenger dual-stage airbag supplemental restraints.
- Front seat outermost seatbelts with pretensioners, energy management retractors and seatbelt usage sensors.
- Driver seat position sensor.
- Passenger seat position sensor.
- Front passenger sensing system.
- Passenger airbag off and on indicators.
- Front crash severity sensors.
- Restraints control module with impact and safing sensors.

- Restraint system warning lamp and tone.
- The electrical wiring for the airbags, crash sensors, seatbelt pretensioners, front seatbelt usage sensors, driver seat position sensor, front passenger sensing system and indicators.

How Does the Personal Safety System Work?

The Personal Safety System can adapt the deployment strategy of the safety devices according to crash severity and occupant conditions. A collection of crash and occupant sensors provides information to the restraints control module. During a crash, the restraints control module may deploy the seatbelt pretensioners, one or both stages of the dual-stage airbags based on crash severity and occupant conditions.

Supplementary Restraints System

PRINCIPLE OF OPERATION



WARNING: Airbags do not inflate slowly or gently, and the risk of injury from a deploying airbag is the greatest close to the trim covering the airbag module.



WARNING: All occupants of your vehicle, including the driver, should always properly wear their seatbelts, even when an airbag supplemental restraint system is provided. Failure to properly wear your seatbelt could seriously increase the risk of injury or death.



WARNING: Even with advanced restraints systems, properly restrain children 12 and under in a rear seating position. Failure to follow this could seriously increase the risk of injury or death.



WARNING: Do not place your arms on the airbag cover or through the steering wheel. Failure to follow this instruction could result in personal injury.



WARNING: Keep the areas in front of the airbags free from obstruction. Do not affix anything to or over the airbag covers. Objects could become projectiles during airbag deployment or in a sudden stop. Failure to follow this instruction could result in personal injury or death.



WARNING: Airbags can kill or injure a child in a child restraint. Never place a rear-facing child restraint in front of an active airbag. If you must use a forward-facing child restraint in the front seat, move the seat upon which the child restraint is installed all the way back.



WARNING: Do not attempt to service, repair, or modify the supplementary restraint system or associated components. Failure to follow this instruction could result in personal injury or death.



WARNING: Several airbag system components get hot after inflation. To reduce the risk of injury, do not touch them after inflation.



WARNING: If a supplementary restraint system component has deployed, it will not function again. Have the system and associated components inspected as soon as possible. Failure to follow this instruction could result in personal injury or death.

The airbags are a supplemental restraint system and are designed to work with the seatbelts to help protect the driver and right front passenger from certain upper body injuries. Airbags do not inflate slowly; there is a risk of injury from a deploying airbag.

Note: *You will hear a loud bang and see a cloud of harmless powdery residue if an airbag deploys. This is normal.*

Supplementary Restraints System

The airbags inflate and deflate rapidly upon activation. After airbag deployment, it is normal to notice a smoke-like, powdery residue or smell the burnt propellant. This may consist of cornstarch, talcum powder (to lubricate the bag) or sodium compounds (for example, baking soda) that result from the combustion process that inflates the airbag. Small amounts of sodium hydroxide may be present which may irritate the skin and eyes, but none of the residue is toxic.

While the system is designed to help reduce serious injuries, contact with a deploying airbag may also cause abrasions or swelling. Temporary hearing loss is also a possibility as a result of the noise associated with a deploying airbag. Because airbags must inflate rapidly and with considerable force, there is the risk of death or serious injuries such as fractures, facial and eye injuries or internal injuries, particularly to occupants who are not properly restrained or are otherwise out of position at the time of airbag deployment. Thus, it is extremely important that occupants be properly restrained as far away from the airbag module as possible while maintaining vehicle control.

Routine maintenance of the airbags is not required.

DRIVER AND PASSENGER AIRBAGS



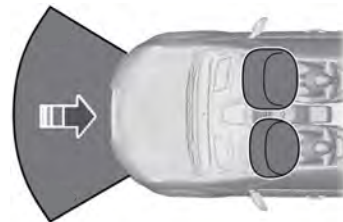
WARNING: Do not place your arms on the airbag cover or through the steering wheel. Failure to follow this instruction could result in personal injury.



WARNING: Keep the areas in front of the airbags free from obstruction. Do not affix anything to or over the airbag covers. Objects could become projectiles during airbag deployment or in a sudden stop. Failure to follow this instruction could result in personal injury or death.



WARNING: Airbags can kill or injure a child in a child restraint. Never place a rear-facing child restraint in front of an active airbag. If you must use a forward-facing child restraint in the front seat, move the seat upon which the child restraint is installed all the way back.



E151127

The driver and front passenger airbags will deploy during significant frontal and near frontal crashes.

Supplementary Restraints System

The driver and passenger front airbag system consists of:

- Driver and passenger airbag modules.
- Front passenger sensing system.



• Crash sensors and monitoring system with readiness indicator. See **Crash Sensors and Airbag**

Indicator (page 53).

Proper Driver and Front Passenger Seating Adjustment



WARNING: National Highway Traffic Safety Administration (NHTSA) recommends a minimum distance of at least 10 in (25 cm) between an occupant's chest and the driver airbag module.

To properly position yourself away from the airbag:

- Move your seat to the rear as far as you can while still reaching the pedals comfortably.
- Recline the seat slightly (one or two degrees) from the upright position.

After all occupants have adjusted their seats and put on seatbelts, it is very important that they continue to sit properly. A properly seated occupant sits upright, leaning against the seatback, and centered on the seat cushion, with their feet comfortably extended on the floor. Sitting improperly can increase the chance of injury in a crash event. For example, if an occupant slouches, lies down, turns sideways, sits forward, leans forward or sideways, or puts one or both feet up, the chance of injury during a crash is greatly increased.

Children and Airbags



WARNING: Airbags can kill or injure a child in a child restraint. Never place a rear-facing child restraint in front of an active airbag. If you must use a forward-facing child restraint in the front seat, move the seat upon which the child restraint is installed all the way back.



E142846

Children must always be properly restrained. Accident statistics suggest that children are safer when properly restrained in the rear seating positions than in the front seating position. Failure to follow these instructions may increase the risk of injury in a crash.

Supplementary Restraints System

FRONT PASSENGER SENSING SYSTEM



WARNING: Even with advanced restraints systems, properly restrain children 12 and under in a rear seating position. Failure to follow this could seriously increase the risk of injury or death.



WARNING: Sitting improperly, out of position or with the seatback reclined too far can take weight off the seat cushion and affect the decision of the passenger sensing system, resulting in serious injury or death in the event of a crash. Always sit upright against your seat back, with your feet on the floor.



WARNING: Any alteration or modification to the front passenger seat may affect the performance of the front passenger sensing system. This could seriously increase the risk of injury or death.

This system works with sensors that are part of the front passenger seat and seatbelt to detect the presence of a properly-seated occupant and determine if the front passenger frontal airbag should be enabled (may inflate) or not.



E181984

The front passenger sensing system uses a passenger airbag status indicator that illuminates indicating that the front passenger frontal airbag is either ON (enabled) or OFF (disabled).

The indicator lamp is in the center stack of the instrument panel.

Note: *The passenger airbag status indicator OFF and ON indicator lamps illuminate for a short period of time when you first switch the ignition on to confirm it is functional.*

The front passenger sensing system is designed to disable (will not inflate) the front passenger frontal airbag when the front passenger seat is unoccupied, or a rear facing infant seat, a forward-facing child restraint, or a booster seat is detected. Even with this technology, parents are **strongly** encouraged to always properly restrain children in the rear seat. The sensor also turns off the passenger front airbag when the passenger seat is empty.

- When the front passenger sensing system disables (will not inflate) the front passenger frontal airbag, the passenger airbag status indicator illuminates the OFF lamp and stays lit to remind you that the front passenger frontal airbag is disabled.
- If the child restraint has been installed and the passenger airbag status indicator illuminates the ON lamp, then switch the vehicle off, remove the child restraint from the vehicle and reinstall the restraint following the child restraint manufacturer's instructions.

Supplementary Restraints System

The front passenger sensing system is designed to enable (may inflate) the front passenger frontal airbag anytime the system senses that a person of adult size is sitting properly in the front passenger seat.

- When the front passenger sensing system enables the front passenger frontal airbag (may inflate), the passenger airbag status indicator illuminates the ON lamp and remains illuminated.

If a person of adult size is sitting in the front passenger seat, but the airbag off indicator lamp is lit, it is possible that the person is not sitting properly in the seat. If this happens:

- Switch the vehicle off and ask the person to place the seat backrest in an upright position.
- Have the person sit upright in the seat, centered on the seat cushion, with the person's legs comfortably extended.

- Restart the vehicle and have the person remain in this position for about two minutes. This allows the system to detect that person and enable the passenger frontal airbag.
- If the indicator OFF lamp remains lit even after this, advise the person to ride in the rear seat.

Occupant	Passenger Airbag Status Indicator	Passenger Airbag
Empty	OFF: Lit	Disabled
	ON: Unlit	
Child	OFF: Lit	Disabled
	ON: Unlit	
Adult	OFF: Unlit	Enabled
	ON: Lit	

Supplementary Restraints System

After all occupants have adjusted their seats and put on seatbelts, it is very important that they continue to sit properly. A properly seated occupant sits upright, leaning against the seat backrest, and centered on the seat cushion, with their feet comfortably extended on the floor. Sitting improperly can increase the chance of injury in a crash event. For example, if an occupant slouches, lies down, turns sideways, sits forward, leans forward or sideways, or puts one or both feet up, the chance of injury during a crash greatly increases.

The conditions listed above may cause the weight of a properly seated occupant to be incorrectly interpreted by the front passenger sensing system. The person in the front passenger seat may appear heavier or lighter due to the conditions described in the list above.






Make sure the front passenger sensing system is operating properly. See **Crash Sensors and Airbag Indicator** (page 53).


Do not attempt to repair or service the system. Take your vehicle immediately to an authorized dealer.


If it is necessary to modify an advanced front airbag system to accommodate a person with disabilities, contact the Ford Customer Relationship Center. See **Getting the Services You Need** (page 273).

SIDE AIRBAGS

- **WARNING:** Do not place objects or mount equipment on or near the airbag cover, on the side of the front or rear seatbacks, or in areas that may come into contact with a deploying airbag. Failure to follow these instructions may increase the risk of personal injury in the event of a crash.
- **WARNING:** Do not use accessory seat covers. The use of accessory seat covers may prevent the deployment of the side airbags and increase the risk of injury in an accident.

**WARNING:** Do not lean your head on the door. The side airbag could injure you as it deploys from the side of the seatback.

**WARNING:** Do not attempt to service, repair, or modify the supplementary restraint system or associated components. Failure to follow this instruction could result in personal injury or death.

**WARNING:** If a supplementary restraint system component has deployed, it will not function again. Have the system and associated components inspected as soon as possible. Failure to follow this instruction could result in personal injury or death.

The side airbags are on the outboard side of the seat backrests of the front seats. In certain sideways crashes, the side airbags will be inflated. The airbag was designed to inflate between the door panel and occupant to further enhance the protection provided occupants in side impact crashes.

Supplementary Restraints System



E152533

The system consists of the following:

- A label or embossed side panel indicating that side airbags are fitted to your vehicle.
- Side airbags inside the driver and front passenger seat backrests.
- Front passenger sensing system.



- Crash sensors and monitoring system with readiness indicator. See **Crash Sensors and Airbag Indicator** (page 53).

The design and development of the side airbag system included recommended testing procedures that were developed by a group of automotive safety experts known as the Side Airbag Technical Working Group. These recommended testing procedures help reduce the risk of injuries related to the deployment of side airbags.

DRIVER AND PASSENGER KNEE AIRBAGS

Driver and passenger knee airbags are located under or within the instrument panel. During a crash, the restraints control module may activate the driver and passenger knee airbags (individually or both) based on crash severity and respective occupant conditions. Under certain crash and occupant conditions, the driver and passenger knee airbags may deploy (individually or both) but the corresponding front airbag may not activate. As with front and side airbags, it is important to be properly seated and restrained to reduce the risk of death or serious injury.



Make sure the knee airbags are operating properly. See **Crash Sensors and Airbag Indicator** (page 53).

SAFETY CANOPY™



WARNING: Do not place objects or mount equipment on or near the headliner at the siderail that may come into contact with a deploying curtain airbag. Failure to follow these instructions may increase the risk of personal injury in the event of a crash.



WARNING: Do not lean your head on the door. The curtain airbag could injure you as it deploys from the headliner.



WARNING: Do not attempt to service, repair, or modify the supplementary restraint system or associated components. Failure to follow this instruction could result in personal injury or death.

Supplementary Restraints System



WARNING: All occupants of your vehicle, including the driver, should always properly wear their seatbelts, even when an airbag supplemental restraint system is provided. Failure to properly wear your seatbelt could seriously increase the risk of injury or death.



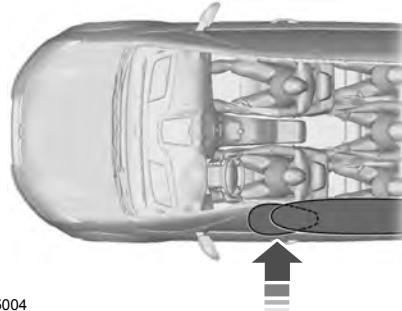
WARNING: To reduce risk of injury, do not obstruct or place objects in the deployment path of the airbag.



WARNING: If a supplementary restraint system component has deployed, it will not function again. Have the system and associated components inspected as soon as possible. Failure to follow this instruction could result in personal injury or death.

The Safety Canopy deploys during significant side crashes or when a certain likelihood of a rollover event is detected by the rollover sensor. The Safety Canopy is mounted to the roof side rail sheet metal, behind the headliner, above each row of seats. In certain sideways crashes or rollover events, the

Safety Canopy will be activated, regardless of which seats are occupied. The Safety Canopy is designed to inflate between the side window area and occupants to further enhance protection provided in side impact crashes and rollover events.



E75004

The system consists of the following:

- Safety Canopy curtain airbags above the trim panels over the front and rear side windows identified by a label or wording on the headliner or roof-pillar trim.
- A flexible headliner which opens above the side doors to allow air curtain deployment



• Crash sensors and monitoring system with a readiness indicator. See **Crash Sensors and Airbag Indicator** (page 53).

Properly restrain children 12 years old and under in the rear seats. The Safety Canopy will not interfere with children restrained using a properly installed child or booster seat because it is designed to inflate downward from the headliner above the doors along the side window opening.

The design and development of the Safety Canopy included recommended testing procedures that were developed by a group of automotive safety experts known as the Side Airbag Technical Working Group. These recommended testing procedures help reduce the risk of injuries related to the deployment of side airbags (including the Safety Canopy).

Supplementary Restraints System

CRASH SENSORS AND AIRBAG INDICATOR



WARNING: Modifying or adding equipment to the front end of your vehicle (including hood, bumper system, frame, front end body structure, tow hooks and hood pins) may affect the performance of the airbag system, increasing the risk of injury. Do not modify or add equipment to the front end of your vehicle.

Your vehicle has a collection of crash and occupant sensors which provide information to the restraints control module. The restraints control module deploys (activates) the seatbelt pretensioners, the adaptive collapsible steering column, driver airbag, passenger airbag, knee airbag(s), seat mounted side airbags and the Safety Canopy. Based on the type of crash, the restraints control module deploys the appropriate safety devices.

The restraints control module also monitors the readiness of the above safety devices plus the crash and occupant sensors. The readiness of the safety system is indicated by a warning indicator light in the instrument cluster or a backup tone (if equipped). Routine maintenance of the airbag is not required.

A difficulty with the system is indicated by one or more of the following:



The readiness light will not illuminate immediately after you switch the ignition on.

- The readiness light either flashes or stays lit.
- A series of five beeps is heard (If equipped). The tone pattern repeats periodically until the problem, the light or both are repaired.

If any of these things happen, even intermittently, have the supplemental restraint system serviced at an authorized dealer immediately. Unless serviced, the system may not function properly in the event of a crash.

The restraint system is designed to activate when the vehicle sustains conditions sufficient to cause the restraint control module to deploy a safety device.

The fact that not all the safety devices activate for all occupants in a crash does not mean something is wrong with the system. Rather, it means the restraints control module determined the accident conditions (crash severity, type of crash, belt usage) were not appropriate to activate these safety devices.

- The design of the front airbags is to activate only in frontal and near-frontal crashes (not rollovers, side impacts or rear impacts) unless the crash causes sufficient frontal deceleration.
- The seatbelt pretensioners are designed to activate in frontal, near-frontal and side crashes and rollovers.
- The knee airbag(s) may deploy based on crash severity and occupant conditions.

Supplementary Restraints System

- The design of the side airbags is to inflate in certain side impact crashes or rollover events. Side airbags may activate in other types of crashes if the vehicle experiences sufficient sideways motion or deformation.
- The design of the Safety Canopy is to inflate in certain side impact crashes or rollover events. The Safety Canopy may activate in other types of crashes if the vehicle experiences sufficient sideways motion or deformation, or a certain likelihood of rollover.

AIRBAG DISPOSAL

Contact your authorized dealer as soon as possible. Airbags must be disposed of by qualified personnel.

WHAT IS 911 ASSIST

911 Assist is a SYNC system feature that can call for help if you are in an accident. If a crash deploys an airbag, excluding knee airbags and rear inflatable seatbelts [if equipped], or activates the fuel pump shut-off, your SYNC-equipped vehicle may be able to contact emergency services by dialing 911 through a paired and connected Bluetooth enabled phone. You can learn more about the 911 Assist feature, by visiting:

Website
www.owner.lincoln.com www.syncmyride.ca www.syncmaroute.ca

Not all crashes will deploy an airbag or activate the fuel pump shut-off, the triggers for 911 Assist. If a connected cell phone sustains damage or loses its connection to SYNC during a crash, SYNC will search for and try to connect to a previously paired cell phone. SYNC will then attempt to call the emergency services.


Before making the call:


- SYNC provides a short window of time, about 10 seconds, to cancel the call. If you fail to cancel the call, SYNC attempts to dial 911.
- SYNC says the following, or a similar message: SYNC will attempt to call 911, to cancel the call, press Cancel on your screen or press and hold the phone button on your steering wheel.


If you do not cancel the call, and SYNC makes a successful call, a pre-recorded message plays for the 911 operator, and then the occupant(s) in your vehicle is able to talk with the operator. Be prepared to immediately provide your name, phone number and location, because not all 911 systems are capable of receiving this information electronically.

During an emergency call, the system transmits vehicle data to the emergency service. See **Data Recording** (page 10).

EMERGENCY CALL REQUIREMENTS

**WARNING:** Do not wait for 911 Assist to make an emergency call if you can do it yourself. Dial emergency services immediately to avoid delayed response time which could increase the risk of serious injury or death after a crash. If you do not hear 911 Assist within five seconds of the crash, the system or phone may be damaged or non-functional.

**WARNING:** Always place your phone in a secure location in your vehicle so it does not become a projectile or get damaged in a crash. Failure to do so may cause serious injury to someone or damage the phone which could prevent 911 Assist from working properly.

**WARNING:** Unless the 911 Assist setting is set on before a crash, the system will not dial for help which could delay response time, potentially increasing the risk of serious injury or death after a crash.

911 Assist

- SYNC must be powered and working properly at the time of the incident and throughout feature activation and use.
- The 911 Assist feature must be set on before the incident.
- You must pair and connect a Bluetooth enabled and compatible cell phone to SYNC.
- A connected Bluetooth enabled phone must have the ability to make and maintain an outgoing call at the time of the incident.
- A connected Bluetooth enabled phone must have adequate network coverage, battery power and signal strength.
- The vehicle must have battery power and be located in the U.S., Canada or in a territory in which 911 is the emergency number.

Note: *If any user sets 911 Assist to on or off, that setting applies for all paired phones. If 911 Assist is switched off and the phone is connected to SYNC, an icon displays on the status bar.*

Note: *Every phone operates differently. While SYNC 911 Assist works with most cellular phones, some may have trouble using this feature.*

EMERGENCY CALL LIMITATIONS

The SYNC 911 Assist feature only operates in the U.S., Canada or in a territory in which 911 is the emergency number.

- Your cellular phone or 911 Assist hardware sustains damage in a crash.
- The vehicle's battery or the SYNC system has no power.
- The phone(s) thrown from your vehicle are the ones paired and connected to the system.

Keys and Remote Controls

GENERAL INFORMATION ON RADIO FREQUENCIES

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.



WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

The typical operating range for your transmitter is approximately 33 ft (10 m). Vehicles with the remote start feature will have a greater range.

One of the following could cause a decrease in operating range:

- Weather conditions.
- Nearby radio towers.
- Structures around the vehicle.
- Other vehicles parked next to your vehicle.

The radio frequency used by your remote control can also be used by other radio transmitters, for example amateur radios, medical equipment, wireless headphones, wireless remote controls, cell phones, battery chargers and alarm systems. If the frequencies are jammed, you will not be able to use your remote control. You can lock and unlock the doors with the key.

Note: *Make sure to lock your vehicle before leaving it unattended.*

Note: *If you are in range, the remote control will operate if you press any button unintentionally.*

Note: *The remote control contains sensitive electrical components. Exposure to moisture or impact may cause permanent damage.*

Intelligent Access (If Equipped)

The system uses a radio frequency signal to communicate with your vehicle and authorize your vehicle to unlock when one of the following conditions are met:

- You activate the front exterior door handle switch.
- You press the luggage compartment button.
- You press a button on the transmitter.

If excessive radio frequency interference is present in the area or if the transmitter battery is low, you may need to mechanically unlock your door. You can use the mechanical key blade in your intelligent access key to open the driver door in this situation. See **Remote Control** (page 57).

REMOTE CONTROL

Intelligent Access Key

Note: *You may not be able to shift out of park (P) unless the intelligent access key is inside your vehicle.*

Keys and Remote Controls



The intelligent access keys operate the power locks and the remote start system. The key must be in your vehicle to use the push button start.



E151795

Note: Your vehicle keys came with a security label that provides important key cut information. Keep the label in a safe place for future reference.

Removable Key Blade

The intelligent access key also contains a removable key blade that you can use to unlock your vehicle.



Push the release button and pull the key blade out.

Replacing the Battery

Note: Refer to local regulations when disposing of transmitter batteries.

Note: Do not wipe off any grease on the battery terminals or on the back surface of the circuit board.

Keys and Remote Controls

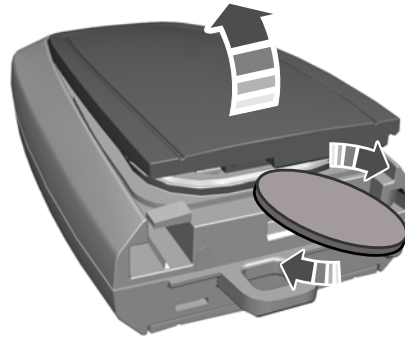
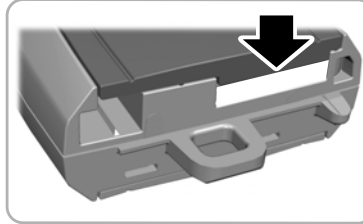
Note: Replacing the battery does not erase the programmed key from your vehicle. The transmitter should operate normally.

A message appears in the information display when the remote control battery is low. See **Information Messages** (page 121).

The remote control uses one coin-type three-volt lithium battery equivalent.



1. Push the release button and pull the key blade out.



2. Twist a thin coin under the tab hidden behind the key blade head to remove the battery cover.



E218691

3. Insert a suitable tool, for example a screwdriver, in the position shown and carefully remove the battery.
4. Install a new battery with the + facing upward.

Keys and Remote Controls

5. Reinstall the battery cover and the key blade.

Car Finder



Press the button twice within three seconds. A tone sounds and the direction indicators flash. We recommend you use this method to locate your vehicle, rather than using the panic alarm.


Sounding the Panic Alarm

Note: *The panic alarm only operates when the ignition is off.*



Press the button to sound the panic alarm. Press the button again or switch the ignition on to turn it off.

Remote Start

**WARNING:** To avoid exhaust fumes, do not use remote start if your vehicle is parked indoors or in areas that are not well ventilated.

Note: *Do not use remote start if your fuel level is low.*



The remote start button is on the transmitter.

This feature allows you to start your vehicle from the outside. The transmitter has an extended operating range.

You can configure your automatic climate control to operate when you remote start your vehicle. See **Climate Control** (page 141).

Many states and provinces have restrictions for the use of remote start. Check your local and state or provincial laws for specific requirements regarding remote start systems.

The remote start system does not work if any of the following occur:

- The ignition is on.
- The anti-theft alarm triggers.
- You switch the feature off in the information display.
- The hood is open.
- The transmission is not in park (P).
- The battery voltage is below the minimum operating voltage.

Remote Control Feedback (If Equipped)

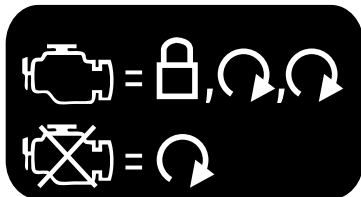
An LED on the remote control provides status feedback of remote start or stop commands.

LED	Status
Solid green	Remote start successful
Solid red	Remote stop successful
Blinking red	Request failed or status not received
Blinking green	Status incomplete

Keys and Remote Controls

Remote Starting your Vehicle

Note: You must press each button within three seconds of each other. If you do not follow this sequence, your vehicle does not start remotely, the direction indicators do not flash twice and the horn does not sound.



E138626

1. Press the lock button to lock all the doors.
2. Press the remote start button twice. The exterior lamps flash twice.

A tone sounds if the system fails to start.

Note: You must press the push button ignition switch on the instrument panel once while applying the brake pedal before driving your vehicle.

The power windows do not work during remote start and the radio does not turn on automatically.

The parking lamps remain on and your vehicle will run for 5, 10 or 15 minutes, depending on the setting.

Extending the Engine Running Time

To extend the engine running time duration of your vehicle during remote start, repeat steps 1 and 2 while the engine is running. If the duration is set to 15 minutes, the duration extends by another 15 minutes. For example, if your vehicle had been running from the first remote start for 5 minutes, your vehicle continues to run now for a total of 30 minutes. You can extend the engine running time duration to a maximum of 30 minutes.

Wait at least five seconds before remote starting after the engine stops running.

Turning Your Vehicle Off After Remote Starting



Press the button once. Your vehicle and the parking lamps turn off.

You may have to be closer to your vehicle than when starting due to ground reflection and the added noise of your running vehicle.

You can switch this feature on or off in the information display. See **General Information** (page 110).

Memory Feature

You can program your intelligent access key to recall memory positions. See **Memory Function** (page 152).

REPLACING A LOST KEY OR REMOTE CONTROL

Replacement keys or remote controls can be purchased from an authorized dealer. Authorized dealers can program remote controls for your vehicle.

PRINCIPLE OF OPERATION

MyKey allows you to program keys with restricted driving modes to promote good driving habits. You can program the restrictions to all keys except one. Any keys that you did not program are administrator keys or admin keys.

You can use admin keys to:

- Create a MyKey with certain vehicle restrictions.
- Program certain MyKey settings.
- Clear all MyKey restrictions.

After you program a MyKey, you can view the following information through the information display:

- The total number of admin keys and MyKeys for your vehicle.
- The total distance a MyKey driver traveled with your vehicle.

Note: Every MyKey receives the same restrictions and settings. You cannot program them individually.

Note: For vehicles equipped with a push-button start switch: When both a MyKey and an admin key are present when you start your vehicle, the system recognizes the admin key only.

Standard Settings

Not every vehicle includes the features listed below. If your vehicle has this equipment, then you cannot change the following settings when using a MyKey:

- Seatbelt reminder or Belt-Minder™. MyKey mutes the audio system until drivers, and in some instances, passengers, fasten their seatbelts. **Note:** If your vehicle includes an AM/FM radio or a very basic audio system, then the radio may not mute.
- Earlier low-fuel warning. The low-fuel warning activates earlier for MyKey drivers, giving them more time to refuel.

- Certain driver alerts, stability systems or parking aids turn on automatically when you use the MyKey system. For example, Blind Spot Information System (BLIS), cross traffic alert, lane departure warning or forward collision warning. **Note:** MyKey drivers may be able to turn the lane departure warning feature off, but this feature turns back on automatically with every new key cycle.
- Restricted touchscreen operation in some markets. For example, MyKey may prevent manual navigation destination input while the vehicle is in any gear other than park (P) or when the vehicle reaches a certain rate of speed.
- Satellite radio adult content restrictions, if this feature is available in your market.

Optional Settings

You can configure certain vehicle feature settings when you first create a MyKey. You can also change the settings afterward with an admin key.

Note: *Not every feature applies to every vehicle in every market. When they are available for your vehicle, then they appear in your information display, providing choices to switch them on or off, or to select a more specific setting.*

- Various vehicle speed limits so the MyKey driver cannot exceed certain speeds. The information display shows warnings followed by an audible tone when the MyKey driver reaches the set speed. You cannot override the set speed by fully depressing the accelerator pedal.



WARNING: Do not set MyKey maximum speed limit to a limit that will prevent the driver from maintaining a safe speed considering posted speed limits and prevailing road conditions. The driver is always responsible to drive in accordance with local laws and prevailing conditions. Failure to do so could result in accident or injury.

- Various vehicle speed reminders so MyKey drivers know when their vehicle speed approaches the limits. Warnings appear in your information display and a tone sounds when the MyKey drivers exceed the set vehicle speed.
- The audio system's maximum volume limits to 45% so MyKey drivers can concentrate on the road. A message appears in the information display when MyKey drivers attempt to exceed the limited volume. MyKey also disables the automatic volume control. **Note:** If your vehicle includes an AM/FM radio or a very basic audio system, then the radio may not limit.
- Always on setting. This setting forces certain features to remain on and active for MyKey drivers. For example, E911 or emergency assistance and the do not disturb features stay on even if a MyKey driver uses the feature's control to switch it off. When selected, you will not be able to turn off Advance Trac or traction control (if your vehicle has this feature).

CREATING A MYKEY

Use the information display to create a MyKey:

1. Insert the key you want to program into the ignition. If your vehicle is equipped with a push-button start, place the remote control into the backup slot. See **Starting a Hybrid Electric Vehicle System** (page 168).
2. Switch the ignition on.
3. Access the main menu in the information display and then scroll through the menus to change the settings of your MyKey. From the MyKey menu select the option Create MyKey. See **Information Displays** (page 110).
4. When prompted, hold the **OK** button until you see a message informing you to label this key as a MyKey. The programmed restrictions apply when you key off, open and close the driver door and restart your vehicle with the programmed key or transmitter.

MyKey is successfully created. Make sure you label it so you can distinguish it from the admin keys.

You can also program configurable settings for the key(s). See **Programming and Changing Configurable Settings**.

Programming and Changing Configurable Settings

Use the information display to access your configurable MyKey settings.

1. Switch the ignition on using an admin key or transmitter you want to program.
2. Access the main menu in the information display and then scroll through the menus to change the settings of your MyKey. See **Information Displays** (page 110).
3. Follow the instructions in the display. The programmed restrictions apply when you switch the vehicle off, open and close the driver door and restart your vehicle with the programmed key or transmitter.

Note: *You can clear or change your MyKey settings at any time during the same key cycle as you created the MyKey. Once you have switched the vehicle off, however, you will need an admin key to change or clear your MyKey settings. When you make any changes to your MyKey settings, you change the settings for every MyKey. You cannot make individual changes to apply to certain MyKeys.*

CLEARING ALL MYKEYS

When you clear your MyKeys, you remove all restrictions and return all MyKeys to their original admin key status at once. To clear all MyKeys of all MyKey settings, use the information display.

1. Switch the ignition on using an admin key.
2. Access the main menu in the information display and then scroll through the menus to begin clearing your MyKey programming. See **Information Displays** (page 110).
3. Follow the instructions in the display.

4. A confirmation message appears in the display after you finish clearing your MyKeys.

Note: *When you clear your MyKeys, you remove all restrictions and return all MyKeys to their original admin key status. You cannot remove the MyKey restrictions individually.*

CHECKING MYKEY SYSTEM STATUS

You can find information about your programmed MyKeys by using the information display. See **Information Displays** (page 110).

MyKey Distance

Tracks the distance when drivers use a MyKey. The only way to delete the accumulated distance is by using an admin key to clear all MyKeys. If the distance does not accumulate as expected, then the intended user is not using the MyKey, or an admin key user recently cleared and then recreated a MyKey.

Number of MyKeys

Indicates the number of MyKeys programmed to your vehicle. Use this feature to detect how many MyKeys you have for your vehicle and determine when all MyKeys have been deleted.

Number of Admin Keys

Indicates how many admin keys are programmed to your vehicle. Use this feature to determine how many admin keys you have for your vehicle, and detect if an additional MyKey has been programmed.

USING MYKEY WITH REMOTE START SYSTEMS

MyKey is not compatible with non Lincoln-approved, aftermarket remote start systems. If you choose to install a remote start system, see an authorized dealer for a Lincoln-approved remote start system.

MYKEY – TROUBLESHOOTING

Condition	Potential Causes
I cannot create a MyKey.	The key or transmitter used to start the vehicle does not have admin privileges. Vehicles with keyless start: Make sure you place the transmitter into the backup slot. See Passive Anti-Theft System (page 77). The key or transmitter used to start the vehicle is the only admin key. There always has to be at least one admin key. The passive anti-theft system is disabled or in unlimited mode.
I cannot program the configurable settings.	The transmitter used to start your vehicle does not have admin privileges. There are no MyKeys programmed to the vehicle. See Creating a MyKey (page 63).
I cannot clear the MyKeys.	The key or transmitter used to start the vehicle does not have admin privileges. No MyKeys are created. See Creating a MyKey (page 63).
I lost the only admin key.	Purchase a new key or transmitter from an authorized dealer.

Condition	Potential Causes
I lost a key.	Program a spare key or transmitter. You may need to see an authorized dealer. See Passive Anti-Theft System (page 77).
The MyKey distance does not accumulate.	The MyKey user is not using the MyKey. An admin key holder cleared the MyKeys and created new MyKeys. The key system has been reset.
No MyKey functions with the transmitter.	An admin transmitter is present at vehicle start. There are no MyKeys programmed to your vehicle. See Creating a MyKey (page 63).

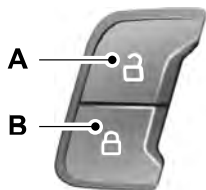
Doors and Locks

LOCKING AND UNLOCKING

You can use the power door lock control or the remote control to lock and unlock your vehicle.

Power Door Locks

The power door lock control is on the driver and front passenger door panels.



E138628

- A Unlock.
- B Lock.

Door Lock Indicator

An LED on each door window trim illuminates when you lock the door. It remains on for up to 10 minutes after you switch the ignition off.

Door Lock Switch Inhibitor

When you electronically lock your vehicle, the power door lock switch and interior trunk release switch will not operate after 20 seconds. You must unlock your vehicle with the remote control or keyless keypad, or switch the ignition on, to restore function to these switches. You can switch this feature on or off in the information display. See **Information Messages** (page 121).

Note: Switch the ignition on and off after changing the setting in the information display.

Rear Door Unlocking and Opening

Pull the interior door handle twice to unlock and open a rear door. The first pull unlocks the door and the second pull opens the door.

Remote Control

You can use the remote control at any time.

Unlocking the Doors (Two-Stage Unlock)



Press the button to unlock the driver door.

Press the button again within three seconds to unlock all doors. A tone sounds and the direction indicators flash.

Press and hold both the lock and unlock buttons on the remote control for three seconds to change between driver door or all doors unlock mode. The direction indicators will flash twice to indicate a change to the unlocking mode. Driver door mode only unlocks the driver door when you press the unlock button once. All door mode unlocks all doors when you press the unlock button once. The unlocking mode applies to the remote control, keyless entry keypad and intelligent access. You can also change between the unlocking modes using the information display. See **Information Messages** (page 121).

Doors and Locks

Locking the Doors



Press the button to lock all doors. A tone sounds and the direction indicators flash.

Press the button again within three seconds to confirm that all the doors are closed. The doors lock again, a tone sounds and the direction indicators flash if all the doors and the luggage compartment are closed.

Mislock

If any door or the luggage compartment is open, or if the hood is open on vehicles with an anti-theft alarm or remote start, a tone sounds and the direction indicators do not flash. You can switch this feature on or off in the information display. See **Information Messages** (page 121).

Opening the Luggage Compartment



Press twice within three seconds to open the luggage compartment.

Make sure to close and latch the luggage compartment before driving your vehicle. An unlatched luggage compartment may cause objects to fall out or block your view.

Note: *The luggage compartment release button only works when your vehicle speed is below 3 mph (5 km/h).*

Activating Intelligent Access

General Information

You can unlock and lock the vehicle without taking the keys out of your pocket or purse when your intelligent access key is within 3 ft (1 m) of your vehicle. Intelligent access uses a sensor on the back of the door handle for unlocking and a separate sensor on the face of each door handle for locking.

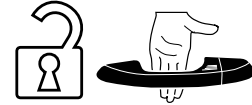
The system does not function if:

- Your vehicle battery has no charge.
- The key battery has no charge.
- The passive key frequencies are jammed.

Note: *The system may not function if the key is close to metal objects or electronic devices, for example keys or a cell phone.*

Note: *If the system does not function, use the key blade to lock and unlock your vehicle. See **Remote Control** (page 57).*

Unlocking Using Intelligent Access



E248553

With your intelligent access key within 3 ft (1 m) of your vehicle, touch the unlock sensor on the back of the door handle for a brief period and then pull on the door handle to unlock, being careful to not touch the lock sensor at the same time or pulling the door handle too quickly. The intelligent access system requires a brief delay to authenticate your intelligent access key fob.

Locking Using Intelligent Access

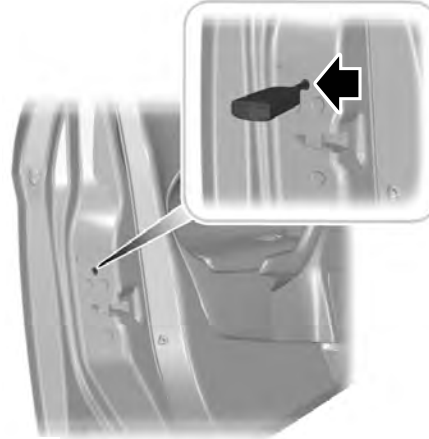


E248554

Doors and Locks

With your intelligent access key within 3 ft (1 m) of your vehicle, touch the outer door handle lock sensor for approximately one second to lock, being careful to not touch the unlock sensor on the back of the door handle at the same time. After locking, you can immediately pull on the door handle to confirm locking occurred without inadvertently unlocking.

Locking and Unlocking the Doors with the Key Blade



E112203

If the central locking function does not operate, lock the doors individually using the key in the position shown.

On the driver side, turn the key clockwise to lock. On the passenger side, turn the key counterclockwise to lock.

Smart Unlocks for Intelligent Access Keys

This feature helps to prevent you from locking your intelligent access key inside your vehicle's passenger compartment or rear cargo area.

When you electronically lock your vehicle with any door open, the transmission is in park (P) and the ignition is off, the system searches for an intelligent access key inside your vehicle after you close the last door. If the system finds a key, all of the doors immediately unlock and a tone sounds, indicating a key is inside.

You can override the smart unlock feature and intentionally lock the intelligent access key inside your vehicle.

To do this, lock your vehicle after you have closed all the doors by:

- Using the keyless entry keypad.
- Pressing the lock button on another intelligent access key.
- Touching the locking area on the front of the door handle with another intelligent access key in your hand.

Doors and Locks

When you open one of the front doors and lock your vehicle using the power door lock control, all doors will lock then unlock if:

- The ignition is on.
- The ignition is off and the transmission is not in park (P).

Autolock (If Equipped)

Autolock locks all the doors when:

- All doors are closed.
- The ignition is on.
- You shift into any gear putting your vehicle in motion.
- Your vehicle reaches a speed greater than 12 mph (20 km/h).

Autolock repeats when:

- You open then close any door while the ignition is on and your vehicle speed is 9 mph (15 km/h) or lower.
- Your vehicle reaches a speed greater than 12 mph (20 km/h).

Autounlock

Autounlock unlocks all the doors when:

- The ignition is on, all the doors are closed, and your vehicle has been moving at a speed greater than 12 mph (20 km/h).
- Your vehicle comes to a stop and you switch the ignition off or to the accessory position.
- You open the driver door within 10 minutes of switching the ignition off or to accessory.

Note: *The doors will not autounlock if you electronically lock your vehicle after you switch the ignition off and before you open the driver door.*

Enabling or Disabling Autounlock

You can enable or disable the autounlock feature in the information display or an authorized dealer can do it for you. See

General Information (page 110).

Illuminated Entry

The interior lamps and some exterior lamps illuminate when you unlock the doors with the remote control.

The illuminated entry system turns off the lights if:

- The ignition is on.
- You press the remote control lock button.
- After 25 seconds of illumination.

The lights do not turn off if:

- You turn them on with the lamp control.
- Any door is open.

Illuminated Exit

The interior lamps and some exterior lamps illuminate when all doors are closed and you switch the ignition off.

The lamps turn off when all the doors remain closed and:

- 25 seconds have elapsed.
- You press the push button ignition switch.

Doors and Locks

Battery Saver

If you leave the courtesy lamps, interior lamps or headlamps on, the battery saver shuts them off 10 minutes after you switch the ignition off.

Accessory Mode Battery Saver for Intelligent Access Keys

If you leave the ignition switched on, it shuts off when it detects a certain amount of battery drain, or after 45 minutes.

Luggage Compartment

From Inside Your Vehicle



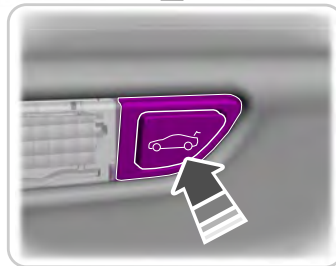
Press the button on the instrument panel to open the luggage compartment.

With the Remote Control



Press twice within three seconds to open the luggage compartment.

From Outside Your Vehicle



E205262

Press the exterior release button to open the luggage compartment. Your vehicle must be unlocked or have an intelligent access transmitter within 3 ft (1 m) of the luggage compartment.

POWER DECKLID



WARNING: Make sure all persons are clear of the power decklid area before using the power decklid control.



WARNING: Keep keys out of the reach of children. Do not allow children to operate or play near an open or moving power decklid. You should supervise the operation of the power decklid at all times.

Note: Do not drive with the decklid open unless you switch off the power feature. Make sure the decklid is fully closed before you drive your vehicle.

You can switch the power decklid feature on or off in the information display. See **General Information** (page 110). The remote control and instrument panel button will still operate the decklid regardless of the setting.

Doors and Locks

Opening and Closing the Power Decklid

Note: You can reverse the decklid movement. Press the instrument panel or decklid button again, or press the remote control button twice.

Note: Do not push or pull on the power decklid while it is under operation, as this may cause damage to your vehicle.

The decklid will only operate with the transmission in park (P).

If the decklid reverses or starts to close after an open request, you will hear a fast continuous chime. This indicates excessive load on the decklid or a possible gas strut failure. If the decklid continues to close after opening, have the system checked by an authorized dealer.

From Inside Your Vehicle



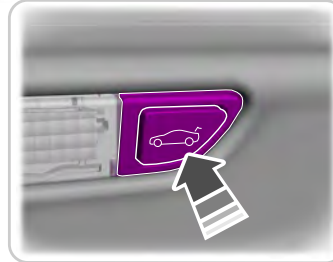
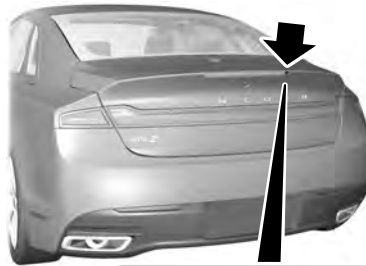
Press the button on the instrument panel.

With the Remote Control



Press the button twice within three seconds.

From Outside Your Vehicle



E205262

Press the exterior release button to open the luggage compartment. Your vehicle must be unlocked or have an intelligent access transmitter within 3 ft (1 m) of the luggage compartment.

Note: Let the power system operate the decklid after pressing the control. Pushing or pulling the decklid may activate the obstacle detection feature and stop the power operation.

With the Decklid Close Button



Press the button inside the decklid on the left-hand side.

Obstacle Detection

The decklid will reverse to full open if it detects an obstacle while closing. Three chimes will sound as the decklid begins to reopen. Remove the obstacle to close the decklid.

Doors and Locks

Note: Before driving your vehicle, check the instrument cluster for a trunk ajar or door ajar message or warning indicator. Failure to do this could result in unintentionally leaving the decklid open while driving.

The decklid will stop and three chimes will sound if it detects an obstacle while opening. Remove the obstacle to operate the decklid.

Resetting the Power Decklid

The decklid may not operate correctly and you may need to reset it if:

- The vehicle battery charge is low.
- You disconnect the battery.
- You manually close the decklid and leave it unlatched.

To reset the power decklid:

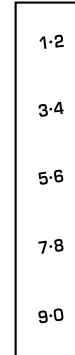
1. Disconnect the battery for 20 seconds then reconnect the battery.
2. Manually close the decklid making sure it is fully closed.
3. Power open the decklid using the remote control or instrument panel button.

KEYLESS ENTRY

SECURICODE™ KEYLESS ENTRY KEYPAD

The keypad is located near the driver window. It is invisible until you touch it, then it lights up so you can see and touch the appropriate buttons.

Note: If you enter your entry code too fast on the keypad, the unlock function may not work. Re-enter your entry code more slowly.



E138637

You can use the keypad to:

- Lock or unlock the doors.
- Program and erase personal entry codes.
- Arm and disarm the anti-theft alarm.
- Release the trunk.

Note: The keypad does not operate a power decklid.

Doors and Locks

You can operate the keypad with the factory-set 5-digit entry code. The code is located on the owner's wallet card in the glove box and is available from an authorized dealer. You can also create up to five of your own 5-digit personal entry codes.

Programming a Personal Entry Code

To create your own personal entry code:

1. Enter the factory-set code.
2. Press **1-2** on the keypad within five seconds.
3. Enter your personal 5-digit code. You must enter each number within five seconds of each other.
4. Press **1-2** on the keypad to save personal code 1.

The doors lock then unlock to confirm that programming was successful.

To program additional personal entry codes, repeat Steps 1-3, then for Step 4:

- Press **3-4** to save personal code 2
- Press **5-6** to save personal code 3

- Press **7-8** to save personal code 4
- Press **9-0** to save personal code 5.

You may also program a personal entry code using the touchscreen. See **Settings** (page 437).

Tips:

- Do not set a code that uses five of the same number.
- Do not use five numbers in sequential order.
- The factory-set code works even if you have set your own personal code.

Erasing a Personal Code

1. Enter the factory-set 5-digit code.
2. Press and release **1-2** on the keypad within five seconds.
3. Press and hold **1-2** for two seconds. You must do this within five seconds of completing Step 2.

If you complete this successfully, you have erased all personal codes and only the factory-set 5-digit code works.

Anti-Scan Feature

The keypad goes into an anti-scan mode if you enter the wrong code seven times (35 consecutive button presses). This mode disables the keypad for one minute and the keypad lamp flashes.

The anti-scan feature turns off after:

- One minute of keypad inactivity.
- Pressing the unlock button on the remote control.
- Switching the ignition on.
- Unlocking your vehicle using intelligent access.

Unlocking and Locking the Doors

To Unlock the Driver Door

Enter the factory-set 5-digit code or your personal code. You must press each number within five seconds of each other. The interior lamps illuminate.

Note: All doors unlock if you enable the all door unlocking mode. See **Locking and Unlocking** (page 67).

Doors and Locks

To Unlock All Doors

Enter the factory-set code or your personal code, then press **3-4** within five seconds.

To Lock All Doors

Press and hold **7-8** and **9-0** at the same time with the driver door closed. You do not need to enter the keypad code first.

To Release the Trunk

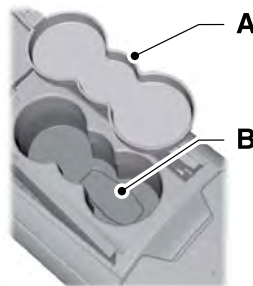
Enter the factory-set code or your personal code, then press **5-6** within five seconds.

Note: The keypad does not operate a power decklid.

Displaying the Factory Set Code

Note: You need to have two programmed intelligent access keys for this procedure.

To display the factory-set code in the information display:



E155835

1. Remove the rubber covering (A) from the cupholder. With the buttons facing upwards and the unlock button facing the front of the vehicle, place the first intelligent access in the backup slot (B).
2. Press the **START/STOP** button once and wait a few seconds.
3. Press the **START/STOP** button again and remove the key.
4. Insert the second programmed key into the backup slot, and then press the **START/STOP** button.

The factory-set code appears in the information display for a few seconds.

Note: The code may not display until after any other warning messages first display.

INTERIOR LUGGAGE COMPARTMENT RELEASE



WARNING: Keep vehicle doors and luggage compartment locked and keep keys and remote transmitters out of a child's reach. Unsupervised children could lock themselves in the trunk and risk injury. Children should be taught not to play in vehicles.

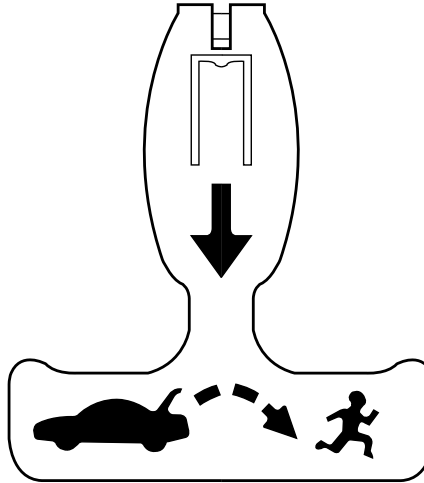


WARNING: Do not leave children or animals unattended in the vehicle. On hot days, the temperature in the trunk or vehicle interior can rise very quickly. Exposure of people or animals to these high temperatures for even a short time can cause death or serious heat-related injuries, including brain damage. Small children are particularly at risk.

Doors and Locks

Your vehicle is equipped with a release handle that provides a means of escape for children and adults if they become locked inside the luggage compartment.

Adults should familiarize themselves with the operation and location of the release handle.



E144403

The handle is located inside the luggage compartment either on the luggage compartment door (lid) or near the tail lamps. It is composed of a material that will glow for hours in darkness following brief exposure to ambient light.

Pull the handle and push up on the luggage compartment door (lid) to open from within the luggage compartment.

PASSIVE ANTI-THEFT SYSTEM

Note: *The system is not compatible with non-Ford aftermarket remote start systems. Use of these systems may result in vehicle starting problems and a loss of security protection.*

Note: *Metallic objects, electronic devices or a second coded key on the same key chain may cause vehicle starting problems if they are too close to the key when starting your vehicle. Prevent these objects from touching the coded key while starting your vehicle. Switch the ignition off, move all objects on the key chain away from the coded key and restart your vehicle if a problem occurs.*

Note: *Do not leave a duplicate coded key in your vehicle. Always take your keys and lock all doors when leaving your vehicle.*

SecuriLock

The system helps prevent your vehicle from starting unless you use a coded key programmed to your vehicle. Using the wrong key may prevent your vehicle from starting. A message may appear in the information display.

If you are unable to start your vehicle with a correctly coded key, it is not operating properly. A message may appear in the information display.

Automatic Arming

Your vehicle arms immediately after switching the ignition off.

Automatic Disarming

Switching the ignition on with a coded key disarms your vehicle.

Replacement Keys

Note: *Your vehicle comes equipped with two intelligent access keys.*

The intelligent access key functions as a programmed key that operates the driver door lock and activates the intelligent access with push button start system, as well as a remote control.

If your programmed transmitters are lost or stolen and you do not have an extra coded key, have your vehicle towed to an authorized dealer. You need to erase the key codes from your vehicle and program new coded keys.

Store an extra programmed key away from your vehicle in a safe place to help prevent any inconveniences. See your authorized dealer to purchase additional spare or replacement keys.

Programming a Spare Intelligent Access Key

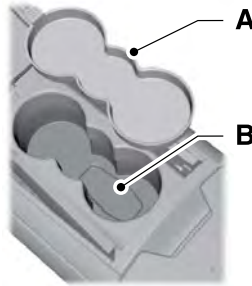
Note: *You can program a maximum of four intelligent access keys to your vehicle.*

Security

You must have two previously programmed intelligent access keys inside your vehicle and the new unprogrammed intelligent access keys readily accessible. See an authorized dealer to have the spare key programmed if two previously programmed keys are not available.

Make sure that your vehicle is off before beginning this procedure. Make sure that you close all the doors before beginning and that they remain closed throughout the procedure. Perform all steps within 30 seconds of starting the sequence. Stop and wait for at least one minute before starting again if you perform any steps out of sequence.

Read and understand the entire procedure before you begin.



E155835

1. Remove the rubber covering (A) from the cupholder. With the buttons facing upwards and the unlock button facing the front of the vehicle, place the first intelligent access in the backup slot (B).
2. Press the push button ignition switch.
3. Wait five seconds and then press the push button ignition switch again.
4. Remove the intelligent access key.
5. Within 10 seconds, place a second programmed intelligent access key in the backup slot. Press the push button ignition switch.

6. Wait five seconds and then press the push button ignition switch again.
7. Remove the intelligent access key.
8. Place the unprogrammed intelligent access key in the backup slot and press the push button ignition switch.

Programming is now complete. Verify the remote control functions operate and your vehicle starts with the new intelligent access key.

If programming was not successful, wait 10 seconds and repeat Steps 1 through 7. If you are still unsuccessful, take your vehicle to your authorized dealer.

ANTI-THEFT ALARM

The system will warn you of an unauthorized entry to your vehicle. It will be triggered if any door, the luggage compartment or the hood is opened without using the key, remote control or keyless entry keypad.

The direction indicators will flash and the horn will sound if unauthorized entry is attempted while the alarm is armed.

Take all remote controls to an authorized dealer if there is any potential alarm problem with your vehicle.

Arming the Alarm

The alarm is ready to arm when there is not a key in your vehicle. Electronically lock your vehicle to arm the alarm.

Disarming the Alarm


Disarm the alarm by any of the following actions:

- Unlock the doors or luggage compartment with the remote control or keyless entry keypad.
- Switch your vehicle on or start your vehicle.
- Use a key in the driver door to unlock your vehicle, then switch your vehicle on within 12 seconds.

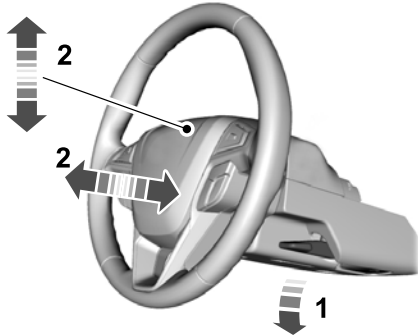
Note: *Pressing the panic button on the remote control will stop the horn and signal indicators, but will not disarm the system.*

Steering Wheel

ADJUSTING THE STEERING WHEEL - VEHICLES WITH: MANUAL ADJUSTABLE STEERING COLUMN

 **WARNING:** Do not adjust the steering wheel when your vehicle is moving.

Note: Make sure that you are sitting in the correct position. See **Sitting in the Correct Position** (page 146).



E259854


1. Unlock the steering column.
2. Adjust the steering wheel to the desired position.



E259855

3. Lock the steering column.

ADJUSTING THE STEERING WHEEL - VEHICLES WITH: POWER ADJUSTABLE STEERING COLUMN

 **WARNING:** Do not adjust the steering wheel when your vehicle is moving.

Note: Make sure that you are sitting in the correct position. See **Sitting in the Correct Position** (page 146).

Steering Wheel



Use the control on the side of the steering column to adjust the position.

To adjust:

- Tilt: Press the top or bottom of the control.
- Telescope: Press the front or rear of the control.

End of Travel Position

The steering column sets a stopping position just short of the end of the column position to prevent damage to the steering column. A new stopping position sets if the steering column encounters an object when tilting or telescoping.

To reset the steering column to its normal stopping position:

1. Confirm there is nothing obstructing the motion of the steering column.
2. Press and hold the steering column control until the steering column stops moving.
3. Press the steering column control again.

Note: *The steering column may begin to move again.*

4. When the steering column stops, continue holding the control for a few seconds.
5. Repeat for each direction as necessary.

A new stopping position sets. The next time you tilt or telescope the steering column, it stops just short of the end of the column position.

Memory Feature (If Equipped)

You can save and recall the steering column position with the memory function. See **Memory Function** (page 152).

Pressing the adjustment control during a memory recall cancels the operation.

Easy Entry and Exit Feature

The column moves up when you switch the ignition off. Switch the ignition on to return the system to its previous settings. You can switch this feature on or off in the information display. See **Information Displays** (page 110).

Note: *If you press any adjustment or memory button when in easy exit mode, the system cancels the operation.*

Note: *Depending on your vehicle, the column may move up and in.*

Steering Wheel

AUDIO CONTROL





E287852


You can operate the following functions with the control:


VOL Press - to decrease volume level.
Press + to increase volume level.

MUTE Press to silence the current media

 Press to access phone mode or to answer a phone call.


 Press to end a phone call.

 Press to access the previous media selection.

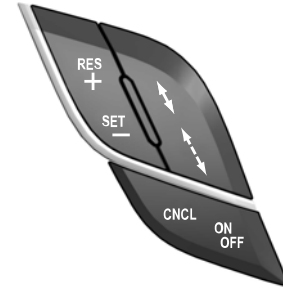
 Press to access the next media selection.

VOICE CONTROL

The controls are on the steering wheel.

 Press and release to activate voice recognition.

CRUISE CONTROL - VEHICLES WITH: ADAPTIVE CRUISE CONTROL WITH STOP AND GO

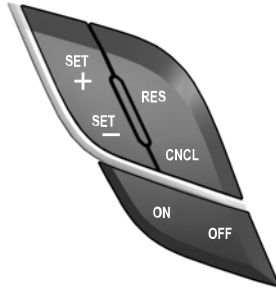


E222823

See **Using Adaptive Cruise Control** (page 227).

Steering Wheel

CRUISE CONTROL - VEHICLES WITH: CRUISE CONTROL



E145976

See **What Is Cruise Control** (page 226).

INFORMATION DISPLAY CONTROL



E145981

See **Information Displays** (page 110).

HEATED STEERING WHEEL (IF

EQUIPPED)

The heated steering wheel button is on the climate controls.



Press the button to switch the heated steering wheel on and off.

Note: You can use the heated steering wheel only when the engine is running.

Note: The system uses a sensor and is designed to control the temperature of the steering wheel and to prevent it from overheating.

Note: In warm temperatures, the steering wheel quickly reaches its maximum temperature and the system reduces the current to the heating element. This could cause you to think that the system has stopped working but it has not. This is normal.

HORN

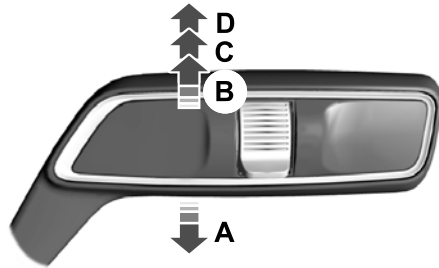


Wipers and Washers

WINDSHIELD WIPERS



Push the lever up or down to operate the windshield wiper.



E269410

- A Single wipe.
- B Intermittent wipe.
- C Normal wipe.
- D High-speed wipe.

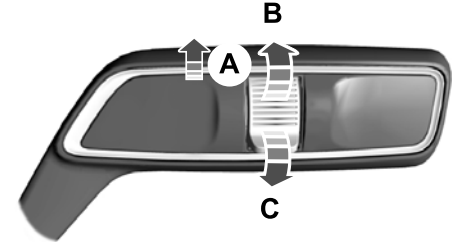
Note: Fully defrost the windshield before you switch the windshield wipers on.

Note: Make sure that you switch the windshield wipers off before entering a car wash.

Note: If streaks or smears appear on the windshield, clean the windshield and the wiper blades. If that does not resolve the issue, install new wiper blades.

Note: Do not operate the wipers on a dry windshield. This may scratch the glass, damage the wiper blades or cause the wiper motor to burn out. Always use the windshield washers before wiping a dry windshield.

Intermittent Wipe



E269411

- A Intermittent wipe
- B Shortest wipe interval.
- C Longest wipe interval.

Use the rotary control to adjust the intermittent wipe interval.

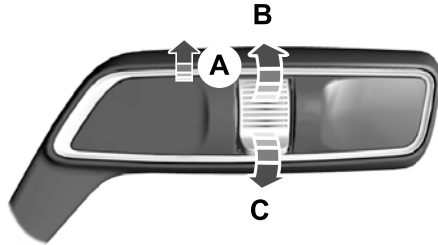
Speed Dependent Wipers

When your vehicle speed increases, the interval between wipes decreases.

Wipers and Washers

AUTOWIPERS (IF EQUIPPED)

Wet or winter driving conditions with ice, snow or salty road mist can cause inconsistent and unexpected wiping or smearing.



E269411

- A Autowipers On.
- B High sensitivity.
- C Low sensitivity.

Use the rotary control to adjust the sensitivity of the autowipers. When you select low sensitivity, the wipers operate when the sensor detects a large amount of water on the windshield. When you select high sensitivity, the wipers operate when the sensor detects a small amount of water on the windshield.

Keep the outside of the windshield clean. The rain sensor is very sensitive and the wipers may operate if dirt, mist or insects hit the windshield.

In these conditions, you can do the following:

- Lower the sensitivity of the autowipers to reduce the amount of smearing on the windshield.
- Switch to normal or high-speed wipe.
- Switch autowipers off.

Note: Fully defrost the windshield before you switch the windshield wipers on.

Note: Make sure that you switch the windshield wipers off before entering a car wash.

Note: If streaks or smears appear on the windshield, clean the windshield and the wiper blades. If that does not resolve the issue, install new wiper blades.

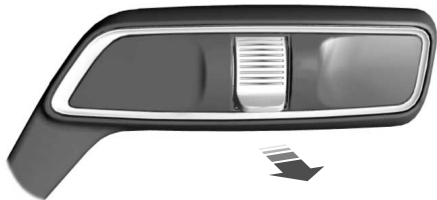
Note: If you switch autolamps and autowipers on, the headlamps turn on when the windshield wipers continuously operate.

Autowipers Settings

Autowipers defaults to on and remains on until you switch it off in the information display. When you switch off autowipers, the wipers operate in intermittent mode.

Wipers and Washers

WINDSHIELD WASHERS



E269412

Pull the lever toward you to operate the windshield washers. When you release the lever, the wipers operate for a short time. When activated, a courtesy wipe occurs a short time after the wipers stop to clear any remaining washer fluid.

Note: You can switch courtesy wipe on or off in the information display. See **Information Messages** (page 121).

Note: Do not operate the washers when the washer reservoir is empty. This could cause the washer pump to overheat.

Lighting

GENERAL INFORMATION

Condensation in the Exterior Front Lamps and Rear Lamps

Exterior front lamps and rear lamps have vents to accommodate normal changes in air pressure.

Condensation can be a natural by-product of this design. When moist air enters the lamp assembly through the vents, there is a possibility that condensation can occur when the temperature is cold. When normal condensation occurs, a fine mist can form on the interior of the lens. The fine mist eventually clears and exits through the vents during normal operation.

Clearing time may take as long as 48 hours under dry weather conditions.

Examples of acceptable condensation are:

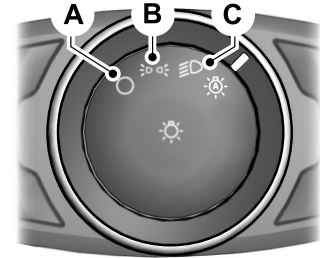
- The presence of a fine mist (no streaks, drip marks or large droplets).
- A fine mist covers less than 50% of the lens.

Examples of unacceptable condensation are:

- A water puddle inside the lamp.
- Streaks, drip marks or large droplets present on the interior of the lens.

If you see any unacceptable condensation, have your vehicle checked by an authorized dealer.

LIGHTING CONTROL



- A Lamps off.
- B Parking lamps, instrument panel lamps, license plate lamps and tail lamps.
- C Headlamp low beam.

Lighting

Headlamp High Beam



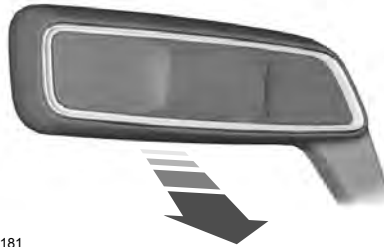
E273182



Push the lever away from you to switch the high beam on.

Push the lever away from you again or pull the lever toward you to switch the high beam off.

Flashing the Headlamp High Beam



E273181

Slightly pull the lever toward you and release it to flash the headlamps.

AUTOLAMPS



WARNING: The system does not relieve you of your responsibility to drive with due care and attention. You may need to override the system if it does not turn the headlamps on in low visibility conditions, for example daytime fog.

Autolamps turn the headlamps on in low light situations or when the wipers operate.



Switch the lighting control to the autolamps position.

The headlamps remain on for a period of time after you switch the ignition off. Use the information display controls to adjust the period of time that the headlamps remain on.

Note: *If you switch the autolamps on, you cannot switch the high beams on until the system turns the low beams on.*

Windshield Wiper Activated Headlamps

When you switch the autolamps on, the headlamps turn on within 10 seconds of switching the wipers on. They turn off approximately 60 seconds after you switch the windshield wipers off.

The headlamps do not turn on with the wipers:

- During a single wipe.
- When using the windshield washers.
- If the wipers are in intermittent mode.

Lighting

Note: If you switch the autolamps and the autowipers on, the headlamps turn on when the windshield wipers continuously operate.

INSTRUMENT LIGHTING DIMMER

The instrument lighting dimmer buttons are on the lighting control.



Repeatedly press one of the buttons to adjust the brightness.



HEADLAMP EXIT DELAY

Note: Perform steps one through four within a 10 second period. Autolamps and parking lamps turn on.

Switch the headlamps and parking lamps on and off with the following sequence:

1. Deselect the autolamps.
2. Switch on the vehicle.
3. Switch off the vehicle.

4. Select the autolamps.
5. To switch the lamps off, deselect the autolamps after about three minutes.

DAYTIME RUNNING LAMPS - VEHICLES WITH: DAYTIME RUNNING LAMPS (DRL)



WARNING: The daytime running lamps system does not activate the rear lamps and may not provide adequate lighting during low visibility driving conditions. Make sure you switch the headlamps on, as appropriate, during all low visibility conditions. Failure to do so may result in a crash.

The system turns the lamps on in daylight conditions.

To switch the system on, switch the lighting control to any position except headlamps.

DAYTIME RUNNING LAMPS - VEHICLES WITH: CONFIGURABLE DAYTIME RUNNING LAMPS



WARNING: The daytime running lamps system does not activate the rear lamps and may not provide adequate lighting during low visibility driving conditions. Make sure you switch the headlamps on, as appropriate, during all low visibility conditions. Failure to do so may result in a crash.

Switch the daytime running lamps on or off using the information display. See **General Information** (page 110).

The daytime running lamps turn on when:

1. The lamps are on in the information display.
2. You switch the ignition on.
3. The transmission is not in park (P) for vehicles with automatic transmissions or you release the parking brake for vehicles with manual transmissions.

Lighting

4. The lighting control is in the autolamps position.
5. The headlamps are off.

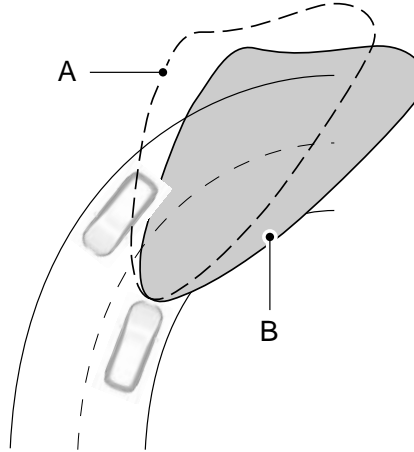
The other lighting control switch positions do not turn on the daytime running lamps.

If the daytime running lamps are off in the information display, the lamps stay off in all switch positions.

ADAPTIVE HEADLAMPS (IF EQUIPPED)

The headlamp beams move in the same direction as the steering wheel. This provides more visibility when driving around curves.

- A. Without adaptive headlamps.
- B. With adaptive headlamps.



E161714

The system only works with the lighting control in the autolamp position. You can switch this feature on or off in the information display.

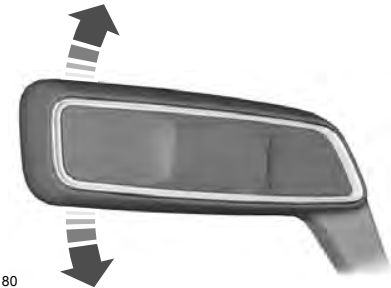
Note: There is a delay of two to five seconds before the system operates when you drive your vehicle.

Note: The system is only active at speeds above 3 mph (5 km/h).

System Check (If Equipped)

The system has a power-up movement check feature. When you start your vehicle, the lamps track left to right, then back to center to alert the driver that the system is working properly.

DIRECTION INDICATORS



E273180

Lighting



Push the lever up or down to use the direction indicators.

Indicating a Lane Change

Tap the lever up or down to make the direction indicators flash three times to indicate a lane change.

WELCOME LIGHTING

The Lincoln welcome mat projection lights are on the bottom of the exterior mirror housings. They project an image onto the ground a short distance from your vehicle when welcome lighting or lighted entry turns on.

For auto-fold mirrors, the Lincoln welcome mat turns on when welcome lighting or lighted entry turns on and the mirrors fold in upon locking or using the switch on the door.

You can switch this feature on or off in the information display.

Note: Moisture, frost and ice build-up or other types of contamination on the surface of the light lens can cause non-permanent distortion or reduced brightness of the image. Do not use abrasive materials to clean the lens.

Note: If you enable auto-fold and then you fold the mirrors in to the door window glass, the welcome mats do not turn on.

INTERIOR LAMPS

The lamps turn on under the following conditions:

- You open any door.
- You press a remote control button.
- You press the all lamps on button on the overhead console.

Front Interior Lamp



E262162

The front interior lamp switches are on the overhead console.

Note: The position of each button on the overhead console depends on your vehicle.

All Lamps On



Press to switch all interior lamps on.

All Lamps Off



Press to switch all interior lamps off.

Lighting

Individual Dome Lamps



Press to switch the left-hand individual dome lamp on and off.



Press to switch the right-hand individual dome lamp on and off.

Interior Lamp Function



Press to switch the interior lamp function on and off.

When the interior lamp function is off and you open a door, the courtesy and door lamps stay off.

When the interior lamp function is on and you open a door, the courtesy and door lamps turn on.

Note: *The indicator lamp lights amber when the door function is off.*

Individual Map Lamps

Press a map lens to switch individual map lamps on and off independently.

Rear Interior Lamps

The rear interior lamps may be above the rear seat or above the rear windows.



Press to switch the lamps on or off.

AMBIENT LIGHTING (IF EQUIPPED)

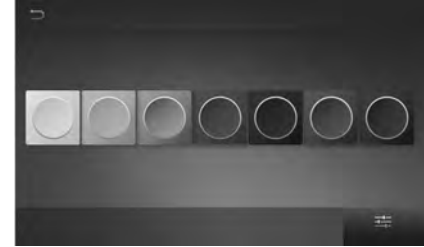
Use the touchscreen to select the following:



Select the settings option on the feature bar.



Select ambient lighting.



E2B1470

Switching Ambient Lighting On

Touch a color once.

Changing the Color

Touch any color once.

Adjusting the Brightness

Drag the selected color up or down.

Switching Ambient Lighting Off

Touch the selected color once or drag the selected color down to zero brightness.

Automatic High Beam Control (If Equipped)

WHAT IS AUTOMATIC HIGH BEAM CONTROL

The system turns on high beams if it is dark enough and no other traffic is present. If it detects an approaching vehicle's headlamps or tail lamps, or street lighting ahead, the system turns the high beams off. Low beams remain on.

A camera sensor, centrally mounted behind the windshield of your vehicle, continuously monitors conditions to turn the high beams on and off.

SWITCHING AUTOMATIC HIGH BEAM CONTROL ON AND OFF

Switch the system on or off using the information display. See **General Information** (page 110).

Activating the Automatic High Beam Control



Switch the lighting control to the autolamps position to activate. See **Autolamps** (page 88).

Note: Automatic high beams are not available when autolamps are not turned on.

When active, the high beams turn on if:

- The ambient light level is low enough.
- There is no traffic in front of your vehicle.
- The vehicle speed is greater than approximately 32 mph (52 km/h).

When active, the high beams turn off if:

- The ambient light level is high enough that high beams are not required.
- The system detects an approaching vehicle's headlamps or tail lamps.
- The system detects severe rain, snow or fog.
- The camera is blocked.
- The vehicle speed falls below approximately 27 mph (44 km/h).

Note: The deactivation speed is lower on curves.

Note: High beam reactivation may be delayed in certain curvy road situations.

Note: The system may not operate properly if the sensor is blocked. Keep the windshield free from obstruction or damage.

Note: The system may not operate properly in cold or inclement conditions. You can switch on the high beams by overriding the system.

Note: If the system detects a blockage, for example bird droppings, bug splatter, snow or ice, the system goes into low beam mode until you clear the blockage. A message may appear in the information display if the camera is blocked.

Note: Using much larger tires or equipping vehicle accessories such as snowplows can modify your vehicle's ride height and degrade automatic high beam control performance.

Automatic High Beam Control (If Equipped)

AUTOMATIC HIGH BEAM CONTROL INDICATORS



The indicator illuminates to confirm when the system is ready to assist.

OVERRIDING AUTOMATIC HIGH BEAM CONTROL



WARNING: The system does not relieve you of your responsibility to drive with due care and attention. You may need to override the system if it does not turn the high beams on or off.



WARNING: You may need to override the system when approaching other road users.



WARNING: You may need to override the system during inclement weather.



E273182

Push the lever away from you to switch between high beam and low beam.

Windows and Mirrors

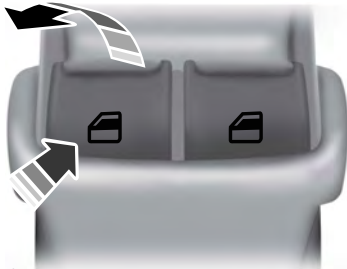
POWER WINDOWS



WARNING: Do not leave children unattended in your vehicle and do not let them play with the power windows. Failure to follow this instruction could result in personal injury.



WARNING: When closing the power windows, verify they are free of obstruction and make sure that children and pets are not in the proximity of the window openings.



E146043

Note: You may hear a pulsing noise when just one of the windows is open. Lower the opposite window slightly to reduce this noise.

Press the switch to open the window.

Lift the switch to close the window.

One-Touch Down

Press the switch fully and release it. Press again or lift it to stop the window.

One-Touch Up

Lift the switch fully and release it. Press or lift it again to stop the window.

Resetting One-Touch Up

Start the engine.

1. Lift and hold the window switch until you fully close the door window. Continue to hold the switch for a few seconds after you close the window.
2. Release the window switch.
3. Press and hold the window switch until you fully open the door window.

4. Release the window switch.

5. Lift and hold the window switch until you fully close the window.

6. Test for correct window operation by carrying out the one-touch down and one-touch up features.

Bounce-Back

The window will stop automatically while closing. It reverses some distance if there is an obstacle in the way.

Overriding the Bounce-Back Feature



WARNING: If you override bounce-back, the window does not reverse if it detects an obstacle. Take care when closing the windows to avoid personal injury or damage to your vehicle.

Pull up the window switch and hold within a few seconds of the window reaching the bounce-back position. The window travels up with no bounce-back protection. The window stops if you release the switch before the window fully closes.

Windows and Mirrors

Window Lock



Press the control to lock or unlock the rear window controls. It illuminates when you lock the rear window controls.

Accessory Delay

You can use the window switches for several minutes after you switch the ignition off or until you open either front door.

GLOBAL OPENING AND CLOSING

You can use the remote control to operate the windows with the ignition off.

Note: You can enable or disable this feature in the information display or see an authorized dealer. See **General Information** (page 110).

Note: To operate this feature, accessory delay must not be active.

Opening the Windows

You can only open the windows for a short time after you unlock your vehicle with the remote control. After you unlock your vehicle, press and hold the remote control unlock button to open the windows and vent the moonroof. Release the button once movement starts. Press the lock or unlock button to stop movement.

Closing the Windows



WARNING: When closing the windows and moonroof, you should verify they are free of obstructions and make sure that children and pets are not in the proximity of the window openings.

To close the windows and moonroof, press and hold the remote control lock button. Release the button once movement starts. Press the lock or unlock button to stop movement.

EXTERIOR MIRRORS

Power Exterior Mirrors



WARNING: Do not adjust the mirrors when your vehicle is moving. This could result in the loss of control of your vehicle, serious personal injury or death.

Windows and Mirrors



E144073

- A Left-hand mirror.
- B Adjustment control.
- C Right-hand mirror.

To adjust your mirrors, switch your vehicle on (with the ignition in accessory mode or the engine running) and then:

1. Select the mirror you want to adjust. The control lights.
2. Use the adjustment control to adjust the position of the mirror.
3. Press the mirror control again. The control light turns off.

Fold-Away Exterior Mirrors

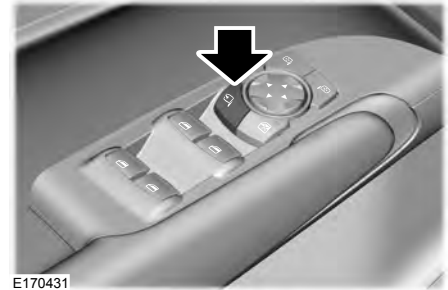
Push the mirror toward the door window glass. Make sure that you fully engage the mirror in its support when returning it to its original position.

Auto-Folding Mirrors (If Equipped)

The exterior mirrors automatically fold in toward the glass after you place the transmission into park (P), turn off the vehicle, open and close the driver's side door and lock the vehicle. The exterior mirrors automatically unfold and return to their driving position after you unlock the vehicle and open and close the driver's side door.

You can switch this feature on and off through the information display. See **General Information** (page 110).

Note: If you switch this feature off through the information display, the welcome lighting also switches off.



E170431

You can fold the mirrors on demand by pressing the power-folding mirror control on the door. The control lights and the mirrors fold in toward the glass. Press the control again to unfold the mirrors. The control light turns off.

Note: If you switch the auto fold feature on and use the power-folding control to fold the mirrors on demand, you must use the control again to unfold them.

Windows and Mirrors

Loose Mirror

If you manually fold the power-folding mirrors, they may not work properly even after you re-position them. You need to reset them if:

- The mirrors vibrate when you drive.
- The mirrors feel loose.
- The mirrors do not stay in the folded or unfolded position.
- One of the mirrors is not in its normal driving position.

To reset the power-fold feature, use the power-folding mirror control to fold and unfold the mirrors. You may hear a loud noise as you reset the power-folding mirrors. This sound is normal. Repeat this process as needed each time you manually fold the mirrors.

Heated Exterior Mirrors

See **Heated Rear Window** (page 144).

Memory Mirrors (If Equipped)

You can save and recall the mirror positions through the memory function. See **Memory Function** (page 152).

Auto-dimming Feature

The driver exterior mirror automatically dims when the interior auto-dimming mirror turns on.

Signal Indicator Mirrors

The outer portion of the appropriate mirror housing blinks when you activate the direction indicator.

Lincoln Welcome Mat

Projection lights, on the bottom of the mirror housings, project an image onto the ground a short distance from the vehicle. See **Lighting** (page 87).

Blind Spot Information System

See **Blind Spot Information System** (page 242).

INTERIOR MIRROR



WARNING: Do not adjust the mirror when your vehicle is moving.

Note: Do not clean the housing or glass of any mirror with harsh abrasives, fuel or other petroleum or ammonia-based cleaning products.

You can adjust the interior mirror to your preference. Some mirrors also have a second pivot point. This lets you move the mirror head up or down and from side to side.

Auto-Dimming Mirror

Note: Do not block the sensors on the front and back of the mirror. Mirror performance may be affected. A rear center passenger or raised rear center head restraint may also block light from reaching the sensor.

Windows and Mirrors

The mirror will dim automatically to reduce glare when bright lights are detected from behind your vehicle. It will automatically return to normal reflection when you select reverse gear to make sure you have a clear view when backing up.

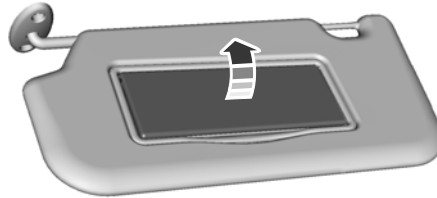
SUN VISORS



E138666

Rotate the sun visor toward the side window and extend it rearward for extra shade.

Illuminated Vanity Mirror



E162197

Lift the cover to switch the lamp on.

SUN SHADES

Note: Do not try to move the sun shade manually.

The power rear sun shade covers the rear window of the vehicle.



E145986

The control is in the overhead console.

The sun shade has a one-touch up and down feature. Press and release the control to move the sun shade. To stop motion, press the control a second time.

The sun shade automatically retracts when you shift the transmission into **R** (Reverse).

MOONROOF (IF EQUIPPED)



WARNING: Do not leave children unattended in your vehicle and do not let them play with the moonroof. Failure to follow this instruction could result in personal injury.

Windows and Mirrors



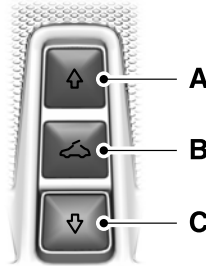
WARNING: When closing the moonroof, verify that it is free of obstruction and make sure that children and pets are not in the proximity of the roof opening.

Type 1

The sliding shade can be manually opened or closed when the moonroof is closed. Pull the shade toward the front of the vehicle to close it.

The moonroof controls are on the overhead console and have a one-touch open and close feature. To stop it during one-touch operation, touch the control a second time.

Opening and Closing



E144499

- A Open
- B Vent
- C Close

Press A to open the moonroof. It will stop short of the fully opened position.

Note: This position helps to reduce wind noise or rumbling which may happen with the moonroof fully open. Press A again to fully open the moonroof.

Press C to close the moonroof.

Venting the Moonroof

Press and release to close the sunshade. If fully open, the sunshade stops after covering the rear glass panel. Press and release again to fully close the sunshade.

Bounce-Back

The moonroof reverses some distance if an obstacle is detected while closing.

Press and hold C within two seconds of a bounce-back event to override this function.

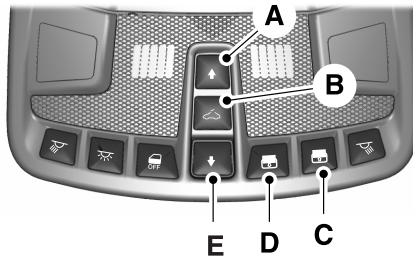
Type 2

Note: With the panoramic moonroof fully open and vehicle speed increasing to about 50 mph (80 km/h), the moonroof opening panel closes about 8 in (20 cm) to reduce excessive wind noise at higher speeds. This feature only functions one time per key cycle, so that you can open the glass further if desired.

Windows and Mirrors

The moonroof controls are on the overhead console and have a one-touch open and close feature. To stop its movement during one-touch operation, press the control a second time.

Opening and Closing



E191272

- A Moonroof open.
- B Moonroof vent.
- C Sunshade open.
- D Sunshade close.
- E Moonroof close.

Moonroof Open

Press and release to open the moonroof. The moonroof stops short of the fully opened position. Press and release the control again to open the moonroof fully.

Moonroof Vent

Press and release to vent the moonroof.

Sunshade Open

Press and release to open the sunshade. The sunshade opens with the moonroof. You can also open the sunshade with the moonroof closed.

Note: The sunshade stops short of its fully opened position for the comfort of rear passengers. To open the sunshade fully, press the control again.

Sunshade Close

Press and release to close the sunshade. If fully open, the sunshade stops after covering the rear glass panel. Press and release again to fully close the sunshade.

Moonroof Close

Press and release to close the moonroof from either the open or vent positions.

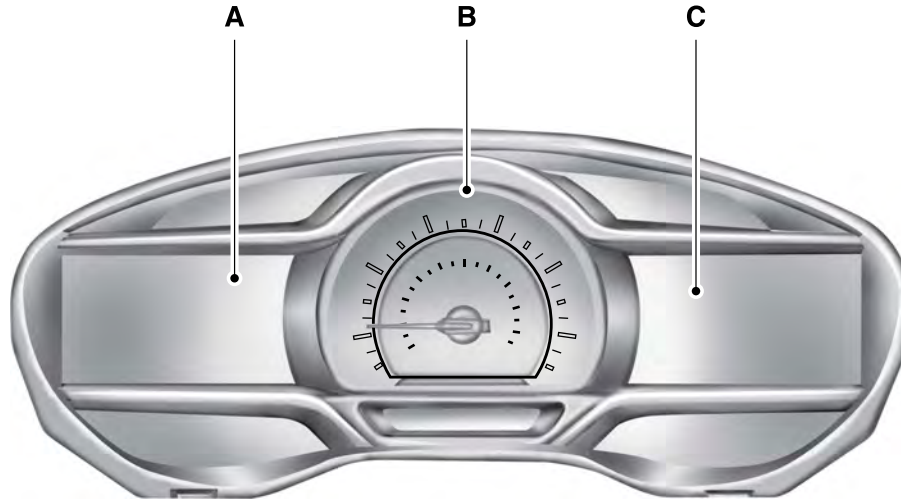
Bounce-Back

The moonroof reverses some distance if an obstacle is detected while closing.

To override this feature, press and hold the moonroof close control within two seconds after the roof comes to a stop following a bounce-back reversal or two successive reversals.

Instrument Cluster

GAUGES



E271818

Instrument Cluster

- A Left Information Display.
- B Speedometer.
- C Right Information Display.

Left Information Display

Odometer

Located in the bottom of the display. It registers the accumulated distance your vehicle has traveled.

Battery Gauge:

An optional small battery gauge is provided for Hybrid vehicles. This can be enabled in the Settings menu under Battery Display. See **General Information** (page 110). The fill level, or State of Charge, indicates the amount of energy stored in the high voltage battery as a percent of total energy capacity. The level increases or decreases as the battery charges and discharges during normal operation.

Regen Display

A circular arrow symbol displays when energy is being recaptured through the regenerative braking system. Regen Display can be disabled in the Settings menu. See **General Information** (page 110).

Fuel Gauge

The fuel gauge indicates about how much fuel is in the fuel tank.

The arrow adjacent to the fuel pump symbol indicates on which side of your vehicle the fuel filler door is located.

Note: *The fuel gauge may vary slightly when your vehicle is moving or on a slope.*

Low Fuel Reminder

A low fuel level reminder displays and sounds when the distance to empty reaches 75 mi (120 km) to empty for MyKey, and at 50 mi (80 km), 25 mi (40 km), 10 mi (20 km) and 0 mi (0 km) for all vehicle keys.

Note: *The low fuel reminder can appear at different fuel gauge positions depending on fuel economy conditions. This variation is normal.*

Vehicle Settings and Personalization

Display/Trip

See **General Information** (page 110).

Information

See **General Information** (page 110).

Instrument Cluster

Settings

See **General Information** (page 110).

Brake Coach Display

The Brake Coach appears after your vehicle has come to a stop. It coaches you to brake in a manner which maximizes the amount of energy returned through the regenerative braking system. The percent displayed is an indication of the regenerative braking efficiency with 100% representing the maximum amount of energy recovery.

This feature can be switched on or off in the information displays settings menu. See **General Information** (page 110).

Trip Summary

Trip Summary displays upon shutting off your vehicle. The information is cumulative over the last trip. A new trip begins each time you start your vehicle (when the Ready to Drive message comes on). Corresponding trip efficiency leaves appear on the right information display.

- Distance - Displays the total distance traveled, distance traveled on battery power only (EV distance) and Regen distance. Regen distance is the estimated range gained from energy recaptured through regenerative braking.
- Energy Use - Displays the average fuel economy.
- Brake Score - The percent displayed is an indication of the regenerative braking efficiency for the trip.

Right Information Display

Entertainment

See **General Information** (page 390).

Phone

See **General Information** (page 390).

Navigation or Compass

See **General Information** (page 390).

Fuel Economy

See **General Information** (page 110).

Vehicle Range

Located at the bottom of the display. It indicates the estimated distance to empty based on the fuel remaining in the tank. Changes in your driving pattern and climate control use may cause the value to vary.

Trip Efficiency Leaves

Trip Efficiency Leaves display upon shutting off your vehicle. The number of leaves represent the average for the last trip. A new trip begins each time you start your vehicle (when the Ready to Drive message comes on). Corresponding Trip Summary data displays on the left information display.

WARNING LAMPS AND INDICATORS

The following warning lamps and indicators alert you to a vehicle condition that may become serious. Some lamps illuminate when you start your vehicle to make sure they work. If any lamps remain on after starting your vehicle, refer to the respective system warning lamp for further information.

Instrument Cluster

Note: Some warning indicators appear in the information display and operate the same as a warning lamp but do not illuminate when you start your vehicle.

Adaptive Cruise Control Indicator (If Equipped)



The speed control system indicator light changes color to indicate what mode the system is in: See

Using Adaptive Cruise Control (page 227).

On (white light): Lights when you turn the adaptive cruise control system on. Turns off when you turn the speed control system off.

Engaged (green light): Lights when the adaptive cruise control system engages. Turns off when the speed control system disengages.

Anti-Lock Brake System Warning Lamp



If it lights when you are driving, this indicates a malfunction. You will continue to have the normal braking system (without Anti-lock braking system) unless the brake system warning lamp also lights. Have an authorized dealer check the system.

Auto Hold Active



It illuminates when the system holds your vehicle stationary.

Auto Hold Unavailable



It illuminates when the system is on, but unavailable to hold your vehicle stationary.

Automatic Headlamp High Beam Indicator (If Equipped)



It illuminates when the system automatically turns the headlamp high beam on.

See **Autolamps** (page 88).

Battery



If it lights while driving, it indicates a malfunction. Switch off all unnecessary electrical equipment and have an authorized dealer check the system immediately.

Blind Spot Monitor (If Equipped)



Lights when you switch this feature off or with a blind spot message. See **Blind Spot Information System** (page 242). See **Information Messages** (page 121).

Instrument Cluster

Brake System Warning Lamp



WARNING: Driving your vehicle with the warning lamp on is dangerous. A significant decrease in braking performance may occur. It may take you longer to stop your vehicle. Have your vehicle checked as soon as possible. Driving extended distances with the parking brake engaged can cause brake failure and the risk of personal injury.

Note: Indicators vary depending on region.

This lamp is a dual function lamp and will illuminate when:

- You apply the parking brake with the ignition on.
- Your vehicle has a brake fault or low brake fluid level, regardless of parking brake position.

BRAKE



If the lamp illuminates while you are moving, you may have the parking brake applied. Be sure that the parking brake is off. Have your vehicle checked as soon as possible if the lamp continues to illuminate.

Cruise Control Indicator



It illuminates when you switch the system on.

See **What Is Cruise Control** (page 226).

Direction Indicator



Lights when the left or right turn signal or the hazard warning flasher is switched on. If the indicators stay on or flash faster, check for a burned-out bulb. See **Changing a Bulb** (page 316).

Door Ajar



Lights when the ignition is on and any door is not completely closed.

EcoSelect



Lights when you switch on this feature. See **EcoSelect** (page 175).

Electric Park Brake



Lights or flashes when the electric parking brake malfunctions.

Engine or Motor Coolant Temperature



Lights when the engine or motor cooling system is overheating. Stop your vehicle in a safe place and have an authorized dealer check the system.

Engine Oil



It illuminates when you switch the ignition on.

Instrument Cluster

If it illuminates when the engine is running this indicates a malfunction. Stop your vehicle as soon as it is safe to do so and switch the engine off. Check the engine oil level. If the oil level is sufficient, this indicates a system malfunction. Have your vehicle checked as soon as possible.

See **Engine Oil Check** (page 304).

Fasten Seatbelt Warning Lamp



It illuminates and a chime sounds until you fasten the seatbelts.

Front Airbag



Lights when you start your vehicle. If it continues to flash or remains on, it indicates a malfunction. Have an authorized dealer check the system.

Grade Assist



Lights when you switch on the grade assist function.

Heads Up Display (If Equipped)



A red beam of lights appears on the windshield in certain instances when using adaptive cruise control and/or the collision warning system. To make sure the display works, it will also appear momentarily when you start your vehicle.

Headlamp High Beam Indicator



Lights when you switch on the high-beam headlamps. Flashes when you use the headlamp flasher.

Hood Ajar



Lights when the ignition is on and the hood is not completely closed.

Lane Keeping System Lamp (If Equipped)



Lights when you activate the lane keeping system.

Low Fuel Level Warning Lamp



Lights when the fuel level is low or the fuel tank is nearly empty. Refuel as soon as possible.

Low Tire Pressure Warning Lamp



It illuminates when your tire pressure is low. If the lamp remains on with the engine running or when driving, check your tire pressure as soon as possible.

It also illuminates momentarily when you switch the ignition on to confirm the lamp is functional. If it does not illuminate when you switch the ignition on, or begins to flash at any time, have the system checked by your authorized dealer.

Low Washer Fluid Level Warning Lamp



Lights when the windshield washer fluid is low.

Instrument Cluster

Parking Lamps



Lights when you switch on the parking lamps.

Powertrain Fault



Lights when your vehicle detects a powertrain fault. Contact an authorized dealer as soon as possible.

Note: *If your vehicle detects certain faults, it will not allow you to operate the accelerator pedal. If this happens, press the brake pedal and release it. This will activate limp home vehicle operation. In limp home vehicle operation, your vehicle will accelerate in a controlled manner up to a maximum speed of 35 mph (56 km/h) on a flat surface. If you apply the brake pedal or move the transmission to neutral (N) you can override your vehicle's acceleration.*

Ready to Drive



Lights when you switch on your vehicle and it is ready to drive. A corresponding message may display stating ready to drive.

Service Engine Soon



If it illuminates when the engine is running this indicates a malfunction. The On Board Diagnostics system has detected a malfunction of the vehicle emission control system.

If it flashes, engine misfire may be occurring. Increased exhaust gas temperatures could damage the catalytic converter or other vehicle components. Drive in a moderate fashion (avoid heavy acceleration and deceleration) and have your vehicle immediately serviced.

It illuminates when you switch the ignition on prior to engine start to check the bulb and to indicate whether your vehicle is ready for Inspection and Maintenance (I/M) testing.

Normally, it illuminates until the engine is cranked and automatically turns off if no malfunctions are present. However, if after 15 seconds it flashes eight times, this indicates that your vehicle is not ready for Inspection and Maintenance (I/M) testing.

See **Catalytic Converter** (page 188).

Stability Control



Flashes when the system is active. If it stays lit or does not light when you switch on the ignition, this indicates a malfunction. During a malfunction the system will switch off. Have an authorized dealer check the system immediately. See **Using Stability Control** (page 206).

Stability Control Off



It illuminates when you switch the system off.

Instrument Cluster

Stop Safely



Lights if your vehicle has an electrical component fault or failure that will cause your vehicle to shutdown or enter into a limited operating mode. You may also see a message.

Trunk Ajar



Lights when the ignition is on and the trunk is not completely closed.

AUDIBLE WARNINGS AND INDICATORS

Keyless Warning Alert

The horn will sound twice when you exit your vehicle with the intelligent access key and your vehicle is in RUN, indicating your vehicle is still on.

Headlamps On Warning Chime

Sounds when you have left the headlamps or parking lamps on and open the driver door with the vehicle off.

Parking Brake On Warning Chime

Sounds when you have left the parking brake on and drive your vehicle. If the warning chime remains on after you have released the parking brake, have the system checked by your authorized dealer immediately.

Information Displays

GENERAL INFORMATION



WARNING: Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

You can control various systems on your vehicle using the information display controls on the steering wheel. The information display shows the corresponding information.

Left Information Display Controls



E146303

- Press the up and down arrow buttons to scroll through and highlight the options within a menu.
- Press the right arrow button to enter a sub-menu.
- Press the left arrow button to exit a menu.

- Press and hold the left arrow button at any time to return to the main menu display (escape button).
- Press the **OK** button to choose and confirm settings or messages.

Main menu

From the main menu bar on the left side of the information display, you can choose from the following categories:



Display/Trip



Information



Settings

Scroll up or down to highlight one of the categories, and then press the right arrow key or **OK** to enter into that category. Press the left arrow key as needed to exit back to the main menu.

Information Displays

Display/Trip



Use the up or down arrow buttons to choose between the following

display options.

Note: The cluster will remember the menu level 2 state when the individual key state is changed from the RUN position to the OFF position.

Display/Trip			
Menu level 2	Menu level 3	Menu level 4	Menu level 5
Speedometer	—	—	—
Engage Split Power + Avg Fuel Economy + Instantaneous Fuel Gauge + Fuel Gauge)	Help	—	—
Empower (Power with engine on/off threshold + Avg Fuel Economy + Instantaneous Fuel Gauge + Fuel Gauge)	Help	—	—
MyView (MyView + Fuel Gauge)	Change MyView	Average Fuel	Average Fuel
		Split Power	Instantaneous Fuel
		Power + Threshold	Coolant Temp.
		Tach rpm x1000	Accessory Power
		Accessory Power	Trip 1

Information Displays

Display/Trip			
		Trip 1	Trip 2
		Trip 2	Fuel History
		Fuel History	Coach
		Coach	Blank
		Blank	—
	Help	—	—
Tire Pressure	—	—	—
Trip 1 (Trip Data + Fuel Gauge) (+ Battery Gauge - Energi Only)	Help	—	—
Trip 2 (Trip Data + Fuel Gauge) (+ Battery Gauge - Energi Only)			

Information Displays

Engage

Engage provides separate gauges for engine power and high voltage battery power in kilowatts (kW). The engine power gauge fill is white and the high voltage battery power gauge fill is blue. You can also see an instantaneous fuel economy gauge. When your vehicle is operating on battery power only, you will see EV displayed and the gauges will appear in blue.

Note: Hold **OK** to reset average fuel economy.

Empower

Empower provides a power demand gauge in kilowatts (kW) which includes an engine on or off threshold.

- When your vehicle is operating with battery power only (below the threshold), you will see EV displayed and the gauge fill is blue.
- When your vehicle is operating with both the engine and the high voltage battery providing power the gauge fill is white.

- When power demand surpasses the amber indicator, this level of demand and associated fuel economy displays in amber.
- When the engine is on, reducing power demand to less than the threshold will allow the engine to turn off.

You can also see an instantaneous fuel economy gauge.

Note: Hold **OK** to reset average fuel economy.

MyView

You can choose what to display in this view. Selecting **Change MyView** in the options menu allows you to scroll through two columns of content choices.

- Press the up or down arrow to view content.
- Press **OK** to save your selected content
- You must select content in both columns before you can save your new MyView.

Unique content available in MyView:

- **Accessory Power**— Indicates electrical power demands from your vehicle's accessory systems. Accessories use power but do not contribute to propelling your vehicle. The gauge separately displays power demand in kilowatts (kW) for climate and other accessories. Climate includes the power being used by high voltage climate control components such as the electric A/C compressor. Other includes all power being used by the low voltage accessories (cabin fans, headlights and heated seats).
- **Coolant Temp** – Indicates engine coolant temperature. At normal operating temperature, the level indicator will be white and will be in the normal range (between H and C). If the engine coolant temperature exceeds the normal range, the level indicator will change to red to indicate that the engine is overheating. Stop your vehicle as soon as safely possible, turn your vehicle off and let the engine cool.

Information Displays

- Tach rpm x 1000 — When the gasoline engine is running, the tachometer gauge displays the engine speed in revolutions per minute (RPM). When your vehicle is operating on battery power only with the engine off, EV displays and the tachometer is greyed out.

Note: *The trip data, and average fuel economy cannot be reset in MyView.*

Trip 1 & 2

Provides trip odometer, trip average fuel economy and trip timer.

Distance traveled on battery power only with the engine off is shown in blue next to total trip distance.

Information



In this mode, you can view different vehicle system information and perform a system check.

Information		
Warnings	Tutorial	Displays a number of different system tutorials. Use the up or down arrows to scroll through the tutorials. Then press OK to view.
	MyKey	MyKeys (Number of MyKeys programmed)
		MyKey Miles (km) (Distance traveled using a programmed MyKey)
		Admin Keys (Number of admin keys)

Settings



In this mode, you can configure different driver setting choices.

Note: *Some items are optional and may not appear.*

Note: *Some MyKey items will only appear if a MyKey is set.*

Information Displays

Settings				
Menu level 2	Menu level 3	Menu level 4	Menu level 5	Menu level 6
Driver Assist	Traction Ctrl	On or Off	—	
	Grade Assist	On or Off	—	
	Drive Control	Sport, Normal or Comfort	—	
	Blindspot	On or Off	—	
	Cross Traffic	On or Off	—	
	Cruise Control	Adaptive or Normal	—	
	Driver Alert	On or Off	—	
	Lane Keeping Sys	Mode	Alert only, Aid only or Alert + Aid	
		Intensity	High, Normal or Low	
	Pre-Collision	Alert Sensitivity	High, Normal or Low	
		Active Braking	On or Off	
	Rear Park Aid	On or Off	—	
	Tire Monitor	Hold OK to Reset	—	
Vehicle	Auto Engine Off	On or Off	—	

Information Displays

Settings			
	Easy Entry / Exit	On or Off	—
	Lighting	Adaptive Headlamps	
		Auto Highbeam	On or Off
		Daytime Lights	On or Off
		Autolamp Delay	Select time interval
		Welcome Lighting	On or Off
	Locks	Autolock	On or Off
		Autounlock	On or Off
		Feedback	Audible On or Off
			Exterior Lights On or Off
		Mislock	On or Off
		Remote Unlocking	All doors or Driver door
	Mirrors	Autofold	On or Off
	Neutral Tow	Hold OK to Initialize	
	Oil Life Reset	Set to XXX % - Hold OK to Reset	
	Power Decklid	Enable or Disable Switch	

Information Displays

Settings					
	Remote Start	Climate Control	Heater – A/C		Auto or Last Settings
			Steering Wheel		Auto Heated or Off
			Front Defrost		Auto or Off
			Rear Defrost		Auto or Off
			Driver Seat		Auto or Off
			Passenger Seat		Auto or Off
		Duration		5, 10 or 15 minutes	
		Quiet Start		On or Off	
		System		Enable or Disable	
	Switch Inhibit	On or Off			
	Tire Mobility Kit	Select number of years			
	Windows	Remote Open	On or Off		
		Remote Close	On or Off		
	Wipers	Courtesy Wipe	On or Off		
		Rain Sensing	On or Off		
MyKey	Create MyKey	Hold OK to Create MyKey			

Information Displays

Settings			
	911 Assist	Always On or User Selectable	
	Advancetrac	Always On or User Selectable	
	Max Speed	Choose desired speed or off	
	Speed Minder	Choose desired speed or off	
	Volume Limiter	On or Off	
	Do Not Disturb	Always On or User Selectable	
	Clear MyKeys	Hold OK to Clear All MyKeys	
Display	Language	Select the desired language - Hold OK to Set	
	Units	Distance	Miles & GAL, l/100km or km/l
		Temperature	Fahrenheit (°F) or Celsius (°C)
		Tire Pressure	psi, kPa or bar
	Brake Coach	On or Off	
	Battery Display	On or Off	
	Regen Display	On or Off	
	Driving History	Hold OK to Reset	

Information Displays

Right Information Display Controls



E179397

Note: The information display will remember the menu level 2 state when you change the individual key state from the RUN to the OFF position.

Fuel Economy			
Menu level 2	Menu level 3	Menu level 4	Menu level 5
Efficiency Leaves	Flowers	—	—
	Help	—	—

- Press the up and down arrow buttons to scroll through and highlight the options within a menu.
- Press the right arrow button to enter a sub-menu.
- Press the left arrow button to exit a menu.
- Press the **OK** button to choose and confirm your selection.

Main menu

From the main menu bar on the right side of the information display, you can choose from the following categories:

Entertainment

See **General Information** (page 390).

Phone

See **General Information** (page 390).

Navigation or Compass

See **General Information** (page 390).

Fuel Economy

Use the up or down arrow buttons to choose between the following display options.

Information Displays

Fuel Economy			
Fuel History (Instantaneous Fuel Economy + Fuel Economy History + Avg Fuel Economy)	Duration	5, 10 or 30 minutes	—
	Help	—	—
Coach	Help	—	—

Efficiency Leaves

Efficiency leaves indicate short term driving efficiency measured over the last few minutes. The more leaves and vines that appear on the display, the better your fuel economy. Leaves and vines will occasionally appear and disappear to indicate a change in your driving efficiency.

Flowers appear on the efficiency leaves screen in addition to the leaves and vines. The flowers indicate long term driving efficiency. The more flowers that appear on the display, the more efficiently you have driven. Once earned, the flowers will remain unless reset, unlike the leaves, which come and go as your short term fuel economy changes.

Flowers can be reset in the information displays settings menu under Driving History. See **General Information** (page 110).

Fuel History

From left to right this view includes an instantaneous fuel economy gauge, historical fuel economy data and average fuel economy. The historical data represents an average over time intervals of either 1, 2 or 6 minutes, with the leftmost interval being the most recent. Shown at the bottom of the view is the total time duration for the 5 intervals. You can select total duration in the options menu. Intervals shown in grey color are from the previous drive. The blue horizontal line represents the average fuel economy value shown to the right.

Note: Hold **OK** to reset fuel history and average fuel economy.

Coach

This view provides a comparison of your recent acceleration, braking and cruising behavior, then recommends the most efficient use of energy under present conditions. The horizontal bars fill from left to right with best behavior and appear blue when at least half full. When the bars are less than half full, the color is amber, suggesting that you need a change in your driving behavior to achieve better energy efficiency.

Note: Fuel Economy will be impacted by your use of brakes, accelerator and accessories, as well as environmental conditions such as hills and weather.

Information Displays

Note: Fuel economy is not always a measure of appropriate driving behavior. For example, when driving uphill and maintaining an appropriate speed, your instant fuel economy may not be good (losing leaves) but the Coach may show a blue bar for Acceleration and Cruising.

Common Displays

Both Average fuel economy and an instantaneous fuel economy gauge are included in Engage, Empower and MyView (if selected) on the left information display. They are also included in Fuel History on the right information display.

Average Fuel Economy

Average Fuel Economy is continuously averaged since the last reset. You can reset your average fuel economy by pressing and holding the **OK** button on the corresponding steering wheel controls.

Note: Average fuel economy cannot be reset in MyView.

Instantaneous Fuel Economy

If your instantaneous fuel economy is greater than the maximum value displayed, a + sign will be shown next to the maximum scale number. When your vehicle is operating on battery power only, EV will display and the gauge fill will show in blue.

INFORMATION MESSAGES

Depending on your vehicle options and instrument cluster type, not all messages display or are available.

Note: Certain messages may be abbreviated or shortened depending upon which cluster type you have.



E145981

Press the **OK** button to acknowledge and remove some messages from the information display. Other messages will be removed automatically after a short time.

Certain messages need to be confirmed before you can access the menus.

Information Displays

Active Park

Message	Action
Active Park Fault	Displayed when the system needs service. Contact your authorized dealer as soon as possible.

Adaptive Cruise Control

Message	Action
Adaptive Cruise Malfunction	Displayed when a radar malfunction is preventing the ACC from engaging. See Using Adaptive Cruise Control (page 227).
Adaptive Cruise Not Available	Displayed when conditions exist such that the adaptive cruise cannot function properly. See Using Adaptive Cruise Control (page 227).
Adaptive Cruise Not Available Sensor Blocked See Manual	Displayed when the radar is blocked because of poor radar visibility due to bad weather or ice/mud/water in front of radar. Driver can typically clean the sensor to resolve. See Using Adaptive Cruise Control (page 227).
Normal Cruise Active Automatic Braking Turned Off	Displayed when the automatic braking has been disabled.
Front Sensor Not Aligned	Displayed when a radar malfunction is preventing the ACC from engaging.

Information Displays

Message	Action
Adaptive Cruise - Driver Resume Control	Displayed when the adaptive cruise has reinstated controls to the driver.
Adaptive Cruise Speed Too Low to Activate	Displays when the vehicle speed is too slow to activate the adaptive cruise.
Adaptive Cruise Shift Down	Displays when the vehicle speed is getting too low for adaptive cruise.

Adaptive Headlamps

Message	Action
Check Headlamp System See Manual	Displays when a fault with the system has occurred. Contact an authorized dealer as soon as possible.

AdvanceTrac™

Message	Action
Service AdvanceTrac	Displayed when the system has detected a condition that requires service. Contact your authorized dealer as soon as possible.
AdvanceTrac Off On	Displayed when the traction control has been disabled or enabled by the driver.

Information Displays

Airbag

Message	Action
Occupant Sensor BLOCKED Remove Objects Near Passenger Seat	Displays when the system detects a malfunction due to a blocked sensor.

Alarm

Message	Action
Vehicle Alarm To Stop Alarm, Start Vehicle.	Displays when the alarm has been triggered due to unauthorized entry. See Anti-Theft Alarm (page 78).

Automatic Engine Shutdown

Message	Action
Engine Shuts Off In {seconds to shut off:#0} Seconds	Displays when the engine is getting ready to shut off.
Engine Shut Off For Fuel Economy	Displays when the engine has shut off to help increase fuel economy.
Engine Shuts Off in {seconds to shut off:#0} Seconds Press Ok to Override	Displays when the engine is getting ready to shut off. You can press OK on the left steering wheel button to override the shut down.

Information Displays

Battery and Charging System (12 volt)

Message	Action
Check Charging System	Displayed when the charging system needs servicing. If the warning stays on or continues to come on, contact your authorized dealer as soon as possible.
Low Battery Features Temporarily Turned Off	Displayed when the battery management system detects an extended low-voltage condition. Various vehicle features will be disabled to help preserve the battery. Turn off as many of the electrical loads as soon as possible to improve system voltage. If the system voltage has recovered, the disabled features will operate again as normal
Battery State of Charge Low	The battery management system determines that the 12V battery is at a low state of charge. Start the engine to charge the battery or charge the battery using an aftermarket battery charger. This message clears once you restart your vehicle and the battery state of charge has recovered.
Turn Power Off To Save Battery	The battery management system determines that the battery is at a low state of charge. Turn the ignition off as soon as possible to protect the battery. This message will clear once the vehicle has been started and the battery state of charge has recovered. Turning off unnecessary electrical loads will allow faster battery state-of-charge recovery.

Battery and Charging System (High Voltage)

Message	Action
Ready to Drive	Displays when the vehicle is ready to drive.

Information Displays

Blind Spot Information and Cross Traffic Alert System

Message	Action
Blindspot System Fault	Displayed when a fault with the system has occurred. Contact your authorized dealer as soon as possible.
Blindspot Not Available Sensor Blocked See Manual	Displayed when the system sensors are blocked. Contact your authorized dealer as soon as possible. See Blind Spot Information System (page 242).
Cross Traffic Vehicle Coming From X	Displayed when the system detects a vehicle. See Blind Spot Information System (page 242).
Cross Traffic Not Available Sensor Blocked See Manual	Displayed when the system sensors are blocked. See Blind Spot Information System (page 242).
Cross Traffic System Fault	Displays when a fault with the system has occurred. Contact your authorized dealer as soon as possible.

Doors and Locks

Message	Action
X Door Ajar	Displays when the door(s) listed is not completely closed and the vehicle is moving.
	Displays when the door(s) listed is not completely closed.
Trunk Ajar	Displays when the luggage compartment is not completely closed.
Hood Ajar	Displays when the hood is not completely closed.

Information Displays

Message	Action
Switches Inhibited Security Mode	Displays when the door switches have been disabled.
Child Lock Malfunction Service Required	Displays when there is a system malfunction with the child locks. Contact your authorized dealer as soon as possible.
Factory Keypad Code [X X X X X]	Displays the factory keypad code after the keypad has been reset. See Keyless Entry (page 73).

Driver Alert

Message	Action
Driver Alert Warning Rest Now	Stop and rest as soon as it is safe to do so.
Driver Alert Warning Rest Suggested	Take a rest soon.

Fuel

Message	Action
Fuel Level Low	Displayed as an early reminder of a low fuel condition.
Check Fuel Fill Inlet	Displayed when the fuel fill inlet may not be properly closed.
Fuel Door Opening	Wait for up to 15 seconds while the fuel system depressurizes.

Information Displays

Message	Action
Fuel Door Open	The fuel system has finished depressurizing and you can begin to refuel.
Close Fuel Door	A reminder to close the fuel door.
Refuel Error See Manual	There is an error in attempting to refill your vehicle.

Hill Start Assist

Message	Action
Hill Start Assist Not Available	Displays when hill start assist is not available. Contact your authorized dealer.

Keys and Intelligent Access

Message	Action
To START Press Brake	A reminder to press the brake while starting your vehicle.
No Key Detected	The system does not detect a key in your vehicle. See Keyless Starting (page 167).
Restart Now or Key is Needed	You pressed the start/stop button to switch off the engine and your vehicle does not detect your intelligent access key inside your vehicle.
Run Power Active	Your vehicle is in the run ignition state.
Starting System Fault	There is a problem with your vehicle's starting system. Contact an authorized dealer for service.

Information Displays

Message	Action
Key Program Successful	You have successfully programmed an intelligent access key to the system.
Key Program Failure	You have failed to program an intelligent access key to the system.
Max Number of Keys Learned	You have programmed the maximum number of keys to the system.
Not Enough Keys Learned	You have not programmed enough keys to the system.
Key Battery Low Replace Soon	The key battery is low. Change the battery as soon as possible.
Could Not Program Integrated Key	An attempt is made to program a spare key using two existing keys.
Vehicle is ON	A reminder that you are exiting your vehicle and the engine is on.

Information Displays

Lane Keeping System

Message	Action
Lane Keeping Sys. Malfunction Service Required	The system has malfunctioned. Contact your authorized dealer as soon as possible.
Front Camera Temporarily Not Available	The system has detected a condition that has caused the system to be temporarily unavailable.
Front Camera Low Visibility Clean Screen	The system has detected a condition that requires the windshield to be cleaned to operate properly.
Front Camera Malfunction Service Required	The system has malfunctioned. Contact your authorized dealer as soon as possible.
Keep Hands on Steering Wheel	Displayed when the system requests the driver to keep their hands on the steering wheel.

Maintenance

Message	Action
Low Engine Oil Pressure	Stop the vehicle as soon as safely possible, turn off the engine. Check the oil level. If the warning stays on or continues to come on with your engine running, contact your authorized dealer as soon as possible.
Change Engine Oil Soon	Displayed when the engine oil life remaining is 10% or less.
Oil Change Required	Displayed when the oil life left reaches 0%.

Information Displays

Message	Action
Brake Fluid Level Low	Indicates the brake fluid level is low and the brake system should be inspected immediately. See Brake Fluid Check (page 311).
Check Brake System	Displays when the brake system needs servicing. Stop the vehicle in a safe place. Contact your authorized dealer.
Engine Coolant Over Temperature	Displays when the engine coolant temperature is excessively high. Stop the vehicle in a safe place and contact your authorized dealer.
Motor Coolant Over Temperature	Displays when the motor electronics are overheating. Stop the vehicle as soon as safely possible, turn off the vehicle and let it cool. If the warning stays on or continues to come on, contact your authorized dealer as soon as possible.
Washer Fluid Level Low	Displays when the washer fluid is low and needs to be refilled.
Power Reduced to Lower Engine Temp	Displays when the engine has reduced power in order to help reduce high coolant temperatures.
Service Tire Mobility Kit	Displayed when the kit needs service. See your authorized dealer.
Transport / Factory Mode	Displays to indicate that the vehicle is still in Transport or Factory mode. This may not allow some features to operate properly. See your authorized dealer.
See Manual	Informs the driver that the powertrain needs service due to a powertrain malfunction.

Information Displays

MyKey

Message	Action
MyKey not Created	Displayed during key programming when MyKey cannot be programmed.
MyKey Active Drive Safely	Displays when MyKey is active.
Speed Limited to XX MPH/km/h	Displays when starting the vehicle and MyKey is in use and the MyKey speed limit is on.
Near Vehicle Top Speed	Displays when a MyKey is in use and the MyKey speed limit is on and the vehicle speed is approaching 80 mph (130 km/h).
Vehicle at Top Speed of MyKey Setting	Displays when a MyKey is in use and the MyKey speed limit is reached.
Check Speed Drive Safely	Displays when MyKey is active.
Buckle Up to Unmute Audio	Displays when a MyKey is in use and seatbelt reminder is activated.
AdvanceTrac On - MyKey Setting	Displays when a MyKey is in use and AdvanceTrac is activated.
Traction Control On - MyKey Setting	Displays when a MyKey is in use and Traction control is activated.
MyKey Park Aid Cannot be Deactivated	Displays when a MyKey is in use and park aid is activated.
Lane Keeping Alert On MyKey Setting	Displayed when the lane keeping aid is on per MyKey settings.

Information Displays

Park Aid

Message	Action
Check Front Park Aid	Displays when the system has detected a condition that requires service. Contact your authorized dealer. See Principle of Operation (page 208).
Check Rear Park Aid	Displays when the system has detected a condition that requires service. Contact your authorized dealer. See Principle of Operation (page 208).
Front Park Aid On Off	Displays the park aid status.
Rear Park Aid On Off	Displays the park aid status.

Park Brake

Message	Action
To Release: Press Brake and Switch	The electric parking brake is set and a manual release is attempted without the brake pedal being pressed.
Park Brake Use Switch to Release	The electric parking brake is set and an automatic release is attempted but cannot be performed. Perform a manual release.
Release Park Brake	The electric parking brake is set and your vehicle speed exceeds 3 mph (5 km/h). Release park brake before continued driving.
Park Brake Not Applied	The electric parking brake is not fully applied.

Information Displays

Message	Action
Park Brake Not Released	The electric parking brake is not fully released.
Park Brake Maintenance Mode	The electric parking brake system has been put into a special mode that is used to allow service of the rear brakes. Contact an authorized dealer.
Park Brake Limited Function Service Required	The electric park brake system has detected a condition that requires service. Some functionality may still be available. See an authorized dealer.
Park Brake Malfunction Service Now	The electric parking brake system has detected a condition that requires service. See an authorized dealer.
Park Brake System Overheated	Numerous park brake applies have overheated the system. Wait 2 minutes before attempting to apply again.

Power Steering

Message	Action
Steering Fault Service Now	The power steering system has detected a condition that requires service. See your authorized dealer.
Steering Loss Stop Safely	The power steering system is not working. Stop the vehicle in a safe place. Contact your authorized dealer.
Steering Assist Fault Service Required	The power steering system has detected a condition within the power steering system or passive entry or passive start system requires service. Contact your authorized dealer.

Information Displays

Pre-Collision Assist

Message	Action
Pre-Collision Assist Malfunction	Displayed when there is a system malfunction with the collision warning system. The system will be disabled. Contact your authorized dealer as soon as possible.
Pre-Collision Assist Not Available Sensor Blocked	Displayed when the collision warning system radar is blocked because of poor radar visibility due to bad weather or ice/mud/water in front of the radar. Driver can typically clean the sensor to resolve. Contact your authorized dealer as soon as possible.
Pre-Collision Assist Not Available	Displayed when there is a system malfunction with the collision warning system. The system will be disabled. Contact your authorized dealer as soon as possible.

Remote Start

Message	Action
To Drive: Turn Key to On	Displays as a reminder to turn the key on to drive the vehicle after a remote start.
To Drive: Press Brake and Gear Shift Button	Displays as a reminder to apply the brake and the gear shift button to drive the vehicle after a remote start.

Information Displays

Seats

Message	Action
Memory Recall Not Permitted While Driving	Displays as a reminder that memory seats are not available while driving.
Memory {0} Saved	Displays to show where your memory setting has been saved.

Starting System

Message	Action
To START Press Brake	Displays when starting the vehicle as a reminder to apply the brake.
Cranking Time Exceeded	Displays when the starter has exceeded its cranking time in attempting to start the vehicle.
Engine Start Pending Please Wait	Displays when the starter is attempting to start the vehicle.
Pending Start Cancelled	Displays when the pending start has been cancelled.

Information Displays

Tire Pressure Monitoring System

Message	Action
Tire Pressure Low	Displays when one or more tires on your vehicle have low tire pressure. See Tire Pressure Monitoring System (page 351).
Tire Pressure Monitor Fault	Displays when the tire pressure monitoring system is malfunctioning. If the warning stays on or continues to come on, contact your authorized dealer. See Tire Pressure Monitoring System (page 351).
Tire Pressure Sensor Fault	Displayed when a tire pressure sensor is malfunctioning, or your spare tire is in use. For more information on how the system operates under these conditions, See Tire Pressure Monitoring System (page 351). If the warning stays on or continues to come on, contact your authorized dealer as soon as possible.

Traction Control

Message	Action
Traction Control Off / On	Displays when the traction control system has been switched off or on. See Using Traction Control (page 204).
Spinout Detected Hazards Activated	Displays when a spinout has occurred and your vehicle has activated the hazard warning flashers.

Information Displays

Transmission

Message	Action
Transmission Malfunction Service Now	See your authorized dealer.
Transmission Over Temperature Stop Safely	The transmission is overheating and needs to cool. Stop in a safe place as soon as it's possible.
Transmission Overheating Stop Safely	The transmission has overheated and needs to cool. Stop in a safe place as soon as it's possible.
Transmission Service Required	See your authorized dealer.
Transmission Too Hot Press Brake	Transmission is getting hot. Stop to let it cool.
Transmission Limited Function See Manual	The transmission has limited functionality. See an authorized dealer.
Transmission Warming Up Please Wait	Transmission is too cold. Wait for it to warm up before you drive.
Transmission Not in Park	A reminder to shift into park. In addition, this message is typical after reconnecting or recharging the battery until you cycle the ignition to the on mode. See Changing the 12V Battery (page 312).
Transmission Adjusted	Displays when the transmission has adjusted the shift strategy.
Transmission AdaptMode	Displays when the transmission is adjusting the shift strategy.
Transmission IndicatMode Lockup On	Displays when the transmission shift lever is locked and unable to select gears.
Transmission IndicatMode Lockup Off	Displays when the transmission shift lever is unlocked and free to select gears.
Invalid Gear Selection	Displays when an invalid gear has been selected.

Information Displays

Message	Action
Press Brake Pedal	Displays to request the operator to apply the brake as needed by the transmission.
Depress Brake to Shift from Park	Displays when the brake pedal needs to be depressed to enable the transmission to shift from park.
Press N again to Enter Stay in Neutral Mode	Displays when the neutral button N needs to be pressed again to enter neutral hold. See Automatic Transmission (page 193).
Stay in Neutral Mode Engaged	Displays when neutral hold is active. See Automatic Transmission (page 193).
Stay in Neutral Tow Engaged See Manual to Disable	Displays when neutral hold is active. See General Information (page 110).
SHIFT SYS FAULT Confirm Park Brake Apply Before Exiting the Vehicle	Displays when there is a system fault and the park brake needs to be depressed before exiting the vehicle. See your authorized dealer.
SHIFT SYS FAULT Cannot Shift Trans Use Park Brake to Secure Vehicle	Displays when there is a system fault and the park brake needs to be depressed before exiting the vehicle. See your authorized dealer.
SHIFT SYS FAULT Service Required	See your authorized dealer.
SHIFT SYS FAULT Vehicle is Shifting to Park	Displays when there is a system fault while the vehicle is shifting to park. See your authorized dealer.
SHIFT SYS FAULT Reverse Unavailable Service Required	Displays when there is a system fault while the vehicle is shifting to reverse. See your authorized dealer.
SHIFT SYS FAULT Drive Unavailable Select L for Drive Service Required	See your authorized dealer.

Information Displays

Message	Action
SHIFT SYS FAULT Neutral Unavailable Service Required	See your authorized dealer.
SHIFT SYS FAULT Low Unavailable Service Required	See your authorized dealer.
Neutral Tow Engaged Turn Ignition Off for Towing	Displays when neutral tow is active and the ignition needs to be turned off. See Towing the Vehicle on Four Wheels (page 261).
Neutral Tow Engaged Depress Brake and Select Park to Exit Neutral Tow	Displays while attempting to exit neutral tow. The brake pedal needs to be depressed and park button selected to deactivate. See Towing the Vehicle on Four Wheels (page 261).
Neutral Tow Remove Park Brake for Towing	Displays when neutral tow is active and the park brake needs to be released. See Towing the Vehicle on Four Wheels (page 261).
Neutral Tow Disengaged	Displays when neutral tow has been deactivated.

Climate Control

AUTOMATIC CLIMATE CONTROL



E287753

Note: Depending on your vehicle option package, the controls may look different from what you see here.

Note: You can switch temperature units between Fahrenheit and Celsius.

Directing Air to the Instrument Panel Air Vents



Press and release the button to direct airflow to instrument panel air vents.

Directing Air to the Footwell Air Vents



Press and release the button to direct airflow to footwell air vents.

Setting the Blower Motor Speed



Turn the control to adjust the volume of air circulated in the vehicle.

Setting the Temperature

Press the toggle button on the left-hand side of the climate control upward or downward to set the left-hand temperature.

Note: This control also adjusts the right-hand side temperature when you switch off dual zone mode.

Press the toggle button on the right-hand side of the climate control upward or downward to set the right-hand temperature.

Switching Auto Mode On and Off



Press and release the button to switch on automatic operation. Repeatedly press the button to adjust auto mode.

The system adjusts the blower motor speed, air distribution, air conditioning operation, and outside or recirculated air to reach and maintain the temperature you have set.

Note: The system starts at the previous setting when you switch on **AUTO** mode.

Note: You can also switch off dual zone mode by pressing and holding the button for more than two seconds.

Climate Control

Auto Mode Indicator Status

Auto Mode Indicator Status	Description
One indicator illuminated.	<ul style="list-style-type: none">The blower motor speed is reduced.<ul style="list-style-type: none">Use this setting to minimize the amount of noise from the blower motor.This setting increases the time taken to cool the interior.
Two indicators illuminated.	<ul style="list-style-type: none">The blower motor speed is moderate.
Three indicators illuminated.	<ul style="list-style-type: none">The blower motor speed is increased.<ul style="list-style-type: none">This setting increases the amount of noise from the blower motor.Use this setting to reduce the time taken to cool the interior.

Switching Defrost On and Off



Press and release the button to distribute air through the windshield air vents and de-mister.

Air directed to the instrument panel and footwell air vents turns off. You can also use this setting to defog and clear the windshield of a thin covering of ice.

Switching the Air Conditioning On and Off



Press and release the button.

Use air conditioning with recirculated air to improve cooling performance and efficiency.

Note: In certain conditions, for example, maximum defrost, the air conditioning compressor may continue to operate even though you switch off the air conditioning.

Switching the Climate Control On and Off



Press and release the button.

Climate Control

Switching Dual Zone Mode On and Off



Press and release the button to switch on temperature control for the right-hand side of the vehicle.

Switching Maximum Air Conditioning On and Off



Press and release the button for maximum cooling.

The left-hand and right-hand settings set to LO, recirculated air flows through the instrument panel air vents, air conditioning turns on and the blower motor adjusts to the highest speed.

Switching Maximum Defrost On and Off



Press and release the button for maximum defrosting.

The left-hand and right-hand settings set to HI, air flows through the windshield air vents, and the blower motor adjusts to the highest speed.

You can also use this setting to defog and clear the windshield of a thin covering of ice.

Note: *To prevent window fogging, you cannot select recirculated air when maximum defrost is on.*

Note: *The heated rear window also turns on when you select maximum defrost.*

Switching Recirculated Air On and Off



Press and release the button to switch between outside air and recirculated air.

The air currently in the passenger compartment recirculates. This may reduce the time needed to cool the interior, when used with **A/C**, and reduce unwanted odors from entering your vehicle.

Note: *Recirculated air may turn off, or prevent you from switching on, in all air flow modes except **MAX A/C** to reduce the risk of fogging. Recirculation may also turn on and off in various air distribution control combinations during hot weather to improve cooling efficiency.*

HINTS ON CONTROLLING THE INTERIOR CLIMATE

General Hints

Note: *Prolonged use of recirculated air may cause the windows to fog up.*

Note: *You may feel a small amount of air from the footwell air vents regardless of the air distribution setting.*

Note: *To reduce humidity build-up inside your vehicle, do not drive with the system switched off or with recirculated air always switched on.*

Note: *Do not place objects under the front seats as this may interfere with the airflow to the rear seats.*

Note: *Remove any snow, ice or leaves from the air intake area at the base of the windshield.*

Note: *To improve the time to reach a comfortable temperature in hot weather, drive with the windows open until you feel cold air through the air vents.*

Climate Control

Automatic Climate Control

Note: *Adjusting the settings when your vehicle interior is extremely hot or cold is not necessary. Automatic mode is best recommended to maintain set temperature.*

Note: *The system adjusts to heat or cool the interior to the temperature you select as quickly as possible.*

Note: *For the system to function efficiently, the instrument panel and side air vents should be fully open.*

Note: *If you select **AUTO** during cold outside temperatures, the system directs air flow to the windshield and side window air vents. In addition, the blower motor may run at a slower speed until the engine warms up.*

Note: *If you select **AUTO** during hot temperatures and the inside of the vehicle is hot, the system uses recirculated air to maximize interior cooling. Blower motor speed may also reduce until the air cools.*

Quickly Heating the Interior

1. Press and release **AUTO**.

2. Adjust the temperature function to the setting you prefer.

Recommended Settings for Heating

1. Press and release **AUTO**.
2. Adjust the temperature function to the setting you prefer. Use 72°F (22°C) as a starting point, then adjust the setting as necessary.

Quickly Cooling the Interior

1. Press and release **MAX A/C**.

Recommended Settings for Cooling

1. Press and release **AUTO**.
2. Adjust the temperature function to the setting you prefer. Use 72°F (22°C) as a starting point, then adjust the setting as necessary.

Defogging the Side Windows in Cold Weather

1. Press and release defrost or maximum defrost.

2. Adjust the temperature control to the setting you prefer. Use 72°F (22°C) as a starting point, then adjust the setting as necessary.

HEATED REAR WINDOW



Press the button to clear the rear window of thin ice and fog. The heated rear window turns off after a short period of time.

Note: *Do not use harsh chemicals, razor blades or other sharp objects to clean or remove decals from the inside of the heated rear window. The vehicle warranty may not cover damage to the heated rear window grid lines.*

HEATED EXTERIOR MIRRORS

When you switch the heated rear window on, the heated exterior mirrors turn on.

Note: *Do not remove ice from the mirrors with a scraper or adjust the mirror glass when it is frozen in place.*

Climate Control

Note: Do not clean the mirror housing or glass with harsh abrasives, fuel or other petroleum-based cleaning products. The vehicle warranty may not cover damage caused to the mirror housing or glass.

CABIN AIR FILTER

Your vehicle is equipped with a cabin air filter, which gives you and your passengers the following benefits:

- It improves your driving comfort by reducing particle and odor concentration.
- It improves the interior compartment cleanliness.
- It protects the climate control components from particle deposits.

You can locate the cabin air filter behind the glove box.

Note: Make sure you have a cabin air filter installed at all times. This prevents foreign objects from entering the system. Running the system without a filter in place could result in degradation or damage to the system.

Replace the filter at regular intervals. See **Scheduled Maintenance** (page 462).

For additional cabin air filter information, or to replace the filter, see a qualified technician.

REMOTE START

You can switch this feature on or off and adjust the settings using the information display controls. See **Information Displays** (page 110).

The climate control system adjusts the interior temperature during remote start.

You cannot adjust the climate control setting during remote start operation. Switch the ignition on to make adjustments.

Based on your remote start settings, the following vehicle-dependent features may or may not remain on after remote starting your vehicle:

- Climate controlled seats.
- Heated steering wheel.
- Heated mirrors.

- Heated rear window.
- Windshield wiper de-icer.

Note: For dual zone climate controlled seats, the passenger seat setting defaults to match the driver seat during remote start.

Automatic Settings

If **Auto** is on, the system sets the interior temperature to 72°F (22°C) and heats or cools the vehicle interior as required to achieve comfort.

Note: In cold weather, the heated rear window and heated mirrors turn on.

Last Settings

If **Last Settings** is on, the system uses the settings last selected before you turned off the vehicle.

Heated and Cooled Features

In **Auto** mode, certain heated features may switch on during cold weather, and cooled features during hot weather.

Seats

SITTING IN THE CORRECT POSITION



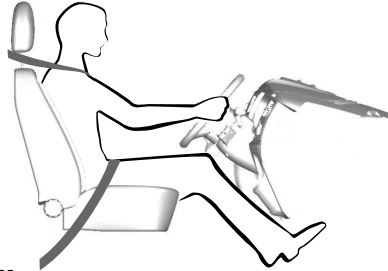
WARNING: Sitting improperly, out of position or with the seatback reclined too far can take weight off the seat cushion and affect the decision of the passenger sensing system, resulting in serious injury or death in the event of a crash. Always sit upright against your seat back, with your feet on the floor.



WARNING: Do not recline the seatback too far as this can cause the occupant to slide under the seatbelt, resulting in serious injury in the event of a collision.



WARNING: Do not place objects higher than the top of the seat backrest. Failure to follow this instruction could result in personal injury or death in the event of a sudden stop or crash.



E68595

When you use them properly, the seat, head restraint, seatbelt and airbags will provide optimum protection in the event of a crash.

We recommend that you follow these guidelines:

- Sit in an upright position with the base of your spine as far back as possible.
- Do not recline the seat backrest so that your torso is more than 30° from the upright position.

- Adjust the head restraint so that the top of it is level with the top of your head and as far forward as possible. Make sure that you remain comfortable.
- Keep sufficient distance between yourself and the steering wheel. We recommend a minimum of 10 in (25 cm) between your breastbone and the airbag cover.
- Hold the steering wheel with your arms slightly bent.
- Bend your legs slightly so that you can press the pedals fully.
- Position the shoulder strap of the seatbelt over the center of your shoulder and position the lap strap tightly across your hips.

Make sure that your driving position is comfortable and that you can maintain full control of your vehicle.

Seats

HEAD RESTRAINTS



WARNING: Fully adjust the head restraint before you sit in or operate your vehicle. This will help minimize the risk of neck injury in the event of a crash. Do not adjust the head restraint when your vehicle is moving.



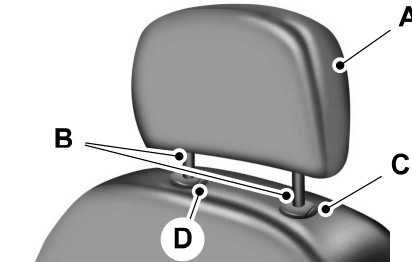
WARNING: The adjustable head restraint is a safety device. Whenever possible, it should be installed and properly adjusted when the seat is occupied. Failure to adjust the head restraint properly could reduce its effectiveness during certain impacts.



WARNING: Install the head restraint properly to help minimize the risk of neck injury in the event of a crash.

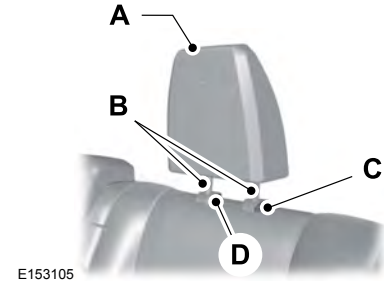
Note: Adjust the seatback to an upright driving position before adjusting the head restraint. Adjust the head restraint so that the top of it is level with the top of your head and as far forward as possible. Make sure that you remain comfortable. If you are extremely tall, adjust the head restraint to its highest position.

Front seat head restraint



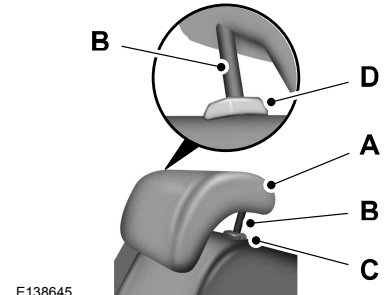
E138642

Rear seat outboard head restraints



E153105

Rear center head restraint



E138645

Seats

The head restraints consist of:

- A an energy absorbing head restraint
- B two steel stems
- C guide sleeve adjust and unlock button
- D guide sleeve unlock and remove button

Adjusting the Head Restraint

Raising the Head Restraint

Pull the head restraint up.

Lowering the Head Restraint

1. Press and hold button C.
2. Push the head restraint down.

Removing the Head Restraint

1. Pull the head restraint up until it reaches its highest position.
2. Press and hold buttons C and D.
3. Pull the head restraint up.

Installing the Head Restraint

Align the steel stems into the guide sleeves and push the head restraint down until it locks.

Tilting Head Restraints

The front head restraints have a tilting feature for extra comfort. To tilt the head restraint, do the following:



E144727

1. Adjust the seatback to an upright driving or riding position.
2. Pivot the head restraint forward toward your head to the desired position.

After the head restraint reaches the forward-most tilt position, pivoting it forward again will then release it to the rearward, untilted position.

POWER SEATS

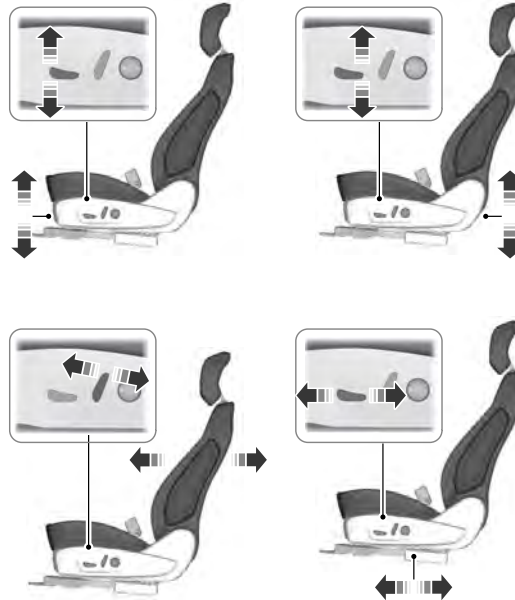


WARNING: Do not adjust the driver seat or seat backrest when your vehicle is moving. This may result in sudden seat movement, causing the loss of control of your vehicle.



WARNING: Do not place cargo or any objects behind the seatback before returning it to the original position.

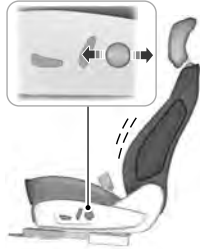
Seats



E144632

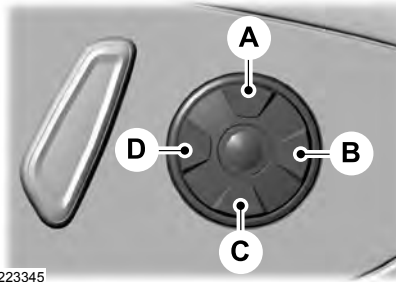
Seats

Adjusting the Lumbar Support



E165608

Adjusting the Four-Way Lumbar Support (If Equipped)



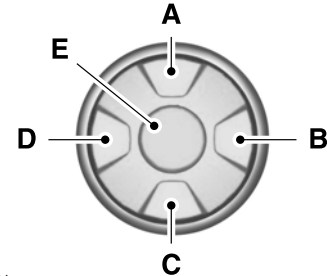
E223345

- A Press to increase upper lumbar only.
- B Press to decrease upper and lower lumbar.
- C Press to increase lower lumbar only.
- D Press to increase upper and lower lumbar.

Adjusting the Multi-Contour Front Seats With Active Motion (If Equipped)

Note: The engine must be running or the vehicle must be in accessory mode to activate the seats.

Note: Allow a few seconds for any selection to activate. The seat backrest and cushion massage cannot function at the same time.



E156301

Seats

	Message Mode	Lumbar and Bolster Mode
A	Back message intensity adjustment	Upper lumbar
B	Message intensity decrease and off	Lumbar decrease
C	Cushion message intensity adjustment	Lower lumbar**
D	Message intensity increase	Lumbar increase
E	On and off	-

The message feature defaults to an alternating message mode with back message intensity adjustment. The lumbar and bolster features default to the middle lumbar mode.

** Press C a second time to adjust the back bolster. Press C a third time to adjust the cushion bolster.

You can also adjust this feature through the touchscreen.



Press the Menu Settings icon, then Vehicle. Choose Multi-Contour Seats.

When switched on, the system displays directions for you to adjust the lumbar settings in your seat or to set the message function.

To access and make adjustments to the lumbar setting:

1. Choose the desired seat to adjust.
2. Press the + or - to adjust the lumbar intensity.

To access and make adjustments to the message setting:

1. Press the Menu Settings icon, then Vehicle. Choose Multi-Contour Seats.
2. Choose the desired seat to adjust.
3. Press OFF, LO or HI.

Seats

MEMORY FUNCTION



WARNING: Before activating the memory seat, make sure that the area immediately surrounding the seat is clear of obstructions and that all occupants are clear of moving parts.



WARNING: Do not use the memory function when your vehicle is moving.

This feature automatically recalls the position of the following features:

- Driver seat.
- Power mirrors.
- Power steering column.

The memory control is on the driver door.



E223340

Saving a PreSet Position

1. Adjust the memory features to your desired position.
2. Press the SET button until you hear a single tone.
3. Press the desired preset button until you hear a single tone.

You can save up to two preset memory positions. You can save a memory preset at any time.

Recalling a PreSet Position

Press and release the preset button associated with your desired driving position. The memory features move to the position stored for that preset.

Note: You can only recall a preset memory position when you switch the ignition off, or when the transmission is in park (P) or neutral (N) if the ignition is on and the vehicle is not moving.

You can also recall a preset memory position by:

- Pressing the unlock button on your intelligent access key fob if it is linked to a preset position.
- Unlocking the intelligent driver door handle if a linked key fob is present.

Note: Using a linked key fob to recall your memory position when the ignition is off moves the seat to the Easy Entry position.

Note: Pressing any active memory feature control - power seat, mirror, or steering column (or any memory button) during a memory recall cancels the operation.

Seats

Linking a PreSet Position to your Remote Control or Intelligent Access Key Fob

Your vehicle can save the preset memory positions for up to two remote controls or intelligent access (IA) keys.

After you have saved your desired memory preset positions:

1. Press and hold the desired preset button for about three seconds until you hear a single tone.
2. Within three seconds, press the lock button on the remote control you are linking.

To unlink a remote control, follow the same procedure – except in step 2, press the unlock button on the remote control.

Note: If more than one linked remote control or intelligent access key is in range, the memory function moves to the settings of the first key to initiate a memory recall.

Easy Entry and Exit Feature

If you enable the easy entry and exit feature, it automatically moves the driver seat position rearward up to 2 in (5 cm) when you switch the ignition off.

The driver seat returns to the previous position when you switch the ignition on.

You can enable or disable this feature in the information display. See **General Information** (page 110).

REAR SEATS

Note: Your vehicle may have split seatbacks that you must fold individually.

Note: Make sure the center safety belt is unbuckled before folding the seatback.

To lower the seat back(s) from inside the vehicle, do the following:



E144634

1. Pull the handle to release the seatback.
2. Push the seatback forward.

Seats



E164098

3. Stow the safety belt in the stowage clip. This will prevent the safety belt from getting caught in the seat latch.

When raising the seat back(s), make sure you hear the seat latch into place.

HEATED SEATS (IF EQUIPPED)

Front Seats



WARNING: People who are unable to feel pain to their skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical conditions, must exercise care when using the heated seat. The heated seat may cause burns even at low temperatures, especially if used for long periods of time. Do not place anything on the seat that insulates against heat, such as a blanket or cushion. This may cause the heated seat to overheat. Do not puncture the seat with pins, needles or other pointed objects. This may damage the heating element which may cause the heated seat to overheat. An overheated seat may cause serious personal injury.

Do not do the following:

- Place heavy objects on the seat.
- Operate the heated seat if water or any other liquid spills on the seat. Allow the seat to dry thoroughly.
- Operate the heated seats unless the engine is running. Doing so can cause the battery to lose charge.



E146322

Press the heated seat symbol to cycle through the various heat settings and off. More indicator lights indicate warmer settings.

Seats

Rear Seats



WARNING: Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion, or other physical conditions, must exercise care when using the seat heater. The seat heater may cause burns even at low temperatures, especially if used for long periods of time. Do not place anything on the seat that insulates against heat, such as a blanket or cushion, because this may cause the seat heater to overheat. Do not puncture the seat with pins, needles, or other pointed objects because this may damage the heating element which may cause the seat heater to overheat. An overheated seat may cause serious personal injury.

Do not do the following:

- Place heavy objects on the seat.
- Operate the seat heater if water or any other liquid is spilled on the seat. Allow the seat to dry thoroughly.
- Operate the heated seats unless the engine is running. Doing so can cause the battery to lose charge.

The rear seat heat controls are located on the rear of the center console.



E146322

Press the heated seat symbol to cycle through the various heat settings and off. More indicator lights indicate warmer settings.

The heated seat module resets at every ignition run cycle. While the ignition is on, press the high or low heated seat switch to enable heating mode. When activated, they will turn off automatically when you turn the engine off.

CLIMATE CONTROLLED SEATS

Heated Seats



WARNING: People who are unable to feel pain to their skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical conditions, must exercise care when using the heated seat. The heated seat may cause burns even at low temperatures, especially if used for long periods of time. Do not place anything on the seat that insulates against heat, such as a blanket or cushion. This may cause the heated seat to overheat.

Seats

Do not puncture the seat with pins, needles or other pointed objects. This may damage the heating element which may cause the heated seat to overheat. An overheated seat may cause serious personal injury.

Do not do the following:

- Place heavy objects on the seat.
- Operate the heated seat if water or any other liquid spills on the seat. Allow the seat to dry thoroughly.
- Operate the heated seats unless the engine is running. Doing so can cause the battery to lose charge.



E146322

Touch the heated seat symbol to cycle through the various heat settings and off. More indicator lights indicate warmer settings.

Cooled Seats

The cooled seats will only function when the engine is running.



E146309

To operate the cooled seats:

Press the cooled seat symbol to cycle through the various cooling settings and off. More indicator lights indicate cooler settings.

If the engine falls below 350 RPM while the cooled seats are on, the feature will turn itself off. You will need to reactivate it.

Climate controlled seat air filter replacement

Your vehicle is equipped with lifetime air filters that are integrated with the seats. Regular maintenance or replacement is not needed.

Garage Door Opener

UNIVERSAL GARAGE DOOR OPENER

HomeLink Wireless Control System



WARNING: Do not use the system with any garage door opener that does not have the safety stop and reverse feature as required by U.S. Federal Safety Standards (this includes any garage door opener manufactured before April 1, 1982). A garage door opener which cannot detect an object, signaling the door to stop and reverse, does not meet current federal safety standards. Using a garage door opener without these features increases the risk of serious injury or death.

Note: Make sure that the garage door and security device are free from obstruction when you are programming. Do not program the system with the vehicle in the garage.

Note: Make sure you keep the original remote control transmitter for use in other vehicles as well as for future system programming.

Note: We recommend that upon the sale or lease termination of your vehicle, you erase the programmed function buttons for security reasons. See **Erasing the Function Button Codes**.

Note: You can program a maximum of three devices. To change or replace any of the three devices after it has been initially programmed, you must first erase the current settings. See **Erasing the Function Button Codes**.



E142657

The universal garage door opener replaces the common hand-held garage door opener with a three-button transmitter that is integrated into the driver's sun visor.

The system includes two primary features, a garage door opener and a platform for remote activation of devices within the home. As well as being programmed for garage doors, the system transmitter can be programmed to operate entry gate operators, security systems, entry door locks and home or office lighting.

Additional system information can be found online at www.homelink.com, www.youtube.com/HomeLinkGentex or by calling the toll-free help line on 1-800-355-3515.

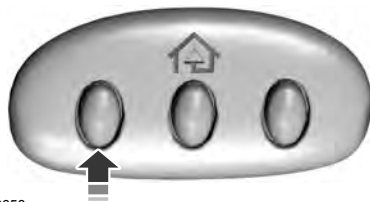
In-Vehicle Programming

This process is to program your hand-held transmitter and your in-vehicle HomeLink button.

Note: The programming steps below assume you will be programming HomeLink that was not previously programmed.

Note: Put a new battery in the hand-held transmitter. This will ensure quicker training and accurate transmission of the radio-frequency signal.

Garage Door Opener



E142658

1. With your vehicle parked outside of the garage, turn your ignition to the **on** position, but do not start your vehicle.
2. Hold your hand-held garage door transmitter 2–6 in (5–14 cm) away from the HomeLink button you want to program.
3. Using both hands, simultaneously, press and hold the desired HomeLink button and the hand-held transmitter button. DO NOT release either one until the HomeLink indicator light flashes slowly and then rapidly. When the indicator light flashes rapidly, both buttons may be released. The rapid flashing indicates successful training.

Note: You may need to use a different method if you live in Canada or have difficulties programming your gate operator or garage door opener. See **Gate Operator / Canadian Programming**.

4. Press and hold the HomeLink button you programmed for two seconds, then release. You may need to do this twice to activate the door. If your garage door does not operate, watch the HomeLink indicator light.

If the indicator light stays on, the programming is complete. No further action is needed.

If the indicator light flashes rapidly for 2 seconds and then turns to a constant light, the HomeLink button is not programmed yet. See **Programming Your Garage Door Opener Motor**.

To program additional buttons, repeat Steps 1 – 4.

For questions or comments, please contact HomeLink at www.homelink.com, www.youtube.com/HomeLinkGentex or 1-800-355-3515.

Programming Your Garage Door Opener Motor

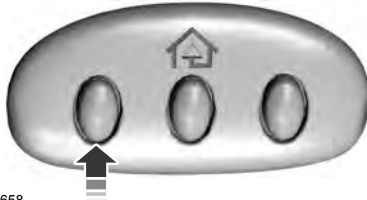
Note: You may need a ladder to reach the unit and you may need to remove the cover or lamp lens on your garage door opener.



E142659

1. Press the learn button on the garage door opener motor and then you have 30 seconds to complete the next two steps.
2. Return to your vehicle.

Garage Door Opener



E142658

3. Press and hold the function button you want to program for 2 seconds, then release. Repeat this step. Depending on your brand of garage door opener, you may need to repeat this sequence a third time.

Gate Operator / Canadian Programming

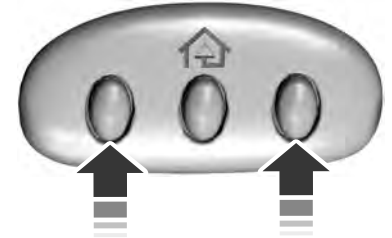
Canadian radio-frequency laws require transmitter signals to “time-out” (or quit) after several seconds of transmission – which may not be long enough for HomeLink to pick up the signal during programming. Similar to this Canadian law, some U.S. gate operators are designed to “time-out” in the same manner.

Note: If programming a garage door opener or gate operator, it is advised to unplug the device during the “cycling” process to prevent possible overheating.

1. Press and hold the HomeLink button while you press and release, **every two seconds**, your hand-held transmitter until the HomeLink indicator light changes from a slow to a rapidly blinking light.
2. Release both the HomeLink and hand-held transmitter buttons.
3. Continue programming HomeLink. See **In-Vehicle Programming**.

Erasing the Function Button Codes

Note: You cannot erase individual buttons.



E142660

1. Press and hold the outer two function buttons simultaneously for approximately 20 seconds until the indicator lights above the buttons flash rapidly.
2. When the indicator lights flash, release the buttons. The codes for all buttons are erased.

Reprogramming a Single Button

To program a device to a previously trained button, follow these steps:

1. Press and hold the desired button. Do NOT release the button.

Garage Door Opener

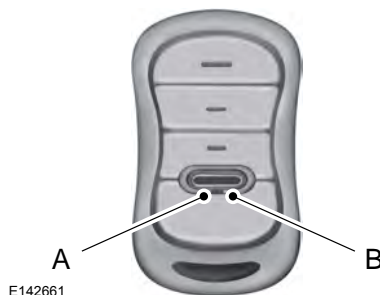
2. The indicator light will begin to flash after 20 seconds. Without releasing the button, follow Step 1 in the Programming section.

For questions or comments, contact HomeLink at www.homelink.com, www.youtube.com/HomeLinkGentex or 1-800-355-3515.

Programming to a Genie Intellicode 2 Garage Door Opener

Note: The Genie Intellicode 2 transmitter must already be programmed to operate with the garage door opener.

Note: To program HomeLink to the transmitter you must first put the transmitter into programming mode.



- A. Red indicator light
- B. Green indicator light

1. Press and hold one of the buttons on the hand-held transmitter for 10 seconds. The indicator light will change from green to red and green.
2. Press the same button twice to confirm the change to programming mode. If done properly the indicator light will appear red.
3. Hold the transmitter within 1–3 in (2–8 cm) of the button on the visor you want to program.

4. Press and hold both the programmed Genie button on the hand-held transmitter and the button you want to program. The indicator light on the visor will flash rapidly when the programming is successful.

Note: The Genie transmitter will transmit for up to 30 seconds. If HomeLink does not program within 30 seconds the Genie transmitter will need to be pressed again. If the Genie transmitter indicator light displays green and red, release the button until the indicator light turns off before pressing the button again.

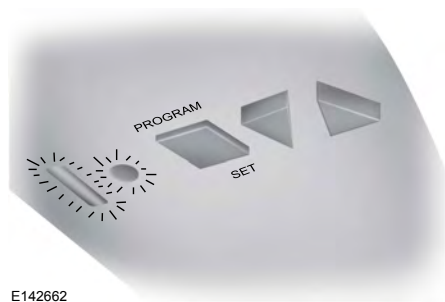
Once HomeLink has been programmed successfully, the Genie transmitter must be changed out of program mode. To do this:

1. Press and hold the previously programmed Genie button on the hand-held transmitter for 10 seconds. The indicator light will change from red to red and green.
2. Press the same button twice to confirm the change. If done correctly the indicator light will turn green.

Garage Door Opener

Programming HomeLink to the Genie Intellicode Garage Door Opener Motor

Note: You may need a ladder to access the garage door opener motor.



E142662

1. Press and hold the program button on the garage door opener motor until both blue indicator lights turn on.
2. Release the program button. Only the smaller round indicator light should be on.
3. Press and release the program button. The larger purple indicator light will flash.

Note: The next two steps must be completed in 30 seconds.

4. Press and release the Genie Intellicode 2 hand-held transmitter's previously programmed button. Both indicator lights on the garage door opener motor unit should now flash purple.
5. Press and hold the previously programmed button on the visor for 2 seconds. Repeat this step up to 3 times until the garage door moves.

Programming is now complete.

Clearing a HomeLink Device

To erase programming from the three HomeLink buttons press and hold the two outer HomeLink buttons until the indicator light begins to flash. The indicator light will begin flashing in 10 to 20 seconds, at which time both buttons should be released. Programming has now been erased, and the indicator light should blink slowly to indicate the device is in train mode when any of the three HomeLink buttons are pressed.

FCC and RSS-210 Industry Canada Compliance

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

Garage Door Opener

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End Users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must be at least 8 in (20 cm) from the user and must not be co-located or operating in conjunction with any other antenna or transmitter.

The term “IC:” before the certification/registration number only signifies that Industry Canada technical specifications were met.

Auxiliary Power Points

12 Volt DC Power Point



WARNING: Do not plug optional electrical accessories into the cigar lighter socket. Incorrect use of the cigar lighter can cause damage not covered by the vehicle warranty, and can result in fire or serious injury.

Note: When you switch the ignition on, you can use the socket to power 12 volt appliances with a maximum current rating of 15 amps.

If the power supply does not work after you switch the ignition off, switch the ignition on.

Note: Do not hang any accessory from the accessory plug.

Note: Do not use the power point over the vehicle capacity of 12 volt DC 180 watts or a fuse may blow.

Note: Always keep the power point caps closed when not in use.

Do not insert objects other than an accessory plug into the power point. This damages the power point and may blow the fuse.

Run the vehicle for full capacity use of the power point.

To prevent the battery from running out of charge:

- Do not use the power point longer than necessary when the vehicle is not running.
- Do not leave devices plugged in overnight or when you park your vehicle for extended periods.

Locations

Power points may be in the following locations:

- On the front of the center console.
- Inside the center console.
- On the rear of the center console.

110 Volt AC Power Point



WARNING: Do not keep electrical devices plugged in the power point whenever the device is not in use. Do not use any extension cord with the 110 volt AC power point, since it will defeat the safety protection design. Doing so may cause the power point to overload due to powering multiple devices that can reach beyond the 150 watt load limit and could result in fire or serious injury.

Note: The power point turns off when you switch the ignition off, or when the battery voltage drops below 11 volts.

You can use the power point for electric devices that require up to 150 watts. It is on the rear of the center console.

Auxiliary Power Points



E194174

To gain access to the outlet contacts, press the plug against the outlet and rotate clockwise.

When the indicator light on the power point is:

- On: The power point is working, the ignition is on and a device is plugged in.
 - Off: The power point is off, the ignition is off or no device is plugged in.
 - Flashing: The power point is in fault mode.
- Cathode-ray, tube-type televisions.
 - Motor loads, such as vacuum cleaners, electric saws and other electric power tools or compressor-driven refrigerators.
 - Measuring devices, which process precise data, such as medical equipment or measuring equipment.
 - Other appliances requiring an extremely stable power supply such as microcomputer-controlled electric blankets or touch-sensor lamps.

The power outlet temporarily turns off power when in fault mode if the device exceeds the 150 watt limit. Unplug your device and switch the ignition off. Switch the ignition back on, but do not plug your device back in. Let the system cool off and switch the ignition off to reset the fault mode. Switch the ignition back on and make sure the indicator light remains on.

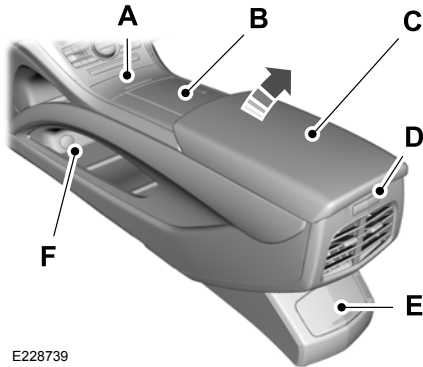
Do not use the power point for certain electric devices, including:

Storage Compartments

CENTER CONSOLE

Stow items in the cup holder carefully as items may become loose during hard braking, acceleration or crashes, including hot drinks which may spill.

Available console features include:



- A Front storage bin with remote USB port.
- B Cup holders.

- C Storage compartment with auxiliary power point and USB port.
- D Heated rear seats.
- E AC power point, auxiliary power point, and charger USB ports.
- F Two auxiliary power points.

OVERHEAD CONSOLE



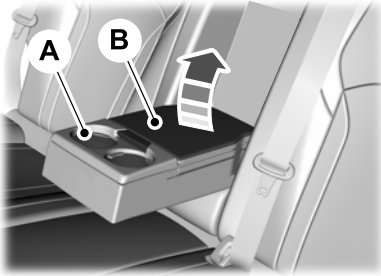
Press near the rear edge of the door to open it.

REAR SEAT ARMREST



Fold the armrest down to use the armrest.

Storage Compartments



- A Cup holders.
- B Storage compartment with optional audio controls.

Starting and Stopping the Engine

GENERAL INFORMATION



WARNING: Extended idling at high engine speeds can produce very high temperatures in the engine and exhaust system, creating the risk of fire or other damage.



WARNING: Do not park, idle or drive your vehicle on dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system, creating the risk of fire.



WARNING: Do not start the vehicle in a closed garage or in other enclosed areas. Exhaust fumes can be toxic. Always open the garage door before you start the vehicle.



WARNING: If you smell exhaust fumes inside your vehicle, have your vehicle checked by an authorized dealer immediately. Do not drive your vehicle if you smell exhaust fumes.

If you disconnect the battery, your vehicle may exhibit some unusual driving characteristics for approximately 5 mi (8 km) after you reconnect it. This is because the engine management system must realign itself with the engine. You can disregard any unusual driving characteristics during this period.

The powertrain control system meets all Canadian interference-causing equipment standard requirements regulating the impulse electrical field or radio noise.

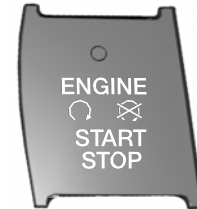
When you start your vehicle, avoid pressing the accelerator pedal until the ready to drive indicator illuminates. Only use the accelerator pedal when you have difficulty starting your vehicle.

KEYLESS STARTING

Note: The keyless starting system may not function if the key is close to metal objects or electronic devices such as cellular phones.

Note: A valid key must be located inside your vehicle to switch the ignition on and start the vehicle.

Ignition Modes



E164319

Starting and Stopping the Engine

The keyless starting system has three modes:

- **Off:** Turns the ignition off.
 - Without applying the brake pedal, press and release the button once when the ignition is in the on mode, or when the vehicle is running but is not moving.
- **On:** All electrical circuits are operational and the warning lamps and indicators illuminate.
 - Without applying the brake pedal, press and release the button once.
- **Start:** Starts the vehicle. The engine may not start when the vehicle starts.
 - Press the brake pedal, and then press the button until the vehicle starts. An indicator light on the button illuminates when the ignition is on and when the vehicle starts.

STARTING A HYBRID ELECTRIC VEHICLE SYSTEM

When the engine starts for the first time on your drive, the idle speed increases, this helps to warm up the engine. If the engine idle speed does not slow down automatically, have your vehicle checked by an authorized dealer.

Note: *You can crank the engine for a total of 60 seconds without the engine starting before the starting system temporarily disables. The 60 seconds does not have to be all at once. For example, if you crank the engine three times for 20 seconds each time, without the engine starting, you reached the 60-second time limit. A message appears in the information display alerting you that you exceeded the cranking time. You cannot attempt to start the engine for at least 15 minutes.*

Note: *After 15 minutes, you are limited to a 15-second engine cranking time. You need to wait 60 minutes before you can crank the engine for 60 seconds again.*

Before starting your vehicle, check the following:

- Make sure all occupants have fastened their seatbelts.
- Make sure the headlamps and electrical accessories are off.
- Make sure the parking brake is on.
- Put the transmission in **P**.

Note: *Do not touch the accelerator pedal.*

1. Fully depress the brake pedal.
2. Press the button.

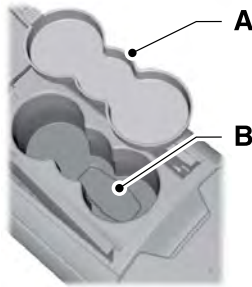
Note: *The green ready indicator illuminates letting you know that your vehicle is ready for driving. Since your vehicle is equipped with a silent key start, the engine may not start when your vehicle starts. See **Hybrid Vehicle Operation** (page 173).*

The system does not function if:

- The key frequencies are jammed.
- The key battery has no charge.

If you are unable to start your vehicle, do the following:

Starting and Stopping the Engine



E155835

1. Remove the rubber covering (A) in the cupholder. With the buttons facing upward and the unlock button facing the front of your vehicle, place the first intelligent access key into the backup slot (B).
2. With the key in this position, press the brake pedal, then the START button to switch the ignition on and start your vehicle.

Fast Restart

The fast restart feature allows you to restart your vehicle within 20 seconds of switching it off, even if it does not detect a valid passive key.

Within 20 seconds of switching your vehicle off, press the brake pedal and press the button. After 20 seconds, you can no longer start your vehicle if it does not detect a valid passive key.

Once your vehicle starts, it remains running until you press the button, even if your vehicle does not detect a valid passive key. If you open and close a door while your vehicle is running, the system searches for a valid passive key. You cannot start your vehicle if the system does not detect a valid passive key within 20 seconds.

Automatic Shutdown

This feature automatically shuts down your vehicle if it has been idling for an extended period. The ignition also turns off in order to save battery power. Before your vehicle shuts down, a message appears in the information display showing a timer counting

down from 30 seconds. If you do not intervene within 30 seconds, your vehicle shuts down. Another message appears in the information display to inform you that your vehicle has shut down in order to save fuel. Start your vehicle as you normally do.

Automatic Shutdown Override

Note: *You cannot permanently switch off the automatic shutdown feature. When you switch it off temporarily, it turns on at the next ignition cycle.*

You can stop the shutdown, or reset the timer, at any point before the 30-second countdown has expired by doing any of the following:

Starting and Stopping the Engine

- Interacting with your vehicle, for example pressing the brake or accelerator pedal.
- You can temporarily switch off the shutdown feature any time the ignition is on (for the current ignition cycle only). Use the information display to do so. See **Information Displays** (page 110).
- During the countdown before shutdown, you are prompted to press OK or RESET (depending on your type of information display) to temporarily switch the feature off (for the current ignition cycle only).

Switching Off Your Vehicle When It Is Stationary

1. Put the transmission in position **P**.
2. Press the button once.
3. Apply the parking brake.

Note: This switches off the ignition, all electrical circuits, warning lamps and indicators.

Note: If your vehicle is left running for 30 minutes without any interaction, it automatically shuts down.

Switching Off Your Vehicle When It Is Moving



WARNING: Switching off the engine when your vehicle is still moving results in a significant decrease in braking assistance. Higher effort is required to apply the brakes and to stop your vehicle. A significant decrease in steering assistance could also occur. The steering does not lock, but higher effort could be required to steer your vehicle. When you switch the ignition off, some electrical circuits, for example airbags, also turn off. If you unintentionally switch the ignition off, shift into neutral (N) and restart the engine.

3. Put the transmission in position **N** and use the brakes to bring your vehicle to a safe stop.
2. When your vehicle has stopped, put the transmission in position **P**.
3. Press and hold the button for one second, or press it three times within two seconds.

4. Apply the parking brake.

Guarding Against Exhaust Fumes



WARNING: Exhaust leaks may result in entry of harmful and potentially lethal fumes into the passenger compartment. If you smell exhaust fumes inside your vehicle, have your vehicle inspected immediately. Do not drive if you smell exhaust fumes.

Important Ventilating Information

If you stop your vehicle and then leave the engine idling for long periods of time, we recommend that you do one of the following:

- Open the windows at least 1 in (3 cm).
- Set your climate control to outside air.

Starting and Stopping the Engine

ENGINE BLOCK HEATER



WARNING: Failure to follow engine block heater instructions could result in property damage or serious personal injury.



WARNING: Do not use your heater with ungrounded electrical systems or two-pronged adapters. There is a risk of electrical shock.



WARNING: Do not fully close the hood, or allow it to drop under its own weight when using the engine block heater. This could damage the power cable and may cause an electrical short resulting in fire, injury and property damage.

Note: The heater is most effective when outdoor temperatures are below 0°F (-18°C).

The heater acts as a starting aid by warming the engine coolant. This allows the climate control system to respond quickly. The equipment includes a heater element, installed in the engine block and a wire harness. You can connect the system to a grounded 120-volt AC electrical source.

We recommend that you do the following for a safe and correct operation:

- Use a 16-gauge outdoor extension cord that is product certified by Underwriter's Laboratory (UL) or Canadian Standards Association (CSA). This extension cord must be suitable for use outdoors, in cold temperatures, and be clearly marked Suitable for Use with Outdoor Appliances. Do not use an indoor extension cord outdoors. This could result in an electric shock or become a fire hazard.
- Use as short an extension cord as possible.
- Do not use multiple extension cords.
- Make sure that when in operation, the extension cord plug and heater cord plug connections are free and clear of water. This could cause an electric shock or fire.
- If the block heater cord is under the hood, Do Not remove the wiring from its original location. Do Not close the hood on the extension wiring.
- Make sure your vehicle is parked in a clean area, clear of combustibles.
- Make sure the heater, heater cord and extension cord are firmly connected.
- Check for heat anywhere in the electrical hookup once the system has been operating for approximately 30 minutes.
- Make sure the system is unplugged and properly stowed before starting and driving your vehicle. Make sure the protective cover seals the prongs of the block heater cord plug when not in use.
- Make sure the heater system is checked for proper operation before winter.

Starting and Stopping the Engine

Using the Engine Block Heater

Make sure the receptacle terminals are clean and dry prior to use. Clean them with a dry cloth if necessary.

The heater uses 0.4 to 1.0 kilowatt-hours of energy per hour of use. The system does not have a thermostat. It achieves maximum temperature after approximately three hours of operation. Using the heater longer than three hours does not improve system performance and unnecessarily uses electricity.

Unique Driving Characteristics

HYBRID VEHICLE OPERATION

This hybrid vehicle combines electric and gasoline propulsion to provide breakthrough performance and improved efficiency.

Familiarizing yourself with these unique characteristics will provide an optimal driving experience from your new vehicle.

Note: *You may notice higher engine speeds upon start-up. This temporary condition is normal and necessary to heat up the cabin and minimize emissions.*

Starting:



When you start your vehicle, a green ready indicator light will appear in the lower right portion of the instrument cluster and a ready to drive message will appear in the middle of the left cluster screen, letting you know that your vehicle is ready for driving.

The engine may not start because this vehicle is equipped with silent key start. This fuel saving feature allows your vehicle to be ready-to-drive without requiring the gas engine to be running. This indicator will remain on while your vehicle is on, whether the engine is running or not to indicate your vehicle is capable of movement (using its electric motor, engine, or both). Typically, the engine will not start unless the vehicle is cold, a climate control change is requested, or the accelerator is pressed.

Driving:

The gas engine automatically starts and stops to provide power when needed and to save fuel when not needed. While coasting at low speeds, coming to a stop, or standing, the gas engine normally shuts down and your vehicle operates in electric-only mode.

Conditions that may cause the engine to start up or remain running include:

- Considerable vehicle acceleration.
- Vehicle speed above 85 mph (137 km/h). However, the maximum speed for electric-only operation may be lower while driving in hot temperatures or on hilly terrain.
- Ascending a hill.
- Charge level of high voltage battery is low.
- Very high or low outside temperature (to provide system cooling or heating).
- Engine not warm enough to provide passenger requested cabin temperature.

Stopping:

The gas engine may shut off to conserve fuel as you come to a stop. Restarting your vehicle is not required. Simply step on the accelerator when you are ready to drive.

Unique Driving Characteristics

Transmission Operation:

Due to the technologically advanced, electronically-controlled continuously variable transaxle, you will not feel shift changes like those of a non-hybrid vehicle.

Note: *Since engine speed is controlled by the transmission, it may seem elevated at times. This is normal hybrid operation and helps deliver fuel efficiency and performance.*

Neutral:

We recommend that you do not idle the vehicle in neutral (N) for an extended period of time because this will discharge your high voltage battery, shut off your air conditioning and heating, and decrease fuel economy. The engine will not start or stop, and cannot provide power to the hybrid system in neutral (N).

Low:

Low (L) is designed to mimic the enhanced engine braking available in non-hybrid vehicles. Low gear will produce high engine speeds to provide necessary engine braking. This is normal and will not damage your vehicle. In low gear, the gas engine will remain on more often than in drive (D).

Reverse:

In reverse (R), vehicle speed is limited to 22 mph (35 km/h).

Battery:

Your hybrid is equipped with a high voltage battery. A cool battery maintains battery life and provides the best possible performance. The high voltage battery is cooled by cabin air drawn from vent holes in the trim panels behind the rear seats. Avoid placing objects at the vent holes that block airflow to the high voltage battery.

Engine:

The engine speed in your hybrid is not directly tied to your vehicle speed. Your vehicle's engine and transmission are designed to deliver the power you need at the most efficient engine speed. During heavy accelerations, your hybrid may reach high engine speeds (up to 6000 RPM).

In prolonged mountainous driving, you may see the engine speed changing without your input. This is intentional and maintains the battery charge level. You may also notice during extended downhill driving that your engine continues to run instead of shutting off.

During this engine braking, the engine stays on, but it is not using any fuel. You may also hear a slight whine or whistle when operating your vehicle. This is the normal operation of the electric generator in the hybrid system.

Unique Driving Characteristics

During certain events (such as vehicle servicing) your low voltage 12-volt battery may become disconnected or disabled. Once the battery is reconnected and after driving the vehicle, the engine may continue to operate for three to five seconds after the key is turned to off. This is a normal condition.

Braking:

Your hybrid is equipped with standard hydraulic braking and regenerative braking. Regenerative braking is performed by your transmission and it captures brake energy and stores it in your high voltage battery.

Driving to Optimize Fuel Economy

Note: *Having your engine running is not always an indication of inefficiency. In some cases, it is actually more efficient than driving in electric mode.*

Your fuel economy should improve throughout your hybrid's break-in period. As with any vehicle, your driving habits and accessory usage can significantly impact your fuel economy. For best results, keep in mind these tips:

- Keep the tires properly inflated and only use the recommended size.
- Aggressive driving increases the amount of energy required to move your vehicle. In general, you can achieve better fuel economy with mild to moderate acceleration and deceleration. Moderate braking is particularly important since it allows you to maximize the energy captured by the regenerative braking system.

Additional Tips:

- Do not carry extra loads.
- Be mindful of adding external accessories that may increase aerodynamic drag.
- Observe posted speed limits.

- Perform all scheduled maintenance.
- There is no need to wait for your engine to warm up. The vehicle is ready to drive immediately after starting.

ECOSELECT

EcoSelect is a drive mode for non plug-in vehicles designed to offer the best possible fuel economy with tradeoffs in vehicle performance and comfort.



To switch EcoSelect on, press the **ECO** button.

A graphic displays on your information display when EcoSelect is on.

Your vehicle will remember the last selected mode whenever you start your vehicle.

EcoSelect allows your vehicle to operate more efficiently. You will notice:

- Less aggressive cooling.
- Softer acceleration.
- Increased deceleration when coasting.

Unique Driving Characteristics

- Changes in engine behavior.
- ECO cruise control activation.

HYBRID VEHICLE FREQUENTLY ASKED QUESTIONS

Question	Answer
What are the series of clicks from the cargo area when I first turn the key in the ignition?	The high voltage battery is electrically isolated from the rest of the vehicle when the key is off. When you switch the key on, high voltage contactors inside the battery are closed to make the electricity available to the motor and generator and enable the vehicle to drive. The clicks are the sound of these contactors as they close and open during start up and shut down.
Why does the engine sometimes start at key-on?	The vehicle's computer will determine if an engine start is required at key-on. Silent key start will start the engine if it is necessary for cabin heating, windshield defrost, or if the outside temperature is low.
Why does it take a long time before the engine shuts down?	There are several reasons the engine stays on for an extended amount of time when you first start it. One common reason is to make sure that the emissions components are warm enough to minimize tailpipe emissions. As the climate gets cooler, this engine-on time is extended.
Why does my engine never shut down above 85 mph (137 km/h)	The engine is required to turn on above this speed to protect the transmission hardware.

Unique Driving Characteristics

Question	Answer
Why does my engine stay on when it is extremely cold outside?	In order to make sure that the climate control system can begin heating the cabin or defrosting the windshield as soon as a driver requests it, the engine coolant temperature has to be kept sufficiently hot. Keeping the engine on is required to maintain the correct coolant temperature.
Why does my engine rev up so high sometimes when I accelerate?	Your vehicle's engine and transmission are designed to deliver the power you need at the most efficient engine speed. This may be higher than expected during heavy accelerations, and may fluctuate when driving at a steady speed. These are characteristics of the Atkinson engine cycle and the transmission technology that help maximize your hybrid's fuel economy.
What is the engine oil change service interval?	Change the engine oil every 10,000 mi (16,000 km) or once per year under normal operating conditions.
Can I put E15 or E85 in my vehicle, and how will it affect my fuel economy?	Yes. Your hybrid vehicle can use E15 (15% ethanol, 85% gasoline) fuel, but you may notice slightly reduced fuel economy because ethanol contains less energy per gallon than gasoline. Your hybrid vehicle is not designed to use E85 (85% ethanol).

Unique Driving Characteristics

Question	Answer
How long will my high voltage battery last? Does it need maintenance?	The high voltage battery system is designed to last the life of the vehicle and requires no maintenance.
Can you charge the battery with a plug into an AC outlet?	There are no provisions for charging the conventional hybrid high voltage battery from a power supply external to the vehicle.
Can I tow the hybrid behind my motor home with all four wheels on the ground?	Yes. Your hybrid vehicle can be flat towed with all four wheels on the ground.

Fuel and Refueling

SAFETY PRECAUTIONS



WARNING: Do not overfill the fuel tank. The pressure in an overfilled tank may cause leakage and lead to fuel spray and fire.



WARNING: The fuel system may be under pressure. If you hear a hissing sound near the fuel filler inlet, do not refuel until the sound stops. Otherwise, fuel may spray out, which could cause serious personal injury.



WARNING: Fuels can cause serious injury or death if misused or mishandled.



WARNING: Fuel may contain benzene, which is a cancer-causing agent.



WARNING: When refueling always shut the engine off and never allow sparks or open flames near the fuel tank filler valve. Never smoke or use a cell phone while refueling. Fuel vapor is extremely hazardous under certain conditions. Avoid inhaling excess fumes.

Follow these guidelines when refueling:

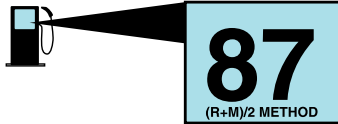
- Extinguish all smoking materials and any open flames before refueling your vehicle.
- Always switch the engine off before refueling.
- Automotive fuels can be harmful or fatal if swallowed. Fuel is highly toxic and if swallowed can cause death or permanent injury. If fuel is swallowed immediately call a physician, even if no symptoms are immediately apparent. The toxic effects of fuel may not be apparent for hours.

- Avoid inhaling fuel vapors. Inhaling fuel vapor can lead to eye and respiratory tract irritation. In severe cases, excessive or prolonged breathing of fuel vapor can cause serious illness and permanent injury.
- Avoid getting fuel in your eyes. If you splash fuel in your eyes, immediately remove contact lenses (if worn), flush with water for 15 minutes and seek medical attention. Failure to seek proper medical attention could lead to permanent injury.
- Fuels can be harmful if absorbed through the skin. If you splash fuel on your skin, clothing or both, promptly remove contaminated clothing and thoroughly wash your skin with soap and water. Repeated or prolonged skin contact causes skin irritation.
- Be particularly careful if you are taking Antabuse or other forms of Disulfiram for the treatment of alcoholism. Breathing fuel vapors could cause an adverse reaction, serious personal injury or sickness. Immediately call a physician if you experience any adverse reactions.

Fuel and Refueling

FUEL QUALITY

Choosing the Right Fuel



E161513

Your vehicle is designed to operate on regular unleaded gasoline with a minimum pump (R+M)/2 octane rating of 87.

Some fuel stations, particularly those in high altitude areas, offer fuels posted as regular unleaded gasoline with an octane rating below 87. The use of these fuels could result in engine damage that will not be covered by the vehicle warranty.

For best overall vehicle and engine performance, premium fuel with an octane rating of 91 or higher is recommended. The performance gained by using premium fuel is most noticeable in hot weather.

Do not be concerned if the engine sometimes knocks lightly. However, if the engine knocks heavily while using fuel with the recommended octane rating, contact an authorized dealer to prevent any engine damage.

We recommend Top Tier detergent gasolines where available to help minimize engine deposits and maintain optimal vehicle and engine performance. For additional information, refer to www.toptiergas.com.

Note: *Use of any fuel for which the vehicle was not designed can impair the emission control system, cause loss of vehicle performance, and cause damage to the engine which may not be covered by the vehicle Warranty.*

Do not use:

- Diesel fuel.
- Fuels containing kerosene or paraffin.
- Fuel containing more than 15% ethanol or E85 fuel.
- Fuels containing methanol.
- Fuels containing metallic-based additives, including manganese-based compounds.

- Fuels containing the octane booster additive, methylcyclopentadienyl manganese tricarbonyl (MMT).
- Leaded fuel; using leaded fuel is prohibited by law.

The use of fuels with metallic compounds such as methylcyclopentadienyl manganese tricarbonyl (commonly known as MMT), which is a manganese-based fuel additive, will impair engine performance and affect the emission control system.

Fuel Freshness Mode (If Equipped)

This helps keep the fuel system functional and the fuel fresh.

If you mainly use your vehicle in electric power mode without refueling, the gasoline in the fuel tank may become stale due to aging. Stale gasoline can damage the engine and fuel system.

Your vehicle automatically switches to fuel freshness mode if you do not refuel your vehicle with fresh fuel within an 18-month period. Fuel freshness mode protects your vehicle from potential engine and fuel system damage caused by using stale fuel.

Fuel and Refueling

Note: If you do not add new fuel during an 18-month period, fuel freshness mode will use fuel until approximately 1.2 gal (4.5 L) of fuel remains in the fuel tank.

During fuel freshness mode:

- The information display will indicate fuel freshness mode is active.
- EV Now mode will not be available.
- Most of the electric-only driving range will be saved until fuel freshness mode is completed.

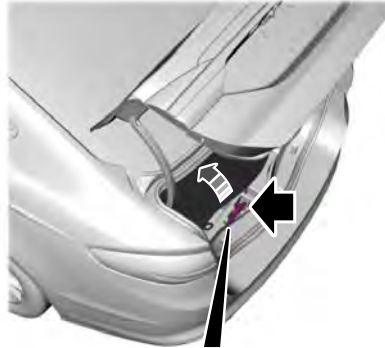
Note: EV Now mode will become available when less than 1.2 gal (4.5 L) of fuel remains in the fuel tank.

Note: When the fuel level is less than one-quarter full, refueling your vehicle will end fuel freshness mode.

Note: We recommend you use a fuel stabilizer if you use less than a full tank of fuel during an 18-month period.

FUEL FILLER FUNNEL LOCATION

The fuel filler funnel is under the luggage compartment floor covering.



E256472

RUNNING OUT OF FUEL

Avoid running out of fuel because this situation may have an adverse effect on vehicle components.

If you have run out of fuel:

- To start the vehicle with a keyless ignition, just start the engine. Crank time will be longer than usual.
- Normally, adding 1 gal (3.8 L) of fuel is enough to restart the vehicle. If the vehicle is out of fuel and on a steep grade, more than 1 gal (3.8 L) may be required.
- The service engine soon indicator may come on.

Refilling With a Portable Fuel Container



WARNING: Flow of fuel through a fuel pump nozzle can produce static electricity. This can cause a fire if you are filling an ungrounded fuel container.



WARNING: Do not insert the nozzle of a fuel container or an aftermarket funnel into the fuel filler neck. This may damage the fuel system filler neck or its seal and cause fuel to run onto the ground.

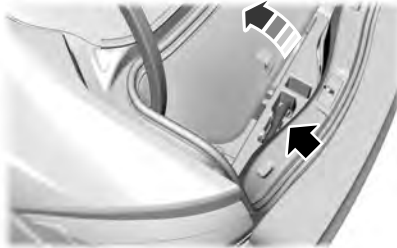
Fuel and Refueling



WARNING: Do not try to pry open or push open the capless fuel system with foreign objects. This could damage the fuel system and its seal and cause injury to you or others.

Note: Do not use aftermarket funnels; they will not work with the capless fuel system and can damage it. The included specially designed funnel works safely with your vehicle.

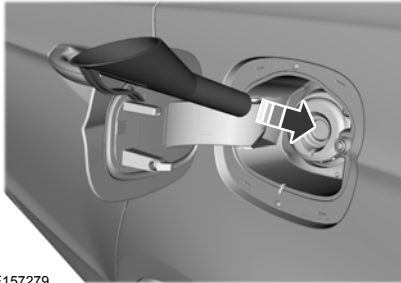
When filling the vehicle's fuel tank from a portable fuel container, use the funnel included with the vehicle.



E163066

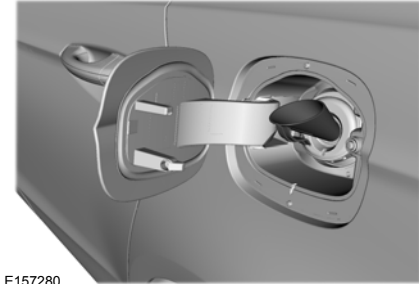
The funnel is located in the rear of the vehicle, inside the load compartment, underneath the load floor carpet and is accessible from the trunk.

1. Locate the portable funnel that comes with your vehicle.



E157279

2. Slowly insert the funnel into the capless fuel system.



E157280


3. Fill the vehicle with fuel from the portable fuel container.
4. When done, clean the funnel or properly dispose of it. You can purchase extra funnels from your authorized dealer if you choose to dispose of the funnel.


REFUELING





WARNING: Do not overfill the fuel tank. The pressure in an overfilled tank may cause leakage and lead to fuel spray and fire.


Fuel and Refueling


 **WARNING:** Do not pry open the fuel tank filler valve. This could damage the fuel system. Failure to follow this instruction could result in fire, personal injury or death.


 **WARNING:** Do not remove the fuel pump nozzle from its fully inserted position when refueling.

 **WARNING:** When refueling always shut the engine off and never allow sparks or open flames near the fuel tank filler valve. Never smoke or use a cell phone while refueling. Fuel vapor is extremely hazardous under certain conditions. Avoid inhaling excess fumes.

 **WARNING:** Stop refueling when the fuel pump nozzle automatically shuts off for the first time. Failure to follow this will fill the expansion space in the fuel tank and could lead to fuel overflowing.

 **WARNING:** Wait at least five seconds before removing the fuel pump nozzle to allow any residual fuel to drain into the fuel tank.

 **WARNING:** The fuel system may be under pressure. If you hear a hissing sound near the fuel filler inlet, do not refuel until the sound stops. Otherwise, fuel may spray out, which could cause serious personal injury.

 **WARNING:** Read and follow all the instructions on the pump island.

1. When you stop your vehicle, shift into park (P) or neutral (N) and switch the ignition off.

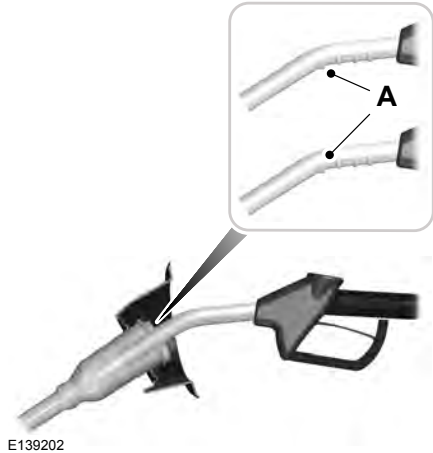


E146221

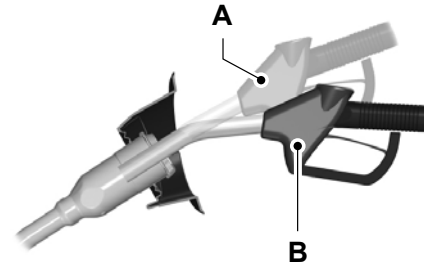
Note: *Beijing district, China vehicles only.*

2. Press the button on the driver door to open the fuel filler door. The fuel filler door can take up to 15 seconds to open before you can insert a fuel filler nozzle.

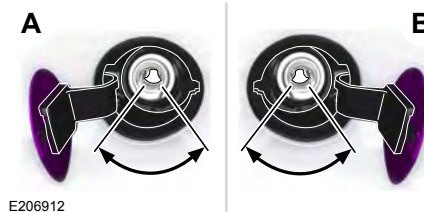
Fuel and Refueling



3. Insert the fuel pump nozzle up to the first notch on the nozzle A. Keep it resting on the cover of the fuel tank filler pipe opening.



4. Hold the fuel pump nozzle in position B when refueling. Holding the fuel nozzle in position A can affect the flow of fuel and shut off the fuel nozzle before the fuel tank is full.



5. Operate the fuel pump nozzle within the area shown.



6. Slightly raise the fuel pump nozzle and then slowly remove it.
7. Fully close the fuel filler door.

Note: To close the fuel filler door, press the center rear edge of the fuel filler door and then release.

You must complete the refueling process within 20 minutes. If 20 minutes elapses, you must press the button on the driver door again. Fuel pump nozzle automatic shut off may occur if you do not press the button on the driver door.

System Warnings

If the fuel filler door fails to open, an information message appears in the information display.

Fuel and Refueling

Note: Beijing district, China vehicles only.

Message	Description and Action
Refuel Error See Manual	A warning message appears in the information display when the fuel system fails to depressurize or the fuel filler door fails to open. You may have to use the fuel filler door manual override lever.

If the information message appears, do the following:

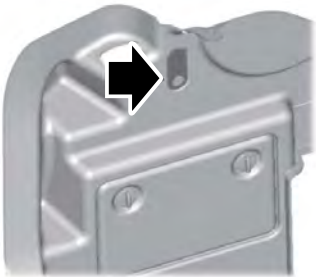
1. Check the fuel filler door for anything that may be obstructing its movement, for example ice or snow.
2. Remove any obstruction from the fuel filler door.
3. Press the button on the driver door to open the fuel filler door.
4. If the fuel filler door fails to open and the information message remains in the information display, use the fuel filler door manual override lever.

Fuel Filler Door Manual Override Lever

Note: The transmission must be in park (P) or neutral (N).

When using the manual override lever do the following:

1. Switch the ignition on.



E156033

2. Open the luggage compartment, the manual override lever is located on the left-hand side.
3. Pull the manual override lever.
4. Switch the ignition off.
5. Complete the refueling process within 20 minutes.

FUEL CONSUMPTION

Advertised Capacity

The advertised capacity is the maximum amount of fuel that you can add to the fuel tank after running out of fuel. Included in the advertised capacity is an empty reserve. The empty reserve is an unspecified amount of fuel that remains in the fuel tank when the fuel gauge indicates empty.

Note: The amount of fuel in the empty reserve varies and should not be relied upon to increase driving range.

Fuel Economy

Your vehicle calculates fuel economy figures through the trip computer average fuel function. See **General Information** (page 110).

The first 1,000 mi (1,500 km) of driving is the break-in period of the engine. A more accurate measurement is obtained after 2,000 mi (3,000 km).

Fuel and Refueling

Impacting Fuel Economy

- Incorrect tire inflation pressures.
- Fully loading your vehicle.
- Carrying unnecessary weight.
- Adding certain accessories to your vehicle such as bug deflectors, rollbars or light bars, running boards and ski racks.
- Using fuel blended with alcohol. See **Fuel Quality** (page 180).
- Fuel economy may decrease with lower temperatures.
- Fuel economy may decrease when driving short distances.
- You may get better fuel economy when driving on flat terrain than when driving on hilly terrain.

Engine Emission Control

EMISSION LAW



WARNING: Do not remove or alter the original equipment floor covering or insulation between it and the metal floor of the vehicle. The floor covering and insulation protect occupants of the vehicle from the engine and exhaust system heat and noise. On vehicles with no original equipment floor covering insulation, do not carry passengers in a manner that permits prolonged skin contact with the metal floor. Failure to follow these instructions may result in fire or personal injury.

U.S. federal laws and certain state laws prohibit removing or rendering inoperative emission control system components. Similar federal or provincial laws may apply in Canada. We do not approve of any vehicle modification without first determining applicable laws.



Tampering with emissions control systems including related sensors or the Diesel Exhaust Fluid system can result in reduced engine power and the illumination of the service engine soon light.

Tampering With a Noise Control System

Federal laws prohibit the following acts:

- Removal or rendering inoperative by any person other than for purposes of maintenance.
- Repair or replacement of any device or element of the design incorporated into a new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use.
- The use of the vehicle after any person removes or renders inoperative any device or element of the design.

The U.S. Environmental Protection Agency may presume to constitute tampering as follows:

- Removal of hood blanket, fender apron absorbers, fender apron barriers, underbody noise shields or acoustically absorptive material.
- Tampering or rendering inoperative the engine speed governor, to allow engine speed to exceed manufacturer specifications.

If the engine does not start, runs rough, experiences a decrease in engine performance, experiences excess fuel consumption or produces excessive exhaust smoke, check for the following:

- A plugged or disconnected air inlet system hose.
- A plugged engine air filter element.
- Water in the fuel filter and water separator.
- A clogged fuel filter.
- Contaminated fuel.
- Air in the fuel system, due to loose connections.

Engine Emission Control

- An open or pinched sensor hose.
- Incorrect engine oil level.
- Incorrect fuel for climatic conditions.
- Incorrect engine oil viscosity for climatic conditions.

Note: *Some vehicles have a lifetime fuel filter that is integrated with the fuel tank. Regular maintenance or replacement is not needed.*

Note: *If these checks do not help you correct the concern, have your vehicle checked as soon as possible.*

Noise Emissions Warranty, Prohibited Tampering Acts and Maintenance

On January 1, 1978, Federal regulation became effective governing the noise emission on trucks over 10,000 lb (4,536 kg) Gross Vehicle Weight Rating (GVWR). The preceding statements concerning prohibited tampering acts and maintenance, and the noise warranty found in the Warranty Guide, are applicable to complete chassis cabs over 10,000 lb (4,536 kg) GVWR.

CATALYTIC CONVERTER



WARNING: Do not park, idle or drive your vehicle on dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system, creating the risk of fire.



WARNING: The normal operating temperature of the exhaust system is very high. Never work around or attempt to repair any part of the exhaust system until it has cooled. Use special care when working around the catalytic converter. The catalytic converter heats up to a very high temperature after only a short period of engine operation and stays hot after the engine is switched off.



WARNING: Exhaust leaks may result in entry of harmful and potentially lethal fumes into the passenger compartment. If you smell exhaust fumes inside your vehicle, have your vehicle inspected immediately. Do not drive if you smell exhaust fumes.

Your vehicle has various emission control components and a catalytic converter that enables it to comply with applicable exhaust emission standards.

To make sure that the catalytic converter and other emission control components continue to work properly:

- Do not crank the engine for more than 10 seconds at a time.
- Do not run the engine with a spark plug lead disconnected.
- Do not push-start or tow-start your vehicle. Use booster cables. See **Jump Starting the Vehicle** (page 267).
- Use only the specified fuel listed.
- Do not switch the ignition off when your vehicle is moving.
- Avoid running out of fuel.
- Have the items listed in scheduled maintenance information performed according to the specified schedule.

Note: *Resulting component damage may not be covered by the vehicle Warranty.*

Engine Emission Control

The scheduled maintenance items listed in scheduled maintenance information are essential to the life and performance of your vehicle and to its emissions system.

If you use anything other than Lincoln, Motorcraft or Lincoln-authorized parts for maintenance replacements or for service of components affecting emission control, such non-Lincoln parts should be equivalent to genuine Lincoln Motor Company parts in performance and durability.

Illumination of the service engine soon indicator, charging system warning light or the temperature warning light, fluid leaks, strange odors, smoke or loss of engine power could indicate that the emission control system is not working properly.

An improperly operating or damaged exhaust system may allow exhaust to enter the vehicle. Have a damaged or improperly operating exhaust system inspected and repaired immediately.

Do not make any unauthorized changes to your vehicle or engine. By law, vehicle owners and anyone who manufactures, repairs, services, sells, leases, trades vehicles, or supervises a fleet of vehicles are not permitted to intentionally remove an emission control device or prevent it from working. Information about your vehicle's emission system is on the Vehicle Emission Control Information Decal located on or near the engine. This decal also lists engine displacement.

Please consult your warranty information for complete details.

On-Board Diagnostics (OBD-II)

Your vehicle has a computer known as the on-board diagnostics system (OBD-II) that monitors the engine's emission control system. The system protects the environment by making sure that your vehicle continues to meet government emission standards. The OBD-II system also assists a service technician in properly servicing your vehicle.



When the service engine soon indicator illuminates, the OBD-II system has detected a malfunction.

Temporary malfunctions may cause the service engine soon indicator to illuminate. Examples are:

1. Your vehicle has run out of fuel—the engine may misfire or run poorly.
2. Poor fuel quality or water in the fuel—the engine may misfire or run poorly.
3. The fuel fill inlet may not have closed properly. See **Refueling** (page 182).
4. Driving through deep water—the electrical system may be wet.

You can correct these temporary malfunctions by filling the fuel tank with good quality fuel, properly closing the fuel fill inlet or letting the electrical system dry out. After three driving cycles without these or any other temporary malfunctions present, the service engine soon indicator should stay off the next time you start the engine. A driving cycle consists of a cold engine startup followed by mixed city and highway driving. No additional vehicle service is required.

Engine Emission Control

If the service engine soon indicator remains on, have your vehicle serviced at the first available opportunity. Although some malfunctions detected by the OBD-II may not have symptoms that are apparent, continued driving with the service engine soon indicator on can result in increased emissions, lower fuel economy, reduced engine and transmission smoothness and lead to more costly repairs.

Readiness for Inspection and Maintenance (I/M) Testing

Some state and provincial and local governments may have Inspection/Maintenance (I/M) programs to inspect the emission control equipment on your vehicle. Failure to pass this inspection could prevent you from getting a vehicle registration.



If the service engine soon indicator is on or the bulb does not work, your vehicle may need service.

See On-Board Diagnostics.

Your vehicle may not pass the I/M test if the service engine soon indicator is on or not working properly (bulb is burned out), or if the OBD-II system has determined that some of the emission control systems have not been properly checked. In this case, the vehicle is not ready for I/M testing.

If the vehicle's engine or transmission has just been serviced, or the battery has recently run down or been replaced, the OBD-II system may indicate that the vehicle is not ready for I/M testing. To determine if the vehicle is ready for I/M testing, turn the ignition key to the on position for 15 seconds without cranking the engine. If the service engine soon indicator blinks eight times, it means that the vehicle is not ready for I/M testing; if the service engine soon indicator stays on solid, it means that your vehicle is ready for I/M testing.

The OBD-II system checks the emission control system during normal driving. A complete check may take several days.

If the vehicle is not ready for I/M testing, you can perform the following driving cycle consisting of mixed city and highway driving:

1. 15 minutes of steady driving on an expressway or highway followed by 20 minutes of stop-and-go driving with at least four 30-second idle periods.
2. Allow your vehicle to sit for at least eight hours with the ignition off. Then, start the vehicle and complete the above driving cycle. The vehicle must warm up to its normal operating temperature. Once started, do not turn off the vehicle until the above driving cycle is complete.

If the vehicle is still not ready for I/M testing, you need to repeat the above driving cycle.

High Voltage Battery

GENERAL INFORMATION



WARNING: This battery pack should only be serviced by an authorized electric vehicle technician. Improper handling can result in personal injury or death.

Note: The high-voltage battery does not require regular service maintenance.

Your vehicle consists of various high-voltage components and wiring. All of the high-voltage power flows through specific wiring assemblies which are labeled as such or are covered with a solid orange convolute, or orange striped tape, or both. Do not come in contact with these components.

The high-voltage battery system is a high-voltage, lithium-ion battery system. The pack is located in the rear cargo area. The high-voltage battery system uses an air cooled system to regulate the high-voltage battery temperature and help maximize high-voltage battery life.



E162457

Note: The high-voltage battery is equipped with air vents in the package tray that help to regulate its temperature. It is important to keep these openings free of obstructions. Do not block the flow of cabin air to this area.

HIGH-VOLTAGE SERVICE DISCONNECT

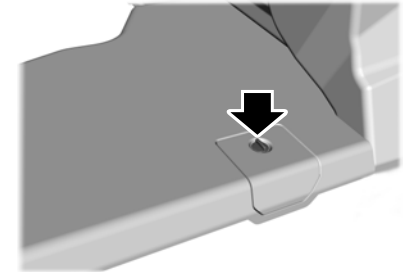
The high-voltage service disconnect shuts off power from the high-voltage battery.

Note: There is a disconnect circuit in your vehicle. Disconnecting the circuit disables the high-voltage battery.

To disable the battery and stop all high-voltage electric activity in your vehicle, access the high-voltage disconnect circuit.

The high-voltage service disconnect is located behind the rear fold down seats.

Note: The service disconnect has an outer lever to aid in the proper seating of the service disconnect lever. Remove this to disconnect the high-voltage service disconnect.



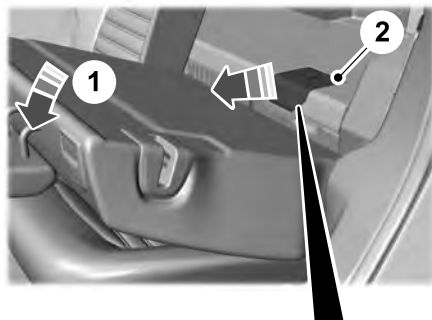
E159506

Disabling the High-Voltage Battery

1. Fold down the rear seats.

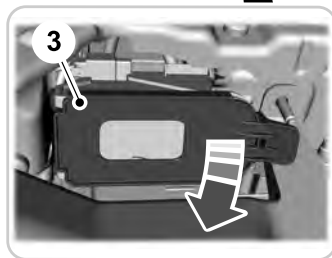
High Voltage Battery

2. Locate the access door and remove the plastic cover.

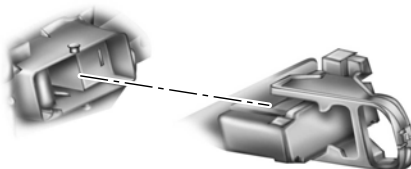


E259344

3. Pull the outer cover off to expose the service disconnect cover.



4. Slide the handle on the service disconnect outboard to the right.



E146133

5. Pull the handle toward you and remove the circuit from the vehicle to disable the high-voltage battery.

Reactivating the High-Voltage Battery

Note: If you have manually disconnected your high-voltage shut off circuit you will need to reconnect the circuit before it can be reactivated. The vehicle detects if the electrical system is safe and then reactivates.

HIGH VOLTAGE SHUTOFF SWITCH

The integrity of the high voltage system is continuously monitored. After a substantial collision or physical jolt, the high voltage system could become deactivated. To reinitialize the system.

1. Press the **START/STOP** button to turn the ignition off.
2. Press the brake pedal and press the **START/STOP** button.
3. If your vehicle is not powered on after this sequence, repeat steps 1 and 2 up to two more times.

Note: During this process, your vehicle will detect if the electrical system is safe and reactivate. Once your vehicle determines the electrical system safe, you can start your vehicle as you would normally by either turning the ignition key or by pressing the brake in combination with the **START/STOP** button.

Note: In the event your vehicle does not reactivate after the third key cycle, contact an authorized dealer.

Transmission

AUTOMATIC TRANSMISSION



WARNING: Always fully apply the parking brake. Make sure you shift into park (P) for vehicles with an automatic transmission. Switch the ignition off and remove the key whenever you leave your vehicle.



WARNING: Do not apply the brake pedal and accelerator pedal simultaneously. Applying both pedals simultaneously for more than a few seconds will limit engine performance, which may result in difficulty maintaining speed in traffic and could lead to serious injury.

Note: *The ready to drive indicator may be off and you may not be able to shift out of park (P), unless the intelligent access key is inside your vehicle.*

Push Button Shift Transmission

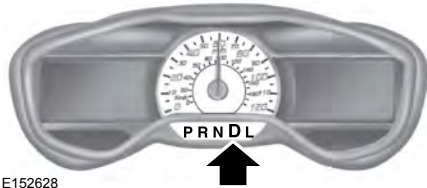
Your vehicle is equipped with an electronic transmission. The shift buttons are located on the instrument panel. Select the gears by pressing and releasing the **PRNDL** buttons.



E146131

Transmission

Every time you select a gear, the selected button lights up. You also see the gear selected appear in the instrument cluster.



E152628

Understanding the Positions of your Electronic Transmission

Note: Always come to a complete stop before putting your vehicle into and out of park (P).

Putting your vehicle in gear:

1. Fully press down the brake pedal.
2. Press and release the button on the instrument panel of the gear you want to select.

3. The gear shift button you select illuminates and the instrument cluster shows the selected gear.
4. Release the brake pedal and your transmission remains in the selected gear.

Note: If the driver attempts to leave the vehicle when it is in gear, the vehicle automatically shifts into park (P). Seatbelt and door monitors determine the driver's intent and makes the shift for you. During this time a **Transmission not in Park** message appears in the display screen, prompting the driver to make the shift. To put the vehicle in gear with the door open perform steps 1-4. See the **Automatic Return to Park** section in this chapter for more information on this feature.

Note: To put your vehicle in gear with the door open, perform steps 1-4. See the **Automatic Return to Park** section in this chapter for more information on this feature.

Park (P)

This position locks the transmission and prevents the front wheels from turning. Always come to a complete stop before putting your vehicle into and out of park (P). An audible chime sounds when park (P) is manually selected.

When you turn the ignition off, your vehicle automatically shifts into park (P). If you turn the ignition off when your vehicle is moving, it first shifts into neutral (N) until a slow enough speed is reached. Your vehicle then shifts into park (P) automatically.

Automatic Return to Park

Note: This feature does not operate when your vehicle is in Stay in Neutral mode or neutral tow.

Your vehicle has a safety feature that automatically shifts your vehicle into park (P) when any of the following circumstances are met:

Transmission

- Turn the ignition off.
- Open the driver's door with your seat belt unlatched.
- Unlatching your seatbelt when the driver's door is open.

If you turn the ignition off when your vehicle is moving, your vehicle first shifts into neutral (N) until it slows down enough to shift into park (P) automatically.

Note: *If you have waited an extended period of time, (2-15 minutes) before starting your vehicle, unlatching your safety belt does cause this feature to activate, even with the driver's door closed.*

Note: *This feature may not work properly if the door ajar switch is malfunctioning. If your door ajar indicator does not illuminate when you open the driver's door or the indicator illuminates with the driver's door closed, see your authorized dealer.*

Reverse (R)

With the transmission in reverse (R), your vehicle moves backward. Always come to a complete stop before shifting into and out of reverse (R).

Neutral (N)

Press the neutral (N) button to put your vehicle in neutral. In neutral, your vehicle can start and is free to roll. Hold the brake pedal down when in this position.

Stay in Neutral mode

Stay in Neutral mode allows your vehicle to stay in neutral when you exit your vehicle. Your vehicle must be stationary to enter this mode.

To enter Stay in Neutral mode:

1. Press the neutral (N) button on the shifter assembly.
2. The message **Select N Again to Enter Stay in Neutral mode** appears in the information display screen.
3. Press the neutral (N) button again to enter Stay in Neutral mode.

The message **Stay in Neutral mode engaged** appears in the instrument cluster when your vehicle has entered Stay in Neutral mode.

Note: *During this mode the neutral (N) button flashes continuously and the instrument cluster displays neutral as the selected gear.*

Exiting Stay in Neutral mode

To disable Stay in Neutral mode put your vehicle in another gear. See the **Putting the Vehicle in Gear** section for instructions on how to do this.

Entering a Carwash

Note: *Always put your vehicle in Stay in Neutral mode when entering an automatic car wash. Failure to do this could result in vehicle damage that may not be covered by warranty.*

Drive (D)

The normal driving position for the best fuel economy.

Transmission

Drive (D) with Grade Assist



Activate grade assist through the information display settings menu. See **General Information** (page

110).

Grade assist:

- Provides additional grade braking with a combination of engine motoring and high-voltage battery charging to help maintain vehicle speed when descending a grade.
- As your vehicle determines the amount of engine motoring and high-voltage battery charging, you may notice the engine speed increasing and decreasing to help maintain your vehicle speed when descending a grade.



The grade assist lamp illuminates grey when the grade assist feature is switched on through the instrument display settings menu. The lamp changes from grey to green when grade assist is actively providing additional grade braking.

Low (L)

- Provides maximum engine braking.
- The transmission may be put into low (L) at any vehicle speed.
- Not intended for use under extended or normal driving conditions and results in lower fuel economy.

Brake-Shift Interlock Override



WARNING: Do not drive your vehicle until you verify that the stoplamps are working.



WARNING: When doing this procedure, you need to take the transmission out of park (P) which means your vehicle can roll freely. To avoid unwanted vehicle movement, always fully apply the parking brake prior to doing this procedure. Use wheels chocks if appropriate.



WARNING: If the parking brake is fully released, but the brake warning lamp remains illuminated, the brakes may not be working properly. Have your vehicle checked as soon as possible.

Note: See your authorized dealer as soon as possible if this procedure is used.

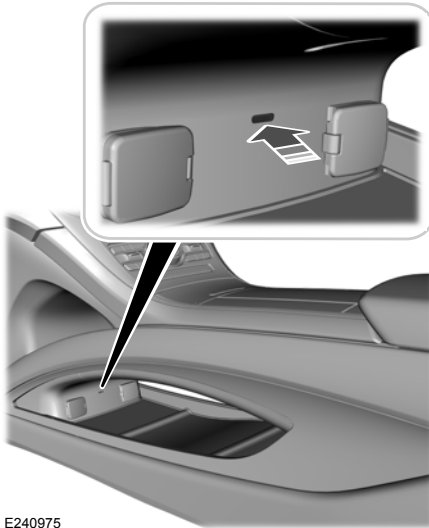
Note: For some markets this feature is disabled.

Note: This feature only functions if your 12-volt battery has power. If vehicle battery voltage is not sufficient, an external 12-volt power source (for example, jumper cables, battery charger or jump pack) may be required to function the interlock override switch.

Use the brake-shift interlock override to move your transmission from the park position in the event of an electrical malfunction. If your vehicle has a dead battery, an external power source is required.

1. Apply the parking brake and turn your ignition off before performing this procedure.

Transmission



E240975

2. Locate your brake-shift interlock access slot. The slot is located near the center console. The access slot does not have a label.

Note: Make sure that you correctly identify the access hole as not to damage the media hub.

3. Using a tool, press and hold the brake shift interlock switch. The shift buttons on the instrument panel flash when your vehicle is in override mode.
4. With the override switch still held, press the neutral button (N) to shift from park.
5. Release the override button.
6. Your vehicle remains in Stay in Neutral mode for wrecker towing purposes or can be shifted to the desired gear and driven (if possible).
7. Release the parking brake.

If Your Vehicle Gets Stuck In Mud or Snow

Note: Do not rock your vehicle if the engine is not at normal operating temperature or damage to the transmission may occur.

Note: Do not rock your vehicle for more than a minute or damage to the transmission and tires may occur, or the engine may overheat.

If your vehicle gets stuck in mud or snow, you may be able to rock it out by shifting between forward and reverse gears, stopping between shifts in a steady pattern. Press lightly on the accelerator in each gear.

Brakes

GENERAL INFORMATION

Note: *Occasional brake noise is normal. If a metal-to-metal, continuous grinding or continuous squeal sound is present, the brake linings may be worn-out. Have the system checked by an authorized dealer. If the vehicle has continuous vibration or shudder in the steering wheel while braking, have it checked by an authorized dealer.*

Note: *Brake dust may accumulate on the wheels, even under normal driving conditions. Some dust is inevitable as the brakes wear and does not contribute to brake noise. See **Cleaning the Wheels** (page 325).*



See **Warning Lamps and Indicators** (page 104).

Wet brakes result in reduced braking efficiency. Gently press the brake pedal a few times when driving from a car wash or standing water to dry the brakes.

Brake Over Accelerator

In the event the accelerator pedal becomes stuck or entrapped, apply steady and firm pressure to the brake pedal to slow the vehicle and reduce engine power. If you experience this condition, apply the brakes and bring your vehicle to a safe stop. Move the transmission to park (P), switch the engine off and apply the parking brake. Inspect the accelerator pedal for any interference. If none are found and the condition persists, have your vehicle towed to the nearest authorized dealer.

Brake Assist

Brake assist detects when you rapidly brake by measuring the rate at which you press the brake pedal. It provides maximum braking efficiency as long as you press the pedal. Brake assist can reduce stopping distances in critical situations.

Anti-lock Brake System

This system helps you maintain steering control during emergency stops by keeping the brakes from locking.



This lamp momentarily illuminates when you switch the ignition on. If the light does not illuminate during start up, remains on or flashes, the anti-lock braking system may be disabled. Have the system checked by an authorized dealer. If the anti-lock brake system is disabled, normal braking is still effective.



If the brake warning lamp illuminates when you release the parking brake, have your system checked by an authorized dealer. It also illuminates momentarily when you switch the ignition on to confirm the lamp is functional. If it does not illuminate when you switch the ignition on or begins to flash at any time, have the system checked by an authorized dealer.

Note: *The brake warning lamp may illuminate and stay illuminated until you switch off your vehicle as a result of driving at high elevation.*

Brakes

Regenerative Braking System

This feature is used to simulate the engine braking of an internal combustion engine and assist the standard brake system while recovering some of the energy of motion and storing it in the battery to improve fuel economy. The standard brake system is designed to fully stop the car if regenerative braking is not available. During regenerative braking, the motor is spun as a generator to create electrical current. This recharges the battery and slows the vehicle. In effect, once the accelerator pedal is released, the motor changes from an energy user to an energy producer.

When you release the accelerator pedal or press the brake pedal, the brake controller automatically detects the amount of deceleration requested and optimizes how much of the deceleration will be produced by regenerative braking. The remaining portion is generated by standard friction braking. When the battery is almost fully charged, the amount of regenerative braking is limited to avoid overcharging, and the requested deceleration is produced by standard friction braking alone.

Regenerative braking does not take the place of the standard friction brakes; it only assists them. Regenerative braking has also been designed to interact with the anti-lock brake system. Regenerative braking is disabled when the anti-lock brake system is activated or the battery is fully charged.

HINTS ON DRIVING WITH ANTI-LOCK BRAKES

The anti-lock braking system does not eliminate the risks when:

- You drive too closely to the vehicle in front of you.
- Your vehicle is hydroplaning.
- You take corners too fast.
- The road surface is poor.

Note: *If the system activates, the brake pedal may pulse and may travel further. Maintain pressure on the brake pedal. You may also hear a noise from the system. This is normal.*

ELECTRIC PARKING BRAKE



WARNING: Always fully apply the parking brake and make sure you shift into park (P). Failure to follow this instruction could result in personal injury or death.



WARNING: If you drive extended distances with the parking brake applied, you could cause damage to the brake system.



WARNING: The electric parking brake does not operate if the vehicle battery is running out of charge.

Your vehicle has an electric parking brake. You operate it with a switch instead of a lever. The switch is on the center console or to the left-hand side of the steering wheel, on the lower part of the instrument panel.

Note: *The electric parking brake makes noises during operation. This is normal.*

Brakes

Applying the Electric Parking Brake



Pull the switch upward.



The red warning lamp flashes during operation and illuminates when the parking brake is applied.



Note: *It remains illuminated for a short period of time after you switch the ignition off.*

If it continues to flash or does not illuminate, the system has malfunctioned. Have your vehicle checked as soon as possible.

Note: *You can apply the electric parking brake when the ignition is off.*

Note: *The electric parking brake could automatically apply when you shift into park (P). See **Transmission** (page 193).*

Applying the Electric Parking Brake in an Emergency

Note: *Do not apply the electric parking brake when your vehicle is moving, except in an emergency. If you repeatedly use the electric parking brake to slow or stop your vehicle, you could cause damage to the brake system.*

You can use the electric parking brake to slow or stop your vehicle in an emergency.



Pull the switch upward and hold it.



The red warning lamp illuminates, a tone sounds and the stoplamps turn on.



The electric parking brake continues to slow your vehicle down unless you release the switch.

Manually Releasing the Electric Parking Brake

Switch the ignition on.

Press and hold the brake pedal.



Push the switch downward.



The red warning lamp turns off.



If it remains illuminated or flashes, the system has malfunctioned. Have your vehicle checked as soon as possible.

Pulling Away on a Hill When Towing a Trailer

Press and hold the brake pedal.



Pull the switch upward and hold it.

Shift into gear.

Press the accelerator pedal until engine has developed sufficient torque to prevent your vehicle from rolling down the hill.



Release the switch and pull away in a normal manner.

Brakes

Automatically Releasing the Electric Parking Brake

Close the driver door.

Shift into gear.

Press the accelerator pedal and pull away in a normal manner.



The red warning lamp turns off.



If it remains illuminated or flashes, the electric parking brake has not released. Manually release the parking brake.

Releasing the Electric Parking Brake if the Vehicle Battery is Running Out of Charge

Connect a booster battery to the vehicle battery to release the electric parking brake if the vehicle battery is running out of charge. See **Jump Starting the Vehicle** (page 267).

AUTO HOLD



WARNING: The system does not replace the parking brake. When you leave your vehicle, always apply the parking brake.



WARNING: You must remain in your vehicle when the system turns on. At all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.



WARNING: The system will turn off if a malfunction is apparent. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.

Auto Hold uses your vehicle's brakes to hold your vehicle at a stop once your vehicle has reached a standstill condition. For example, Auto Hold can assist you while stopping at traffic lights or while in traffic jams by holding the brake pressure for you once you bring your vehicle to a stop.

Switch Auto Hold off during vehicle or trailer towing.

Note: *In case of a malfunction in the system while Auto Hold actively holds the vehicle (for example, low power supply), a message appears in the information display asking you to press the brake pedal. If you see this message, press the brake pedal immediately.*

Note: *Auto Hold only activates if the system recognizes it is applying enough brake pressure. On a steep hill or incline, you may need to make sure the brake pedal is pressed sufficiently to activate the Auto Hold system.*

Brakes

Note: In some cases, Auto Hold might hand over to the parking brake. When the parking brake applies, the red brake lamp appears. This is normal. When you press the accelerator pedal, the drive away release feature releases the parking brake.

Note: Auto Hold works on all road grades.



Press the Auto Hold button to switch the system on and off. The Auto Hold indicator light illuminates in the Auto Hold button when the system is on.

Note: You can only switch Auto Hold on if you close the door and fasten your seatbelt.

Note: Auto Hold remembers the last on or off setting when you start your vehicle.

Note: When in reverse (R), Auto Hold does not function.

When Auto Hold is off, your vehicle behaves the same as a vehicle without Auto Hold.

There is an Auto Hold indicator lamp in the instrument cluster that has two modes, active and unavailable:

AUTO HOLD The Auto Hold (ACTIVE) indicator light illuminates in the information display when the system holds your vehicle stationary. When in active mode, press the brake pedal and the Auto Hold button to switch Auto Hold off.

~~AUTO HOLD~~ The Auto Hold (UNAVAILABLE) indicator light illuminates in the information display when the system is on but unavailable to hold your vehicle (for example, during Active Park Assist, Stay in Neutral Mode, or when you do not fasten your seatbelt or close the door).

Brakes

Note: Make sure you switch off Auto Hold or use the Stay in Neutral mode before you enter a car wash. See **Automatic Transmission** (page 193).

Using Auto Hold

1. Bring your vehicle to a stop by pressing the brake pedal. After coming to a stop, the green Auto Hold (ACTIVE) indicator lamp illuminates in the information display.
2. Release the brake pedal. The Auto Hold (ACTIVE) indicator light remains illuminated in the information display and Auto Hold will hold your vehicle at a stop.
3. When you press the accelerator pedal, Auto Hold releases the brakes and you will be able to drive off. Once you drive off, the green Auto Hold (ACTIVE) indicator no longer illuminates in the information display.

Note: The Stop/Start system (if equipped) may stop the engine when you press the brake pedal. If this occurs, it will restart once you press the accelerator pedal. Auto Hold still holds your vehicle at a standstill with the engine off.

Traction Control

PRINCIPLE OF OPERATION

The traction control system helps avoid drive wheel spin and loss of traction.

If your vehicle begins to slide, the system applies the brakes to individual wheels and, when needed, reduces engine power at the same time. If the wheels spin when accelerating on slippery or loose surfaces, the system reduces engine power in order to increase traction.

USING TRACTION CONTROL



WARNING: The stability and traction control light illuminates steadily if the system detects a failure. Make sure you did not manually disable the traction control system using the information display controls or the switch. If the stability control and traction control light is still

illuminating steadily, have the system serviced by an authorized dealer immediately. Operating your vehicle with the traction control disabled could lead to an increased risk of loss of vehicle control, vehicle rollover, personal injury and death.

The system automatically turns on each time you switch the ignition on.

If your vehicle is stuck in mud or snow, switching traction control off may be beneficial as this allows the wheels to spin.

Note: When you switch traction control off, stability control remains fully active.

Switching the System Off

When you switch the system off or on, a message appears in the information display showing system status.

You can switch the system off by either using the information display controls or the switch.

Using the Information Display Controls

You can switch this feature off or on in the information display. See **General Information** (page 110).

Using a Switch (If Equipped)

Use the traction control switch on the instrument panel to switch the system off or on.

System Indicator Lights and Messages



The stability and traction control light:

- Temporarily illuminates on engine start-up.
- Flashes when a driving condition activates either of the systems.
- Illuminates if a problem occurs in either of the systems.



The stability and traction control off light temporarily illuminates on engine start-up and stays on when you switch the traction control system off.

Stability Control

PRINCIPLE OF OPERATION



WARNING: Vehicle modifications involving braking system, aftermarket roof racks, suspension, steering system, tire construction and wheel and tire size may change the handling characteristics of your vehicle and may adversely affect the performance of the electronic stability control system. In addition, installing any stereo loudspeakers may interfere with and adversely affect the electronic stability control system. Install any aftermarket stereo loudspeaker as far as possible from the front center console, the tunnel, and the front seats in order to minimize the risk of interfering with the electronic stability control sensors. Reducing the effectiveness of the electronic stability control system could lead to an increased risk of loss of vehicle control, vehicle rollover, personal injury and death.



WARNING: Remember that even advanced technology cannot defy the laws of physics. It's always possible to lose control of a vehicle due to inappropriate driver input for the conditions. Aggressive driving on any road condition can cause you to lose control of your vehicle increasing the risk of personal injury or property damage. Activation of the electronic stability control system is an indication that at least some of the tires have exceeded their ability to grip the road; this could reduce the operator's ability to control the vehicle potentially resulting in a loss of vehicle control, vehicle rollover, personal injury and death. If your electronic stability control system activates, **SLOW DOWN**.

The system automatically turns on each time you switch the ignition on.

If a fault occurs in either the stability control or the traction control system, you may experience the following conditions:

- The stability and traction control light illuminates steadily.
- The stability control and traction control systems do not enhance your vehicle's ability to maintain traction of the wheels.

If a driving condition activates either the stability control or the traction control system you may experience the following conditions:

- The stability and traction control light flashes.
- Your vehicle slows down.
- Reduced engine power.
- A vibration in the brake pedal.
- The brake pedal is stiffer than usual.
- If the driving condition is severe and your foot is not on the brake, the brake pedal may move as the system applies higher brake force.

The stability control system has several features built into it to help you maintain control of your vehicle:

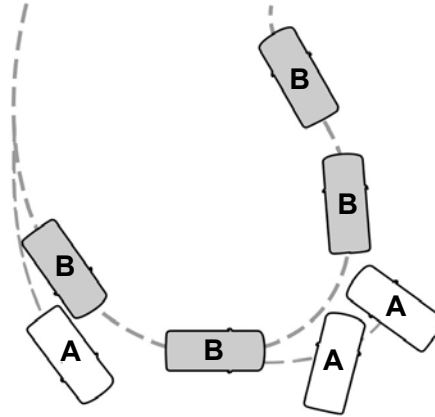
Stability Control

Electronic Stability Control

The system enhances your vehicle's ability to prevent skids or lateral slides by applying brakes to one or more of the wheels individually and, if necessary, reducing engine power.

Traction Control

The system enhances your vehicle's ability to maintain traction of the wheels by detecting and controlling wheel spin. See **Using Traction Control** (page 204).



E72903

- A Vehicle without stability control skidding off its intended route.
- B Vehicle with stability control maintaining control on a slippery surface.

USING STABILITY CONTROL

The system automatically turns on each time you switch the ignition on.

The electronic stability control portion of the system disables when the transmission is in reverse (R) or, on some models, if you press and hold the stability control button for more than five seconds when you apply the brakes and the vehicle is at a stop.

You can switch the traction control system off or on independently.

Stability Control

Stability Control and Traction Control Features					
Button Functions	Mode	Stability Control Off Light	Electronic Stability Control	Traction Control System	Collision Warning with Brake Support
Default at start-up	Stability and traction control fully enabled	On during bulb check	Enabled	Enabled	Enabled
Button pressed momentarily	Traction control off	On	Enabled	Disabled	Enabled
Button pressed twice rapidly	Sport mode (if equipped)	On	Enabled with higher threshold target	Enabled with higher threshold target	Disabled
Button pressed and held more than five seconds	Stability and traction control fully disabled	On	Disabled	Disabled	Disabled
Button pressed again after deactivation	Stability and traction control fully enabled	Off	Enabled	Enabled	Enabled

Note: *Stability control fully off can only occur when you put the Active Suspension System (CCD) in sport mode. If you are not in sport mode or change from sport mode to another mode, the stability control enables.*

Note: *Do not use Sport mode on public roadways.*

Your vehicle, if equipped with sport mode allows you to reduce normal stability and traction control system intervention and provide a more spirited driving experience. To enter sport mode, press the stability control button twice rapidly. A message appears in the information display that the system is now in sport mode.

Parking Aids

PRINCIPLE OF OPERATION



WARNING: To help avoid personal injury, always use caution when in reverse (R) and when using the sensing system.



WARNING: The system may not detect objects with surfaces that absorb reflection. Always drive with due care and attention. Failure to take care may result in a crash.



WARNING: Traffic control systems, inclement weather, air brakes, external motors and fans may affect the correct operation of the sensing system. This may cause reduced performance or false alerts.



WARNING: The system may not detect small or moving objects, particularly those close to the ground.

Note: If your vehicle has MyKey™, the sensing system cannot be switched off when a MyKey™ is present. See **Principle of Operation** (page 62).

Note: Keep the sensors on the bumper or fascia free from snow, ice and large accumulations of dirt. If the sensors are covered, the system's accuracy can be affected. Do not clean the sensors with sharp objects.

Note: If your vehicle sustains damage to the bumper or fascia, leaving it misaligned or bent, the sensing zone may be altered causing inaccurate measurement of obstacles or false alerts.

Note: Certain add-on devices installed around the bumper or fascia may create false alerts. For example, large trailer hitches, bike or surfboard racks, license plate brackets, bumper covers or any other device that may block the normal detection zone of the system. Remove the add-on device to prevent false alerts.

Note: When you connect a trailer to your vehicle, the rear parking aid may detect the trailer and therefore provide an alert. Disable the rear parking aid when you connect a trailer to prevent the alert.

The sensing system warns the driver of obstacles within a certain range of your vehicle. The system turns on automatically whenever you switch the ignition on.

You can switch the system off through the information display menu or from the pop-up message that appears once you shift the transmission into reverse (R). See **General Information** (page 110). If your vehicle has a parking aid button, you can switch the system off by pressing the button.

If a fault is present in the system, a warning message appears in the information display. See **Information Messages** (page 121).

REAR PARKING AID



WARNING: The system may not detect objects with surfaces that absorb reflection. Always drive with due care and attention. Failure to take care may result in a crash.

Parking Aids



WARNING: The system may not detect small or moving objects, particularly those close to the ground.



WARNING: To help avoid personal injury, always use caution when in reverse (R) and when using the sensing system.



WARNING: The parking aid system can only assist you to detect objects when your vehicle is moving at parking speeds. To help avoid personal injury you must take care when using the parking aid system.

Note: Keep the sensors free from snow, ice and large accumulations of dirt.

Note: Do not cover up the sensors.

Note: Do not clean the sensors with sharp objects.

Note: If your vehicle sustains damage leaving the sensors misaligned, this may cause inaccurate measurements or false alerts.

Note: Some accessories, for example large trailer hitches or bike or surfboard racks can cause reduced performance or false alerts.

The sensors are on the rear bumper.

The sensors are active when the transmission is in reverse (R) and the vehicle speed is less than 3 mph (5 km/h). When the parking aid system sounds a tone, the audio system may reduce the set volume.

A warning tone sounds when your vehicle approaches an object. As your vehicle moves closer to an object, the rate of the tone increases. The warning tone continuously sounds when an object is 12 in (30 cm) or less from the center of the rear bumper.

Note: There is a decreased coverage area at the outer corners.



E130178

The sensor coverage area is up to 70 in (180 cm) from the rear bumper.

If the system detects a fault, a warning message appears in the information display.

Parking Aids

The system detects large objects when you shift into reverse (R) and any of the following occur:

- Your vehicle is moving backward at low speed.
- Your vehicle is stationary but an object is approaching the rear of your vehicle at low speed.
- Your vehicle is moving backward at low speed and an object is moving toward your vehicle, for example another vehicle at low speed.

If your vehicle remains stationary for two seconds the audible warning turns off. If your vehicle moves backward the tone sounds again.

Note: *If the detected object is 12 in (30 cm) or less from the rear bumper, the audible warning does not turn off.*

Object Distance Indicator (If Equipped)



E190459

The system provides object distance indication through the information display.

- As the distance to the object decreases, the indicator blocks illuminate and move toward the vehicle icon.
- If the system does not detect an object, the distance indicator blocks are gray.

When you shift into reverse (R), the system provides audible warnings and visual indication when your vehicle is moving and the detected object is moving toward your vehicle. When you stop your vehicle, the audible warnings stop after two seconds. Visual indication remains on when the transmission is in reverse (R).

FRONT PARKING AID (IF EQUIPPED)



WARNING: The system may not detect objects with surfaces that absorb reflection. Always drive with due care and attention. Failure to take care may result in a crash.



WARNING: The system may not detect small or moving objects, particularly those close to the ground.



WARNING: To help avoid personal injury, always use caution when in reverse (R) and when using the sensing system.

Parking Aids



WARNING: The parking aid system can only assist you to detect objects when your vehicle is moving at parking speeds. To help avoid personal injury you must take care when using the parking aid system.

Note: *Keep the sensors free from snow, ice and large accumulations of dirt.*

Note: *Do not cover up the sensors.*

Note: *Do not clean the sensors with sharp objects.*

Note: *If your vehicle sustains damage leaving the sensors misaligned, this may cause inaccurate measurements or false alerts.*

Note: *Some accessories, for example large trailer hitches or bike or surfboard racks can cause reduced performance or false alerts.*

The sensors are on the front bumper.

The sensors are active when the transmission is in any position other than park (P). When the parking aid system sounds a tone, the audio system may reduce the set volume.

A warning tone sounds when your vehicle approaches an object. As your vehicle moves closer to an object, the rate of the tone increases. The warning tone continuously sounds when an object is 12 in (30 cm) or less from the front bumper.

Note: *There is a decreased coverage area at the outer corners.*

The system turns off when the vehicle speed reaches 5 mph (8 km/h).



E187330

The sensor coverage area is up to 28 in (70 cm) from the center of the bumper.

If the transmission is in reverse (R), the system detects objects when your vehicle is moving at low speed or an object is moving toward your vehicle, for example another vehicle at low speed. When you stop your vehicle, the audible warning turns off after two seconds.

If the transmission is in any forward gear, the system provides audible warnings when your vehicle is moving and an object is within the detection area. When you stop your vehicle, the audible warning turns off after two seconds and the visual warning turns off after four seconds.

If the system detects a fault, a warning message appears in the information display.

Parking Aids

Object Distance Indicator (If Equipped)



E190459

The system provides object distance indication through the information display.


- As the distance to the object decreases, the indicator blocks illuminate and move toward the vehicle icon.
- If there is no object detected, the distance indicator blocks are gray.


When you shift into any forward gear, the system provides audible warnings and visual indication when your vehicle is moving at a speed of approximately 5 mph (8 km/h) or below and the system detects an object within the detection zone. When you stop your vehicle, the audible warnings stop after two seconds and visual indication stops after four seconds.


Note: *If the detected object is 12 in (30 cm) or less from your vehicle, visual indication remains on.*


When you shift into neutral (N), the system only provides visual indication if your vehicle is moving at a speed of approximately 5 mph (8 km/h) or below, for example, your vehicle is moving on a slope, and the system detects an object moving toward your vehicle. When you stop your vehicle, visual indication stops after four seconds.

SIDE SENSING SYSTEM (IF EQUIPPED)

 **WARNING:** The system may not detect objects with surfaces that absorb reflection. Always drive with due care and attention. Failure to take care may result in a crash.

 **WARNING:** The system may not detect small or moving objects, particularly those close to the ground.

 **WARNING:** To help avoid personal injury, always use caution when in reverse (R) and when using the sensing system.

 **WARNING:** The parking aid system can only assist you to detect objects when your vehicle is moving at parking speeds. To help avoid personal injury you must take care when using the parking aid system.

Note: *Keep the sensors free from snow, ice and large accumulations of dirt.*

Note: *Do not cover up the sensors.*

Parking Aids

Note: Do not clean the sensors with sharp objects.

Note: If your vehicle sustains damage leaving the sensors misaligned, this may cause inaccurate measurements or false alerts.

Note: If you switch traction control off, the side sensing system also turns off.

Note: Some accessories, for example large trailer hitches or bike or surfboard racks can cause reduced performance or false alerts.

Note: The system does not detect an object that is moving toward the side of your vehicle, for example another vehicle moving at low speed, if it does not pass a front or rear sensor.

The system uses the front and rear outermost parking aid sensors to detect objects that are near to the sides of your vehicle. The system displays them on a virtual map in the information display as your vehicle moves past them.

The sensors are on the front and rear bumpers.

The system may not function if:

- You switch the ignition on, off and back on within a few seconds.
- Your vehicle remains stationary for over two minutes.
- The anti-lock brake system activates.
- The traction control system activates.

To reinitialize the system, you may have to drive your vehicle approximately 10 ft (3 m).



E190458

The sensor coverage area is up to 24 in (60 cm) from the side of your vehicle.

When the system detects an object within the coverage area and the driving path of your vehicle, an audible warning sounds. As the object moves closer to your vehicle, the rate of the tone increases.

Object Distance Indicator (If Equipped)



E190459

The system provides object distance indication through the information display.

Parking Aids

- As the distance to the object decreases, the indicator blocks illuminate and move toward the vehicle icon.
- If there is no object detected, the distance indicator blocks are gray.

When you shift into reverse (R), the system provides audible warnings and visual indication when detected objects are within 24 in (60 cm) and are inside the driving path of your vehicle. When you stop your vehicle, the audible warnings turn off after two seconds.

When you shift into any forward gear, the system provides audible warnings and visual indication when your vehicle is moving at a speed of approximately 5 mph (8 km/h) or below and the system detects an object within the detection zone. When you stop your vehicle, the audible warnings turn off after two seconds and visual indication turns off after four seconds.

When you shift into neutral (N), the system only provides visual indication if your vehicle is moving at a speed of approximately 5 mph (8 km/h) or below. For example, your vehicle is moving on a slope, and the system detects an object moving toward your vehicle. When you stop your vehicle, visual indication turns off after four seconds.

If the system is not available, the side distance indicator blocks do not display.

ACTIVE PARK ASSIST (IF EQUIPPED)



WARNING: You must remain in your vehicle when the system turns on. At all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.



WARNING: The sensors may not detect objects in heavy rain or other conditions that cause interference.



WARNING: Active park assist does not apply the brakes under any circumstances.



WARNING: You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

Note: Keep the sensors free from snow, ice and large accumulations of dirt.

Note: Do not cover up the sensors.

Note: Do not clean the sensors with sharp objects.

Note: The sensors may not detect objects with surfaces that absorb ultrasonic waves. The sensors may falsely detect objects due to ultrasonic interference caused by motorcycle exhausts, truck air brakes or horns, for example.

Parking Aids

Note: If you change any tires, the system must recalibrate and may not correctly operate for a short time.

Active park assist is a multi-step process and may require you to shift the transmission multiple times. Follow the onscreen instructions until the parking maneuver is complete.

If you are uncomfortable with the proximity to any vehicle or object, you may choose to override the system by grabbing the steering wheel, or by taking full control of your vehicle after pressing the active park assist button.

Keep your hands, hair, clothing and any loose items clear of the steering wheel when using active park assist.

The sensors are on the front and rear bumpers.

The system may not correctly operate in any of the following conditions:

- You use a spare tire or a tire that is significantly worn more than the other tires.
- One or more tires are incorrectly inflated.
- You try to park on a tight curve.

- Something passes between the front bumper and the parking space. For example, a pedestrian or cyclist.
- The edge of the neighboring parked vehicle is high off the ground. For example, a bus, tow truck or flatbed truck.
- The weather conditions are poor. For example, during heavy rain, snow, fog, high humidity and high temperatures.

Do not use the system if:

- You have attached an add-on accessory close to the sensors on the front or rear of your vehicle. For example, a bike rack or trailer.
- You have attached an overhanging object to the roof. For example, a surfboard.
- The front bumper, rear bumper or the side sensors are damaged.
- The correct tire size is not in use on your vehicle. For example, a mini-spare tire.

Using Active Park Assist

Selecting an Active Park Assist Mode



Press the button once to activate parallel parking. Press the button a second time to activate perpendicular parking. If you press the button again the system switches off.

If your vehicle is parked and after you switch the ignition on, you can use the information display to toggle through the modes. Press the button to switch the system on and open the system menu in the information display.

Note: If your vehicle is parked, the default mode is parallel park out assist. However, if you did not use active park assist to parallel park your vehicle, use the information display to select park out assist.

Note: You can repeatedly press the active park assist button to toggle through the modes only after moving your vehicle approximately 33 ft (10 m).

Parking Aids

To toggle through the modes, use the buttons on the information display to select the following:

- Parallel parking.
- Perpendicular parking.
- Parallel park out assist.
- Switch the system off.

Note: *There is no time limit for toggling through the modes.*

Parallel Parking

The system detects available parallel parking spaces and steers your vehicle into the space. You control the accelerator, gearshift and brakes. The system visually and audibly guides you into a parallel parking space.



Press the button once to search for a parking space.

Note: *You can also switch the system on after you have already driven partially or completely past a parking space. Press the active park assist button and the system informs you if you have recently passed a suitable parking space.*

When the vehicle speed is less than 22 mph (35 km/h), the system scans both sides of your vehicle for an available parking space. A message and a graphic appear in the information display to indicate the system is searching for a parking space. Use the direction indicator lever to search for a parking space on the driver or passenger side of your vehicle.

Note: *The system scans both sides of your vehicle and offers parking spaces one side at a time if you do not use the direction indicator.*

Note: *The system defaults to the passenger side if you do not use the direction indicator.*



Drive your vehicle approximately 3 ft (1 m) and parallel to the other parked vehicles when searching for a parking space.

Note: *If you drive your vehicle less than 2 ft (0.5 m) or greater than 5 ft (1.5 m) away from other parked vehicles, the system may not be able to detect an available parking space.*

When the system detects a suitable space, a message displays and a tone sounds. Stop your vehicle and follow the onscreen instructions. If your vehicle is moving very slowly, you may have to move forward a short distance before the system is ready to park.

Note: *You must observe that the space the system selects remains clear of obstructions at all times during the maneuver.*

Note: *The system always offers the last parking space it detects. For example, if your vehicle detects multiple spaces when you are driving, it offers the last one.*

Note: *If the vehicle speed is greater than approximately 22 mph (35 km/h), the system shows a message to instruct you to reduce the vehicle speed.*

Parking Aids

Automatically Steering into a Parallel Parking Space

When you shift into reverse (R), with your hands off the steering wheel and nothing obstructing its movement, your vehicle steers itself into the space. The system displays instructions to move your vehicle backward and forward in the space.

Note: *If the vehicle speed exceeds approximately 6 mph (9 km/h), you interrupt the maneuver, or the system switches off, you must take full control of your vehicle.*

Note: *If the system detects an object is very close to your vehicle and it may be unsafe to continue the maneuver, it may instruct you to stop your vehicle. The system may not provide any further instruction. Steering assistance continues to operate but you must decide if it is safe to continue the maneuver.*



When you believe your vehicle is correctly parked, or a solid tone sounds and an information message appears, bring your vehicle to a complete stop.

When the Active Park Assist maneuver is complete, a tone sounds and an information message appears.

Note: *You are responsible for checking how your vehicle is parked and making any necessary corrections before leaving your vehicle.*

Deactivating Active Park Assist

You can manually deactivate the system by:

- Pressing the Active Park Assist button during an active maneuver.
- Grabbing the steering wheel during an active maneuver.
- Driving above 22 mph (35 km/h) for 30 seconds when searching for a parking space.
- Driving above 6 mph (9 km/h) during an active maneuver.
- Switching the traction control system off.

Certain vehicle conditions may also deactivate the system, for example:

- The traction control system activates or fails.
- The anti-lock brake system activates or fails.

If the system malfunctions, a message appears and a tone sounds. Have your vehicle checked as soon as possible.

Perpendicular Parking

The system detects available perpendicular parking spaces and steers your vehicle into the space. You control the accelerator, gearshift and brakes. The system visually and audibly guides you into a perpendicular parking space.



Press the button twice to search for a parking space.

Parking Aids

When the vehicle speed is less than 19 mph (30 km/h), the system scans both sides of your vehicle for an available parking space. A message and a graphic appear in the information display to indicate the system is searching for a parking space. Use the direction indicator lever to search for a parking space on the driver or passenger side of your vehicle.

Note: The system scans both sides of your vehicle and offers parking spaces one side at a time if you do not use the direction indicator.

Note: The system defaults to the passenger side if you do not use the direction indicator.



Drive your vehicle approximately 3 ft (1 m) and perpendicular to the other parked vehicles when searching for a parking space.

Note: If you drive your vehicle less than 2 ft (0.5 m) or greater than 5 ft (1.5 m) away from other parked vehicles, the system may not be able to detect an available parking space.

When the system detects a suitable space, a message displays and a tone sounds. Stop your vehicle and follow the onscreen instructions. If your vehicle is moving very slowly, you may have to move forward a short distance before the system is ready to park.

Note: You must observe that the space the system selects remains clear of obstructions at all times during the maneuver.

Note: The system always offers the last detected parking space. For example, if your vehicle detects multiple spaces when you are driving, it offers the last one.

Note: If the vehicle speed is greater than approximately 19 mph (30 km/h), the system shows a message to instruct you to reduce the vehicle speed.

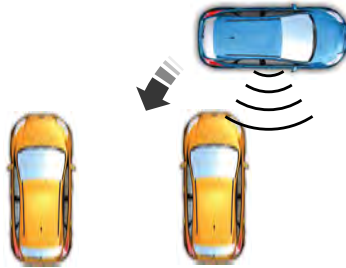
Automatically Steering into a Perpendicular Parking Space

When you shift into reverse (R), with your hands off the steering wheel and nothing obstructing its movement, your vehicle steers itself into the space. The system displays instructions to move your vehicle backward and forward in the space.

Note: If the vehicle speed exceeds approximately 6 mph (9 km/h), you interrupt the maneuver, or the system switches off, you must take full control of your vehicle.

Note: If the system detects an object is very close to your vehicle and it may be unsafe to continue the maneuver, it may instruct you to stop your vehicle. The system may not provide any further instruction. Steering assistance continues to operate but you must decide if it is safe to continue the maneuver.

Parking Aids



E186191

When you believe your vehicle is correctly parked, or a solid tone sounds and an information message appears, bring your vehicle to a complete stop.

When the active park assist maneuver is complete, a tone sounds and a message appears.

Note: *You are responsible for checking how your vehicle is parked and making any necessary corrections before leaving your vehicle.*

Deactivating Active Park Assist

You can manually deactivate the system by:

- Pressing the Active Park Assist button during an active maneuver.
- Grabbing the steering wheel during an active maneuver.
- Driving above 19 mph (30 km/h) for 30 seconds when searching for a parking space.
- Driving above 6 mph (9 km/h) during an active maneuver.
- Switching the traction control system off.

Certain vehicle conditions may also deactivate the system, for example:

- The traction control system activates or fails.
- The anti-lock brake system activates or fails.

If the system malfunctions, a message appears and a tone sounds. Have your vehicle checked as soon as possible.

Parallel Park Out Assist

The system steers your vehicle out of a parallel parking space. You control the accelerator, gearshift and brakes. The system visually and audibly guides you out of a parallel parking space.

Note: *This system is not intended to assist when exiting a perpendicular parking space.*



Press the button once when your vehicle is stationary in a parallel parking space.

Note: *If you did not use active park assist to parallel park your vehicle, pressing the button once selects parallel park. You must use the information display to select park out assist.*

The system displays a message instructing you to switch a direction indicator on. Use the direction indicator to select which side of your vehicle you want to exit the parking space. The system displays instructions to move your vehicle backward and forward in the space.

Parking Aids

Note: If the system detects an object is very close to your vehicle and it may be unsafe to continue the maneuver, it may instruct you to stop your vehicle. The system may not provide any further instruction. Steering assistance continues to operate but you must decide if it is safe to continue the maneuver.



After the system directs your vehicle to a position where you can exit the parking space in a forward movement, a message appears instructing you to take full control of your vehicle. Generally, hand-over is when your vehicle is still inside the parking space.

Note: Parallel Park Out Assist may not be available when the clearance to the front or the rear of your vehicle is too small.

Note: If the vehicle speed exceeds approximately 6 mph (9 km/h), you interrupt the maneuver, or the system switches off, you must take full control of your vehicle.

Note: You are responsible for controlling your vehicle and making sure the path is clear prior to pulling into traffic.

Troubleshooting

Symptom	Possible Cause
The system does not search for a parking space.	You may have switched the traction control off.
	The transmission is in reverse (R). Your vehicle must be moving forward to be able to detect a parking space.
The system does not offer a parking space.	The sensors may be blocked. For example, snow, ice or dirt buildup. Blocked sensors can affect how the system functions.
	There is not enough room in the parking space for your vehicle to safely park.
	There is not enough space for the parking maneuver on the opposite side of the parking space.

Parking Aids

Symptom	Possible Cause
	The parking space is more than 5 ft (1.5 m) or less than 2 ft (0.5 m) away.
	The vehicle speed is greater than 22 mph (35 km/h) for parallel parking or greater than 19 mph (30 km/h) for perpendicular parking.
	You recently disconnected or replaced the battery. After you reconnect the battery you must drive your vehicle on a straight road for a short period of time.
The system does not correctly position your vehicle in a parking space.	Your vehicle is rolling in the opposite direction of the current transmission position. For example, rolling forward when in reverse (R).
	An irregular curb along the parking space prevents the system from correctly aligning your vehicle.
	Vehicles or objects bordering the space may not be correctly parked.
	Your vehicle stopped too far past the parking space.
	The tires may not be correctly installed or maintained. For example, not inflated correctly, improper size, or of different sizes.
	A repair or alteration changes the detection capabilities.

Parking Aids

Symptom	Possible Cause
	A parked vehicle has a high attachment. For example, a salt sprayer, snowplow or moving truck bed.
	The parking space length or position of parked objects changes after your vehicle passes the space.
	The temperature around your vehicle quickly changes. For example, driving from a heated garage into the cold, or after leaving a car wash.

REAR VIEW CAMERA



WARNING: The rear view camera system is a reverse aid supplement device that still requires the driver to use it in conjunction with the interior and exterior mirrors for maximum coverage.



WARNING: Objects that are close to either corner of the bumper or under the bumper, might not be seen on the screen due to the limited coverage of the camera system.



WARNING: Back up as slow as possible since higher speeds might limit your reaction time to stop your vehicle.



WARNING: Use caution when using the rear video camera and the trunk is ajar. If the trunk is ajar, the camera will be out of position and the video image may be incorrect. All guidelines (if enabled) have been removed when the trunk is ajar.



WARNING: Use caution when turning camera features on or off while in reverse (R). Make sure your vehicle is not moving.

The rear view camera system provides a video image of the area behind your vehicle. The image will display in either the rear view mirror or the display in the center of the instrument panel.

During operation, lines will appear in the display that represent your vehicle’s path and proximity to objects behind your vehicle.

Parking Aids



E152548

The camera is located on the trunk near the high-mount brake lamp.

Using the Rear View Camera System

The rear view camera system displays what is behind your vehicle when you place the transmission in reverse (R).

The system uses three types of guides to help you see what is behind your vehicle:

- Active guidelines: Show the intended path of your vehicle when reversing.
- Fixed guidelines: Show the actual path your vehicle is moving in while reversing in a straight line. This can be helpful when backing into a parking space or aligning your vehicle with another object behind you.
- Centerline (if applicable): Helps align the center of your vehicle with an object (trailer).

Note: *If the transmission is in reverse (R) and the luggage compartment is ajar, no rear view camera features will display.*

Note: *If the image comes on while the transmission is not in reverse (R), have the system inspected by an authorized dealer.*

Note: *When towing, the camera only sees what you are towing behind your vehicle. This might not provide adequate coverage and you might not see some objects. In some vehicles, the guidelines may disappear once you connect the trailer tow connector.*

The camera may not operate correctly under the following conditions:

- Nighttime or dark areas if the reverse lamps are not operating.
- Mud, water or debris obstructs the camera's view. Clean the lens with a soft, lint-free cloth and non-abrasive cleaner.
- The camera is misaligned due to damage to the rear of your vehicle.

To access any of the rear view camera system settings, make the following selections in the touch screen when the transmission is not in reverse (R):

- Menu > Vehicle > Camera Settings

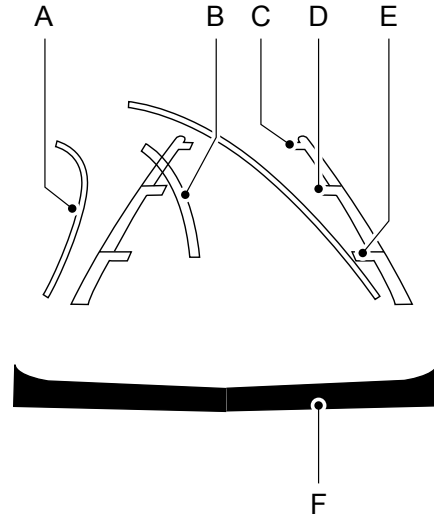
After changing a system setting, the touch screen shows a preview of the selected features.

Guidelines and the Centerline

Note: *Active guidelines and fixed guidelines are only available when the transmission is in reverse (R).*

Note: *The centerline is only available if Active or Fixed guidelines are on.*

Parking Aids



E142436

- A Active guidelines
- B Centerline
- C Fixed guideline: Green zone

- D Fixed guideline: Yellow zone
- E Fixed guideline: Red zone
- F Rear bumper

Active guidelines are only shown with fixed guidelines. To use active guidelines, turn the steering wheel to point the guidelines toward an intended path. If you change the steering wheel position while reversing, your vehicle might deviate from the original intended path.

The fixed and active guidelines fade in and out depending on your steering wheel position. When your steering wheel position is straight, the active guidelines are not visible.

Always use caution while reversing. Objects in the red zone are closest to your vehicle and objects in the green zone are farther away. Objects are getting closer to your vehicle as they move from the green zone to the yellow or red zones. Use the side view mirrors and rear view mirror to get better coverage on both sides and rear of your vehicle.


Enhanced Park Aids

Note: The reverse sensing system is not effective at speeds above 3 mph (5 km/h) and may not detect certain angular or moving objects.

The system uses red, yellow and green highlights that appear on top of the video image when the reverse sensing system detects an object. The alert highlights the closest object detected. You can disable the reverse sensing alert if you have enhanced park aids enabled, you will still see the displayed highlighted areas.

Selectable settings for this feature are ON and OFF.

Manual Zoom

**WARNING:** When manual zoom is on, the full area behind your vehicle is not shown. Be aware of your surroundings when using the manual zoom feature.

Note: Manual zoom is only available when the transmission is in reverse (R).

Parking Aids

Note: *Only the centerline shows when you enable manual zoom.*

This allows you to get a closer view of an object behind your vehicle. The zoomed image keeps the bumper in the image to provide a reference. The zoom is only active while the transmission is in reverse (R). When you shift the transmission out of reverse (R), the feature automatically turns off and you must enable it to use it again.

Selectable settings for this feature are ON and OFF.

Rear Camera Delay

When shifting the transmission out of reverse (R) and into any gear other than park (P), the camera image remains in the display until your vehicle speed reaches 5 mph (8 km/h) or until you select a radio button.

Selectable settings for this feature are ON and OFF. The default setting for the rear camera delay is OFF.

Cruise Control

WHAT IS CRUISE CONTROL

Cruise control lets you maintain a set speed without keeping your foot on the accelerator pedal. You can use cruise control when your vehicle speed is greater than 20 mph (30 km/h).

SWITCHING CRUISE CONTROL ON AND OFF



WARNING: Do not use cruise control on winding roads, in heavy traffic or when the road surface is slippery. This could result in loss of vehicle control, serious injury or death.

The cruise controls are on the steering wheel. See **Cruise Control** (page 82).

Switching Cruise Control On

ON

Press the button.

Switching Cruise Control Off

OFF

Press the button when the system is in standby mode.

The system also turns off when you switch the ignition off.

Note: *The set speed erases when you switch the system off.*

SETTING THE CRUISE CONTROL SPEED



WARNING: When you are going downhill, your vehicle speed could increase above the set speed. The system does not apply the brakes.

Drive to the speed you prefer.

SET+

Press either button to set the current speed.

SET-

Take your foot off the accelerator pedal.

Note: *The indicator changes color in the information display.*

Changing the Set Speed

SET+

Press and release the button to increase the set speed in small increments.

Press and hold the button to accelerate. Release the button when you reach your preferred speed.

SET-

Press and release the button to decrease the set speed in small increments.

Press and hold the button to decelerate. Release the button when you reach your preferred speed.

Note: *If you accelerate by pressing the accelerator pedal, the set speed does not change. When you release the accelerator pedal, your vehicle returns to the speed that you previously set.*

Cruise Control

CANCELING THE SET SPEED

CNCL Press the button, or tap the brake pedal to cancel the set speed.


Note: The system remembers the set speed.

Note: The system cancels if the vehicle speed drops below 10 mph (16 km/h) under the set speed when driving uphill.


RESUMING THE SET SPEED


RES Press the button.


CRUISE CONTROL INDICATORS


 Illuminates when you switch the system on.


USING ADAPTIVE CRUISE CONTROL


 **WARNING:** Pay close attention to changing road conditions such as entering or leaving a highway, on roads with intersections or roundabouts, roads without visible lanes of travel, roads that are winding, slippery, unpaved, or steep slopes.


 **WARNING:** Do not use the system in poor visibility, for example fog, heavy rain, spray or snow.


 **WARNING:** Do not use the system when towing a trailer that has aftermarket electronic trailer brake controls. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

 **WARNING:** Do not use tire sizes other than those recommended because this can affect the normal operation of the system. Failure to do so may result in a loss of vehicle control, which could result in serious injury.

 **WARNING:** The system may not detect stationary or slow moving vehicles below 6 mph (10 km/h).

 **WARNING:** The system does not detect pedestrians or objects in the road.

 **WARNING:** The system does not detect oncoming vehicles in the same lane.

 **WARNING:** The system is not a crash warning or avoidance system.

The system adjusts your vehicle speed to maintain the set gap between you and the vehicle in front of you in the same lane. You can select four gap settings.

Cruise Control

The system uses a radar sensor which projects a beam directly in front of your vehicle.



E262918

The cruise controls are on the steering wheel. See **What Is Cruise Control** (page 226).

Switching Adaptive Cruise Control On

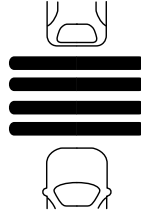


For vehicles without Speed Limiter, press and release the button.



For vehicles with Speed Limiter, press and release the button.

The indicator, current gap setting and set speed appear in the information display.



E164805

Setting the Adaptive Cruise Speed

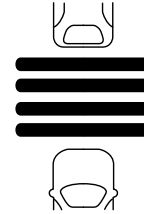
Drive to your preferred speed.



Press and release the button.

Take your foot off the accelerator pedal.

The indicator, current gap setting and set speed appear in the information display.



E164805

A vehicle graphic appears in the information display if the system detects a vehicle in front of you.

Note: When adaptive cruise control is active, the speedometer may vary slightly from the set speed displayed in the information display.

Setting the Adaptive Cruise Speed When Your Vehicle is Stationary

Follow a vehicle to a complete stop.



Press while keeping the brake pedal fully pressed.

The set speed adjusts to 20 mph (30 km/h).

The indicator, current gap setting and set speed appear in the information display.

Cruise Control

Following a Vehicle



WARNING: When following a vehicle that is braking, your vehicle does not always decelerate quickly enough to avoid a crash without driver intervention. Apply the brakes when necessary. Failure to follow this instruction could result in personal injury or death.



WARNING: The system only warns of vehicles detected by the radar sensor. In some cases there may be no warning or a delayed warning. Apply the brakes when necessary. Failure to follow this instruction could result in personal injury or death.

When a vehicle ahead of you enters the same lane or a slower vehicle is ahead in the same lane, the vehicle speed adjusts to maintain a preset gap distance. A vehicle graphic appears in the information display.

Note: The brakes may emit noise when applied by the system.

Note: When you are following a vehicle and you switch on a direction indicator, adaptive cruise control may provide a small temporary acceleration to help you pass.

Your vehicle maintains a consistent gap from the vehicle ahead until:

- The vehicle in front of you accelerates to a speed above the set speed.
- The vehicle in front of you moves out of the lane you are in.
- You set a new gap distance.

The system applies the brakes to slow your vehicle to maintain a safe gap distance from the vehicle in front. The system only applies limited braking. You can override the system by applying the brakes.

If the system determines that its maximum braking level is not sufficient, an audible warning sounds, a message appears in the information display and an indicator flashes when the system continues to brake. Take immediate action.

Following a Vehicle to a Complete Stop

If your vehicle follows a vehicle to a complete stop and remains stationary for less than three seconds, your vehicle accelerates from a stationary position to follow the vehicle ahead.

RES+

If your vehicle follows a vehicle to a complete stop and remains stationary for more than three seconds, press to follow the vehicle ahead. Or press the accelerator pedal.

Setting the Gap Distance

You can decrease or increase the distance between your vehicle and the vehicle in front by pressing the gap control.

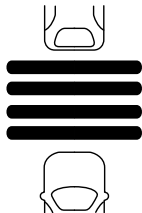


Press and release to decrease the gap distance.



Press and release to increase the gap distance.

Cruise Control



E164805

The selected gap appears in the information display as shown by the bars in the image.

Note: The gap setting is time dependent and therefore the distance adjusts with your vehicle speed.


Note: It is your responsibility to select a gap appropriate to the driving conditions.

Adaptive Cruise Control Gap Settings

Graphic Display, Bars Indicated Between Vehicles	Distance Gap	Dynamic Behavior
1	Closest.	Sport.
2	Close.	Normal.
3	Medium.	Normal.
4	Far.	Comfort.

Each time you switch the system on, it selects the last chosen gap setting.

Overriding the Set Speed

**WARNING:** If you override the system by pressing the accelerator pedal, it does not automatically apply the brakes to maintain a gap from any vehicle ahead.

When you press the accelerator pedal, you override the set speed and gap distance.

Use the accelerator pedal normally to intentionally exceed the set speed limit.

When you override the system, the vehicle graphic disappears from the information display.

The system resumes operation when you release the accelerator pedal. The vehicle speed decreases to the set speed, or a lower speed if following a slower vehicle.

Changing the Set Speed

RES+ Press and release to increase the set speed in small increments.

SET- Press and release to decrease the set speed in small increments.

Press and hold either button to change the set speed in large increments. Release the button when you reach your preferred speed.

Cruise Control

The system may apply the brakes to slow the vehicle to the new set speed. The set speed displays continuously in the information display when the system is active.

Canceling the Set Speed

CNCL Press and release the button or tap the brake pedal.

Note: *The system remembers the set speed.*

Resuming the Set Speed

RES+ Press and release the button.

Your vehicle speed returns to the previously set speed and gap setting. The set speed displays continuously in the information display when the system is active.

Note: *Only use resume if you are aware of the set speed and intend to return to it.*

Automatic Cancellation

Automatic cancellation can also occur when:

- The tires lose traction.
- You apply the parking brake.

Park Brake Application

Automatic parking brake application and cancellation occurs if:

- You unbuckle the seatbelt and open the door after you stop the vehicle.
- You hold the vehicle at a stop continuously for more than three minutes.


Hilly Condition Usage

Select a lower gear when the system is active in situations such as prolonged downhill driving on steep grades, for example in mountainous areas. The system needs additional engine braking in these situations to reduce the load on the vehicle's regular brake system to prevent it from overheating.

Note: *An audible alarm sounds and the system shuts down if it applies brakes for an extended period of time. This allows the brakes to cool. The system functions normally again after the brakes cool.*

Switching Adaptive Cruise Control Off

OFF For vehicles without Speed Limiter, press and release the button when the system is in standby mode or switch the ignition off.

 For vehicles with Speed Limiter, press and release the button when the system is in standby mode or switch the ignition off.

Note: *You erase the set speed when you switch the system off.*

Detection Issues



WARNING: On rare occasions, detection issues can occur due to the road infrastructures, for example bridges, tunnels and safety barriers. In these cases, the system may brake late or unexpectedly. At all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required.

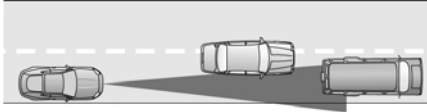
Cruise Control



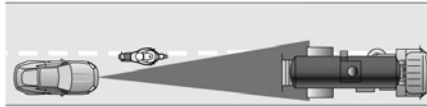
WARNING: If the system malfunctions, have your vehicle checked as soon as possible.

The radar sensor has a limited field of view. It may not detect vehicles at all or detect a vehicle later than expected in some situations. The lead vehicle graphic does not display if the system does not detect a vehicle in front of you.

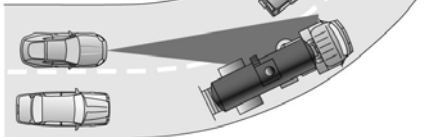
A



B



C



E71621

Detection issues can occur:

- A When driving on a different line than the vehicle in front.
- B With vehicles that edge into your lane. The system can only detect these vehicles once they move fully into your lane.
- C There may be issues with the detection of vehicles in front when driving into and coming out of a bend or curve in the road.

In these cases, the system may brake late or unexpectedly. You should stay alert and take action when necessary.

If something hits the front end of your vehicle or damage occurs, the radar-sensing zone may change. This could cause missed or false vehicle detection.

Optimal system performance requires a clear view of the road by the windshield-mounted camera.

Optimal performance may not occur if:

Cruise Control

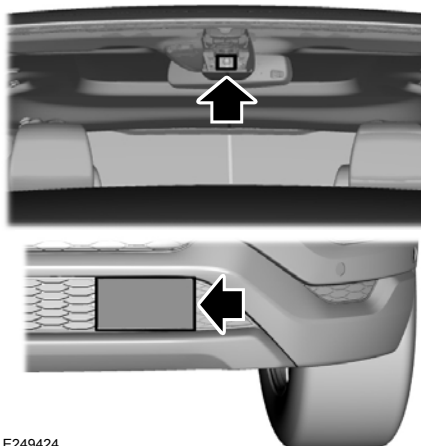
- The camera is blocked.
- There is poor visibility or lighting conditions.
- There are bad weather conditions.

System Not Available

Conditions that can cause the system to deactivate or prevent the system from activating when requested include:

- A blocked sensor.
- High brake temperature.
- A failure in the system or a related system.

Blocked Sensor



E249424

A message displays if something obstructs the radar signals from the sensor. The sensor is in the lower grille. The system cannot detect a vehicle ahead and does not function when something blocks the sensor.

Note: You cannot see the sensor. It is behind a fascia panel.

Note: Keep the front of your vehicle free of dirt, metal badges or objects. Vehicle front protectors, aftermarket lights, additional paint or plastic coatings could also degrade sensor performance.

Cruise Control

Possible Causes and Actions for This Message Displaying:

Cause	Action
The surface of the radar is dirty or obstructed.	Clean the grille surface in front of the radar or remove the object causing the obstruction.
The surface of the radar is clean but the message remains in the display.	Wait a short time. It may take several minutes for the radar to detect that it is free from obstruction.
Heavy rain or snow is interfering with the radar signals.	Do not use the system in these conditions because it may not detect any vehicles ahead.
Water, snow or ice on the surface of the road may interfere with the radar signals.	Do not use the system in these conditions because it may not detect any vehicles ahead.
You are in a desert or remote area with no other vehicles and no roadside objects.	Wait for a short time or switch to normal cruise control.

Due to the nature of radar technology, it is possible to get a blockage warning with no actual block. This happens, for example, when driving in sparse rural or desert environments. A false blocked condition either self clears, or clears after you restart your vehicle.

Switching to Normal Cruise Control



WARNING: Normal cruise control will not brake when your vehicle is approaching slower vehicles. Always be aware of which mode you have selected and apply the brakes when necessary.



The cruise control indicator replaces the adaptive cruise control indicator if you select normal cruise control. The gap setting does not display, and the system does not respond to lead vehicles. Automatic braking remains active to maintain set speed.

You can change from adaptive cruise control to normal cruise control through the information display.

Driving Aids

DRIVER ALERT (IF EQUIPPED)

Principle of Operation



WARNING: You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



WARNING: The system may not function if the sensor is blocked.



WARNING: Take regular rest breaks if you feel tired. Do not wait for the system to warn you.



WARNING: Certain driving styles may result in the system warning you even if you are not feeling tired.



WARNING: In cold and severe weather conditions the system may not function. Rain, snow and spray can all limit sensor performance.



WARNING: The system will not operate if the sensor cannot track the road lane markings.



WARNING: The system may not operate properly if the sensor is blocked. Keep the windshield free from obstruction.



WARNING: If damage occurs in the immediate area surrounding the sensor, have your vehicle checked as soon as possible.



WARNING: The system may not correctly operate if your vehicle is fitted with a suspension kit not approved by us.

Note: The system assists you when driving on fast main roads and freeways.

Note: The system calculates an alertness level at vehicle speeds above approximately 40 mph (65 km/h).

The system monitors your driving behavior.

The system is designed to alert you if it calculates that you are becoming drowsy or if your driving deteriorates.

Using Driver Alert

Switching the System On and Off

Switch the system on using the information display. See **Information Displays** (page 110).

Note: The system remains on or off depending on how it was last set.

The system calculates your alertness level based upon your driving behavior in relation to the lane markings and other factors.

System Warnings

Note: The system does not warn you if the vehicle speed falls below approximately 40 mph (65 km/h).

Driving Aids

The warning system has two stages:

1. A temporary warning is issued to advise you to take a rest. This message only appears for a short time.
2. If you do not rest and the system continues to detect that your driving deteriorates, it issues a further warning. This remains in the information display until you cancel it. See **Information Messages** (page 121).

Press **OK** on the steering wheel control to remove the warning.

Resetting the System

You can reset the system by:

- Switching the ignition off and on.
- Stopping your vehicle and then opening and closing the driver door.

LANE KEEPING SYSTEM (IF EQUIPPED)



WARNING: You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.



WARNING: Always drive with due care and attention when using and operating the controls and features on your vehicle.



WARNING: In cold and severe weather conditions the system may not function. Rain, snow and spray can all limit sensor performance.



WARNING: The system will not operate if the sensor cannot track the road lane markings.



WARNING: The sensor may incorrectly track lane markings as other structures or objects. This can result in a false or missed warning.



WARNING: Large contrasts in outside lighting can limit sensor performance.



WARNING: The system may not operate properly if the sensor is blocked. Keep the windshield free from obstruction.



WARNING: If damage occurs in the immediate area surrounding the sensor, have your vehicle checked as soon as possible.



WARNING: The system may not correctly operate if your vehicle is fitted with a suspension kit not approved by us.

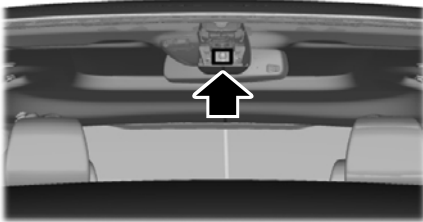
Note: The system works above 40 mph (64 km/h).

Note: The system works as long as the camera can detect one lane marking.

Driving Aids

Note: When aid mode is on and the system detects no steering activity for a short period, the system alerts you to put your hands on the steering wheel. **The system may detect a light grip or touch on the steering wheel as hands off driving.**

Note: The system may not function if the camera is blocked, or if the windshield is damaged or dirty.



E249505

When you switch the system on and it detects an unintentional drift out of your lane is likely to occur, the system notifies or assists you to stay in your lane through the steering system and information display. In Alert mode, the system provides a warning by vibrating the steering wheel. In Aid mode, the system provides steering assistance by gently counter steering your vehicle back into the lane.

When the system is functioning in the combined Alert and Aid mode, the system first provides steering assistance by gently counter steering your vehicle back into the lane, followed by a warning that vibrates the steering wheel if the vehicle is still out of the lane markings.

Switching the System On and Off

Note: The system on or off setting is stored until it is manually changed, unless a MyKey™ is detected. If the system detects a MyKey™, it defaults to on and the mode is set to alert.



E132099

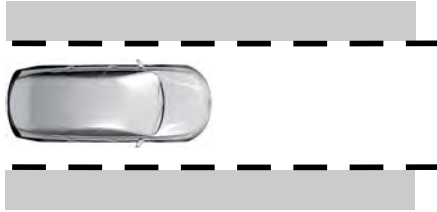
Press the button on the direction indicator stalk to switch the system on or off.

System Settings

The system has optional setting menus available. The system stores the last-known selection for each of these settings. You do not need to readjust your settings each time you switch on the system.

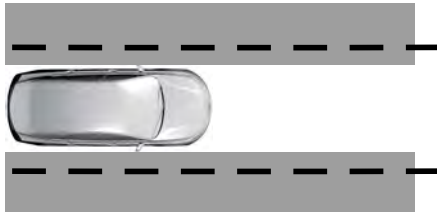
Mode: This setting allows you to select which of the system features you can enable.

Driving Aids



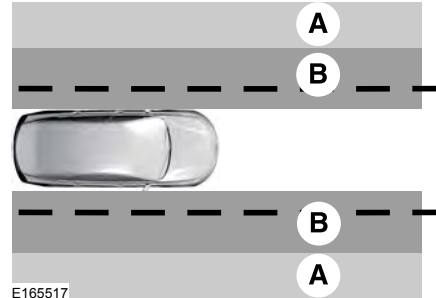
E165515

Alert only – Provides a steering wheel vibration when the system detects an unintended lane departure.



E165516

Aid only – Provides steering assistance toward the lane center when the system detects an unintended lane departure.



E165517

- A Alert
- B Aid

Alert + Aid – Provides steering assistance toward the lane center.

If your vehicle continues drifting out of the lane after the lane keeping aid corrects the vehicle, the system provides a steering wheel vibration.

Note: The alert and aid diagrams illustrate general zone coverage. They do not provide exact zone parameters.

Intensity: This setting affects the intensity of the steering wheel vibration used for the alert and alert + aid modes. **This setting does not affect the aid mode.**

- Low
- Normal
- High

System Display



E151660

Driving Aids

If you switch the system on in alert mode, an overhead graphic of a vehicle with lane markings appears in the information display.

If you switch the system on in aid or alert and aid mode, a separate white icon also appears, or in some vehicles, arrows display with the lane markings.

When you switch the system off, the lane marking graphics do not display.

While the system is on, the color of the lane markings change to indicate the system status.

Gray: Indicates that the system is temporarily unable to provide a warning or intervention on the indicated side. This may be because:

- Your vehicle is under the activation speed.
- The direction indicator is active.
- Your vehicle is in a dynamic maneuver.
- The road has no or poor lane markings in the camera field of view.
- The camera is obscured or unable to detect the lane markings due to environmental, traffic or vehicle conditions. For example, significant sun angles, shadows, snow, heavy rain or fog, following a large vehicle that is blocking or shadowing the lane, poor headlamp illumination.

See **Troubleshooting** for additional information.

Green: Indicates that the system is available or ready to provide a warning or intervention, on the indicated side.

Yellow: Indicates that the system is providing or has just provided a lane keeping aid intervention.

Red: Indicates that the system is providing or has just provided a lane keeping alert warning.

The system can be temporarily suppressed at any time by the following:

- Quick braking.
- Fast acceleration.
- Using the direction indicator.
- Evasive steering maneuver.
- Driving too close to the lane markings.

Troubleshooting

Why is the feature not available (lane markings are gray) when I can see the lane markings on the road?
Your vehicle speed is outside the operational range of the feature.
The sun is shining directly into the camera lens.
A quick intentional lane change has occurred.

Driving Aids

Why is the feature not available (line markings are gray) when I can see the lane markings on the road?
Your vehicle stays too close to the lane markings.
Driving at high speeds in curves.
The last alert warning or aid intervention occurred a short time ago.
Ambiguous lane markings, for example in construction zones.
Rapid transition from light to dark, or from dark to light.
Sudden offset in lane markings.
ABS or AdvanceTrac™ is active.
There is a camera blockage due to dirt, grime, fog, frost or water on the windshield.
You are driving too close to the vehicle in front of you.
Transitioning between no lane markings to lane markings or vice versa.
There is standing water on the road.
Faint lane markings, for example partial yellow lane markings on concrete roads.
Lane width is too narrow or too wide.
The camera has not been calibrated after a windshield replacement.
Driving on tight roads or on uneven roads.

Driving Aids

Why does the vehicle not come back toward the middle of the lane, as expected, in the Aid or Aid + Alert mode?

High cross winds are present.

There is a large road crown.

Rough roads, grooves or shoulder drop-offs.

Heavy uneven loading of the vehicle or improper tire inflation pressure.

The tires have been changed, or the suspension has been modified.

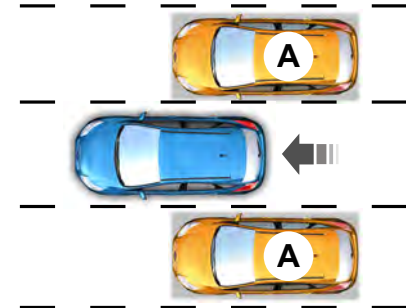
BLIND SPOT INFORMATION SYSTEM



WARNING: Do not use the blind spot information system as a replacement for using the interior and exterior mirrors or looking over your shoulder before changing lanes. The blind spot information system is not a replacement for careful driving.



WARNING: The system may not operate properly during severe weather conditions, for example snow, ice, heavy rain and spray. Always drive with due care and attention. Failure to take care may result in a crash.



E124788

Driving Aids

The system is designed to detect vehicles that may have entered the blind spot zone (A). The detection area is on both sides of your vehicle, extending rearward from the exterior mirrors to approximately 13 ft (4 m) beyond the rear bumper.

Note: The system does not prevent contact with other vehicles. It is not designed to detect parked vehicles, pedestrians, animals or other infrastructures.

Using the Blind Spot Information System

Vehicles with Automatic Transmission

The system turns on when all of the following occur:

- You start your vehicle.
- You shift into drive (D).
- The vehicle speed is greater than 6 mph (10 km/h).

Note: The system does not operate in park (P) or reverse (R).

Vehicles with Manual Transmission

The system turns on when all of the following occur:

- You start your vehicle.
- The vehicle speed is greater than 6 mph (10 km/h).

Note: The system does not operate in reverse (R).

System Lights and Messages

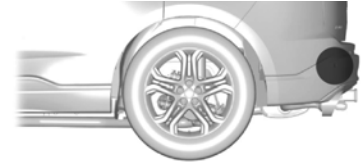


E142442

When the system detects a vehicle, an alert indicator illuminates in the exterior mirror on the side the approaching vehicle is coming from. If you turn the direction indicator on for that side of your vehicle, the alert indicator flashes.

Note: The system may not alert you if a vehicle quickly passes through the detection zone.

Blocked Sensors



E205199

The sensors are behind the rear bumper on both sides of your vehicle.

Note: Keep the sensors free from snow, ice and large accumulations of dirt.

Note: Do not cover the sensors with bumper stickers, repair compound or other objects.

Driving Aids

Note: Blocked sensors could affect system performance.

If the sensors are blocked, a message may appear in the information display. See **Information Messages** (page 121). The alert indicators remain illuminated but the system does not alert you.

System Errors

If the system detects a fault, a warning lamp illuminates and a message displays. See **Information Messages** (page 121).

Switching the System Off and On

You can switch the system off using the information display. See **General Information** (page 110). When you switch the system off, a warning lamp illuminates and a message displays. When you switch the system on or off, the alert indicators flash twice.

Note: The system remembers the last setting when you start your vehicle.

Note: The system may not correctly operate when towing a trailer. For vehicles with a trailer tow module and tow bar approved by us, the system turns off when you attach a trailer. For vehicles with an aftermarket trailer tow module or tow bar, we recommend that you switch the system off when you attach a trailer.

To permanently switch the system off, contact an authorized dealer.

CROSS TRAFFIC ALERT (IF EQUIPPED)



WARNING: Do not use the cross traffic alert system as a replacement for using the interior and exterior mirrors or looking over your shoulder before reversing out of a parking space. The cross traffic alert system is not a replacement for careful driving.



WARNING: The system may not operate properly during severe weather conditions, for example snow, ice, heavy rain and spray. Always drive with due care and attention. Failure to take care may result in a crash.

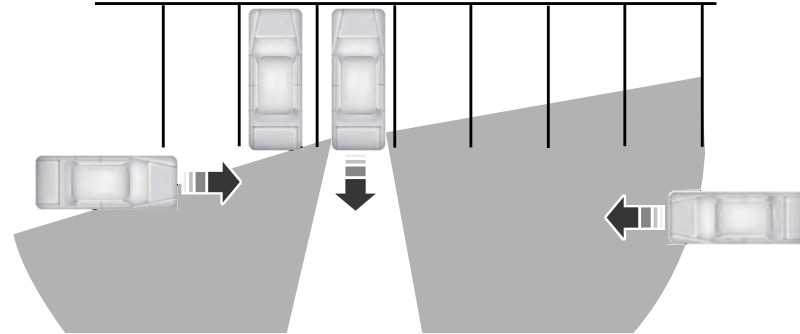
The system alerts you of vehicles approaching from the sides behind your vehicle when you shift into reverse (R).

Using Cross Traffic Alert

The system detects vehicles that approach at a speed between 4 mph (6 km/h) and 37 mph (60 km/h). Coverage decreases when the sensors are partially, mostly or fully obstructed. Slowly reversing helps increase the coverage area and effectiveness.

The system turns on when you start the engine and you shift into reverse (R). The system turns off when you shift out of reverse (R).

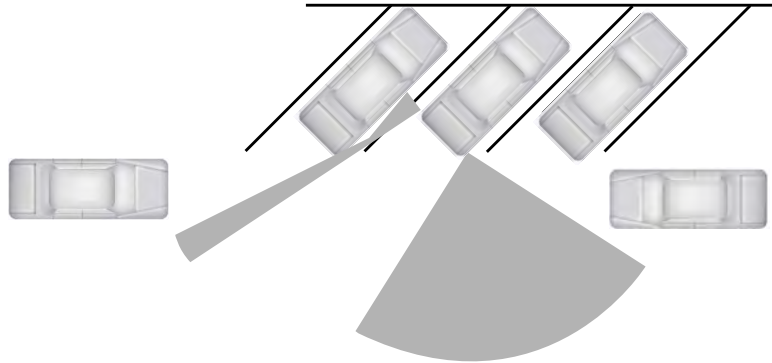
Driving Aids



E142440

The sensor on the left-hand side is only partially obstructed and zone coverage on the right-hand side is maximized.

Driving Aids



E142441

Zone coverage also decreases when parking at narrow angles. The sensor on the left-hand side is mostly obstructed and zone coverage on that side is severely reduced.

Driving Aids

Cross Traffic Alert System Sensors



E205199

The sensors are behind the rear bumper on both sides of your vehicle.

Note: Keep the sensors free from snow, ice and large accumulations of dirt.

Note: Do not cover the sensors with bumper stickers, repair compound or other objects.

Note: Blocked sensors could affect system performance.

If the sensors are blocked, a message may appear in the information display when you shift into reverse (R).

Cross Traffic Alert System Limitations

The system may not correctly operate when any of the following occur:

- The sensors are blocked.
- Adjacently parked vehicles or objects are obstructing the sensors.
- Vehicles approach at speeds less than 4 mph (6 km/h) or greater than 37 mph (60 km/h).
- The vehicle speed is greater than 7 mph (12 km/h).
- You reverse out of an angled parking space.

Cross Traffic Alert Behavior When Trailer is Attached

Note: The system may not correctly operate when towing a trailer. For vehicles with an approved trailer tow module and tow bar, the system turns off when you attach a trailer. For vehicles with an aftermarket trailer tow module or tow bar, we recommend that you switch the system off when you attach a trailer.

Cross traffic alert remains on when you attach a trailer in vehicles that come with blind spot information system with trailer tow under the following conditions:

- You connect a trailer.
- The trailer is a bike rack or cargo rack with a maximum length of 3 ft (1 m).
- You set the trailer length to 3 ft (1 m) in the information display.

See **Blind Spot Information System** (page 242).

Switching the System On and Off

To switch the system on or off, adjust the setting. Depending on your vehicle options, the setting could be in the following:

- Information display. See **Settings** (page 437).
- Touchscreen. See **Settings** (page 437).

Note: The system turns on every time you switch the ignition on. To permanently switch the system off, contact an authorized dealer.

Driving Aids

Cross Traffic Alert Indicator



When the system detects an approaching vehicle, a tone sounds, a warning lamp illuminates in the relevant exterior mirror and arrows appear in the information display to show which side the approaching vehicle is coming from.

Note: *If arrows do not display, a message appears in the information display.*

If the system malfunctions, a warning lamp illuminates in the instrument cluster and a message appears in the information display. Have your vehicle checked as soon as possible.

Note: *In exceptional conditions, the system could alert you, even when there is nothing in the detection zone, for example a vehicle passing further away from your vehicle.*

Cross Traffic Alert Information Messages

Message	Action
Cross Traffic Alert	Displays instead of indication arrows when the system detects a vehicle. Check for approaching traffic.
Cross Traffic Not Available Sensor Blocked See Manual	Indicates blocked cross traffic alert system sensors. Clean the sensors. If the message continues to appear, have your vehicle checked as soon as possible.
Cross Traffic System Fault	The system has malfunctioned. Have your vehicle checked as soon as possible.
Cross Traffic Alert Deactivated Trailer Attached	Displays if you attach a trailer to your vehicle.

Driving Aids

STEERING

Electric Power Steering



WARNING: The electric power steering system has diagnostic checks that continuously monitor the system. If a fault is detected, a message displays in the information display. Stop your vehicle as soon as it is safe to do so. Switch the ignition off. After at least 10 seconds, switch the ignition on and watch the information display for a steering system warning message. If a steering system warning message returns, have the system checked as soon as possible.



WARNING: If the system detects an error, you may not feel a difference in the steering, however a serious condition may exist. Have your vehicle checked as soon as possible. Failure to do so may result in loss of steering control.

Your vehicle has an electric power steering system, there is no fluid reservoir, no maintenance is required.

If your vehicle loses electrical power while you are driving, electric power steering assistance is lost. The steering system still operates and you can steer your vehicle manually. Manually steering your vehicle requires more effort.

Extreme continuous steering may increase the effort required for you to steer your vehicle, this increased effort prevents overheating and permanent damage to the steering system. You do not lose the ability to steer your vehicle manually. Typical steering and driving maneuvers allow the system to cool and return to normal operation.

Steering Tips

If the steering wanders or pulls, check for:

- Correct tire pressures.
- Uneven tire wear.
- Loose or worn suspension components.
- Loose or worn steering components.
- Improper vehicle alignment.


Note: A high crown in the road or high crosswinds may also make the steering seem to wander or pull.


Adaptive Learning (If Equipped)


The electronic power steering system adaptive learning helps correct road irregularities and improves overall handling and steering feel. It communicates with the brake system to help operate advanced stability control and accident avoidance systems. Additionally, whenever the battery is disconnected or a new battery installed, you must drive your vehicle a short distance before the system relearns the strategy and reactivates all systems.


Driving Aids


PRE-COLLISION ASSIST (IF EQUIPPED)


 **WARNING:** You are responsible for controlling your vehicle at all times. The system is designed to be an aid and does not relieve you of your responsibility to drive with due care and attention. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

 **WARNING:** The system does not detect vehicles that are driving in a different direction, pedestrians at night, cyclists or animals. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.

 **WARNING:** The system does not operate during hard acceleration or steering. Failure to take care may lead to a crash or personal injury.

 **WARNING:** The system may fail or operate with reduced function during cold and severe weather conditions. Snow, ice, rain, spray and fog can adversely affect the system. Keep the front camera and radar free of snow and ice. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.

 **WARNING:** In situations where the vehicle camera has limited detection capability, this may reduce system performance. These situations include but are not limited to direct or low sunlight, vehicles at night without tail lights, unconventional vehicle types, pedestrians with complex backgrounds, running pedestrians, partly obscured pedestrians, or pedestrians that the system cannot distinguish from a group. Failure to take care may result in the loss of control of your vehicle, serious personal injury or death.

 **WARNING:** The system cannot help prevent all crashes. Do not rely on this system to replace driver judgment and the need to maintain a safe distance and speed.

Using the Pre-Collision Assist System

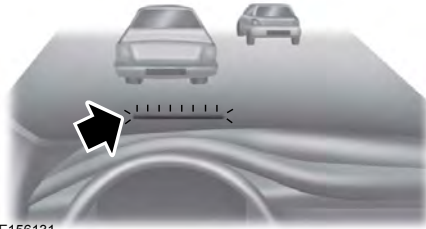
The Pre-Collision Assist system is active at speeds above approximately 3 mph (5 km/h) and pedestrian detection is active at speeds up to 50 mph (80 km/h).



If your vehicle is rapidly approaching another stationary vehicle, a vehicle traveling in the same direction as yours, or a pedestrian within your driving path, the system is designed to provide three levels of functionality:

1. Alert
2. Brake Support
3. Active Braking

Driving Aids



E156131

Alert: When active, a flashing visual warning appears and an audible warning tone sounds.

Brake Support: The system is designed to help reduce the impact speed by preparing the brakes for rapid braking. The system does not automatically apply the brakes. If you press the brake pedal, the system could apply additional braking up to maximum braking force, even if you lightly press the brake pedal.

Active Braking: Active braking may activate if the system determines that a collision is imminent. The system may help the driver reduce impact damage or avoid the crash completely.

Note: *If you perceive Pre-Collision Assist alerts as being too frequent or disturbing, then you can reduce the alert sensitivity, though the manufacturer recommends using the highest sensitivity setting where possible. Setting lower sensitivity would lead to fewer and later system warnings.*

Distance Indication and Alert

Distance Indication and Alert is a function that provides a graphical indication of the time gap to other preceding vehicles traveling in the same direction. The Distance Indication and Alert screen in the information display shows a graphic similar to the one that follows.



If the time gap to a preceding vehicle is small, a red visual indication displays.

Note: *Distance Indication and Alert deactivates and the graphics do not display when adaptive cruise control is active.*

Driving Aids

Speed	Sensitivity	Graphics	Distance Gap	Time Gap
62 mph (100 km/h)	Normal	Grey	>82 ft (25 m)	>0.9sec
62 mph (100 km/h)	Normal	Yellow	56–82 ft (17–25 m)	0.6sec — 0.9sec
62 mph (100 km/h)	Normal	Red	<56 ft (17 m)	<0.6sec

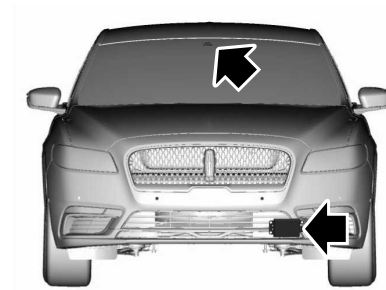
Adjusting the Pre-Collision Assist Settings

You can adjust the following settings by using the information display controls. See **General Information** (page 110).

- You can change Alert and Distance Alert sensitivity to one of three possible settings.
- You can switch Distance Indication and Alert on or off.
- If required, you can switch Active Braking on or off.

Note: *Active braking automatically turns on every time you switch the ignition on.*

Blocked Sensors



If a message regarding a blocked sensor or camera appears in the information display, the radar signals or camera images are obstructed. The radar sensor is located behind a fascia cover near the driver side of the lower grille. With an obstructed radar, the Pre-Collision Assist system does not function and cannot detect a vehicle ahead. With the front camera obstructed, the Pre-Collision Assist system does not respond to pedestrians or stationary vehicles and the system performance on moving vehicles reduces. The following table lists possible causes and actions for when this message displays.

Driving Aids

Cause	Action
The surface of the radar in the grille is dirty or obstructed in some way.	Clean the grille surface in front of the radar or remove the object causing the obstruction.
The surface of the radar in the grille is clean but the message remains in the display.	Wait a short time. It may take several minutes for the radar to detect that there is no obstruction.
Heavy rain, spray, snow, or fog is interfering with the radar signals.	The Pre-Collision Assist system is temporarily disabled. Pre-Collision Assist should automatically reactivate a short time after the weather conditions improve.
Swirling water, or snow or ice on the surface of the road may interfere with the radar signals.	The Pre-Collision Assist system is temporarily disabled. Pre-Collision Assist should automatically reactivate a short time after the weather conditions improve.
Radar is out of alignment due to a front end impact.	Contact an authorized dealer to have the radar checked for proper coverage and operation.
The windshield in front of the camera is dirty or obstructed in some way.	Clean the outside of the windshield in front of the camera.
The windshield in front of the camera is clean but the message remains in the display.	Wait a short time. It may take several minutes for the camera to detect that there is no obstruction.

Note: *Proper system operation requires a clear view of the road by the camera. Have any windshield damage in the area of the camera's field of view repaired.*

Driving Aids

Note: *If something hits the front end of your vehicle or damage occurs, the radar sensing zone may change. This could cause missed or false vehicle detections. Contact an authorized dealer to have the radar checked for proper coverage and operation.*

Note: *If your vehicle detects excessive heat at the camera or a potential misalignment condition, a message may display in the information display indicating temporary sensor unavailability. This message deactivates automatically when operational conditions return to normal. For example, when the ambient temperature around the sensor decreases or the sensor automatically recalibrates successfully.*

DRIVE CONTROL (IF EQUIPPED)

LINCOLN DRIVE CONTROL

Lincoln Drive Control delivers the Lincoln driving experience through a suite of sophisticated electronic vehicle systems. These systems continuously monitor your driving inputs and the road conditions to optimize ride comfort, steering and handling.

You can preset your preferences for these systems within the information display. Lincoln Drive Control will respond to your preferences based on what gear position you select. This provides a single location to control multiple systems performance settings.

Lincoln Drive Control consists of the following systems:

- Adaptive suspension dynamically adjusts the shock absorbers stiffness in real time to match the road surface and driver inputs. This system continuously monitors your vehicle's motion (roll, pitch, bounce), suspension position, load, speed, road conditions, and steering to adjust the suspension damping for optimal vehicle control.
- Electronically power-assisted steering adjusts steering effort and feel based on your vehicle speed and your inputs.
- Electronic stability control and traction control maintain your vehicle control in adverse conditions or high performance driving.

These systems have a range of modes which you can choose from in order to customize your ideal driving experience:

- **Comfort** – Provides a more relaxed driving experience, maximizing comfort. Your steering effort decreases and the suspension movement is more fluid. Comfort mode is ideal when you desire enhanced traveling comfort.
- **Normal** – Delivers a balanced combination of comfortable, controlled ride and confident handling. This mode provides an engaging drive experience and a direct connection to the road without sacrificing any of the composure demanded from a luxury vehicle.
- **Sport** – Provides a sportier driving experience. The suspension stiffens, with an emphasis on handling and control. Sport mode is ideal for use during more spirited driving.

Using Lincoln Drive Control

You can configure which of the Drive Control modes are active when your vehicle is in drive (D). The configuration remains active until modified from the main menu on the information display.

You can change your vehicle's Drive Control settings from the main menu on the information display. See **General Information** (page 110).

Note: *Not all settings may be available.*

Note: *Lincoln Drive Control has diagnostic checks that continuously monitor the system to ensure proper operation. Certain types of system errors will gray out the mode selections within the information display, preventing you from changing states when the gear position is changed. Other types of errors will produce a temporary message that states Drive Control Malfunction. If either condition persists for multiple key cycles, have your vehicle checked by an authorized dealer.*

Load Carrying


LOAD LIMIT

Vehicle Loading - with and without a Trailer

This section guides you in the proper loading of your vehicle, trailer, or both. Keep your loaded vehicle weight within its design rating capability, with or without a trailer. Properly loading your vehicle provides maximum return of vehicle design performance. Before you load your vehicle, become familiar with the following terms for determining your vehicle's weight rating, with or without a trailer, from the vehicle's Tire and Loading Information label or Safety Compliance Certification label.

Tire and Loading Label Information

Example:




TIRE AND LOADING INFORMATION

SEATING CAPACITY	TOTAL : 5	FRONT: 2	REAR: 3
------------------	-----------	----------	---------

The combined weight of occupants, and cargo should never exceed • 385 kg or 850 lbs.

TIRE	SIZE	COLD TIRE PRESSURE	SEE OWNERS MANUAL FOR ADDITIONAL INFORMATION
FRONT	235/45R18 94V	235 KPA, 34 PSI	
REAR	235/45R18 94V	235 KPA, 34 PSI	
SPARE	NONE	NONE	



TIRE AND LOADING INFORMATION						
RENSEIGNEMENTS SUR LES PNEUS ET LE CHARGEMENT						
SEATING CAPACITY NOMBRE DE PLACES	TOTAL	5	FRONT AVANT	2	REAR ARRIERE	3
The combined weight of occupants and cargo should never exceed 396 kg or 875 lbs. Le poids total des occupants et du chargement ne doit jamais dépasser						
TIRE PNEU	SIZE DIMENSIONS	COLD TIRE PRESSURE PRESSION DES PNEUS A FROID		SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION VOIR LE MANUEL DE L'USAGER POUR PLUS DE RENSEIGNEMENTS		
FRONT AVANT	235/40R19 96V	255 KPA, 37 PSI				
REAR ARRIERE	235/40R19 96V	255 KPA, 37 PSI				
SPARE DE SECOURS	T125/80R16 97M	415 KPA, 60 PSI				

E198719

Payload

Payload is the combined weight of cargo and passengers that your vehicle is carrying. The maximum payload for your vehicle appears on the Tire and Loading label. The label is either on the B-pillar or the edge of the driver door. Vehicles exported outside the US and Canada may not have a tire and loading label. Look for "The combined weight of occupants and cargo should never exceed XXX kg OR XXX lb" for maximum payload. The payload listed on the Tire and Loading Information label is the maximum payload for your vehicle as built by the assembly plant. If you install any additional equipment on your vehicle, you must determine the new payload. Subtract the weight of the equipment from the payload listed on the Tire and Loading label. When towing, trailer tongue weight or king pin weight is also part of payload.

Load Carrying



WARNING: The appropriate loading capacity of your vehicle can be limited either by volume capacity (how much space is available) or by payload capacity (how much weight the vehicle should carry). Once you have reached the maximum payload of your vehicle, do not add more cargo, even if there is space available. Overloading or improperly loading your vehicle can contribute to loss of vehicle control and vehicle rollover.

GAWR (Gross Axle Weight Rating)

GAWR is the maximum allowable weight that a single axle (front or rear) can carry. These numbers are on the Safety Compliance Certification label. The label is located on the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver seating position.

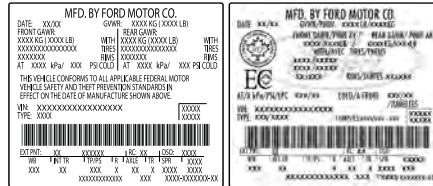
The total load on each axle must never exceed its Gross Axle Weight Rating.

GVWR (Gross Vehicle Weight Rating)

GVWR is the maximum allowable weight of the fully loaded vehicle. This includes all options, equipment, passengers and cargo. It appears on the Safety Compliance Certification label. The label is located on the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver seating position.

The gross vehicle weight must never exceed the Gross Vehicle Weight Rating.

Safety Compliance Certification Label Example:



E198828



WARNING: Exceeding the Safety Compliance Certification label vehicle weight limits can adversely affect the performance and handling of your vehicle, cause vehicle damage and can result in the loss of control of your vehicle, serious personal injury or death.

Maximum Loaded Trailer Weight

Maximum loaded trailer weight is the highest possible weight of a fully loaded trailer the vehicle can tow. Consult an authorized dealer (or the RV and Trailer Towing Guide available at an authorized dealer) for more detailed information.

GCWR (Gross Combined Weight Rating)

GCWR is the maximum allowable weight of the vehicle and the loaded trailer, including all cargo and passengers, that the vehicle can handle without risking damage. (Important: The towing vehicle's braking system is rated for

Load Carrying

operation at Gross Vehicle Weight Rating, not at Gross Combined Weight Rating.) Separate functional brakes should be used for safe control of towed vehicles and for trailers where the Gross Combined Weight of the towing vehicle plus the trailer exceed the Gross Vehicle Weight Rating of the towing vehicle.

The gross combined weight must never exceed the Gross Combined Weight Rating.

Note: For trailer towing information refer to the *RV and Trailer Towing Guide* available at an authorized dealer.



WARNING: Do not exceed the GVWR or the GAWR specified on the certification label.



WARNING: Do not use replacement tires with lower load carrying capacities than the original tires because they may lower your vehicle's GVWR and GAWR limitations. Replacement tires with a higher limit than the original tires do not increase the GVWR and GAWR limitations.



WARNING: Exceeding any vehicle weight rating can adversely affect the performance and handling of your vehicle, cause vehicle damage and can result in the loss of control of your vehicle, serious personal injury or death.

Steps for determining the correct load limit:

1. Locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lb." on your vehicle's placard.

2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXX kg or XXX lb.
4. The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the "XXX" amount equals 1,400 lb. and there will be five 150 lb. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lb. (1400-750 (5 x 150) = 650 lb.)
5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

Load Carrying

6. If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

Helpful examples for calculating the available amount of cargo and luggage load capacity

Suppose your vehicle has a 1400-pound (635-kilogram) cargo and luggage capacity. You decide to go golfing. Is there enough load capacity to carry you, four of your friends and all the golf bags? You and four friends average 220 pounds (99 kilograms) each and the golf bags weigh approximately 30 pounds (13.5 kilograms) each. The calculation would be: $1400 - (5 \times 220) - (5 \times 30) = 1400 - 1100 - 150 = 150$ pounds. Yes, you

have enough load capacity in your vehicle to transport four friends and your golf bags. In metric units, the calculation would be: $635 \text{ kilograms} - (5 \times 99 \text{ kilograms}) - (5 \times 13.5 \text{ kilograms}) = 635 - 495 - 67.5 = 72.5$ kilograms.

Suppose your vehicle has a 1400-pound (635-kilogram) cargo and luggage capacity. You and one of your friends decide to pick up cement from the local home improvement store to finish that patio you have been planning for the past two years. Measuring the inside of the vehicle with the rear seat folded down, you have room for twelve 100-pound (45-kilogram) bags of cement. Do you have enough load capacity to transport the cement to your home? If you and your friend each weigh 220 pounds (99 kilograms), the calculation would be: $1400 - (2 \times 220) - (12 \times 100) = 1400 - 440 - 1200 = -240$ pounds. No, you do not have enough cargo capacity to carry that much weight. In metric units, the calculation would be: $635 \text{ kilograms} - (2 \times 99 \text{ kilograms}) - (12 \times 45 \text{ kilograms}) = 635 -$

$198 - 540 = -103$ kilograms. You will need to reduce the load weight by at least 240 pounds (104 kilograms). If you remove three 100-pound (45-kilogram) cement bags, then the load calculation would be: $1400 - (2 \times 220) - (9 \times 100) = 1400 - 440 - 900 = 60$ pounds. Now you have the load capacity to transport the cement and your friend home. In metric units, the calculation would be: $635 \text{ kilograms} - (2 \times 99 \text{ kilograms}) - (9 \times 45 \text{ kilograms}) = 635 - 198 - 405 = 32$ kilograms.

The above calculations also assume that the loads are positioned in your vehicle in a manner that does not overload the front or the rear gross axle weight rating specified for your vehicle on the Safety Compliance Certification label.

Load Carrying

Special Loading Instructions for Owners of Pick-up Trucks and Utility-type Vehicles



WARNING: When loading the roof racks, we recommend you evenly distribute the load, as well as maintain a low center of gravity. Loaded vehicles, with higher centers of gravity, may handle differently than unloaded vehicles. Take extra precautions, such as slower speeds and increased stopping distance, when driving a heavily loaded vehicle.

Towing

TOWING A TRAILER



WARNING: Never tow a trailer with an MKZ Hybrid. This powertrain is not designed to tow.

TOWING THE VEHICLE ON FOUR WHEELS

Emergency Towing

In the event your vehicle becomes disabled (without access to wheel dollies, car-hauling trailer, or flatbed transport vehicle), it can be flat-towed (all wheels on the ground, regardless of the powertrain/transmission configuration) under the following conditions:

- The vehicle is facing forward so that it is towed in a forward direction.
- Place the transmission in position **N**. If you cannot move the transmission into **N**, you must override it and enable stay in neutral mode. Failing to do so may result in damage to the transmission. See **Transmission** (page 193).

- Maximum speed is 35 mph (56 km/h).
- Maximum distance is 50 mi (80 km).

Recreational Towing

Note: Put your climate control system in recirculated air mode to prevent exhaust fumes from entering your vehicle. See **Climate Control** (page 141).

Follow these guidelines if you have a need for recreational (RV) towing. An example of recreational towing would be towing your vehicle behind a motorhome. These guidelines are designed to ensure that your transmission is not damaged.

Your vehicle can be towed with all four wheels on the ground using the Stay in Neutral mode feature, or with all four wheels off the ground using a vehicle transport trailer. If you are using a vehicle transport trailer, follow the instruction specified by the equipment provider.

If you tow your vehicle with all four wheels on the ground:

- Tow only in the forward direction.
- Release the parking brake.

- Place the vehicle in Stay in Neutral mode. See **Automatic Transmission** (page 193).
- Do not exceed 65 mph (105 km/h).

Note: If the parking brake is applied, a message appears in the information display.

Note: Start the engine and allow it to run for a few minutes at the beginning of each day, and every six hours or fewer. With the engine running and your foot on the brake, shift into drive (D) and then into reverse (R) before shifting back into neutral (N). **BEFORE CONTINUING TO TOW, YOU MUST RE-ENABLE STAY IN NEUTRAL MODE.**

Driving Hints

BREAKING-IN

You need to break in new tires for approximately 300 mi (480 km). During this time, your vehicle may exhibit some unusual driving characteristics.

Avoid driving too fast during the first 1,000 mi (1,600 km). Vary your speed frequently and change up through the gears early. Do not labor the engine.

Do not tow during the first 1,000 mi (1,600 km).

REDUCED ENGINE PERFORMANCE



WARNING: If you continue to drive your vehicle when the engine is overheating, the engine could stop without warning. Failure to follow this instruction could result in the loss of control of your vehicle.

If the engine coolant temperature gauge needle moves to the upper limit position, the engine is overheating. See **Gauges** (page 102).

You must only drive your vehicle for a short distance if the engine overheats. The distance you can travel depends on ambient temperature, vehicle load and terrain. The engine continues to operate with limited power for a short period of time.

If the engine temperature continues to rise, the fuel supply to the engine reduces. The air conditioning switches off and the engine cooling fan operates continually.

1. Gradually reduce your speed and stop your vehicle as soon as it is safe to do so.
2. Immediately switch the engine off to prevent severe engine damage.
3. Wait for the engine to cool down.
4. Check the coolant level. See **Engine Coolant Check** (page 305).
5. Have your vehicle checked as soon as possible.

ECONOMICAL DRIVING

Fuel economy is affected by several things such as how you drive, the conditions you drive under and how you maintain your vehicle.

There are some things to keep in mind that may improve your fuel economy:

- Accelerate and slow down in a smooth, moderate fashion.
- Drive at steady speeds.
- Anticipate stops; slowing down may eliminate the need to stop.
- Combine errands and minimize stop-and-go driving (When running errands, go to the furthest destination first and then work your way back home).
- Close the windows for high-speed driving.
- Drive at reasonable speeds.
- Keep the tires properly inflated and use only the recommended size.
- Use the recommended engine oil.
- Perform all regularly scheduled maintenance.

Driving Hints

There are also some things you may want to avoid doing because they reduce your fuel economy:

- Avoid sudden or hard accelerations.
- Avoid revving the engine before turning off the car.
- Avoid long idle periods.
- Do not warm up your vehicle on cold mornings.
- Reduce the use of air conditioning and heat.
- Avoid using speed control in hilly terrain.
- Do not rest your foot on the brake pedal while driving.
- Avoid carrying unnecessary weight.
- Avoid adding particular accessories to your vehicle (e.g. bug deflectors, rollbars/light bars, running boards, ski racks).
- Avoid driving with the wheels out of alignment.

DRIVING THROUGH WATER



WARNING: Do not drive through flowing or deep water as you may lose control of your vehicle.

Note: *Driving through standing water can cause vehicle damage.*

Note: *Engine damage can occur if water enters the air filter.*

Before driving through standing water, check the depth. Never drive through water that is higher than the bottom of the front rocker area of your vehicle.




E259345


When driving through standing water, drive very slowly and do not stop your vehicle. Your brake performance and traction may be limited. After driving through water and as soon as it is safe to do so:


- Lightly press the brake pedal to dry the brakes and to check that they work.
- Check that the horn works.
- Check that the exterior lights work.
- Turn the steering wheel to check that the steering power assist works.


Driving Hints


FLOOR MATS

 **WARNING:** Use a floor mat designed to fit the footwell of your vehicle that does not obstruct the pedal area. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

 **WARNING:** Pedals that cannot move freely can cause loss of vehicle control and increase the risk of serious personal injury.

 **WARNING:** Secure the floor mat to both retention devices so that it cannot slip out of position and interfere with the pedals. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

 **WARNING:** Do not place additional floor mats or any other covering on top of the original floor mats. This could result in the floor mat interfering with the operation of the pedals. Failure to follow this instruction could result in the loss of control of your vehicle, personal injury or death.

 **WARNING:** Always make sure that objects cannot fall into the driver foot well while your vehicle is moving. Objects that are loose can become trapped under the pedals causing a loss of vehicle control.

To install the floor mats, position the floor mat eyelet over the retention post and press down to lock in position.

To remove the floor mat, reverse the installation procedure.

Note: Regularly check the floor mats to make sure they are secure.



E142666

Roadside Emergencies

ROADSIDE ASSISTANCE

Vehicles sold in the United States: Getting Roadside Assistance

To fully assist you should you have a vehicle concern, Lincoln Motor Company offers a complimentary roadside assistance program. This program is separate from the New Vehicle Limited Warranty.

The service is available:

- Throughout the life of the vehicle for original owners.
- For six years or 70,000 mi (110,000 km) (whichever comes first) for subsequent owners.

Roadside Assistance covers:

- A flat tire change with a good spare (except vehicles supplied with a tire inflation kit).
- Battery jump start.
- Lock-out assistance (key replacement cost is the client's responsibility).

- Fuel delivery — independent service contractors, if not prohibited by state, local or municipal law shall deliver up to 2 gal (8 L) of gasoline fuel to a disabled vehicle. Roadside Assistance limits fuel delivery service to two no-charge occurrences within a 12-month period.
- Winch out — available within 100 ft (30 m) of a paved or county maintained road, no recoveries.

- Towing — independent service contractors, if not prohibited by state, local or municipal law shall tow Lincoln eligible vehicles to the client's selling or preferred dealer within 100 mi (160 km) of the disablement location or to the nearest Lincoln dealer. If a client requests a tow to a selling or preferred dealer that is more than 100 mi (160 km) from the disablement location, the client is responsible for any mileage costs in excess of 100 mi (160 km).
- Roadside Assistance includes up to \$200 for a towed trailer if the disabled eligible vehicle requires service at the nearest authorized dealer. If the towing vehicle is operational but the trailer is not, then the trailer does not qualify for any roadside services.

Vehicles Sold in the United States: Using Roadside Assistance

United States clients who require roadside assistance, call 1-800-521-4140 or contact Roadside Assistance using the Lincoln Way mobile app.

Roadside Emergencies

If you need to arrange roadside assistance for yourself, Lincoln Motor Company reimburses a reasonable amount for towing to the nearest Lincoln dealership within 100 mi (160 km). To obtain reimbursement information, United States clients, call 1-800-521-4140. Clients need to submit their original receipts.

Vehicles Sold in Canada: Getting Roadside Assistance

To fully assist you should you have a vehicle concern, Lincoln Motor Company offers a complimentary roadside assistance program. This program is eligible within Canada or the continental United States.

The service is available 24 hours a day, seven days a week.

This program is separate from the New Vehicle Limited Warranty, beginning from the original warranty start date and lasts the life of the vehicle for the original owner. Subsequent owners receive coverage that is concurrent with the 6 years or 70,000 mi (110,000 km) (whichever occurs first) powertrain warranty coverage period.

Note: *Canadian roadside coverage and benefits may differ from the U.S. coverage.*

For complete program coverage details, review your warranty guide, contact your dealer, call us in Canada at 1-800-387-9333, or visit our website at www.lincolncanada.com.

If you purchased your vehicle in Canada and require roadside assistance, please call 1-800-387-9333 or contact Roadside Assistance using the Lincoln Way mobile app.

Note: *For quick reference, complete the roadside assistance identification card found in the glove compartment of your vehicle and place it in your wallet.*

HAZARD FLASHERS

Note: *The hazard flashers operate when the ignition is in any position, or if the key is not in the ignition. If used when the vehicle is not running, the battery loses charge. As a result, there may be insufficient power to restart your vehicle.*



The flasher control is on the instrument panel. Use your hazard flashers when your vehicle is creating a safety hazard for other motorists.

- Press the flasher control and all front and rear direction indicators flash.
- Press the button again to switch them off.

FUEL SHUTOFF



WARNING: If your vehicle has been involved in a crash, have the fuel system checked. Failure to follow this instruction could result in fire, personal injury or death.

Note: *When you try to restart your vehicle after a fuel shutoff, the vehicle makes sure that various systems are safe to restart. Once the vehicle determines the systems are safe, then the vehicle allows you to restart.*

Note: *In the event that your vehicle does not restart after your third attempt, contact a qualified technician.*

Roadside Emergencies

The fuel pump shutoff stops the flow of fuel to the engine in the event of a moderate to severe crash. Not every impact causes a shutoff.

Should your vehicle shut off after a crash, you may restart your vehicle.

If your vehicle has a key system:

1. Switch off the ignition.
2. Switch to start position.
3. Switch off the ignition.
4. Switch on the ignition to re-enable the fuel pump.
5. If the vehicle does not start, repeat steps 1 through 4.

If your vehicle has a push button start system:

1. Press **START/STOP** to switch off your vehicle.
2. Press the brake pedal and **START/STOP** to switch on your vehicle.
3. Remove your foot from the brake pedal and press **START/STOP** to switch off your vehicle.

4. You can attempt to start the vehicle by pressing the brake pedal and **START/STOP**, or press **START/STOP** without pressing the brake pedal.
5. If the vehicle does not start, repeat steps 1 through 4.

JUMP STARTING THE VEHICLE



WARNING: Batteries normally produce explosive gases which can cause personal injury. Therefore, do not allow flames, sparks or lighted substances to come near the battery. When working near the battery, always shield your face and protect your eyes. Always provide correct ventilation.



WARNING: Keep batteries out of reach of children. Batteries contain sulfuric acid. Avoid contact with skin, eyes or clothing. Shield your eyes when working near the battery to protect against possible splashing of acid solution. In case of acid contact with skin or eyes, flush immediately with water for a minimum of 15 minutes and get prompt medical attention. If acid is swallowed, call a physician immediately.



WARNING: Use only adequately sized cables with insulated clamps.

Preparing Your Vehicle

Do not attempt to push-start your automatic transmission vehicle.

Note: Attempting to push-start a vehicle with an automatic transmission may cause transmission damage.

Note: Use only a 12-volt supply to start your vehicle.

Roadside Emergencies

Note: Do not disconnect the battery of the disabled vehicle as this could damage the vehicle electrical system.

Park the booster vehicle close to the hood of the disabled vehicle, making sure the two vehicles do not touch.

Connecting the Jumper Cables



WARNING: Do not connect the end of the second cable to the negative (-) terminal of the battery to be jumped. A spark may cause an explosion of the gases that surround the battery.

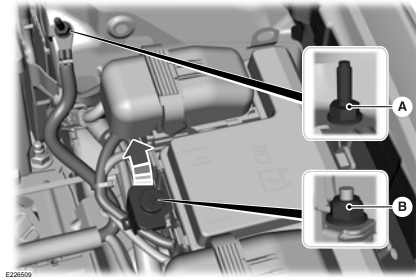


WARNING: Do not use fuel lines, engine valve covers, windshield wiper arms, the intake manifold, or hood latch as ground points.

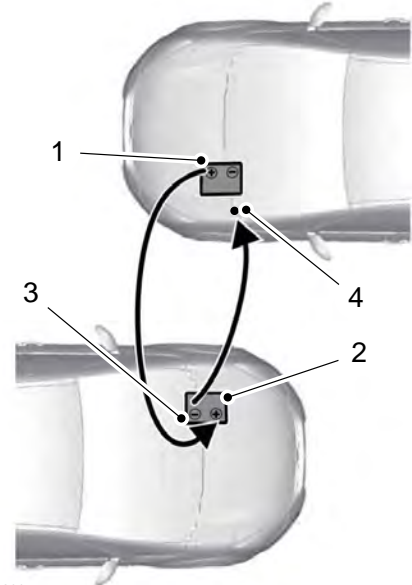
Note: Your vehicle has two battery prongs that are accessible from under the hood, even though the actual battery is located in the trunk. You can jump start your vehicle the same way conventional vehicles can be using these prongs.

Note: Do not attach the end of the positive cable to the studs or L-shaped eyelet located above the positive (+) terminal of your vehicle's battery. High current may flow through and cause damage to the fuses.

Note: To avoid reverse polarity connections, make sure that you correctly identify the positive (+) and negative (-) terminals on both the disabled and booster vehicles before connecting the cables.



- A Negative prong (-).
- B Positive prong (+).



Note: In the illustration, the bottom vehicle represents the booster vehicle.

Roadside Emergencies

Note: Make sure you remove the cap from the positive prong on your vehicle before connecting the cables.

1. Connect the positive (+) jumper cable to the positive (+) terminal of the discharged battery.
2. Connect the other end of the positive (+) cable to the positive (+) terminal of the booster vehicle battery.
3. Connect the negative (-) cable to the negative (-) terminal of the booster vehicle battery.
4. Make the final connection of the negative (-) cable to an exposed metal part of the stalled vehicle's engine, away from the battery and the fuel injection system, or connect the negative (-) cable to a ground connection point if available.

Jump Starting

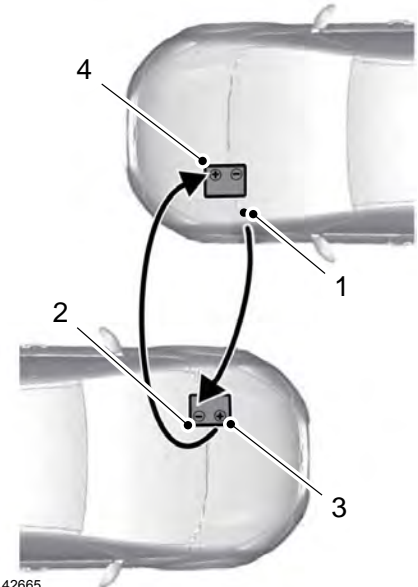
1. Start the engine of the booster vehicle and rev the engine moderately, or press the accelerator gently to keep your engine speed between 2000 and 3000 RPM, as shown in your tachometer.

2. Start the disabled vehicle.
3. Check the instrument cluster for the Ready to Drive light as the gasoline engine may not start, but the electric motor may be running.
4. Once you start the disabled vehicle, run both vehicles for an additional three minutes before disconnecting the jumper cables.

Removing the Jumper Cables

Note: After you disconnect the jumper cables, let the disabled vehicle sit in Ready to Drive mode for several minutes to charge the 12V battery. The disabled vehicle charges the 12V battery even if the gasoline engine may be off. The 12V battery receives power from the high-voltage battery instead.

Remove the jumper cables in the reverse order that they were connected.



1. Remove the negative (-) jumper cable from the disabled vehicle.

Roadside Emergencies

2. Remove the jumper cable on the negative (-) terminal of the booster vehicle battery.
3. Remove the jumper cable from the positive (+) terminal of the booster vehicle battery.
4. Remove the jumper cable from the positive (+) terminal of the disabled vehicle battery.

COLLISION, DAMAGE OR FIRE EVENT

Guidance for Ford Motor Company Electric and Hybrid-Electric Vehicles Equipped With High Voltage Batteries

(Vehicle Owner/Operator/General Public) Electric and Hybrid-Electric Vehicle Considerations

In the event of damage or fire involving an electric vehicle or hybrid-electric vehicle:

- Always assume the high-voltage battery and associated components are energized and fully charged.
- Exposed electrical components, wires, and high-voltage batteries present potential high-voltage shock hazards.
- Venting high-voltage battery vapors are potentially toxic and flammable.
- Physical damage to the vehicle or high-voltage battery may result in immediate or delayed release of toxic, flammable gases and fire.

Vehicle information and general safety practices:

- Know the make and model of your vehicle.
- Review the owner's manual and become familiar with your vehicle's safety information and recommended safety practices.
- Do not attempt to repair damaged electric and hybrid-electric vehicles yourself.

Contact an authorized dealer.

Roadside Emergencies

Crashes

A crash or impact significant enough to require an emergency response for conventional vehicles would also require the same response for an electric or hybrid-electric vehicle.

If possible:

- Move your vehicle to a safe, nearby location and remain on the scene.
- Roll down the windows before switching your vehicle off.
- Place your vehicle in park (P), set the parking brake, switch off the vehicle, activate the hazard warning flashers and move your key(s) at least 15 ft (5 m) away from the vehicle.

Always:

- Call emergency assistance if needed and advise that an electric or hybrid-electric vehicle is involved.
- Exposed electrical components, wires, and high-voltage batteries present potential high-voltage shock hazards.

- Avoid contact with leaking fluids and gases, and remain out of the way of oncoming traffic until emergency responders arrive.
- When emergency responders arrive, tell them that the vehicle involved is an electric vehicle or hybrid-electric vehicle.

Fires

As with any vehicle, call emergency assistance immediately if you see sparks, smoke or flames coming from the vehicle. Remain a safe distance from the vehicle and try to stay clear of the smoke.

- Exit the vehicle immediately.
- Advise emergency assistance that an electric or hybrid-electric vehicle is involved.
- As with any vehicle fire, do not inhale smoke, vapors or gas from the vehicle, as they may be hazardous.
- Stay out of the roadway and stay out of the way of any oncoming traffic while awaiting the arrival of emergency responders.

Post-Incident

- Do not store a severely damaged vehicle with a lithium-ion battery inside a structure or within 49 ft (15 m) of any structure or vehicle.
- Make sure that passenger and luggage compartments remain ventilated.
- Call emergency assistance if you observe leaking fluids, sparks, smoke or flames, or hear gurgling or bubbling from the high-voltage battery.

POST-CRASH ALERT SYSTEM

The system flashes the direction indicators and sounds the horn (intermittently) in the event of a serious impact that deploys an airbag (front, side, side curtain or Safety Canopy) or the seatbelt pretensioners.

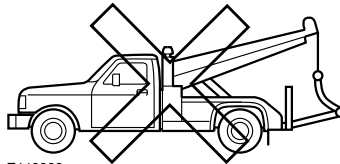
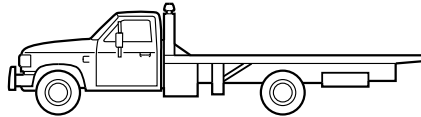
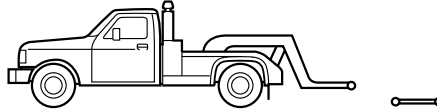
The horn and indicators turn off when:

- You press the hazard control button.
- You press the panic button on the remote entry transmitter (if equipped).

Roadside Emergencies

- Your vehicle runs out of power.
- Sounding of the horn is only enabled in specific markets.

TRANSPORTING THE VEHICLE



If you need to tow your vehicle, contact a professional towing service or, if you are a member of a roadside assistance program, your roadside assistance service provider.

We recommend the use of a wheel lift and dollies or flatbed equipment to tow your vehicle. Do not tow with a slingbelt. We do not approve a slingbelt towing procedure. If you tow your vehicle incorrectly, or by any other means, vehicle damage may occur.

We produce a towing manual for all authorized tow truck operators. Have your tow truck operator refer to this manual for proper hook-up and towing procedures for your vehicle.

It is acceptable to tow your front-wheel drive vehicle from the front if using proper wheel lift equipment to raise the front wheels off the ground. When towing in this manner, the rear wheels can remain on the ground.

Front-wheel drive vehicles must have the front wheels placed on a tow dolly when towing your vehicle from the rear using wheel lift equipment. This prevents damage to the transmission.

Customer Assistance

GETTING THE SERVICES YOU NEED

Warranty repairs to your vehicle must be performed by an authorized dealer. While any authorized dealer handling your vehicle line provides warranty service, we recommend you return to your selling authorized dealer who wants to ensure your continued satisfaction.

Please note that certain warranty repairs require special training and equipment, so not all authorized dealers are authorized to perform all warranty repairs. This means that, depending on the warranty repair needed, you may have to take your vehicle to another authorized dealer.

A reasonable time must be allowed to perform a repair after taking your vehicle to the authorized dealer. Repairs are made using Lincoln or Motorcraft parts, or remanufactured or other parts that are authorized by Lincoln.

Away From Home

If you are away from home when your vehicle needs service, contact the Lincoln Client Relationship Center or use the online resources listed below to find the nearest authorized dealer.

In the United States:

Mailing address

Lincoln Motor Company
Client Relationship Center
P.O. Box 6248
Dearborn, MI 48126

Telephone

1-800-521-4140
TDD for the hearing impaired:
1-800-232-5952

Web Address
www.LincolnOwner.com

These are some of the items that can be found online:

- United States dealer locator by Dealer Name, City, State or ZIP Code.
- Owner Manuals.
- Maintenance Schedules.
- Recalls.
- Lincoln Extended Service Plans.
- Lincoln Original Accessories.
- Service specials and promotions.

In Canada:

Mailing address

Lincoln Client Relationship Centre
Lincoln Motor Company of Canada, Limited
P.O. Box 2000
Oakville, Ontario L6K 1C8

Telephone

1-800-387-9333

Customer Assistance

Web Address
www.LincolnCanada.com

Online Resources

Twitter English

@LincolnMotorCA

Twitter French

@LincolnQC

Instagram

@LincolnMotorCA

Facebook

/LincolnMotorCA

Additional Assistance

If you have questions or concerns, or are unsatisfied with the service you are receiving, follow these steps:

1. Contact your Sales Representative or Service Advisor at your selling or servicing authorized dealer.

2. If your inquiry or concern remains unresolved, contact the Sales Manager, Service Manager or Customer Relations Manager.
3. If you require assistance or clarification on Lincoln Motor Company policies, please contact the Lincoln Client Relationship Center.

In order to help us serve you better, please have the following information available when contacting a Client Relationship Center:

- Vehicle Identification Number.
- Your telephone number (home and business).
- The name of the authorized dealer and city where located.
- The vehicle's current odometer reading.

In some states, you must directly notify Lincoln in writing before pursuing remedies under your state's warranty laws. Lincoln is also allowed a final repair attempt in some states.

In the United States, a warranty dispute must be submitted to the BBB AUTO LINE before taking action under the Magnuson-Moss Warranty Act, or to the extent allowed by state law, before pursuing replacement or repurchase remedies provided by certain state laws. This dispute handling procedure is not required prior to enforcing state created rights or other rights which are independent of the Magnuson-Moss Warranty Act or state replacement or repurchase laws.

IN CALIFORNIA (U.S. ONLY)

California Civil Code Section 1793.2(d) requires that, if a manufacturer or its representative is unable to repair a motor vehicle to conform to the vehicle's applicable express warranty after a reasonable number of attempts, the manufacturer shall be required to either replace the vehicle with one substantially identical or repurchase the

Customer Assistance

vehicle and reimburse the buyer in an amount equal to the actual price paid or payable by the consumer (less a reasonable allowance for consumer use). The consumer has the right to choose whether to receive a refund or replacement vehicle.

California Civil Code Section 1793.22(b) presumes that the manufacturer has had a reasonable number of attempts to conform the vehicle to its applicable express warranties if, within the first 18 months of ownership of a new vehicle or the first 18,000 mi (29,000 km), whichever occurs first:

1. Two or more repair attempts are made on the same non-conformity likely to cause death or serious bodily injury OR
2. Four or more repair attempts are made on the same nonconformity (a defect or condition that substantially impairs the use, value or safety of the vehicle) OR
3. The vehicle is out of service for repair of nonconformities for a total of more than 30 calendar days (not necessarily all at one time).

In the case of 1 or 2 above, the consumer must also notify the manufacturer of the need for the repair of the nonconformity at the following address:

Ford Motor Company
16800 Executive Plaza Drive
Mail Drop 3NE-B
Dearborn, MI 48126

You are required to submit your warranty dispute to BBB AUTO LINE before asserting in court any rights or remedies conferred by California Civil Code Section 1793.22(b). You are also required to use BBB AUTO LINE before exercising rights or seeking remedies created by the Federal Magnuson-Moss Warranty Act, 15 U.S.C. sec. 2301 et seq. If you choose to seek redress by pursuing rights and remedies not created by California Civil Code Section 1793.22(b) or the Magnuson-Moss Warranty Act, resort to BBB AUTO LINE is not required by those statutes.

THE BETTER BUSINESS BUREAU (BBB) AUTO LINE PROGRAM (U.S. ONLY)

Your satisfaction is important to Ford Motor Company and to your dealer. If a warranty concern has not been resolved using the three-step procedure outlined earlier in this chapter in the Getting the Services you need section, you may be eligible to participate in the BBB AUTO LINE program.

The BBB AUTO LINE program consists of two parts – mediation and arbitration. During mediation, a representative of the BBB will contact both you and Ford Motor Company to explore options for settlement of the claim. If an agreement is not reached during mediation or you do not want to participate in mediation, and if your claim is eligible, you may participate in the arbitration process. An arbitration hearing will be scheduled so that you can present your case in an informal setting before an impartial person. The arbitrator will consider the testimony provided and make a decision after the hearing.

Customer Assistance

Disputes submitted to the BBB AUTO LINE program are usually decided within forty days after you file your claim with the BBB. You are not bound by the decision, and may reject the decision and proceed to court where all findings of the BBB Auto Line dispute, and decision, are admissible in the court action. Should you choose to accept the BBB AUTO LINE decision, Ford is then bound by the decision, and must comply with the decision within 30 days of receipt of your acceptance letter.

BBB AUTO LINE Application: Using the information provided below, please call or write to request a program application. You will be asked for your name and address, general information about your new vehicle, information about your warranty concerns, and any steps you have already taken to try to resolve them. A Customer Claim Form will be mailed that will need to be completed, signed and returned to the BBB along with proof of ownership. Upon receipt, the BBB will review the claim for eligibility under the Program Summary Guidelines.

You can get more information by calling BBB AUTO LINE at 1-800-955-5100, or writing to:

**BBB AUTO LINE
3033 Wilson Boulevard, Suite 600
Arlington, Virginia 22201**

BBB AUTO LINE applications can also be requested by calling the Ford Motor Company Customer Relationship Center at 1-800-392-3673.

For additional information refer to the Better Business Bureau website.

Note: *Ford Motor Company reserves the right to change eligibility limitations, modify procedures, or to discontinue this process at any time without notice and without obligation.*

UTILIZING THE MEDIATION/ARBITRATION PROGRAM (CANADA ONLY)

For vehicles delivered to authorized Canadian dealers. In those cases where you continue to feel that the efforts by Ford of Canada and the authorized dealer to resolve a factory-related vehicle service concern have been unsatisfactory, Ford of Canada participates in an impartial third party mediation/arbitration program administered by the Canadian Motor Vehicle Arbitration Plan (CAMVAP).

The CAMVAP program is a straight forward and relatively speedy alternative to resolve a disagreement when all other efforts to produce a settlement have failed. This procedure is without cost to you and is designed to eliminate the need for lengthy and expensive legal proceedings.

Customer Assistance

In the CAMVAP program, impartial third-party arbitrators conduct hearings at mutually convenient times and places in an informal environment. These impartial arbitrators review the positions of the parties, make decisions and, when appropriate, render awards to resolve disputes. CAMVAP decisions are fast, fair, and final as the arbitrator's award is binding on both you and Ford of Canada.

CAMVAP services are available in all Canadian territories and provinces. For more information, without charge or obligation, call your CAMVAP Provincial Administrator directly at 1-800-207-0685 or visit www.camvap.ca.

GETTING ASSISTANCE OUTSIDE THE U.S. AND CANADA

Before exporting your vehicle to a foreign country, contact the appropriate foreign embassy or consulate. These officials can inform you of local vehicle registration regulations and where to find unleaded fuel or petrol/gas engines or the proper sulfur fuel for diesel engines.

If you cannot find the proper fuel recommended for your vehicle, contact our Customer Relationship Center.

The use of improper fuels in your vehicle without proper conversion may damage the effectiveness of your emission control system and may cause engine knocking or serious engine damage. Ford Motor Company or Ford of Canada is not responsible for any damage caused by use of improper fuel. Using improper fuels may also result in difficulty importing your vehicle back into the United States.

If your vehicle must be serviced while you are traveling or living in Asia-Pacific Region, Sub-Saharan Africa, U.S. Virgin Islands and/or Puerto Rico, Central America, the Caribbean, and Israel and the Middle East, contact the nearest authorized dealer. If the authorized dealer cannot help you, contact the corresponding Ford Customer Assistance Center:

FORD MOTOR COMPANY

Customer Relationship Centers in:

Customer Assistance

Customer Relationship Center	Phone	Fax	E-mail
Asia Pacific	N/A	N/A	apemcrc@ford.com
Caribbean and Central America	+1 313 594 4857	-	expcac@ford.com
Middle East	Ford 80004443673	971 4 3327 266	menacac@ford.com
	Lincoln 80004441067		
	UAE 80004441066		
	Saudi Arabia 8008443673		
	Mobily and Zain cell phone users in Saudi 800850078		
	Kuwait 22280384		
North Africa	N/A	N/A	nafcrc@ford.com

Customer Assistance

Customer Relationship Center	Phone	Fax	E-mail
Puerto Rico and U.S. Virgin Islands	+1-800-841-3673	N/A	prcac@ford.com
Sub-Saharan Africa	N/A	N/A	ssacrc@ford.com
South Korea	+82-02-1600-6003	N/A	infokr1@ford.com or infokr@lincoln.com

If you buy your vehicle in North America and then relocate to any of the above locations, register your vehicle identification number (VIN) and new address with Ford Global Trade Services by emailing, expcso@ford.com.

If you are in another foreign country, contact the nearest authorized dealer. In the event your inquiry is unresolved, communicate your concern with the dealership's Sales Manager, Service Manager or Customer Relations Manager. If you require additional assistance or clarification, please contact the respective Customer Relationship Center as previously listed.

**Customers in the U.S. should call
1-800-392-3673.**

ORDERING ADDITIONAL OWNER'S LITERATURE

To order the publications in this portfolio, contact Helm, Incorporated at:

HELM, INCORPORATED
47911 Halyard Drive
Plymouth, Michigan 48170
Attention: Customer Service

Or to order a free publication catalog, call toll free: 1-800-782-4356

Monday-Friday 8:00 a.m. - 6:00 p.m. EST

Helm, Incorporated can also be reached by their website:

www.helminc.com

(Items in this catalog may be purchased by credit card, check or money order.)

Obtaining a French Owner's Manual

French Owner's Manual can be obtained from your authorized dealer or by contacting Helm, Incorporated using the contact information listed previously in this section.

Customer Assistance

REPORTING SAFETY DEFECTS (U.S. ONLY)

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Ford Motor Company.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Ford Motor Company.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to www.safercar.gov; or write to:

Administrator

1200 New Jersey Avenue, Southeast

Washington, D.C. 20590

You can also obtain other information about motor vehicle safety from www.safercar.gov.

REPORTING SAFETY DEFECTS (CANADA ONLY)

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform Transport Canada and Ford of Canada.

Transport Canada Contact Information	
Website	http://www.tc.gc.ca/eng/motorvehiclesafety/reporting-defects-motor-vehicles.html (English)
Website	http://www.tc.gc.ca/fra/securiteautomobile/signaler-defauts-vehicules-automobiles.html (French)
Phone	1-800-333-0510

Customer Assistance

Ford of Canada Contact Information	
Website	www.ford.ca
Phone	1-800-565-3673

Fuses

FUSE SPECIFICATION CHART

Power Distribution Box



WARNING: Always disconnect the battery before servicing high current fuses.

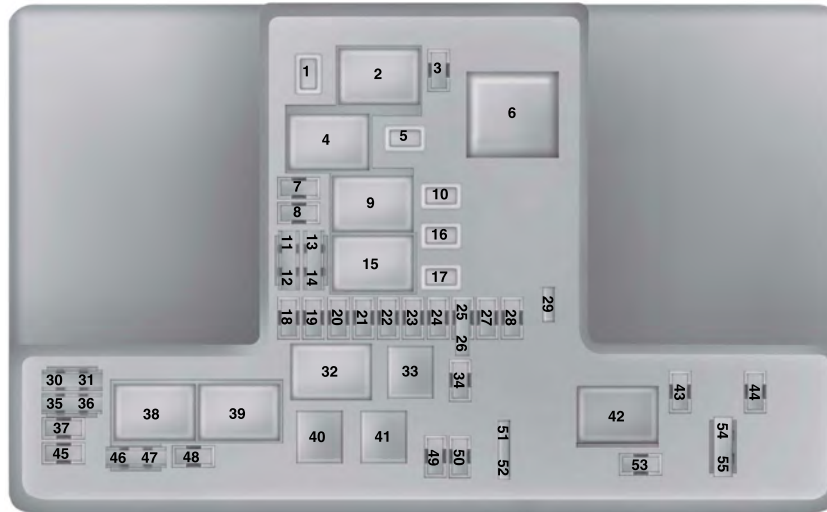


WARNING: To reduce risk of electrical shock, always replace the cover to the power distribution box before reconnecting the battery or refilling fluid reservoirs.

The power distribution box is in the engine compartment. It has high-current fuses that protect your vehicle's main electrical systems from overloads.

If you disconnect and reconnect the battery, you need to reset some features. See **Changing the 12V Battery** (page 312).

Fuses



E144783

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
1	25A ¹	Wiper Motor 2.
2	–	Not used.
3	15A ²	Rain sensor.
4	–	Blower motor relay.
5	20A ¹	Power point 3 - back of console.
6	–	Not used.
7	20A ²	Powertrain control module - vehicle power 1. Powertrain control module power.
8	20A ²	Powertrain control module - vehicle power 2. Emissions components.
9	–	Powertrain control module relay.
10	20A ¹	Power point 1 - driver front.
11	15A ³	Powertrain control module - vehicle power 4. Ignition coils.
12	15A ³	Powertrain control module - vehicle power 3. Non-emissions components.

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
13	10A ²	Fuel door mechanism.
14	10A ²	Not used (spare).
15	—	Run/start relay.
16	20A ¹	Power point 2 - console.
17	20A ¹	Power point 4.
18	10A ²	Powertrain and hybrid powertrain control module - keep alive power.
19	10A ²	Run/start electronic power assist steering.
20	10A ²	Run/start lighting. Adaptive cruise control.
21	15A ²	Run/start transmission switch. HEV inverter.
22	5A ²	USB smart charger.
23	15A ²	Run/start: blind spot information system, rear view camera, heads-up display, shifter.
24	—	Not used.

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
25	10A ³	Run/start anti-lock brake system.
26	10A ³	Run/start powertrain control module.
27	10A ²	Heater control valve (HCV) power 5.
28	20A ²	Right hand side headlamp ballast.
29	20A ²	Left hand side headlamp ballast.
30	–	Not used.
31	–	Not used.
32	–	Hybrid electric vehicle pulse width modulated fan relay.
33	–	Not used.
34	–	Not used.
35	15A ²	Not used (spare).
36	15A ³	Hybrid electric vehicle battery electronic control module fan.
37	–	Not used.
38	–	Vacuum pump #1 relay.

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
39	—	Vacuum pump #2 relay.
40	—	Fuel pump relay.
41	—	Horn relay.
42	—	Not used.
43	10A ²	Fuel door motor.
44	—	Not used.
45	5A ²	Vacuum pump monitor.
46	10A ²	Not used (spare).
47	10A ³	Brake on/off switch.
48	20A ²	Horn.
49	5A ²	Air flow monitor.
50	15A ²	Battery energy control module.
51	15A ³	Hybrid content vehicle power 1. Hybrid powertrain control module.

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
52	15A ³	Hybrid content vehicle power 2. Battery energy control module.
53	10A ²	Multi-contour seats.
54	10A ³	Hybrid content vehicle power 3. Coolant pump.
55	10A ³	Hybrid content vehicle power 4. Air conditioning compressor.

¹ M Case fuse.

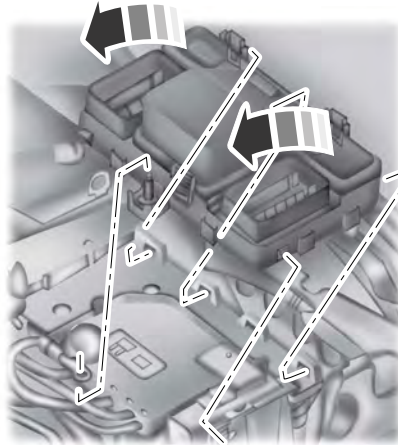
² Micro 2 fuse.

³ Micro 3 fuse.

Note: Spare fuses can vary per amperage depending on the trim level of the vehicle.

Fuses

Power Distribution Box - Bottom

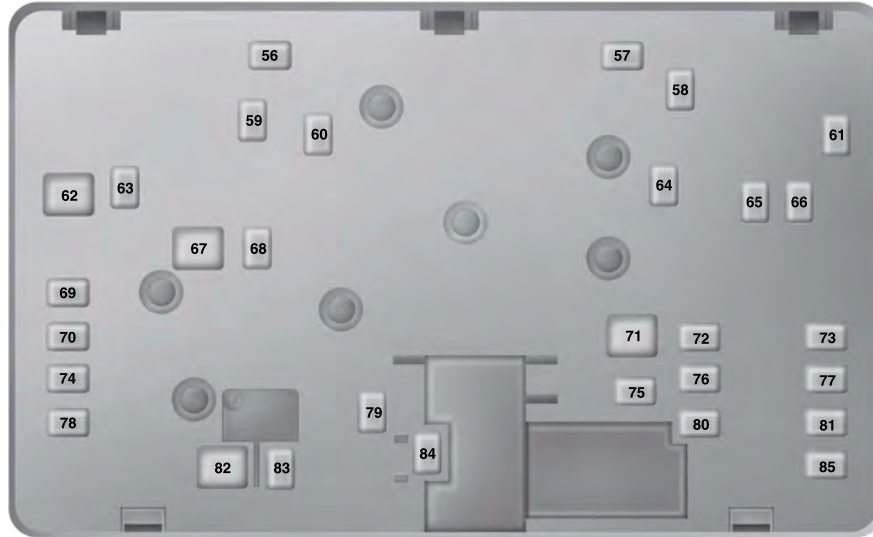


E145983

There are fuses on the bottom of the fuse box. To access the bottom of the fuse box, do the following:

1. Release the two latches on both sides of the fuse box.
2. Raise the inboard side of the fuse box from the cradle.
3. Move the fuse box toward the center of the engine compartment.
4. Pivot the outboard side of the fuse box to access the bottom side.

Fuses



E144949

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
56	30A ¹	Fuel pump feed.
57	-	Not used.
58	-	Not used.
59	40A ²	Vacuum pump relay.
60	40A ¹	Pulse width modulated fan.
61	-	Not used.
62	50A ²	Body control module 1.
63	-	Not used.
64	-	Not used.
65	20A ¹	Front heated seat.
66	15A ²	Not used (spare).
67	50A ²	Body control module 2.
68	40A ¹	Heated rear window.

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
69	30A ¹	Anti-lock brake system valves.
70	30A ¹	Passenger seat.
71	50A ¹	Not used (spare).
72	30A ¹	Panoramic roof number 1. Moonroof.
73	20A ²	Not used (spare).
74	30A ¹	Driver seat module.
75	-	Not used.
76	20A ¹	e-Shifter.
77	30A ¹	Front climate controlled seats.
78	-	Not used.
79	40A ²	Blower motor.
80	30A ¹	Power decklid.

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
81	40A ¹	Inverter.
82	60A ²	Anti-lock brake system pump.
83	25A ¹	Wiper motor number 1.
84	-	Not used.
85	30A ¹	Panoramic roof number 2.

¹ M Case fuse.

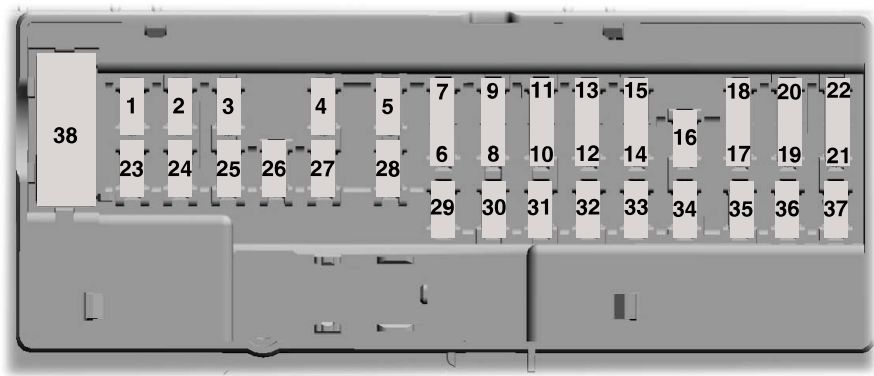
² J Case fuse.

Note: *Spare fuses can vary per amperage depending on the trim level of the vehicle.*

Passenger Compartment Fuse Panel

The fuse panel is under the instrument panel to the left of the steering column.

Fuses



E145984

Fuse or Relay Number	Fuse Rating	Protected Component
1	-	Not used.
2	7.5A ¹	Lumbar.
3	20A ¹	Driver door unlock.

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
4	5A ¹	Not used (spare).
5	20A ¹	Subwoofer amplifier.
6	10A ²	Not used (spare).
7	10A ²	Not used (spare).
8	10A ²	Not used (spare).
9	10A ²	Not used (spare).
10	5A ²	Power trunk logic. Keypad. Cellphone passport module.
11	5A ²	Not used (spare).
12	7.5A ²	Climate control. Gear shift.
13	7.5A ²	Steering wheel column. Instrument cluster. Datalink logic.
14	10A ²	Extended power module.

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
15	10A ²	Datalink/Gateway module.
16	15A ¹	Decklid release.
17	5A ²	Not used (spare).
18	5A ²	Push button start/stop.
19	7.5A ²	Extended power module.
20	7.5A ²	Adaptive headlamps.
21	5A ²	Humidity and in-car temperature.
22	5A ²	Not used (spare).
23	10A ¹	Delayed accessory (power inverter, moonroof, all smart window, driver window switch pack). Rear sunshade. Panoramic roof.
24	20A ¹	Central lock/unlock.
25	30A ¹	Driver door (window, mirror).

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
26	30A ¹	Front passenger door (window, mirror).
27	30A ¹	Moonroof.
28	20A ¹	Amplifier.
29	30A ¹	Rear driver side door (window).
30	30A ¹	Rear passenger side door (window).
31	15A ¹	Not used (spare).
32	10A ¹	Voice control. Display. Radio frequency receiver.
33	20A ¹	Radio. Active noise control. CD changer.
34	30A ¹	Run/start (fuse #19, 20, 21, 22, 35, 36, 37, circuit breaker).
35	5A ¹	Not used (spare).
36	15A ¹	Auto-dimming rear view mirror. Heated rear seats.

Fuses

Fuse or Relay Number	Fuse Rating	Protected Component
		Continuous control damping suspension module.
37	20A ¹	Heated steering wheel.
38	-	Not used.

¹ Micro 2 fuse.

² Micro 3 fuse.

Note: Spare fuses can vary per amperage depending on the trim level of the vehicle.

CHANGING A FUSE

Fuses



WARNING: Always replace a fuse with one that has the specified amperage rating. Using a fuse with a higher amperage rating can cause severe wire damage and could start a fire.

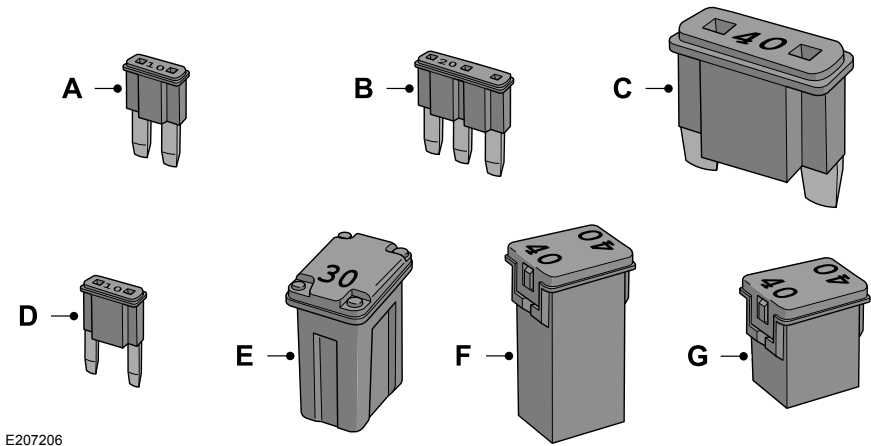


E217331

If electrical components in the vehicle are not working, a fuse may have blown. Blown fuses are identified by a broken wire within the fuse. Check the appropriate fuses before replacing any electrical components.

Fuses

Fuse Types



Callout	Fuse Type
A	Micro 2
B	Micro 3
C	Maxi

Fuses

Callout	Fuse Type
D	Mini
E	M Case
F	J Case
G	J Case Low Profile

Maintenance

GENERAL INFORMATION

Have your vehicle serviced regularly to help maintain its roadworthiness and resale value. There is a large network of authorized dealers that are there to help you with their professional servicing expertise. We believe that their specially trained technicians are best qualified to service your vehicle properly and expertly. They are supported by a wide range of highly specialized tools developed specifically for servicing your vehicle.

If your vehicle requires professional service, an authorized dealer can provide the necessary parts and service. Check your warranty information to find out which parts and services are covered.

Use only recommended fuels, lubricants, fluids and service parts conforming to specifications. Motorcraft® parts are designed and built to provide the best performance in your vehicle.

Precautions

- Do not work on a hot engine.
- Make sure that nothing gets caught in moving parts.
- Do not work on a vehicle with the engine running in an enclosed space, unless you are sure you have enough ventilation.
- Keep all open flames and other burning material (such as cigarettes) away from the battery and all fuel related parts.

Working with the Engine Off

1. Set the parking brake and shift the transmission to park (P).
2. Switch off the engine.
3. Block the wheels.

Working with the Engine On



WARNING: To reduce the risk of vehicle damage and personal burn injuries, do not start your engine with the air cleaner removed and do not remove it while the engine is running.

1. Set the parking brake and shift the transmission to park (P).
2. Block the wheels.

OPENING AND CLOSING THE HOOD

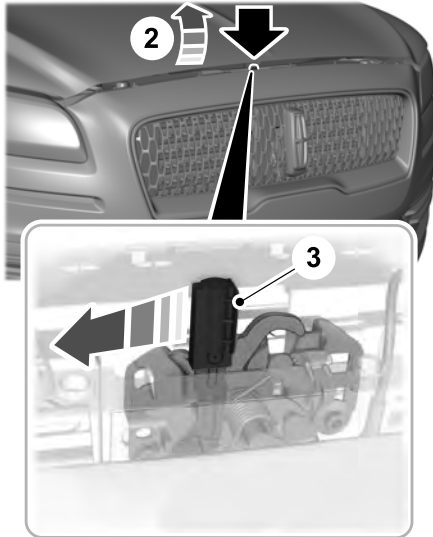
Opening the Hood



E142457

1. Inside the vehicle, pull the hood release handle under the left-hand side of the instrument panel.

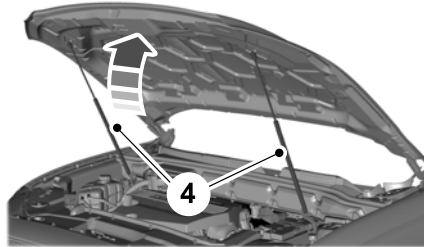
Maintenance



E269403

2. Slightly lift the hood.

3. Release the hood latch by pushing the secondary release lever to your left-hand side.



E269400

4. Open the hood. The hood strut supports the hood.

Closing the Hood

1. Lower the hood and allow it to drop under its own weight for the last 8–12 in (20–30 cm).

Note: Make sure that the hood is correctly closed.

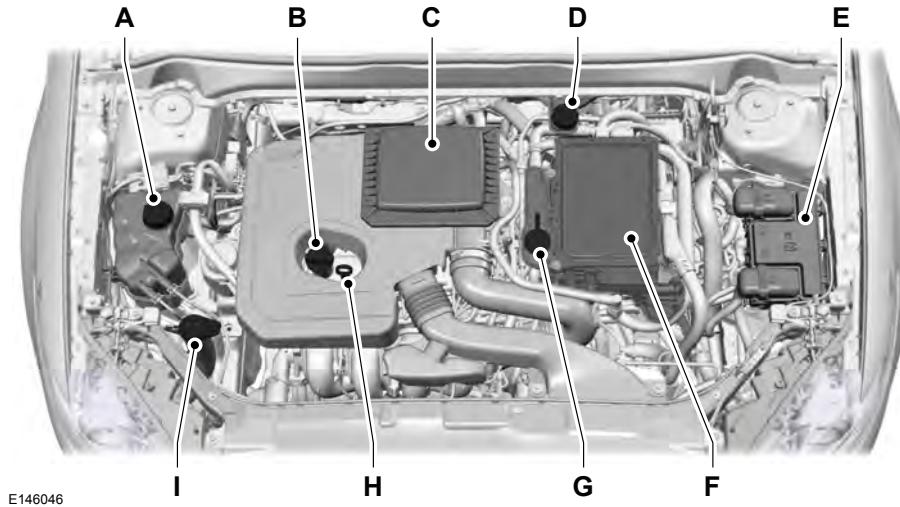
UNDER HOOD OVERVIEW



WARNING: The inverter system controller contains various high-voltage components that can cause serious bodily harm or death. The inverter system controller is not serviceable and should never be touched, probed, or tampered with.

Note: Do not attempt to service any of the high-voltage components or wiring. For easier identification, the high-voltage wiring insulation is color coated orange.

Maintenance

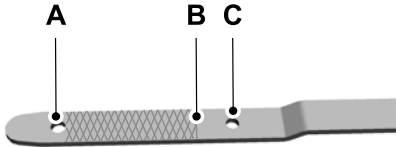


- A Engine coolant reservoir. See **Engine Coolant Check** (page 305).
- B Engine oil filler cap. See **Engine Oil Check** (page 304).
- C Air filter. See **Changing the Engine Air Filter** (page 316).
- D Brake fluid reservoir. See **Brake Fluid Check** (page 311).
- E Engine compartment fuse box. See **Fuses** (page 282).

Maintenance

- F Inverter system controller.
- G Inverter system controller coolant reservoir. See **Engine Coolant Check** (page 305).
- H Engine oil dipstick. See **Engine Oil Dipstick** (page 304).
- I Washer system fluid reservoir. See **Washer Fluid Check** (page 312).

ENGINE OIL DIPSTICK



E250320

- A MIN
- B FULL
- C MAX

ENGINE OIL CHECK

Note: Check the level before starting the engine.

Note: Make sure that the level is between the MIN and the MAX marks.

1. Make sure that your vehicle is on level ground.
2. Turn the engine off and wait 10 minutes for the oil to drain into the oil pan.
3. Remove the dipstick and wipe it with a clean, lint-free cloth. Reinstall the dipstick and remove it again to check the oil level.

If the level is at the MIN mark, add oil immediately.

Adding Engine Oil

Note: Do not remove the filler cap when the engine is running.

Note: Do not add oil further than the MAX mark. Oil levels above the MAX mark may cause engine damage.



E142732

Maintenance

Only use oils certified for gasoline engines by the American Petroleum Institute (API). An oil with this trademark symbol conforms to the current engine and emission system protection standards and fuel economy requirements of the International Lubricants Specification Advisory Committee (ILSAC).

1. Remove the filler cap.
2. Add engine oil that meets our specifications. See **Capacities and Specifications** (page 359).
3. Replace the filler cap. Turn it until you feel a strong resistance.

OIL CHANGE INDICATOR RESET

Use the information display controls on the steering wheel to reset the oil change indicator.

From the main menu scroll to:

Message	Action and description
Settings	Press the right arrow button, then from this menu scroll to the following message.
Vehicle	Press the right arrow button, then from this menu scroll to the following message.
Oil Life	Press the right arrow button, then from this menu scroll to the following message.
Hold OK to Reset	<p>Press and hold the OK button until the instrument cluster displays the following message.</p> <p>Reset Successful</p> <p>When the oil change indicator resets the instrument cluster displays 100%.</p> <p>Remaining Life</p> <p>{00}%</p>

Message	Action and description
	<p>If the instrument cluster displays one of the following messages, repeat the process.</p> <p>Not Reset</p> <p>Reset Cancelled</p>

ENGINE COOLANT CHECK



WARNING: Do not remove the coolant reservoir cap when the engine is on or the cooling system is hot. Wait 10 minutes for the cooling system to cool down. Cover the coolant reservoir cap with a thick cloth to prevent the possibility of scalding and slowly remove the cap. Failure to follow this instruction could result in personal injury.

Maintenance



WARNING: Do not put coolant in the windshield washer reservoir. If sprayed on the windshield, coolant could make it difficult to see through the windshield.



WARNING: To reduce the risk of personal injury, make sure the engine is cool before unscrewing the coolant pressure relief cap. The cooling system is under pressure. Steam and hot liquid can come out forcefully when you loosen the cap slightly.



WARNING: Do not add coolant further than the **MAX** mark.

Your vehicle has two separate cooling systems. One for cooling the engine and a separate system for cooling the inverter system controller that is specific to the hybrid operating system. The two systems operate similarly, with the inverter system controller cooling system generally operating at a lower temperature and pressure.

When the engine is cold, check the concentration and level of the coolant at the intervals listed in the scheduled maintenance information. See **Scheduled Maintenance** (page 462).

Note: *Make sure that the coolant level is between the **MIN** and the **MAX** marks on the coolant reservoir.*

Note: *Coolant expands when it is hot. The level may extend beyond the **MAX** mark.*

Maintain coolant concentration within 48% to 50%, which equates to a freeze point between -30°F (-34°C) and -34°F (-37°C). Coolant concentration should be checked using a refractometer. We do not recommend the use of hydrometers or coolant test strips for measuring coolant concentration.

Adding Coolant



WARNING: Do not remove the coolant reservoir cap when the engine is on or the cooling system is hot. Wait 10 minutes for the cooling system to cool down. Cover the coolant reservoir cap with a thick cloth to prevent the possibility of scalding and slowly remove the cap. Failure to follow this instruction could result in personal injury.



WARNING: Do not add engine coolant when the engine is on or the cooling system is hot. Failure to follow this instruction could result in personal injury.

Note: *Automotive fluids are not interchangeable. Do not use coolant or windshield washer fluid outside of its specified function and vehicle location.*

Maintenance

Note: Do not use stop leak pellets, cooling system sealants, or non-specified additives as they can cause damage to the engine cooling or heating systems. Resulting component damage may not be covered by the vehicle Warranty.

It is very important to use prediluted coolant approved to the correct specification in order to avoid plugging the small passageways in the engine cooling system. See **Capacities and Specifications** (page 364). Do not mix different colors or types of coolant in your vehicle. Mixing of engine coolants or using an incorrect coolant may harm the engine or cooling system components and may not be covered by the vehicle Warranty.

Note: If prediluted coolant is not available, use the approved concentrated coolant diluting it to 50/50 with distilled water. See **Capacities and Specifications** (page 359). Using water that has not been deionized may contribute to deposit formation, corrosion and plugging of the small cooling system passageways.

Note: Coolants marketed for all makes and models may not be approved to Ford specifications and may cause damage to the cooling system. Resulting component damage may not be covered by the vehicle Warranty.

If the coolant level is at or below the minimum mark, add prediluted coolant immediately.

To top up the coolant level do the following:

1. Unscrew the cap slowly. Any pressure escapes as you unscrew the cap.
2. Add prediluted coolant approved to the correct specification. See **Capacities and Specifications** (page 359).
3. Add enough prediluted coolant to reach the correct level.
4. Replace the coolant reservoir cap, turn it clockwise until you feel a strong resistance.
5. Check the coolant level in the coolant reservoir the next few times you drive your vehicle. If necessary, add enough prediluted engine coolant to bring the coolant level to the correct level.

If you have to add more than 1.1 qt (1 L) of engine coolant per month, have your vehicle checked as soon as possible. Operating an engine with a low level of coolant can result in engine overheating and possible engine damage.

In case of emergency, you can add a large amount of water without engine coolant in order to reach a vehicle service location. In this instance, qualified personnel:

1. Must drain the cooling system.
2. Chemically clean the cooling system.
3. Refill with prediluted coolant as soon as possible.

Water alone, without coolant, can cause engine damage from corrosion, overheating or freezing.

Do not use the following as a coolant substitute:

- Alcohol.
- Methanol.
- Brine.
- Any coolant mixed with alcohol or methanol antifreeze.

Maintenance

Alcohol and other liquids can cause engine damage from overheating or freezing.

Do not add extra inhibitors or additives to the coolant. These can be harmful and compromise the corrosion protection of the coolant.

Recycled Coolant

We do not recommend the use of recycled coolant as an approved recycling process is not yet available.

Dispose of used engine coolant in an appropriate manner. Follow your community's regulations and standards for recycling and disposing of automotive fluids.

Severe Climates

If you drive in extremely cold climates:

- It may be necessary to increase the coolant concentration above 50%.
- A coolant concentration of 60% provides improved freeze point protection. Coolant concentrations above 60% decrease the overheat protection characteristics of the coolant and may cause engine damage.

If you drive in extremely hot climates:

- You can decrease the coolant concentration to 40%.
- Coolant concentrations below 40% decrease the freeze and corrosion protection characteristics of the coolant and may cause engine damage.

Vehicles driven year-round in non-extreme climates should use prediluted coolant for optimum cooling system and engine protection.

Coolant Change

At specific mileage intervals, as listed in the scheduled maintenance information, the coolant should be changed. Add prediluted coolant approved to the correct specification. See **Capacities and Specifications** (page 359).

Fail-Safe Cooling

Fail-safe cooling allows you to temporarily drive your vehicle before any incremental component damage occurs. The fail-safe distance depends on ambient temperature, vehicle load and terrain.

How Fail-Safe Cooling Works

If the engine begins to overheat, the coolant temperature gauge moves toward the red zone:



A warning lamp illuminates and a message may appear in the information display.

Maintenance

If the engine reaches a preset over-temperature condition, the engine automatically switches to alternating cylinder operation. Each disabled cylinder acts as an air pump and cools the engine.

When this occurs, your vehicle still operates, however:

- Engine power is limited.
- The air conditioning system turns off.

Continued operation increases the engine temperature, causing the engine to completely shut down. Your steering and braking effort increases in this situation.

When the engine temperature cools, you can re-start the engine. Have your vehicle checked as soon as possible to minimize engine damage.

When Fail-Safe Mode Is Activated



WARNING: Fail-safe mode is for use during emergencies only. Operate your vehicle in fail-safe mode only as long as necessary to bring your vehicle to rest in a safe location and seek immediate repairs. When in fail-safe mode, your vehicle will have limited power, will not be able to maintain high-speed operation, and may completely shut down without warning, potentially losing engine power, power steering assist, and power brake assist, which may increase the possibility of a crash resulting in serious injury.



WARNING: Do not remove the coolant reservoir cap when the engine is on or the cooling system is hot. Wait 10 minutes for the cooling system to cool down. Cover the coolant reservoir cap with a thick cloth to prevent the possibility of scalding and slowly remove the cap. Failure to follow this instruction could result in personal injury.

Your vehicle has limited engine power when in the fail-safe mode, drive your vehicle with caution. Your vehicle does not maintain high-speed operation and the engine may operate poorly.

Remember that the engine is capable of automatically shutting down to prevent engine damage. In this situation:

1. Pull off the road as soon as safely possible and switch the engine off.
2. If you are a member of a roadside assistance program, we recommend that you contact your roadside assistance service provider.
3. If this is not possible, wait a short period for the engine to cool.
4. Check the coolant level. If the coolant level is at or below the minimum mark, add prediluted coolant immediately.
5. When the engine temperature cools, you can re-start the engine. Have your vehicle checked as soon as possible to minimize engine damage.

Note: *Driving your vehicle without repair increases the chance of engine damage.*

Maintenance

Engine Coolant Temperature Management (If Equipped)



WARNING: To reduce the risk of crash and injury, be prepared that the vehicle speed may reduce and the vehicle may not be able to accelerate with full power until the coolant temperature reduces.

If you tow a trailer with your vehicle, the engine may temporarily reach a higher temperature during severe operating conditions, for example ascending a long or steep grade in high ambient temperatures.

At this time, you may notice the coolant temperature gauge moves toward the red zone and a message may appear in the information display.

You may notice a reduction in vehicle speed caused by reduced engine power in order to manage the engine coolant temperature. Your vehicle may enter this mode if certain high-temperature and high-load conditions take place. The amount of speed reduction depends on vehicle loading, grade and ambient temperature. If this occurs, there is no need to pull off the road. You can continue to drive your vehicle.

The air conditioning may automatically turn on and off during severe operating conditions to protect the engine from overheating. When the coolant temperature decreases to the normal operating temperature, the air conditioning turns on.

If the coolant temperature gauge moves fully into the red zone, or if the coolant temperature warning or service engine soon messages appear in your information display, do the following:

1. Pull off the road as soon as safely possible and shift the transmission into park (P).

2. Leave the engine running until the coolant temperature gauge needle returns to the normal position. If the temperature does not drop after several minutes, follow the remaining steps.
3. Switch the engine off and wait for it to cool. Check the coolant level.
4. If the coolant level is at or below the minimum mark, add prediluted coolant immediately.
5. If the coolant level is normal, restart the engine and continue.

AUTOMATIC TRANSMISSION FLUID CHECK

Note: *Transmission fluid should be checked by an authorized dealer. If required, fluid should be added by an authorized dealer.*

Maintenance

Have an authorized dealer check and change the transmission fluid at the correct service interval. See **Maintenance** (page 301). Your transmission does not consume fluid.

However, the fluid level should be checked if the transmission is not working properly, (i.e., if the transmission slips or shifts slowly) or if you notice some sign of fluid leakage.

Do not use supplemental transmission fluid additives, treatments or cleaning agents. The use of these materials may affect transmission operation and result in damage to internal transmission components.

BRAKE FLUID CHECK



WARNING: Do not use any fluid other than the recommended brake fluid as this will reduce brake efficiency. Use of incorrect fluid could result in the loss of vehicle control, serious personal injury or death.



WARNING: Only use brake fluid from a sealed container. Contamination with dirt, water, petroleum products or other materials may result in brake system damage or failure. Failure to adhere to this warning could result in the loss of vehicle control, serious personal injury or death.



WARNING: Do not allow the fluid to touch your skin or eyes. If this happens, rinse the affected areas immediately with plenty of water and contact your physician.



WARNING: The brake system could be affected if the brake fluid level is below the **MIN** mark or above the **MAX** mark on the brake fluid reservoir.



E170684

1. Park your vehicle on a level surface.
2. Look at the brake fluid reservoir to see where the brake fluid level is relative to the **MIN** and the **MAX** marks on the reservoir.

Note: If the brake fluid level is between the **MIN** and the **MAX** marks on the reservoir, it is acceptable.

Maintenance

Note: If the brake fluid level is below the **MIN** mark or above the **MAX** mark, have your vehicle checked as soon as possible.

Note: To avoid fluid contamination, the reservoir cap must remain in place and fully tight, unless you are adding fluid.

Only use fluid that meets our specifications. See **Capacities and Specifications** (page 359).

Brake Fluid Service Interval

Brake fluid absorbs water over time which degrades the effectiveness of the brake fluid. Change the brake fluid at the specified intervals to prevent degraded braking performance.

For detailed interval information, see Scheduled Maintenance in your Owner's Manual or your local maintenance guide.

WASHER FLUID CHECK



WARNING: If you operate your vehicle in temperatures below 41.0°F (5°C), use washer fluid with antifreeze protection. Failure to use washer fluid with antifreeze protection in cold weather could result in impaired windshield vision and increase the risk of injury or accident.

Note: The front and rear washer systems are supplied from the same reservoir.

Add fluid to fill the reservoir if the level is low. Only use a washer fluid that meets our specifications. See **Capacities and Specifications** (page 359).

State or local regulations on volatile organic compounds may restrict the use of methanol, a common windshield washer antifreeze additive. Washer fluids containing non-methanol antifreeze agents should be used only if they provide cold weather protection without damaging the vehicle's paint finish, wiper blades or washer system.

FUEL FILTER

Your vehicle is equipped with a lifetime fuel filter that is integrated with the fuel tank. Regular maintenance or replacement is not needed.

CHANGING THE 12V BATTERY



WARNING: Batteries normally produce explosive gases which can cause personal injury. Therefore, do not allow flames, sparks or lighted substances to come near the battery. When working near the battery, always shield your face and protect your eyes. Always provide correct ventilation.



WARNING: When lifting a plastic-cased battery, excessive pressure on the end walls could cause acid to flow through the vent caps, resulting in personal injury and damage to the vehicle or battery. Lift the battery with a battery carrier or with your hands on opposite corners.

Maintenance



WARNING: Keep batteries out of reach of children. Batteries contain sulfuric acid. Avoid contact with skin, eyes or clothing. Shield your eyes when working near the battery to protect against possible splashing of acid solution. In case of acid contact with skin or eyes, flush immediately with water for a minimum of 15 minutes and get prompt medical attention. If acid is swallowed, call a physician immediately.



WARNING: Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.



WARNING: For vehicles with Auto-Start-Stop the battery requirement is different. You must replace the battery with one of exactly the same specification.

Your vehicle is fitted with a Motorcraft maintenance-free battery which normally does not require additional water.

When a battery replacement is required, you must use a recommended replacement battery that matches the electrical requirements of the vehicle.

Note: *If your vehicle has a battery cover, after cleaning or replacing the battery, make sure you reinstall it.*

Note: *See an authorized dealer for battery access, testing, or replacement.*

To make sure the battery management system works correctly, do not connect an electrical device ground connection directly to the battery negative post. This can cause inaccurate measurements of the battery condition and potential incorrect system operation.

Note: *If you add electrical accessories or components to the vehicle, it may adversely affect battery performance and durability. This may also affect the performance of other electrical systems in the vehicle.*

If you see any corrosion on the battery or terminals, remove the cables from the terminals and clean with a wire brush. You can neutralize the acid with a solution of baking soda and water.

Because your vehicle's engine is electronically-controlled by a computer, some engine control settings are maintained by power from the battery. Some engine computer settings, like the idle trim and fuel trim strategy, optimize the driveability and performance of the engine. The clock and radio station presets are also maintained in memory by power from the low-voltage battery. These settings are erased when a technician disconnects and connects the low-voltage battery.

To restore the settings, do the following:

Note: *Until you switch the ignition to the on position, you will receive a message in your information display stating that your vehicle is not in park.*

1. Apply the parking brake.
2. Shift into park (P) or neutral (N).
3. Switch off all accessories.
4. Press the brake pedal and start your vehicle.

Maintenance

5. Run the engine until it reaches normal operating temperature. While the engine is warming up, complete the following: Reset the clock. See **Audio Unit** (page 382). Reset the power windows bounce-back feature. See **Power Windows** (page 95). Reset the radio station presets. See **Audio Unit** (page 382).
6. Allow the engine to idle for at least one minute.
7. Drive the vehicle at least 10 mi (16 km) to completely relearn the idle trim and fuel trim strategy.

Note: *If you do not allow the engine to relearn the idle and fuel trim strategy, the idle quality of your vehicle may be adversely affected until the engine computer eventually relearns the idle trim and fuel trim strategy.*

Note: *Certain features may not operate if the battery monitor system is not reset with a scan tool following a jump start or battery replacement. Normal electrical accessory operation should resume after your vehicle is left undisturbed for 8 hours.*

Make sure that you dispose of old batteries in an environmentally friendly way. Seek advice from your local authority about recycling old batteries.

If storing your vehicle for more than 30 days without recharging the battery, we recommend that you disconnect the battery cables to maintain battery charge for quick starting.

CHECKING THE WIPER BLADES



E142463

Run the tip of your fingers over the edge of the blade to check for roughness.

Clean the wiper blades with washer fluid or water applied with a soft sponge or cloth.

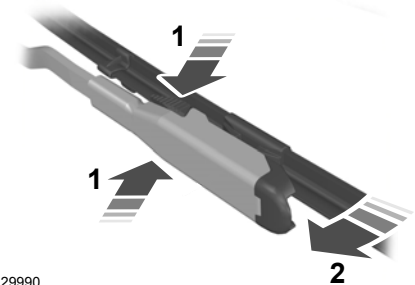
CHANGING THE WIPER BLADES

Replace the wiper blades at least annually for optimum performance.

You can improve poor wiper quality by cleaning the wiper blades and the windshield.

Note: *Do not hold the wiper blade when lifting the wiper arm.*

Note: *Make sure that the wiper arm does not spring back against the glass when the wiper blade is not attached.*



E129990

Maintenance

1. Pull the wiper blade and arm away from the glass. Press the locking buttons together.
2. Slightly rotate the wiper blade.
3. Remove the wiper blade.
4. Install in the reverse order.

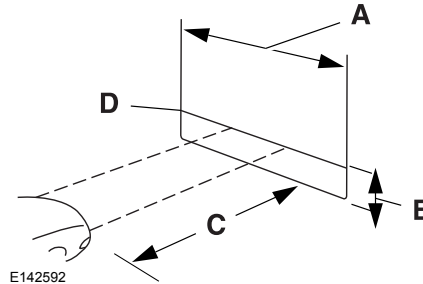
Note: Make sure that the wiper blade locks into place.

ADJUSTING THE HEADLAMPS

Vertical Aim Adjustment

The headlamps on your vehicle are properly aimed at the assembly plant. If your vehicle has been in an accident, the alignment of your headlamps should be checked by your authorized dealer.

Headlamp Aiming Target



- A 8 feet (2.4 meters)
- B Center height of lamp to ground
- C 25 feet (7.6 meters)
- D Horizontal reference line

Vertical Aim Adjustment Procedure

1. Park the vehicle directly in front of a wall or screen on a level surface, approximately 25 ft (7.6 m) away.

2. Measure the height of the headlamp bulb center from the ground and mark an 8 ft (2.4 m) horizontal reference line on the vertical wall or screen at this height.

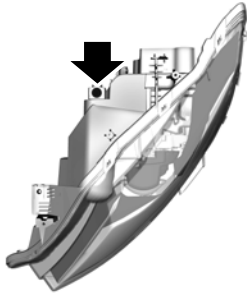
Note: To see a clearer light pattern for adjusting, you may want to block the light from one headlamp while adjusting the other.

3. Turn on the low beam headlamps to illuminate the wall or screen and open the hood.



Maintenance

- On the wall or screen you will observe a flat zone of high intensity light located at the top of the right hand portion of the beam pattern. If the top edge of the high intensity light zone is not at the horizontal reference line, the headlamp will need to be adjusted.



E150095

- Locate the vertical adjuster on each headlamp. Using a Phillips #2 screwdriver, turn the adjuster either clockwise or counterclockwise in order to adjust the vertical aim of the headlamp. The horizontal edge of the brighter light should touch the horizontal reference line.

- Close the hood and turn off the lamps.

Horizontal Aim Adjustment

The horizontal aim does not require any adjustment for this vehicle. If a fault occurs, have the system checked by an authorized dealer.

CHANGING A BULB

Replacing Bulbs

For replacing bulbs, see your authorized dealer.

CHANGING THE ENGINE AIR FILTER

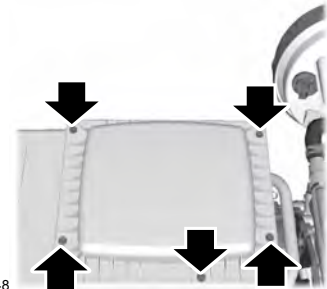


WARNING: To reduce the risk of vehicle damage and/or personal burn injuries do not start your engine with the air cleaner removed and do not remove it while the engine is running.

When changing the air filter element, use only the air filter element listed. See **Capacities and Specifications** (page 359).

Change the air filter element at the proper interval. See **Scheduled Maintenance** (page 462).

Note: Failure to use the correct air filter element may result in severe engine damage. The customer warranty may be void for any damage to the engine if the correct air filter element is not used.



E146048

- Loosen the 5 bolts on the air cleaner cover.
- Remove the air cleaner cover.

Maintenance

3. Remove the engine air filter element from the engine air cleaner assembly.
4. Wipe any dirt or debris from the air filter housing and cover to make sure no dirt gets in the engine and to make sure you have a good seal.
5. Install the new engine air filter element to the engine air cleaner assembly.
6. Install the air cleaner cover.
7. Tighten the 5 bolts to the air cleaner cover.

Vehicle Care

GENERAL INFORMATION

Your dealer has many quality products available to clean your vehicle and protect its finishes.

CLEANING PRODUCTS

Materials

For best results, use the following products or products of equivalent quality:

Name	Specification
Motorcraft® Bug and Tar Remover, ZC-42 (U.S. & Canada)	
Motorcraft® Custom Bright Metal Cleaner, ZC-15 (U.S. & Canada)	ESR-M5B194-B
Motorcraft® Detail Wash, ZC-3-A (U.S. & Canada)	ESR-M14P4-A
Motorcraft® Engine Shampoo and Degreaser, ZC-20 (U.S.)	ESR-M14P3-A
Motorcraft® Engine Shampoo, CXC-66-A (Canada)	
Motorcraft® Premium Leather and Vinyl Cleaner, ZC-56 (U.S. & Canada)	
Motorcraft® Multi-Purpose Cleaner, CXC-101 (Canada)	
Motorcraft® Premium Windshield Wash Concentrate with Bitterant, ZC-32-B2 (U.S.)	WSS-M14P19-A
Motorcraft® Premium Quality Windshield Washer Fluid, CXC-37-A/B/D/F (Canada)	WSS-M14P19-A
Motorcraft® Professional Strength Carpet & Upholstery Cleaner, ZC-54 (U.S. & Canada)	
Motorcraft® Premium Glass Cleaner, CXC-100 (Canada)	ESR-M14P5-A

Vehicle Care

Name	Specification
Motorcraft® Spot and Stain Remover, ZC-14 (U.S.)	
Motorcraft® Ultra-Clear Spray Glass Cleaner, ZC-23 (U.S.)	ESR-M14P5-A
Motorcraft® Wheel and Tire Cleaner, ZC-37-A (U.S. & Canada)	

CLEANING THE EXTERIOR

Wash your vehicle regularly with cool or lukewarm water and a neutral pH shampoo, we recommend Motorcraft Detail Wash.

- Never use strong household detergents or soap, for example dish washing or laundry liquid. These products can discolor and spot painted surfaces.
- Never wash your vehicle when it is hot to the touch, or during strong or direct sunlight.
- Dry your vehicle with a chamois or soft terry cloth towel to eliminate water spotting.

- Immediately remove fuel spillages, bird droppings, insect deposits and road tar. These may cause damage to your vehicle's paintwork or trim over time. We recommend Motorcraft Bug and Tar Remover.
- Remove any exterior accessories, for example antennas, before entering a car wash.
- When filling with AdBlue®, remove any residue on painted surfaces immediately.

Note: *Suntan lotions and insect repellents can damage painted surfaces. If these substances come in contact with your vehicle, wash the affected area as soon as possible.*

Cleaning the Headlamps

Note: *Do not scrape the headlamp lenses or use abrasives, alcoholic solvents or chemical solvents to clean them.*

Note: *Do not wipe the headlamps when they are dry.*

Vehicle Care

Exterior Chrome Parts

- Apply a high quality-cleaning product to bumpers and other chrome parts. Follow the manufacturer's instructions. We recommend Motorcraft Custom Bright Metal Cleaner.
- Do not apply the cleaning product to hot surfaces. Do not leave the cleaning product on chrome surfaces longer than the time recommended.
- Using non-recommended cleaners can result in severe and permanent cosmetic damage.

Note: *Never use abrasive materials, for example steel wool or plastic pads as they can scratch the chrome surface.*

Note: *Do not use chrome cleaner, metal cleaner or polish on wheels or wheel covers.*

Exterior Plastic Parts

For routine cleaning we recommend Motorcraft Detail Wash. If tar or grease spots are present, we recommend Motorcraft Bug and Tar Remover.

Stripes or Graphics (If Equipped)

Hand washing your vehicle is preferred however, pressure washing may be used under the following conditions:

- Do not use water pressure higher than 2,000 psi (14,000 kPa).
- Do not use water hotter than 179°F (82°C).
- Use a spray with a 40° wide spray angle pattern.
- Keep the nozzle at a 12 in (305 mm) distance and 90° angle to your vehicle's surface.

Note: *Holding the pressure washer nozzle at an angle to the vehicle's surface may damage graphics and cause the edges to peel away from the vehicle's surface.*

Underbody

Regularly clean the underside of your vehicle using water. Keep body and door drain holes free of debris or foreign material.

Under Hood

For removing black rubber marks from under the hood we recommend Motorcraft Wheel and Tire Cleaner or Motorcraft Bug and Tar Remover.

WAXING

Regular waxing is necessary to protect your car's paint from the elements. We recommend that you wash and wax the painted surface once or twice a year.

When washing and waxing, park your vehicle in a shaded area out of direct sunlight. Always wash your vehicle before applying wax.

- Use a quality wax that does not contain abrasives.
- Follow the manufacturer's instructions to apply and remove the wax.
- Apply a small amount of wax in a back-and-forth motion, not in circles.

Vehicle Care

- Do not allow wax to come in contact with any non-body (low-gloss black) colored trim. The wax will discolor or stain the parts over time.
 - Roof racks.
 - Bumpers.
 - Grained door handles.
 - Side moldings.
 - Mirror housings.
 - Windshield cowl area.
- Do not apply wax to glass areas.
- After waxing, your car's paint should feel smooth, and be free of streaks and smudges.

CLEANING THE ENGINE

Engines are more efficient when they are clean because grease and dirt buildup keep the engine warmer than normal.

When washing:

- Take care when using a power washer to clean the engine. The high-pressure fluid could penetrate the sealed parts and cause damage.
- Do not spray a hot engine with cold water to avoid cracking the engine block or other engine components.
- Spray Motorcraft Engine Shampoo and Degreaser on all parts that require cleaning and pressure rinse clean. In Canada, use Motorcraft Engine Shampoo.

Note: *If your vehicle has an engine cover remove the cover before application of Motorcraft Engine Shampoo and Degreaser. Immediately rinse away any over spray.*

- Never wash or rinse the engine while it is hot or running; water in the running engine may cause internal damage.
- Never wash or rinse any ignition coil, spark plug wire or spark plug well, or the area in and around these locations.
- Cover the battery, power distribution box, and air filter assembly to prevent water damage when cleaning the engine.

CLEANING THE WINDOWS AND WIPER BLADES

Car wash chemicals and environmental fallout can result in windshield and wiper blade contamination. Dirty windshield and wipers will result in poor windshield wiper operation. Keep the windshield and wiper blades clean to maintain windshield wiper performance.

To clean the windshield and wiper blades:

- Clean the windshield with a non-abrasive glass cleaner. When cleaning the interior of the windshield, avoid getting any glass cleaner on the instrument panel or door panels. Wipe any glass cleaner off these surfaces immediately.
- For windshields contaminated with tree sap, chemicals, wax or bugs, clean the entire windshield using steel wool (no greater than 0000 grade) in a circular motion and rinse with water.
- Clean the wiper blades with isopropyl rubbing alcohol or windshield washer concentrate.

Vehicle Care

Note: Do not use razor blades or other sharp objects to clean or remove decals from the inside of the heated rear window. The vehicle warranty does not cover damage caused to the heated rear window grid lines.

CLEANING THE INTERIOR



WARNING: Do not use cleaning solvents, bleach or dye on the vehicle's safety belts, as these actions may weaken the belt webbing.



WARNING: On vehicles equipped with seat-mounted airbags, do not use chemical solvents or strong detergents. Such products could contaminate the side airbag system and affect performance of the side airbag in a collision.

Note: Follow the same procedure for cleaning leather seats when cleaning leather interior. See **Cleaning Leather Seats** (page 325).

Note: Do not use household cleaning products or glass cleaners, which can stain and discolor the fabric and affect the flame retardant abilities of the seat materials.

For fabric, carpets, cloth seats, safety belts and seats equipped with side airbags:

- Remove dust and loose dirt with a vacuum cleaner.
- Remove light stains and soil with Motorcraft Professional Strength Carpet & Upholstery Cleaner.

For grease or tar stains:

- Spot clean the area with Motorcraft Spot and Stain Remover (Motorcraft Multi-Purpose Cleaner in Canada).
- If a ring forms on the fabric after spot cleaning, clean the entire area immediately (but do not oversaturate) or the ring will set.

Cleaning Alcantara Microfiber Cloth Fabric (If Equipped)

Note: Alcantara microfiber cloth fabric is made of polyester microfiber with micro-porous polyurethane. Using commercially available fabric cleaners can cause permanent damage.

Note: Do not use commercially available leather and vinyl cleaning products on Alcantara microfiber cloth fabric.

Note: Some vehicles may have Alcantara microfiber cloth fabric on the seats, headliner, floor mats and door panels.

Depending on the type of stain, use water, lemon juice or pure ethyl alcohol when cleaning. For cleaning Alcantara microfiber cloth, refer to the following chart:

Vehicle Care

Type of Stain	Cleaning Procedure
Fruit juice, jam, jelly, syrup or ketchup.	Use lukewarm water and rinse by dabbing with clean water.
Blood, egg, excrement or urine.	Use cold water and rinse by dabbing with clean water. Avoid warm water because it makes these substances coagulate.
Liquor, alcoholic beverages, wine, beer, cola and tea.	Use lukewarm water. If the color remains, treat with lemon juice and then rinse.
Indelible pencil, cocoa, chocolate, pastry with cream or chocolate, ice cream or mustard.	Use lukewarm water and rinse by dabbing with clean water.
Vinegar, hair gel, tomato sauce or coffee with sugar.	Use lemon juice, wipe with lukewarm water and rinse by dabbing with clean water.
Dye transfer and all other stains.	Use ethyl alcohol, then dab with water.

CLEANING THE INSTRUMENT PANEL AND INSTRUMENT CLUSTER LENS



WARNING: Do not use chemical solvents or strong detergents when cleaning the steering wheel or instrument panel to avoid contamination of the airbag system.

Note: Follow the same procedure as cleaning leather seats for cleaning leather instrument panels and leather interior trim surfaces. See **Cleaning Leather Seats** (page 325).

Clean the instrument panel and cluster lens with a clean, damp and soft cloth, then use a clean, dry and soft cloth to dry these areas.

- Avoid cleaners or polishes that increase the gloss of the upper portion of the instrument panel. The dull finish in this area helps protect you from undesirable windshield reflection.
 - Do not use any household cleaning products or glass cleaners as these may damage the finish of the instrument panel, interior trim and cluster lens.
 - Wash or wipe your hands clean if you have been in contact with certain products such as insect repellent and suntan lotion to avoid possible damage to the interior painted surfaces.
 - Do not allow air fresheners and hand sanitizers to spill onto interior surfaces. If a spill occurs, wipe off immediately. Your warranty may not cover these damages.
2. Use Motorcraft Premium Leather and Vinyl Cleaner or a commercially available leather cleaning product for automotive interiors. Test any cleaner or stain remover on an inconspicuous area.
 3. Alternatively, wipe the surface with a clean, soft cloth and a mild soap and water solution. Dry the area with a clean, soft cloth.
 4. If necessary, apply more soap and water solution or cleaning product to a clean, soft cloth and press it onto the soiled area. Allow this to set at room temperature for 30 minutes.
 5. Remove the soaked cloth, then with a clean, damp cloth, use a rubbing motion for 60 seconds on the soiled area.
 6. Dry the area with a clean, soft cloth.

If a staining liquid like coffee or juice has been spilled on the instrument panel or on interior trim surfaces:

1. Wipe up spilled liquid using a clean, soft cloth as quickly as possible.

Vehicle Care

CLEANING LEATHER SEATS (IF EQUIPPED)

Note: Follow the same procedure as cleaning leather seats for cleaning leather instrument panels and leather interior trim surfaces.

For routine cleaning, wipe the surface with a soft, damp cloth and a mild soap and water solution. Dry the area with a clean, soft cloth.

Note: Test any cleaner or stain remover on an inconspicuous area.

You should:

- Remove dust and loose dirt with a vacuum cleaner.
- Clean and treat spills and stains as soon as possible.

Do not use the following products as these may damage the leather:

- Oil and petroleum or silicone-based leather conditioners.
- Household cleaners.

- Alcohol solutions.
- Solvents or cleaners intended specifically for rubber, vinyl and plastics.

REPAIRING MINOR PAINT DAMAGE

Authorized dealers have touch-up paint to match your vehicle's color. Your vehicle color code is printed on a sticker on the front, left-hand side door jamb. Take your color code to your authorized dealer to make sure you get the correct color.

Before repairing minor paint damage, use a cleaner such as Motorcraft Bug and Tar Remover to remove particles such as bird droppings, tree sap, insect deposits, tar spots, road salt and industrial fallout.

Always read the instructions before using cleaning products.

CLEANING THE WHEELS

Note: Do not apply a cleaning chemical to warm or hot wheel rims and covers.

Note: Industrial-strength (heavy-duty) cleaners, or cleaning chemicals, in combination with brush agitation to remove brake dust and dirt, could wear away the clear coat finish over a period of time.

Note: Do not use hydrofluoric acid-based or high caustic-based wheel cleaners, steel wool, fuels or strong household detergent.

Note: If you intend to park your vehicle for an extended period after cleaning the wheels with a wheel cleaner, drive your vehicle for a few minutes before doing so. This reduces the risk of increased corrosion of the brake discs, brake pads and linings.

Note: Some automatic car washes could cause damage to the finish on your wheel rims and covers.

Vehicle Care

Alloy wheels and wheel covers are coated with a clear coat paint finish. To maintain their condition we recommend that you:

- Clean them weekly with the recommended wheel and tire cleaner.
- Use a sponge to remove heavy deposits of dirt and brake dust accumulation.
- Rinse them thoroughly with a pressurized stream of water when you complete the cleaning process.

We recommend that you use our surface wheel cleaner. Make sure that you read and follow the manufacturer's instructions.

Using other non-recommended cleaning products can result in severe and permanent damage.

VEHICLE STORAGE

If you plan on storing your vehicle for 30 days or more, read the following maintenance recommendations to make sure your vehicle stays in good operating condition.

We engineer and test all motor vehicles and their components for reliable, regular driving. Under various conditions, long-term storage may lead to degraded engine performance or failure unless you use specific precautions to preserve engine components.

General

- Store all vehicles in a dry, ventilated place.
- Protect from sunlight, if possible.
- If vehicles are stored outside, they require regular maintenance to protect against rust and damage.

Body

- Wash your vehicle thoroughly to remove dirt, grease, oil, tar or mud from exterior surfaces, rear-wheel housing and the underside of front fenders.
- Periodically wash your vehicle if it is stored in exposed locations.
- Touch-up exposed or primed metal to prevent rust.

- Cover chrome and stainless steel parts with a thick coat of auto wax to prevent discoloration. Re-wax as necessary when you wash your vehicle.
- Lubricate all hood, door and luggage compartment hinges and latches with a light grade oil.
- Cover interior trim to prevent fading.
- Keep all rubber parts free from oil and solvents.

Engine

- Change the engine oil and filter prior to storage because used engine oil contains contaminants which may cause engine damage.
- Start the engine every 15 days for a minimum of 15 minutes. Run at fast idle with the climate controls set to defrost until the engine reaches normal operating temperature.
- With your foot on the brake, shift through all the gears while the engine is running.
- We recommend that you change the engine oil before you use your vehicle again.

Vehicle Care

Fuel system

- Fill the fuel tank with high-quality fuel until the first automatic shutoff of the fuel pump nozzle.

Cooling system

- Protect against freezing temperatures.
- When removing your vehicle from storage, check coolant fluid level. Confirm that there are no cooling system leaks and that fluid is at the recommended level.

Disconnecting Your 12 Volt Battery

- Check and recharge as necessary. Keep connections clean.
- If storing your vehicle for more than 30 days without recharging the battery, we recommend that you disconnect the battery cables to maintain battery charge for quick starting.

Note: *It is necessary to reset memory features if you disconnect the battery cables.*

Plugging in Your HYBRID

We recommend the following options for your plug-in vehicle (PHEV) :

- Leave your vehicle plugged in. The 12 volt battery maintains power if left plugged in. However, this periodically uses electricity from the household outlet.
- Connect a battery charger to your 12 volt battery and leave it on a continuous, slow charge.
- Disconnect the 12 volt battery. If your 12 volt battery is located in the luggage compartment, do not fully shut the luggage compartment after disconnecting the 12 volt battery. Only leave the luggage compartment open if your vehicle is stored in a locked location.

Brakes

- Make sure the brakes and parking brake release fully.

Tires

- Maintain recommended air pressure.

Miscellaneous

- Make sure all linkages, cables, levers and pins under your vehicle are covered with grease to prevent rust.
- Move vehicles at least 25 ft (7.5 m) every 15 days to lubricate working parts and prevent corrosion.

Removing Vehicle From Storage

When your vehicle is ready to come out of storage, do the following:

- Wash your vehicle to remove any dirt or grease film build-up on window surfaces.
- Check windshield wipers for any deterioration.
- Check under the hood for any foreign material that may have collected during storage such as mice or squirrel nests.
- Check the exhaust for any foreign material that may have collected during storage.

Vehicle Care

- Check tire pressures and set tire inflation per the Tire Label.
- Check brake pedal operation. Drive your vehicle 15 ft (4.5 m) back and forth to remove rust build-up.
- Check fluid levels (including coolant, oil and gas) to make sure there are no leaks, and fluids are at recommended levels.
- If you remove the battery, clean the battery cable ends and check for damage.

Contact an authorized dealer if you have any concerns or issues.

BODY STYLING KITS

The distance between the underside of your vehicle and the ground is less than that of other models. Drive with extreme care to avoid damage to your vehicle.

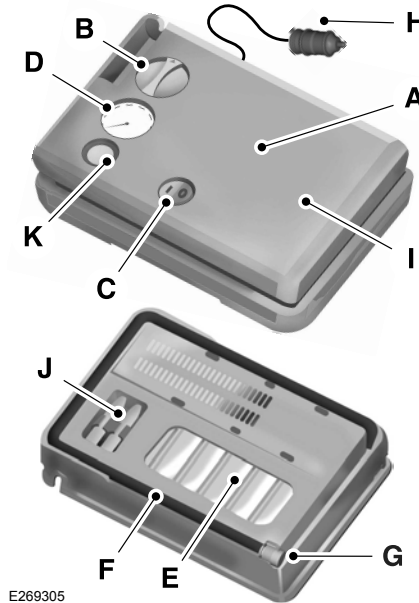
Wheels and Tires

TIRE SEALANT AND INFLATOR KIT

Note: The temporary mobility kit (TMK) contains enough sealant compound for one tire repair. See your authorized dealer for replacement sealant bottles after the TMK is used. Only use the kit supplied with your vehicle.

Note: The kit may be used as an air compressor for tire inflation maintenance by turning the selector switch to the Air position.

Your TMK is located under the load floor in the trunk. The TMK consists of an air compressor to re-inflate the tire with a bottle of sealing compound that seals punctures caused by most nails or similar objects. This kit provides a temporary tire repair allowing you to drive your vehicle up to 120 mi (200 km) at a maximum speed of 50 mph (80 km/h) to reach a tire service location.



E269305

- A Air compressor (inside)
- B Selector switch
- C On and off button

- D Air pressure gauge
- E Sealant bottle
- F Dual purpose hose: air and repair
- G Tire valve connector
- H Accessory power plug
- I Casing/housing
- J Bike/raft/sports ball adapters
- K Pressure release valve

General Information



WARNING: Failure to follow these guidelines could result in an increased risk of loss of vehicle control, injury or death.

Note: Do not use the kit if a tire has become severely damaged. Only punctures located within the tire tread can be sealed with the kit.

Do not attempt to repair punctures larger than ¼ inch (6 millimeters) or damage to the tire's sidewall. The tire may not seal.

Wheels and Tires

Loss of air pressure may adversely affect tire performance. For this reason:

Note: Do not drive the vehicle above 50 mph (80 km/h).

Note: Do not drive further than 120 mi (200 km). Drive only to the closest authorized Lincoln dealer or tire repair shop to have your tire inspected.

- Drive carefully and avoid abrupt steering maneuvers.
- Periodically monitor tire inflation pressure in the affected tire; if the tire is losing pressure, have the vehicle towed.
- Read the information in the Tips for Use of the Kit section to make sure safe operation of the kit and your vehicle.

Tips for Use of your TMK

To ensure safe operation of the TMK:

- Read all instructions and cautions fully.
- Do not remove any foreign objects, such as nails or screws, from the tire.

- Before operating the kit, make sure your vehicle is safely off the road and away from moving traffic. Turn on the hazard lights.
- Always set the parking brake to ensure the vehicle doesn't move unexpectedly.
- When using the kit, leave the engine running (only if the vehicle is outdoors or in a well-ventilated area) so the compressor does not drain the vehicle's battery.
- Do not allow the compressor to operate continuously for more than 15 minutes. This helps prevent the compressor from overheating.
- Never leave the kit unattended during operation.
- Sealant compound contains latex. Those with latex sensitivities should use appropriate precautions to avoid an allergic reaction.
- Keep the kit away from children.
- Only use the kit when the ambient temperature is between -22°F (-30°C) and 158°F (70°C).
- Only use the sealing compound before the use-by date. The use-by date is on a label on the sealant bottle and can be seen through the rectangular viewing window on the bottom of the compressor housing. Check the use-by date regularly and replace the bottle when the fluid has expired.
- Do not store the kit unsecured inside the passenger compartment of the vehicle as it may cause injury during a sudden stop or crash. Always store the kit in its original location.
- After sealant use, the tire pressure monitoring system sensor and valve stem on the wheel must be replaced by an authorized Lincoln dealer.
- Operating the kit could cause an electrical disturbance in radio, CD, and DVD player operation.



* When inflation only is required for a tire or other objects, the selector must be in the Air position.

Wheels and Tires

What to do when a Tire Is Punctured

A tire puncture within the tire's tread area can be repaired in two stages with the kit:

- In the first stage, the tire is reinflated with a sealing compound and air. After the tire has been inflated, you need to drive the vehicle about 3.7 mi (6 km) to distribute the sealant in the tire.
- In the second stage, you need to check the tire pressure and adjust, if necessary, to the vehicle's specified tire inflation pressure.

First Stage: Reinflating the Tire with Sealing Compound and Air

WARNING: Do not stand directly beside the tire while the compressor is operating. This could cause personal injury if the tire bursts.

Note: If the tire does not inflate to the recommended tire pressure within 15 minutes, stop and call roadside assistance.

WARNING: Watch the sidewall of the tire when inflating. If any cracks, bumps or similar damage appears, switch the compressor off and let the air out by means of the pressure relief valve. Do not continue driving with this tire. This could cause loss of vehicle control.

WARNING: Do not run the engine when operating the air compressor unless the vehicle is outdoors or in a well-ventilated area.

Preparation: Park the vehicle in a safe, level and secure area, away from moving traffic.

Turn the hazard lights on. Apply the parking brake and turn the engine off. Inspect the flat tire for visible damage.

Sealant compound contains latex. Use appropriate precautions to avoid any allergic reactions.

Do not remove any foreign object that has pierced the tire. If a puncture is located in the tire sidewall, stop and call roadside assistance.

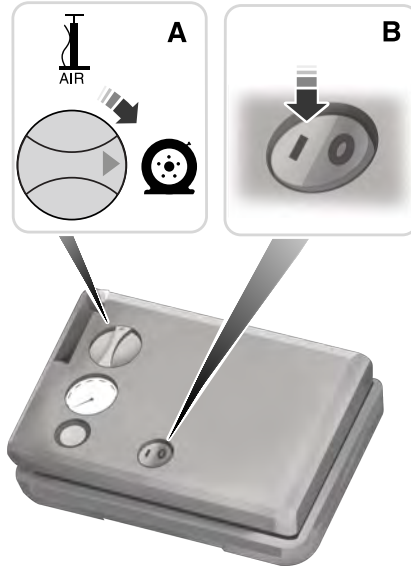
1. Remove the valve cap from the tire valve.
2. Unwrap the dual purpose hose (black tube) from the back of the compressor housing.
3. Fasten the hose to the tire valve by turning the connector clockwise. Tighten the connection securely.



E252191

Wheels and Tires

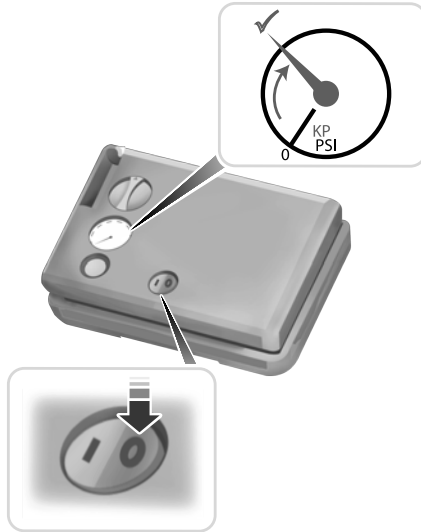
4. Plug the power cable into the 12-volt power point in the vehicle.
5. Remove the warning sticker found on the casing/housing and place it on the center of the steering wheel.
6. Start the vehicle and leave the engine running so the compressor does not drain the vehicle's battery.



7. Turn dial (A) clockwise to the sealant position. Turn the kit on by pressing the on/off button (B).

8. Inflate the tire to the pressure shown on the tire label located on the edge of driver door or the door jamb area. For the first 45-60 seconds when the sealant is being pumped into the tire, the air pressure gauge may indicate a pressure higher than the label pressure. **This is normal and should be no reason for concern.** The pressure gauge reading indicates the tire inflation pressure after about 60 seconds of operation during the tire repair process. The final tire pressure should be checked with the compressor turned OFF in order to get an accurate pressure reading.

Wheels and Tires



9. When the recommended tire pressure is reached, turn off the kit, unplug the power cable, and disconnect the hose from the tire valve. Re-install the valve cap on the tire valve and return the kit to the stowage area.
10. Immediately and cautiously, drive the vehicle 3.7 mi (6 km) to distribute the sealant evenly inside the tire. Do not exceed 50 mph (80 km/h).
11. After 3.7 mi (6 km), stop and check the tire pressure. See Second stage: Checking tire pressure.



WARNING: If you experience any unusual vibration, ride disturbance or noise while driving, reduce your speed until you can safely pull off to the side of the road and call for roadside assistance. Failure to do so could cause you to lose control of your vehicle and increase the risk of personal injury or death.

Note: If you experience any unusual vibration, ride disturbance or noise when driving, do not proceed to the second stage of this operation.

Second Stage: Checking Tire Pressure

Check the air pressure of your tires as follows:



1. Remove the valve cap from the tire valve.
2. Firmly screw the air compressor hose onto the valve stem by turning clockwise.
3. Push and turn the TMK selector switch clockwise to the air position and note the tire pressure.

Wheels and Tires

Note: If you are proceeding from the First Stage: Reinflating the Tire with Sealing Compound and Air section and have injected sealant in the tire but the pressure is below 20 psi (1.4 bar), stop and call roadside assistance. If tire pressure is above 20 psi (1.4 bar), continue to the next step.

4. If required, turn on the compressor and adjust the tire to the recommended inflation pressure shown on the tire label located on the driver's door or door jamb area. The tire pressure should be checked with the compressor turned OFF in order to get an accurate pressure reading.
5. Remove the hoses, re-install the valve cap on the tire and return the kit to the stowage area.



WARNING: The air compressor power plug may be hot after use. Allow it to cool before handling. Failure to do so could result in personal injury.

What to do after the Tire has been Sealed



WARNING: If you experience any unusual vibration, ride disturbance or noise while driving, reduce your speed until you can safely pull off to the side of the road and call for roadside assistance. Failure to do so could cause you to lose control of your vehicle and increase the risk of personal injury or death.

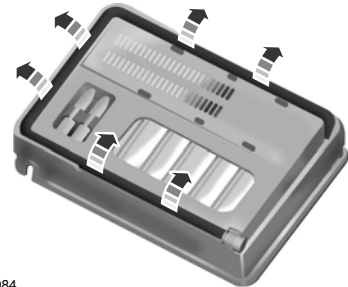
Note: After the sealing compound has been used, the maximum vehicle speed is 50 mph (80 km/h) and the maximum driving distance is 120 mi (200 km). The sealed tire should be inspected immediately.

You can check the tire pressure any time within the 120 mi (200 km) by performing the steps listed previously in the Second stage: Checking Tire Pressure procedure.

Servicing your TMK after use

After using the kit to seal your tire, you need to replace the sealant bottle. Sealant bottle replacement kits can be obtained at an authorized dealer. Empty sealant bottles may be disposed of at home. However, bottles still containing liquid sealant should be disposed of by your local authorized dealer or tire dealer, or in accordance with local waste disposal regulation.

Removal of the sealant bottle from the kit



E175984

1. Unwrap the dual purpose hose (black tube) from the compressor housing.

Wheels and Tires



E175985

2. Unwrap the power cord.



E175986

3. Remove the back cover.



E175987

4. Rotate the sealant bottle up 90 degrees and pull away from casing/housing to remove.

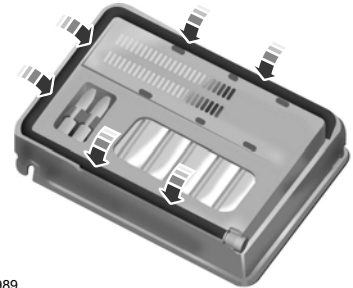
Installation of the sealant bottle to the kit

1. With the bottle held perpendicular to the housing, insert the bottle nozzle into the connector and push until seated.
2. Rotate the bottle 90 degrees down into the housing/casing.



E175988

3. Snap the back cover back into place.



E175989

4. Wrap the dual purpose hose (black tube) around the channel on the bottom of the housing/casing.

Wheels and Tires



E175990

5. Wrap the power cord around the housing and stow the accessory power plug into its storage area.

Note: *If you experience any difficulties with the removal or installation of the sealant bottle, consult your authorized dealer for assistance.*

Check and record the sealant compound's use by date and make sure that it is replaced with a fresh bottle after this date. The use by date is on a label located on the sealant bottle and can be seen through the rectangular viewing window on the bottom of the TMK housing.

TIRE CARE

Information About Uniform Tire Quality Grading



E142542

Tire Quality Grades apply to new pneumatic passenger car tires. The Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width. For example: **Treadwear 200 Traction AA Temperature A.**

These Tire Quality Grades are determined by standards that the United States Department of Transportation has set.

Tire Quality Grades apply to new pneumatic passenger car tires. They do not apply to deep tread, winter-type snow tires, space-saver or temporary use spare tires, light truck or LT type tires, tires with nominal rim diameters of 10 to 12 inches or limited production tires as defined in Title 49 Code of Federal Regulations Part 575.104 ©)(2).

U.S. Department of Transportation Tire quality grades: The U.S. Department of Transportation requires Lincoln Motor Company to give you the following information about tire grades exactly as the government has written it.

Wheels and Tires

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 ½) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices, and differences in road characteristics and climate.

Traction AA A B C



WARNING: The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning or peak traction characteristics.

The traction grades, from highest to lowest are AA, A, B, and C. The grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

Temperature A B C



WARNING: The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

The temperature grades are A, the highest, B and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause

the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 139. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Glossary of Tire Terminology

- **Tire label:** A label showing the original equipment tire sizes, recommended inflation pressure and the maximum weight the vehicle can carry.
- **Tire Identification Number:** A number on the sidewall of each tire providing information about the tire brand and manufacturing plant, tire size and date of manufacture. Also referred to as DOT code.
- **Inflation pressure:** A measure of the amount of air in a tire.

Wheels and Tires

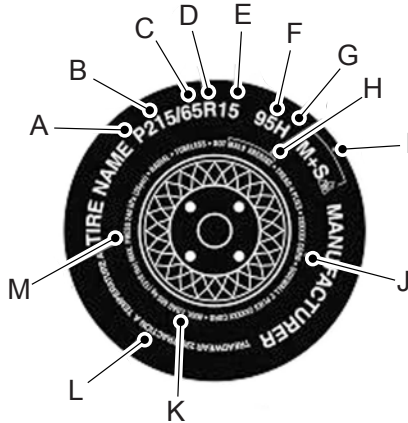
- **Standard load:** A class of P-metric or Metric tires designed to carry a maximum load at set pressure. For example: For P-metric tires 35 psi (2.4 bar) and for Metric tires 36 psi (2.5 bar). Increasing the inflation pressure beyond this pressure will not increase the tire's load carrying capability.
- **Extra load:** A class of P-metric or Metric tires designed to carry a heavier maximum load at 42 psi (2.9 bar). Increasing the inflation pressure beyond this pressure will not increase the tire's load carrying capability.
- **kPa:** Kilopascal, a metric unit of air pressure.
- **PSI:** Pounds per square inch, a standard unit of air pressure.
- **Cold inflation pressure:** The tire pressure when the vehicle has been stationary and out of direct sunlight for an hour or more and prior to the vehicle being driven for 1.0 mi (1.6 km).
- **Recommended inflation pressure:** The cold inflation pressure found on the Safety Compliance Certification Label, affixed to either the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver's seating position, or Tire Label located on the B-Pillar or the edge of the driver's door.
- **B-pillar:** The structural member at the side of the vehicle behind the front door.
- **Bead area of the tire:** Area of the tire next to the rim.
- **Sidewall of the tire:** Area between the bead area and the tread.
- **Tread area of the tire:** Area of the perimeter of the tire that contacts the road when mounted on the vehicle.
- **Rim:** The metal support, wheel, for a tire or a tire and tube assembly upon which the tire beads are seated.

Information Contained on the Tire Sidewall

Both U.S. and Canada Federal regulations require tire manufacturers to place standardized information on the sidewall of all tires. This information identifies and describes the fundamental characteristics of the tire and also provides a U.S. DOT Tire Identification Number for safety standard certification and in case of a recall.

Wheels and Tires

Information on P Type Tires



E142543

P215/65R15 95H is an example of a tire size, load index and speed rating. The definitions of these items are listed below. Note that the tire size, load index and speed rating for your vehicle may be different from this example.

A. **P:** Indicates a tire, designated by the Tire and Rim Association, that may be used for service on cars, sport utility vehicles, minivans and light trucks. **Note:** If your tire size does not begin with a letter this may mean it is designated by either the European Tire and Rim Technical Organization or the Japan Tire Manufacturing Association.

B. **215:** Indicates the nominal width of the tire in millimeters from sidewall edge to sidewall edge. In general, the larger the number, the wider the tire.

C. **65:** Indicates the aspect ratio which gives the tire's ratio of height to width.

D. **R:** Indicates a radial type tire.

E. **15:** Indicates the wheel or rim diameter in inches. If you change your wheel size, you will have to purchase new tires to match the new wheel diameter.

F. **95:** Indicates the tire's load index. It is an index that relates to how much weight a tire can carry. You may find this information in your owner's manual. If not, contact a local tire dealer.

Note: You may not find this information on all tires because it is not required by federal law.

G. **H:** Indicates the tire's speed rating. The speed rating denotes the speed at which a tire is designed to be driven for extended periods of time under a standard condition of load and inflation pressure. The tires on your vehicle may operate at different conditions for load and inflation pressure. These speed ratings may need to be adjusted for the difference in conditions. The ratings range from 81–186 mph (130–299 km/h). These ratings are listed in the following chart.

Note: You may not find this information on all tires because it is not required by federal law.

Wheels and Tires

Letter rating	Speed rating
M	81 mph (130 km/h)
N	87 mph (140 km/h)
Q	99 mph (159 km/h)
R	106 mph (171 km/h)
S	112 mph (180 km/h)
T	118 mph (190 km/h)
U	124 mph (200 km/h)
H	130 mph (210 km/h)
V	149 mph (240 km/h)

Letter rating	Speed rating
W	168 mph (270 km/h)
Y	186 mph (299 km/h)

Note: For tires with a maximum speed capability over 149 mph (240 km/h), tire manufacturers sometimes use the letters ZR. For those with a maximum speed capability over 186 mph (299 km/h), tire manufacturers always use the letters ZR.

H. U.S. DOT Tire Identification Number: This begins with the letters DOT and indicates that the tire meets all federal standards. The next two numbers or letters are the plant code designating where it was manufactured, the next two are the tire size code and the last four numbers represent the week and year the tire was built. For example, the numbers 317 mean the 31st week of 1997. After 2000 the numbers go to four

digits. For example, 2501 means the 25th week of 2001. The numbers in between are identification codes used for traceability. This information is used to contact customers if a tire defect requires a recall.

I. **M+S or M/S:** Mud and Snow, or

AT: All Terrain, or

AS: All Season.

J. Tire Ply Composition and Material Used: Indicates the number of plies or the number of layers of rubber-coated fabric in the tire tread and sidewall. Tire manufacturers also must indicate the ply materials in the tire and the sidewall, which include steel, nylon, polyester, and others.

Wheels and Tires

K. Maximum Load: Indicates the maximum load in kilograms and pounds that can be carried by the tire. Refer to the Safety Compliance Certification Label, affixed to either the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver's seating position, for the correct tire pressure for your vehicle.

L. Treadwear, Traction and Temperature Grades:

- **Treadwear:** The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half times as well on the government course as a tire graded 100.
- **Traction:** The traction grades, from highest to lowest are AA, A, B, and C. The grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.
- **Temperature:** The temperature grades are A, the highest, B and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

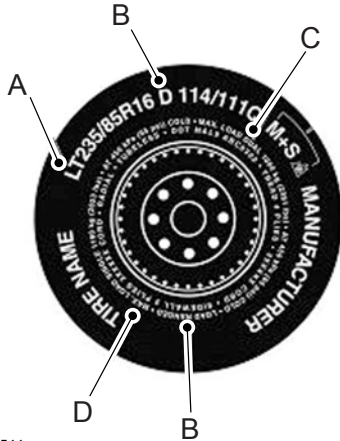
M. Maximum Permissible Inflation Pressure: Indicates the tire manufacturers' maximum permissible pressure or the pressure at which the maximum load can be carried by the tire. This pressure is normally higher than the vehicle manufacturer's recommended cold inflation pressure which can be found on the Safety Compliance Certification Label, affixed to either the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver's seating position, or Tire Label which is located on the B-Pillar or the edge of the driver's door. The cold inflation pressure should never be set lower than the recommended pressure on the vehicle label.

The tire suppliers may have additional markings, notes or warnings such as standard load, radial tubeless, etc.

Additional Information Contained on the Tire Sidewall for LT Type Tires

Note: *Tire Quality Grades do not apply to this type of tire.*

Wheels and Tires



E142544

LT type tires have some additional information beyond those of P type tires; these differences are described below.

A. LT: Indicates a tire, designated by the Tire and Rim Association, that is intended for service on light trucks.

B. Load Range and Load Inflation

Limits: Indicates the tire's load-carrying capabilities and its inflation limits.

C. Maximum Load Dual lb (kg) at psi (kPa) cold: Indicates the maximum load and tire pressure when the tire is used as a dual; defined as four tires on the rear axle, a total of six or more tires on the vehicle.

D. Maximum Load Single lb (kg) at psi (kPa) cold: Indicates the maximum load and tire pressure when the tire is used as a single; defined as two tires, total on the rear axle.

Information on T Type Tires

T145/80D16 is an example of a tire size.

Note: *The temporary tire size for your vehicle may be different from this example. Tire Quality Grades do not apply to this type of tire.*



E142545

T type tires have some additional information beyond those of P type tires; these differences are described below:

Wheels and Tires

A. T: Indicates a type of tire, designated by the Tire and Rim Association, that is intended for temporary service on cars, sport utility vehicles, minivans and light trucks.

B. 145: Indicates the nominal width of the tire in millimeters from sidewall edge to sidewall edge. In general, the larger the number, the wider the tire.

C. 80: Indicates the aspect ratio which gives the tire's ratio of height to width. Numbers of 70 or lower indicate a short sidewall.

D. D: Indicates a diagonal type tire.

R: Indicates a radial type tire.

E. 16: Indicates the wheel or rim diameter in inches. If you change your wheel size, you will have to purchase new tires to match the new wheel diameter.

Location of the Tire Label

You will find a Tire Label containing tire inflation pressure by tire size and other important information located on the B-Pillar or the edge of the driver's door.

Inflating Your Tires

Safe operation of your vehicle requires that your tires are properly inflated. Remember that a tire can lose up to half of its air pressure without appearing flat.

Every day before you drive, check your tires. If one looks lower than the others, use a tire gauge to check pressure of all tires and adjust if required.

At least once a month and before long trips, inspect each tire and check the tire pressure with a tire gauge, including spare, if equipped. Inflate all tires to the inflation pressure recommended by Lincoln Motor Company.

You are strongly urged to buy a reliable tire pressure gauge, as automatic service station gauges may be inaccurate. Lincoln recommends the use of a digital or dial-type tire pressure gauge rather than a stick-type tire pressure gauge.

Use the recommended cold inflation pressure for optimum tire performance and wear. Under-inflation or over-inflation may cause uneven treadwear patterns.



WARNING: Under-inflation is the most common cause of tire failures and may result in severe tire cracking, tread separation or blowout, with unexpected loss of vehicle control and increased risk of injury. Under-inflation increases sidewall flexing and rolling resistance, resulting in heat buildup

Wheels and Tires

and internal damage to the tire. It also may result in unnecessary tire stress, irregular wear, loss of vehicle control and accidents. A tire can lose up to half of its air pressure and not appear to be flat!

Always inflate your tires to the Lincoln recommended inflation pressure even if it is less than the maximum inflation pressure information found on the tire. The Lincoln recommended tire inflation pressure is found on the Safety Compliance Certification Label, affixed to either the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver's seating position, or Tire Label which is located on the B-Pillar or the edge of the driver's door. Failure to follow the tire pressure recommendations can cause uneven treadwear patterns and adversely affect the way your vehicle handles.

Maximum Permissible Inflation

Pressure is the tire manufacturer's maximum permissible pressure and the pressure at which the maximum load can be carried by the tire. This pressure is normally higher than the manufacturer's recommended cold inflation pressure which can be found on the Safety Compliance Certification Label, affixed to either the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver's seating position, or Tire Label which is located on the B-Pillar or the edge of the driver's door. The cold inflation pressure should never be set lower than the recommended pressure on the Safety Compliance Certification Label or Tire Label.

When weather temperature changes occur, tire inflation pressures also change. A 10°F (6°C) temperature drop can cause a corresponding drop of 1 psi (7 kPa) in inflation pressure. Check your tire pressures frequently and adjust them to the proper pressure which can be found on the Safety Compliance Certification Label or Tire Label.

To check the pressure in your tires:

1. Make sure the tires are cool, meaning they are not hot from driving even a mile.

Note: *If you are checking tire pressure when the tire is hot, for example driven more than 1.0 mi (1.6 km), never bleed or reduce air pressure. The tires are hot from driving and it is normal for pressures to increase above recommended cold pressures. A hot tire at or below recommended cold inflation pressure could be significantly under-inflated.*

Wheels and Tires

Note: *If you have to drive a distance to get air for your tires, check and record the tire pressure first and add the appropriate air pressure when you get to the pump. It is normal for tires to heat up and the air pressure inside to go up as you drive.*

2. Remove the cap from the valve on one tire, then firmly press the tire gauge onto the valve and measure the pressure.
3. Add enough air to reach the recommended air pressure.

Note: *If you overfill the tire, release air by pressing on the metal stem in the center of the valve. Then recheck the pressure with your tire gauge.*

4. Replace the valve cap.
5. Repeat this procedure for each tire, including the spare.

Note: *Some spare tires operate at a higher inflation pressure than the other tires. For T type mini-spare tires, refer to the Dissimilar spare wheel and tire assembly information for a description: Store and maintain at 60 psi (4.15 bar). For full-size and dissimilar spare tires, refer to the Dissimilar spare wheel and tire assembly information for a description: Store and maintain at the higher of the front and rear inflation pressure as shown on the Tire Label.*

6. Visually inspect the tires to make sure there are no nails or other objects embedded that could poke a hole in the tire and cause an air leak.
7. Check the sidewalls to make sure there are no gouges, cuts or bulges.

Inspecting Your Tires and Wheel Valve Stems

Periodically inspect the tire treads for uneven or excessive wear and remove objects such as stones, nails or glass that may be wedged in the tread grooves. Check the tire and valve stems for holes, cracks, or cuts that may permit air leakage and repair or replace the tire and replace the valve stem. Inspect the tire sidewalls for cracking, cuts, bruises and other signs of damage or excessive wear. If internal damage to the tire is suspected, have the tire demounted and inspected in case it needs to be repaired or replaced. For your safety, tires that are damaged or show signs of excessive wear should not be used because they are more likely to blow out or fail.

Improper or inadequate vehicle maintenance can cause tires to wear abnormally. Inspect all your tires, including the spare, frequently, and replace them if one or more of the following conditions exist:

Wheels and Tires

Tire Wear



E142546

When the tread is worn down to one sixteenth of an inch (2 mm), tires must be replaced to help prevent your vehicle from skidding and hydroplaning. Built-in treadwear indicators, or wear bars, which look like narrow strips of smooth rubber across the tread will appear on the tire when the tread is worn down to one sixteenth of an inch (2 mm).

When the tire tread wears down to the same height as these wear bars, the tire is worn out and must be replaced.

Damage

Periodically inspect the tire treads and sidewalls for damage, such as bulges in the tread or sidewalls, cracks in the tread groove and separation in the tread or sidewall. If damage is observed or suspected have the tire inspected by a tire professional. Tires can be damaged during off-road use, so inspection after off-road use is also recommended.

Age



WARNING: Tires degrade over time depending on many factors such as weather, storage conditions, and conditions of use (load, speed, inflation pressure) the tires experience throughout their lives.

In general, tires should be replaced after six years regardless of tread wear. However, heat caused by hot climates or frequent high loading conditions can accelerate the aging process and may require tires to be replaced more frequently. You should replace your spare tire when you replace the road tires or after six years due to aging even if it has not been used.

U.S. DOT Tire Identification Number

Both U.S. and Canada Federal regulations require tire manufacturers to place standardized information on the sidewall of all tires. This information identifies and describes the fundamental characteristics of the tire and also provides a U.S. DOT Tire Identification Number for safety standard certification and in case of a recall.

Wheels and Tires

This begins with the letters DOT and indicates that the tire meets all federal standards. The next two numbers or letters are the plant code designating where it was manufactured, the next two are the tire size code and the last four numbers represent the week and year the tire was built. For example, the numbers 317 mean the 31st week of 1997. After 2000 the numbers go to four digits. For example, 2501 means the 25th week of 2001. The numbers in between are identification codes used for traceability. This information is used to contact customers if a tire defect requires a recall.

Tire Replacement Requirements

Your vehicle is equipped with tires designed to provide a safe ride and handling capability.



WARNING: Only use replacement tires and wheels that are the same size, load index, speed rating and type (such as P-metric versus LT-metric or all-season versus all-terrain) as those originally provided by Ford. The recommended tire and wheel size may be found on either the Safety Compliance Certification Label (affixed to either the door hinge pillar, door-latch post, or the door edge that meets the door-latch post, next to the driver's seating position), or the Tire Label which is located on the B-Pillar or edge of the driver's door. If this information is not found on these labels, then you should contact your authorized dealer as soon as possible. Use of any tire or wheel not recommended by Ford can affect the safety and performance of your vehicle, which could result in an increased risk of loss of vehicle control, vehicle rollover, personal injury and death.



WARNING: To reduce the risk of serious injury, when mounting replacement tires and wheels, you should not exceed the maximum pressure indicated on the sidewall of the tire to set the beads without additional precautions listed below. If the beads do not seat at the maximum pressure indicated, re-lubricate and try again.



WARNING: For a mounting pressure more than 20 psi (1.38 bar) greater than the maximum pressure, a Ford dealer or other tire service professional should do the mounting.



WARNING: Always inflate steel carcass tires with a remote air fill with the person inflating standing at a minimum of 12 ft (3.66 m) away from the wheel and tire assembly.

Wheels and Tires



WARNING: When inflating the tire for mounting pressures up to 20 psi (1.38 bar) greater than the maximum pressure on the tire sidewall, the following precautions must be taken to protect the person mounting the tire:

- Make sure that you have the correct tire and wheel size.
- Lubricate the tire bead and wheel bead seat area again.
- Stand at a minimum of 12 ft (3.66 m) away from the wheel and tire assembly.
- Use both eye and ear protection.

Important: Remember to replace the wheel valve stems when the road tires are replaced on your vehicle

It is recommended that the two front tires or two rear tires generally be replaced as a pair.

The tire pressure sensors mounted in the wheels, originally installed on your vehicle, are not designed to be used in aftermarket wheels.

The use of wheels or tires not recommended by Lincoln Motor Company may affect the operation of your tire pressure monitoring system.

If the TPMS indicator is flashing, your TPMS is malfunctioning. Your replacement tire might be incompatible with your TPMS, or some component of the TPMS may be damaged.

Safety Practices



WARNING: If your vehicle is stuck in snow, mud or sand, do not rapidly spin the tires; spinning the tires can tear the tire and cause an explosion. A tire can explode in as little as three to five seconds.



WARNING: Do not spin the wheels at over 34 mph (55 km/h). The tires may fail and injure a passenger or bystander.

Driving habits have a great deal to do with your tire mileage and safety.

- Observe posted speed limits.
- Avoid fast starts, stops and turns.
- Avoid potholes and objects on the road.
- Do not run over curbs or hit the tire against a curb when parking.

Highway Hazards

No matter how carefully you drive there's always the possibility that you may eventually have a flat tire on the highway. Drive slowly to the closest safe area out of traffic. This may further damage the flat tire, but your safety is more important.

Wheels and Tires

If you feel a sudden vibration or ride disturbance while driving, or you suspect your tire or vehicle has been damaged, immediately reduce your speed. Drive with caution until you can safely pull off the road. Stop and inspect the tires for damage. If you cannot detect a cause, have the vehicle towed to the nearest repair facility or tire dealer to have the vehicle inspected.

Tire and Wheel Alignment

A bad jolt from hitting a curb or pothole can cause the front end of your vehicle to become misaligned or cause damage to your tires. If your vehicle seems to pull to one side when you're driving, the wheels may be out of alignment. Have an authorized dealer check the wheel alignment periodically.

Wheel misalignment in the front or the rear can cause uneven and rapid treadwear of your tires and should be corrected by an authorized dealer. Front-wheel drive vehicles and those with an optional independent rear suspension may require alignment of all four wheels.

You should balance the tires periodically. An unbalanced tire and wheel assembly may result in irregular tire wear.

Tire Rotation

Note: *If your tires show uneven wear ask an authorized dealer to check for and correct any wheel misalignment, tire imbalance or mechanical problem involved before tire rotation.*

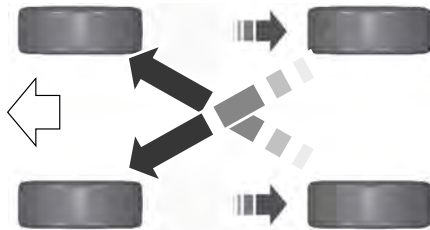
Note: *Your vehicle may be equipped with a dissimilar spare wheel and tire assembly. A dissimilar spare wheel and tire assembly is defined as a spare wheel and tire assembly that is different in brand, size or appearance from the road tires and wheels. If you have a dissimilar spare wheel and tire assembly it is intended for temporary use only and should not be used in a tire rotation.*

Note: *After having your tires rotated, inflation pressure must be checked and adjusted to the vehicle requirements.*

Rotating your tires at the recommended interval will help your tires wear more evenly, providing better tire performance and longer tire life. See your Scheduled Maintenance information.

Front-wheel drive or all-wheel drive vehicles, front tires on the left side of the diagram.

Wheels and Tires



E142547

All vehicles with directional tires, front tires on the left side of the diagram.



E147237

Sometimes irregular tire wear can be corrected by rotating the tires.

USING SUMMER TIRES

Summer tires provide superior performance on wet and dry roads. Summer tires do not have the Mud and Snow (M+S or M/S) tire traction rating on the tire side wall. Since summer tires do not have the same traction performance as All-season or Snow tires, we do not recommend using summer tires when temperatures drop to approximately 45°F (7°C) or below (depending on tire wear and environmental conditions) or in snow and ice conditions. Like any tire, summer tire performance is affected by tire wear and environmental conditions. If you must drive in those conditions, we recommend using Mud and Snow (M+S, M/S), All-season or Snow tires.

Always store your summer tires indoors at temperatures above 19°F (-7°C). The rubber compounds used in these tires lose flexibility and may develop surface cracks in the tread area at temperatures below 19°F (-7°C). If the tires have been subjected to 19°F (-7°C) or less, warm them in a heated space to at least 41°F (5°C) for at least 24 hours before installing them on a vehicle, or moving the

vehicle with the tires installed, or checking tire inflation. Do not place tires near heaters or heating devices used to warm the room where the tires are stored. Do not apply heat or blow heated air directly on the tires. Always inspect the tires after storage periods and before use.

USING SNOW CHAINS



WARNING: If you choose to install snow tires on your vehicle, they must be the same size, construction, and load range as the original tires listed on the tire placard, and they must be installed on all four wheels. Mixing tires of different size or construction on your vehicle can adversely affect your vehicle's handling and braking, and may lead to loss of vehicle control.

Wheels and Tires



WARNING: The use of non-recommended tires and wheels could cause steering, suspension, axle, transfer case or power transfer unit failure. If you have questions regarding tire replacement, contact your authorized dealer as soon as possible.

The tires on your vehicle may have all-weather treads to provide traction in rain and snow. However, in some climates you may need to use snow chains.

Your vehicle may not be compatible with snow chain or cable usage with the factory-fitted wheels and tires. Only certain chains or snow cables have been approved by Lincoln as safe for use on your vehicle with the following tire size: 225/55R17. You should only install chains or cables sized at 10 mm or less in dimension as measured on the sidewall of your tire. Not all S-class snow chains meet these restrictions. Chains of this size restriction will include a tensioning

device. The chains should be mounted in pairs on the front tires only. If you need to use chains, it is recommended that steel wheels (of the same size and specification) be used, as chains may chip aluminum wheels.

Follow these guidelines when using traction devices:

- If possible, avoid fully loading your vehicle
- Purchase chains or cables from a manufacturer that clearly labels body to tire dimension restrictions.
- When driving with snow chains or cables, do not exceed 30 mph (48 km/h) or the maximum speed recommended by the chain manufacturer; whichever is less.
- Drive cautiously. If you hear the chains or cables rub or bang against the vehicle, stop and retighten them. If this does not work, remove the chains or cables and prevent vehicle damage.

- Remove the chains or cables when they are no longer needed. Do not use the chains or cables on dry roads.
- If a temporary spare tire is mounted on your vehicle, do not use snow chains on the axle with the temporary spare tire.

If you have any questions regarding snow tires or snow chains, please contact your authorized dealer.

TIRE PRESSURE MONITORING SYSTEM



WARNING: The tire pressure monitoring system is not a substitute for manually checking tire pressures. You should periodically check tire pressures using a pressure gauge. Failure to correctly maintain tire pressures could increase the risk of tire failure, loss of control, vehicle rollover and personal injury.

Wheels and Tires

Note: *You should only use tire sealants in roadside emergencies as they could cause damage to the tire pressure monitoring system sensor.*

Note: *If the tire pressure monitoring system sensor becomes damaged, it will not function.*



Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires).

As an added safety feature, your vehicle has been equipped with a Tire Pressure Monitoring System (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and

inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and could affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists.

When the malfunction indicator is illuminated, the system will not be able to detect or signal low tire pressure as intended. TPMS malfunctions could occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

This device complies with Part 15 of the FCC Rules and with License exempt RSS Standards of Industry Canada. Operation is subject to the following two conditions:

1. This device will not cause harmful interference, and
2. This device must accept any interference received, including interference that could cause undesired operation.

Wheels and Tires

Note: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

Changing Tires With a Tire Pressure Monitoring System



E142549

Note: Each road tire is equipped with a tire pressure sensor located inside the wheel and tire assembly cavity. The pressure sensor is attached to the valve stem. The pressure sensor is covered by the tire and is not visible unless the tire is removed. Take care when changing the tire to avoid damaging the sensor.

You should always have your tires serviced by an authorized dealer.

Check the tire pressure periodically (at least monthly) using an accurate tire gauge. See **When Inflating Your Tires** in this chapter.

Understanding Your Tire Pressure Monitoring System



E250820

The tire pressure monitoring system measures pressure in your road tires and sends the tire pressure readings to your vehicle. You can view the tire pressure readings through the information display. See **Information Messages** (page 121). The low tire pressure warning light will turn on if the tire pressure is significantly low. Once

Wheels and Tires

the light is illuminated, your tires are under-inflated and need to be inflated to the manufacturer's recommended tire pressure. Even if the light turns on and a short time later turns off, your tire pressure still needs to be checked.

When Your Temporary Spare Tire is Installed

When one of your road tires needs to be replaced with the temporary spare, the system will continue to identify an issue to remind you that the damaged road wheel and tire assembly needs to be repaired and put back on your vehicle.

To restore the full function of the tire pressure monitoring system, have the damaged road wheel and tire assembly repaired and remounted on your vehicle.

When You Believe Your System is Not Operating Properly

The main function of the tire pressure monitoring system is to warn you when your tires need air. It can also warn you in the event the system is no longer capable of functioning as intended. See the following chart for information concerning your tire pressure monitoring system:

Wheels and Tires

Low tire pressure warning light	Possible cause	Customer action required
Solid warning light	Tire(s) under-inflated	Make sure tires are at the proper pressure. See Inflating your tires in this chapter. After inflating your tires to the manufacturer's recommended pressure as shown on the Tire Label (located on the edge of driver's door or the B-Pillar), the vehicle must be driven for at least two minutes over 20 mph (32 km/h) before the light turns off.
	Spare tire in use	Repair the damaged road wheel and tire assembly and reinstall it on the vehicle to restore system function. For a description on how the system functions, see When Your Temporary Spare Tire is Installed in this section.
	TPMS malfunction	If the tires are properly inflated and the spare tire is not in use but the light remains on, contact your authorized dealer as soon as possible.
Flashing warning light	Spare tire in use	Repair the damaged road wheel and tire assembly and reinstall it on the vehicle to restore system function. For a description on how the system functions, see When Your Temporary Spare Tire is Installed in this section.
	TPMS malfunction	If the tires are properly inflated and the spare tire is not in use but the light remains on, contact your authorized dealer as soon as possible.

Wheels and Tires

When Inflating Your Tires



WARNING: Do not use the tire pressure displayed in the information display as a tire pressure gauge. Failure to follow this instruction could result in personal injury or death.

When putting air into your tires (such as at a gas station or in your garage), the tire pressure monitoring system will not respond immediately to the air added to your tires.

It could take up to two minutes of driving over 20 mph (32 km/h) for the light to turn off after you have filled your tires to the recommended inflation pressure.

How Temperature Affects Your Tire Pressure

The tire pressure monitoring system monitors tire pressure in each pneumatic tire. While driving in a normal manner, a typical passenger tire inflation pressure could increase about 2–4 psi (14–28 kPa) from a cold start situation. If the vehicle is stationary overnight with the outside temperature significantly lower than the daytime temperature, the tire pressure could

decrease about 3 psi (21 kPa) for a drop of 30°F (17°C) in ambient temperature. This lower pressure value could be detected by the tire pressure monitoring system as being significantly lower than the recommended inflation pressure and activate the system warning light for low tire pressure. If the low tire pressure warning light is on, visually check each tire to verify that no tire is flat. If one or more tires are flat, repair as necessary. Check the air pressure in the road tires. If any tire is under-inflated, carefully drive the vehicle to the nearest location where air can be added to the tires. Inflate all the tires to the recommended inflation pressure.

Wheels and Tires

TECHNICAL SPECIFICATIONS

Wheel Lug Nut Torque Specifications



WARNING: When you install a wheel, always remove any corrosion, dirt or foreign materials present on the mounting surfaces of the wheel or the surface of the wheel hub, brake drum or brake disc that contacts the wheel. Make sure to secure any fasteners that attach the rotor to the hub so they do not interfere with the mounting surfaces of the wheel. Installing wheels without correct metal-to-metal contact at the wheel mounting surfaces can cause the wheel nuts to loosen and the wheel to come off while your vehicle is in motion, resulting in loss of vehicle control, personal injury or death.

Bolt Size	lb.ft (Nm) ¹
M14 x 1.5	150 lb.ft (204 Nm)

¹Torque specifications are for nut and bolt threads free of dirt and rust. Use only Ford recommended replacement fasteners.
Retighten the lug nuts to the specified torque within 100 miles (160 kilometers) after any wheel disturbance, such as tire rotation, changing a flat tire or wheel removal.

Wheels and Tires



E145950

A Wheel pilot bore.

Inspect the wheel pilot hole and mounting surface prior to installation. Remove any visible corrosion or loose particles.

Capacities and Specifications

ENGINE SPECIFICATIONS

Measurement	Specification
Cubic inches	122
Required fuel	Minimum 87 octane
Firing order	1-3-4-2
Compression ratio	12.3:1
Spark plug gap	0.049–0.053 in (1.25–1.35 mm)
Ignition system	Coil on plug

Capacities and Specifications

MOTORCRAFT PARTS

Component	2.0L ATK iVCT Engine
Air filter element	FA-1911
Engine oil filter. ¹	FL-910-S
Battery	BXT-90T5-590
Spark plugs. ²	SP-530
Cabin air filter	FP-71A
Windshield wiper blade	WW-2200 (driver side) WW-1900 (passenger side)

¹ If a Motorcraft® oil filter is not available, use an oil filter that meets industry performance specification SAE/USCAR-36.

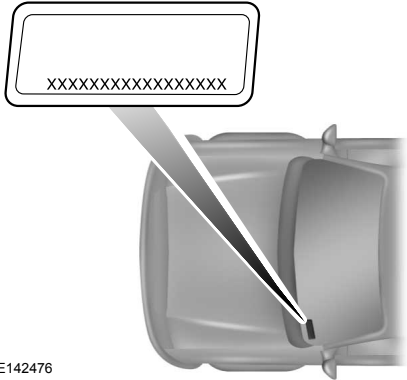
² For spark plug replacement, contact your authorized dealer. Replace the spark plugs at the recommended intervals. See **Scheduled Maintenance** (page 462).

Capacities and Specifications

We recommend Motorcraft® parts that are available at your authorized dealer or at www.fordparts.com. The parts engineered for your vehicle meet or exceed our specifications. Use of other parts could impact vehicle performance, emissions and durability. Your warranty could be void for any damage related to use of other parts.

VEHICLE IDENTIFICATION NUMBER

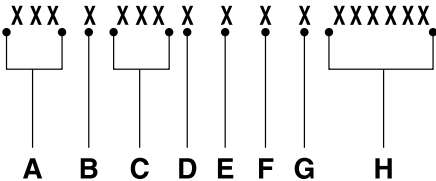
The vehicle identification number is located on the left-hand side of the instrument panel.



E142476

Please note that in the graphic, XXXX is representative of your vehicle identification number.

The Vehicle Identification Number contains the following information:



E142477

- A World manufacturer identifier
- B Brake system, Gross Vehicle Weight Rating, Restraint Devices and their locations
- C Make, vehicle line, series, body type
- D Engine type
- E Check digit
- F Model year
- G Assembly plant
- H Production sequence number

Capacities and Specifications

VEHICLE CERTIFICATION LABEL

MFD. BY FORD MOTOR CO.

DATE: XX/XX GVWR: XXXX KG (XXXX LB)
FRONT GAWR: REAR GAWR:
XXXX KG (XXXX LB) WITH XXXX KG (XXXX LB) WITH
XXXXXXXXXXXXXXXXX TIRES XXXXXXXXXXXXXXXXXXXX TIRES
XXXXXXXXX RIMS XXXXXXXX RIMS
AT XXXX kPa/ XXX PSI COLD AT XXXX kPa/ XXX PSI COLD

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR
VEHICLE SAFETY AND THEFT PREVENTION STANDARDS IN
EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN: XXXXXXXXXXXXXXXXXXXX XXXXX
TYPE: XXXX XXXXX

XXXXXXXXXXXXXXXXXXXX

EXT PNT: XX XXXXXX RC: XX DSO: XXXX
WB INT TR TP/PS I R AXLE TR SPR XXXX
XXX XX XXX X XX X XXXX XXXX
XXXXXXXXXXXXXXXX XXX XXXX-XXXXXXXX-XX

E167469

The National Highway Traffic Safety Administration Regulations require that a Safety Compliance Certification Label be affixed to a vehicle and prescribe where the Safety Compliance Certification Label may be located. The Safety Compliance Certification Label shall be affixed to either the door hinge pillar, the door latch post, or the edge of the door near the door latch, next to the driver's seating position.

TRANSMISSION CODE DESIGNATION

MFD. BY FORD MOTOR CO.

DATE: XX/XX GVWR: XXXX KG (XXXX LB)
FRONT GAWR: REAR GAWR:
XXXX KG (XXXX LB) WITH XXXX KG (XXXX LB) WITH
XXXXXXXXXXXXXXXXX TIRES XXXXXXXXXXXXXXXXXXXX TIRES
XXXXXXXXX RIMS XXXXXXXX RIMS
AT XXXX kPa/ XXX PSI COLD AT XXXX kPa/ XXX PSI COLD

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR
VEHICLE SAFETY AND THEFT PREVENTION STANDARDS IN
EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN: XXXXXXXXXXXXXXXXXXXX XXXXX
TYPE: XXXX XXXXX

XXXXXXXXXXXXXXXXXXXX

EXT PNT: XX XXXXXX RC: XX DSO: XXXX
WB INT TR TP/PS I R AXLE TR SPR XXXX
XXX XX XXX X XX X XXXX XXXX
XXXXXXXXXXXXXXXX XXX XXXX-XXXXXXXX-XX

↑

E167814

The transmission code is on the Safety Compliance Certification Label. The following table shows the transmission code along with the transmission description.

Capacities and Specifications

Description	Code
Electronic continuously variable transmission (ECVT), automatic, power split, shift by wire	J

Capacities and Specifications

CAPACITIES AND SPECIFICATIONS

Use oil and fluid that meets the defined specification and viscosity grade.

If you do not use oil and fluid that meets the defined specification and viscosity grade, it could result in:

- Component damage that your vehicle warranty does not cover.
- Longer engine cranking periods.

- Increased emission levels.
- Reduced engine performance.
- Reduced fuel economy.
- Reduced brake performance.

Capacities

Variant	Refrigerant	Refrigerant Oil
All.	18 oz (0.51 kg)	5.24 fl oz (155 ml)

Air Conditioning System



WARNING: The air conditioning refrigerant system contains refrigerant under high pressure. Only qualified personnel should service the air conditioning refrigerant system. Opening the air conditioning refrigerant system can cause personal injury.

Capacities and Specifications

Materials

Name	Specification
R-1234yf Refrigerant (U.S.) R-1234yf Refrigerant / Frigorigène R-1234yf (Canada) YN-33-A (U.S.) HS7Z-19B519-BA (Canada)	WSS-M17B21-A
Motorcraft® R-1234yf Refrigerant POE Oil (U.S.) Motorcraft® R-1234yf Refrigerant POE Oil / Huile POE pour frigorigène R-1234yf Motorcraft® (Canada) YN-34 (U.S. & Canada)	WSS-M2C31-B2

Automatic Transmission

Note: *Automatic transmissions that require MERCON® LV transmission fluid should only use MERCON® LV transmission fluid. The use of any other fluid could cause transmission damage.*

Capacities and Specifications

Capacities

Variant	Quantity
All.	5.0 qt (4.7 L) ¹

¹ Approximate dry fill capacity. Actual amount could vary during fluid changes.

Materials

Name	Specification
Motorcraft® MERCON® LV Automatic Transmission Fluid (U.S.) Motorcraft® MERCON® LV Automatic Transmission Fluid / Huile pour boîte automatique MERCON® LV Motorcraft® (Canada) XT-10-QLVC (U.S.) CXT-10-LV6 (Canada)	MERCON® LV WSS-M2C938-A

Engine Coolant

Capacities

Variant	Quantity
All.	8.9 qt (8.4 L)

Capacities and Specifications

Materials

Name	Specification
Motorcraft® Yellow Prediluted Antifreeze/Coolant (U.S.) Motorcraft® Yellow Prediluted Antifreeze/Coolant / Antigél/liquide de refroidissement prédilué jaune Motorcraft® (Canada) VC-13DL-G (U.S.) CVC-13DL-G (Canada)	WSS-M97B57-A2

Inverter System Coolant

Capacities

Variant	Quantity
All.	1.1 qt (1 L)

Capacities and Specifications

Materials

Name	Specification
Motorcraft® Yellow Prediluted Antifreeze/Coolant (U.S.) Motorcraft® Yellow Prediluted Antifreeze/Coolant / Antigel/liquide de refroidissement prédilué jaune Motorcraft® (Canada) VC-13DL-G (U.S.) CVC-13DL-G (Canada)	WSS-M97B57-A2

Engine Oil



E292282



An oil that displays this symbol conforms to current engine, emission system and fuel economy performance standards of ILSAC.

We recommend Motorcraft® motor oil for your vehicle. If Motorcraft® oil is not available, use motor oils of the recommended viscosity grade that meet API SN PLUS requirements and display the API Certification Mark for gasoline engines.

E142732

Capacities and Specifications

Capacities

Variant	Including the Oil Filter
All.	4.5 qt (4.3 L)

Materials

Name	Specification
Engine Oil - SAE 0W-20 - Synthetic Blend Motor Oil (U.S.) (Canada) XO-0W20-Q1SP (U.S.)	WSS-M2C947-B1

Fuel Tank

Capacities

Variant	Quantity
All.	14.0 gal (53 L)

Grease

Capacities and Specifications

Materials

Name	Specification
Motorcraft® Multi-Purpose Grease Spray (U.S.) Motorcraft® Multi-Purpose Grease Spray / Graisse tout usage en aérosol Motorcraft® (Canada) XL-5-A (U.S. & Canada)	ESB-M1C93-B

Hydraulic Brake System

Note: *We recommend using DOT 4 Low Viscosity (LV) High Performance Brake Fluid or equivalent meeting WSS-M6C65-A2. Use of any fluid other than the recommended fluid could cause reduced brake performance and not meet our performance standards. Keep brake fluid clean and dry. Contamination with dirt, water, petroleum products or other materials could result in brake system damage and possible failure.*

Capacities and Specifications

Materials

Name	Specification
Motorcraft® DOT 4 LV High Performance Motor Vehicle Brake Fluid (U.S.) Motorcraft® DOT 4 LV High Performance Motor Vehicle Brake Fluid / Liquide de frein automobile haute performance DOT 4 LV Motorcraft® (Canada) PM-20 (U.S. & Canada)	WSS-M6C65-A2

Locks

Materials

Name	Specification
Motorcraft® Penetrating and Lock Lubricant (U.S.) Motorcraft® Penetrating Fluid / Liquide dégrippant Motorcraft® (Canada) XL-1 (U.S.) CXC-51-A (Canada)	-

Washer Reservoir

Capacities

Variant	Quantity
All.	Fill as required.

Capacities and Specifications

Materials

Name	Specification
Motorcraft® Premium Windshield Wash Concentrate with Bitterant (U.S.) Motorcraft® Premium Quality Windshield Washer Fluid / Liquide lave-glace de haute qualité Motorcraft® (Canada) ZC-32-B2 (U.S.) CXC-37-A/B/D/F (Canada)	WSS-M14P19-A

BULB SPECIFICATION CHART

Replacement bulbs are specified in the chart below. Headlamp bulbs must be marked with an authorized “D.O.T.” for North America to make sure they have the proper lamp performance, light brightness, light pattern, and safe visibility. The correct bulbs will not damage the lamp assembly or void the lamp assembly warranty and will provide quality bulb illumination time.

Capacities and Specifications

Function	Trade name
Headlamp high beam - high series	LED
Headlamp high beam - low series	HID
Headlamp low beam - high series	LED
Headlamp low beam - low series	HID
Side marker lamp - front	LED
Park lamp - front	LED
Signature lamp	LED
Daytime running lamp	LED
Turn lamp - front	LED
Tail and brake lamp	LED
Reverse lamp	LED
Turn lamp - rear	LED
Side marker lamp - rear	LED
License plate lamp	LED
Trunk lamp	LED

Capacities and Specifications

Function	Trade name
High-mount brake lamp	LED
Side repeater lamp	LED
Glove compartment lamp	LED
Interior lamp	LED

To replace any bulb, see your authorized dealer.

Network Connectivity

CONNECTING THE VEHICLE TO A MOBILE NETWORK

What Is the Modem

The modem allows you to connect your vehicle to the Internet to use when you are on the road.

If you enable the modem using the Lincoln Way app, you can access the following services:

- Locating and remotely starting, locking and unlocking your vehicle. See the information in the Lincoln Way app.
- Automatic system updates.

Note: *We may need to update operating system software on your vehicle to keep connected services updated without prior notice to you.*

Enabling the Modem Using The Lincoln Way

1. Open the Lincoln Way app on your device and log in.
2. Select your vehicle.
3. Select the option for vehicle details.
4. Select the option to activate your vehicle.
5. Switch the ignition on.

6. Make sure that the name on the screen matches the name shown in your Lincoln Way account.
7. Confirm the association of your vehicle with your Lincoln Way account.

Enabling the Modem Using the Touchscreen



Select the settings option on the feature bar.

1. Select **Lincoln Connect**.
2. Select **Connectivity Settings**.
3. Switch connectivity features on.

Network Connectivity

NETWORK CONNECTIVITY – TROUBLESHOOTING

Wi-Fi Network

Symptom	Possible Cause and Resolution
I cannot connect to a Wi-Fi network.	<ul style="list-style-type: none">– Password error.<ul style="list-style-type: none">• Enter the correct network password.– Weak network signal.<ul style="list-style-type: none">• Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.– Multiple access points in range with the same SSID.<ul style="list-style-type: none">• Use a unique name for your SSID,. Do not use the default name unless it contains a unique identifier, for example as part of the MAC address.
The Wi-Fi connection disconnects after successful connection.	<ul style="list-style-type: none">– Weak network signal.<ul style="list-style-type: none">• Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.
I am close to a Wi-Fi hotspot but the network signal strength is weak.	<ul style="list-style-type: none">– Obstructed network signal.<ul style="list-style-type: none">• If your vehicle has a heated windshield, position your vehicle so that the windshield is not facing the Wi-Fi hotspot.• If your vehicle has metallic tinting on the windows but not on the windshield, position your vehicle so that the windshield is facing the Wi-Fi hotspot or open the windows that are facing the hotspot.

Network Connectivity

Symptom	Possible Cause and Resolution
	<ul style="list-style-type: none">• If your vehicle has metallic tinting on the windows and the windshield, open the windows that are facing the hotspot.• If your vehicle is in a garage and you have the garage door closed, open the garage door.
I cannot see a network in the list of available networks that I expect to see.	<ul style="list-style-type: none">– Hidden network.<ul style="list-style-type: none">• Make the network visible and try again.
I cannot see the Wi-Fi Hotspot name when I search for Wi-Fi networks on my cell phone or other device.	<ul style="list-style-type: none">– System limitation.<ul style="list-style-type: none">• Make sure Wi-Fi hotspot visibility is on.• The system does not provide a Wi-Fi hotspot at this time.
Software downloads take too long.	<ul style="list-style-type: none">– Weak network signal<ul style="list-style-type: none">• Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.– Wi-Fi hotspot in high demand or has a slow Internet connection.<ul style="list-style-type: none">• Use an more reliable Wi-Fi hotspot.
The system seems to connect to a Wi-Fi network and the signal strength is excellent but the software does not update.	<ul style="list-style-type: none">– No software update available.– Wi-Fi network requires a subscription or acceptance of terms and conditions.<ul style="list-style-type: none">• Test the connection using another device. If the network requires a subscription or acceptance of terms and conditions, contact the network service provider.

Network Connectivity

Mobile Network

Symptom	Possible Cause and Resolution
I cannot confirm association with Lincoln Way when trying to enable the modem.	<ul style="list-style-type: none">– Modem is not enabled.<ul style="list-style-type: none">• Enable the modem through Lincoln Way.– Weak network signal.<ul style="list-style-type: none">• Move your vehicle closer to a place where the network signal is not obstructed.

Wi-Fi Hotspot

CREATING A WI-FI HOTSPOT

You can create a Wi-Fi hotspot in your vehicle and allow devices to connect to it for access to the Internet.



Press the button to enter the settings menu.

1. Select **Lincoln Connect**.
2. Select **Vehicle Hotspot**.

Note: The vehicle hotspot default setting is on.

Finding the Wi-Fi Hotspot Name and Password



Press the button to enter the settings menu.

1. Select **Lincoln Connect**.
2. Select **Vehicle Hotspot**.
3. Select **Settings**.

Note: The SSID is the hotspot name.

4. Select **View Password**.

Connecting a Device to the Wi-Fi Hotspot

1. On your device, turn on Wi-Fi and select the hotspot from the list of available Wi-Fi networks.
2. When prompted, enter the password.

Purchasing a Data Plan

1. Connect a device to the hotspot.

Note: The vehicle network carrier's portal opens on your device.

2. If the portal does not open on your device, open a website and it redirects to the vehicle network carrier's portal.

Note: Secure websites do not redirect.

3. Follow the instructions on the carrier portal to purchase a plan.

Note: If you have an active plan, the system does not redirect to the vehicle network carrier's portal when you connect a device. Visit the vehicle network carrier's website to purchase more data.

Note: If data usage information is available in the vehicle hotspot menu, it is approximate.

Note: If you carry out a master reset, the system does not remove your vehicle from your vehicle network carrier's account. To remove your vehicle from the account, contact your vehicle network carrier.

Note: The vehicle network carrier provides Vehicle Hotspot services, subject to your vehicle network carrier agreement, coverage and availability.

CHANGING THE WI-FI HOTSPOT NAME OR PASSWORD



Press the button to enter the settings menu.

1. Select **Lincoln Connect**.
2. Select **Vehicle Hotspot**.
3. Select **Settings**.
4. Select **Edit**.
5. Select **Change SSID Name**.

Wi-Fi Hotspot

6. Enter your required SSID.
7. Select **Done**.
8. Select **Change Password**.
9. Enter your required password.
10. Select **Done**.

Audio System

GENERAL INFORMATION



WARNING: Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the

road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

Radio Frequencies and Reception Factors

Note: *Listening to loud audio for long periods of time could damage your hearing.*

Radio Reception Factors	
Distance and strength	The further you travel from an AM or FM station, the weaker the signal and the weaker the reception.
Terrain	Hills, mountains, tall buildings, bridges, tunnels, freeway overpasses, parking garages, dense tree foliage and thunderstorms can interfere with the reception.
Station overload	When you pass a ground-based broadcast repeating tower, a stronger signal may overtake a weaker one and result in the audio system muting.

Audio System

AUDIO UNIT



WARNING: Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.



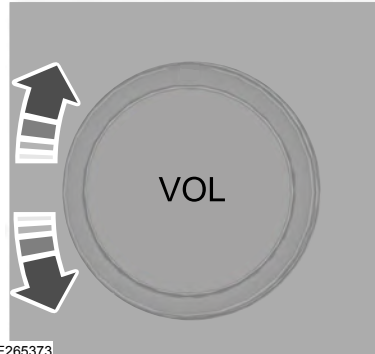
E287755

Note: Depending on your vehicle option package, the controls may look different from what you see here.

Note: Some features, such as satellite radio, may not be available in your location. Check with an authorized dealer.

Note: The touchscreen system controls most of the audio features.

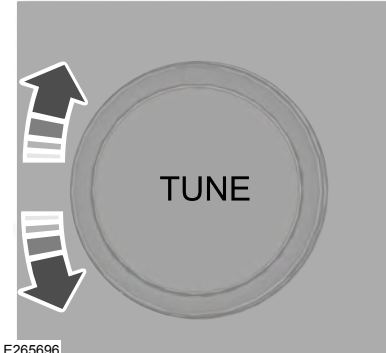
Adjusting the Volume



E265373

Turn to adjust the volume.

Changing Radio Stations



E265696

In radio mode, turn to search through the radio frequency band.

In satellite radio mode, turn to find the previous or next available satellite radio station.

Ejecting the CD (If Equipped)



Press and release the button to eject a CD.

Audio System

Inserting a CD (If Equipped)

Insert a CD into the CD slot.

Playing or Pausing Media (If Equipped)



Press and release the button to either play or pause the audio.

Selecting the Audio Modes



Press and release the button to access different audio modes, for example AM, FM and CD.

Switching the Audio Unit On and Off



Press and release the button.

Using Seek, Fast Forward and Reverse



In radio mode, select a frequency band and press and release either button. The system stops at the first station it finds in that direction.

In CD mode, press and release to select the next or previous track. Press and hold to move quickly forward or backward through the current track.

In satellite radio mode, press and release to select the next or previous satellite radio station. If you select a specific category, such as jazz, rock or news, press to find the next or previous station in the category you select.

DIGITAL RADIO (IF EQUIPPED)

Note: *HD Radio broadcasts are not available in all markets.*

HD Radio technology is the digital evolution of analog AM/FM radio. Your system has a special receiver that allows it to receive digital broadcasts, where available, in addition to the analog broadcasts, it already receives. Digital broadcasts provide a better sound quality than analog broadcasts with free, crystal-clear audio and no static or distortion. For more information, and a guide to available stations and programming, please visit www.hdradio.com.

When HD Radio is on and you tune to a station broadcasting HD Radio technology, you may notice the HD Radio logo on your screen. When this logo is available, you may also see Title and Artist fields on-screen.

The multicast indicator appears in FM mode, only, if the current station is broadcasting multiple digital broadcasts. The highlighted numbers signify available digital channels where new or different content is available. HD1 signifies the main programming status and is available in analog and digital broadcasts. Other multicast stations, HD2 through HD7, are only available digitally.

Audio System

When HD Radio broadcasts are active, you can access the following functions:

- **Memory presets** allow you to save an active channel as a memory preset. Touch and hold a memory preset slot until the sound returns. There is a brief

mute while the radio saves the station. Sound returns when finished. When switching to an HD2 or HD3 memory preset, the sound mutes before the digital audio plays, because the system has to reacquire the digital signal.

Note: *As with any saved radio station, you cannot access the saved station if your vehicle is outside the station's reception area.*

HD Radio Reception and Station Troubleshooting

Potential reception issues	
Reception area	If you are listening to a multicast station and you are on the fringe of the reception area, the station may mute due to weak signal strength.
	If you are listening to HD1, the system switches back to the analog broadcast until the digital broadcast is available again. However, if you are listening to any of the possible HD2-HD7 multicast channels, the station mutes and stays muted unless it is able to connect to the digital signal again.
Station blending	When the system first receives a station, aside from HD2-HD7 multicast stations, it first plays the station in the analog version. Once the receiver verifies the station is an HD Radio station, it shifts to the digital version. Depending on the station quality, you may hear a slight sound change when the station changes from analog to digital. Blending is the shift from analog to digital sound or digital back to analog sound.

Audio System

In order to provide the best possible experience, use the contact form to report any station issues found while listening to a station broadcasting with HD Radio

technology. Independent entities own and operate each station. These stations are responsible for the accuracy of all audio streams and data fields.

Potential station issues		
Issues	Cause	Action
Echo, stutter, skip or repeat in audio. Increase or decrease in audio volume.	This is poor time alignment by the radio broadcaster.	No action required. This is a broadcast issue.
Sound fading or blending in and out.	The radio is shifting between analog and digital audio.	No action required. The reception issue may clear up as you continue to drive.
There is an audio mute delay when selecting HD2 or HD3, multicast preset or Direct Tune .	The digital multicast is not available until the HD Radio broadcast is decoded. Once decoded, the audio is available.	No action required. This is normal behavior. Wait until the audio is available.
Cannot access HD2 or HD3 multicast channel when recalling a preset or from a direct tune.	The previously stored multicast preset or direct tune is not available in your current reception area.	No action required. The station is not available in your current location.
Text information does not match currently playing audio.	Data service issue by the radio broadcaster.	Fill out the station issue form at website listed below. ¹
There is no text information shown for currently selected frequency.	Data service issue by the radio broadcaster.	Fill out the station issue form at website listed below. ¹

¹<http://hdradio.com/stations/feedback>

Audio System

HD Radio Technology manufactured under license from iBiquity Digital Corporation and foreign patents. HD Radio and the HD and HD Radio logos are proprietary trademarks of DTS Ford Motor Company and DTS are not responsible for the content sent using HD Radio technology. Content may be changed, added or deleted at any time at the station owner's discretion.

SATELLITE RADIO (IF EQUIPPED)

SiriusXM® Satellite Radio broadcasts a variety of music, news, sports, weather, traffic and entertainment satellite radio channels. For more information and a complete list of SiriusXM satellite radio channels, visit www.siriusxm.com in the United States, www.siriusxm.ca in Canada, or call SiriusXM at 1-888-539-7474.

Note: *This receiver includes the eCos real-time operating system. eCos is published under the eCos License.*

Satellite Radio Reception Factors

Potential satellite radio reception issues	
Antenna obstructions	For optimal reception performance, keep the antenna clear of snow and ice build-up and keep luggage and other material as far away from the antenna as possible.
Terrain	Hills, mountains, tall buildings, bridges, tunnels, freeway overpasses, parking garages, dense tree foliage and thunderstorms can interfere with your reception.
Station overload	When you pass a ground-based broadcast-repeating tower, a stronger signal may overtake a weaker one and the audio system may mute.
Satellite radio signal interference	Your display may show ACQUIRING . . . to indicate the interference and the audio system may mute.

Audio System

SiriusXM Satellite Radio Service

Note: *SiriusXM reserves the unrestricted right to change, rearrange, add or delete programming including canceling, moving or adding particular channels, and its prices, at any time, with or without notice to you. Ford Motor Company shall not be responsible for any such programming changes.*



E208625

SiriusXM satellite radio is a subscription-based satellite radio service that broadcasts a variety of music, sports, news, weather, traffic and entertainment programming. Your factory-installed SiriusXM satellite radio system includes hardware and a limited subscription term, which begins on the date of sale or lease of your vehicle. See an authorized dealer for availability.

For more information on extended subscription terms (a service fee is required), the online media player and a complete list of SiriusXM satellite radio channels, and other features, please visit www.siriusxm.com in the United States, www.siriusxm.ca in Canada, or call SiriusXM at 1-888-539-7474.

Satellite Radio Electronic Serial Number (ESN)

You need your ESN to activate, modify or track your satellite radio account.

Locating Your ESN

With satellite radio as the source, use the touchscreen to select the following:

1. Select **Settings**. See **Settings** (page 437).
2. Select **SiriusXM**.
3. Select **SiriusXM information**.

Audio System

Troubleshooting

Message	Condition	Action
Acquiring...	Radio requires more than two seconds to produce audio for the selected channel.	No action required. This message should disappear shortly.
Satellite antenna fault SIRIUS system failure	There is an internal module or system failure present.	If this message does not clear shortly, or with an ignition key cycle, your receiver may have a fault. See an authorized dealer for service.
Invalid Channel	The channel is no longer available.	Tune to another channel or choose another preset.
Unsubscribed Channel	Your subscription does not include this channel.	Contact SiriusXM at 1-888-539-7474 to subscribe to the channel, or tune to another channel.
No Signal	The signal is lost from the SiriusXM satellite or SiriusXM tower to your vehicle antenna.	The signal is blocked. When you move into an open area, the signal should return.
Updating...	Update of channel programming in progress.	No action required. The process may take up to three minutes.
Questions? Call 1-888-539-7474	Your satellite service is no longer available.	Contact SiriusXM at 1-888-539-7474 to resolve subscription issues.

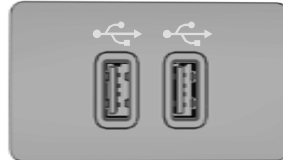
Audio System

Message	Condition	Action
None found Check Channel Guide	All the channels in the selected category are either skipped or locked.	Use the channel guide to turn off the Lock or Skip function on that station.
Subscription Updated	SiriusXM has updated the channels available for your vehicle.	No action required.

USB PORT



WARNING: Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.



E242003

The USB Port is below the climate control and in the center console.

You can use the USB port to play media and charge a device.

GENERAL INFORMATION



WARNING: Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

About SYNC

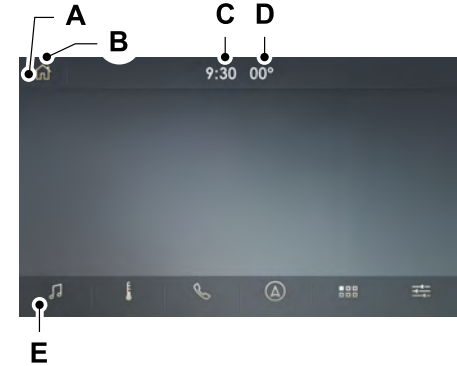
The system allows you to interact with the entertainment, information and communication systems on your vehicle using voice commands and a touchscreen. The system provides easy interaction with audio, phone, navigation, mobile apps and settings.

Note: You can switch the system on and use it for up to an hour without switching the ignition on.

Note: You can use the system after you switch the ignition off for up to 10 minutes or until you open a door.

Note: For your safety, some features are speed-dependent. Their use is limited to when your vehicle speed is less than 3 mph (5 km/h).

Using the Touchscreen



- A Status bar.
- B Home screen.
- C Clock. See **Settings** (page 437).
- D Outside air temperature.
- E Feature bar.

Status Bar



Cell phone microphone muted.



Audio system muted.



Software update installed.



Wi-Fi connected.



Cell phone roaming.



Text message received.



Automatic crash notification system off.



Cell phone network signal strength.



Vehicle data sharing active.



Vehicle location sharing active.



Vehicle data and location sharing active.

Feature Bar



Select to use the radio, a USB, a media player or a Bluetooth device. See **Entertainment** (page 404).



Select to adjust climate settings. See **Climate** (page 416).



Select to make calls and access the phonebook on your cell phone. See **Phone** (page 419).



Select to use the navigation system. See **Navigation** (page 421).



Select to search for and use compatible apps on your iOS or Android device. See **Apps** (page 435).



Select to adjust system settings. See **Settings** (page 437).

Cleaning the Touchscreen

See **Cleaning the Interior** (page 322).

Updating the System

Updating the System Using a USB Drive

Downloading an Update

1. Go to the SYNC update page on the regional website.
2. Download the update.

Note: *The website notifies you if an update is available.*

3. Insert a USB drive into your computer.

Note: *The USB drive needs to be empty and meet the minimum requirements detailed on the website.*

4. Follow the instructions provided to download the update to the USB drive.

Installing an Update

Note: You can use the system when an installation is in progress.

1. Disconnect all other USB devices from the USB ports.
2. Connect the USB drive with the update to a USB port.

Note: Installation starts automatically within a few minutes.

Updating the System Using a Wi-Fi Network Connection

Switching Automatic System Updates On



Select the settings option on the feature bar.

1. Select **Automatic Updates**.
2. Switch **Automatic System Updates** on.

The system is now set to check for and receive system updates when it is connected to a Wi-Fi network.

Note: You can use the system when a download is in progress.

Note: If the system is disconnected from the Wi-Fi network when a download is in progress, the download continues the next time the system is connected to a Wi-Fi network.

Connecting to a Wi-Fi Network

See **Wi-Fi Hotspot** (page 379).

Additional Information and Assistance

For additional information and assistance, we recommend that you contact an authorized dealer or refer to the local website.

USING VOICE RECOGNITION

The system allows you to interact with the entertainment, information and communication systems on your vehicle using voice commands. This allows you to keep your hands on the steering wheel and focus on what is in front of you.



Press the voice control button on the steering wheel and wait for the voice prompt.

Note: Press the voice control button again to interrupt a voice prompt and begin speaking.

Note: Turn the volume control when a voice prompt plays to adjust the volume.

Note: Press and hold the voice control button on the steering wheel to use Siri on your iOS device.

The following voice commands are designed to help you from any screen:

- **List of Commands**
- **Help**

The following tables list some of the more frequently used voice commands. For a complete list of voice commands, refer to our website.

General

Voice Command	Description
___ List of Commands	Get a list of voice commands for a specific feature. ¹
Cancel	Cancel an active voice session.
___ Help	Get a list of voice commands for a specific feature. ¹
Go back	Return to the previous screen.
Main Menu	Go to the main menu.
Next Page	Go to the next page.
Previous Page	Go to the previous page.

¹ Add the name of the feature to the command.

Entertainment

Audio Source

Voice Command	Description
Radio	Use the radio.
CD Player	Use the CD player.
Bluetooth Stereo	Use a Bluetooth device.
USB	Use a USB or media player.

Radio

Voice Command	Description
AM	Listen to AM radio.
AM ____	Tune to a specific AM frequency. ¹
Sirius Channel ____	Listen to SiriusXM radio. ²

Voice Command	Description
FM	Listen to FM radio.
FM ____	Tune to a specific FM frequency. ¹

¹Add the radio frequency to two decimal places to the command.

²You can say the Sirius channel name or number such as "Sirius Channel 16" or "Sirius The Pulse".

USB and Media Player

Voice Command	Description
Play Album ____	Play your music by category. ¹
Play Artist ____	
Play Genre ____	
Play Playlist ____	
Play Song ____	
Play Audiobook ____	
Play Podcast ____	
Browse All Albums	Browse music on a USB device.
Browse All Artists	

Voice Command	Description
Browse All Audiobooks	
Browse All Genres	
Browse All Playlists	
Browse All Podcasts	
Browse All Songs	
Browse Album ____	Browse your music by category on a USB device. ¹
Browse Artist ____	
Browse Audiobook ____	
Browse Genre ____	
Browse Playlist ____	
Browse Podcast ____	

¹ Add an album name, artist name, audiobook name, genre name, playlist name, podcast name or track name to the command. Say the name exactly as it appears on your device.

Climate (If Equipped)

You can control the temperature of the vehicle using voice commands.

____ is a dynamic listing, meaning that for climate voice commands it can be the desired degrees for the temperature setting.

To adjust the temperature, say:

Voice command	Description
Set Temperature ____	Adjust the temperature between 60–85°F (15.5–29.5°C).

Phone

Voice Command	Description
Pair Phone	Pair a cell phone or Bluetooth enabled device.
Redial	Redial the last number that you dialed.
Dial ____	Dial a number. ¹
Call ____	Call a specific contact from your phonebook. ²
Call ____ ____	Call a specific contact from your phonebook at a specific location. ³
Listen to Message	Listen to a text message.

Voice Command	Description
Listen to Message ____	Listen to a specific text message from a list of text messages.
Reply to Message	Reply to the last text message.

¹ Add the number you want to dial to the command.

² Add a contact name from your phonebook to the command. Say the first and last name of your contact exactly as it appears on your device.

³ Add a contact name and location from your phonebook to the command. Say the first and last name of your contact exactly as it appears on your device.

Navigation (If Equipped)

Setting a Destination

Voice Command	Description
Find an Address	Enter a destination address. When prompted, provide the house number, the street and city.
Find a Place	Search for a point of interest by name or by category.
Find the Next ____	Search for a nearby point of interest by category. ¹
Find a POI Category	Search for a point of interest category. ¹
Drive Home	Set your saved home address as your destination.
Drive to Work	Set your saved place of work as your destination.
Show Previous Destinations	Display and select from a list of previous destinations.
Show Favorites	Display and select from a list of favorite destinations.

¹Add a point of interest category or the name of a major brand or chain to the command.

Route Guidance

Voice Command	Description
Cancel Route	Cancel the current route.
Detour	Select an alternate route.
Repeat Instruction	Repeat the last guidance prompt.
Show Route	Display an overview of the route.
Show Traffic	Display a list of traffic events on your route.
Show Map	Display the map on the touchscreen.
North Up	Display a two-dimensional map with north toward the top of the touchscreen.
Heading Up	Display a two-dimensional map with the direction you are traveling toward the top of the touchscreen.
Show 3D	Display a three-dimensional map with the direction you are traveling toward the front.

Apps

General

Voice Command	Description
Mobile Applications	Start an app. The system prompts you for the app name.
List Applications	Get a list of apps running on your device.
Find Applications	Search and connect to apps running on your device.

Active App

Voice Command	Description
___ Help	Get a list of voice commands for a specific app. ¹
Exit ___	Close an app. ¹

¹Add an app name to the command.

SiriusXM Traffic and Travel Link (If Equipped)

Voice command	Description
Show Traffic	Displays a list of traffic incidents.
Show Weather Map	Displays the current weather map.
Show Fuel Prices	Displays a list of fuel prices.
Show 5 Day Forecast	Displays the 5 day weather forecast.

Voice Settings

Voice Command	Description
Voice Settings	Go to the voice settings menu.
Interaction Mode Novice	Switch long voice prompts on.
Interaction Mode Advanced	Switch short voice prompts on.
Phone Confirmation On	Switch call confirmation on. The system prompts you to confirm before making a call.

Voice Command	Description
Phone Confirmation Off	Switch call confirmation off. The system does not prompt you to confirm before making a call.
Voice Command Lists On	Switch the display of voice commands on.
Voice Command Lists Off	Switch the display of voice commands off.

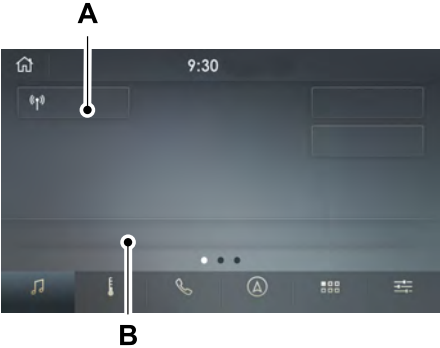
Automatic Blower Motor Speed Reduction

If necessary, the system decreases the blower motor speed when you are using voice commands to reduce the amount of background noise in your vehicle. It returns to normal when you are done.

Switching Automatic Blower Motor Speed Reduction Off

Simultaneously press the **A/C** and recirculated air buttons.

ENTERTAINMENT



- A Audio source. Select to choose a different audio source.
- B Presets. Swipe left to view more presets.

You can access these options using the touchscreen or voice commands.

Sources

Press this button to select the source of media you want to listen to.

Menu Item	
AM	
FM	
SIRIUS	
CD	
USB	The name of the USB that is plugged in displays here.

Menu Item	
Bluetooth Stereo	
Apps	If you have SYNC 3 compatible apps on your connected smart phone, they display here as individual source selections.

AM/FM Radio

Tuning a Station

You can use the tune or seek controls on the radio bezel to select a station.

To tune a station using the touchscreen, select:

Menu Item
Direct Tune

A pop up appears, allowing you to type in the frequency of a station. You can only enter a valid station for the source you are currently listening to.

You can press the backspace button to delete the previously entered number.

Once you have entered the station's call numbers, you can select:

Menu Item	Action and Description
Enter	Press to begin playing the station you have entered.
Cancel	Press to exit without changing the station.

Presets

To set a new preset, tune to the station and then press and hold one of the memory preset buttons. The audio mutes briefly while the system saves the station and then returns.

You may be able to add additional preset pages using the settings option on the feature bar.

SiriusXM® Satellite Radio (If Activated)

Note: This feature may not be available in all markets and requires an active subscription.



E234451

SiriusXM satellite radio is a subscription-based satellite radio service that broadcasts a variety of music, sports, news, weather, traffic and entertainment programming. Your factory-installed SiriusXM satellite radio system includes hardware and a limited subscription term that begins on the date of sale or lease of your vehicle. See an authorized dealer for availability.

For more information on extended subscription terms (a service fee is required), the online media player and a list of SiriusXM satellite radio channels, and other features, please visit www.siriusxm.com in the United States, www.siriusxm.ca in Canada, or call SiriusXM at 1-888-539-7474.

Note: *SiriusXM reserves the unrestricted right to change, rearrange, add or delete programming. This includes canceling, moving or adding particular channels, and its prices, at any time, with or without notice to you. We are not responsible for any such programming changes.*

Note: *This receiver includes the eCos real-time operating system. eCos is published under the eCos License.*

The following buttons are available for SiriusXM:

Menu Item	Action and Description	
Browse	Touch this button to see a list of available stations.	
Direct Tune	A pop-up appears, allowing you to type in the call numbers of a station. Once you enter the stations call numbers, you can select:	
	Enter	The system tunes to the station you select.
	Cancel	You exit the pop-up and the current station continues to play.
	You can press the backspace button to delete the previous number.	

Menu Item	Action and Description	
Replay	Replay audio on the current channel. You can replay approximately 45 minutes of audio as long as you remain tuned to the current station. Changing stations erases the previous audio.	
	Live	When you are in replay mode, you are not able to select a different preset until you return to live audio. Pressing this button returns you to the live broadcast.
ALERT	Save the current song, artist, or team as a favorite. The system alerts you when it plays again on any channel. Selecting this button allows you to enable and edit alerts. See Settings (page 437).	

Memory Presets

To set a preset, tune to the station then press and hold one of the memory preset buttons. The audio mutes briefly while the system saves the station and returns once the station is stored.

You may be able to add additional preset pages using the settings option on the feature bar.

Satellite Radio Electronic Serial Number (ESN)

You need your ESN to activate, modify or track your satellite radio account. See **Settings** (page 437).

SiriusXM Satellite Radio Reception Factors and Troubleshooting

Potential Reception Issues	
Antenna obstructions	For optimal reception performance, keep the antenna clear of snow and ice build-up and keep luggage and other materials as far away from the antenna as possible.
Terrain	Hills, mountains, tall buildings, bridges, tunnels, freeway overpasses, parking garages, dense tree foliage and thunderstorms can interfere with your reception.
Station overload	When you pass a ground-based broadcast-repeating tower, a stronger signal may overtake a weaker one and the audio system may mute.
Satellite radio signal interference	Your display may show ACQUIRING... to indicate the interference and the audio system may mute.

Troubleshooting Tips		
Message	Cause	Action
Acquiring Signal	Radio requires more than two seconds to produce audio for the selected channel.	No action required. This message should disappear shortly.
Satellite antenna fault SIRIUS system failure	There is an internal module or system failure present.	If this message does not clear shortly, or with an ignition key cycle, your receiver may have a fault. See an authorized dealer for service.
Invalid Channel	The channel is no longer available.	Tune to another channel or choose another preset.

Troubleshooting Tips		
Message	Cause	Action
Unsubscribed Channel	Your subscription does not include this channel.	Contact SiriusXM at 1-888-539-7474 to subscribe to the channel, or tune to another channel.
Satellite acquiring signal...	The signal is lost from the SiriusXM satellite or SiriusXM tower to your vehicle antenna.	The signal is blocked. When you move into an open area, the signal should return.
Updating...	Update of channel programming in progress.	No action required. The process may take up to three minutes.
Questions? Call 1-888-539-7474	Your satellite service is no longer available.	Contact SiriusXM at 1-888-539-7474 to resolve subscription issues.
None found. Check channel guide.	All the channels in the selected category are either skipped or locked.	Use the channel guide or the Sirius XM Settings tile to turn off the Lock or Skip function on that station.
SIRIUS Subscription updated	SiriusXM has updated the channels available for your vehicle.	No action required.

HD Radio™ Information (If Available)

To activate HD radio, please see the Radio Settings in the Settings Chapter. See **Settings** (page 437).

Note: HD Radio broadcasts are not available in all markets.

HD Radio technology is the digital evolution of analog AM/FM radio. Your system has a special receiver that allows it to receive digital broadcasts (where available) in addition to the analog broadcasts, it already receives. Digital broadcasts provide a better sound quality than analog broadcasts with free, crystal-clear audio and no static or distortion. For more information, and a guide to available stations and programming, please visit:

Website
www.hdradio.com

When HD Radio is on and you tune to a station broadcasting HD Radio technology, you may notice the following indicators on your screen:



E142616

The HD logo is grey when acquiring a digital station, and then changes to orange when digital audio is playing. When this logo is available, you may also see Title and Artist fields on-screen.

The multicast indicator appears in FM mode (only) if the current station is broadcasting multiple digital broadcasts. The highlighted numbers signify available digital channels where new or different content is available. HD1 signifies the main programming status and is available in analog and digital broadcasts. Other multicast stations (HD2 through HD7) are only available digitally.

Note: *There is also an additional feature for stations that have more than 1 HD multicast (For example, HD1 or HD2). The HD logo and Radio text appears as a button. Pressing this button allows you to cycle through all of the HD stations on that specific frequency. For example, if you are on 101.1 and it has HD1, HD2, HD3, pressing the button repeatedly causes the radio to cycle through the HD stations in a cyclic increasing order.*

When HD Radio broadcasts are active, you can access the following functions:

Message	Action and Description
Presets	Allows you to save an active channel as a memory preset. Touch and hold a memory preset slot until the sound returns. There is a brief mute while the radio saves the station. Sound returns when the channel saves. When switching to an HD2 or HD3 memory preset, the sound mutes before the digital audio plays, because the system has to reacquire the digital signal.

Note: *As with any station you save, you cannot access the saved station if your vehicle is outside the station's reception area.*

HD Radio Reception and Station Troubleshooting

Potential Reception Issues	
Reception area	If you are listening to a multicast station and you are on the fringe of the reception area, the station may mute due to weak signal strength.
	If you are listening to HD1, the system changes back to the analog broadcast until the digital broadcast is available again. However, if you are listening to any of the possible HD2-HD7 multicast channels, the station mutes and stays muted unless it is able to connect to the digital signal again.
Station blending	When the system first receives a station (aside from HD2-HD7 multicast stations), it first plays the station in the analog version. Once the receiver verifies the station is an HD Radio station, it shifts to the digital version. Depending on the station quality, you may hear a slight sound change when the station changes from analog to digital. Blending is the shift from analog to digital sound or digital back to analog sound.

In order to provide the best possible experience, use the contact form to report any station issues found while listening to a station broadcasting with HD Radio

technology. Independent entities own and operate each station. These stations are responsible for ensuring all audio streams and data fields are accurate.

Potential Station Issues		
Issues	Cause	Action
Echo, stutter, skip or repeat in audio. Increase or decrease in audio volume.	This is poor time alignment by the radio broadcaster.	No action required. This is a broadcast issue.
Sound fading or blending in and out.	The radio is shifting between analog and digital audio.	No action required. The reception issue may clear up as you continue to drive.
There is an audio mute delay when selecting HD2 or HD3, multicast preset or Direct Tune.	The digital multicast is not available until the HD Radio broadcast is decoded. Once decoded, the audio is available.	No action required. This is normal behavior. Wait until the audio is available.
Cannot access HD2 or HD3 multicast channel when recalling a preset or from a direct tune.	The previously stored multicast preset or direct tune is not available in your current reception area.	No action required. The station is not available in your current location.
Text information does not match currently playing audio.	Data service issue by the radio broadcaster.	Fill out the station issue form.
There is no text information shown for currently selected frequency.	Data service issue by the radio broadcaster.	Fill out the station issue form.

Station Issue Form
http://hdradio.com/stations/feedback

HD Radio Technology manufactured under license from iBiquity Digital Corporation and foreign patents. HD Radio and the HD and HD Radio logos are proprietary trademarks of DTS. The vehicle manufacturer and DTS are not responsible for the content sent using HD Radio technology. Content may be changed, added or deleted at any time at the station owner's discretion.

CD (If equipped)

Once you select this option, the system returns you to the main audio screen.

The current audio information appears on the screen.

The following buttons are also available:

Button	Function
Browse	You can use the browse button to select a track.
Repeat	Select this button and a small number one displays to indicate the track is set to repeat. For MP3 CDs, this button allows you to toggle through repeat off, repeat one track (a small number one displays), and repeat current folder (a small folder displays).
Shuffle	Select the shuffle symbol to have the audio on the disk play in random order.

You can use the forward, reverse, pause or play buttons to control the audio playback.

Bluetooth Stereo or USB

Bluetooth Stereo and USB allow you to access media that you store on your Bluetooth device or USB device such as music, audio books or podcasts.

The following buttons are available for Bluetooth and USB:

Button	Function
Repeat	Pressing the repeat button toggles the repeat setting through three modes: repeat off (button not highlighted), repeat all (button highlighted) and repeat track (button highlighted with a small number one).
Shuffle	Play the tracks in random order.

You can use the forward, reverse, pause or play buttons to control the audio playback.

To get more information about the currently playing track, press the cover art or Info button.

For some devices, SYNC 3 is able to provide 30-second skip buttons when you listen to audio books or podcasts. These buttons allow you to skip forward or backward within a track.

While playing audio from a USB device you can look for certain music by selecting the following:

Button	Function
Browse	If available, displays the list of tracks in the Now Playing playlist.
New Search	This option, which is available under browse, allows you to play all tracks or to filter the available media into one of the below categories.
	Play All
	Playlists
	Artist
	Albums
	Songs
	Genres
	Podcasts
	Audio books
	Composers
A-Z Jump	This button allows you to choose a specific letter to view within the category you are browsing.
Explore Device	If available, this allows you to browse the folders and files on your USB device.

USB Ports



E285280

The USB ports are in the center console or behind a small access door in the instrument panel.

This feature allows you to plug in USB media devices, memory sticks, flash drives or thumb drives, and charge devices if they support this feature.

Select this option to play audio from your USB device.

Apps

The system supports the use of certain audio apps such as iHeartRadio through a USB or Bluetooth enabled device.

Each app gives you different on-screen options depending on the app's content. See **Apps** (page 435).

Supported Media Players, Formats and Metadata Information

The system is capable of hosting nearly any digital media player, including iPod, iPhone, and most USB drives.

Supported audio formats include MP3, WMA, WAV, AAC, and FLAC.

Supported audio file extensions include MP3, WMA, WAV, M4A, M4B, AAC, and FLAC.

Supported USB file systems include: FAT, exFAT, and NTFS.

SYNC 3 is also able to organize the media from your USB device by metadata tags. Metadata tags, which are descriptive software identifiers embedded in the media files, provide information about the file.

If your indexed media files contain no information embedded in these metadata tags, SYNC 3 may classify the empty metadata tags as unknown.

SYNC 3 is capable of indexing up to 50,000 songs per USB device, for up to 10 devices.

CLIMATE (IF EQUIPPED)

Touch the climate button on the touchscreen to access your climate control features.

Note: You can switch temperature units between Fahrenheit and Celsius. See **Settings** (page 437).

Accessing the Climate Control Menu



Touch the button to access additional controls for the front climate system.

Directing the Airflow



Touch the button to direct airflow to the windshield air vents and de-mister.



Touch the button to direct airflow to the instrument panel air vents.



Touch the button to direct airflow to the footwell air vents.

You can direct air through any combination of these air vents.

Setting the Blower Motor Speed



Touch up or down to increase or decrease the volume of air that circulates in your vehicle.

Setting the Temperature

Touch up or down on the left-hand temperature control to set the left-hand temperature.

Note: *This control also adjusts the right-hand side temperature when you switch off dual zone mode.*

Touch up or down on the right-hand temperature control to set the right-hand temperature.

Switching Auto Mode On and Off



Touch the button to switch on automatic operation, then set the temperature.

The system adjusts the blower motor speed, air distribution, air conditioning operation, and outside or recirculated air to reach and maintain the temperature you have set.

Switching the Air Conditioning On and Off



A pop-up appears on the screen to display the air conditioning options.

MAX A/C: Touch the button to activate and maximize cooling. The driver and passenger temperatures are set to LO, recirculated air flows through the instrument panel vents, air conditioning automatically turns on and the fan automatically adjusts to the highest speed.

A/C: Touch to switch the air conditioning on or off. Use A/C with recirculated air to improve cooling performance and efficiency.

Note: *In certain conditions, such as maximum defrost, the air conditioning compressor may continue to operate even though you switch off the air conditioning.*

Switching the Climate Control On and Off



Touch the button.

Switching the Climate Controlled Seats On and Off



Touch the button to cycle through the various climate controlled seat settings.

Switching Dual Zone Mode On and Off



Touch the button to switch on temperature control for the right-hand side of the vehicle.

Switching the Heated Exterior Mirrors On and Off



Touch the button.

Switching the Heated Windshield On and Off



Touch the button to clear the windshield of thin ice and fog. The heated windshield turns off after a short period of time.

Switching the Heated Rear Window On and Off



Touch the button to clear the rear window of thin ice and fog.

Switching the Heated Seats On and Off



Touch the button to cycle through the various heat settings.

Switching the Heated Steering Wheel On and Off



Touch the button.

Switching Maximum Air Conditioning On and Off



Touch the button for maximum cooling.

Recirculated air flows through the instrument panel air vents, air conditioning turns on and the blower motor adjusts to the highest speed.

Switching Maximum Defrost On and Off



Touch the button for maximum defrosting.

Air flows through the windshield air vents, and the blower motor adjusts to the highest speed.

You can also use this setting to defog and clear the windshield of a thin covering of ice.

Note: To prevent window fogging, you cannot select recirculated air when maximum defrost is on.

Note: The heated rear window also turns on when you select maximum defrost.

Switching Recirculated Air On and Off



Touch the button to switch between outside air and recirculated air.

The air currently in the passenger compartment recirculates. This may reduce the time needed to cool the interior, when used with **A/C**, and reduce unwanted odors from entering your vehicle.

Note: Recirculated air may turn off, or prevent you from switching on, in all air flow modes except **MAX A/C** to reduce the risk of fogging. Recirculation may also turn on and off in various air distribution control combinations during hot weather to improve cooling efficiency.

Switching the Ventilated Seats On and Off



Touch the button to cycle through the various ventilated seat settings.

Accessing Rear Climate Controls



Touch the button to access additional controls for the rear climate system.

Rear Climate Control Lock Indicator



Touch the button.

When on, you can only operate the rear passenger settings through the front controls.

Switching Rear Auto Mode On and Off



Touch the button to switch on rear automatic operation, then set the temperature.

Switching the Rear Climate Controlled Seats On and Off



Touch the button to cycle through the various climate controlled seat settings.

Switching the Rear Heated Seats On and Off



Touch the button to cycle through the various heat settings.

Switching the Rear Ventilated Seats On and Off



Touch the button to cycle through the various ventilated seat settings.

PHONE



WARNING: Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

Check the compatibility of your device on the regional website.

Pairing Your Cell Phone for the First Time

Go to the settings menu on your cell phone and switch Bluetooth on.



Select the phone option on the feature bar.

1. Select **Add Phone**.

Note: A prompt alerts you to search for your vehicle on your cell phone.

2. Select your vehicle on your cell phone.

Note: A number appears on your cell phone and on the touchscreen.

3. Confirm that the number on your cell phone matches the number on the touchscreen.

Note: The touchscreen indicates that you have successfully paired your cell phone.

4. Download the phonebook from your cell phone when you are prompted.

Note: If you pair more than one cell phone, use the phone settings to specify the primary phone. You can change this setting at any time.

Using Your Cell Phone

Recent Call List

Display and select an entry from a list of previous calls.

Contacts

Display a smart search form to look up your contacts. Use the List button to alphabetically sort your contacts.

Change Device

Display the list of paired or connected devices that you can select.

Phone Settings

Change ring tones, alerts or pair another phone.

Do Not Disturb

Reject incoming calls and switch ring tones and alerts off.

Phone Keypad

Directly dial a number.

Mute

Mute the microphone.

Text Messaging

Setting Text Message Notification

iOS

1. Go to the settings menu on your cell phone.
2. Select Bluetooth.
3. Select the information icon to the right of your vehicle.
4. Switch text message notification on.

Android

1. Go to the settings menu on your cell phone.
2. Select Bluetooth.
3. Select the profiles option.
4. Select the phone profile.
5. Switch text message notification on.

Using Text Messaging

Menu Item	Description
Hear It	Hear the text message.
View	View the text message.
Call	Call the sender.
Reply	Reply to the text message with a standard text message.

Apple CarPlay (If Equipped)

1. Connect your device to a USB port.
2. Follow the instructions on the touchscreen.

Note: Certain features of the system are not available when you are using Apple CarPlay.

Switching Apple CarPlay Off



Select the settings option on the feature bar.

1. Select **Apple CarPlay Preferences**.
2. Switch **Apple CarPlay** off.

Android Auto (If Equipped)

1. Connect your device to a USB port.
2. Follow the instructions on the touchscreen.

Note: You might need to enable Android Auto from the settings menu.

Note: Certain features of the system are not available when you are using Android Auto.

Switching Android Auto Off



Select the settings option on the feature bar.

1. Select **Android Auto**.

2. Switch **Android Auto** off.

NAVIGATION (IF EQUIPPED)

Note: For more information, refer to our website.



Select the navigation option on the feature bar.



- A Map view menu.
- B Zoom out.
- C Zoom in.
- D Route guidance menu.
- E Destination entry menu.

Setting a Destination

Destination Entry Menu

Item	Description
Search	Enter a destination address.
Previous Destinations	Display and select from a list of previous destinations.
Home	Set your saved home address as your destination
Work	Set your saved place of work as your destination.
Favorites	Display and select from a list of favorite destinations.

Setting a Destination Using the Text Entry Screen



- A Text entry field.
- B Automatic suggestions based on the text you enter.
- C Information icon.

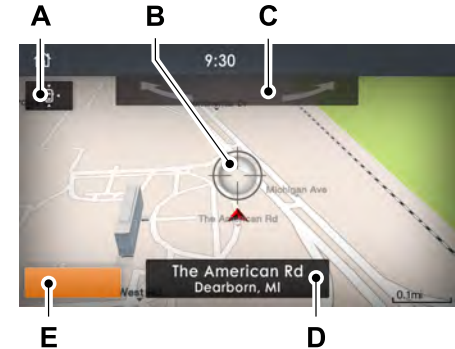
- D Search.
- E Keyboard settings.

Note: Select one of the suggestions to copy the detail to the text entry field.

You can search by entering all or part of the destination, such as the Address, POI Category or Name, Intersection, City, Latitude/Longitude, etc. Tips: If you do not specify a location, the system will use the current vehicle location. You can specify a location by address, city, state or zip code. For additional search support, please visit: owner.lincoln.com.

Note: Press the button in the top right-hand corner of the main map to display estimated time of arrival, remaining travel time or distance to destination.

Setting a Destination Using the Map Screen



- A Re-center the map.
- B Selected location.
- C 3D map rotation. Swipe left or right.
- D Destination name.
- E Start route guidance.

Select the location on the map.

Select **Start** to begin route guidance.

Changing the Format of the Map

Display the map in one of the following formats:

- A two-dimensional map with the direction you are traveling toward the top of the screen.
- A two-dimensional map with north toward the top of the screen.
- A three-dimensional map with the direction you are traveling toward the front.

Zoom

Display more or less detail on the map.

Note: You can use pinch gestures to zoom in and out. Place two fingers on the screen and move them apart to zoom in. Place two fingers on the screen and bring them together to zoom out.

Route Guidance



- A Turn indicator. Select to hear the last voice prompt.
- B Point of interest.

- C Estimated time of arrival, distance to destination or time to destination.
- D Current road.
- E Mute guidance prompts.

Note: To change guidance prompt volume, turn the volume control when a guidance prompt plays.

Route Guidance Menu

Menu Item	Description
Screen View	Adjust your map preferences for when route guidance is active.
Full Map	View a full screen map when route guidance is active.
Highway Exit Info	View highway exit information for your current route.
Turn List	View the turn list for your current route. Select a road to avoid it.
Traffic List	You can find the SiriusXM Traffic and Travel Link information by pressing this button. This information requires an active subscription to SiriusXM Traffic and Travel Link. When a route is not active, a list of nearby traffic incidents displays. When a route is active, you can choose to display a list of traffic nearby or on the route.
Navigation Settings	Adjust navigation settings. See Settings (page 437).
Where Am I?	View information about your current location.
Cancel Route	Cancel route guidance.
View Route	View the entire current route on the map.
Detour	View an alternative route compared to your current one.
Edit Waypoints	Change the order or remove waypoints.
Optimize Order	The system determines the order of waypoints for you.
Go	Go to the next screen and start the new route.

Adjusting the Guidance Prompt Volume

Turn the volume control when a guidance prompt plays to adjust the volume.

Note: If you have inadvertently adjusted the volume to zero, press the turn indicator button to play the last voice prompt and then adjust the volume to the desired level.

Muting Guidance Prompts



Select the mute option on the screen to mute guidance prompts.

Note: The system mutes the next and all future guidance prompts.

Adding Waypoints

You can add a waypoint to a navigation route as a destination along your route. You can add up to five waypoints.

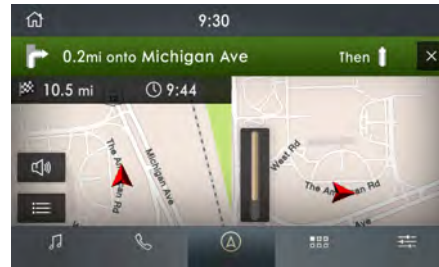
1. Select the search option on the map.
2. Set a destination.
3. Select **Add Waypoint**.
4. Select **Go**.

Canceling Route Guidance



Select the route guidance menu option on the active guidance screen.

Select **Cancel Route**.



Note: The route guidance menu option is always in the bottom right-hand corner of the main map.

cityseeker (If Equipped)

Note: cityseeker point of interest (POI) information is limited to approximately 1,110 cities (1,049 in the United States, 36 in Canada and 15 in Mexico).



E225487

cityseeker, when available, is a service that provides more information about certain points of interest such as restaurants, hotels and attractions.

When you have selected a point of interest, the location and information appear, such as address, phone number and a star rating.

Press **More Information** to see a photo, a review, a list of services and facilities, the average room or meal price and the web address. This screen displays the point of interest icons.

For restaurants, cityseeker can provide information such as star rating, average cost, review, handicap access, hours of operation, and website address.

For hotels, cityseeker can provide information such as star rating, price category, review, check-in and checkout times, hotel service icons and website address. Hotel service icons include:

- Restaurant
- Business center
- Handicap facilities
- Laundry
- Refrigerator
- 24 hour room service
- Fitness center
- Internet access
- Pool
- Wi-Fi

Attractions include nearby landmarks, amusement parks, historic buildings and more. cityseeker can provide information such as star rating, reviews, hour of operation and admission price.

SiriusXM Traffic and Travel Link (If Equipped)

SiriusXM Traffic and Travel Link is available on vehicles equipped with navigation and only in select markets. You must activate and subscribe to receive SiriusXM Traffic and Travel Link information. It helps you locate the best gas prices, find movie listings, get current traffic alerts, view the weather map, get accurate ski conditions and see current sports scores.

The system calculates a reasonable efficient route based on available speed limits, traffic, and road conditions. You may know a local short cut that is more efficient at a given time than the route provided by SYNC 3, but you should expect a slight difference in minutes or miles with the SYNC 3 route.

Michelin Travel Guide (If Equipped)

The Michelin travel guide is a service which provides additional information about certain places of interest, for example restaurants, hotels and tourist sites. Points of interest that have Michelin travel guide information display a button to show you more information. Push the button to see the additional information. If you have paired your phone with the system, you can press the phone button to directly establish a call with the selected point of interest.

Navigation Map Accuracy and Updates

HERE is the digital map provider for the navigation application. If you find map data errors, you may report them directly to HERE by going to www.here.com. HERE evaluates all reported map errors and responds with the result of their investigation by e-mail.

The navigation system map data may contain inaccurate or incomplete information due to the passage of time, changing circumstances, sources used and the nature of collecting comprehensive geographic data, any of which may lead to incorrect results. Inaccurate speed limit information, turn restrictions and other road attributes may affect the determined route and associated guidance

Annual navigation map updates are available for purchase through your dealership. Depending on your purchase agreement, you might be eligible for free Map update. You can choose to download the Map data update onto a USB, order a USB, or use Wi-Fi to deliver automatic updates. To update your Map data over Wi-Fi, your vehicle must be connected to a Wi-Fi access point. Map Data files are large, so it is highly recommended to perform the update when free Wi-Fi is

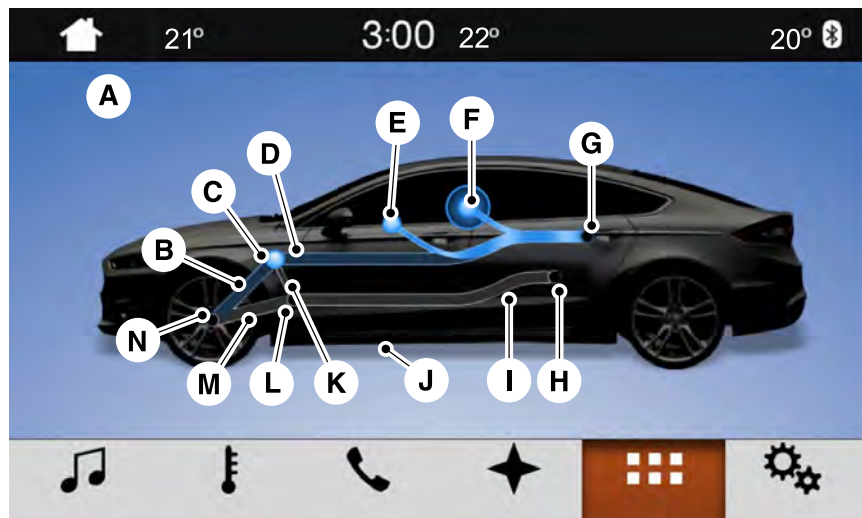
available otherwise high data rates may apply. For USB updates, free map update eligibility, and other details, contact dealers at 1-866-462-8837 in the United States and Canada or 01-800-557-5539 in Mexico or visit our local website for more information.

ELECTRIC VEHICLE INFORMATION

Power Flow



The power flow information for your Hybrid vehicle is available through the Apps section of the touch screen.



E241957

Callout	Item	Description
A	Power Flow	This indicates which mode is active within the vehicle system.
		Menu Item Action and Description
		Status: Hybrid Drive The electric motor and gasoline engine are powering the vehicle.
		Status: Charging HV Battery The hybrid system is storing power in the high-voltage battery.
		Status: Idle The vehicle is either at rest, or sharing very little power between the electric system parts.
		Status: Electric Drive The vehicle is driving in electric mode (the power is coming from the electric motor). The gasoline engine is off in this mode.
B	Motor-to-Wheel Flow	Shows the direction of power flow between the wheels and the electric motor.
C	Electric Motor	Represents the hybrid electric motor. The higher the motor power is, the larger the circle around this node. Any time the vehicle is ready to be driven, the motor node illuminates.
D	Battery-to-Motor Flow	Shows the direction of power flow between the high-voltage battery and the electric motor. Flow toward the motor indicates the battery is providing power to accelerate the vehicle (discharging the battery). Flow toward the battery indicates the electric motor is providing power to the battery (charging the battery).

Callout	Item	Description
E	Other ²	Includes all power usage from the low voltage accessories such as the climate control fan, headlights and heated seats. The higher the power usage is from these accessories, the larger the circle around the node. This node illuminates anytime the vehicle is on since there is always some low level power in use.
F	Climate ^{2,3}	Includes the power usage from the high-voltage climate control components such as the electric A/C compressor. The higher the power usage is from these components, the larger the circle around this node.
G	Battery	Represents your high-voltage battery. A circle illuminates around the node when the high-voltage battery is receiving power from regenerative braking or engine charging. The higher the power going into the high-voltage battery, the larger the circle around this node.
H	Fuel	Represents the fuel tank in the vehicle.
I	Fuel-to-Engine Flow	Shows flow from the fuel tank to the engine when the engine is on and using fuel (there are some cases where the engine is on, but not using any fuel). When the engine is on, but not using fuel, the engine node is active, but the fuel flow path is off. An example of this is when your foot is off the accelerator pedal and the vehicle is traveling at a high speed.
J	Engine On due to:	Provides you with the reason(s) the gasoline engine is on. When the gasoline engine is off, this display does not appear. Engine On due to reasons displayed by the system are in a chart following this list.

Callout	Item	Description
K	Motor-to-Engine Flow	Shows the direction of power flow between the engine and the electric motor. The direction indicates if the engine is providing power to the high-voltage electrical system, or if the high-voltage electrical system is providing power to control or start the engine.
L	Engine	Represents the gasoline engine. It illuminates only when the gasoline engine is on. The higher the engine power is, the larger the circle around this node.
M	Engine-to-Wheels Flow	Shows the direction of the power flow between the engine and the wheels.
N	Drive	Represents the power going to the wheels. The higher the wheel power is, the larger the circle around this node. When the engine is off, drive power displays in blue. When the engine is on, drive power displays in grey.

¹ The battery-to-motor flow includes battery power the vehicle is using for acceleration. It does not include energy the vehicle is using for accessories (such as air conditioning, headlights and radio). This screen displays accessories and climate usage separately.

² **Accessories** indicates electrical power demands from your vehicle's accessory systems. Accessories use power but do not contribute to making the vehicle move. The power flow displays power usage from the climate control system and other accessories separately.

³ The climate control system may determine A/C is necessary even when you turn it off. In this case, you may see some climate power when the A/C is off.

Engine On due to	
Heater Setting	The engine is on because of the heater setting. Reduce or turn off the heater setting to return to electric mode.
High Speed	The engine is on because the vehicle speed exceeds the level for electric mode operation. Reduce the speed to return to electric mode.
Drive Power	The engine is on when applying pressure to the accelerator pedal or switching on the speed control. Reduce pressure on the accelerator pedal or switch off the speed control to return to full electric mode.
Neutral Gear	The engine is on because the vehicle is in neutral gear. Shift out of neutral gear to return to electric mode.
Low Gear	The engine is on because the vehicle is in low gear. Shift out of low gear to return to electric mode.
Battery Charging	The engine is on to charge the high-voltage battery. The vehicle returns to electric mode once the battery is charged.
Normal Operation	The engine is on to optimize vehicle operation. The vehicle returns to electric mode when possible.
Engine Braking Active	The engine is on to provide increased powertrain braking. This can occur when you turn on the grade assist feature, when speed control is on or when driving with your foot off the accelerator pedal. Turning off grade assist or speed control may allow the vehicle to return to electric mode.

APPS

The system allows you interact with select mobile apps while keeping your eyes on the road. Voice commands, your steering wheel buttons, or a quick tap on your touchscreen give you advanced control of compatible mobile apps. You can also stream your favorite music or podcasts, share your time of arrival with friends, and keep connected safely.

When you start an app through the system for the first time, you could be asked to grant certain permissions. You can review and change the permissions that you have granted at any time when your vehicle is not moving. We recommend that you check your data plan before using your apps through the system. Using them could result in additional charges. We also recommend that you check the app provider's terms and conditions and privacy policy before using

their app. Make sure that you have an active account for apps that you want to use through the system. Some apps will work with no setup. Others require you to configure some personal settings before you can use them.

Note: For more information about available apps, visit catalog.ford.com.

Using Apps on an iOS Device



Select the apps option on the feature bar.

1. If your device is connected via USB, switch Apple CarPlay off. See **Phone** (page 419).
2. Connect your device to a USB port or pair and connect using Bluetooth.
3. If prompted to enable CarPlay, select **Disable**.
4. Start the apps on your device that you want to use through SYNC.

Note: If you close the apps on your device, you will not be able to use them through the system.

5. Select the app that you want to use on the touchscreen.

Note: Connect your device to a USB port if you want to use a navigation app. When using a navigation app, keep your device unlocked and the app open.

Using Apps on an Android Device



Select the apps option on the feature bar.

1. If your device is connected via USB, switch Android Auto off. See **Phone** (page 419).
2. Pair your device. See **Phone** (page 419).
3. Start the apps on your device that you want to use through SYNC.

Note: If you close the apps on your device, you will not be able to use them through the system.

4. Select **Find Mobile Apps**.

Note: The system searches and connects to compatible apps that are running on your device.

5. Select the app that you want to use on the touchscreen.

Note: Mobile Apps on your device use the USB port to establish a connection with SYNC. Some devices may lose the ability to play music over USB when Mobile Apps are enabled.

Using Mobile Navigation on an Android Device

1. Connect your device to a USB port.
2. Switch Android Auto off. See **Phone** (page 419).
3. Switch on **Enable Mobile Apps via USB** in the Mobile Apps Settings tile.
4. Select the apps option on the feature bar.
5. Select the navigation app that you want to use on the touchscreen.

Note: When using a navigation app, keep your device unlocked and the app open.

SiriusXM Traffic and Travel Link (If

Equipped)



WARNING: Driving while distracted can result in loss of vehicle control, crash and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

Note: SiriusXM Traffic and Travel Link may not be available in all markets.

Note: In order to use SiriusXM Traffic and Travel Link, your vehicle must have navigation.

Note: A paid subscription is required to access and use these features. Go to www.siriusxm.com/travellink for more information.

Note: Visit www.siriusxm.com/traffic and click on Coverage map and details for a complete listing of all traffic areas covered by SiriusXM Traffic and Travel Link.

Note: Neither Sirius nor Ford is responsible for any errors or inaccuracies in the SiriusXM Traffic and Travel Link services or its use in vehicles.

When you subscribe to SiriusXM Traffic and Travel Link, it can help you locate the best gas prices, find movie listings, get current traffic alerts, view the current weather map, get accurate ski conditions and see scores to current sports games.

Menu Item	Action and Description	
Traffic on Route	Touch these buttons to identify traffic incidents on your route, near your vehicle's current location or near any of your favorite places, if programmed.	
Traffic Nearby		
Fuel Prices	Touch this button to view fuel prices at stations close to your vehicle's location or on an active navigation route.	
Movie Listings	Touch this button to view nearby movie theaters and their show times, if available.	
Weather	Touch this button to view the nearby weather, current weather, or the five-day forecast for the chosen area.	
	Map	Select to see the weather map, which can show storms, radar information, charts and winds.
	Area	Select to choose from a listing of weather locations.
Sports Info	Touch this button to view scores and schedules from a variety of sports. You can also save up to 10 favorite teams for easier access. The score automatically refreshes when a game is in progress.	
Ski Conditions	Touch this button to view ski conditions for a specific area.	

SETTINGS



Press the button to enter the settings menu.



Once you select a tile, press the button next to a menu item to view an explanation of the feature or setting.

Sound

Select this tile to adjust the sound settings.

Clock

Select this tile to adjust the clock settings.

Bluetooth

Select this tile to switch Bluetooth on and off and adjust settings.

Phone

Select this tile to connect, disconnect, and manage the connected device settings.

Audio

Select this tile to adjust the audio settings.

Driver Assist (If Equipped)

Select this tile to adjust Driver Assist features like Parking Aids, Lane Keeping system, Pedestrian Detection, and Auto-Start-Stop.

Vehicle

Select this tile to adjust vehicle settings like windows, alarm, lighting, backup starting passcode, and MyKey settings.

Lincoln Way

Select this tile to adjust the Lincoln Way settings.

General

Select this tile to adjust settings like language, measurement units, or to reset the system.

911 Assist (If Equipped)

Select this tile to switch 911 Assist on and off.

Automatic Updates

Select this tile to adjust automatic update settings.

Mobile Apps

Select this tile to adjust permissions, enable, disable, and update mobile apps.

Display

Select this tile to adjust display settings like brightness and auto dim.

Charge Settings (If Equipped)

Select this tile to adjust the electric vehicle charge setting.

Voice Control

Select this tile to adjust voice control settings like command confirmations and displayed lists.

Navigation (If Equipped)

Select this tile to adjust navigation settings like map preferences and route guidance.

Multi Contour Seats (If Equipped)

Select this tile to adjust the position and massage function of your multi contour seats.

Seats (If Equipped)

Select this tile to adjust the lumbar function of your seat.

Message Center (If Equipped)

Select this tile to view vehicle messages.

Personal Profiles (If Equipped)

Select this tile to adjust recalled memory features when using personal profiles.

Valet Mode (If Equipped)

Select this tile to enable and disable valet mode.

Ambient Lighting (If Equipped)

Select this tile to change the color or intensity of the interior lighting.

SYNC™ 3 TROUBLESHOOTING

Voice Recognition

Symptom	Possible Cause and Resolution
The system does not understand what I am saying.	<div><div>– You are using the wrong voice commands.<ul style="list-style-type: none">• See Using Voice Recognition (page 392).• For a complete list of voice commands, refer to our website.</div><div>– You are speaking too soon.<ul style="list-style-type: none">• Wait for the voice prompt before you speak.</div></div>

Symptom	Possible Cause and Resolution
The system does not understand the name of a track or artist.	<ul style="list-style-type: none"> – Device limitation. Bluetooth does not support voice commands. <ul style="list-style-type: none"> • Connect your device to a USB port. • If you have an iOS device, press and hold the voice control button on the steering wheel to use Siri to play specific tracks. – You are using the wrong voice commands. <ul style="list-style-type: none"> • See Using Voice Recognition (page 392). • For a complete list of voice commands, refer to our website. – You are not saying the name exactly as it appears on your device. <ul style="list-style-type: none"> • Say the name of the track or artist exactly as it appears on your device. Spell out any abbreviations in the name. <p>The song or artist name may have some special characters that are not being recognized by the system.</p> – The name contains special characters, for example *, - or +. <ul style="list-style-type: none"> • Rename the files on your device or use the touchscreen to select and play the track.
The system does not understand the name of a contact in the phonebook on my device and calls the wrong contact.	<ul style="list-style-type: none"> – You are not saying the name exactly as it appears on your device. <ul style="list-style-type: none"> • Say the first and last name of the contact exactly as it appears on your device. Spell out any abbreviations in the name. – The name contains special characters, for example *, - or +. <ul style="list-style-type: none"> • Rename the contact on your device or use the touchscreen to select and call the contact.

Symptom	Possible Cause and Resolution
The system does not understand foreign names of contacts in the phonebook on my device.	<ul style="list-style-type: none"> - You are not saying the name exactly as it appears on your device. <ul style="list-style-type: none"> • Say the first and last name of the contact exactly as it appears on your device. The system applies phonetic pronunciation rules of the selected language to the names of contacts in the phonebook on your device. Select the name of the contact on the touchscreen and use the Hear it option to get an idea of how the system expects you to pronounce it.
The system voice prompts and the pronunciation of some words does not seem to be very accurate.	<ul style="list-style-type: none"> - Device limitation. <ul style="list-style-type: none"> • The system uses text-to-speech technology and uses a synthetically generated voice rather than pre-recorded human voice.

USB and Bluetooth Audio

Symptom	Possible Cause and Resolution
I cannot connect my device.	<ul style="list-style-type: none"> - Device malfunction. <ul style="list-style-type: none"> • Disconnect your device. Switch your device off, reset it and try again. - Cable connection issue. <ul style="list-style-type: none"> • Correctly connect the cable to your device and the vehicle USB port. - Incompatible cable. <ul style="list-style-type: none"> • Use the cable recommended by the manufacturer of your device.

Symptom	Possible Cause and Resolution
	<ul style="list-style-type: none"> – Incorrect device settings. <ul style="list-style-type: none"> • Make sure that your device does not have an auto-install program or active security settings. • Check that your device is not set only to charge. – Device lock screen enabled. <ul style="list-style-type: none"> • Unlock your device before connecting it.
The system does not recognize my device.	<ul style="list-style-type: none"> – Device limitation. <ul style="list-style-type: none"> • Do not leave your device in your vehicle during very hot or very cold weather conditions. – Cable connection issue. <ul style="list-style-type: none"> • Correctly connect the cable to your device and the vehicle USB port. – Incompatible cable. <ul style="list-style-type: none"> • Use the cable recommended by the manufacturer of your device.
The system does not understand the name of a track or artist.	<ul style="list-style-type: none"> – Device limitation. Bluetooth does not support voice commands. <ul style="list-style-type: none"> • Connect your device to a USB port. • If you have an iOS device, press and hold the voice control button on the steering wheel to use Siri to play specific tracks.

Symptom	Possible Cause and Resolution
I cannot stream audio from my Bluetooth device.	<ul style="list-style-type: none"> – Incompatible device. <ul style="list-style-type: none"> • Check the compatibility of your device on our website. – Device not connected. <ul style="list-style-type: none"> • Pair your device. See Phone (page 419). – Media player not running. <ul style="list-style-type: none"> • Start the media player on your device.
The system does not recognize the music on my device.	<ul style="list-style-type: none"> – Missing or incorrect audio file metadata, for example artist, song title, album or genre. <ul style="list-style-type: none"> • Repair the files on your device. – Corrupt files. <ul style="list-style-type: none"> • Repair the files on your device. – Copyright protected files. <ul style="list-style-type: none"> • Use a device that contains files that are not copyright protected. – Unsupported file format. <ul style="list-style-type: none"> • Repair or convert the files to a supported format. See Entertainment (page 404). – Device indexing required. <ul style="list-style-type: none"> • Re-index your device. See Settings (page 437). – Device lock screen enabled. <ul style="list-style-type: none"> • Unlock your device before connecting it.

Symptom	Possible Cause and Resolution
Sometimes I cannot hear a track playing on my device.	<ul style="list-style-type: none"> – Device malfunction. <ul style="list-style-type: none"> • Disconnect your device. Switch your device off, reset it and try again.
When I disconnect my iOS device the audio volume is set to maximum.	<ul style="list-style-type: none"> – Device limitation. <ul style="list-style-type: none"> • Turn the volume down on your device
The system does not play the tracks on my USB drive in the correct order.	<p>If the system does not play the tracks on your USB device in the correct order, the following information could help:</p> <ul style="list-style-type: none"> – If you are selecting USB as the audio source when the system is still indexing, SYNC plays tracks sorted alphabetically by file name in the root directory. – If you are selecting USB as the audio source after the system has finished indexing, SYNC plays all tracks sorted alphabetically by the title in the ID3 tag regardless of where they are located. SYNC uses the file name if the title in the ID3 Tag does not exist. – If you are selecting the option to play all tracks from the browsing menu, SYNC plays all tracks sorted alphabetically by the title in the ID3 tag regardless of where they are located. SYNC uses the file name if the title in the ID3 Tag does not exist. – If you are selecting a track when using the explore device option, SYNC plays tracks sorted alphabetically by file name in the folder you have selected. SYNC then plays all tracks in any subfolders in the folder you have selected.

Phone

Symptom	Possible Cause and Resolution
During a call, I can hear excessive background noise.	<ul style="list-style-type: none"> – Incorrect cell phone settings. <ul style="list-style-type: none"> • Check and adjust the audio settings on your cell phone. Refer to your cell phone's user manual.
During a call, I can hear the other person but they cannot hear me.	<ul style="list-style-type: none"> – Cell phone malfunction. <ul style="list-style-type: none"> • Switch your cell phone off, reset it and try again. – Cell phone microphone muted. <ul style="list-style-type: none"> • Unmute your cell phone microphone.
During a call, I cannot hear the other person and they cannot hear me.	<ul style="list-style-type: none"> – System restart required. <ul style="list-style-type: none"> • Restart the system. Switch the ignition off and open the door. Close the door and lock the vehicle. Wait until the touchscreen is off and any illuminated USB ports are not illuminated. Unlock the vehicle, switch the ignition on and try again.
I cannot download phonebook.	<ul style="list-style-type: none"> – Incompatible cell phone. <ul style="list-style-type: none"> • Check the compatibility of your cell phone on our website. – Incorrect cell phone settings. <ul style="list-style-type: none"> • Allow the system to retrieve contacts from your cell phone. Refer to your cell phone's user manual.

Symptom	Possible Cause and Resolution
	<ul style="list-style-type: none"> – Incorrect system settings. <ul style="list-style-type: none"> • Switch automatic phonebook download on. See Settings (page 437). – Cell phone malfunction. <ul style="list-style-type: none"> • Switch your cell phone off, reset it and try again.
A message displays suggesting that my phonebook has downloaded but it is empty or it has missing contacts.	<ul style="list-style-type: none"> – Incorrect cell phone settings. <ul style="list-style-type: none"> • Allow the system to retrieve contacts from your cell phone. Refer to your cell phone's user manual. • Check the location of the missing contacts on your cell phone. If they are stored on the SIM card, move them to the cell phone memory. – Incorrect system settings. <ul style="list-style-type: none"> • Switch automatic phonebook download on. See Settings (page 437).

Symptom	Possible Cause and Resolution
I cannot connect my cell phone.	<ul style="list-style-type: none"> – Incompatible cell phone. <ul style="list-style-type: none"> • Check the compatibility of your cell phone on our website. – Cell phone malfunction. <ul style="list-style-type: none"> • Switch your cell phone off, reset it and try again. • Install the latest cell phone firmware. • Delete your device from system and delete SYNC from your device and try again. • Switch automatic phonebook download off. See Settings (page 437).
Text messaging does not work.	<ul style="list-style-type: none"> – You did not switch on text message notifications. <ul style="list-style-type: none"> • Switch text message notifications on. See Phone (page 419). – Incompatible cell phone. <ul style="list-style-type: none"> • Check the compatibility of your cell phone on our website. – Cell phone malfunction. <ul style="list-style-type: none"> • Switch your cell phone off, reset it and try again.
I cannot hear text messages.	<ul style="list-style-type: none"> – Device message sharing is not enabled. <ul style="list-style-type: none"> • Check the permissions on your device to ensure text message sharing is enabled. – Incompatible cell phone. <ul style="list-style-type: none"> • Check the compatibility of your cell phone on our website.

Navigation (If Equipped)

Symptom	Possible Cause and Resolution
I cannot enter a street name when I am abroad.	<ul style="list-style-type: none"> – Incorrect entry method. <ul style="list-style-type: none"> • Enter the street name with the country.
The system does not recognize coordinates.	<ul style="list-style-type: none"> – You are using the wrong coordinates format. <ul style="list-style-type: none"> • Use the format ##. #####, ##. ##### (for N/S , E/W). Add a minus before coordinates if the direction is West and keep a positive value if the direction is East, for example 12.5412 means East and -12.5412 means West.

Apps

Symptom	Possible Cause and Resolution
The system cannot find any apps.	<ul style="list-style-type: none"> – Incompatible device. <ul style="list-style-type: none"> • You will need an Android device with OS 4.3 or higher or an iOS device with iOS 8.0 or higher. Pair and connect your Android device to find AppLink compatible apps. Connect your iOS device to a USB port or pair and connect using Bluetooth.
I have a compatible device and it is correctly connected but the system still cannot find any apps.	<ul style="list-style-type: none"> – AppLink compatible apps not installed on your device. <ul style="list-style-type: none"> • Download and install the latest version of the app. – AppLink compatible apps not running on your device. <ul style="list-style-type: none"> • Start the apps to allow the system to find them and make sure you sign in to any apps if required. – Incorrect app settings. <ul style="list-style-type: none"> • Check and adjust the app settings on your device and allow SYNC to access the app if required.
I have a compatible device, it is correctly connected and my apps are running but the system still cannot find any apps.	<ul style="list-style-type: none"> – Apps failed to fully close. <ul style="list-style-type: none"> • Restart the apps and try again. • If you have an Android device with apps that have an exit or quit option, use this and then restart the apps. Alternatively, use the force stop option in the settings menu on your device. • If you have an iOS device with iOS 7.0 or higher, tap the home button on your device twice and then swipe the app upward to close it.

Symptom	Possible Cause and Resolution
I have an Android device that is correctly connected, I have restarted my apps and they are running but the system still cannot find them.	<ul style="list-style-type: none"> – An issue on some older versions of the Android operating system could result in apps not being found. <ul style="list-style-type: none"> • Switch Bluetooth off and on again to force the system to reconnect to your device.
I have an iOS device that is correctly connected, I have restarted my apps and they are running but the system still cannot find them.	<ul style="list-style-type: none"> – Cable connection issue. <ul style="list-style-type: none"> • Disconnect the cable from your device, wait for a moment and then connect it again to force the system to reconnect to your device.
I have an Android device running a media app which the system has found but I cannot hear the sound or the sound is very quiet.	<ul style="list-style-type: none"> – Device volume is low. <ul style="list-style-type: none"> • Turn the volume up on your device.
I have an Android device running a number of compatible apps but the system cannot find all of them.	<ul style="list-style-type: none"> – Device limitation. Some Android devices have a limited number of Bluetooth ports that apps can use to connect. If you have more apps running on your device than the number of available Bluetooth ports, the system cannot find all of them. <ul style="list-style-type: none"> • Close some of the apps to allow the system to find those that you want to use.

Wi-Fi Connectivity

Symptom	Possible Cause and Resolution
I cannot connect to a Wi-Fi network.	<ul style="list-style-type: none"> – Password error. <ul style="list-style-type: none"> • Enter the correct network password. – Weak network signal. <ul style="list-style-type: none"> • Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed. – Multiple access points in range with the same SSID. <ul style="list-style-type: none"> • Use a unique name for your SSID,. Do not use the default name unless it contains a unique identifier, for example as part of the MAC address.
The Wi-Fi connection disconnects after successful connection.	<ul style="list-style-type: none"> – Weak network signal. <ul style="list-style-type: none"> • Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed.
I am close to a Wi-Fi hotspot but the network signal strength is weak.	<ul style="list-style-type: none"> – Obstructed network signal. <ul style="list-style-type: none"> • If your vehicle has a heated windshield, position your vehicle so that the windshield is not facing the Wi-Fi hotspot. • If your vehicle has metallic tinting on the windows but not on the windshield, position your vehicle so that the windshield is facing the Wi-Fi hotspot or open the windows that are facing the hotspot. • If your vehicle has metallic tinting on the windows and the windshield, open the windows that are facing the hotspot.

Symptom	Possible Cause and Resolution
	<ul style="list-style-type: none"> If your vehicle is in a garage and you have the garage door closed, open the garage door.
I cannot see a network in the list of available networks that I expect to see.	<ul style="list-style-type: none"> Hidden network. <ul style="list-style-type: none"> Make the network visible and try again.
I cannot see SYNC when I search for Wi-Fi networks on my cell phone or other device.	<ul style="list-style-type: none"> System limitation. <ul style="list-style-type: none"> SYNC does not provide a Wi-Fi hotspot at this time.
Software downloads take too long.	<ul style="list-style-type: none"> Weak network signal <ul style="list-style-type: none"> Move your vehicle closer to the Wi-Fi hotspot or to a place where the network signal is not obstructed. Wi-Fi hotspot in high demand or has a slow Internet connection. <ul style="list-style-type: none"> Use a more reliable Wi-Fi hotspot.
The system seems to connect to a Wi-Fi network and the signal strength is excellent but the software does not update.	<ul style="list-style-type: none"> No software update available. Wi-Fi network requires a subscription or acceptance of terms and conditions. <ul style="list-style-type: none"> Test the connection using another device. If the network requires a subscription or acceptance of terms and conditions, contact the network service provider.

Personal Profiles (If Equipped)

Symptom	Possible Cause and Solution
I cannot create a profile.	You have not set up Personal Profiles.
	You entered an invalid profile.
	You did not select a memory button when prompted.
	You did not have the ignition on or in park (P), or you shifted out park (P) when creating a profile.
	Personal Profiles has been switched off.
I cannot link a remote control.	You did not select the lock button on the remote control.
	The remote control selected was already associated with another profile and the system declined to overwrite.
	The system performed a profile recall when linking a remote control.
	You did not have the ignition on or in park (P), or you shifted out park (P) when creating a profile.
	You are using the old linking method.
My personalized settings do not save.	Personal Profiles does not support your unsaved settings.
	A different personal profile is active.
	Another user changed the settings for the wrong personal profile.

Symptom	Possible Cause and Solution
My profile will not recall.	You did not create a personal profile.
	Personal Profiles is turned off.
	The profile you requested is already active.
	You did not link the memory button you are using to a profile.
	You did not link the remote control you are using to a profile.
	You are using the wrong remote control.
	You are pressing a button other than the unlock or remote start on a linked remote control.
	You deleted the personal profile.
My preset positions recall, but my profile does not.	You switched the personal profiles off.
My profile recalls but my preset positions do not.	The vehicle is in motion.
	The preset positions are the same as the guest or previously active profile.
I lost a remote control.	Unlink and relink your remote control in the Personal Profiles menu. You may need to see your authorized dealer.
I lost all profiles.	You erased and reprogrammed the remote controls. This could happen if you let a dealership add a new remote control to replace a lost one.
	Someone performed a master reset without your knowledge.

Resetting the System

1. Simultaneously press and hold the seek up and the audio unit power buttons until the screen goes black.
2. Wait three minutes to allow the system to complete the reset.
3. Press the audio unit power button to switch the system on.

Note: *You can reset the system to restore functionality that has stopped working. The system reset is designed to restore functionality and not delete any data that you have stored.*

Additional Information and Assistance

For additional information and assistance, we recommend that you contact an authorized dealer or refer to our website.

Accessories

For a complete listing of the accessories that are available for your vehicle, please contact your authorized dealer or visit the online store website:

Web Address (United States)
www.Accessories.Lincoln.com

Web Address (Canada)
www.LincolnCanada.com

We will repair or replace any properly authorized dealer-installed Lincoln Original Accessory found to be defective in factory-supplied materials or workmanship during the warranty period, as well as any component damaged by the defective accessories.

We will warrant your Lincoln Original Accessory through the warranty that provides the greatest benefit:

- 24 months, unlimited mileage.
- The remainder of your new vehicle limited warranty.

*Lincoln Licensed Accessory. The accessory manufacturer designs, develops and therefore warrants Lincoln Licensed Accessories, and does not design or test these accessories to Lincoln Motor Company engineering requirements. Contact an authorized Lincoln dealer for the accessory manufacturer's limited warranty details and request a copy of the Lincoln Licensed Accessories product limited warranty from the accessory manufacturer.

For maximum vehicle performance, keep the following information in mind when adding accessories or equipment to your vehicle:

- When adding accessories, equipment, passengers and luggage to your vehicle, do not exceed the total weight capacity of the vehicle or of the front or rear axle (GVWR or GAWR as indicated on the Safety Compliance Certification label). Ask an authorized dealer for specific weight information.
- The Federal Communications Commission (FCC) and Canadian Radio Telecommunications Commission (CRTC) regulate the use of mobile communications systems that have radio transmitters, for example two-way radios, telephones and theft alarms. Any such equipment installed in your vehicle should comply with Federal Communications Commission (FCC) and Canadian Radio Telecommunications Commission (CRTC) regulations and should only be installed by an authorized dealer.

Accessories

- Mobile communications systems may harm the operation of your vehicle, particularly if their manufacturer did not design them specifically for automotive use.
- If you or an authorized Lincoln dealer add any non-Lincoln electrical or electronic accessories or components to your vehicle, you may adversely affect battery performance and durability. In addition, you may also adversely affect the performance of other electrical systems in the vehicle.

Lincoln Protect

PROTECT YOURSELF FROM THE RISING COST OF VEHICLE REPAIRS WITH LINCOLN PROTECT EXTENDED SERVICE PLAN.

Lincoln Protect Extended Service Plans (U.S. Only)

Lincoln Protect means peace of mind. It's the extended service plan backed by the Lincoln Motor Company, and provides more protection beyond the New Vehicle Limited Warranty coverage. When you visit your Lincoln Dealer, insist on genuine Lincoln Protect extended service plans!

Lincoln Protect Extended Service Plan Can Quickly Pay for Itself

One trip to the Service Center could easily exceed the price of your Lincoln Protect extended service plan. With Lincoln Protect you minimize your risk for unexpected repair bills and rising repair costs.

Up to 1000+ Covered Vehicle Components

There are four mechanical Lincoln Protect extended service plans with different levels of coverage. Ask your authorized dealer for details.

1. PremiumCARE - Our most comprehensive coverage. With over 1,000 covered components, this plan is so complete it's probably easier to list what's not covered.
2. ExtraCARE - Covers 113 components, and includes many high-tech items.
3. BaseCARE - Covers 84 components.
4. PowertrainCARE - Covers 29 critical components.

Lincoln Protect extended service plans are honored by all authorized Lincoln dealers in the U.S., Canada and Mexico.

That means you get:

- Reliable, quality service at any Lincoln or Ford dealership.
- Repairs performed by factory trained technicians, using genuine parts.

Rental Car Reimbursement

1st day Rental Benefit

If you bring your car into your dealer for service, we'll give you a loaner to use for the day.

Extended Rental Benefits

If your vehicle is kept overnight for covered repairs, you are eligible for rental car coverage, including bumper to bumper warranty repairs, and Field Service Actions.

Roadside Assistance

Exclusive 24/7 roadside assistance, including:

- Towing, flat-tire change and battery jump starts.
- Out of fuel and lock-out assistance.
- Travel expense reimbursement for lodging, meals and rental car.
- Assistance for taxi, shuttle, rental car coverage and other transportation.

Lincoln Protect

Transferable Coverage

If you sell your vehicle before your Lincoln Protect extended service plan coverage expires, you can transfer any remaining coverage to the new owner. Which should give you and your potential buyer a little more peace of mind.

Less Cost to Properly Maintain Your Vehicle

Lincoln Protect extended service plan also offers a Premium Maintenance Plan that covers all scheduled maintenance, and selected wear items. The coverage is prepaid, so you never have to worry about the cost of your vehicle's maintenance.

Covered maintenance includes:

- Windshield wiper blades.
- Spark plugs.
- The clutch disc (if equipped).
- Brake pads and linings.
- Shock absorbers and struts.
- Engine cooling hoses, clamps and o-rings.

- Engine belts.
- Diesel exhaust fluid replenishment (if equipped).

Interest Free Finance Options

Just a 10% down payment will provide you with an affordable, no interest, no fee payment program allowing you all the security and benefits Lincoln Protect extended service plan has to offer while paying over time. You are pre-approved with no credit check or hassles. To learn more, call our Lincoln Protect extended service plan specialists at 800-367-3377.

Complete the information below and mail to:

Lincoln Protect Extended Service Plan
P.O. Box 321067
Detroit, MI 48232

Lincoln Protect (CANADA ONLY)

You can get more protection for your vehicle by purchasing a Lincoln Protect extended service plan. Lincoln Protect extended service plan is the only service contract backed by Lincoln Motor Company of Canada, Limited. Depending on the plan you purchase, Lincoln Protect extended service plan provides benefits such as:

- Rental reimbursement.
- Coverage for certain maintenance and wear items.
- Protection against repair costs after your New Vehicle Limited Warranty Coverage expires.
- Roadside Assistance benefits.

Lincoln Protect

There are several Lincoln Protect extended service plans available in various time, distance and deductible combinations. Each plan is tailored to fit your own driving needs, including reimbursement for towing and rental. When you purchase Lincoln Protect extended service plan, you receive added peace-of-mind protection throughout Canada, the United States and Mexico, provided by a network of participating authorized Lincoln Motor Company dealers.

Note: *Repairs performed outside of Canada, the United States and Mexico are not eligible for Lincoln Protect extended service plan coverage.*

This information is subject to change. For more information, visit your local Lincoln of Canada dealer or www.LincolnCanada.com to find the Lincoln Protect extended service plan that is right for you.

Scheduled Maintenance

GENERAL MAINTENANCE INFORMATION

Why Maintain Your Vehicle?

Carefully following the maintenance schedule helps protect against major repair expenses resulting from neglect or inadequate maintenance and may help to increase the value of your vehicle when you sell or trade it. Keep all receipts for completed maintenance with your vehicle.

We have established regular maintenance intervals for your vehicle based upon rigorous testing. It is important that you have your vehicle serviced at the proper times. These intervals serve two purposes; one is to maintain the reliability of your vehicle and the second is to keep your cost of owning your vehicle down.

It is your responsibility to have all scheduled maintenance performed and to make sure that the materials used meet the specifications identified in this owner's manual. See **Capacities and Specifications** (page 359).

Failure to perform scheduled maintenance invalidates warranty coverage on parts affected by the lack of maintenance.

Why Maintain Your Vehicle at Your Dealership?

Factory-Trained Technicians

Service technicians participate in extensive factory-sponsored certification training to help them become experts on the operation of your vehicle. Ask your dealership about the training and certification their technicians have received.

Genuine Ford and Motorcraft® Replacement Parts

Dealerships stock Ford, Motorcraft and Ford-authorized branded re-manufactured replacement parts. These parts meet or exceed our specifications. Parts installed at your dealership carry a nationwide 24-month or unlimited mile (kilometer) parts and labor limited warranty.

If you do not use Ford authorized parts they may not meet our specifications and depending on the part, it could affect emissions compliance.

Convenience

Many dealerships have extended evening and Saturday hours to make your service visit more convenient and they offer one stop shopping. They can perform any services that are required on your vehicle, from general maintenance to collision repairs.

Note: *Not all dealers have extended hours or body shops. Please contact your dealer for details.*

Protecting Your Investment

Maintenance is an investment that pays dividends in the form of improved reliability, durability and resale value. To maintain the proper performance of your vehicle and its emission control systems, make sure you have scheduled maintenance performed at the designated intervals.

Scheduled Maintenance

Your vehicle is equipped with an information display, which indicates the proper oil change interval. This interval may be up to one year or 10,000 mi (16,000 km).

When **ENGINE OIL CHANGE DUE** or **OIL CHANGE REQUIRED** appears in the information display, it is time for an oil change. Make sure you perform the oil change within two weeks or 500 mi (800 km) of the **ENGINE OIL CHANGE DUE** or **OIL CHANGE REQUIRED** message appearing. Make sure you reset the oil monitoring system after each oil change. See **Oil Change Indicator Reset** (page 305).

If your information display resets prematurely, becomes inoperative or the vehicle battery becomes discharged or disconnected, the oil monitoring system resets to 100% oil life. You should change your engine oil one year or 10,000 mi (16,000 km) from the previous oil change. Never exceed one year or 10,000 mi (16,000 km) between oil change intervals.

Your vehicle is very sophisticated and built with multiple, complex, performance systems. Every manufacturer develops these systems using different specifications and performance features. That is why it is important to rely upon your dealership to properly diagnose and repair your vehicle.

Ford Motor Company has recommended maintenance intervals for various parts and component systems based upon engineering testing. Ford Motor Company relies upon this testing to determine the most appropriate mileage for replacement of oils and fluids to protect your vehicle at the lowest overall cost to you and recommends against maintenance schedules that deviate from the scheduled maintenance information.

We strongly recommend the use of only genuine Ford, Motorcraft or Ford-authorized re-manufactured replacement parts engineered for your vehicle.

Additives and Chemicals

This owner's manual and the Ford Workshop Manual list the recommended additives and chemicals for your vehicle. We do not recommend using chemicals or additives not approved by us as part of your vehicle's normal maintenance. Please consult your warranty information.

Oils, Fluids and Flushing

In many cases, fluid discoloration is a normal operating characteristic and, by itself, does not necessarily indicate a concern or that the fluid needs to be changed. However, a qualified expert, such as the factory-trained technicians at your dealership, should inspect discolored fluids that also show signs of overheating or foreign material contamination immediately.

Scheduled Maintenance

Make sure to change your vehicle's oils and fluids at the specified intervals or in conjunction with a repair. Flushing is a viable way to change fluid for many vehicle sub-systems during scheduled maintenance.

It is critical that systems are flushed only with new fluid that is the same as that required to fill and operate the system or using a Ford-approved flushing chemical.

Owner Checks and Services

Make sure you perform the following basic maintenance checks and inspections every month or at six-month intervals.

Check Every Month
Engine oil level.
Function of all interior and exterior lights.
Tires (including spare) for wear and proper pressure.
Windshield washer fluid level.

Check Every Six Months
Battery connections. Clean if necessary.
Body and door drain holes for obstructions. Clean if necessary.
Cooling system fluid level and coolant strength.
Door weatherstrips for wear. Lubricate if necessary.
Hinges, latches and outside locks for proper operation. Lubricate if necessary.
Parking brake for proper operation.

Scheduled Maintenance

Check Every Six Months
Safety belts and seat latches for wear and function.
Safety warning lamps (brake, ABS, airbag and safety belt) for operation.
Washer spray and wiper operation. Clean or replace blades as necessary.

Multi-point Inspection

In order to keep your vehicle running right, it is important to have the systems on your vehicle checked regularly. This can help identify potential issues and prevent major problems. We recommend having the following multi-point inspection performed at every scheduled maintenance interval to help make sure your vehicle keeps running great.

Multi-point Inspection	
Battery performance	Horn operation
Engine air filter	Radiator, cooler, heater and A/C hoses
Exhaust system	Suspension components for leaks or damage
Exterior lamps operation	Steering and linkage

Scheduled Maintenance

Multi-point Inspection	
Fluid levels ¹ ; fill if necessary	Tires for wear and proper pressure ²
For oil and fluid leaks	Windshield for cracks, chips or pits
Half-shaft dust boots	Washer spray and wiper operation
Hazard warning system operation	

¹ Brake, coolant recovery reservoir, automatic transmission and window washer

² If your vehicle is equipped with a temporary mobility kit, check the tire sealant expiration Use By date on the canister. Replace as needed.

Be sure to ask your dealership service advisor or technician about the multi-point vehicle inspection. It is a comprehensive way to perform a thorough inspection of your vehicle. Your checklist gives you immediate feedback on the overall condition of your vehicle.

Scheduled Maintenance

NORMAL SCHEDULED MAINTENANCE

Normal Scheduled Maintenance ¹	
Every 12 months or 10,000 mi (16,000 km). The oil monitoring system displays a message in the information display.	Change the engine oil and filter. ²
	Rotate the tires, inspect tire wear and measure tread depth.
	Inspect the automatic transmission fluid level. Consult dealer for requirements.
	Inspect the brake pads, rotors, hoses and parking brake.
	Inspect the engine and motor electronics coolant level/strength and hoses.
	Inspect the exhaust system and heat shields.
	Inspect the half-shaft boots.
	Inspect the steering linkage, ball joints, suspension and tie-rod ends.
	Inspect the wheels and related components for abnormal noise, wear, looseness or drag.

¹ Do not exceed one year or 10,000 mi (16,000 km) between service intervals. We recommend performing a multi-point inspection.

² Reset the oil monitoring system after engine oil and filter changes. See **Oil Change Indicator Reset** (page 305).

Scheduled Maintenance

Brake Fluid Maintenance ¹	
Every 3 Years	Change the brake fluid. ²

¹ Perform this maintenance item every 3 years. Do not exceed the designated time for the interval.

² Brake fluid servicing requires special equipment available at your authorized dealer.

Other Maintenance Items ¹	
Every 20,000 mi (32,000 km)	Replace the cabin air filter.
Every 30,000 mi (48,000 km)	Replace the engine air filter.
Every 100,000 mi (160,000 km)	Replace the spark plugs.
Every 150,000 mi (240,000 km)	Change the automatic transmission fluid.
At 200,000 mi (322,000 km)	Change the engine coolant. ²

¹ Perform these maintenance items within 3,000 mi (4,800 km) of the last engine oil and filter change. Do not exceed the designated distance for the interval.

² Initial replacement at 10 years or 200,000 mi (322,000 km), then every five years or 100,000 mi (160,000 km).

Scheduled Maintenance

SPECIAL OPERATING CONDITIONS SCHEDULED MAINTENANCE

If you operate your vehicle **primarily** in any of the following conditions, you need to

perform extra maintenance as indicated. If you operate your vehicle **occasionally** under any of these conditions, it is not necessary to perform the extra maintenance. For specific recommendations, see your dealership service advisor or technician.

Towing a Trailer or Using a Car-top Carrier	
As required	Change the engine oil and filter every 12 months or 10,000 mi (16,000 km). The oil monitoring system displays a message in the information display. Perform the services listed in the Normal Scheduled Maintenance chart.
Every 30,000 mi (48,000 km)	Change the automatic transmission fluid.
Every 60,000 mi (96,000 km)	Replace the spark plugs.

Scheduled Maintenance

Extensive Idling or Low-speed Driving for Long Distances, as in Heavy Commercial Use, such as Delivery, Taxi, Patrol Car or Livery	
As required	Change the engine oil and filter every 12 months or 10,000 mi (16,000 km). The oil monitoring system displays a message in the information display. Perform the services listed in the Normal Scheduled Maintenance chart.
Inspect frequently, service as required	Replace the cabin air filter.
	Replace the engine air filter.
Every 60,000 mi (96,000 km)	Replace the spark plugs.

Operating in Dusty or Sandy Conditions, such as Unpaved or Dusty Roads	
Inspect frequently, service as required	Replace the cabin air filter.
	Replace the engine air filter.
Every 5,000 mi (8,000 km)	Inspect the wheels and related components for abnormal noise, wear, looseness or drag.
	Rotate the tires, inspect the tires for wear and measure the tread depth.
Every 5,000 mi (8,000 km) or six months	Change the engine oil and filter.
	Perform a multi-point inspection.

Scheduled Maintenance

Exceptions

There are several exceptions to the Normal Schedule:

California Fuel Filter Replacement

If you register your vehicle in California, the California Air Resources Board has determined that the failure to perform this maintenance item does not nullify the emission warranty or limit recall liability before the completion of your vehicle's useful life. We, however, urge you to have all recommended maintenance services performed at the specified intervals and to record all vehicle service.

Engine Air Filter and Cabin Air Filter Replacement

The life of the engine air filter and cabin air filter is dependent on exposure to dusty and dirty conditions. Vehicles operated in these conditions require frequent inspection and replacement of the engine air filter and cabin air filter.

SCHEDULED MAINTENANCE RECORD

After the scheduled maintenance services are performed, record the Repair Order #, Distance and Engine Hours in the boxes provided.

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

☐ Repair Order #:

☐ Distance:

☐ Engine hours (optional):

☐ Multi-point inspection (recommended): ☐

Dealer stamp

☐ Signature:

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

☐ Repair Order #:

☐ Distance:

☐ Engine hours (optional):

☐ Multi-point inspection (recommended): ☐

Dealer stamp

☐ Signature:

Scheduled Maintenance

<input type="text"/>	<div>Dealer stamp</div>
<input type="text"/>	
<input type="text"/>	
<input type="text"/>	
<input type="text"/>	<div>Signature:</div>

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

☐ Repair Order #:

☐ Distance:

☐ Engine hours (optional):

☐ Multi-point inspection (recommended): ☐

Dealer stamp

☐ Signature:

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

☐ Repair Order #:

☐ Distance:

☐ Engine hours (optional):

☐ Multi-point inspection (recommended): ☐

Dealer stamp

☐ Signature:

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Scheduled Maintenance

<input type="radio"/> Repair Order #:	<div>Dealer stamp</div>
<input type="radio"/> Distance:	
<input type="radio"/> Engine hours (optional):	
<input type="radio"/> Multi-point inspection (recommended): <input type="checkbox"/>	
<input type="radio"/> Signature:	

Appendices

ELECTROMAGNETIC COMPATIBILITY



WARNING: Do not place objects or mount equipment on or near the airbag cover, on the side of the seatbacks (of the front seats), or in front seat areas that may come into contact with a deploying airbag. Failure to follow these instructions may increase the risk of personal injury in the event of a crash.



WARNING: Do not fasten antenna cables to original vehicle wiring, fuel pipes and brake pipes.



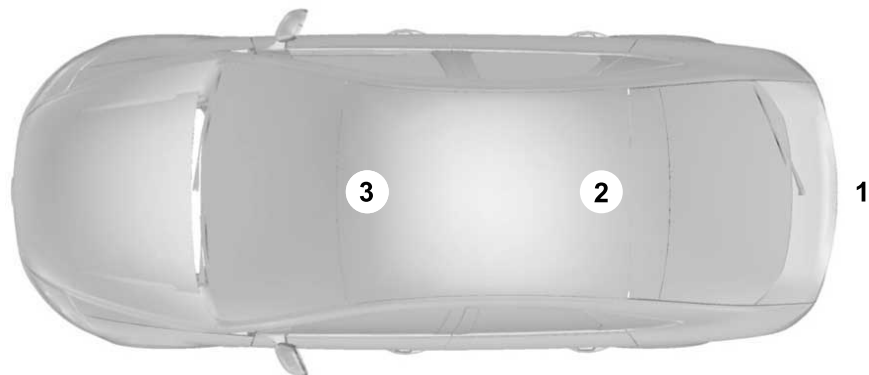
WARNING: Keep antenna and power cables at least 4 in (10 cm) from any electronic modules and airbags.

Note: We test and certify your vehicle to meet electromagnetic compatibility legislation (UNECE Regulation 10 or other applicable local requirements). It is your responsibility to make sure that any equipment an authorized dealer installs on your vehicle complies with applicable local legislation and other requirements.

Note: Any radio frequency transmitter equipment in your vehicle (such as cellular telephones and amateur radio transmitters) must keep to the parameters in the following table. We do not provide special provisions or conditions for installations or use.

Appendices

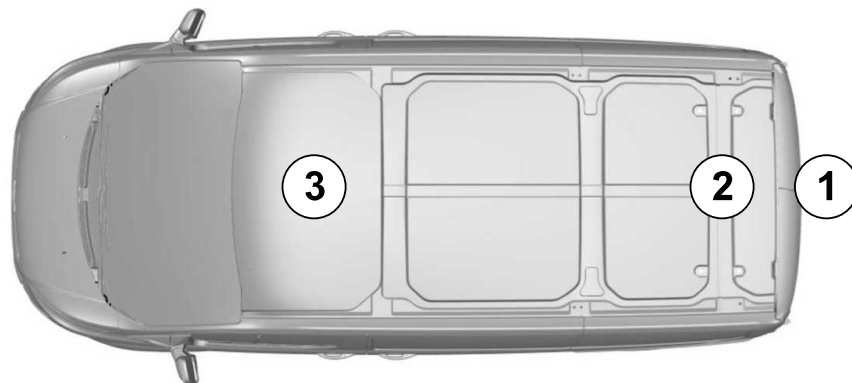
Car



E239120

Appendices

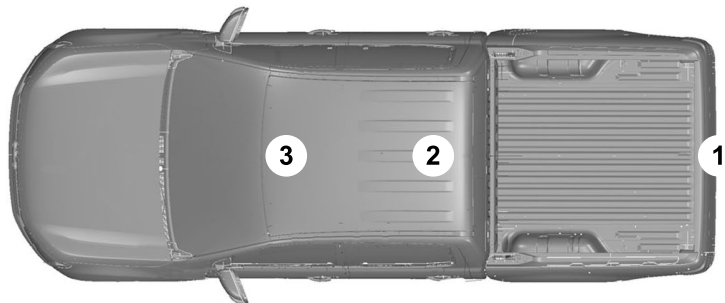
Van



E239122

Appendices

Truck



E239121

Frequency Band MHz	Maximum output power Watt (Peak RMS)	Antenna Positions
1-30	50	1
50-54	50	2, 3
68-88	50	2, 3

Appendices

Frequency Band MHz	Maximum output power Watt (Peak RMS)	Antenna Positions
142-176	50	2, 3
380-512	50	2, 3
806-870	10	2, 3

Note: *After the installation of radio frequency transmitters, check for disturbances from and to all electrical equipment in your vehicle, both in the standby and transmit modes.*

Check all electrical equipment:

- With the ignition ON.
- With the engine running.
- During a road test at various speeds.

Check that electromagnetic fields generated inside your vehicle cabin by the transmitter installed do not exceed applicable human exposure requirements.

END USER LICENSE AGREEMENT

VEHICLE SOFTWARE END USER LICENSE AGREEMENT (EULA)

- You ("You" or "Your" as applicable) have acquired a vehicle having several devices, including SYNC ® and various control modules, ("DEVICES") that include software licensed or owned by Ford Motor Company and its affiliates ("FORD MOTOR COMPANY"). Those software products of FORD MOTOR COMPANY origin, as well as associated media, printed materials, and "online" or electronic documentation ("SOFTWARE") are protected by international intellectual property laws and treaties. The SOFTWARE is licensed, not sold. All rights reserved.
- The SOFTWARE may interface with and/or communicate with, or may be later upgraded to interface with and/or communicate with additional software and/or systems provided by FORD MOTOR COMPANY.

IF YOU DO NOT AGREE TO THIS END USER LICENSE AGREEMENT ("EULA") DO NOT USE THE DEVICES OR COPY THE SOFTWARE. ANY USE OF THE SOFTWARE, INCLUDING BUT NOT LIMITED TO USE ON THE DEVICES, WILL CONSTITUTE YOUR AGREEMENT TO THIS EULA (OR RATIFICATION OF ANY PREVIOUS CONSENT).

GRANT OF SOFTWARE LICENSE: This EULA grants you the following license:

- You may use the SOFTWARE as installed on the DEVICES and as otherwise interfacing with systems and/or services provide by or through FORD MOTOR COMPANY or its third party software and service providers.

Description of Other Rights and Limitations

- **Speech Recognition:** If the SOFTWARE includes speech recognition component(s), you should understand that speech recognition is an inherently statistical process and that recognition errors are inherent in the process. Neither FORD MOTOR COMPANY nor

its suppliers shall be liable for any damages arising out of errors in the speech recognition process. It is your responsibility to monitor any speech recognition functions included in the system.

- **Limitations on Reverse Engineering, Decompilation and Disassembly:** You may not reverse engineer, decompile, translate, disassemble or attempt to discover any source code or underlying ideas or algorithms of the SOFTWARE nor permit others to reverse engineer, decompile or disassemble the SOFTWARE, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation or to the extent as may be permitted by the licensing terms governing use of any open source components included with the SOFTWARE.

Appendices

- **Limitations on Distributing, Copying, Modifying and Creating Derivative Works:** You may not distribute, copy, make modifications to or create derivative works based on the SOFTWARE, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation or to the extent as may be permitted by the licensing terms governing use of any open source components included with the SOFTWARE.
- **Single EULA:** The end user documentation for the DEVICES and related systems and services may contain multiple EULAs, such as multiple translations and/or multiple media versions (e.g., in the user documentation and in the software). Even if you receive multiple EULAs, you are licensed to use only one (1) copy of the SOFTWARE.
- **SOFTWARE Transfer:** You may permanently transfer your rights under this EULA only as part of a sale or transfer of the DEVICES, provided you retain no copies, you transfer all of the SOFTWARE (including all component parts, the media and printed materials, any upgrades, and, if applicable, the Certificate(s) of Authenticity), and the recipient agrees to the terms of this EULA. If the SOFTWARE is an upgrade, any transfer must include all prior versions of the SOFTWARE.
- **Termination:** Without prejudice to any other rights, FORD MOTOR COMPANY may terminate this EULA if you fail to comply with the terms and conditions of this EULA.
- **Internet-Based Services Components:** The SOFTWARE may contain components that enable and facilitate the use of certain Internet-based services. You acknowledge and agree that FORD MOTOR COMPANY, third party software and service suppliers, its affiliates and/or its designated agent may automatically check the version of the SOFTWARE and/or its components that you are utilizing and may provide upgrades or supplements to the SOFTWARE that may be automatically downloaded to your DEVICES.
- **Additional Software/Services:** The SOFTWARE may permit FORD MOTOR COMPANY, third party software and service suppliers, its affiliates and/or its designated agent to provide or make available to you SOFTWARE updates, supplements, add-on components, or Internet-based services components of the SOFTWARE after the date you obtain your initial copy of the SOFTWARE ("Supplemental Components"). SOFTWARE updates may cause you to incur additional charges from your wireless service provider. If FORD MOTOR COMPANY or third party software and services suppliers provide or make available to you Supplemental Components and no other EULA terms are provided along with the Supplemental Components, then the terms of this EULA shall apply. FORD

Appendices

MOTOR COMPANY, its affiliates and/or its designated agent reserve the right to discontinue without liability any Internet-based services provided to you or made available to you through the use of the SOFTWARE.

Appendices

- **Links to Third Party Sites:** The SOFTWARE may provide you with the ability to link to third party sites. The third party sites are not under the control of FORD MOTOR COMPANY, its affiliates and/or its designated agent. Neither FORD MOTOR COMPANY nor its affiliates nor its designated agent are responsible for (i) the contents of any third party sites, any links contained in third party sites, or any changes or updates to third party sites, or (ii) webcasting or any other form of transmission received from any third party sites. If the SOFTWARE provides links to third party sites, those links are provided to you only as a convenience, and the inclusion of any link does not imply an endorsement of the third party site by FORD MOTOR COMPANY, its affiliates and/or its designated agent.
- **Obligation to Drive Responsibly:** You recognize your obligation to drive responsibly and keep attention on the road. You will read and abide with the DEVICES operating instructions particularly as they pertain to safety and you agree to assume any risk associated

with the use of the DEVICES.

UPGRADES AND RECOVERY MEDIA: If the SOFTWARE is provided by FORD MOTOR COMPANY separate from the DEVICES on media such as a ROM chip, CD ROM disk(s) or via web download or other means, and is labeled "For Upgrade Purposes Only" or "For Recovery Purposes Only" you may install one (1) copy of such SOFTWARE onto the DEVICES as a replacement copy for the existing SOFTWARE, and use it in accordance with this EULA, including any additional EULA terms accompanying the upgrade SOFTWARE.

INTELLECTUAL PROPERTY RIGHTS: All title and intellectual property rights in and to the SOFTWARE (including but not limited to any images, photographs, animations, video, audio, music, text and "applets" incorporated into the SOFTWARE), the accompanying printed materials, and any copies of the SOFTWARE, are owned by FORD MOTOR COMPANY, or its affiliates or suppliers. The SOFTWARE is licensed, not sold. You may not copy the printed materials accompanying the SOFTWARE. All title and intellectual property rights in and to the content which

may be accessed through use of the SOFTWARE is the property of the respective content owner and may be protected by applicable copyright or other intellectual property laws and treaties. This EULA grants you no rights to use such content outside its intended use. All rights not specifically granted under this EULA are reserved by FORD MOTOR COMPANY, its affiliates, and third party software and service providers and suppliers. Use of any on-line services which may be accessed through the SOFTWARE may be governed by the respective terms of use relating to such services. If this SOFTWARE contains documentation that is provided only in electronic form, you may print one copy of such electronic documentation.

Appendices

EXPORT RESTRICTIONS: You acknowledge that the SOFTWARE is subject to U.S. and European Union export jurisdiction. You agree to comply with all applicable international and national laws that apply to the SOFTWARE, including the U.S. Export Administration Regulations, as well as end-user, end-use and destination restrictions issued by U.S. and other governments.

TRADEMARKS: This EULA does not grant you any rights in connection with any trademarks or service marks of FORD MOTOR COMPANY, its affiliates, and third party software and service providers.

PRODUCT SUPPORT: Please refer to FORD MOTOR COMPANY instructions provided in the documentation for the DEVICES product support, such as the vehicle owner guide.

Should you have any questions concerning this EULA, or if you desire to contact FORD MOTOR COMPANY for any other reason, please refer to the address provided in the documentation for the DEVICES.

No Liability for Certain Damages: EXCEPT AS PROHIBITED BY LAW, FORD MOTOR COMPANY, ANY THIRD PARTY SOFTWARE OR SERVICES SUPPLIERS, AND THEIR AFFILIATES SHALL HAVE NO LIABILITY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE SOFTWARE. THIS LIMITATION SHALL APPLY EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE. THERE ARE NO WARRANTIES OTHER THAN THOSE THAT MAY BE EXPRESSLY PROVIDED FOR YOUR NEW VEHICLE.

SYNC® Automotive Important Safety Information Read and follow instructions:

- Before using your SYNC® system, read and follow all instructions and safety information provided in this end user manual ("Owner Guide".) Not following precautions found in the Owner Guide can lead to an accident or other serious injuries.

General Operation

- **Voice Command Control:** Certain functions within the SYNC® system may be accomplished using voice commands. Using voice commands while driving helps you to operate the system without removing your hands from the wheel or eyes from the road.
- **Prolonged Views of Screen:** Do not access any function requiring a prolonged view of the screen while you are driving. Pull over in a safe and legal manner before attempting to access a function of the system requiring prolonged attention.
- **Volume Setting:** Do not raise the volume excessively. Keep the volume at a level where you can still hear outside traffic and emergency signals while driving. Driving while unable to hear these sounds could cause an accident.

Appendices

- **Navigation Features:** Any navigation features included in the system are intended to provide turn by turn instructions to get you to a desired destination. Please make certain all persons using this system carefully read and follow instructions and safety information fully.
- **Distraction Hazard:** Any navigation features may require manual (non-verbal) setup. Attempting to perform such set-up or insert data while driving can distract your attention and could cause an accident or other serious injury. Stop the vehicle in a safe and legal manner before attempting these operations.
- **Let Your Judgment Prevail:** Any navigation features are provided only as an aid. Make your driving decisions based on your observations of local conditions and existing traffic regulations. Any such feature is not a substitute for your personal judgment. Any route suggestions made by this system should never replace any local traffic regulations or your personal judgment or knowledge of safe driving practices.
- **Route Safety:** Do not follow the route suggestions if doing so would result in an unsafe or illegal maneuver, if you would be placed in an unsafe situation, or if you would be directed into an area that you consider unsafe. The driver is ultimately responsible for the safe operation of the vehicle and therefore, must evaluate whether it is safe to follow the suggested directions.
- **Potential Map Inaccuracy:** Maps used by this system may be inaccurate because of changes in roads, traffic controls or driving conditions. Always use good judgment and common sense when following the suggested routes.
- **Emergency Services:** Do not rely on any navigation features included in the system to route you to emergency services. Ask local authorities or an emergency services operator for these locations. Not all emergency services such as police, fire stations, hospitals and clinics are likely to be contained in the map database for such navigation features.

Appendices

Your Responsibilities and Assumptions of
Risk

Appendices

- You agree to each of the following:(a) Any use of the SOFTWARE while driving an automobile or other vehicle in violation of applicable law or otherwise driving in an unsafe manner presents a significant risk of distracted driving and should not be attempted under any circumstances;(b) Use of the SOFTWARE at excessive volume poses a significant risk of hearing damage and should not be attempted under any circumstances;(c) The SOFTWARE may not be compatible with new or different versions of an operating system, third party software, or third party services, and the SOFTWARE may potentially cause a critical failure of an operating system, third party software, or third party service.(d) Any third party service accessed by or third party software used with the SOFTWARE (i) may charge an additional fee for access, (ii) may not work correctly, on an uninterrupted basis, or error free, (iii) may change streaming formats or discontinue operation, (iv) may contain adult, profane or offensive content; and (v) may contain inaccurate, false or misleading traffic, weather,

financial or safety information or other content; and (e) Use of the SOFTWARE may cause you to incur additional charges from your wireless service provider (WSP) and any data or minute calculators that may be included in the software program are for reference only, are not warranted in any way and should not be relied upon in anyway.

- When using the SOFTWARE, you agree to be responsible for and assume the entire risk to the items set forth in Section (a) – (e) above.

Disclaimer of Warranty

YOU EXPRESSLY ACKNOWLEDGE AND AGREE THAT USE OF THE DEVICES AND SOFTWARE IS AT YOUR SOLE RISK AND THAT THE ENTIRE RISK AS TO SATISFACTORY QUALITY, PERFORMANCE, COMPATIBILITY, ACCURACY AND EFFORT IS WITH YOU. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE SOFTWARE AND ANY THIRD PARTY SOFTWARE OR THIRD-PARTY SERVICES ARE PROVIDED "AS IS" AND "AS AVAILABLE", WITH ALL FAULTS AND

WITHOUT WARRANTY OF ANY KIND, AND FORD MOTOR COMPANY HEREBY DISCLAIMS ALL WARRANTIES AND CONDITIONS WITH RESPECT TO THE SOFTWARE, THIRD PARTY SOFTWARE, AND THIRD-PARTY SERVICES, EITHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY, OF SATISFACTORY QUALITY, OF FITNESS FOR AN ARTICULAR PURPOSE, OF ACCURACY, OF QUIET ENJOYMENT, AND NON-INFRINGEMENT OF THIRD-PARTY RIGHTS. FORD MOTOR COMPANY DOES NOT WARRANT (a) AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES, (b) THAT THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES WILL MEET YOUR REQUIREMENTS, (c) THAT THE OPERATION OF THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES WILL BE UNINTERRUPTED OR ERROR-FREE, (d) OR THAT DEFECTS IN THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES WILL BE CORRECTED. NO ORAL

Appendices

OR WRITTEN INFORMATION OR ADVICE GIVEN BY FORD MOTOR COMPANY OR ITS AUTHORIZED REPRESENTATIVE SHALL CREATE A WARRANTY. SHOULD THE SOFTWARE, THIRD PARTY SOFTWARE, OR THIRD-PARTY SERVICES PROVE DEFECTIVE, YOU ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. SOME JURISDICTIONS DO NOT ALLOW THE DISCLAIMER OF IMPLIED WARRANTIES OR LIMITATIONS ON APPLICABLE STATUTORY RIGHTS OF A CONSUMER, SO THE ABOVE DISCLAIMER MAY NOT FULLY APPLY TO YOU. THE SOLE WARRANTY PROVIDED BY FORD MOTOR COMPANY SHALL BE FOUND IN THE WARRANTY INFORMATION INCLUDING WITH YOUR OWNER GUIDE. TO THE EXTENT THAT THERE IS ANY CONFLICT BETWEEN THE TERMS OF THIS SECTION AND THE WARRANTY BOOKLET, THE WARRANTY BOOKLET SHALL CONTROL.

Applicable Law, Venue, Jurisdiction

- The laws of the State of Michigan govern this EULA and Your use of the SOFTWARE. Your use of the SOFTWARE may also be subject to other local, state, national, or international laws. Any litigation arising out of or related to this EULA shall be brought and maintained exclusively in a court of the State of Michigan located in Wayne County or in the United States District Court for the Eastern District of Michigan. You hereby consent to submit to the personal jurisdiction of a court in the State of Michigan located in Wayne County and the United States District Court for the Eastern District of Michigan for any dispute arising out of or relating to this EULA.

Binding Arbitration and Class Action Waiver

(a) Application. This Section applies to any dispute EXCEPT IT DOES NOT INCLUDE A DISPUTE RELATING TO COPYRIGHT INFRINGEMENT, OR TO THE ENFORCEMENT OR VALIDITY OF YOUR, FORD MOTOR COMPANY, OR ANY OF

FORD MOTOR COMPANY'S LICENSORS' INTELLECTUAL PROPERTY RIGHTS. Dispute means any dispute, action, or other controversy between You and FORD MOTOR COMPANY, other than the exceptions listed above, concerning the SOFTWARE (including its price) or this EULA, whether in contract, warranty, tort, statute, regulation, ordinance, or any other legal or equitable basis.

(b) Notice of Dispute. In the event of a Dispute, You or FORD MOTOR COMPANY must give the other a "Notice of Dispute", which is a written statement of the name, address, and contact information of the party giving it, the facts giving rise to the dispute, and the relief requested. You and FORD MOTOR COMPANY will attempt to resolve any dispute through informal negotiation within 60 days from the date the Notice of Dispute is sent. After 60 days, You or FORD MOTOR COMPANY may commence arbitration.

Appendices

(c) Small claims court. You may also litigate any dispute in small claims court in your county of residence or FORD MOTOR COMPANY'S principal place of business, if the dispute meets all requirements to be heard in the small claims court. You may litigate in small claims court whether or not You negotiated informally first.

(d) Binding arbitration. If You and FORD MOTOR COMPANY, do not resolve any dispute by informal negotiation or in small claims court, any other effort to resolve the dispute will be conducted exclusively by binding arbitration. You are giving up the right to litigate (or participate in as a party or class member) all disputes in court before a judge or jury. Instead, all disputes will be resolved before a neutral arbitrator, whose decision will be final except for a limited right of appeal under the Federal Arbitration Act. Any court with jurisdiction over the parties may enforce the arbitrator's award.

(e) Class action waiver. Any proceedings to resolve or litigate any dispute in any forum will be conducted solely on an individual basis. Neither you nor FORD MOTOR COMPANY, will seek to have any dispute heard as a class action, as a private attorney general action, or in any other proceeding in which any party acts or proposes to act in a representative capacity. No arbitration or proceeding will be combined with another without the prior written consent of all parties to all affected arbitrations or proceedings.

(f) Arbitration procedure. Any arbitration will be conducted by the American Arbitration Association (the "AAA"), under its Commercial Arbitration Rules. If You are an individual and use the SOFTWARE for personal or vehicle use, or if the value of the dispute is \$75,000 or less whether or not You are an individual or how You use the SOFTWARE, the AAA Supplementary Procedures for Consumer-Related Disputes will also apply. To commence arbitration, submit a Commercial Arbitration Rules Demand for Arbitration form to the AAA. You may request a telephonic or in-person hearing by following the AAA rules. In a

dispute involving \$10,000 or less, any hearing will be telephonic unless the arbitrator finds good cause to hold an in-person hearing instead. For more information, see adr.org or call 1-800-778-7879. You agree to commence arbitration only in your county of residence or FORD MOTOR COMPANY'S principal place of business. The arbitrator may award the same damages to You individually as a court could. The arbitrator may award declaratory or injunctive relief only to You individually, and only to the extent required to satisfy Your individual claim.

(g) Arbitration fees and incentives.

- I. Disputes involving \$75,000 or less. FORD MOTOR COMPANY will promptly reimburse your filing fees and pay the AAA's and arbitrator's fees and expenses. If you reject FORD MOTOR COMPANY'S last written settlement offer made before the arbitrator was appointed ("last written offer"), your dispute goes all the way to an arbitrator's decision (called an "award"), and the arbitrator awards you more than the last written offer, FORD MOTOR COMPANY will give

Appendices

you three incentives: (1) pay the greater of the award or \$1,000; (2) pay twice your reasonable attorney's fees, if any; and (3) reimburse any expenses (including expert witness fees and costs) that your attorney reasonably accrues for investigating, preparing, and pursuing your claim in arbitration. The arbitrator will determine the amounts.

- ii. Disputes involving more than \$75,000. The AAA rules will govern payment of filing fees and the AAA's and arbitrator's fees and expenses.
- iii. Disputes involving any amount. In any arbitration you commence, FORD MOTOR COMPANY will seek its AAA or arbitrator's fees and expenses, or Your filing fees it reimbursed, only if the arbitrator finds the arbitration frivolous or brought for an improper purpose. In any arbitration FORD MOTOR COMPANY commences, it will pay all filing, AAA, and arbitrator's fees and expenses. It will not seek its attorney's fees or expenses from you in any arbitration. Fees and expenses are not counted in determining how much a dispute involves.

(h) Claims or disputes must be filed within one year. To the extent permitted by law, any claim or dispute under this EULA to which this Section applies must be filed within one year in small claims court (Section c) or in arbitration (Section d). The one-year period begins when the claim or dispute first could be filed. If such a claim or dispute is not filed within one year, it is permanently barred.

(I) Severability. If the class action waiver (Section e) is found to be illegal or unenforceable as to all or some parts of a dispute, then that portion of Section e will not apply to those parts. Instead, those parts will be severed and proceed in a court of law, with the remaining parts proceeding in arbitration. If any other provision of that portion Section e is found to be illegal or unenforceable, that provision will be severed with the remainder of Section e remaining in full force and effect.

Telenav Software End User License Agreement

Please read these terms and conditions carefully before you use the TeleNav Software. Your use of the TeleNav Software indicates that you accept these terms and conditions. If you do not accept these terms and conditions, do not break the seal of the package, launch, or otherwise use the TeleNav Software. TeleNav may revise this Agreement and the privacy policy at any time, with or without notice to you. You agree to visit <http://www.telenav.com> from time to time to review the then current version of this Agreement and of the privacy policy.

1. Safe and Lawful Use

You acknowledge that devoting attention to the TeleNav Software may pose a risk of injury or death to you and others in situations that otherwise require your undivided attention, and you therefore agree to comply with the following when using the TeleNav Software:

- (a) observe all traffic laws and otherwise drive safely;

Appendices

(b) use your own personal judgment while driving. If you feel that a route suggested by the TeleNav Software instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or directs you into an area that you consider to be unsafe, do not follow such instructions;

(c) do not input destinations, or otherwise manipulate the TeleNav Software, unless your vehicle is stationary and parked;

(d) do not use the TeleNav Software for any illegal, unauthorized, unintended, unsafe, hazardous, or unlawful purposes, or in any manner inconsistent with this Agreement;

(e) arrange all GPS and wireless devices and cables necessary for use of the TeleNav Software in a secure manner in your vehicle so that they will not interfere with your driving and will not prevent the operation of any safety device (such as an airbag).

You agree to indemnify and hold TeleNav harmless against all claims resulting from any dangerous or otherwise inappropriate use of the TeleNav Software in any moving vehicle, including as a result of your failure to comply with the directions above.

2. Account Information

You agree: (a) when registering the TeleNav Software, to provide TeleNav with true, accurate, current, and complete information about yourself, and (b) to inform TeleNav promptly of any changes to such information, and to keep it true, accurate, current and complete.

3. Software License

- Subject to your compliance with the terms of this Agreement, TeleNav hereby grants to you a personal, non-exclusive, non-transferable license (except as expressly permitted below in connection with your permanent transfer of the TeleNav Software license), without the right to sublicense, to use the TeleNav Software (in object code form only) in order to access and use the TeleNav Software. This license shall terminate upon any termination or expiration of this Agreement. You agree that you will use the TeleNav Software only for your personal business or leisure purposes, and not to provide commercial navigation services to other parties.

3.1 License Limitations

- **(a)** reverse engineer, decompile, disassemble, translate, modify, alter or otherwise change the TeleNav Software or any part thereof; **(b)** attempt to derive the source code, audio library or structure of the TeleNav Software without the prior express written consent of TeleNav; **(c)** remove from the TeleNav Software, or alter, any of TeleNav's or its suppliers' trademarks, trade names, logos, patent or copyright notices, or other notices or markings; **(d)** distribute, sublicense or otherwise transfer the TeleNav Software to others, except as part of your permanent transfer of the TeleNav Software; or **(e)** use the TeleNav Software in any manner that
 - i. infringes the intellectual property or proprietary rights, rights of publicity or privacy or other rights of any party,
 - ii. violates any law, statute, ordinance or regulation, including but not limited to laws and regulations related to spamming, privacy, consumer and child protection, obscenity or defamation, or

Appendices

iii. is harmful, threatening, abusive, harassing, tortuous, defamatory, vulgar, obscene, libelous, or otherwise objectionable; and (f) lease, rent out, or otherwise permit unauthorized access by third parties to the TeleNav Software without advanced written permission of TeleNav.

4. Disclaimers

- To the fullest extent permissible pursuant to applicable law, in no event will TeleNav, its licensors and suppliers, or agents or employees of any of the foregoing, be liable for any decision made or action taken by you or anyone else in reliance on the information provided by the TeleNav Software. TeleNav also does not warrant the accuracy of the map or other data used for the TeleNav Software. Such data may not always reflect reality due to, among other things, road closures, construction, weather, new roads and other changing conditions. You are responsible for the entire risk arising out of your use of the TeleNav Software. For example but without limitation, you agree not to rely

on the TeleNav Software for critical navigation in areas where the well-being or survival of you or others is dependent on the accuracy of navigation, as the maps or functionality of the TeleNav Software are not intended to support such high risk applications, especially in more remote geographical areas.

- TELENAV EXPRESSLY DISCLAIMS AND EXCLUDES ALL WARRANTIES IN CONNECTION WITH THE TELENAV SOFTWARE, WHETHER STATUTORY, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES WHICH MAY ARISE FROM COURSE OF DEALING, CUSTOM OR TRADE AND INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS WITH RESPECT TO THE TELENAV SOFTWARE.
- Certain jurisdictions do not permit the disclaimer of certain warranties, so this limitation may not apply to you.

5. Limitation of Liability

- TO THE EXTENT PERMITTED UNDER APPLICABLE LAW, UNDER NO CIRCUMSTANCES SHALL TELENAV OR ITS LICENSORS AND SUPPLIERS BE LIABLE TO YOU OR TO ANY THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES (INCLUDING IN EACH CASE, BUT NOT LIMITED TO, DAMAGES FOR THE INABILITY TO USE THE EQUIPMENT OR ACCESS DATA, LOSS OF DATA, LOSS OF BUSINESS, LOSS OF PROFITS, BUSINESS INTERRUPTION OR THE LIKE) ARISING OUT OF THE USE OF OR INABILITY TO USE THE TELENAV SOFTWARE, EVEN IF TELENAV HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOTWITHSTANDING ANY DAMAGES THAT YOU MIGHT INCUR FOR ANY REASON WHATSOEVER (INCLUDING, WITHOUT LIMITATION, ALL DAMAGES REFERENCED HEREIN AND ALL DIRECT OR GENERAL DAMAGES IN CONTRACT, TORT (INCLUDING NEGLIGENCE) OR

Appendices

OTHERWISE), THE ENTIRE LIABILITY OF TELENV AND OF ALL OF TELENV'S SUPPLIERS SHALL BE LIMITED TO THE AMOUNT ACTUALLY PAID BY YOU FOR THE TELENV SOFTWARE. SOME STATES AND/OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

6. Arbitration and Governing Law

- You agree that any dispute, claim or controversy arising out of or relating to this Agreement or the TeleNav Software shall be settled by independent arbitration involving a neutral arbitrator and administered by the American Arbitration Association in the County of Santa Clara, California. The arbitrator shall apply the Commercial Arbitration Rules of the American Arbitration Association, and the judgment upon the award rendered by the arbitrator may be entered by any court having jurisdiction. Note that there is no judge or jury in an

arbitration proceeding and the decision of the arbitrator shall be binding upon both parties. You expressly agree to waive your right to a jury trial. This Agreement and performance hereunder will be governed by and construed in accordance with the laws of the State of California, without giving effect to its conflict of law provisions. To the extent judicial action is necessary in connection with the binding arbitration, both TeleNav and you agree to submit to the exclusive jurisdiction of the courts of the County of Santa Clara, California. The United Nations Convention on Contracts for the International Sale of Goods shall not apply.

7. Assignment

- You may not resell, assign, or transfer this Agreement or any of your rights or obligations, except in totality, in connection with your permanent transfer of the TeleNav Software, and expressly conditioned upon the new user of the TeleNav Software agreeing to be bound by the terms and conditions of this

Agreement. Any such sale, assignment or transfer that is not expressly permitted under this paragraph will result in immediate termination of this Agreement, without liability to TeleNav, in which case you and all other parties shall immediately cease all use of the TeleNav Software. Notwithstanding the foregoing, TeleNav may assign this Agreement to any other party at any time without notice, provided the assignee remains bound by this Agreement.

8. Miscellaneous

8.1

This Agreement constitutes the entire agreement between TeleNav and you with respect to the subject matter hereof.

8.2

Except for the limited licenses expressly granted in this Agreement, TeleNav retains all right, title and interest in and to the TeleNav Software, including without limitation all related intellectual property rights. No licenses or other rights which are

Appendices

not expressly granted in this Agreement are intended to, or shall be, granted or conferred by implication, statute, inducement, estoppel or otherwise, and TeleNav and its suppliers and licensors hereby reserve all of their respective rights other than the licenses explicitly granted in this Agreement.

8.3

By using the TeleNav Software, you consent to receive from TeleNav all communications, including notices, agreements, legally required disclosures or other information in connection with the TeleNav Software (collectively, "Notices") electronically. TeleNav may provide such Notices by posting them on TeleNav's Website or by downloading such Notices to your wireless device. If you desire to withdraw your consent to receive Notices electronically, you must discontinue your use of the TeleNav Software.

8.4

TeleNav's or your failure to require performance of any provision shall not affect that party's right to require performance at any time thereafter, nor shall a waiver of any breach or default of this Agreement constitute a waiver of any subsequent breach or default or a waiver of the provision itself.

8.5

If any provision herein is held unenforceable, then such provision will be modified to reflect the intention of the parties, and the remaining provisions of this Agreement will remain in full force and effect.

8.6

The headings in this Agreement are for convenience of reference only, will not be deemed to be a part of this Agreement, and will not be referred to in connection with the construction or interpretation of this Agreement. As used in this Agreement, the words "include" and "including" and variations thereof, will not be deemed to be terms of limitation, but rather will be deemed to be followed by the words "without limitation".

9. Other Vendors Terms and Conditions

- The Telenav Software utilizes map and other data licensed to Telenav by third party vendors for the benefit of you and other end users. This Agreement includes end-user terms applicable to these companies (included at the end of this Agreement), and thus your use of the Telenav Software is also subject to such terms. You agree to comply with the following additional terms and conditions, which are applicable to Telenav's third party vendor licensors::

Appendices

9.1 End User Terms Required by HERE North America, LLC

The data (“Data”) is provided for your personal, internal use only and not for resale. It is protected by copyright, and is subject to the following terms and conditions which are agreed to by you, on the one hand, and Telenav (“Telenav”) and its licensors (including their licensors and suppliers) on the other hand.

© 2013 HERE. All rights reserved.

The Data for areas of Canada includes information taken with permission from Canadian authorities, including: © Her Majesty the Queen in Right of Canada, © Queen's Printer for Ontario, © Canada Post Corporation, GeoBase®, © Department of Natural Resources Canada.

HERE holds a non-exclusive license from the United States Postal Service® to publish and sell ZIP+4® information.

©United States Postal Service® 2014. Prices are not established, controlled or approved by the United States Postal Service®. The following trademarks and registrations are owned by the USPS: United States Postal Service, USPS, and ZIP+4

The Data for Mexico includes certain data from Instituto Nacional de Estadística y Geografía.

9.2 End User Terms Required by NAV2 (Shanghai) Co., Ltd

The data (“Data”) is provided for your personal, internal use only and not for resale. It is protected by copyright, and is subject to the following terms and conditions which are agreed to by you, on the one hand, and NAV2 (Shanghai) Co., Ltd (“NAV2”) and its licensors (including their licensors and suppliers) on the other hand. 20xx. All rights reserved

Terms and Conditions

Permitted Use. You agree to use this Data together with the Telenav Software solely for the internal business and personal purposes for which you were licensed, and not for service bureau, time-sharing or other similar purposes. Accordingly, but subject to the restrictions set forth in the following paragraphs, you agree not to otherwise reproduce, copy, modify, decompile, disassemble, create any derivative works of, or reverse engineer any portion of this Data, and may not transfer or distribute it in any form, for any purpose, except to the extent permitted by mandatory laws.

Restrictions. Except where you have been specifically licensed to do so by Telenav, and without limiting the preceding paragraph, you may not use this Data (a) with any products, systems, or applications installed or otherwise connected to or in communication with vehicles, capable of vehicle navigation, positioning, dispatch, real time route guidance, fleet management or similar applications; or (b) with or in

Appendices

communication with any positioning devices or any mobile or wireless-connected electronic or computer devices, including without limitation cellular phones, palmtop and handheld computers, pagers, and personal digital assistants or PDAs.

Warning. The Data may contain inaccurate or incomplete information due to the passage of time, changing circumstances, sources used and the nature of collecting comprehensive geographic data, any of which may lead to incorrect results.

No Warranty. This Data is provided to you “as is,” and you agree to use it at your own risk. Telenav and its licensors (and their licensors and suppliers) make no guarantees, representations or warranties of any kind, express or implied, arising by law or otherwise, including but not limited to, content, quality, accuracy, completeness, effectiveness, reliability, fitness for a particular purpose, usefulness, use or results to be obtained from this Data, or that the Data or server will be uninterrupted or error-free.

Disclaimer of Warranty: TELENAV AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) DISCLAIM ANY WARRANTIES, EXPRESS OR IMPLIED, OF QUALITY, PERFORMANCE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. Some States, Territories and Countries do not allow certain warranty exclusions, so to that extent the above exclusion may not apply to you.

Disclaimer of Liability: TELENAV AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) SHALL NOT BE LIABLE TO YOU: IN RESPECT OF ANY CLAIM, DEMAND OR ACTION, IRRESPECTIVE OF THE NATURE OF THE CAUSE OF THE CLAIM, DEMAND OR ACTION ALLEGING ANY LOSS, INJURY OR DAMAGES, DIRECT OR INDIRECT, WHICH MAY RESULT FROM THE USE OR POSSESSION OF THE INFORMATION; OR FOR ANY LOSS OF PROFIT, REVENUE, CONTRACTS OR SAVINGS, OR ANY OTHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF YOUR USE OF OR INABILITY TO USE

THIS INFORMATION, ANY DEFECT IN THE INFORMATION, OR THE BREACH OF THESE TERMS OR CONDITIONS, WHETHER IN AN ACTION IN CONTRACT OR TORT OR BASED ON A WARRANTY, EVEN IF TELENAV OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some States, Territories and Countries do not allow certain liability exclusions or damages limitations, so to that extent the above may not apply to you.

Export Control. You shall not export from anywhere any part of the Data or any direct product thereof except in compliance with, and with all licenses and approvals required under, applicable export laws, rules and regulations, including but not limited to the laws, rules and regulations administered by the Office of Foreign Assets Control of the U.S. Department of Commerce and the Bureau of Industry and Security of the U.S. Department of Commerce. To the extent that any such export laws, rules or regulations prohibit HERE from complying with any of its obligations hereunder to deliver or distribute Data, such failure shall be excused and shall not constitute a breach of this Agreement.

Appendices

Entire Agreement. These terms and conditions constitute the entire agreement between Telenav (and its licensors, including their licensors and suppliers) and you pertaining to the subject matter hereof, and supersedes in their entirety any and all written or oral agreements previously existing between us with respect to such subject matter.

Governing Law. The above terms and conditions shall be governed by the laws of the State of Illinois [insert “Netherlands” where European HERE Data is used], without giving effect to (i) its conflict of laws provisions, or (ii) the United Nations Convention for Contracts for the International Sale of Goods, which is explicitly excluded. You agree to submit to the jurisdiction of the State of Illinois [insert “The Netherlands” where European HERE Data is used] for any and all disputes, claims and actions arising from or in connection with the Data provided to you hereunder.

Government End Users. If the Data is being acquired by or on behalf of the United States government or any other entity seeking or applying rights similar to those customarily claimed by the United States government, this Data is a “commercial item” as that term is defined at 48 C.F.R. (“FAR”) 2.101, is licensed in accordance with these End-User Terms, and each copy of Data delivered or otherwise furnished shall be marked and embedded as appropriate with the following “Notice of Use,” and shall be treated in accordance with such Notice:

NOTICE OF USE
CONTRACTOR (MANUFACTURER/ SUPPLIER) NAME: HERE
CONTRACTOR (MANUFACTURER/ SUPPLIER) ADDRESS: c/o Nokia, 425 West Randolph Street, Chicago, Illinois 60606
This Data is a commercial item as defined in FAR 2.101 and is subject to these End- User Terms under which this Data was provided.
© 1987 – 2014 HERE – All rights reserved.

If the Contracting Officer, federal government agency, or any federal official refuses to use the legend provided herein, the Contracting Officer, federal government agency, or any federal official must notify HERE prior to seeking additional or alternative rights in the Data.

I. US/Canada Territory

A. United States Data. The End-User Terms for any Application containing Data for the United States shall contain the following notices:

“HERE holds a non-exclusive license from the United States Postal Service® to publish and sell ZIP+4® information.”

“©United States Postal Service® 20XX. Prices are not established, controlled or approved by the United States Postal Service®. The following trademarks and registrations are owned by the USPS: United States Postal Service, USPS, and ZIP+4.”

Appendices

B. Canada Data. The following provisions apply to the Data for Canada, which may include or reflect data from third party licensors (“Third Party Data”), including Her Majesty the Queen in Right of Canada (“Her Majesty”), Canada Post Corporation (“Canada Post”) and the Department of Natural Resources of Canada (“NRCan”):

1. Disclaimer and Limitation: Client agrees that its use of the Third Party Data is subject to the following provisions:

a. Disclaimer: The Third Party Data is licensed on an “as is” basis. The licensors of such data, including Her Majesty, Canada Post and NRCan, make no guarantees, representations or warranties respecting such data, either express or implied, arising by law or otherwise, including but not limited to, effectiveness, completeness, accuracy or fitness for a particular purpose.

b. Limitation on Liability: The Third Party Data licensors, including Her Majesty, Canada Post and NRCan, shall not be liable: (i) in respect of any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action alleging any loss, injury or damages, direct or indirect, which may result from the use or possession of such Data; or (ii) in any way for loss of revenues or contracts, or any other consequential loss of any kind resulting from any defect in the Data.

2. Copyright Notice: In connection with each copy of all or any portion of the Data for the Territory of Canada, Client shall affix in a conspicuous manner the following copyright notice on at least one of: (i) the label for the storage media of the copy; (ii) the packaging for the copy; or (iii) other materials packaged with the copy, such as user manuals or end user license agreements: “This data includes information taken with permis-

sion from Canadian authorities, including © Her Majesty the Queen in Right of Canada, © Queen's Printer for Ontario, © Canada Post Corporation, GeoBase®, © The Department of Natural Resources Canada. All rights reserved.”

3. End-User Terms: Except as otherwise agreed by the parties, in connection with the provision of any portion of the Data for the Territory of Canada to End-Users as may be authorized under the Agreement, Client shall provide such End-Users, in a reasonably conspicuous manner, with terms (set forth with other end user terms required to be provided

Appendices

under the Agreement, or as otherwise may be provided, by Client) which shall include the following provisions on behalf of the Third Party Data licensors, including Her Majesty, Canada Post and NRCan:

The Data may include or reflect data of licensors, including Her Majesty the Queen in the Right of Canada (“Her Majesty”), Canada Post Corporation (“Canada Post”) and the Department of Natural Resources Canada (“NRCan”). Such data is licensed on an “as is” basis. The licensors, including Her Majesty, Canada Post and NRCan, make no guarantees, representations or warranties respecting such data, either express or implied, arising by law or otherwise, including but not limited to, effectiveness, completeness, accuracy or fitness for a particular purpose. The licensors, including Her Majesty, Canada Post and NRCan, shall not be liable in respect of any claim, demand or action, irrespective of the nature of the cause of the claim, demand or

action alleging any loss, injury or damages, direct or indirect, which may result from the use or possession of the data or the Data. The licensors, including Her Majesty, Canada Post and NRCan, shall not be liable in any way for loss of revenues or contracts, or any other consequential loss of any kind resulting from any defect in the data or the Data. End User shall indemnify and save harmless the licensors, including Her Majesty, Canada Post and NRCan, and their officers, employees and agents from and against any claim, demand or action, irrespective of the nature of

the cause of the claim, demand or action, alleging loss, costs, expenses, damages or injuries (including injuries resulting in death) arising out of the use or possession of the data or the Data.

4. Additional Provisions: The terms contained in this Section are in addition to all of the rights and obligations of the parties under the Agreement. To the extent that any of the provisions of this Section are inconsistent with, or conflict with, any other provisions of the Agreement, the provisions of this Section shall prevail.

Appendices

II. Mexico. The following provision applies to the Data for Mexico, which includes certain data from the Instituto Nacional de Estadística y Geografía (“INEGI”):

A. Any and all copies of the Data and/or packaging containing Data for Mexico shall contain the following notice: “Fuente: INEGI (Instituto Nacional de Estadística y Geografía)”

III. Latin America Territory

A. Third Party Notices. Any and all copies of the Data and/or packaging relating thereto shall include the respective Third Party Notices set forth below and used as described below corresponding to the Territory (or portion thereof) included in such copy:

Territory	Notice
-----------	--------

Argentina	IGN “INSTITUTO GEOGRAFICO NACIONAL ARGENTINO”
-----------	---

Ecuador	“INSTITUTO GEOGRAFICO MILITAR DEL ECUADOR AUTORIZACION N° IGM-2011-01- PCO-01 DEL 25 DE ENERO DE 2011” “source: © IGN 2009 - BD TOPO ®”
---------	--

Guadeloupe, French Guiana and Martinique and Mexico	“Fuente: INEGI (Instituto Nacional de Estadística y Geografía)”
---	---

IV. Middle East Territory

A. Third Party Notices. Any and all copies of the Data and/or packaging relating thereto shall include the respective Third Party Notices set forth below and used as described below corresponding to the Territory (or portion thereof) included in such copy:

Country	Notice
Jordan	“© Royal Jordanian Geographic Centre”. The foregoing notice requirement for Jordan Data is a material term of the Agreement. If Client or any of its permitted sublicensees (if any) fail to meet such requirement, HERE shall have the right to terminate Client’s license with respect to the Jordan Data.

B. Jordan Data. Client and its permitted sublicensees (if any) are restricted from licensing and/or otherwise distributing HERE’s database for the country of Jordan (“Jordan Data”) for use in Enterprise Applications to (i) non-Jordanian entities for use of the Jordan Data solely in Jordan or (ii) Jordan-based customers. In addition, Client, its permitted sublicensees (if any) and End-Users are restricted from using the Jordan Data in Enterprise Applications if such party is (i) a non-Jordanian entity using the Jordan Data solely in Jordan or (ii) a Jordan-based customer. For purposes

Appendices

of the foregoing, “Enterprise Applications” shall mean Geomarketing applications, GIS applications, mobile business asset management applications, call center applications, telematics applications, public organization Internet applications or for providing geocoding services.

V. Europe Territory

A. Use of Certain Traffic Codes in Europe

1. General Restrictions Applicable to Traffic Codes. Client acknowledges and agrees that in certain countries of the Europe Territory, Client will need to obtain rights directly from third party RDS-TMC code providers to receive and use the Traffic Codes in the Data and to deliver to End-Users Transactions in any way derived from or based on such Traffic Codes. For such countries, HERE shall deliver the Data incorporating Traffic Codes to Client only after receiving certification from Client of its having obtained such rights.

2. Display of Third Party Rights Legends for Belgium. Client shall, for each Transaction that uses Traffic Codes for Belgium, provide the following notice to the End-User: “Traffic Codes for Belgium are provided by the Ministerie van de Vlaamse Gemeenschap and the Ministère de l’Equipeement et des Transports.”

B. Paper Maps. With respect to any license granted to Client relating to making, selling or distributing paper maps (i.e., a map fixed on a paper or paper-like medium): (a) such license with respect to Data for the Territory of Great Britain is conditioned on Client’s entering into and complying with a separate written agreement with the Ordnance Survey (“OS”) to create and sell paper maps, Client’s paying to the OS any and all applicable paper map royalties, and Client’s complying with the OS copyright notice requirements; (b) such license for selling or otherwise distributing for charge with respect to Data for the Territory of Czech Republic is conditioned on Client’s obtaining prior written consent from

Kartografie a.s.; (c) such license for selling or distributing with respect to Data for the Territory of Switzerland is conditioned on Client’s obtaining a permit from Bundesamt für Landestopografie of Switzerland; (d) Client is restricted from using Data for the Territory of France to create paper maps with a scale between 1:5,000 and 1:250,000; and (e) Client is restricted from using any Data to create, sell or distribute paper maps that are the same or substantially similar, in terms of data content and specific use of color, symbols and scale, to paper maps published by the European national mapping agencies, including without limitation, Landervermessungämter of Germany, Topografische Dienst of the Netherlands, Nationaal Geografisch Instituut of Belgium, Bundesamt für Landestopografie of Switzerland, Bundesamt für Eich-und Vermessungswesen of Austria, and the National Land Survey of Sweden.

Appendices

C. OS Enforcement. Without limiting Section IV(B) above, with respect to Data for the Territory of Great Britain, Client acknowledges and agrees that the Ordnance Survey (“OS”) may bring a direct action against Client to enforce compliance with the OS copyright notice (see Section IV(D) below) and paper map requirements (see Section IV(B) above) contained in this Agreement.

D. Third Party Notices. Any and all copies of the Data and/or packaging relating thereto shall include the respective Third Party Notices set forth below and used as described below corresponding to the Territory (or portion thereof) included in such copy:

Country(ies)	Notice
Austria	“© Bundesamt für Eich- und Vermessungswesen”
Croatia	
Cyprus,	
Estonia,	
Latvia,	
Lithuania,	“© EuroGeographics”

Moldova, Poland, Slovenia and/or Ukraine	
France	“source: © IGN 2009 – BD TOPO ®”
Germany	“Die Grundlagendaten wurden mit Genehmigung der zuständigen Behörden entnommen”
Great Britain	“Contains Ordnance Survey data © Crown copyright and database right 2010 Contains Royal Mail data © Royal Mail copyright and database right 2010”
Greece	“Copyright Geomatics Ltd.”
Hungary	“Copyright © 2003; Top-Map Ltd.”

Italy	“La Banca Dati Italiana è stata prodotta usando quale riferimento anche cartografia numerica ed al tratto prodotta e fornita dalla Regione Toscana.”
Norway	“Copyright © 2000; Norwegian Mapping Authority”
Portugal	“Source: IgeoE – Portugal”
Spain	“Información geográfica propiedad del CNIG”
Sweden	“Based upon electronic data © National Land Survey Sweden.”
Switzerland	“Topografische Grundlage: © Bundesamt für Landestopographie.”

E. Respective Country Distribution. Client acknowledges that HERE has not received approvals to distribute map data for the following countries in such respective countries: Albania, Belarus, Kyrgyzstan, Moldova and Uzbekistan. HERE may

Appendices

update such list from time to time. The license rights granted to Client under this TL with respect to the Data for such countries are contingent upon Client's compliance with all applicable laws and regulations, including, without limitation, any required licenses or approvals to distribute the Application incorporating such Data in such respective countries.

VI. Australia Territory

A. Third Party Notices. Any and all copies of the Data and/or packaging relating thereto shall include the respective Third Party Notices set forth below and used as described below corresponding to the Territory (or portion thereof) included in such copy:

Copyright. Based on data provided under license from PSMA Australia Limited (www.pasma.com.au).

Product incorporates data which is © 20XX Telstra Corporation Limited, GM Holden Limited, Intelomatics Australia Pty Ltd and Continental Pty Ltd.

B. Third Party Notices for Australia. In addition to the foregoing, the End-User Terms for any Application containing RDS-TMC Traffic Codes for Australia shall contain the following notice: "Product incorporates traffic location codes which is © 20XX Telstra Corporation Limited and its licensors."

AT&T Vehicle Network Carrier Telematics Disclosure

END USER FOR PURPOSES OF THIS SECTION MEANS YOU AND YOUR HEIRS, EXECUTORS, LEGAL PERSONAL REPRESENTATIVES AND PERMITTED ASSIGNS. FOR PURPOSES OF THIS SECTION "UNDERLYING WIRELESS SERVICE CARRIER" INCLUDES ITS AFFILIATES AND CONTRACTORS AND THEIR RESPECTIVE OFFICERS, DIRECTORS, EMPLOYEES, SUCCESSORS AND ASSIGNS. END USER HAS NO CONTRACTUAL RELATIONSHIP

WITH THE UNDERLYING WIRELESS SERVICE CARRIER AND END USER IS NOT A THIRD PARTY BENEFICIARY OF ANY AGREEMENT BETWEEN FORD AND UNDERLYING CARRIER. END USER UNDERSTANDS AND AGREES THAT THE UNDERLYING CARRIER HAS NO LEGAL, EQUITABLE, OR OTHER LIABILITY OF ANY KIND TO END USER. IN ANY EVENT, REGARDLESS OF THE FORM OF THE ACTION, WHETHER FOR BREACH OF CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, END USER'S EXCLUSIVE REMEDY FOR CLAIMS ARISING IN ANY WAY IN CONNECTION WITH THIS AGREEMENT, FOR ANY CAUSE WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY FAILURE OR DISRUPTION OF SERVICE PROVIDED HEREUNDER, IS LIMITED TO PAYMENT OF DAMAGES IN AN AMOUNT NOT TO EXCEED THE AMOUNT PAID BY END USER FOR THE SERVICES DURING THE TWO-MONTH PERIOD PRECEDING THE DATE THE CLAIM AROSE.

Appendices

(ii) END USER AGREES TO INDEMNIFY AND HOLD HARMLESS THE UNDERLYING WIRELESS SERVICE CARRIER AND ITS OFFICERS, EMPLOYEES, AND AGENTS AGAINST ANY AND ALL CLAIMS, INCLUDING WITHOUT LIMITATION CLAIMS FOR LIBEL, SLANDER, OR ANY PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, ARISING IN ANY WAY, DIRECTLY OR INDIRECTLY, IN CONNECTION WITH THIS AGREEMENT OR THE USE, FAILURE TO USE, OR INABILITY TO USE THE DEVICE EXCEPT WHERE THE CLAIMS RESULT FROM THE UNDERLYING CARRIER'S GROSS NEGLIGENCE OR WILLFUL MISCONDUCT. THIS INDEMNITY WILL SURVIVE THE TERMINATION OF THE AGREEMENT.

(iii) END USER HAS NO PROPERTY RIGHT IN ANY NUMBER ASSIGNED TO THE DEVICE.

(iv) END USER UNDERSTANDS THAT FORD AND THE UNDERLYING CARRIER CANNOT GUARANTY THE SECURITY OF WIRELESS TRANSMISSIONS, AND WILL NOT BE LIABLE FOR ANY LACK OF SECURITY RELATING TO THE USE OF THE SERVICES

THE SERVICE IS FOR [END USER'S] USE ONLY AND END USER MAY NOT RESELL THE SERVICE TO ANY OTHER PARTY END USER UNDERSTANDS THAT THE UNDERLYING CARRIER DOES NOT GUARANTEE ANY END USER UNINTERRUPTED SERVICE OR COVERAGE. THE UNDERLYING CARRIER DOES NOT WARRANT THAT END USERS CAN OR WILL BE LOCATED USING THE SERVICE. THE UNDERLYING CARRIER MAKES NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SUITABILITY, OR PERFORMANCE REGARDING ANY SERVICES OR GOODS, AND IN NO EVENT SHALL AT&T BE LIABLE, WHETHER OR NOT DUE TO ITS OWN NEGLIGENCE, FOR ANY: (A) ACT OR OMISSION OF A THIRD PARTY; (B) MISTAKES, OMISSIONS, INTERRUPTIONS, ERRORS, FAILURES TO TRANSMIT, DELAYS, OR DEFECTS IN THE SERVICE PROVIDED BY OR THROUGH THE UNDERLYING CARRIER; (C) DAMAGE OR INJURY CAUSED BY SUSPENSION OR TERMINATION BY THE UNDERLYING CARRIER; OR (D) DAMAGE OR INJURY CAUSED BY A FAILURE OR DELAY IN CONNECTING A CALL TO ANY ENTITY,

INCLUDING 911 OR ANY OTHER EMERGENCY SERVICE. TO THE FULL EXTENT ALLOWED BY LAW, THE END USER RELEASES, INDEMNIFIES AND HOLDS THE UNDERLYING CARRIER HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS OF ANY PERSON OR ENTITY FOR DAMAGES OF ANY NATURE ARISING IN ANY WAY FROM OR RELATING TO, DIRECTLY OR INDIRECTLY, SERVICES PROVIDED BY THE UNDERLYING CARRIER OR ANY PERSON'S USE THEREOF, INCLUDING CLAIMS ARISING IN WHOLE OR IN PART FROM THE ALLEGED NEGLIGENCE OF THE UNDERLYING CARRIER.

VII. China Territory

Personal Use Only

You agree to use this Data together with [insert name of Client Application] for the solely personal, non-commercial purposes for which you were licensed, and not for service bureau, time-sharing or other similar purposes. Accordingly, but subject to the restrictions set forth in the following paragraphs, you may copy this Data only as necessary for your personal use to (i) view

Appendices

it, and (ii) save it, provided that you do not remove any copyright notices that appear and do not modify the Data in any way. You agree not to otherwise reproduce, copy, modify, decompile, disassemble or reverse engineer any portion of this Data, and may not transfer or distribute it in any form, for any purpose, except to the extent permitted by mandatory laws.

Restrictions

Except where you have been specifically licensed to do so by NAV2 , and without limiting the preceding paragraph, you may not (a) use this Data with any products, systems, or applications installed or otherwise connected to or in communication with vehicles, capable of vehicle navigation, positioning, dispatch, real time route guidance, fleet management or similar applications; or (b) with or in communication with any positioning devices or any mobile or wireless-connected electronic or computer

devices, including without limitation cellular phones, palmtop and handheld computers, pagers, and personal digital assistants or PDAs. You agree to cease using this Data if you fail to comply with these terms and conditions.

Limited Warranty

NAV2 warrants that (a) the Data will perform substantially in accordance with the accompanying written materials for a period of ninety (90) days from the date of receipt, and (b) any support services provided by NAV2 shall be substantially as described in applicable written materials provided to you by NAV2, and NAV2's support engineers will make commercially reasonable efforts to solve any problem issues.

rigCustomer Remedies

NAV2 and its suppliers' entire liability and your exclusive remedy shall be, at NAV2's sole discretion, either (a) return of the price paid, if any, or (b) repair or replacement of the Data that do not meet NAV2's Limited Warranty and that are returned to NAV2 with a copy of your receipt. This Limited Warranty

is void if failure of the Data has resulted from accident, abuse, or misapplication. Any replacement Data will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer. Neither these remedies nor any product support services offered by NAV2 are available without proof of purchase from an authorized international source.

No Other Warranty:

EXCEPT FOR THE LIMITED WARRANTY SET FORTH ABOVE AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NAV2 AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) DISCLAIM ANY WARRANTIES, EXPRESS OR IMPLIED, OF QUALITY, PERFORMANCE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OWNERSHIP OR NON-INFRINGEMENT. Certain warranty exclusions may not be permitted under applicable law, so to that extent the above exclusion may not apply to you.

Appendices

Limited Liability:

TO THE EXTENT PERMITTED BY APPLICABLE LAW, NAV2 AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) SHALL NOT BE LIABLE TO YOU: IN RESPECT OF ANY CLAIM, DEMAND OR ACTION, IRRESPECTIVE OF THE NATURE OF THE CAUSE OF THE CLAIM, DEMAND OR ACTION ALLEGING ANY LOSS, INJURY OR DAMAGES, DIRECT OR INDIRECT, WHICH MAY RESULT FROM THE USE OR POSSESSION OF THE INFORMATION; OR FOR ANY LOSS OF PROFIT, REVENUE, CONTRACTS OR SAVINGS, OR ANY OTHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF YOUR USE OF OR INABILITY TO USE THIS INFORMATION, ANY DEFECT IN THE INFORMATION, OR THE BREACH OF THESE TERMS OR CONDITIONS, WHETHER IN AN ACTION IN CONTRACT OR TORT OR BASED ON A WARRANTY, EVEN IF NAV2 OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. UNDER

NO CIRCUMSTANCES SHALL NAV2's OR ITS SUPPLIERS' LIABILITY HEREUNDER EXCEED THE PRICE PAID. Certain liability exclusions may not be permitted under applicable law, so to that extent the above exclusion may not apply to you.

Export Control

You agree not to export to anywhere any part of the Data provided to you or any direct product thereof except in compliance with, and with all licenses and approvals required under, applicable export laws, rules and regulations.

IP Protection

The Data are owned by NAV2 or its suppliers and are protected by applicable copyright and other intellectual property law and treaties. The Data are provided solely on the basis of a license to use, not sale.

Entire Agreement

These terms and conditions constitute the entire agreement between NAV2 (and its licensors, including their licensors and suppliers) and you pertaining to the subject matter hereof, and supersedes in their entirety any and all written or oral agreements previously existing between us with respect to such subject matter.

Governing Law.

The above terms and conditions shall be governed by the laws of the People's Republic of China, without giving effect to (i) its conflict of laws provisions, or (ii) the United Nations Convention for Contracts for the International Sale of Goods, which is explicitly excluded. Any dispute arising from or in connection with the Data provided to you hereunder shall be submitted to the Shanghai International Economic and Trade Arbitration Commission for arbitration.

Gracenote® Copyright

CD and music-related data from Gracenote, Inc., copyright©

Appendices

2000-2007 Gracenote. Gracenote Software, copyright © 2000-2007 Gracenote. This product and service may practice one or more of the following U.S. Patents 5,987,525; 6,061,680; 6,154,773; 6,161,132; 6,230,192; 6,230,207; 6,240,459; 6,330,593 and other patents issued or pending. Some services supplied under license from Open Globe, Inc. for U.S. Patent 6,304,523.

Gracenote and CDDB are registered trademarks of Gracenote. The Gracenote logo and logotype, and the "Powered by Gracenote"™ logo are trademarks of Gracenote.

Gracenote® End User License Agreement (EULA)

This device contains software from Gracenote, Inc. of 2000 Powell Street Emeryville, California 94608 ("Gracenote").

The software from Gracenote (the "Gracenote Software") enables this device to do disc and music file identification and obtain music-related information, including name, artist, track, and title information ("Gracenote Data") from online servers ("Gracenote Servers"), and to perform other

functions. You may use Gracenote Data only by means of the intended End User functions of this device. This device may contain content belonging to Gracenote's providers. If so, all of the restrictions set forth herein with respect to Gracenote Data shall also apply to such content and such content providers shall be entitled to all of the benefits and protections set forth herein that are available to Gracenote. You agree that you will use the content from Gracenote ("Gracenote Content"), Gracenote Data, the Gracenote Software, and Gracenote Servers for your own personal, non-commercial use only. You agree not to assign, copy, transfer or transmit the Gracenote Content, Gracenote Software or any Gracenote Data (except in a Tag associated with a music file) to any third party. **YOU AGREE NOT TO USE OR EXPLOIT GRACENOTE CONTENT, GRACENOTE DATA, THE GRACENOTE SOFTWARE, OR GRACENOTE SERVERS, EXCEPT AS EXPRESSLY PERMITTED HEREIN.**

You agree that your non-exclusive licenses to use the Gracenote Content, Gracenote Data, the Gracenote Software, and Gracenote Servers will terminate if you violate these restrictions. If your licenses terminate, you agree to cease any and all use of the Gracenote Content, Gracenote Data, the Gracenote Software, and Gracenote Servers.

Gracenote, respectively, reserve all rights in Gracenote Data, the Gracenote Software, and the Gracenote Servers and Gracenote Content, including all ownership rights. Under no circumstances will either Gracenote become liable for any payment to you for any information that you provide, including any copyrighted material or music file information. You agree that Gracenote may enforce its respective rights, collectively or separately, under this agreement against you, directly in each company's own name.

Appendices

Gracenote uses a unique identifier to track queries for statistical purposes. The purpose of a randomly assigned numeric identifier is to allow Gracenote to count queries without knowing anything about who you are. For more information, see the web page at www.gracenote.com for the Gracenote Privacy Policy.

THE GRACENOTE SOFTWARE, EACH ITEM OF GRACENOTE DATA AND THE GRACENOTE CONTENT ARE LICENSED TO YOU "AS IS". NEITHER GRACENOTE MAKES ANY REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THE ACCURACY OF ANY GRACENOTE DATA FROM THE GRACENOTE SERVERS OR GRACENOTE CONTENT. GRACENOTE COLLECTIVELY AND SEPARATELY RESERVE THE RIGHT TO DELETE DATA AND/OR CONTENT FROM THE COMPANIES' RESPECTIVE SERVERS OR, IN THE CASE OF GRACENOTE, CHANGE DATA CATEGORIES FOR ANY CAUSE THAT GRACENOTE DEEMS SUFFICIENT. NO WARRANTY IS MADE THAT EITHER GRACENOTE CONTENT OR THE GRACENOTE SOFTWARE OR GRACENOTE SERVERS ARE

ERROR-FREE OR THAT THE FUNCTIONING OF THE GRACENOTE SOFTWARE OR GRACENOTE SERVERS WILL BE UNINTERRUPTED. GRACENOTE IS NOT OBLIGATED TO PROVIDE YOU WITH ANY ENHANCED OR ADDITIONAL DATA TYPES THAT GRACENOTE MAY CHOOSE TO PROVIDE IN THE FUTURE AND IS FREE TO DISCONTINUE ITS ONLINE SERVICES AT ANY TIME. GRACENOTE DISCLAIM ALL WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT. NEITHER GRACENOTE WARRANTS THE RESULTS THAT WILL BE OBTAINED BY YOUR USE OF THE GRACENOTE SOFTWARE OR ANY GRACENOTE SERVER. IN NO CASE WILL GRACENOTE BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OR FOR ANY LOST PROFITS OR LOST REVENUES FOR ANY REASON WHATSOEVER. © Gracenote 2007.

Radio Frequency Statement

FCC ID: ACJ-SYNCG3-L

IC: 216B-SYNCG3-L

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

- (1)** This device may not cause harmful interference, and
- (2)** this device must accept any interference received, including interference that may cause undesired operation.



WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Appendices

Taiwan Territory

Note: In accordance with the management approach of low-power radio wave radiation motors:

Article 12: For approved and certified low-power radiation motor models, companies, firms or users must not alter the frequency, increase the power or change the characteristics and functions of the original design without authorization.

Article 14: The usage of low-power radio-frequency motors must not affect aviation safety and interfere with legal telecommunications. Should interference be detected, immediately stop using the device and only resume usage after ensuring that there is no longer any interference. For the legal telecommunication and wireless telecommunication of the telco, the low-power radio frequency motor must be able to tolerate legal limits of interference from telecommunication, industrial, scientific and radio wave equipment.

SUNA TRAFFIC CHANNEL – TERMS AND CONDITIONS

By activating, using and/or accessing the SUNA Traffic Channel, SUNA Predictive or other content or material provided by Intelomatics (together, **SUNA Products and/or Services**), you must accept certain terms and conditions. The following is a brief summary of the terms and conditions that apply to you. To view the full terms and conditions relevant to your use of the SUNA Products and/or Services, please consult:

Website
www.sunattraffic.com.au/termsandconditions/

1. Acceptance

By using SUNA Products and/or Services, you will be deemed to have accepted and agreed to be bound by the terms and conditions fully detailed at:

Website
www.sunattraffic.com.au/termsandconditions/

2. Intellectual Property

SUNA Products and/or Services are for your personal use. You may not record, or retransmit the content, nor use the content in association with any other traffic information or route guidance service or device not approved by Intelomatics. You obtain no right of ownership in any Intellectual Property Rights (including copyright) in the data that is used to provide SUNA Products and/or Services.

3. Appropriate Use

Appendices

SUNA Products and/or Services are intended as an aid to personal motoring and travel planning, and do not provide comprehensive or accurate information on all occasions. On occasions, you may experience additional delay as a result of using SUNA Products and/or Services. You acknowledge that it is not intended, or suitable, for use in applications where time of arrival or driving directions may impact the safety of the public or yourself.

4. Use of SUNA Products and Services while driving

You, and other authorised drivers of the vehicle in which SUNA Products and/or Services are available or installed and active, remain at all times responsible for observing all relevant laws and codes of safe driving. In particular, you agree to only actively operate SUNA Products and/or Services when the Vehicle is at a complete stop and it is safe to do so.

5. Service Continuity and Reception of the SUNA Traffic Channel

We will use reasonable endeavours to provide the SUNA Traffic Channel 24 hours a day, 365 days a year. The SUNA Traffic Channel may occasionally be unavailable for technical reasons or for planned maintenance. We will try to perform maintenance at times when congestion is light. We reserve the right to withdraw SUNA Products and/or Services at any time.

Also, we cannot assure the uninterrupted reception of the SUNA Traffic Channel RDS-TMC signal at any particular location.

6. Limitation of Liability

Neither Intelematics (nor its suppliers or the manufacturer of your device (the “Suppliers”)) shall be liable to you or to any third party for any damages either direct, indirect, incidental, consequential or otherwise arising out of the use of or inability to use SUNA Products and/or Services even if Intelematics or a Supplier has been advised of the possibility of such damages. You also acknowledge that the neither Intelematics nor any Supplier guarantees nor make any warranties that relate to the availability,

accuracy or completeness of SUNA Products and/or Services, and to the extent which it is lawful to do so, both Intelematics and each Supplier excludes any warranties which might otherwise be implied by any State or Federal legislation in relation to SUNA Products and/or Services.

7. Please Note

Great care has been taken in preparing this manual. Constant product development may mean that some information is not entirely up-to-date. The information in this document is subject to change without notice.

DECLARATION OF CONFORMITY

Your vehicle could have components that transmit and receive radio waves and are therefore subject to government regulation.

These components must accept any interference received, including interference that could cause undesired operation. For certification labels and declarations of conformity, visit

www.wirelessconformity.ford.com.

Appendices

DECLARATION OF CONFORMITY - VEHICLES WITH: SYNC 3

Radio Frequency Statement

SYNC Version	FCC Identification Number	IC Identification Number
3.0	ACJ-SYNCG3-L	216B-SYNCG3-L
3.1	ACJ-FA-170-BCARHS	216B-FA170BCARHS
3.2	ACJ-FG-185-SG32MH	216B-FG185SG32MH



WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

These devices comply with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

1. The device does not cause harmful interference.
2. The device accepts any interference received, including interference that could cause undesired operation.

Index

9		
911 Assist.....	55	
A		
A/C		
See: Climate Control.....	141	
About This Manual.....	7	
ABS		
See: Brakes.....	198	
ABS driving hints		
See: Hints on Driving With Anti-Lock Brakes.....	199	
Accessories.....	457	
Accessories		
See: Replacement Parts Recommendation.....	15	
ACC		
See: Using Adaptive Cruise Control.....	227	
Active Park Assist.....	214	
Using Active Park Assist.....	215	
Adaptive Headlamps.....	90	
System Check.....	90	
Adjusting the Headlamps.....	315	
Horizontal Aim Adjustment.....	316	
Vertical Aim Adjustment.....	315	
Adjusting the Steering Wheel - Vehicles With: Manual Adjustable Steering Column.....	80	
Adjusting the Steering Wheel - Vehicles With: Power Adjustable Steering Column.....	80	
End of Travel Position.....	81	
Memory Feature.....	81	
AFS		
See: Adaptive Headlamps.....	90	
Airbag Disposal.....	54	
Air Conditioning		
See: Climate Control.....	141	
Air Filter		
See: Changing the Engine Air Filter.....	316	
Alarm		
See: Anti-Theft Alarm.....	78	
Ambient Lighting.....	92	
Adjusting the Brightness.....	92	
Changing the Color.....	92	
Switching Ambient Lighting Off.....	92	
Switching Ambient Lighting On.....	92	
Anti-Theft Alarm.....	78	
Arming the Alarm.....	79	
Disarming the Alarm.....	79	
Appendices.....	492	
Apps.....	435	
SiriusXM Traffic and Travel Link.....	436	
Using Apps on an Android Device.....	435	
Using Apps on an iOS Device.....	435	
Using Mobile Navigation on an Android Device.....	436	
At a Glance.....	19	
Audible Warnings and Indicators.....	109	
Headlamps On Warning Chime.....	109	
Keyless Warning Alert.....	109	
Parking Brake On Warning Chime.....	109	
Audio Control.....	92	
You can operate the following functions with the control:.....	82	
Audio System.....	381	
General Information.....	381	
Audio Unit.....	382	
Adjusting the Volume.....	382	
Changing Radio Stations.....	382	
Ejecting the CD.....	382	
Inserting a CD.....	383	
Playing or Pausing Media.....	383	
Selecting the Audio Modes.....	383	
Switching the Audio Unit On and Off.....	383	
Using Seek, Fast Forward and Reverse.....	383	
Auto Hold.....	201	
Using Auto Hold.....	203	
Autolamps.....	88	
Windshield Wiper Activated Headlamps.....	88	

Index

Automatic Climate Control.....	141
Directing Air to the Footwell Air Vents.....	141
Directing Air to the Instrument Panel Air Vents.....	141
Setting the Blower Motor Speed.....	141
Setting the Temperature.....	141
Switching Auto Mode On and Off.....	141
Switching Defrost On and Off.....	142
Switching Dual Zone Mode On and Off.....	143
Switching Maximum Air Conditioning On and Off.....	143
Switching Maximum Defrost On and Off.....	143
Switching Recirculated Air On and Off.....	143
Switching the Air Conditioning On and Off.....	142
Switching the Climate Control On and Off.....	142
Automatic High Beam Control.....	93
Automatic High Beam Control Indicators.....	94
Automatic Transmission.....	193
Brake-Shift Interlock Override.....	196
If Your Vehicle Gets Stuck In Mud or Snow.....	197
Push Button Shift Transmission.....	193
Automatic Transmission Fluid Check.....	310
Autowipers.....	85
Autowipers Settings.....	85

Auxiliary Power Points.....	163
110 Volt AC Power Point.....	163
12 Volt DC Power Point.....	163
Locations.....	163

B

Battery	
See: Changing the 12V Battery.....	312
Blind Spot Information System.....	242
Switching the System Off and On.....	244
System Errors.....	244
Using the Blind Spot Information System.....	243
BLIS	
See: Blind Spot Information System.....	242
Body Styling Kits.....	328
Bonnet Lock	
See: Opening and Closing the Hood.....	301
Booster Seats.....	30
Types of Booster Seats.....	30
Brake Fluid Check.....	311
Brake Fluid Service Interval.....	312
Brakes.....	198
General Information.....	198
Breaking-In.....	262
Bulb Specification Chart.....	372

C

Cabin Air Filter.....	145
Canceling the Set Speed.....	227
Capacities and Specifications.....	364
Air Conditioning System.....	364
Automatic Transmission.....	365
Engine Coolant.....	366
Engine Oil.....	368
Fuel Tank.....	369
Grease.....	369
Hydraulic Brake System.....	370
Inverter System Coolant.....	367
Locks.....	371
Washer Reservoir.....	371
Car Wash	
See: Cleaning the Exterior.....	319
Catalytic Converter.....	188
On-Board Diagnostics (OBD-II).....	189
Readiness for Inspection and Maintenance (I/M) Testing.....	190
Center Console.....	165
Changing a Bulb.....	316
Replacing Bulbs.....	316
Changing a Fuse.....	298
Fuses.....	298
Changing the 12V Battery.....	312
Changing the Engine Air Filter.....	316

Index

Changing the Wi-Fi Hotspot Name or Password.....	379	Cleaning the Instrument Panel and Instrument Cluster Lens.....	324	Switching the Climate Control On and Off.....	417
Changing the Wiper Blades.....	314	Cleaning the Interior.....	322	Switching the Heated Exterior Mirrors On and Off.....	418
Checking MyKey System Status.....	64	Cleaning Alcantara Microfiber Cloth Fabric.....	322	Switching the Heated Rear Window On and Off.....	418
MyKey Distance.....	64	Cleaning the Wheels.....	325	Switching the Heated Seats On and Off.....	418
Number of Admin Keys.....	65	Cleaning the Windows and Wiper Blades.....	321	Switching the Heated Steering Wheel On and Off.....	418
Number of MyKeys.....	65	Clearing All MyKeys.....	64	Switching the Heated Windshield On and Off.....	418
Checking the Wiper Blades.....	314	Climate.....	416	Switching the Rear Climate Controlled Seats On and Off.....	419
Child Restraint and Seatbelt Maintenance.....	42	Accessing Rear Climate Controls.....	419	Switching the Rear Heated Seats On and Off.....	419
Child Restraint Positioning.....	33	Accessing the Climate Control Menu.....	416	Switching the Rear Ventilated Seats On and Off.....	419
Child Safety.....	21	Directing the Airflow.....	416	Switching the Ventilated Seats On and Off.....	419
General Information.....	21	Rear Climate Control Lock Indicator.....	419	Climate Control.....	141
Child Safety Locks.....	35	Setting the Blower Motor Speed.....	417	Climate Controlled Seats.....	155
Left-Hand Side.....	35	Setting the Temperature.....	417	Cooled Seats.....	156
Right-Hand Side.....	35	Switching Auto Mode On and Off.....	417	Collision, Damage or Fire Event.....	270
Cleaning Leather Seats.....	325	Switching Dual Zone Mode On and Off.....	417	Guidance for Ford Motor Company Electric and Hybrid-Electric Vehicles Equipped With High Voltage Batteries.....	270
Cleaning Products.....	318	Switching Maximum Air Conditioning On and Off.....	418		
Materials.....	318	Switching Maximum Defrost On and Off.....	418		
Cleaning the Engine.....	321	Switching Rear Auto Mode On and Off.....	419		
Cleaning the Exterior.....	319	Switching Recirculated Air On and Off.....	418		
Cleaning the Headlamps.....	319	Switching the Air Conditioning On and Off.....	417		
Exterior Chrome Parts.....	320	Switching the Climate Controlled Seats On and Off.....	417		
Exterior Plastic Parts.....	320				
Stripes or Graphics.....	320				
Underbody.....	320				
Under Hood.....	320				

Index

Connecting the Vehicle to a Mobile Network.....	375
Enabling the Modem Using The Lincoln Way.....	375
Enabling the Modem Using the Touchscreen.....	375
What Is the Modem.....	375
Coolant Check	
See: Engine Coolant Check.....	305
Crash Sensors and Airbag Indicator.....	53
Creating a MyKey.....	63
Programming and Changing Configurable Settings.....	64
Creating a Wi-Fi Hotspot.....	379
Connecting a Device to the Wi-Fi Hotspot.....	379
Finding the Wi-Fi Hotspot Name and Password.....	379
Cross Traffic Alert.....	244
Cross Traffic Alert Behavior When Trailer is Attached.....	247
Cross Traffic Alert Indicator.....	248
Cross Traffic Alert Information Messages.....	248
Cross Traffic Alert System Limitations.....	247
Cross Traffic Alert System Sensors.....	247
Switching the System On and Off.....	247
Using Cross Traffic Alert.....	244

Cruise Control.....	226
Cruise Control Indicators.....	227
Cruise Control - Vehicles With: Adaptive Cruise Control With Stop and Go.....	82
Cruise Control - Vehicles With: Cruise Control.....	83
Customer Assistance.....	273

D

Data Recording.....	10
Comfort, Convenience and Entertainment Data.....	12
Event Data.....	11
Service Data.....	10
Services That Third Parties Provide.....	12
Services That We Provide.....	12
Vehicles With a Modem.....	13
Vehicles With an Emergency Call System.....	14
Vehicles With SYNC.....	13
Daytime Running Lamps - Vehicles With: Configurable Daytime Running Lamps.....	89
Daytime Running Lamps - Vehicles With: Daytime Running Lamps (DRL).....	89
Declaration of Conformity.....	527

Declaration of Conformity - Vehicles With: SYNC 3.....	528
Radio Frequency Statement.....	528
Digital Radio.....	383
HD Radio Reception and Station Troubleshooting.....	384
Direction Indicators.....	90
Indicating a Lane Change.....	91
Doors and Locks.....	67
Drive Control.....	254
LINCOLN DRIVE CONTROL.....	254
Driver Alert.....	236
Principle of Operation.....	236
Using Driver Alert.....	236
Driver and Passenger Airbags.....	46
Children and Airbags.....	47
Proper Driver and Front Passenger Seating Adjustment.....	47
Driver and Passenger Knee Airbags.....	51
Driving Aids.....	236
Driving Hints.....	262
Driving Through Water.....	263
DRL	
See: Daytime Running Lamps - Vehicles With: Configurable Daytime Running Lamps.....	89
See: Daytime Running Lamps - Vehicles With: Daytime Running Lamps (DRL).....	89

Index

E

Economical Driving.....	262
EcoSelect.....	175
Electric Parking Brake.....	199
Applying the Electric Parking Brake.....	200
Automatically Releasing the Electric Parking Brake.....	201
Manually Releasing the Electric Parking Brake.....	200
Releasing the Electric Parking Brake if the Vehicle Battery is Running Out of Charge.....	201
Electric Vehicle Information.....	429
Power Flow.....	429
Electromagnetic Compatibility.....	492
Emergency Call Limitations.....	56
Emergency Call Requirements.....	55
Emission Law.....	187
Noise Emissions Warranty, Prohibited Tampering Acts and Maintenance.....	188
Tampering With a Noise Control System.....	187
End User License Agreement.....	497
VEHICLE SOFTWARE END USER LICENSE AGREEMENT (EULA)	497
Engine Block Heater.....	171
Using the Engine Block Heater.....	172

Engine Coolant Check.....	305
Adding Coolant.....	306
Coolant Change.....	308
Engine Coolant Temperature Management.....	310
Fail-Safe Cooling.....	308
Recycled Coolant.....	308
Severe Climates.....	308
Engine Emission Control.....	187
Engine Immobilizer See: Passive Anti-Theft System.....	77
Engine Oil Check.....	304
Adding Engine Oil.....	304
Engine Oil Dipstick.....	304
Engine Specifications.....	359
Entertainment.....	404
AM/FM Radio.....	405
Apps.....	416
Bluetooth Stereo or USB.....	414
CD (If equipped).....	413
HD Radio™ Information (If Available).....	409
SiriusXM® Satellite Radio (If Activated).....	405
Sources.....	404
Supported Media Players, Formats and Metadata Information.....	416
USB Ports.....	416
Environment.....	18

EPB

See: Electric Parking Brake.....	199
Event Data Recording See: Data Recording.....	10
Export Unique Options.....	17
Exterior Mirrors.....	96
Auto-dimming Feature.....	98
Auto-Folding Mirrors.....	97
Blind Spot Information System.....	98
Fold-Away Exterior Mirrors.....	97
Heated Exterior Mirrors	98
Lincoln Welcome Mat.....	98
Memory Mirrors	98
Power Exterior Mirrors.....	96
Signal Indicator Mirrors	98

F

Fastening the Seatbelts.....	37
Seatbelt Locking Modes.....	38
Using Seatbelts During Pregnancy.....	37
Flat Tire Inflation See: Tire Sealant and Inflator Kit.....	329
Floor Mats.....	264
Front Parking Aid.....	210
Object Distance Indicator.....	212
Front Passenger Sensing System.....	48
Fuel and Refueling.....	179

Index

Fuel Consumption.....	185
Advertised Capacity.....	185
Fuel Economy.....	185
Fuel Filler Funnel Location.....	181
Fuel Filter.....	312
Fuel Quality.....	180
Choosing the Right Fuel.....	180
Fuel Freshness Mode.....	180
Fuel Shutoff.....	266
Fuses.....	282
Fuse Specification Chart.....	282
Passenger Compartment Fuse Panel.....	293
Power Distribution Box.....	282

G

Garage Door Opener.....	157
Garage Door Opener	
See: Universal Garage Door Opener.....	157
Gauges.....	102
Left Information Display.....	103
Right Information Display.....	104
Gearbox	
See: Transmission.....	193
General Information on Radio	
Frequencies.....	57
Intelligent Access.....	57

General Maintenance Information.....	462
Multi-point Inspection.....	465
Owner Checks and Services.....	464
Protecting Your Investment.....	462
Why Maintain Your Vehicle?.....	462
Why Maintain Your Vehicle at Your Dealership?.....	462
Getting Assistance Outside the U.S. and Canada.....	277
Getting the Services You Need.....	273
Away From Home.....	273
Global Opening and Closing.....	96
Closing the Windows.....	96
Opening the Windows.....	96

H

Hazard Flashers.....	266
Headlamp Adjusting	
See: Adjusting the Headlamps.....	315
Headlamp Exit Delay.....	89
Headrest	
See: Head Restraints.....	147
Head Restraints.....	147
Adjusting the Head Restraint.....	148
Tilting Head Restraints	148
Heated Exterior Mirrors.....	144
Heated Rear Window.....	144

Heated Seats.....	154
Front Seats.....	154
Rear Seats.....	155
Heated Steering Wheel.....	83
Heating	
See: Climate Control.....	141
High Voltage Battery.....	191
General Information.....	191
High Voltage Shutoff Switch.....	192
Hints on Controlling the Interior	
Climate.....	143
Defogging the Side Windows in Cold Weather.....	144
General Hints.....	143
Quickly Cooling the Interior.....	144
Quickly Heating the Interior.....	144
Recommended Settings for Cooling.....	144
Recommended Settings for Heating.....	144
Hints on Driving With Anti-Lock Brakes.....	199
Hood Lock	
See: Opening and Closing the Hood.....	301
Horn.....	83
Hybrid Vehicle Frequently Asked Questions.....	176
Hybrid Vehicle Operation.....	173
Battery.....	174
Braking.....	175

Index

Driving.....	173
Driving to Optimize Fuel Economy.....	175
Engine.....	174
Starting.....	173
Stopping.....	173
Transmission Operation.....	174

I

In California (U.S. Only).....	274
Information Display Control.....	83
Information Displays.....	110
General Information.....	110
Information Messages.....	121
Active Park.....	122
Adaptive Cruise Control.....	122
Adaptive Headlamps.....	123
AdvanceTrac™.....	123
Airbag.....	124
Alarm.....	124
Automatic Engine Shutdown.....	124
Battery and Charging System (12 volt).....	125
Battery and Charging System (High Voltage).....	125
Blind Spot Information and Cross Traffic Alert System.....	126
Doors and Locks.....	126
Driver Alert.....	127

Fuel.....	127
Hill Start Assist.....	128
Keys and Intelligent Access.....	128
Lane Keeping System.....	130
Maintenance.....	130
MyKey.....	132
Park Aid.....	133
Park Brake.....	133
Power Steering.....	134
Pre-Collision Assist.....	135
Remote Start.....	135
Seats.....	136
Starting System.....	136
Tire Pressure Monitoring System.....	137
Traction Control.....	137
Transmission.....	138
Installing Child Restraints.....	23
Child Seats.....	23
Using Lap and Shoulder Belts.....	23
Using Lower Anchors and Tethers for Children (LATCH).....	26
Using Tether Straps.....	28
Instrument Cluster.....	102
Instrument Lighting Dimmer.....	89
Instrument Panel.....	19
Interior Lamps.....	91
Front Interior Lamp.....	91
Rear Interior Lamps.....	92

Interior Luggage Compartment Release.....	75
Interior Mirror.....	98
Auto-Dimming Mirror.....	98
Introduction.....	7

J

Jump Starting the Vehicle.....	267
Connecting the Jumper Cables.....	268
Jump Starting.....	269
Preparing Your Vehicle.....	267
Removing the Jumper Cables.....	269

K

Keyless Entry.....	73
SECURICODE™ KEYLESS ENTRY KEYPAD.....	73
Keyless Starting.....	167
Ignition Modes.....	167
Keys and Remote Controls.....	57

L

Lane Keeping System.....	237
Switching the System On and Off.....	238

Index

Lighting Control.....	87
Flashing the Headlamp High Beam.....	88
Headlamp High Beam.....	88
Lighting.....	87
General Information.....	87
Lincoln Automotive Financial Services.....	14
Lincoln Protect.....	459
Lincoln Protect (CANADA ONLY).....	460
Lincoln Protect Extended Service Plans (U.S. Only).....	459
Load Carrying.....	256
Load Limit.....	256
Special Loading Instructions for Owners of Pick-up Trucks and Utility-type Vehicles.....	260
Vehicle Loading - with and without a Trailer.....	256
Locking and Unlocking.....	67
Activating Intelligent Access.....	68
Autolock.....	70
Battery Saver.....	71
Illuminated Entry.....	70
Illuminated Exit.....	70
Locking and Unlocking the Doors with the Key Blade.....	69
Luggage Compartment.....	71
Power Door Locks.....	67
Remote Control.....	67

Smart Unlocks for Intelligent Access Keys.....	69
--	----

M

Maintenance.....	301
General Information.....	301
Memory Function.....	152
Easy Entry and Exit Feature.....	153
Linking a PreSet Position to your Remote Control or Intelligent Access Key Fob.....	153
Saving a PreSet Position.....	152
Message Center	
See: Information Displays.....	110
Mirrors	
See: Windows and Mirrors.....	95
Mobile Communications Equipment.....	16
Moonroof.....	99
Opening and Closing.....	101
Type 1.....	100
Type 2.....	100
Motorcraft Parts.....	360
MyKey – Troubleshooting.....	65
MyKey™.....	62
Principle of Operation.....	62

N

Navigation.....	421
Changing the Format of the Map.....	425
cityseeker.....	427
Michelin Travel Guide.....	428
Navigation Map Accuracy and Updates.....	428
Route Guidance.....	425
Setting a Destination.....	423
SiriusXM Traffic and Travel Link.....	428
Zoom.....	425
Network Connectivity.....	375
Connecting the Vehicle to a Mobile Network.....	375
Network Connectivity – Troubleshooting.....	376
Normal Scheduled Maintenance.....	467

O

Oil Change Indicator Reset.....	305
Oil Check	
See: Engine Oil Check.....	304
Opening and Closing the Hood.....	301
Closing the Hood.....	302
Opening the Hood.....	301

Index

Ordering Additional Owner's Literature.....	279
Obtaining a French Owner's Manual.....	279
Overhead Console.....	165
Overriding Automatic High Beam Control.....	94

P

Parking Aids.....	208
Principle of Operation.....	208
Passive Anti-Theft System.....	77
SecuriLock.....	77
PATS	
See: Passive Anti-Theft System.....	77
Perchlorate.....	14
Personal Safety System™.....	44
How Does the Personal Safety System Work?.....	44
Phone.....	419
Android Auto.....	421
Apple CarPlay.....	421
Pairing Your Cell Phone for the First Time.....	419
Text Messaging.....	420
Using Your Cell Phone.....	420
Post-Crash Alert System.....	271

Power Decklid.....	71
Obstacle Detection.....	72
Opening and Closing the Power Decklid.....	72
Resetting the Power Decklid.....	73
Power Door Locks	
See: Locking and Unlocking.....	67
Power Seats.....	148
Adjusting the Four-Way Lumbar Support.....	150
Adjusting the Lumbar Support.....	150
Adjusting the Multi-Contour Front Seats With Active Motion	150
Power Windows.....	95
Accessory Delay.....	96
Bounce-Back.....	95
One-Touch Down.....	95
One-Touch Up.....	95
Window Lock.....	96
Pre-Collision Assist.....	250
Adjusting the Pre-Collision Assist Settings.....	252
Blocked Sensors.....	252
Distance Indication and Alert.....	251
Using the Pre-Collision Assist System.....	250
Protecting the Environment.....	18

R

Rear Parking Aid.....	208
Object Distance Indicator.....	210
Rear Seat Armrest.....	165
Rear Seats.....	153
Rear View Camera.....	222
Using the Rear View Camera System.....	223
Rear View Camera	
See: Rear View Camera.....	222
Reduced Engine Performance.....	262
Refueling.....	182
Fuel Filler Door Manual Override Lever.....	185
System Warnings.....	184
Remote Control.....	57
Car Finder.....	60
Intelligent Access Key.....	57
Remote Start.....	60
Replacing the Battery.....	58
Sounding the Panic Alarm.....	60
Remote Start.....	145
Automatic Settings.....	145
Heated and Cooled Features.....	145
Last Settings.....	145
Repairing Minor Paint Damage.....	325
Replacement Parts Recommendation.....	15
Collision Repairs.....	15

Index

Scheduled Maintenance and Mechanical Repairs.....	15
Warranty on Replacement Parts.....	15
Replacing a Lost Key or Remote Control.....	61
Reporting Safety Defects (Canada Only).....	280
Reporting Safety Defects (U.S. Only).....	280
Resuming the Set Speed.....	227
Roadside Assistance.....	265
Vehicles Sold in Canada: Getting Roadside Assistance.....	266
Vehicles sold in the United States: Getting Roadside Assistance.....	265
Vehicles Sold in the United States: Using Roadside Assistance.....	265
Roadside Emergencies.....	265
Running-In	
See: Breaking-In.....	262
Running Out of Fuel.....	181
Refilling With a Portable Fuel Container.....	181

S

Safety Canopy™.....	51
Safety Precautions.....	179

Satellite Radio.....	386
Satellite Radio Electronic Serial Number (ESN).....	387
Satellite Radio Reception Factors.....	386
SiriusXM Satellite Radio Service.....	387
Troubleshooting.....	388
Scheduled Maintenance Record.....	471
Scheduled Maintenance.....	462
Seatbelt Extensions.....	43
Seatbelt Height Adjustment.....	39
Seatbelt Reminder.....	41
Belt-Minder™.....	41
Seatbelts.....	36
Principle of Operation.....	36
Seatbelt Warning Lamp and Indicator	
Chime.....	40
Conditions of operation.....	40
Seats.....	146
Security.....	77
Settings.....	437
911 Assist.....	438
Ambient Lighting.....	439
Audio.....	438
Automatic Updates.....	438
Bluetooth.....	438
Charge Settings.....	438
Clock.....	438
Display.....	438

Driver Assist.....	438
General.....	438
Lincoln Way.....	438
Message Center.....	438
Mobile Apps.....	438
Multi Contour Seats.....	438
Navigation.....	438
Personal Profiles.....	439
Phone.....	438
Seats.....	438
Sound.....	437
Valet Mode.....	439
Vehicle.....	438
Voice Control.....	438
Setting the Cruise Control Speed.....	226
Changing the Set Speed.....	226
Side Airbags.....	50
Side Sensing System.....	212
Object Distance Indicator.....	213
Sitting in the Correct Position.....	146
Snow Chains	
See: Using Snow Chains.....	350
Special Notices.....	15
New Vehicle Limited Warranty.....	15
On Board Diagnostics Data Link Connector.....	16
Special Instructions.....	15

Index

Special Operating Conditions Scheduled Maintenance.....	469
Exceptions.....	471
Speed Control	
See: Cruise Control.....	226
Stability Control.....	205
Principle of Operation.....	205
Starting a Hybrid Electric Vehicle	
System.....	168
Automatic Shutdown.....	169
Fast Restart.....	169
Guarding Against Exhaust Fumes.....	170
Important Ventilating Information.....	170
Switching Off Your Vehicle When It Is Moving.....	170
Switching Off Your Vehicle When It Is Stationary.....	170
Starting and Stopping the Engine.....	167
General Information.....	167
Steering.....	249
Adaptive Learning.....	249
Electric Power Steering.....	249
Steering Wheel.....	80
Storage Compartments.....	165
Sunroof	
See: Moonroof.....	99
Sun Shades.....	99

Sun Visors.....	99
Illuminated Vanity Mirror.....	99
Supplementary Restraints System.....	45
Principle of Operation.....	45
Switching Automatic High Beam Control On and Off.....	93
Activating the Automatic High Beam Control.....	93
Switching Cruise Control On and Off.....	226
Switching Cruise Control Off.....	226
Switching Cruise Control On.....	226
Symbols Glossary.....	7
SYNC™ 3.....	390
General Information.....	390
SYNC™ 3 Troubleshooting.....	440
Additional Information and Assistance.....	456
Apps.....	450
Navigation.....	449
Personal Profiles.....	454
Phone.....	446
Resetting the System.....	456
USB and Bluetooth Audio.....	442
Voice Recognition.....	440
Wi-Fi Connectivity.....	452

T

Technical Specifications	
See: Capacities and Specifications.....	359
The Better Business Bureau (BBB) Auto Line Program (U.S. Only).....	275
Tire Care.....	336
Glossary of Tire Terminology.....	337
Information About Uniform Tire Quality Grading.....	336
Information Contained on the Tire Sidewall.....	338
Temperature A B C.....	337
Traction AA A B C.....	337
Treadwear.....	337
Tire Inflation When Punctured	
See: Tire Sealant and Inflator Kit.....	329
Tire Pressure Monitoring System.....	351
Changing Tires With a Tire Pressure Monitoring System.....	353
Understanding Your Tire Pressure Monitoring System	353
Tire Repair Kit	
See: Tire Sealant and Inflator Kit.....	329
Tire Sealant and Inflator Kit.....	329
First Stage: Reinflating the Tire with Sealing Compound and Air.....	331
General Information.....	329

Index

Second Stage: Checking Tire Pressure.....	333
Tips for Use of your TMK.....	330
What to do after the Tire has been Sealed.....	334
What to do when a Tire Is Punctured.....	331
Tires	
See: Wheels and Tires.....	329
Towing a Trailer.....	261
Towing the Vehicle on Four Wheels.....	261
Emergency Towing.....	261
Recreational Towing.....	261
Towing.....	261
Traction Control.....	204
Principle of Operation.....	204
Transmission Code Designation.....	362
Transmission.....	193
Transporting the Vehicle.....	272

U

Under Hood Overview.....	302
Unique Driving Characteristics.....	173
Universal Garage Door Opener.....	157
HomeLink Wireless Control System.....	157
USB Port.....	389
Using Adaptive Cruise Control.....	227
Automatic Cancellation.....	231
Blocked Sensor.....	233

Canceling the Set Speed.....	231
Changing the Set Speed.....	230
Detection Issues.....	231
Following a Vehicle.....	229
Following a Vehicle to a Complete Stop.....	229
Hilly Condition Usage.....	231
Overriding the Set Speed.....	230
Park Brake Application.....	231
Resuming the Set Speed.....	231
Setting the Adaptive Cruise Speed.....	228
Setting the Adaptive Cruise Speed When Your Vehicle is Stationary.....	228
Setting the Gap Distance.....	229
Switching Adaptive Cruise Control Off.....	231
Switching Adaptive Cruise Control On.....	228
Switching to Normal Cruise Control.....	235
System Not Available.....	233
Using MyKey With Remote Start Systems.....	65
Using Snow Chains.....	350
Using Stability Control.....	206
Using Summer Tires.....	350
Using Traction Control.....	204
Switching the System Off.....	204
System Indicator Lights and Messages.....	204
Using a Switch.....	204
Using the Information Display Controls.....	204

Using Voice Recognition.....	392
Apps.....	401
Automatic Blower Motor Speed Reduction.....	403
Climate.....	396
Entertainment.....	394
General.....	393
Navigation.....	399
Phone.....	397
SiriusXM Traffic and Travel Link.....	402
Voice Settings.....	402
Utilizing the Mediation/Arbitration Program (Canada Only).....	276

V

Vehicle Care.....	318
General Information.....	318
Vehicle Certification Label.....	362
Vehicle Identification Number.....	361
Vehicle Storage.....	326
Body.....	326
Brakes.....	327
Cooling system.....	327
Disconnecting Your 12 Volt Battery.....	327
Engine.....	326
Fuel system.....	327
General.....	326

Index

Miscellaneous.....	327	Engine or Motor Coolant Temperature.....	106	What Is Cruise Control.....	226
Plugging in Your HYBRID.....	327	Fasten Seatbelt Warning Lamp.....	107	Wheels and Tires.....	329
Removing Vehicle From Storage.....	327	Front Airbag.....	107	Technical Specifications.....	357
Tires.....	327	Grade Assist.....	107	Wi-Fi Hotspot.....	379
Ventilation		Headlamp High Beam Indicator.....	107	Windows and Mirrors.....	95
See: Climate Control.....	141	Heads Up Display.....	107	Windshield Washers.....	86
VIN		Hood Ajar.....	107	Windshield Wipers.....	84
See: Vehicle Identification Number.....	361	Lane Keeping System Lamp.....	107	Intermittent Wipe.....	84
Voice Control.....	82	Low Fuel Level Warning Lamp.....	107	Speed Dependent Wipers.....	84
W		Low Tire Pressure Warning Lamp.....	107	Wiper Blades	
Warning Lamps and Indicators.....	104	Low Washer Fluid Level Warning Lamp.....	107	See: Checking the Wiper Blades.....	314
Adaptive Cruise Control Indicator.....	105	Parking Lamps.....	108	Wipers and Washers.....	84
Anti-Lock Brake System Warning Lamp.....	105	Powertrain Fault.....	108		
Auto Hold Active.....	105	Ready to Drive.....	108		
Auto Hold Unavailable.....	105	Service Engine Soon.....	108		
Automatic Headlamp High Beam		Stability Control.....	108		
Indicator.....	105	Stability Control Off.....	108		
Battery.....	105	Stop Safely.....	109		
Blind Spot Monitor.....	105	Trunk Ajar.....	109		
Brake System Warning Lamp.....	106	Washer Fluid Check.....	312		
Cruise Control Indicator.....	106	Washers			
Direction Indicator.....	106	See: Cleaning the Exterior.....	319		
Door Ajar.....	106	See: Wipers and Washers.....	84		
EcoSelect.....	106	Waxing.....	320		
Electric Park Brake.....	106	Welcome Lighting.....	91		
Engine Oil.....	106	What Is 911 Assist.....	55		
		What Is Automatic High Beam			
		Control.....	93		