

FORD **RANGER** Owner's Manual



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 2013

All rights reserved.

Part Number: DB39120609AC (CG3575en) 12/2013 20131209205442

Table of Contents

Introduction

About This Manual.....	7
Symbols Glossary.....	7
Data Recording.....	9
Replacement Parts Recommendation.....	10
Special Notices.....	10
Mobile Communications Equipment.....	10

At a Glance

Front Exterior Overview.....	12
Rear Exterior Overview.....	13
Vehicle Interior Overview.....	14
Instrument Panel Overview.....	15

Child Safety

Installing Child Seats.....	18
Child Seat Positioning.....	21
Child Safety Locks.....	23

Safety Belts

Principle of Operation.....	24
Fastening the Safety Belts.....	24
Safety Belt Height Adjustment.....	25
Safety Belt Minder.....	26

Supplementary Restraints System

Principle of Operation.....	27
Driver Airbag.....	27
Passenger Airbag.....	28
Side Airbags.....	29
Driver Knee Airbag.....	29
Side Curtain Airbags.....	29

Keys and Remote Controls

General Information on Radio Frequencies.....	31
Remote Control.....	31

Replacing a Lost Key or Remote Control.....	33
--	----

Security

Passive Anti-Theft System.....	34
Anti-Theft Alarm.....	34

Locks

Locking and Unlocking.....	36
----------------------------	----

Steering Wheel

Adjusting the Steering Wheel.....	39
Audio Control.....	39
Voice Control.....	40
Cruise Control.....	40

Wipers and Washers

Windshield Wipers.....	41
Autowipers.....	41
Windshield Washers.....	42

Lighting

General Information.....	43
Lighting Control.....	43
Autolamps.....	44
Instrument Lighting Dimmer.....	44
Headlamp Exit Delay.....	44
Daytime Running Lamps.....	45
Front Fog Lamps.....	45
Rear Fog Lamps.....	46
Headlamp Leveling.....	46
Direction Indicators.....	47
Approach Lamps.....	47
Interior Lamps.....	47

Windows and Mirrors

Power Windows.....	49
Interior Mirror.....	50
Exterior Mirrors.....	51

Table of Contents

Sliding Windows.....	52	Rear Seat Armrest.....	81
Instrument Cluster		Starting and Stopping the Engine	
Gauges.....	53	General Information.....	82
Warning Lamps and Indicators.....	53	Ignition Switch.....	82
Audible Warnings and Indicators.....	57	Steering Wheel Lock.....	82
Information Displays		Starting a Gasoline Engine.....	83
General Information.....	59	Starting a Diesel Engine.....	84
Clock.....	61	Diesel Particulate Filter.....	84
Trip Computer.....	61	Switching Off the Engine.....	85
Personalized Settings.....	63		
Climate Control		Fuel and Refueling	
Principle of Operation.....	65	Safety Precautions.....	86
Air Vents.....	65	Fuel Quality.....	87
Manual Climate Control.....	65	Fuel Quality.....	87
Automatic Climate Control.....	68	Running Out of Fuel.....	87
Heated Windows and Mirrors.....	70	Catalytic Converter.....	88
		Refueling.....	88
Seats		Fuel Consumption.....	90
Sitting in the Correct Position.....	72	Technical Specifications.....	91
Manual Seats.....	72		
Power Seats.....	74	Transmission	
Head Restraints.....	76	Manual Transmission.....	93
Rear Seats.....	76	Automatic Transmission.....	93
Heated Seats.....	78		
Auxiliary Power Points		Four-Wheel Drive	
Auxiliary Power Points.....	79	Principle of Operation.....	97
Cigar Lighter.....	79	Using Four-Wheel Drive.....	97
Storage Compartments			
Cup Holders.....	80	Rear Axle	
Glove Box.....	80	Limited Slip Differential.....	102
Center Console.....	80	Electronic Locking Differential.....	102
Cool Box.....	81		
Ashtray.....	81	Brakes	
Glasses Holder.....	81	Principle of Operation.....	103
		Hints on Driving With Anti-Lock Brakes.....	103
		Parking Brake.....	103
		Hill Start Assist.....	104

Table of Contents

Traction Control

Principle of Operation.....	106
Using Traction Control.....	106

Stability Control

Principle of Operation.....	107
Using Stability Control.....	107

Terrain Response

Principle of Operation.....	109
Using Hill Descent Control.....	109

Parking Aids

Principle of Operation.....	111
Parking Aid.....	111
Rear View Camera.....	113

Cruise Control

Principle of Operation.....	116
Using Cruise Control.....	116

Load Carrying

General Information.....	118
Luggage Covers.....	118
Roof Racks and Load Carriers.....	120
Load Retaining Fixtures.....	121
Tailgate.....	124

Towing

Towing a Trailer.....	125
Trailer Sway Control.....	126
Recommended Towing Weights.....	126
Tow Ball.....	129
Towing Points.....	130
Towing the Vehicle on Four Wheels.....	131

Driving Hints

Breaking-In.....	132
General Driving Points.....	132

Cold Weather Precautions.....	132
Reduced Engine Performance.....	132
Driving Through Water.....	133
Floor Mats.....	133

Roadside Emergencies

Hazard Warning Flashers.....	135
First Aid Kit.....	135
Warning Triangle.....	135
Jump Starting the Vehicle.....	136

Fuses

Fuse Box Locations.....	138
Fuse Specification Chart.....	140
Changing a Fuse.....	149

Maintenance

General Information.....	150
Opening and Closing the Hood.....	150
Under Hood Overview - 2.5L Duratec-HE (122kW/165PS) - MI4.....	152
Under Hood Overview - 2.2L Duratorq-TDCi (Puma) Diesel.....	154
Under Hood Overview - 3.2L Duratorq-TDCi (Puma) Diesel.....	156
Engine Oil Dipstick - 2.5L Duratec-HE (122kW/165PS) - MI4.....	158
Engine Oil Dipstick - 2.2L Duratorq-TDCi (Puma) Diesel/3.2L Duratorq-TDCi (Puma) Diesel.....	158
Engine Oil Check.....	158
Engine Coolant Check.....	159
Power Steering Fluid Check.....	159
Brake and Clutch Fluid Check.....	160
Draining the Fuel Filter Water Trap.....	160
Washer Fluid Check.....	161
Changing the 12V Battery.....	161
Checking the Wiper Blades.....	161
Changing the Wiper Blades.....	161
Changing a Bulb.....	162
Bulb Specification Chart.....	168

Table of Contents

Technical Specifications.....169

Vehicle Care

Cleaning the Exterior.....172

Cleaning the Interior.....172

Repairing Minor Paint Damage.....173

Cleaning the Alloy Wheels.....173

Wheels and Tires

General Information.....174

Using Winter Tires.....174

Using Snow Chains.....174

Changing a Road Wheel.....174

Technical Specifications.....180

Capacities and Specifications

Vehicle Dimensions.....182

Towbar Dimensions.....187

Vehicle Identification Plate.....190

Vehicle Identification Number.....190

Navigation introduction

General Information.....191

Road Safety.....191

Navigation Quick start

Navigation Quick start.....193

Navigation unit overview

Navigation unit overview.....194

Loading the navigation data.....196

System settings

System settings.....197

Navigation system

Route options menu.....200

Route displays.....201

Traffic Message Channel

Principle of Operation.....202

Using TMC.....202

Map updates

Map updates.....203

Audio introduction

Important audio information.....204

Audio unit overview

Audio unit overview205

Audio System Security

Security code.....213

Audio Unit Clock and Date Displays

Setting the clock on the audio unit.....214

Audio unit operation

On/off control.....216

Sound button.....216

Waveband button.....216

Station tuning control.....216

Station preset buttons.....217

Autostore control.....217

Traffic information control.....218

Audio unit menus

Automatic volume control.....219

Digital signal processing (DSP).....219

News broadcasts.....219

Alternative frequencies.....219

Regional mode (REG).....220

Compact Disc Player

Compact disc playback.....221

Track selection.....221

Table of Contents

Fast forward/reverse.....	221
Shuffle/random.....	221
Repeat compact disc tracks.....	221
Compact disc track scanning.....	222
MP3 file playback.....	222
MP3 display options.....	224
Ending compact disc playback.....	225

Auxiliary input jack

Auxiliary input jack.....	226
---------------------------	-----

Audio system care

Antenna.....	227
--------------	-----

Audio Troubleshooting

Audio troubleshooting.....	228
----------------------------	-----

Telephone

General Information.....	229
Telephone setup.....	229
Bluetooth setup.....	230
Telephone controls.....	231
Using the telephone.....	231

Voice control

Principle of Operation.....	234
Using voice control.....	234
Audio unit commands.....	235
Telephone commands.....	243
Climate control commands.....	248

Appendices

Type approvals.....	250
Electromagnetic compatibility.....	250

Introduction

ABOUT THIS MANUAL

Thank you for choosing Ford. 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 handheld 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.

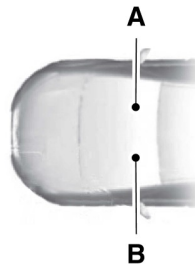
Note: This manual describes product features and options available throughout the range of available models, sometimes even before they are generally available. It may describe options not fitted to your vehicle.

Note: Some of the illustrations in this manual may be used for different models, so may appear different to you on your vehicle. However, the essential information in the illustrations is always correct.

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 the 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

Protecting the Environment

You must 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.

SYMBOLS GLOSSARY

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



Safety alert



See Owner's Manual



Air conditioning system



Anti-lock braking system



Avoid smoking, flames or sparks



Battery

Introduction



Battery acid



Explosive gas



Brake fluid - non petroleum based



Fan warning



Brake system



Fasten safety belt



Cabin air filter



Front airbag



Check fuel cap



Front fog lamps



Child safety door lock or unlock



Fuse compartment



Child seat lower anchor



Hazard warning flashers



Child seat tether anchor



Heated rear window



Cruise control



Heated windshield



Do not open when hot



Interior luggage compartment release



Engine air filter



Jack



Engine coolant



Lighting control



Engine coolant temperature



Lock rear window



Engine oil



Low tire pressure warning



Maintain correct fluid level

Introduction



Panic alarm



Parking aid



Parking brake



Power steering fluid



Power windows front/rear



Service engine soon



Side airbag



Stability control



Windshield wash and wipe



Keep out of reach of children



Recyclable product



Do not dispose of in the trash because the material contains lead



Use safety glasses when handling

DATA RECORDING

A large number of electronic components of your vehicle contain data storage modules temporarily or permanently storing technical data about the condition of the vehicle, events and errors.

In general, this technical information documents the condition of parts, modules, systems or the environment:

- Operating conditions of system components (e.g. filling levels).
- Status messages of the vehicle and its individual components (e.g. number of wheel revolutions/rotational speed, deceleration, lateral acceleration).
- Malfunction and defects in important system components (e.g. lighting and brake system).
- Vehicle reactions in particular driving situations (e.g. inflation of an airbag, activation of the stability regulation system).
- Environmental conditions (e.g. temperature).

These data are exclusively technical and help identification and correction of errors as well as optimisation of vehicle functions. Motion profiles indicating travelled routes cannot be created with these data.

If services are used (e.g. repair works, service processes, warranty cases, quality assurance), employees of the service network (including manufacturers) are able to read out this technical information from the event and error data storage modules using special diagnostic devices. If required, you will receive further information. After an error has been corrected, these data are deleted from the error storage module or they are constantly overwritten.

Introduction

When using the vehicle, situations may occur in which these technical data related to other information (accident report, damages on the vehicle, witness statements etc.) may be associated with a specific person - possibly, with the assistance of an expert.

Additional functions contractually agreed upon with the client (e.g. vehicle location in emergency cases) allow the transmission of particular vehicle data from the vehicle.

REPLACEMENT PARTS RECOMMENDATION

Your vehicle has been built 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 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 Ford Warranty. Damage caused to your vehicle as a result of the failure of non-Ford parts may not be covered by the Ford Warranty. For additional information, refer to the terms and conditions of the Ford Warranty.

SPECIAL NOTICES

If converting or modifying your vehicle from production specification, refer to the Body and Equipment Mounting Manual at www.etis.ford.com/fordservice.

MOBILE COMMUNICATIONS EQUIPMENT

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 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.

Introduction

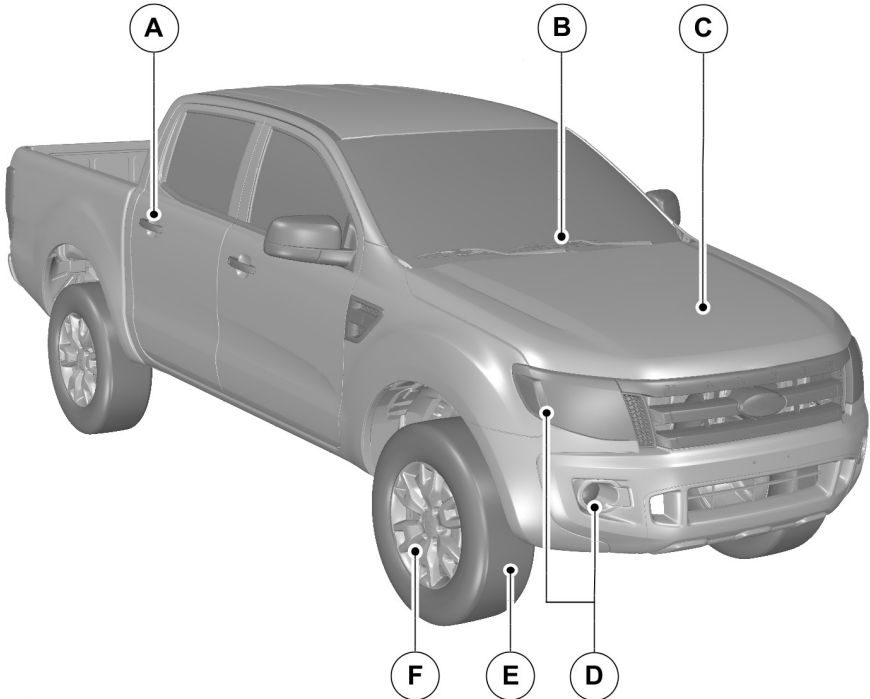
WARNING



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.

At a Glance

FRONT EXTERIOR OVERVIEW

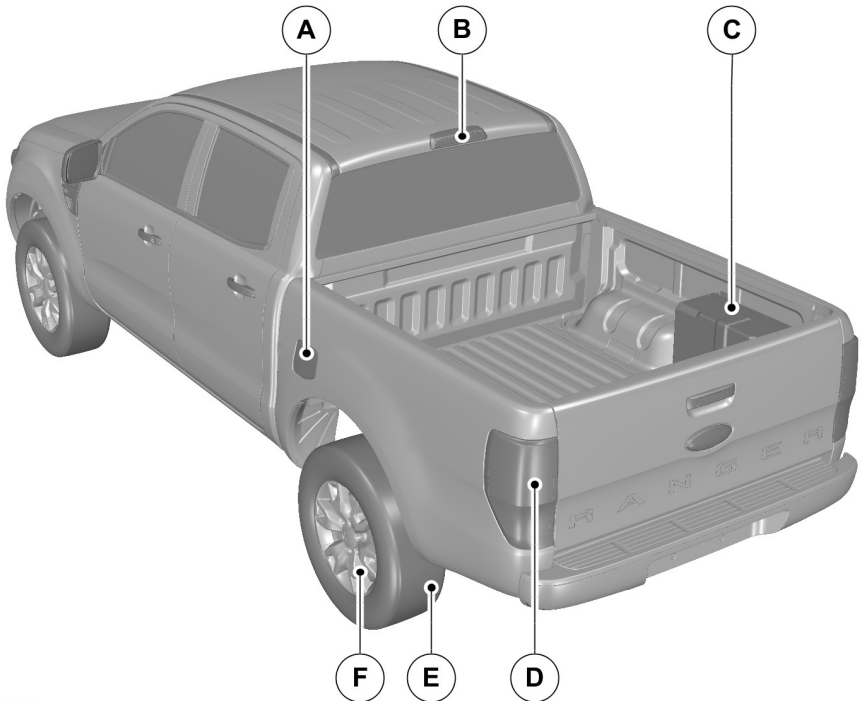


E173486

- A See **Locking and Unlocking** (page 36).
- B See **Changing the Wiper Blades** (page 161).
- C See **Maintenance** (page 150).
- D See **Changing a Bulb** (page 162).
- E Tire pressure. See **Technical Specifications** (page 180).
- F See **Changing a Road Wheel** (page 174).

At a Glance

REAR EXTERIOR OVERVIEW

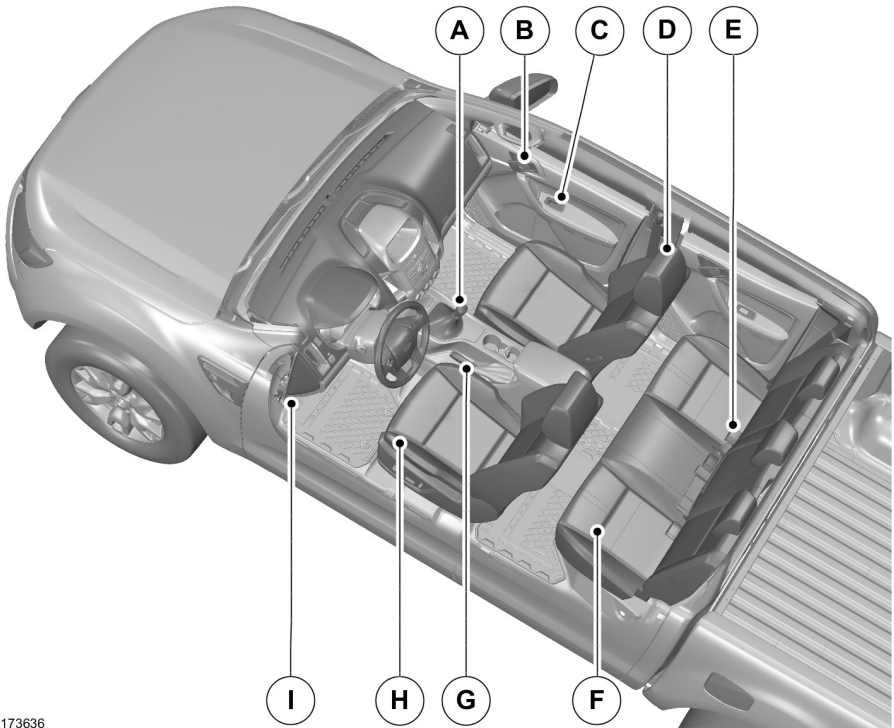


E173487

- A Fuel filler flap. See **Refueling** (page 88).
- B See **Changing a Bulb** (page 162).
- C Auxiliary battery. See **Changing the 12V Battery** (page 161).
- D See **Changing a Bulb** (page 162).
- E Tire pressure. See **Technical Specifications** (page 180).
- F See **Changing a Road Wheel** (page 174).

At a Glance

VEHICLE INTERIOR OVERVIEW



E173636

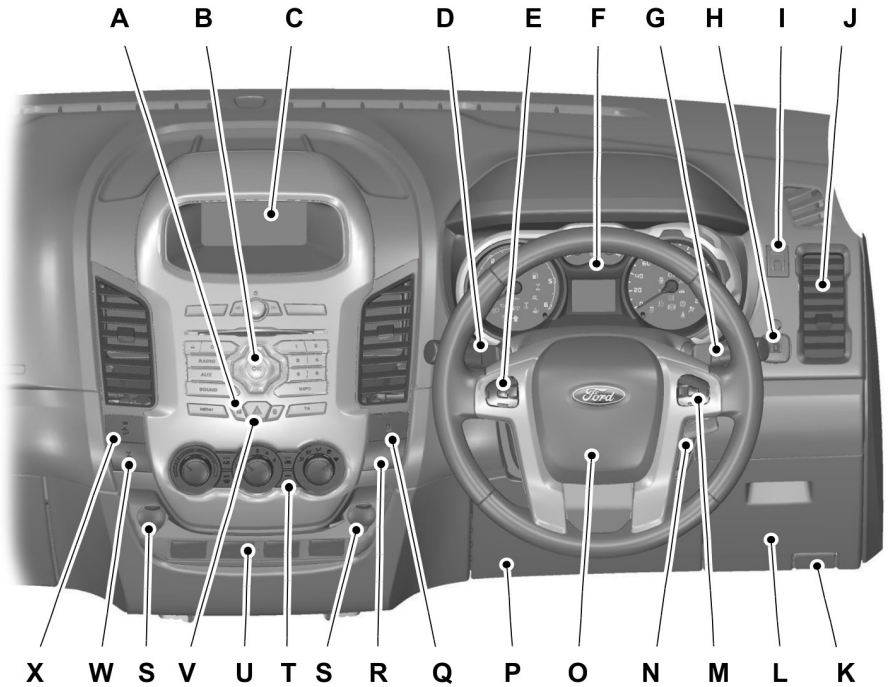
- A See **Transmission** (page 93).
- B See **Locks** (page 36).
- C See **Power Windows** (page 49). See **Exterior Mirrors** (page 51).
- D See **Head Restraints** (page 76).
- E See **Fastening the Safety Belts** (page 24).
- F See **Rear Seats** (page 76).
- G See **Parking Brake** (page 103).

At a Glance

- H See **Manual Seats** (page 72). See **Power Seats** (page 74).
- I See **Opening and Closing the Hood** (page 150).

INSTRUMENT PANEL OVERVIEW

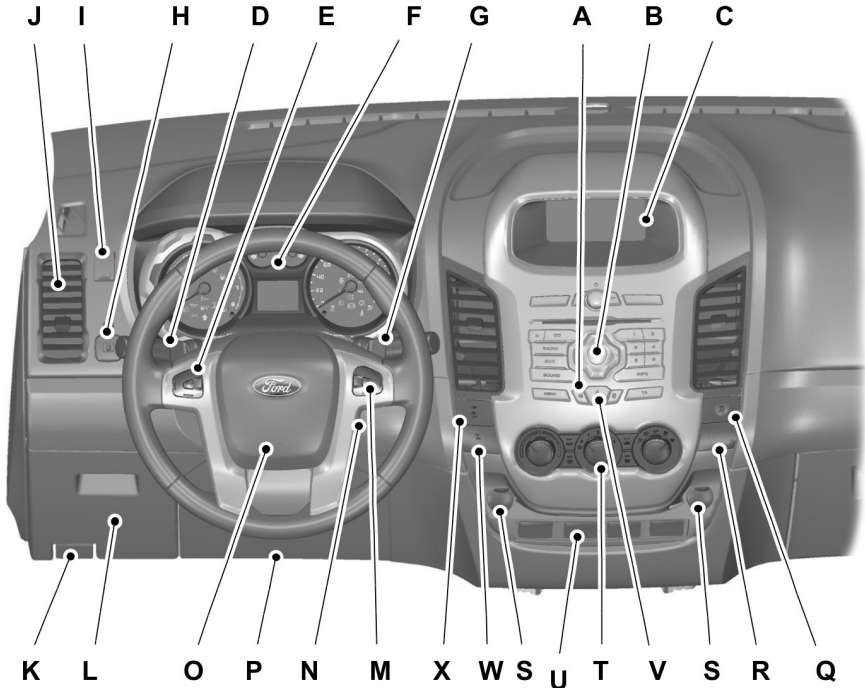
Right-Hand Drive



E175255

At a Glance

Left-Hand Drive



E175256

- A Door lock button. See **Locking and Unlocking** (page 36).
- B Audio unit. See **Audio unit overview** (page 205).
- C Multi-functional display.
- D Multi-function lever: Direction indicators. See **Direction Indicators** (page 47). Main Beam. See **Lighting Control** (page 43). or Wiper lever. See **Wipers and Washers** (page 41).
- E Audio control. See **Audio Control** (page 39).

At a Glance

- F Instrument cluster. See **Gauges** (page 53). See **Warning Lamps and Indicators** (page 53).
- G Multi-function lever: Direction indicators. See **Direction Indicators** (page 47). Main Beam. See **Lighting Control** (page 43). or Wiper lever. See **Wipers and Washers** (page 41).
- H Exterior mirror control. See **Exterior Mirrors** (page 51).
- I Headlamp levelling switch. See **Headlamp Leveling** (page 46).
- J Air vents. See **Air Vents** (page 65).
- K Bonnet release lever. See **Opening and Closing the Hood** (page 150).
- L Driver side storage compartment. See **Glove Box** (page 80).
- M Cruise control. See **Cruise Control** (page 116).
- N Ignition switch. See **Ignition Switch** (page 82).
- O Horn.
- P Driver knee airbag. See **Principle of Operation** (page 27).
- Q Stability control (ESP) switch. See **Using Stability Control** (page 107).
- R Passenger airbag deactivation warning lamp. See **Passenger Airbag** (page 28).
- S Auxiliary power sockets. See **Auxiliary Power Points** (page 79).
- T Climate controls. See **Manual Climate Control** (page 65).
- U Auxiliary input and USB. See **Auxiliary input jack** (page 226). or Auxiliary switches.
- V Hazard warning flasher switch. See **Hazard Warning Flashers** (page 135).
- W Electronic Locking Differential (ELD) button. See **Electronic Locking Differential** (page 102).
- X Hill descent control. See **Terrain Response** (page 109).

Child Safety

INSTALLING CHILD SEATS









E133140




E68916

WARNINGS

-  Use an approved child seat to secure children less than 59 inches (150 centimeters) tall in the rear seat.
-  Extreme Hazard! Do not use a rearward facing child seat on a seat protected by an air bag in front of it!
-  Read and follow the manufacturer's instructions when you are installing a child seat.
-  Do not modify child seats in any way.
-  Do not hold a child on your lap when your vehicle is moving.
-  Do not leave unattended children in your vehicle.

WARNINGS

-  If your vehicle has been involved in a crash, have the child seats checked by an authorized dealer.

Note: *Mandatory use of child seats varies from country to country.*

Only child seats certified to ECE-R44.03 (or later) have been tested and approved for use in your vehicle. A choice of these are available from an authorized dealer.

Child Seats for Different Mass Groups

Use the correct child seat as follows:

Baby Safety Seat



E68918

Secure children that weigh less than 29 pounds (13 kilograms) in a rearward facing baby safety seat (Group 0+) on the rear seat.

Child Safety

Child Safety Seat








E68920

Secure children that weigh between 29 and 40 pounds (13 and 18 kilograms) in a child safety seat (Group 1) on the rear seat.

Booster Seats

WARNINGS

-  Do not install a booster seat or a booster cushion with only the lap strap of the safety belt.
-  Do not install a booster seat or a booster cushion with a safety belt that is slack or twisted.
-  Do not put the safety belt under your child's arm or behind their back.
-  Do not use pillows, books or towels to boost your child's height.
-  Make sure that your children sit in an upright position.

Note: When using a child seat on a rear seat, make sure that the child seat rests tightly against the vehicle seat. It may be necessary to lift or remove the head restraint. See **Head Restraints** (page 76).

Booster Seat (Group 2)



E70710

Secure children that weigh more than 33 pounds (15 kilograms) but are less than 59 inches (150 centimeters) tall in a booster seat or a booster cushion.

We recommend that you use a booster seat that combines a cushion with a backrest instead of a booster cushion only. The raised seating position will allow you to position the shoulder strap of the adult safety belt over the center of your child's shoulder and the lap strap tightly across their hips.

Booster Cushion (Group 3)



E68924

Child Safety

ISOFIX Anchor Points

WARNING



Use an anti-rotation device when using the ISOFIX system. We recommend the use of a top tether or support leg.

Note: When you are purchasing an ISOFIX seat, make sure that you know the correct mass group and ISOFIX size class for the intended seating locations. See **Child Seat Positioning** (page 21).

Your vehicle has ISOFIX anchor points that accommodate universally approved ISOFIX child seats.

The ISOFIX system comprises two rigid attachment arms on the child seat that attach to anchor points on the outboard rear seats, where the cushion and backrest meet. Tether anchor points are located in the back panel trim for child seats with a top tether.

Top Tether Anchor Points



E136844

Attaching a Child Seat with Top Tethers

WARNINGS



Do not attach a tether strap to anything other than the correct tether anchor point.



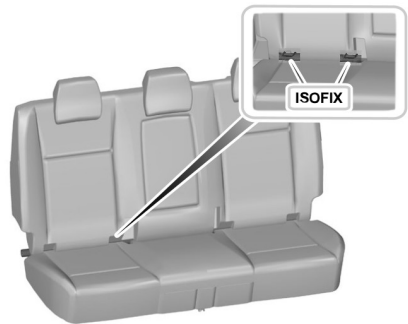
Make sure that the top tether strap is not slack or twisted and is properly located on the anchor point.



make sure

Note: You may need to raise or remove the head restraint to ease installation. See **Head Restraints** (page 76).

1. Place the child seat on the back seat cushion and fold the relevant seatback forward. See **Rear Seats** (page 76).
2. Route the tether strap under the head restraint to the anchor point.



E132631

3. Push the seatback to the upright position.
4. Push the child seat back firmly to engage the ISOFIX lower anchor points.
5. Tighten the tether strap in line with the child seat manufacturer's instructions.

Child Safety

CHILD SEAT POSITIONING

WARNINGS



See an authorized dealer for the latest details relating to our recommended child seats.



Extreme Hazard! Do not use a rearward facing child seat on a seat protected by an air bag in front of it!

WARNINGS



When using a child seat with a support leg, the support leg must rest securely on the floor.



When using a child seat with a safety belt, make sure that the safety belt is not slack or twisted.



The child seat must rest tightly against the vehicle seat. It may be necessary to lift or remove the head restraint. See **Head Restraints** (page 76).

Seating positions	Mass group categories				
	0	0+	1	2	3
	Up to 22 lbs (10 kg)	Up to 29 lbs (13 kg)	20 - 40 lbs (9 - 18 kg)	33 - 55 lbs (15 - 25 kg)	46 - 79 lbs (22 - 36 kg)
Front passenger seat with airbag ON	X	X	UF ¹	UF ¹	UF ¹
Front passenger seat with airbag OFF	U ¹	U ¹	U ¹	U ¹	U ¹
Rear seats	U	U	U	U	U
Single cab center seat	X	X	X	X	X

X Not suitable for children in this mass group.

U Suitable for universal category child seats approved for use in this mass group.

U¹ Suitable for universal category child seats approved for use in this mass group. However, we recommend that you secure children in a government approved child seat, on the rear seat.

UF¹ Suitable for universal category forward facing child seats approved for use in this mass group. However, we recommend that you secure children in a government approved child seat, on the rear seat.

Note: When using a child seat on a front seat, always adjust the front passenger's seat to its fully rearward position. If it proves difficult to tighten the lap section of the safety belt without slack remaining, adjust the seatback to the fully upright position and raise the height of the seat. See **Seats** (page 72).

Child Safety

ISOFIX Child Seats

Seating positions		Mass group categories	
		O+	1
		Rear facing	Forward facing
		Up to 29 lbs (13 kg)	20 - 40 lbs (9 - 18 kg)
Front seat	Size class	Not ISOFIX equipped	
	Seat type		
Rear outboard seat ISOFIX	Size class	C, D, E ¹	A, B, B1, C, D ¹
	Seat type	IL ²	IL, IUF ³
Rear center seat	Size class	Not ISOFIX equipped	
	Seat type		

IL Suitable for particular ISOFIX child seat systems of the semi-universal category. Please consult child seat systems suppliers' vehicle recommendation lists.

IUF Suitable for ISOFIX forward facing child seat systems of universal category approved for use in this mass group and ISOFIX size class.

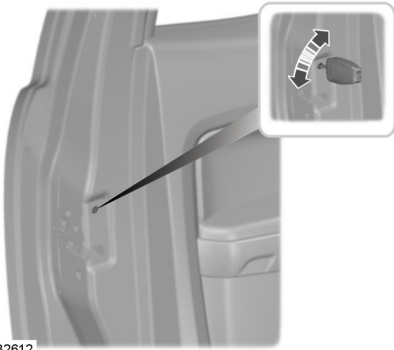
¹The ISOFIX size class for both universal and semi-universal child seat systems is defined by the capital letters A to G. These identification letters are displayed on ISOFIX child seat.

²At time of publishing the recommended Group O+ ISOFIX baby safety seat is the Britax Romer Baby Safe. See an authorized dealer for the latest details relating to our recommended child seats.

³At time of publishing the recommended Group 1 ISOFIX child seat is the Britax Romer Duo. See an authorized dealer for the latest details relating to our recommended child seats.

Child Safety

CHILD SAFETY LOCKS



E132612

WARNING



You cannot open the doors from inside if you have put the child safety locks on.

Left-hand side

Turn counterclockwise to lock and clockwise to unlock.







Right-hand side

Turn clockwise to lock and counterclockwise to unlock.

Safety Belts

PRINCIPLE OF OPERATION


WARNINGS

-  Wear a seat belt and keep sufficient distance between yourself and the steering wheel. Only when you use the seat belt properly, can it hold you in a position to achieve its optimum effect.
-  Never use a seat belt for more than one person.
-  Use the correct buckle for each seat belt.
-  Do not use a seat belt that is slack or twisted.
-  Do not wear thick clothing. The seat belt must fit tightly around your body to achieve its optimum effect.
-  Position the shoulder strap of the seat belt over the center of your shoulder and position the lap strap tightly across your hips.

The driver and front passenger seat belt retractors are fitted with a seat belt pretensioner. Seat belt pretensioners have a lower deployment threshold than the air bags. During minor collisions, it is possible that only the seat belt pretensioners will deploy.



Status After a Collision

WARNING

-  If your vehicle has been involved in an accident, have the seat belts and anchorages checked by properly trained technicians.

FASTENING THE SAFETY BELTS

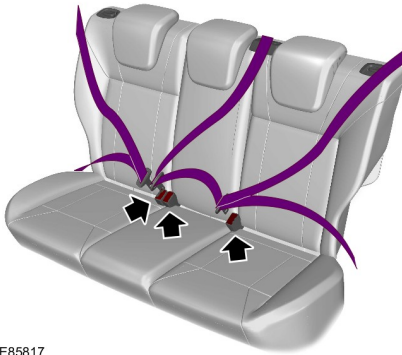
WARNINGS

-  Insert the tongue into the buckle until you hear a distinct click. You have not fastened the safety belt correctly if you do not hear a click.
-  Make sure that your safety belt is securely stored away and is not outside your vehicle when closing the door.



E74124

Safety Belts



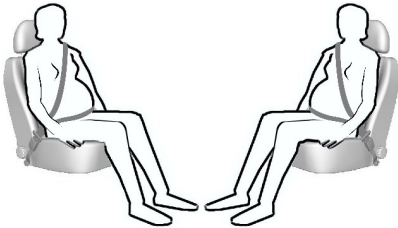
E85817

Pull the belt out steadily. It may lock if you pull it sharply or if your vehicle is on a slope.

The rear outer safety belts can lock if you return the seatback from a folded position to the upright position forcefully. Should the safety belt lock, recline the seat using the recline adjustment. See **Rear Seats** (page 76).

Press the red button on the buckle to release the belt. Hold the tongue and let it retract completely and smoothly to its stowed position.

Using Safety Belts During Pregnancy



E68587

WARNING



Position the safety belt correctly for your safety and that of your unborn child. Do not use only the lap strap or the shoulder strap.

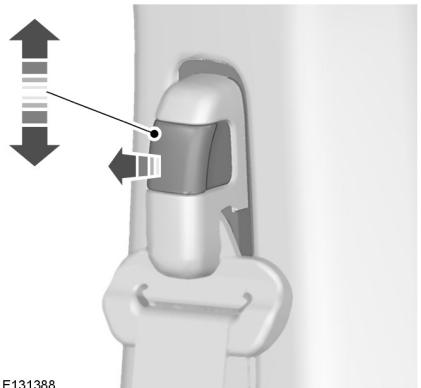
Pregnant women should always wear their safety belt. The lap belt portion of a combination lap and shoulder belt should be positioned low across the hips below the belly and worn as tight as comfort will allow. The shoulder belt should be positioned to cross the middle of the shoulder and the center of the chest.

SAFETY BELT HEIGHT ADJUSTMENT

WARNING



Position the safety belt height adjuster so that the safety belt rests across the middle of your shoulder. Failure to adjust the safety belt correctly could reduce its effectiveness and increase the risk of injury in a crash.



E131388

Safety Belts

To adjust the shoulder belt height, pull the button and slide the height adjuster up or down.

SAFETY BELT MINDER

WARNING



The system will only provide protection when you use the safety belt correctly.

Type 1: The warning lamp illuminates for 6 seconds when you switch the ignition on to remind the driver to fasten the safety belt.

Type 2: The warning lamp continues to illuminate when the driver's safety belt is not fastened.

Type 3: The warning lamp illuminates and a tone sounds when the following conditions have been met:

- The front safety belts have not been fastened.
- Your vehicle exceeds a relatively low speed.

It will also illuminate when a front safety belt is unfastened in an occupied seat and your vehicle is moving.

If you do not fasten your safety belt, the audible warning will turn off automatically after approximately five minutes. The warning lamp continues to illuminate until you fasten the safety belt.


Switching the Safety Belt Minder Off


See an authorized dealer.


Supplementary Restraints System


PRINCIPLE OF OPERATION


WARNINGS


 Extreme Hazard! 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.


 Do not modify the front of your vehicle in any way. This could adversely affect deployment of the airbags. Failure to adhere to this warning could result in serious personal injury or death.

 Wear a safety belt and keep sufficient distance between yourself and the steering wheel. Only when you use the safety belt correctly, can it hold you in a position that allows the airbag to achieve its optimum effect. See **Sitting in the Correct Position** (page 72). Failure to adhere to this warning could result in serious personal injury or death.

 Repairs to the steering wheel, steering column, seats, airbags and safety belts must be carried out by an authorized dealer. Failure to adhere to this warning could result in serious personal injury or death.

 Keep the areas in front of the airbags free from obstruction. Do not affix anything to or over the airbag covers. In the event of a crash, hard objects could cause serious personal injury or death.

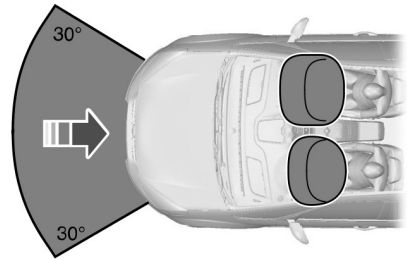
 Do not puncture the seat with sharp objects. This could damage and adversely affect deployment of the airbags. Failure to adhere to this warning could result in serious personal injury or death.

 Use seat covers designed for seats with side airbags. Have these fitted by an authorized dealer. Failure to adhere to this warning could result in serious personal injury or death.

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

Note: Only wipe airbag covers with a damp cloth.

DRIVER AIRBAG

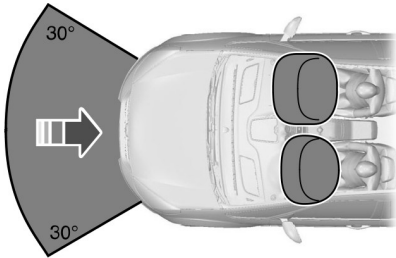


E74302

The airbag will deploy during significant frontal collisions or collisions that are up to 30 degrees from the left or the right. The airbag will inflate within a few thousandths of a second and deflate on contact with the occupant, thus cushioning forward body movement. During minor frontal collisions, overturns, rear collisions and side collisions, the airbag will not deploy.

Supplementary Restraints System

PASSENGER AIRBAG




E74302

The airbag will deploy during significant frontal crashes or crashes that are up to 30 degrees from the left or the right. The airbag will inflate within a few thousandths of a second and deflate on contact with the occupant, thus cushioning forward body movement. During minor frontal crashes, overturns, rear crashes and side crashes, the airbag will not deploy.

Fitting the Passenger Airbag Deactivation Switch


WARNING

 If you need to fit a child restraint on a seat protected by an operational airbag in front of it, have a passenger airbag deactivation switch fitted. Have this fitted by an authorized dealer.

If the airbag warning lamp illuminates or flashes when you are driving, this indicates a malfunction. Remove the child restraint and have the system checked immediately.

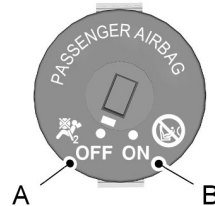
Switching the Passenger Airbag Off

WARNING

 You must switch the airbag off when using a rearward facing child seat on the front seat.



E131289



E136174

- A Switch off
- B Switch on

Turn the switch to position A.



When you switch the ignition on, check that the airbag deactivation warning lamp illuminates.

Note: The key switch is located in the glove compartment with the airbag deactivation warning lamp in the instrument panel.

Supplementary Restraints System

Switching the Passenger Airbag On

WARNING



You must switch the airbag on when you are not using a child seat on the front seat.

Turn the switch to position B.



When you switch the ignition on, check that the airbag activation warning lamp illuminates.

Note: The key switch is located in the glove compartment with the airbag deactivation warning lamp in the instrument panel.

SIDE AIRBAGS

WARNING



Use seat covers designed for seats with side airbags. Have these fitted by an authorized dealer.



E72658

The airbags are located inside the seatback of the front seats. There is a label attached to the side of the seatback to indicate this.

The airbag will deploy during significant lateral collisions. The airbag will not deploy in minor lateral and frontal collisions, rear collisions, or overturns.

DRIVER KNEE AIRBAG

WARNING



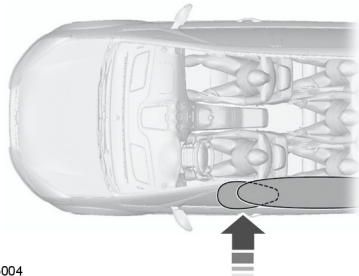
Do not attempt to open the airbag cover.

The airbag will deploy during frontal collisions or collisions that are up to 30 degrees from the left or the right. The airbag will inflate within a few thousandths of a second and deflate on contact with the occupants, thus providing a cushion between the driver's knees and the steering column. During overturns, rear collisions and side collisions, the knee airbag will not deploy.

For item location: See **Instrument Panel Overview** (page 15).

Note: The airbag has a lower deployment threshold than the front airbags. During a minor collision, it is possible that only the knee airbag will deploy.

SIDE CURTAIN AIRBAGS



E75004

The airbags are located over the front and rear side windows.

Supplementary Restraints System

The airbag will deploy during significant lateral collisions. It will also deploy during significant frontal angled collisions. The curtain airbag will not deploy in minor lateral and frontal collisions, rear collisions, or overturns.

Keys and Remote Controls

GENERAL INFORMATION ON RADIO FREQUENCIES

Note: *Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

The typical operating range for your transmitter is approximately 33 ft (10 m).

A decrease in operating range could be caused by:

- weather conditions
- nearby radio towers
- structures around your vehicle
- other vehicles parked next to your vehicle.

The radio frequency used by your remote control can also be used by other short distance radio transmissions (e.g. amateur radios, medical equipment, wireless headphones, remote controls 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 your vehicle is locked before leaving it unattended.*

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

REMOTE CONTROL

You can program a maximum of eight remote controls to your vehicle. This includes any that were supplied with your vehicle. The remote controls must remain inside your vehicle during the programming procedure. Fasten the front safety belts and close all doors to make sure that conflicting chimes do not sound during programming.

Programming a New Remote Control

1. Turn the ignition key from position 0 to position II four times within six seconds.
2. Turn the ignition to position 0. A tone sounds to indicate that it is now possible to program a remote control.
3. Press any button on a new remote control within 10 seconds. A tone will sound as confirmation.
4. Repeat step three within 10 seconds for each new remote control. Do not remove the key from the ignition when pressing the button on the remote control.
5. Switch the ignition back on (position II) or wait for 10 seconds without programming another remote control to end the key programming. Only the remote controls which you have just programmed are now able to lock and unlock your vehicle.

Reprogramming the Unlocking Function

Note: *When you press the unlock button either all the doors are unlocked or only the driver's door and the liftgate are unlocked. Pressing the unlock button again unlocks all the doors.*

Press and hold the unlock and lock buttons on the remote control simultaneously for at least four seconds with the ignition off. The direction indicators will flash twice to confirm the change.

To return to the original unlocking function, repeat the process.

Programming the additional key

Note: *You will need to have two programmed keys for this procedure.*

1. Insert the first key and turn the ignition on.

Keys and Remote Controls

2. Remove the key within 10 seconds.
3. Insert the second key within 10 seconds and turn the ignition on.
4. Remove the key within 10 seconds.
5. Insert the additional key within 10 seconds which need to be programmed.

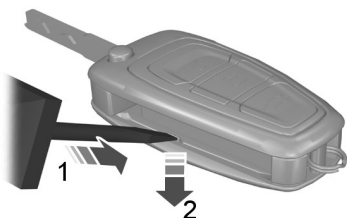
Changing the Remote Control Battery



Make sure that you dispose of old batteries in an environmentally friendly way.

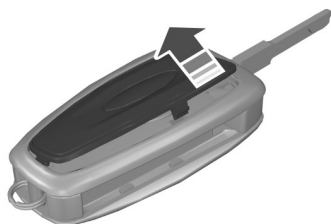
Seek advice from your local authority regarding recycling.

Remote Control With a Folding Key Blade



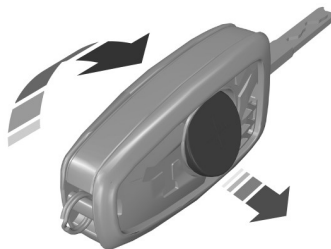
E128809

1. Insert a screwdriver as far as possible into the slot on the side of the remote control, gently push the clip.
2. Press the clip down to release the battery cover.



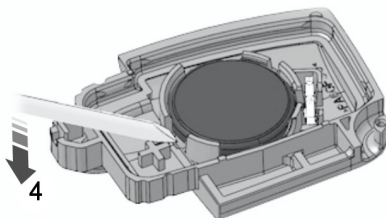
E128810

3. Carefully remove the cover.



E128811

4. Turn the remote control over to remove the battery.



E126280

Note: Do not touch the battery contacts or the printed circuit board with the screwdriver.

5. Install a new battery (3V CR 2032) with the + facing upwards.
6. Replace the battery cover.

Keys and Remote Controls

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. See **Passive Anti-Theft System** (page 34).

To re-program the passive anti-theft system see an authorized dealer.

Security

PASSIVE ANTI-THEFT SYSTEM

Principle of Operation

The system prevents someone from starting the engine with an incorrectly coded key.

Coded Keys

If you lose a key, you can obtain a replacement from an authorized dealer. If possible, provide them with the key number from the tag provided with the original keys. You can also obtain extra keys from an authorized dealer.

Note: Have all of your remaining keys erased and recoded if you lose a key. Have replacement keys coded together with recoding your remaining keys. See an authorized dealer for further information.

Note: Do not shield your keys with metal objects. This may prevent the receiver from recognizing a coded key.

Arming the Engine Immobilizer

When you switch the ignition off the engine immobilizer will arm automatically after a short time.

Disarming the Engine Immobilizer

When you switch the ignition on the engine immobilizer will disarm automatically if a correctly coded key is used.

If you are unable to start the engine with a correctly coded key, have your vehicle checked by an authorized dealer.

ANTI-THEFT ALARM

Alarm System

Your vehicle may have one of the following alarm systems:

- Perimeter alarm with interior sensors.
- Perimeter alarm with interior sensors and battery back-up sounder.

Perimeter Alarm

The perimeter alarm is a deterrent against unauthorized access to your vehicle through the doors and the hood.

Interior Sensors



E133698

WARNINGS



Do not cover up the interior lamp unit sensors.



Do not arm the alarm with full guard if passengers, animals or other moving objects are inside your vehicle.



Do not leave the rear seat cushion folded up in the double cab when the interior sensors are armed.



Do not leave the glasses holder open.

The sensors act as a deterrent against unauthorized intrusion by sensing any movement within your vehicle.

Arming the alarm will activate the interior sensors.

Note: To permanently deactivate the interior motion sensor, see an authorized dealer.

Security

Note: Fuel fired heater may trigger false alarms. If you are using the fuel fired heater, direct the air flow towards the foot well.

Battery Back-up Sounder

The battery back-up sounder is an additional alarm system that will sound a siren when the alarm is triggered. When you lock your vehicle the system is armed. The sounder has its own battery and will sound an alarm siren even if someone disconnects your vehicle battery or the battery back-up sounder itself.

Triggering the Alarm

Once armed, the alarm is triggered in any of the following ways:

- If someone opens a door or the hood without a valid key or remote control.
- If someone removes the multi-function display.
- If you switch the ignition on without a valid key.
- If the interior sensors detect movement within your vehicle.
- On vehicles with a battery back-up sounder, if someone disconnects your vehicle battery or the battery back-up sounder itself.

If the alarm is triggered, the alarm horn will sound for 30 seconds and the hazard warning flasher will flash for five minutes.

Any further attempts to perform one of the above will trigger the alarm again.

Full and Reduced Guard

Full Guard

Full guard is the standard setting.

In full guard, the interior sensors are on when you arm the alarm.

Note: This may result in false alarms if animals or moving objects are inside your vehicle.

Reduced Guard

Note: To switch this feature on or off, see an authorized dealer.

In reduced guard, the interior sensors are off when you arm the alarm.

Note: Reduced guard is available only on vehicles with remote central locking.

Note: You can set the alarm to reduced guard for the current ignition cycle only. The alarm will reset to full guard the next time you unlock and then relock the vehicle with the remote control.

Selecting Full or Reduced Guard

To activate reduced guard, lock the doors with the key.

To deactivate reduced guard, unlock the doors with the key or remote control.

To activate full guard, lock the doors with the remote control.

Note: You can set the alarm to reduced guard for the current ignition cycle only. The alarm will reset to full guard the next time you unlock and then relock the vehicle with the remote control.

Arming the Alarm

To arm the alarm, lock your vehicle. See **Locks** (page 36).

Disarming the Alarm

Disarm and silence the alarm by unlocking the doors with the key and switching the ignition on with a correctly coded key within 12 seconds or unlocking the doors with the remote control.

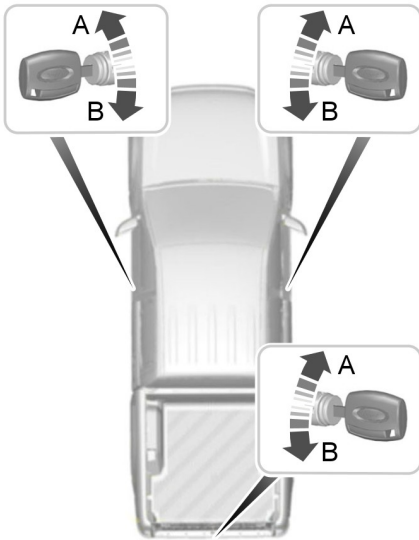
Locks

LOCKING AND UNLOCKING

Note: Do not leave your keys in the vehicle.

Note: All the doors will lock automatically when the vehicle is driven at or above 7 Km/h (4.3 mph). This function can be enabled or disabled, see **driver configuration mode** later in this procedure.

Locking and unlocking the doors with the key



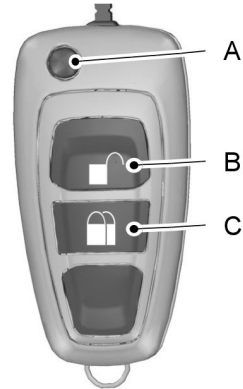
E131447

- A Unlock
- B Lock

Note: To **double lock** the doors, turn the key to the lock position twice within three seconds.

Locking and unlocking the doors with the remote control

Automatic relocking: The doors will relock automatically if you do not open a door within 45 seconds of unlocking the doors with the remote control. The door locks and the alarm will return to their previous state.



E131278

- A Key fold/unfold button
- B Unlock
- C Lock

Press the button **B** once to unlock the vehicle.

Press the button **C** once to activate central locking.

Note: Central locking is activated only when all the passenger doors are closed.

Press the button **C** twice within four seconds to double lock the doors.

Note: Double locking is activated only when all the passenger doors are closed and the hood is closed in the vehicle fitted with alarm.

Locks

WARNING



Do not activate double locking when persons or animals are inside the vehicle. You will not be able to unlock the doors from inside if you have double locked them.

Note: If the ignition is switched on with the double locking function activated, the lock will automatically return to single lock stage.

Double locking is a theft protection feature that prevents someone from opening the doors from the inside.

Note: The driver's door can be unlocked with the key. This needs to be used if the remote control is not functioning.

Note: If the vehicle remains locked for several weeks, the remote control will be disabled. The vehicle must be unlocked and the engine started using the key. Unlocking and starting the vehicle once will enable the remote control.

Reprogramming the unlocking function

The unlocking function may be reprogrammed so that only the driver's door is unlocked. See **Remote Control** (page 31).

Locking and unlocking confirmation

Note: When you lock the doors, the direction indicators will flash once.

When you double lock the doors, the direction indicators will flash twice. When you unlock the doors the direction indicators will flash one long flash.

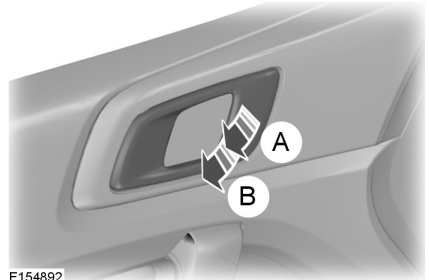
Child protection function

If the remote control buttons are pressed continuously several times, the locking and unlocking function will be blocked for a while to avoid door latches from overheating.

Locking and unlocking the doors from inside



Press the button. For item location. See **Instrument Panel Overview** (page 15).



E154892

- A Unlock
- B Open

Driver configuration mode

Note: This operation has to be done within **30 seconds**.

1. Switch the ignition ON.
2. Press door lock button three times.
3. Switch the ignition OFF.
4. Press door lock button three times.
5. Switch the ignition ON.

The system will chirp to indicate that the driver configuration mode is enabled.

Once in driver configuration mode, follow the steps mentioned below to toggle the status of the automatic locking by speed or automatic unlocking.

Locks

Automatic locking by speed

Press the central lock or unlock button twice within three seconds and wait for three seconds to toggle the automatic locking by speed function. The system will chirp when toggling.

Automatic unlocking

Note: *Automatic unlock is default enabled.*

Press the central lock or unlock button three times within three seconds and wait for three seconds to toggle the automatic unlocking function.

If the automatic unlocking function is enabled:

- All doors will be unlocked while opening the driver door or front passenger door (vehicles not delivered with remote control) from inside, with the key in ignition.

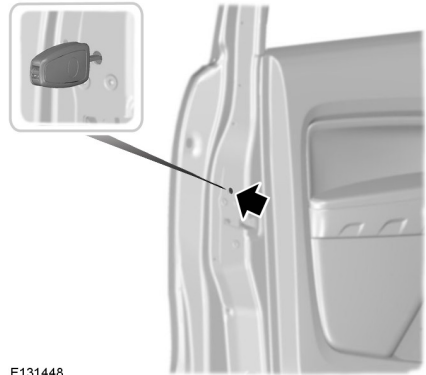
If the automatic unlocking function is disabled:

- Only the respective door will be unlocked while opening from inside.

Note: *Opening the rear doors will never unlock the other doors, when opened from inside.*

Locking the doors individually with the key

Note: *If the central locking function fails to operate, the doors can be individually locked using the key in the position shown.*



E131448

Left-hand side

Turn clockwise to lock.

Right-hand side

Turn counterclockwise to lock.

Unlocking

Note: *If the child safety locks have also been activated, pulling the internal lever will only deactivate the emergency locking and not the child safety lock. The doors can only be opened using the external door handle.*

Note: *If the doors have been unlocked, they have to be locked individually using this method until the central locking function has been repaired.*

Unlock the driver's door using the key. The other doors can be unlocked individually by pulling the interior door handles on those doors.

Steering Wheel

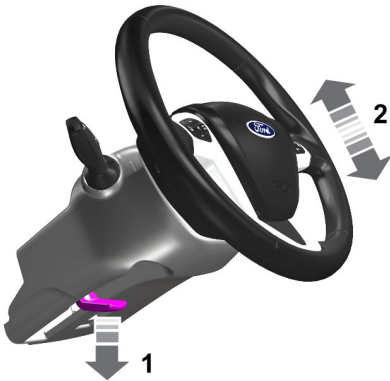
ADJUSTING THE STEERING WHEEL

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 72).



E161488

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



E95179

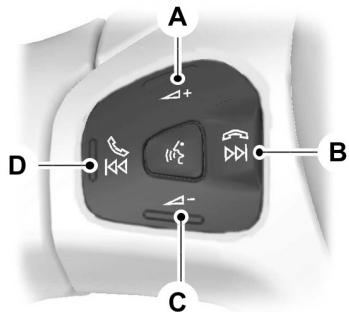
3. Lock the steering column.

AUDIO CONTROL

Select the required source on the audio unit.

You can operate the following functions with the control:

Type 1



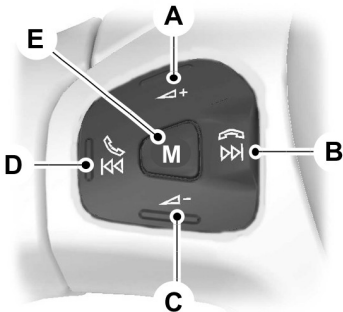
E164289

- A Volume up
- B Seek up, next or end call

Steering Wheel

- C Volume down
- D Seek down, previous or accept call

Type 2



E164290

- A Volume up
- B Seek up or next
- C Volume down
- D Seek down or previous
- E Mode

Press **M** to select the audio source.

Seek, Next or Previous

Press the seek button to:

- tune the radio to the next or previous stored preset.
- play the next or the previous track.

Press and hold the seek button to:

- tune the radio to the next station up or down the frequency band.
- seek through a track.

VOICE CONTROL (IF EQUIPPED)



E141533

Push the control to switch on or off the voice control.

CRUISE CONTROL



E141961

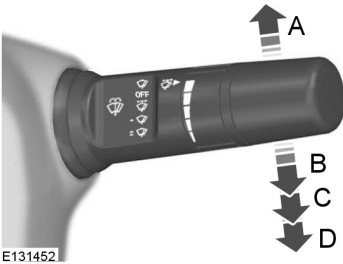
See **Cruise Control** (page 116).

Wipers and Washers

WINDSHIELD WIPERS

CAUTION

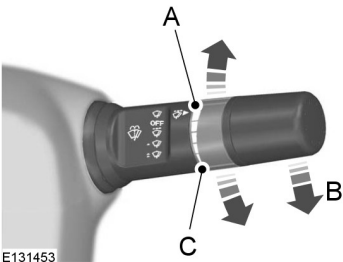
- ⚠ Operating this function with the engine off will drain the battery.



E131452

- A Single wipe
- B Intermittent wipe or autowipers
- C Normal wipe
- D High speed wipe

Intermittent wipe



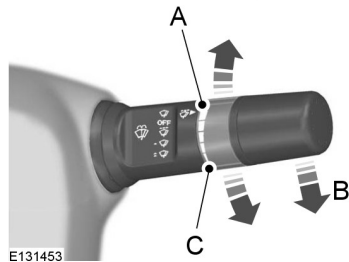
E131453

- A Long wipe interval
- B Intermittent wipe
- C Short wipe interval

AUTOWIPERS

CAUTIONS

- ⚠ Do not switch autowipers on in dry weather conditions. The rain sensor is very sensitive and the wipers may operate if dirt, mist or insects hit the windshield.
- ⚠ Replace the wiper blades as soon as they begin to leave bands of water and smears. If you do not replace them, the rain sensor will continue to detect water on the windshield and the wipers will operate, even though the majority of the windshield is dry.
- ⚠ Fully defrost the windshield in icy conditions before you switch autowipers on.
- ⚠ Switch autowipers off before you enter a car wash.



E131453

- A High sensitivity
- B On
- C Low sensitivity


If you switch autowipers on, the wipers will not cycle until water is detected on the windshield. The rain sensor will then continuously measure the amount of water on the windshield and adjust the speed of the wipers automatically.

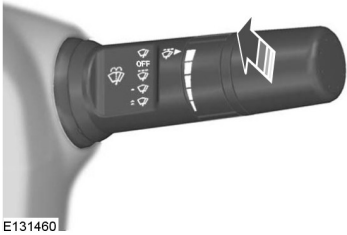
Wipers and Washers

Adjust the sensitivity of the rain sensor using the rotary control. With low sensitivity, the wipers will operate when the sensor detects a lot of water on the windshield. With high sensitivity, the wipers will operate if the sensor detects a small amount of water on the windshield.


WINDSHIELD WASHERS

CAUTION

 Operating this function with the engine off will drain the battery.



WARNING

 Do not operate the windshield washers for more than 10 seconds or when the reservoir is empty.

Lighting

GENERAL INFORMATION

Condensation in Lamp Assemblies

Exterior 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:

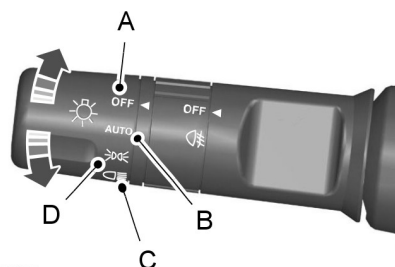
- The presence of a fine mist (no streaks, drip marks or large droplets).
- A fine mist covers less than 50% of the lens.

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



E1133582

- A Off
- B Auto-light control
- C Headlamps
- D Parking lamps, instrument panel lamps, license plate lamps and tail lamps

Parking Lamps

WARNING



Prolonged use of the parking lamps when the ignition is off will cause the battery to run out of charge.

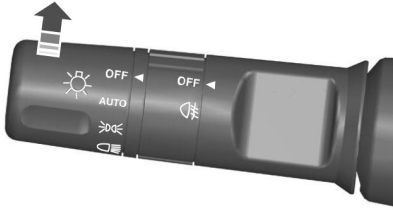
Select position D on the lighting control to switch the parking lamps on. The parking lamps operate with the ignition on or off.

Move the lever up or down to switch the right or left hand side parking lamp.

Note: Switch on the parking lamp within 10 minutes from the key out, reinsert the key if exceeded.

Lighting

High Beams



E133583

Pull the lever toward you to switch between high beam and low beam.

Headlamp Flasher

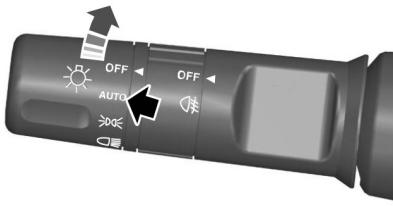
Pull the lever toward you slightly and release it to flash the headlamps.

AUTOLAMPS

WARNING



In severe weather conditions, it may be necessary to switch your headlamps on manually.

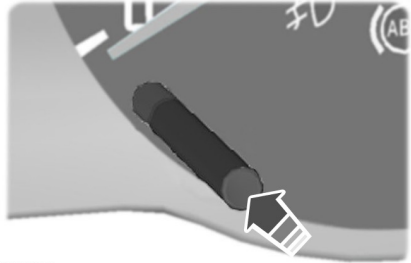


E133599

Note: If you have switched autolamps on, you can only switch the high beam on when autolamps has switched the headlamps on.

The headlamps will come on and go off automatically depending on the ambient light.

INSTRUMENT LIGHTING DIMMER



E133586

Press it repeatedly or press it and hold it until the desired level is reached.

Note: If you disconnect the battery or it loses charge the instrument lighting will return to its brightest setting.

HEADLAMP EXIT DELAY

Switch the ignition off and pull the direction indicator lever toward you to switch the headlamps on. A short tone will sound. They will automatically turn off after three minutes or 30 seconds after the last door is closed.

Opening any door within 30 seconds after closing all the doors will result in three minute timer starting again.

Switch the ignition on or pull the direction indicator lever towards you again to switch the headlamp exit delay off.

Lighting

DAYTIME RUNNING LAMPS (IF EQUIPPED)

WARNING



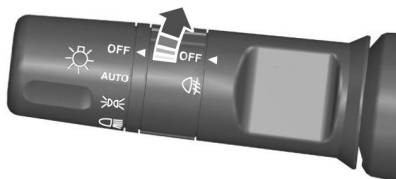
Always remember to switch your headlamps on in low light situations or during inclement weather. The system does not activate the tail lamps and may not provide adequate lighting during these conditions. Failure to activate your headlamps under these conditions may result in a collision.

To switch the system on:

1. Switch the ignition on.
2. Switch the lighting control to the off or autolamp position.

FRONT FOG LAMPS

Control lever



E133585

WARNING



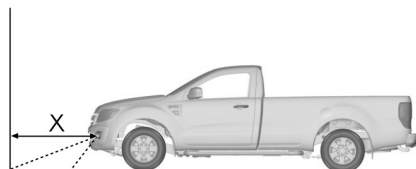
Only use the front fog lamps when visibility is considerably restricted by fog, snow or rain.

Note: You cannot switch the front fog lamps on unless you have switched the headlamps on.

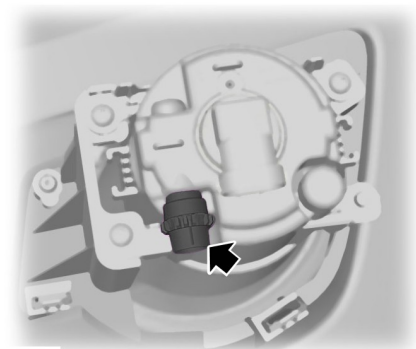
Adjustment

You can adjust the front fog lamp aiming slightly for driving comfort.

Note: Fog lamp adjustment must meet the local regulation requirements.



E136853

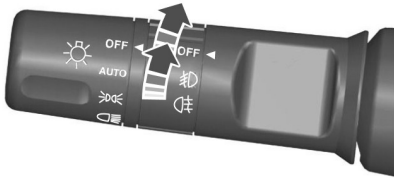


E136854

1. Position the unloaded vehicle on a flat, level surface.
2. Seat one person in the driver's seat.
3. Start the engine so that the battery remains charged.
4. Turn the front fog lamp on.
5. Adjust the fog lamp aiming such that the cut off line is not more than **X**: 20 m (65.6 ft).


Lighting


REAR FOG LAMPS



E136254

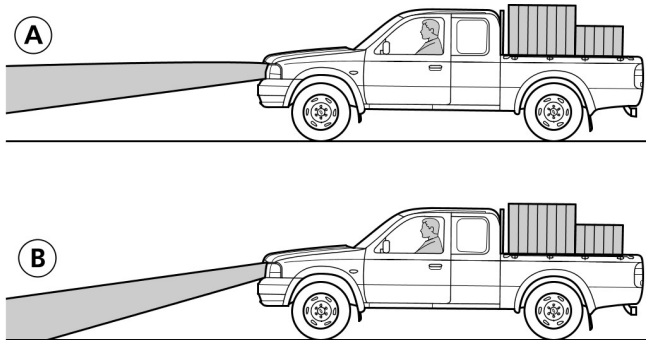
WARNINGS

 Only use the rear fog lamps when visibility is restricted to less than 50 meters (164 feet).

 Do not use the rear fog lamps when it is raining or snowing and visibility is more than 50 meters (164 feet).

Note: You cannot switch the rear fog lamps on unless you have switched the headlamps and front fog lamp on.

HEADLAMP LEVELING

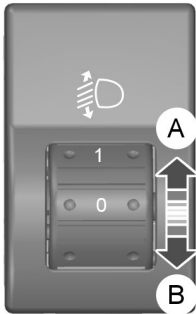


E78244

- A Without headlamp leveling
- B With headlamp leveling

You can adjust the level of the headlamp beams according to the vehicle load.

Lighting

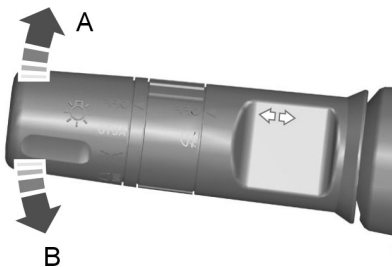


E133544

- A Raised headlamp beams
- B Lowered headlamp beams

Set the headlamp leveling control to zero when your vehicle is unloaded. Set it to provide illumination between 35 and 100 meters (114 and 328 feet) when your vehicle is partially or fully loaded.

DIRECTION INDICATORS



E131285

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

APPROACH LAMPS (IF EQUIPPED)

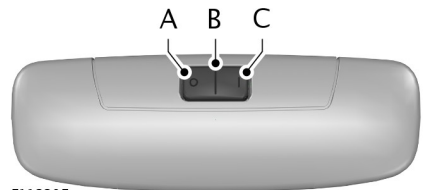
The side repeaters, number plate lamp and the puddle lamps will come on and stays illuminated for 25 seconds when the vehicle is unlocked with the remote control.

If you open a door the light will stay on until:

- The door is closed
- Ignition is turned on
- 10 minutes

INTERIOR LAMPS

Courtesy lamp



E112207

- A Off
- B Door contact
- C On

If you set the switch to position **B**, the courtesy lamp will come on when you unlock or open a door. If you leave a door open with the ignition switch off, the courtesy lamp will go off automatically after some time to prevent the vehicle battery from discharging. To switch it back on, switch on the ignition for a short time.

The courtesy lamp will also come on when you switch off the ignition. It will go off automatically after a short time or when you start or restart the engine.

Lighting

If you set the switch to position **C** with the ignition switch off, the courtesy lamp will come on. It will go off automatically after a short time to prevent the vehicle battery from discharging. To switch it back on, switch on the ignition for a short time.

Reading lamps




E112208


If you switch off the ignition, the reading lamps will go off automatically after some time to prevent the vehicle battery from discharging. To switch them back on, switch on the ignition for a short time.

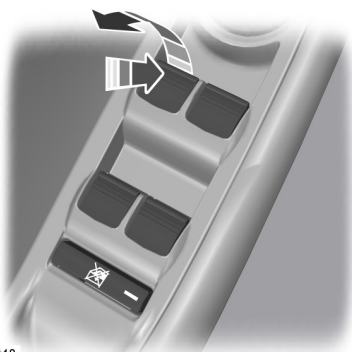
Windows and Mirrors

POWER WINDOWS

WARNINGS

 Do not leave children unattended in your vehicle and do not let them play with the power windows. They may seriously injure themselves.

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



E70848

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.

Note: Window operation may stop or delay during low battery conditions and engine starting.

Note: If you repeatedly open and close the window several times within one minute, the system may disable to protect the motors from overheating.

Note: If you operate both the switch on the relevant door and the switch for that window on the driver's door at the same time, the window will stop moving.

One-Touch Down (If Equipped)

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

One-Touch Up (If Equipped)

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

Window Lock



E70850


Press the control to lock or unlock the rear window controls.

Bounce-Back (If Equipped)

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

Overriding the Bounce-Back Feature

WARNING

 When you override the bounce-back feature the window will not reverse if it detects an obstacle. Take care when closing the windows to avoid personal injury or damage to your vehicle.

Windows and Mirrors

Proceed as follows to override this protection feature when there is a resistance, for example in winter:

1. Close the window twice until it reaches the point of resistance and let it reverse.
2. Close the window a third time to the point of resistance. The bounce-back feature is now disabled and you can close the window manually. The window will go past the point of resistance and you can close it fully.

See an authorized dealer as soon as possible if the window does not close after the third attempt.

Resetting the Bounce-Back Feature

WARNING



The bounce-back feature remains turned off until you reset the memory.

In an event of a flat battery or if you have disconnected the battery, you must reset the bounce-back memory separately for each window.

1. Open the window.
2. Lift and hold the switch to second action point until the window is fully closed.
3. Hold the switch lifted for one more second and release.
4. Open the window using the first action point and try to close it automatically using second action point.
5. If the window does not open or close automatically when the switch is pressed or lifted to second action points, repeat the procedure.

Safety Mode

WARNING



Bounce-back feature is not active in safety mode.

If the system detects a malfunction, it enters a safety mode. The windows will move for only about 0.5 seconds at a time and then stop. Close the windows by pulling the switch again when the windows stop moving. Have this checked immediately.

Accessory Delay (if Equipped)

You can use the window switches for several minutes after you have switched the ignition off or until either front door is opened.

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.

Pull the tab below the mirror toward you to reduce glare at night.

Windows and Mirrors

Auto-Dimming Mirror (If Equipped)


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.

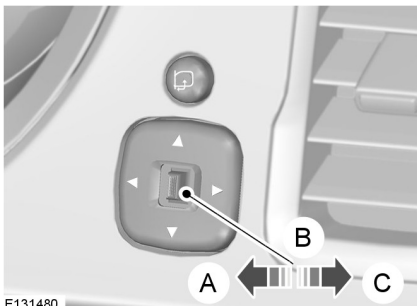
The mirror will dim automatically to reduce glare when bright lights are detected from behind your vehicle. It will automatically return to normal reflection when you select reverse gear to make sure you have a clear view when backing up.

EXTERIOR MIRRORS

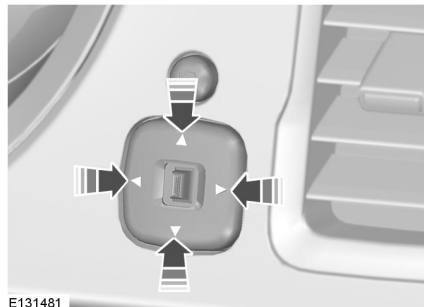
Power Exterior Mirrors

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.



- A Left-hand mirror
- B Off
- C Right-hand mirror



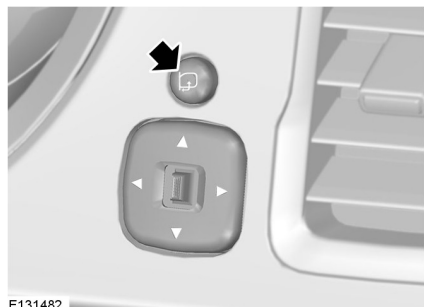
Press the controller in the direction of the arrows to adjust the mirror.

The power exterior mirrors are fitted with a heating element that will defrost or demist the mirror glass. See **Heated Windows and Mirrors** (page 70).

Manual Folding and Unfolding

The power folding mirrors operate with the ignition on, and for several minutes after you switch the ignition off.

Note: They will no longer operate if you switch the ignition off and open a door.



Press the button to fold or unfold the mirrors.

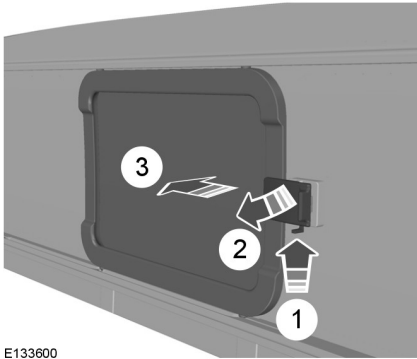
Press the button again to stop and reverse the direction of movement.

Windows and Mirrors

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.

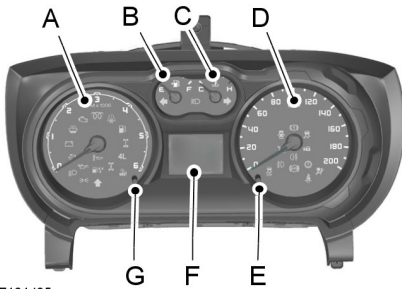
SLIDING WINDOWS



E133600

Instrument Cluster

GAUGES



E131495

- A Tachometer
- B Fuel gauge
- C Engine coolant temperature gauge
- D Speedometer
- E Illumination dimming button
- F Information display
- G Trip computer display select and reset button

Tachometer

Indicates the engine speed in revolutions per minute. Driving with your tachometer pointer continuously at the top of the scale may damage the engine.

Fuel Gauge

Switch the ignition on. The fuel gauge will indicate approximately how much fuel is left in the fuel tank. The fuel gauge may vary slightly when your vehicle is moving or on a gradient. The arrow adjacent to the fuel pump symbol indicates on which side of the vehicle the fuel filler door is located.

Engine Coolant Temperature Gauge

WARNING



Never remove the coolant reservoir cap while the engine is running or hot.

At normal operating temperature, the needle will remain in the center section.

Note: Do not restart the engine until the cause of overheating has been resolved.

If the needle enters the red section, the engine is overheating. Stop the engine, switch the ignition off and determine the cause once the engine has cooled down. See **Trip Computer** (page 61).

Information Display

- Odometer/Trip odometer/Instantaneous Fuel Consumption
- Outside Air Temperature (if equipped)
- Trip Computer See **Trip Computer** (page 61).
- Average Fuel Consumption
- Distance to Empty

WARNING LAMPS AND INDICATORS

The following warning lamps and indicators as applicable will come on briefly when you switch the ignition on to confirm that the system is operational:

- ABS warning lamp
- Vehicle immobilizer indicator
- Brake system warning lamp
- Ignition warning lamp
- Airbag warning lamp
- Low fuel level warning lamp
- Stability control (ESP) indicator

Instrument Cluster

- Oil pressure warning lamp
- Oil Change Reminder Indicator (Diesel only)
- Engine warning lamps
- Four-wheel drive indicator
- Four-wheel drive low (4L) indicator
- Electronic locking differential (ELD) indicator
- Water-in-fuel indicator (Diesel only)
- Washer fluid level indicator
- DPF (Diesel Particulate Filter)
- Ice/Frost warning indicator

ABS warning lamp



If it illuminates when you are driving, this indicates a malfunction. You will continue to have normal braking (without ABS). Have the system checked by a properly trained technician as soon as possible.

Vehicle immobilizer indicator



The immobilizer indicator will blink if the key is removed from the ignition or a wrong key is inserted.

Brake system warning lamp



It illuminates when the parking brake is engaged.

WARNING



Reduce your speed gradually and stop your vehicle as soon as it is safe to do so. Use your brakes with care.

If it illuminates when you are driving, check that the parking brake is not engaged. If the parking brake is not engaged, this indicates a malfunction. Have the system checked by a properly trained technician immediately.

Ignition warning lamp



If it illuminates when driving, this indicates a malfunction. Switch off all unnecessary electrical equipment. Have your vehicle checked by an authorised dealer immediately.

Airbag warning lamp



If it illuminates while driving, this indicates a malfunction. Have this checked as soon as possible.

Low fuel level warning lamp



If the low fuel level warning lamp comes on, refuel as soon as possible.

The arrow adjacent to the fuel pump symbol tells you on which side of your vehicle the fuel filler cap is located.

Stability control (ESP) indicator



While driving, it flashes during activation of the system. After switching on the ignition, if it does not illuminate or illuminates continuously while driving, this indicates a malfunction. During a malfunction, the system switches off. Have the system checked by a properly trained technician as soon as possible.



If you switch ESP off, the warning lamp will flash twice and remain illuminated. The lamp will go out when you switch the system back on or when you switch the ignition off.

Instrument Cluster

Oil pressure warning lamp

CAUTION



Do not resume your journey if the oil pressure warning lamp comes on despite the oil level being correct.

Have this checked immediately.



If the oil pressure warning lamp comes on when you are driving, this indicates a malfunction.

Stop, and switch the engine off and check the engine oil level. See **Engine Oil Check** (page 158).

Oil Change Reminder Indicator (Diesel only)



The oil change reminder indicator informs that the engine requires an engine oil change due to excessive build up of soot within the engine oil.

Engine warning lamps

Malfunction indicator lamp



Powertrain warning lamp



All vehicles

If either lamp illuminates when the engine is running, this indicates a fault. The engine will continue to run but it may have limited power. If it flashes when you are driving, reduce the speed of your vehicle immediately. If it continues to flash, avoid heavy acceleration or deceleration. Have the system checked by a properly trained technician immediately.

WARNING



Have this checked immediately.

If both lamps illuminate together, stop your vehicle as soon as it is safe to do so (continued use may cause reduced power and cause the engine to stop). Turn the ignition off and attempt to restart the engine. If the engine restarts have the system checked by a properly trained technician immediately. If the engine does not restart the vehicle must be checked before continuing your journey.

Four-wheel drive indicator



The four-wheel drive indicator lamp will come on when the transfer shift switch is in the **4H** or **4L** position. This will flash while engaging to 4H or 4L. See **Using Four-Wheel Drive** (page 97).

Four-wheel drive low (4L) indicator



The four-wheel drive low (4L) indicator lamp will come on when the transfer shift switch is in **4L** position. It will flash while engaging to 4L position. See **Using Four-Wheel Drive** (page 97).

Electronic locking differential (ELD) indicator



The ELD indicator lamp will come on when the rear differential is locked. The lamp will flash if an error has been detected or if the engage or disengage request cannot be completed. See **Using Four-Wheel Drive** (page 97).

Instrument Cluster

Water-in-fuel indicator (Diesel only)



The water-in-fuel indicator lamp will come on if there is excess water in the fuel filter. Drain off the water immediately. See **Draining the Fuel Filter Water Trap** (page 160).

Washer fluid level indicator



It illuminates when the windshield washer fluid level goes below the minimum mark. See **Washer Fluid Check** (page 161).

DPF (Diesel Particulate Filter)



If this illuminates, have the system checked by a properly trained technician as soon as possible.

Ice/Frost warning indicator

WARNING



Even if the temperature rises to above +4°C (39°F) there is no guarantee that the road is free of hazards caused by inclement weather.



It will illuminate and glow orange when the outside air temperature is between 4°C and 0°C (39°F and 32°F). It will glow red when the temperature is below 0°C (32°F).

Door open warning lamp



The door open warning lamp will come on when you switch the ignition on and if you have not closed the doors properly.

Glow plug indicator - For Diesel vehicles



See **Starting a Diesel Engine** (page 84).

Direction indicators

Right side turn indicator



Left side turn indicator



The direction indicator will flash when you use the direction indicators. A sudden increase in the rate of flashing warns of a failed bulb.

Headlamp indicator



The headlamp indicator will come on when you switch the side and tail lamps on.

High beam indicator



The high beam indicator will come on when you switch the headlamp high beam on. It will flash when you use the headlamp flasher.

Front fog lamp indicator



The front fog lamp indicator will come on when you switch the front fog lamps on.

Rear fog lamp indicator



The rear fog lamp indicator lamp will come on when you switch the rear fog lamps on.

Instrument Cluster

Safety belt indicator



See **Safety Belt Minder** (page 26).

Gear shift indicator lamp (Manual only)



It will illuminate to inform you that shifting to a higher gear may give better fuel economy and lower CO₂ emissions.

Cruise control



It will illuminate when you have set a speed using the cruise control system.

AUDIBLE WARNINGS AND INDICATORS

Door open warning

The door open warning chime will sound if the vehicle speed exceeds approximately 10 km/h (6.2 mph) and you have not closed the doors.

Lights on warning

The lights on warning chime will sound if you the key is not in position **II** or **III** and open any door before switching off the lights.

Not in park warning

The not in park warning chime will sound if the automatic transmission lever is not in park position and you open the driver door.

Parking brake warning

The parking brake warning chime will sound if the parking brake is left engaged and the vehicle speed exceeds approximately 5 km/h (3 mph).

Restraints back-up warning

The restraints back-up warning chime will sound if there is a malfunction in the restraints warning lamp. 5 sets of 5 tone bursts will be heard every 30 minutes.

Low fuel level warning

Low fuel level warning chime will sound when the low fuel level warning lamp is activated and/or the information display is showing 80, 40, 20, 0 km (50, 25, 10, 0 miles) remaining.

Direction indicator

The direction indicator chime will sound when the left or right direction indicator is activated.

Direction indicators warning

The direction indicator warning chime will sound if the left or right direction indicator is left on and driven for more than approximately 3.2 km (1.98 miles).

One side park light

One side park light chime will sound when the one side park light is activated.

Home safe

Home safe warning chime will sound when the home safe lighting is activated.

Safety belt minder

The safety belt warning chime will sound if the driver or passenger safety belt is unbuckled and the vehicle speed exceeds approximately 25 km/h (15.5 mph).

Instrument Cluster

Alarm warning

The alarm warning chime will sound if the vehicle is unlocked with the mechanical key and not the remote key. The chime will sound for up to 12 seconds until the unlock button is pressed on the remote key or a correctly coded key is inserted into the ignition and turned to position **II** or **III**. If 12 seconds elapses before this occurs, the vehicle alarm will sound.

Key in ignition warning

The key in ignition warning chime will sound if the key is inserted into the ignition (but not turned to position **II** or **III**) and the driver door is opened.

Over speed warning

Over speed warning chime will sound if the vehicle speed exceeds approximately 120 km/h (74.5 mph) indicated.

Low washer fluid warning

Low washer fluid warning chime will sound if the washer fluid level in the washer bottle is low.

Missed lock warning

Missed lock warning chime will sound if the door is not locked after pressing the lock button.

Note: *This feature is default off. To activate it, contact your Ford dealer.*

Information Displays

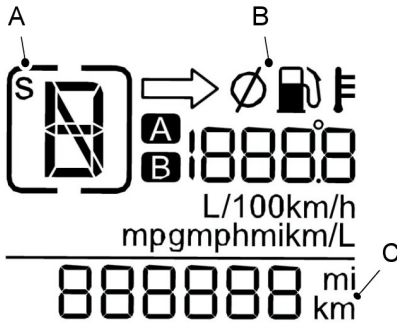
GENERAL INFORMATION

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.

Note: The information display will remain on for several minutes after you switch the ignition off.



E136109

- A Gear display (Automatic transmission)
- B Trip computer display
- C Odometer display

Device List

There are various icons placed around the display screen which light up when a function is active (for example CD, Radio or Aux).

Information Display Controls



E175030

Various systems on your vehicle can be controlled using the information display controls on your audio unit. Corresponding information is displayed in the information display.

To use the controls:

- Press the up or down arrow button to scroll through and highlight the options within a menu.
- Press the right arrow button to enter a submenu.
- Press the left arrow button to exit a submenu.
- Press and hold the left arrow button at any time to return to the main menu display.
- Press the **OK** button to choose and confirm settings or messages.

Menu Structure - Information Display

You can access the menu using the information display control.

Information Displays

Note: Some options may appear slightly different or not at all if the items are optional.

Menu	
Navigation	Route options
	Map display
	Assistance options
	Personal data
	Reset all settings
Audio settings	Adaptive volume
	Sound
	NAV audio mixing
	DSP settings
	DSP equalizer
	Traffic
	News
	Alt. frequency
	RDS Regional
	Bluetooth
Clock settings	Auto time (GPS)
	Set time
	Set date
	Set time zone
	Summer time
	24-hour mode

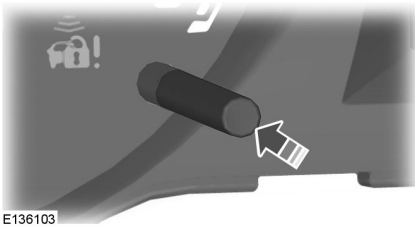
Information Displays

CLOCK

For detailed instructions on how to adjust the clock See **Setting the clock on the audio unit** (page 214).

TRIP COMPUTER

Controls



E136103

For item location: See **Gauges** (page 53).

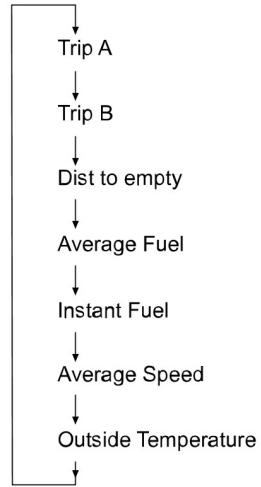
Press the **SET/RESET** button less than 2 seconds to:

- Select between the trip computer displays

Press and hold the **SET/RESET** button for more than two seconds to:

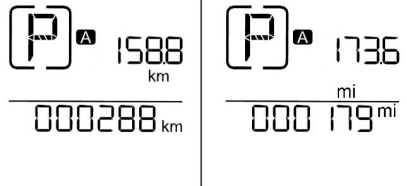
- Reset trip A
- Reset trip B
- Reset average fuel consumption
- Reset average speed

The trip computer display includes the following information displays:



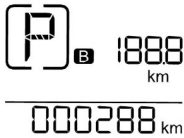
E136110

Tripmeter (A and B)



E138112

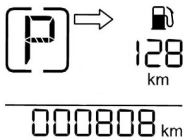
Information Displays



E138113

Registers the mileage of individual journeys.

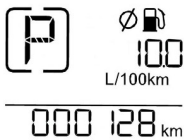
Distance to empty



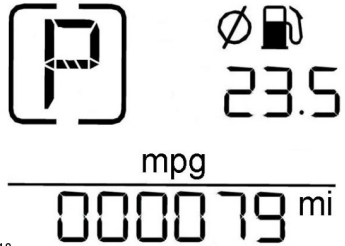
E138114

Indicates the approximate distance the vehicle will travel on the fuel remaining in the tank. Changes in driving pattern may cause the value to vary.

Average fuel consumption



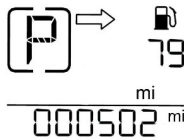
E138117



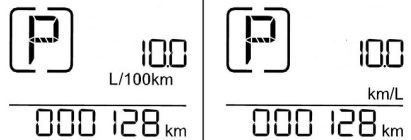
E138118

Indicates the average fuel consumption since the function was last reset.

Instantaneous fuel consumption



E138115

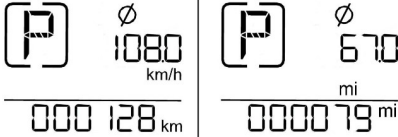


E138116

Indicates the current average fuel consumption.

Information Displays

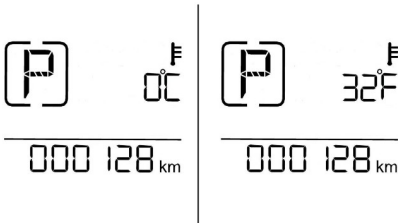
Average speed



E138119

Indicates the average speed calculated since the function was last reset.

Outside air temperature



E138120

Shows the outside air temperature.

Note: The position of the trip computer display may vary depending on the information shown in the display.

PERSONALIZED SETTINGS

Language setting



E138129

- A Language set menu active
- B Language title display

A choice of eleven languages are available from 01 to 11 in the order shown below:

- 01: English - GB
- 02: Swedish - S
- 03: German - D
- 04: Dutch - NL
- 05: French - F
- 06: Italian - I
- 07: Spanish - E
- 08: Portuguese - P
- 09: Turkish - TR
- 10: Russian - RUS
- 11: Polish - PL

To enter the language set menu:

1. With ignition off, press and hold the light dimming button. For item location: See **Gauges** (page 53). and switch ignition to on.
2. The display will show the language set menu active.

Information Displays

3. Press the **SET/RESET** to select between the different languages.
4. Press and hold the **SET/RESET** button to set the currently displayed language.
5. A chime will be heard to confirm the selection.
6. The display will then return to normal operation.

Units of measure

To select metric or imperial units for outside temperature display:

1. Change display mode to "Outside Temperature."
2. Press and hold the **SET/RESET** button for more than two seconds and the units will change.

Toggling the units of measure using this display will affect the following displays:

- Outside air temperature.
- The temperature display in the automatic climate control.
- The set temperature in the multi-function display.

Climate Control

PRINCIPLE OF OPERATION

Outside Air

Keep the air intakes in front of the windshield free from obstruction (such as snow or leaves) to allow the climate control system to function effectively.

Recirculated Air

WARNING



Prolonged use of recirculated air may cause the windows to mist up. If the windows mist up, follow the settings for demisting the windshield.

The air currently in the passenger compartment recirculates. Outside air does not enter your vehicle.

Heating

Heating performance depends on the temperature of the engine coolant.

Air Conditioning

Note: *The air conditioning operates only when the temperature is above 39°F (4°C).*

Note: *When you use air conditioning, your vehicle uses more fuel.*

The system directs air through the evaporator for cooling. The evaporator extracts humidity from the air to help keep the windows free of mist. The system directs the resulting condensation to the outside of your vehicle, which may cause a small pool of water under your vehicle. This is normal.

General Information on Controlling the Interior Climate

Fully close all the windows.

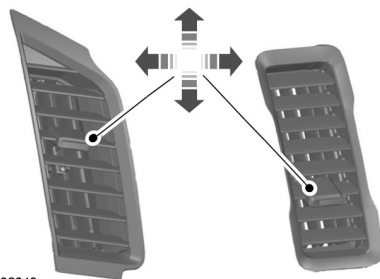
Warming the Interior

Direct the air toward your feet. In cold or humid weather conditions, direct some of the air toward the windshield and the door windows.

Cooling the Interior

Direct the air toward your face.

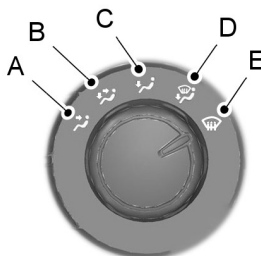
AIR VENTS



E132643

MANUAL CLIMATE CONTROL

Air distribution control



E132661

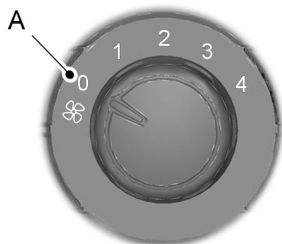
- A Face level
- B Face level and footwell

Climate Control

- C Footwell
- D Footwell and windshield
- E Windshield

You can set the air distribution control to any of the indicated positions. A small amount of air is directed towards the windshield in positions B and C.

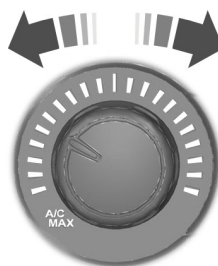
Blower



E132663

- A Off

Temperature control



E132662

- Blue Cold
- Red Warm
- A/C Maximum cooling
- MAX

Recirculated air



Press the recirculated air button to toggle between outside air and recirculated air.

System settings

Note: Set all controls to the positions shown.

Heating the interior quickly

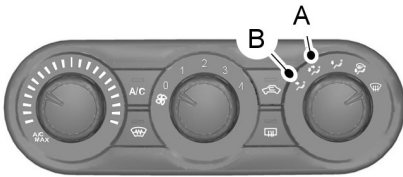


E132666

Select the outside air.

Climate Control

Ventilation



E132667

- A Face level and footwell
- B Face level

Set the air distribution control to position **A** or position **B**. Set the blower and temperature to any position and select the outside air. Open the air vents to suit individual requirements.

Switching the air conditioning on and off



Press the **A/C** button to switch the air conditioning on and off.

Cooling with outside air



E132668

Switch the air conditioning on and select the outside air.

Cooling the interior quickly



E132669

Selecting the A/C MAX will provide maximum occupant cooling. To switch the A/C MAX off deselect the A/C or recirculated air.

Defrosting and demisting the windshield quickly



E132665

Selecting air to windshield will automatically switch the A/C on and select the outside air.

Reducing interior air humidity



E132670

Climate Control

Selecting air to windshield will automatically switch the A/C on and select the outside air.

AUTOMATIC CLIMATE CONTROL

The system controls the temperature, amount and distribution of the air flow automatically and adjusts them according to the driving and weather conditions. A short press of the **AUTO** button once switches on the auto mode.

Note: When in **AUTO**, ensure that the temperature is set to the desired level 22°C (71°F) is preferred).

Note: If the climate control is operated, information relating to this system is displayed in the information display. See **Information Displays** (page 59).

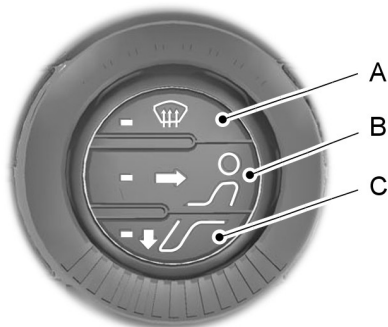
Note: Avoid adjusting the settings when the vehicle interior is extremely hot or cold. The automatic climate control adjusts to the current circumstances automatically. For the system to function properly, the side and center vents should be fully open.

Note: The sunload sensor is located on top of the instrument panel. Do not cover the sensor with any objects.

Note: The in car temperature sensor is located behind the grill below the air distribution control. Do not cover the grill with any objects.

Note: At low outside temperatures, when the system is in auto mode, the air flow will be low and the air stream will be directed to the windshield and the side windows as long as the engine is cold.

Air distribution control



E132685

- A Windshield
- B Face level
- C Footwell

To adjust air distribution, press the desired button. The combination of settings that can be selected are **A, B, C, A and C** and **B and C**.

Blower



E132686

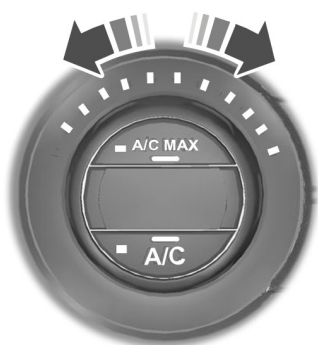
Climate Control

Note: When the blower is in **AUTO** mode, no blower setting indicators will be illuminated.

When the blower speed is controlled manually by operating the blower dial, the blower setting is indicated in the display above the air distribution controls.

To return to auto mode, short press the **AUTO** button.

Temperature control



E132687

You can set the temperature between 16°C (61°F) and 28°C (82°F) in steps of 0.5°C (1°F). In position **LO** (below 16°C (61°F)) the system will switch to permanent cooling, in **HI** (above 28°C (82°F)) to permanent heating, and not regulate a stable temperature.

Mono Mode

In Mono mode the temperature settings for both the driver's and passenger's side are linked. If you adjust the temperature using the rotary control on the driver's side, the settings will be adjusted to the same setting on the passenger's side.

To switch dual mode on

Long press of the **AUTO** button or selecting the temperature for the passenger's side with the rotary control on the passenger's side. The temperature for the driver's side will remain unchanged. You can now adjust the driver and passenger side temperatures independently. The temperature settings for each side are shown in the display. You can set a temperature difference of up to 4°C (8°F).

Note: If you set a temperature difference of greater than 4°C (8°F), the temperature on the other side will be adjusted so that the difference remains 4°C (8°F).

To switch dual mode off

Press the **AUTO** button for three seconds or select **HI** or **LO** on the driver's side. The passenger's side temperature will be adjusted to the driver's side temperature.

Recirculated air



Press the recirculated air button to toggle between fresh air and recirculated air.

Note: When the system is in auto mode and the interior and exterior temperatures are quite hot, the system selects recirculated air automatically to maximize cooling of the interior. Once the selected temperature is reached, the system will reselect outside air automatically.

Cooling the interior quickly



Climate Control

Selecting the A/C MAX will provide maximum occupant cooling. A second press of the A/C MAX button will switch the A/C MAX off.

Windshield defrosting and demisting



Press the **MAX** defrost button for quick demisting of the windshield.

Fresh air will flow into the vehicle and A/C is automatically selected. The blower speed, temperature control and fresh air operate automatically and cannot be adjusted in this mode. The blower is set to maximum speed and the temperature to **HI**.

When you select MAX defrost, the heated windows switch on automatically and switch off after a preset time.

A second press of the **MAX** defrost button will return the system to the previous settings.

To return to auto mode, short press the **AUTO** button.

Switching the air conditioning on and off



Press the **A/C** button to switch the air conditioning on and off. The light in the button indicates the status of the A/C.

Note: The A/C operates only when the engine is running.

Switching off the automatic climate control



Press the **power** button to switch the system on and off. When switched off, recirculated air is selected but it is also possible to manually select the fresh air.

HEATED WINDOWS AND MIRRORS

Note: Make sure the engine is running before operating the heated windows.

Heated Windshield



Press the button to clear the window of thin ice and fog.

Heated Rear Window



Press the button to clear the window of thin ice and fog. Press the button again within 10 minutes to switch it off. It switches off automatically after 10 minutes, or when you switch the ignition off.

Note: Do not use razor blades or other sharp objects to clean the inside of the rear window or to remove decals from the inside of the rear window. This may cause damage to the heated grid lines and will not be covered by your warranty.

Climate Control

Heated Exterior Mirror (If Equipped)

Note: *Do not remove ice from the mirrors with a scraper or attempt to readjust the mirror glass if it is frozen in place. These actions could cause damage to the glass and mirrors.*


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


Both mirrors are heated to remove ice, mist and fog when the heated rear window is switched on.


Seats

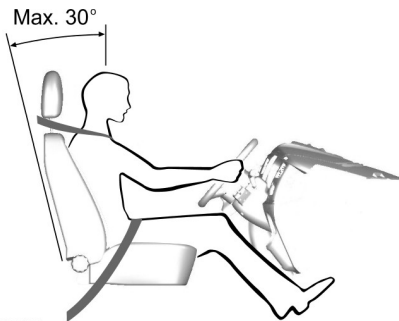
SITTING IN THE CORRECT POSITION

WARNINGS

 Do not recline the seatback too far as this can cause the occupant to slide under the safety belt, resulting in serious injury in the event of a collision.

 Sitting improperly, out of position or with the seatback reclined too far, can result in serious injury or death in the event of a collision. Always sit upright against your seatback, with your feet on the floor.

 Do not place objects higher than the seatback to reduce the risk of serious injury in the event of a collision or during heavy braking.



E68595

When you use them properly, the seat, head restraint, safety belt and air bags will provide optimum protection in the event of a collision.

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 seatback more than 30 degrees.


- 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 inches (25 centimeters) between your breastbone and the air bag 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 safety belt 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.

MANUAL SEATS

WARNINGS

 Use seat covers designed for seats with side airbags. Have these fitted by an authorized dealer.

 Do not adjust the driver seat when your vehicle is moving.

Note: *Seat covers fitted to your vehicle as part of a special equipment pack are washable without removing them from the seats.*

Note: *Seat covers are designed and fitted to work with the seat's existing features and safety systems, and should not require adjustment. If seat cover removal and installation is required, see an authorized Ford dealer.*

Seats

Moving the Seat Backward and Forward



WARNINGS

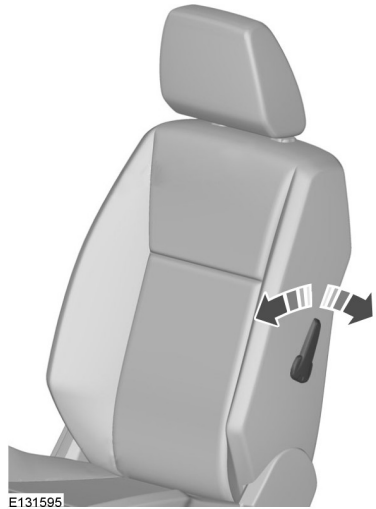


Make sure the driver seat fully locks into place by rocking it backward and forward.



Do not move the front seats too close to the instrument panel.

Adjusting the Lumbar Support



Adjusting the Height of the Driver's Seat



Seats

Recline Adjustment



E131592

Bench seat



E135862

Folding the Seatback - Stretch cab




Folding the front passenger seat allows easy access to the rear seat.



E136219

POWER SEATS

WARNINGS

-  Use seat covers designed for seats with side airbags. Have these fitted by an authorized dealer.
-  Do not adjust the driver seat when your vehicle is moving.
-  Do not place cargo or any objects behind the seatback before returning it to the original position.

Note: *Seat covers fitted to your vehicle as part of a special equipment pack are washable without removing them from the seats.*

Note: *Seat covers are designed and fitted to work with the seat's existing features and safety systems, and should not require adjustment. If seat cover removal and installation is required, see an authorized Ford dealer.*

Seats

Moving the Seat Backward and Forward



E131591

Adjusting the Height of the Driver's Seat



E131594

WARNING



Do not move the front seats too close to the instrument panel.

Recline Adjustment



E131596

Seats

Tilting the Seat



E131607

HEAD RESTRAINTS

WARNINGS



Raise the rear head restraint when the rear seat is occupied by a passenger.



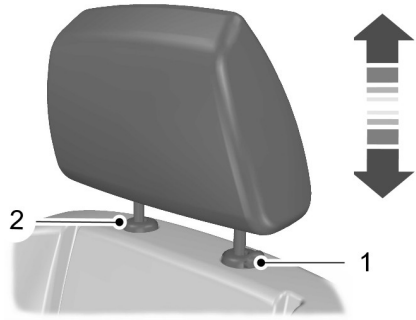
When front seats are in use the head restraints must not be removed.

Adjusting the head restraints

Adjust the head restraint so that the top of it is level with the top of your head.

Removing the head restraints

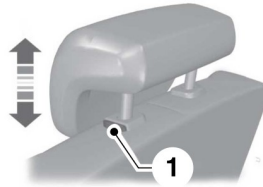
Front head restraints



E140447

Press locking button 1 and at the same time release the retaining clip 2 using a suitable implement.

Rear outer head restraints



E151804

Pull to move the head restraint upward. Press the locking button 1 to lower the head restraint or to remove the head restraint.

REAR SEATS

Note: Stow the rear seat belt tongue into the pockets provided in the sides of the rear seat back to prevent rattling when not in use.

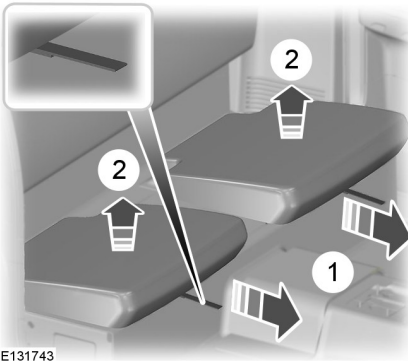
Seats

Note: Seat covers fitted to your vehicle as part of a special equipment pack are washable without removing them from the seats.

Note: Seat covers are designed and fitted to work with the seat's existing features and safety systems, and should not require adjustment. If seat cover removal and installation is required, see an authorized Ford dealer.

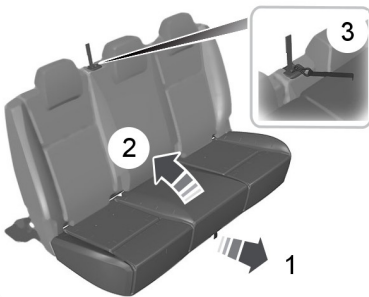
Folding the Seat Cushion

Stretch cab



E131743

Double cab



E133361




Unfolding the Seat Cushion

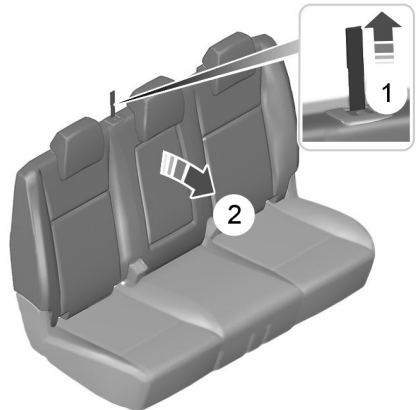
Note: The cushion tether strap must be stowed in the pocket provided.

Folding the Seatback

Double cab

WARNINGS

-  When folding the seatbacks down, take care not to get your fingers caught between the seatback and seat frame.
-  Do not use the rear surface of the rear seat back as a load floor.
-  Do not de-latch and fold the seatback when the seat cushion is folded up.



E131744

1. Pull the release strap upward.
2. Push the seatback forward.

Seats

Unfolding the Seatback

Double cab

WARNINGS



When folding the seatbacks up, make sure that the safety belts are visible to an occupant and not caught behind the seat.



Make sure that the seats and the seatbacks are secure and fully engaged in their catches.

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. 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 is spilled on the seat. Allow the seat to dry thoroughly.
- Operate the heated seats unless the engine is running. Doing so could drain your vehicle battery.

For item location: See **Climate Control** (page 65).

The heated seat will only operate with the ignition switched on.

The maximum temperature is reached after five or six minutes. It is regulated thermostatically.

The heated seat will remain on until either the heated seat switch or the ignition is switched off.



E131536

Adjust the control to the desired heat setting.

Auxiliary Power Points

12 Volt DC Power Point

WARNING



Do not plug optional electrical accessories into the cigar lighter socket. Incorrect use of the lighter can cause damage not covered by your 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 20 amps.

After you switch the ignition off the power supply will only work for a maximum of 30 minutes.

Note: Do not insert objects other than an accessory plug into the power point. This will damage the outlet and blow the fuse.

Note: Do not hang any type of accessory or accessory bracket from the plug.

Note: Do not use the power point over the vehicle capacity of 12 volt DC 180 watt or a fuse may blow.

Note: Do not use the power point for operating a cigar lighter element.

Note: Incorrect use of the power point can cause damage not covered by your warranty.

Note: Always keep the power point caps closed when not in use.

Run the engine 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 engine is not running.
- Do not leave devices plugged in overnight or when your vehicle is parked for extended periods.

Location

Power points may be found:

- on the center stack.

CIGAR LIGHTER

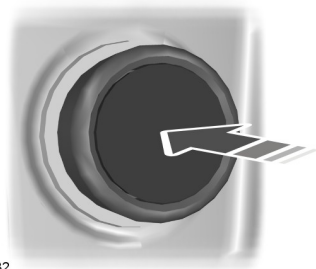
Note: Do not hold the cigar lighter element pressed in.

Note: If you use the socket when the engine is not running, the battery may lose charge.

Note: When you switch the ignition on, you can use the socket to power 12 volt appliances with a maximum current rating of 20 amps.

Note: After you switch the ignition off the power supply will only work for a maximum of 30 minutes.

Note: Use only Ford accessory connectors or connectors specified for use with SAE standard sockets.




E103382

Press the element in to use the cigar lighter. It will pop out automatically.

Storage Compartments

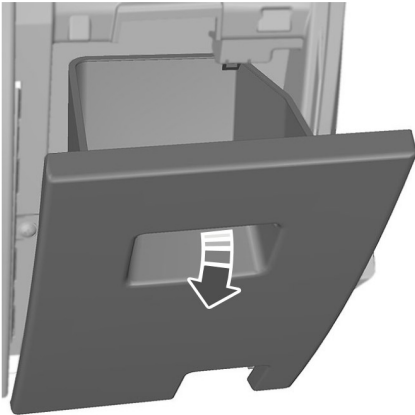
CUP HOLDERS

WARNING

 Do not place hot drinks in the cup holders when your vehicle is moving.

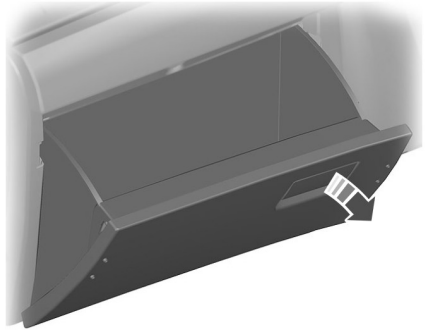
GLOVE BOX

Driver Side



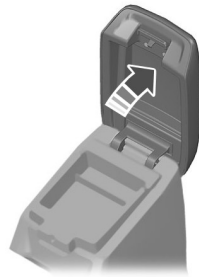
E133607

Passenger Side



E136461

CENTER CONSOLE



E136462



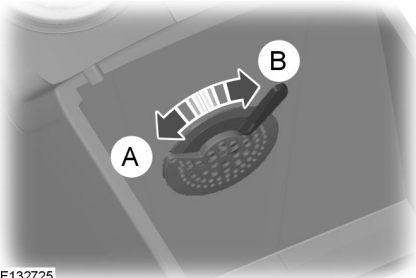
E136463

Storage Compartments



E167185

COOL BOX



E132725

- A Open
- B Close

ASHTRAY

You can place the removable ashtray in any of the cup holders.

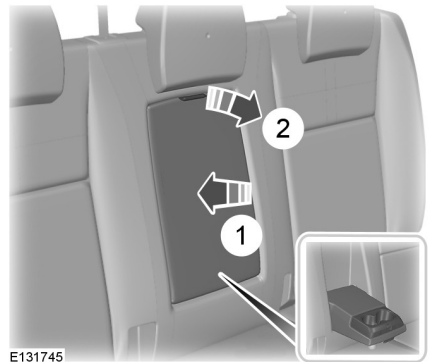
GLASSES HOLDER (IF EQUIPPED)



E150040

The glasses must be placed in the glasses holder with the lenses facing downward as shown in the picture. If not, the glasses can fall down when the glasses holder is open.

REAR SEAT ARMREST



E131745

1. Push the armrest into the seatback and hold.
2. Pull the strap and open the armrest.

Starting and Stopping the Engine

GENERAL INFORMATION

WARNINGS



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.



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.



Do not start the engine in a closed garage or in other enclosed areas. Exhaust fumes can be toxic. Always open the garage door before you start the engine.



If you smell exhaust fumes inside your vehicle, have it checked by a Ford 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 8 kilometers 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.

When you start the engine, avoid pressing the accelerator pedal before and during operation. Only use the accelerator pedal when you have difficulty starting the engine.

IGNITION SWITCH



E72128

0(off) - The ignition is off.

Note: When you switch the ignition off and leave your vehicle, do not leave your key in the ignition. This could cause your vehicle battery to lose charge.

I (accessory) - Allows the electrical accessories such as the radio to operate while the engine is not running.

Note: Do not leave the ignition key in this position for too long to avoid your vehicle battery losing charge.

II (on) - All electrical circuits operational. Warning lamps and indicators are illuminated.

III (start) - cranks the engine. Release the key as soon as the engine starts.

STEERING WHEEL LOCK

WARNING



Always check that the steering is unlocked before attempting to move your vehicle.

Vehicles without Keyless Starting

To lock the steering wheel:

1. Remove the key from the ignition switch.
2. Rotate the steering wheel slightly to engage the lock.

Starting and Stopping the Engine

Unlocking the Steering Wheel

Vehicles With Automatic Transmission

Switch the ignition on or press the brake pedal.

Vehicles With Manual Transmission

Switch the ignition on or press the clutch pedal.

STARTING A GASOLINE ENGINE

Note: *You can only operate the starter 10 seconds. The number of start attempts is limited to approximately six. If you exceed this limit, the system does not allow you to try again for about 30 minutes.*

Cold or Hot Engine

Vehicles with Manual Transmission

Note: *Do not touch the accelerator pedal.*

Note: *Releasing the clutch pedal while the engine is starting stops the engine cranking and returns the ignition to on.*

1. Fully depress the clutch pedal.
2. Start the engine.

Vehicles with Automatic Transmission

Note: *Do not touch the accelerator pedal.*

1. Depress the brake pedal.
2. Move the transmission selector lever to position **P** or **N**.
3. Start the engine.

All Vehicles

If the engine does not start within 10 seconds, wait for a short period and try again.

If the engine does not start after three attempts, wait 10 seconds and follow the flooded engine procedure.

If you have difficulty starting the engine when the temperature is below -13°F (-25°C), press the accelerator pedal to the mid-way point of its travel and try again.

Flooded Engine

Vehicles with Manual Transmission

1. Fully depress the clutch pedal.
2. Fully depress the accelerator pedal and hold it there.
3. Start the engine.

Vehicles with Automatic Transmission

1. Depress the brake pedal.
2. Move the transmission selector lever to position **P** or **N**.
3. Fully depress the accelerator pedal and hold it there.
4. Start the engine.

All Vehicles

If the engine does not start, repeat the cold or hot engine procedure.

Engine Idle Speed after Starting

The speed at which the engine idles immediately after starting minimizes vehicle emissions and maximizes cabin comfort and fuel economy.

The idle speed varies depending on certain factors. These include vehicle component and ambient temperatures as well as electrical and climate system demands.

Starting and Stopping the Engine

Failure to Start

Vehicles with Manual Transmission

If the engine does not crank when you fully depress the clutch pedal with the ignition key in position **III**, follow this procedure:

1. Fully depress the clutch and brake pedals.
2. Turn the key to position **III** until the engine has started.

STARTING A DIESEL ENGINE

Cold or Hot Engine

All Vehicles

Note: When the temperature is below 5°F (-15°C), you may need to crank the engine for up to 10 seconds.

Note: You can only operate the starter for a limited period of time.

Note: After a limited number of attempts to start your engine, the system will not allow you to try again until a period of time has elapsed, for example 30 minutes.



Switch the ignition on and wait until the glow plug indicator goes off.

Vehicles With Manual Transmission

Note: Do not touch the accelerator pedal.

Note: Releasing the clutch pedal while the engine is starting will stop the engine cranking and return to ignition on.

1. Fully depress the clutch pedal.
2. Start the engine.

Vehicles With Automatic Transmission

Note: Do not touch the accelerator pedal.

Note: Releasing the brake pedal while the engine is starting will stop the engine cranking and return to ignition on.

1. Move the transmission selector lever to position **P** or **N**.
2. Fully depress the brake pedal.
3. Start the engine.

Failure to Start

Vehicles With Manual Transmission

If the engine does not crank when the clutch pedal has been fully depressed and the ignition key is turned to position **III**.

1. Fully depress the clutch and brake pedals.
2. Turn the key to position **III** until the engine has started.

DIESEL PARTICULATE FILTER

The filter forms part of the emissions reduction system on your vehicle. It filters harmful diesel particulates (soot) from the exhaust gas.

Regeneration

WARNING



Do not park or idle your vehicle over dry leaves, dry grass or other combustible materials. The regeneration process creates very high exhaust gas temperatures and the exhaust will radiate a considerable amount of heat during and after regeneration and after you have switched the engine off. This is a potential fire hazard.

Note: Avoid running out of fuel.

Starting and Stopping the Engine

Note: *During regeneration at low speed or engine idle, you may smell a hot metallic odor and could notice a clicking metallic sound. This is due to the high temperatures reached during regeneration and is normal.*

Note: *Changes in the engine or exhaust sound may be heard during the regeneration process.*

Note: *After you have switched your engine off the fans may continue to run for a short period of time.*

The diesel particulate filter on your vehicle requires periodic regeneration to maintain its correct function. Your vehicle will carry out this process automatically.

If your journeys meet one of the following conditions:

- You drive only short distances.
- You frequently switch the ignition on and off.
- Your journeys contain a high level of acceleration and deceleration.

You must carry out occasional trips with the following conditions to assist the regeneration process:

- Drive your vehicle in more favorable conditions, which you will find at higher vehicle speeds in normal driving, on a main road or freeway for a minimum of 20 minutes. This drive may include short stops that will not affect the regeneration process.
- Avoid prolonged idling and always observe speed limits and road conditions.
- Do not switch the ignition off.
- Select a suitable gear to ideally maintain engine speed between 1500 and 3000 RPM.

SWITCHING OFF THE ENGINE

Vehicles With a Turbocharger

WARNING



Do not switch the engine off when it is running at high speed. If you do, the turbocharger will continue running after the engine oil pressure has dropped to zero. This will lead to premature turbocharger bearing wear.

Release the accelerator pedal. Wait until the engine has reached idle speed and then switch it off.

Fuel and Refueling

SAFETY PRECAUTIONS

WARNINGS



Do not overfill the fuel tank. The pressure in an overfilled tank may cause leakage and lead to fuel spray and fire.



The fuel system may be under pressure. If you hear a hissing sound near the fuel filler door (Easy Fuel capless fuel system), do not refuel until the sound stops. Otherwise, fuel may spray out, which could cause serious personal injury.



Automotive fuels can cause serious injury or death if misused or mishandled.



The flow of fuel through a fuel pump nozzle can produce static electricity, which can cause a fire if fuel is pumped into an ungrounded fuel container.



Fuel ethanol and gasoline may contain benzene, which is a cancer-causing agent.



When refueling always shut the engine off and never allow sparks or open flames near the filler neck. Never smoke or use a cell phone while refueling. Fuel vapor is extremely hazardous under certain conditions. Avoid inhaling excess fumes.

Observe the following guidelines when handling automotive fuel:

- Extinguish all smoking materials and any open flames before refueling your vehicle.
- Always turn off the vehicle before refueling.
- Automotive fuels can be harmful or fatal if swallowed. Fuel such as gasoline is highly toxic and if swallowed can cause death or permanent injury. If fuel is swallowed, call a physician immediately, even if no symptoms are immediately apparent. The toxic effects of fuel may not be visible for hours.
- Avoid inhaling fuel vapors. Inhaling too much fuel vapor of any kind 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 liquid in your eyes. If fuel is splashed in the eyes, 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 also be harmful if absorbed through the skin. If fuel is splashed on the skin, clothing or both, promptly remove contaminated clothing and wash skin thoroughly with soap and water. Repeated or prolonged skin contact with fuel liquid or vapor causes skin irritation.
- Be particularly careful if you are taking "Antabuse" or other forms of disulfiram for the treatment of alcoholism. Breathing gasoline vapors, or skin contact could cause an adverse reaction. In sensitive individuals, serious personal injury or sickness may result. If fuel is splashed on the skin, promptly wash skin thoroughly with soap and water. Consult a physician immediately if you experience an adverse reaction.

Fuel and Refueling

FUEL QUALITY

WARNINGS



Do not mix gasoline with oil, diesel or other liquids. This could cause a chemical reaction.



Do not use leaded gasoline or gasoline with additives containing other metallic compounds (e.g. manganese-based). They could damage the emission system.

Note: We recommend that you use only high quality fuel.

Note: We do not recommend the use of additional additives or other engine treatments for normal vehicle use.

Use minimum 91 octane unleaded gasoline that meets the specification defined by EN 228 or the equivalent national specification.

Your vehicle is suitable for use with ethanol blends up to 20% (E20).

Long-Term Storage

Most gasoline contains ethanol. We recommend that you fill the fuel tank with fuel that does not contain ethanol if you intend to store your vehicle for more than two months. Alternatively, we recommend that you seek advice from an authorized dealer.

FUEL QUALITY

WARNINGS



Do not mix diesel with oil, gasoline or other liquids. This could cause a chemical reaction.



Do not add kerosene, paraffin or gasoline to diesel. This could cause damage to the fuel system.

WARNINGS



Use diesel that meets the specification defined by EN 590 or the relevant national specification.

Note: We recommend that you use only high quality fuel.

Note: We do not recommend the use of additional additives or other engine treatments for normal vehicle use.

Note: We do not recommend the use of additional additives to prevent fuel waxing.

Long-Term Storage

Most diesel fuels contain biodiesel. We recommend that you fill the fuel tank with fuel that does not contain biodiesel if you intend to store your vehicle for more than two months. Alternatively, we recommend that you seek advice from your dealer.

RUNNING OUT OF FUEL

Avoid running out of fuel because this situation may have an adverse effect on engine components.


If you have run out of fuel:

- You may need to cycle the ignition from off to on several times after refueling to allow the fuel system to pump the fuel from the tank to the engine. On restarting, cranking time will take a few seconds longer than normal. With keyless ignition, just start the engine. Crank time will be longer than usual.
- Normally, adding 3.8 liters of fuel is enough to restart the engine. If the vehicle is out of fuel and on a steep grade, more than 3.8 liters may be required.

Fuel and Refueling






CATALYTIC CONVERTER

WARNING

 Do not park or idle your vehicle over dry leaves, dry grass or other combustible materials. The exhaust will radiate a considerable amount of heat during use, and after you have switched the engine off. This is a potential fire hazard.



Driving with a Catalytic Converter

WARNINGS





-  Avoid running out of fuel.
-  Do not crank the engine for long periods.
-  Do not run the engine when a spark plug lead is disconnected.
-  Do not push-start or tow-start your vehicle. Use booster cables. See **Jump Starting the Vehicle** (page 136).
-  Do not switch the ignition off when driving.

REFUELING

WARNINGS

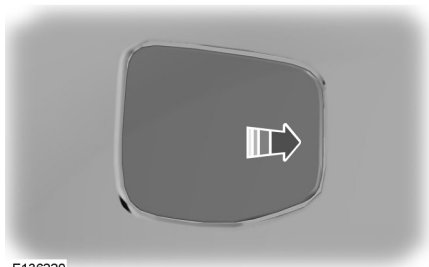
-  Do not attempt to start the engine if you have filled the fuel tank with the incorrect fuel. This could damage the engine. Have your vehicle checked by an authorized dealer immediately.
-  Do not use any kind of flames or heat near the fuel system. The fuel system is under pressure. There is a risk of injury if the fuel system is leaking.

WARNINGS

-  If you use a high pressure spray to wash your vehicle, only spray the fuel filler flap briefly from a distance not less than 8 inches (200 millimeters).
-  We recommend that you wait at least 10 seconds before removing the fuel nozzle to allow any residual fuel to drain into the fuel tank.
-  Stop refueling after the fuel nozzle stops the second time. Additional fuel will fill the expansion space in the fuel tank which could lead to fuel overflowing. Fuel spillage could be hazardous to other road users.
-  Do not remove the fuel nozzle from its fully inserted position during the entire refueling process.

Note: *Central locking also locks and unlocks the fuel filler flap. See **Locking and Unlocking** (page 36).*

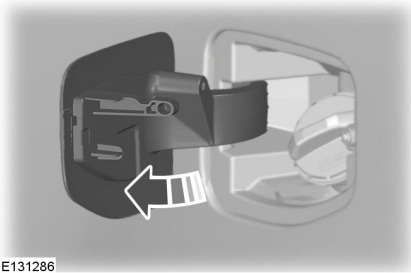
Vehicles with Fuel Filler Cap



E136220

1. Press the flap to open it.

Fuel and Refueling



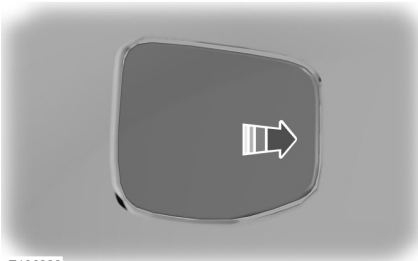
E131286

2. Open the flap fully until it engages.
3. Turn the fuel filler cap anti-clockwise.
4. To close, turn the fuel filler cap clockwise until it clicks.
5. Close and push the fuel filler flap to lock it.

Note: Disregard the hissing noise while opening the filler cap. This is normal.

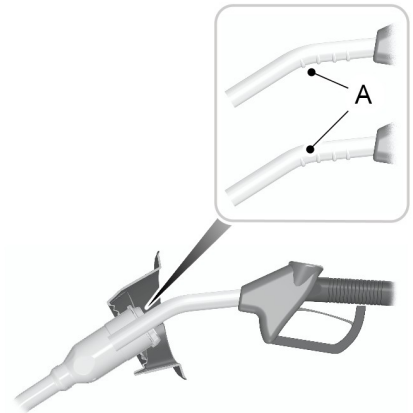
If you must replace the fuel filler cap, replace only with the cap designed for your vehicle. The customer warranty may be void for any damage to the fuel tank or fuel system if the correct genuine Ford fuel filler cap is not used.

Vehicles without Fuel Filler Cap



E136220

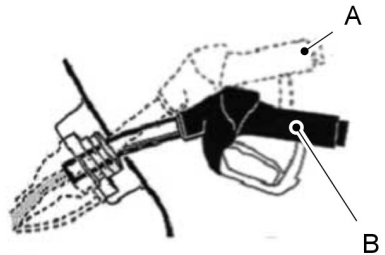
1. Press the flap to open it. Open the flap fully until it engages.



E139202

Note: When you insert the correct size fuel nozzle, a spring loaded inhibitor will open. This helps to avoid filling up with the incorrect fuel.

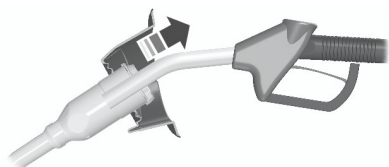
2. Insert the fuel nozzle up to and including the first notch on the fuel nozzle A. Keep it resting on the cover of the fuel pipe opening.



E139203

3. Hold the fuel nozzle in position B during 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.

Fuel and Refueling



E119081

4. Slightly raise the fuel nozzle to remove it.

Note: A funnel is located in the glove box. Use this when refilling with a fuel can.

FUEL CONSUMPTION

Note: The amount of usable fuel in the empty reserve varies and should not be relied upon to increase driving range. When refueling your vehicle after the fuel gauge indicates empty, you might not be able to refuel the full amount of the advertised capacity of the fuel tank due to the empty reserve still present in the fuel tank.

The CO₂ and fuel consumption figures are derived from laboratory tests according to Regulation (EC) 715/2007 and subsequent amendments are carried out by all vehicle manufacturers.

They are intended as a comparison between makes and models of vehicles. They are not intended to represent the real world fuel consumption you may get from your vehicle.

Real world fuel consumption is governed by many factors including: driving style, high speed driving, stop-start driving, air conditioning usage, the accessories fitted, payload, towing, etc.

The advertised capacity is the indicated capacity and the empty reserve combined. Indicated capacity is the difference in the amount of fuel in the fuel tank and when the fuel gauge indicates empty. Empty reserve is the amount of fuel in the fuel tank after the fuel gauge indicates empty.

Filling the Fuel Tank

For consistent results when refueling:

- Switch the ignition off.
- Allow no more than two automatic shut-offs when refueling.

Results are most accurate when the refueling method is consistent.

Calculating Fuel Economy

Do not measure fuel economy during the first 1000 mi (1,600 km) of driving (this is the engine break-in period). A more accurate measurement is obtained after 2500 mi (4,000 km). Also, fuel expense, frequency of fill ups or fuel gauge readings are not accurate ways to measure fuel economy.

1. Fill the fuel tank completely and record the initial odometer reading.
2. Each time you fill the fuel tank, record the amount of fuel added.
3. After at least three to five fuel tank fill ups, fill the fuel tank and record the current odometer reading.
4. Subtract your initial odometer reading from the current odometer reading.
5. Calculate fuel economy by dividing miles traveled by gallons used (For Metric: Multiply liters used by 100, then divide by kilometers traveled).

Fuel and Refueling

Keep a record for at least one month and record the type of driving (city or freeway). This provides an accurate estimate of your vehicle's fuel economy under current driving conditions. Additionally, keeping

records during summer and winter show how temperature impacts fuel economy. In general, your vehicle will use more fuel in cold temperatures.

TECHNICAL SPECIFICATIONS

Fuel Consumption Figures

Variant	Urban	Extra-Urban	Combined	CO2 Emissions
	l/100 km (mpg)	l/100 km (mpg)	l/100 km (mpg)	g/km
Vehicles with a 2.5L Duratec-HE engine - 2-wheel drive	13.6 (20.7)	8.2 (34.4)	10.2 (27.7)	244
Vehicles with a 2.5L Duratec-HE engine - 4-wheel drive	14.1 (20.0)	8.9 (31.7)	10.8 (26.1)	259
Vehicles with a 2.2L Duratorq-TDCi engine - 2-wheel drive (manual transmission - MT82)	9.0 (31.4)	6.8 (41.5)	7.6 (37.2)	203
Vehicles with a 2.2L Duratorq-TDCi engine - 4-wheel drive (manual transmission - MT82)	9.9 (28.5)	7.1 (39.8)	8.1 (34.9)	217
Vehicles with a 2.2L Duratorq-TDCi engine - 2-wheel drive (automatic transmission)	11.1 (25.4)	7.6 (37.2)	8.9 (31.7)	238
Vehicles with a 2.2L Duratorq-TDCi engine - 4-wheel drive (automatic transmission)	12.1 (23.3)	7.9 (35.7)	9.4 (30.0)	251
Vehicles with a 3.2L Duratorq-TDCi engine - 2-wheel drive (manual transmission - MT82)	10.8 (26.1)	7.0 (40.3)	8.4 (33.6)	222

Fuel and Refueling

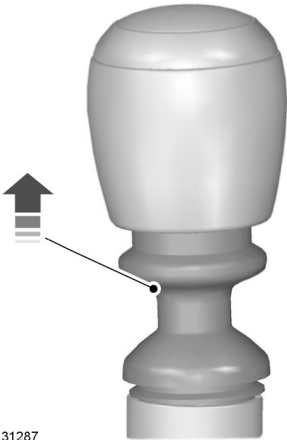
Variant	Urban	Extra-Urban	Combined	CO2 Emissions
	l/100 km (mpg)	l/100 km (mpg)	l/100 km (mpg)	g/km
Vehicles with a 3.2L Duratorq-TDCi engine - 4-wheel drive (manual transmission - MT82)	11.8 (23.9)	7.6 (37.1)	9.1 (31.0)	241
Vehicles with a 3.2L Duratorq-TDCi engine - 2-wheel drive (automatic transmission)	11.6 (24.3)	7.4 (38.2)	8.9 (31.7)	239
Vehicles with a 3.2L Duratorq-TDCi engine - 4-wheel drive (automatic transmission)	12 (23.5)	7.9 (35.7)	9.4 (30.0)	251

Transmission

MANUAL TRANSMISSION

Selecting Reverse Gear

Do not engage reverse gear when your vehicle is moving. This can cause damage to the transmission.



E131287

Raise the collar when you select reverse gear.

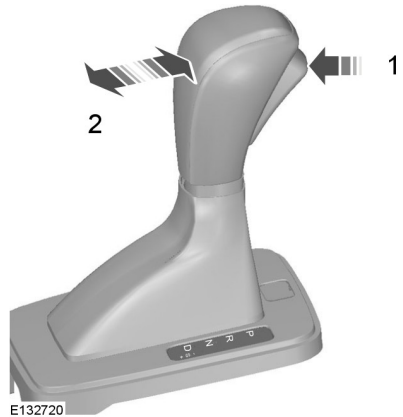
AUTOMATIC TRANSMISSION

WARNING



Always set the parking brake fully and make sure you move the transmission selector lever to park. Switch the ignition off and remove the key whenever you leave your vehicle.

Selector lever positions



E132720

- P Park
- R Reverse
- N Neutral
- D Drive
- S Sport mode and manual shifting
- S+ Manual shift up
- S- Manual shift down

WARNING



Apply the brakes before moving the selector lever and keep them applied until you are ready to move off.

Note: A cold engine has a higher idle speed. This will increase the tendency for your vehicle to **creep** when you have selected a drive gear.

Press the button on the transmission selector lever to select reverse and park.

The transmission selector lever position will be shown in the instrument cluster display.

Transmission

P (Park)

WARNINGS



Move the transmission selector lever to park only when your vehicle is stationary.



Apply the parking brake and move the transmission selector lever to park before leaving your vehicle.

Make sure that the transmission selector lever is latched in position.

Note: To move the selector lever from park position, apply the footbrake and ignition key in position II.

In this position, power is not transmitted to the drive wheels and the transmission is locked. You can start the engine with the transmission selector lever in this position.

Note: An audible warning will sound if you open the drivers door and you have not moved the transmission selector lever to park.

Note: The battery saver will deactivate the audible warning after a period of time.

R (Reverse)

WARNINGS



Move the transmission selector lever to reverse only when your vehicle is stationary and the engine is at idle speed.



Always come to a complete stop before shifting the transmission selector lever out of reverse.

Move the transmission selector lever to reverse to allow your vehicle to move backward.

N (Neutral)

In this position, power is not transmitted to the drive wheels but the transmission is not locked. You can start the engine with the transmission selector lever in this position.

D (Drive)

Note: A shift will occur only when your vehicle speed and the engine speed are appropriate.

Select drive to shift automatically through the forward gears.

The transmission will select the appropriate gear for optimum performance based on ambient temperature, road gradient, vehicle load and your input.

Sport Mode and Manual Shifting

Sport mode

Note: In sport mode the transmission operates as normal but gears are selected more quickly and at higher engine speeds.

Note: In sport mode **S** will be shown in the instrument cluster display.

Note: When towing heavy loads or in hilly terrain, it is recommended that sport mode is selected. This will result in cooler transmission temperatures and additional engine braking.

Switch on sport mode by moving the transmission selector lever from drive position towards the driver. Sport mode will remain on until either you shift manually up or down the gears using **+** and **-**.

Manual shifting

WARNINGS



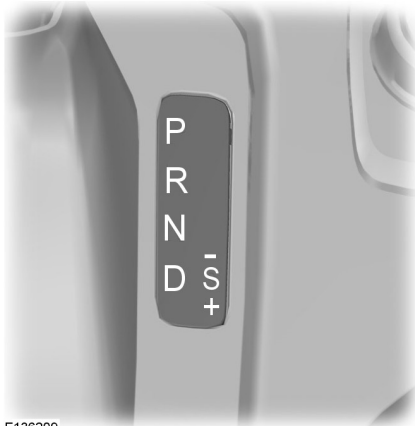
Do not hold the transmission selector lever permanently in **-** or **+**.

Transmission

WARNINGS



The transmission will automatically downshift when the engine speed is too low.



E136209

Manual shifting can be done only when the selector lever is in position S. Move the transmission selector lever forward to downshift and backward to upshift.

When the vehicle is stationary, only the 1st and 2nd gears can be selected.

Manual shifting is sequential, therefore gears cannot be skipped.

The transmission will remain in the selected gear. When the engine speed is too low or idle, it will downshift to 2nd gear. The selected gear is indicated in the instrument cluster. See **General Information** (page 59).

Manual mode also provides a kickdown function. See **Kickdown**.

Hints on driving with an automatic transmission

WARNING



Do not idle the engine for long periods of time in drive with the brakes applied.

Moving off

WARNING



It is not possible to tow-start or push-start a vehicle fitted with an automatic transmission. See **Jump Starting the Vehicle** (page 136).

1. Release the parking brake.
2. Release the brake pedal and press the accelerator pedal.

Stopping

1. Release the accelerator pedal and press the brake pedal.
2. Apply the parking brake.
3. Move the transmission selector lever to **N** or **P**.

Kickdown

Press the accelerator pedal fully with the transmission selector lever in the drive position to select the next highest gear for optimum performance. Release the accelerator pedal when you no longer require kickdown.

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.

Transmission

If your vehicle gets stuck in mud or snow, it may be rocked out by shifting between forward and reverse gears, stopping between shifts in a steady pattern. Press lightly on the accelerator in each gear.

Emergency Park Position Release Lever

WARNINGS



Do not drive your vehicle until you verify that the brake lamps are working.



If the parking brake is fully released, but the brake warning lamp remains illuminated, the brakes may not be working correctly. See an authorized dealer.

Use the button to move the transmission selector lever from the park position in the event of an electrical malfunction or if your vehicle battery has no charge.



E132721

1. Apply the parking brake and switch the ignition off before performing this procedure.
2. Lift up the cover in the center console next to the transmission selector lever with a suitable tool.

3. Push down the locking button in the slot and simultaneously move the selector lever out of the **P** position.

Note: Take care when opening the cover.

Note: See an authorized dealer as soon as possible if this procedure is used.

Four-Wheel Drive

PRINCIPLE OF OPERATION

This system is a proactive system. It has the ability to anticipate wheel slip and transfer torque to the rear wheels before slip occurs. Even when wheel slip is not present, the system is continuously making adjustments to the torque distribution, in an attempt to improve straight line and cornering behavior, both on and off road.

The system automatically turns on every time you switch the ignition on.

All components of the system are sealed and do not require maintenance.

USING FOUR-WHEEL DRIVE

Note: A clicking sound from the drive line may be heard while shifting between ranges, which is normal.



E132692

Two-Wheel Drive, High Range (2H)

Use for all normal road driving and also for off-road driving across dry, level terrain.

Four-Wheel Drive, High Range (4H)

WARNING



Do not use four-wheel drive 4H for normal road driving.

Use for off-road driving.

We recommend that you frequently inspect your vehicle's chassis components if your vehicle is subject to off-road use.

Note: The four-wheel drive indicator lamp will come on when the transfer shift switch is in the 4H position. See **Warning Lamps and Indicators** (page 53).

Four-Wheel Drive, Low Range (4L)

WARNING



Do not use four-wheel drive 4H for normal road driving.

Use for more extreme off-road conditions, such as steep ascents and descents.

Also use when low speed manoeuvring is necessary, such as reversing a trailer or negotiating a boulder-strewn river bed.

We recommend that you frequently inspect your vehicle's chassis components if your vehicle is subject to off-road use.

Note: The four-wheel drive low range 4L and four-wheel drive indicator lamps will come on when the transfer shift switch is in the 4L position. See **Warning Lamps and Indicators** (page 53).

Shifting Between 2H and 4H

Note: Shift to 2H will reactivate all the stability control (ESP) functions.

Four-Wheel Drive

Shift between 2H and 4H can be done with the vehicle moving up to 68.4 mph (110 km/h), but only with the accelerator pedal released. During the shift the indicator lamp will flash.

Shifting Between 2H and 4L

Note: Shift to 4L will deactivate Engine Traction Control and Trailer Stability Control but Hill Descent Control, Hill Start Assist and Brake Traction Control remain active.

Note: Shift to 2H will reactivate all the stability control (ESP) functions.

1. Stop the vehicle when it is safe to do so.
2. Fully depress the clutch pedal (manual transmission).
3. Move the transmission selector lever to position **N** (automatic transmission).
4. Turn the transfer shift switch from **2H** to **4L** or **4L** to **2H**.

During the shift the indicator lamp will flash. If it continues to flash, check meeting the above conditions.

Shifting Between 4H and 4L

Note: Shift to 4L will deactivate Engine Traction Control and Trailer Stability Control but Hill Descent Control, Hill Start Assist and Brake Traction Control remain active.

1. Stop the vehicle when it is safe to do so.
2. Fully depress the clutch pedal (manual transmission).
3. Move the transmission selector lever to position **N** (automatic transmission).
4. Turn the transfer shift switch from **4H** to **4L** or **4L** to **4H**.

During the shift the indicator lamp will flash. If it continues to flash, check meeting the above conditions.

Driving in Special Conditions With Four-Wheel Drive

Four-wheel drive vehicles are suitable for driving on sand, snow, mud and rough roads and have operating characteristics that are somewhat different from conventional vehicles, both on and off the freeway.

When driving at slow speeds off road under high load conditions, use a low gear when possible. Low gear operation will maximize the engine and transmission cooling capability.

Basic Operating Principles

- Drive slower in strong crosswinds which can affect the normal steering characteristics of your vehicle.
- When driving your vehicle on surfaces made slippery by loose sand, water, gravel, snow or ice proceed with care.

If Your Vehicle leaves the Road

If your vehicle leaves the road, reduce your vehicle speed and avoid severe braking. When your vehicle speed has been reduced ease your vehicle back onto the road. Do not turn the steering wheel sharply while returning your vehicle to the road.

It may be safer to stay on the shoulder of the road and slow down gradually before returning to the road. You may lose control if you do not slow down or if you turn the steering wheel too sharply or abruptly.

It may be less risky to strike small objects, such as freeway reflectors, with minor damage to your vehicle rather than attempt a sudden return to the road which could cause your vehicle to slide sideways out of control or roll over. Remember, your safety and the safety of others should be your primary concern.

Four-Wheel Drive

Emergency Maneuvers

In an unavoidable emergency situation where a sudden sharp turn must be made, remember to avoid over-driving your vehicle (i.e. turn the steering wheel only as rapidly and as far as required to avoid the emergency). Excessive steering can result in loss of vehicle control. Apply smooth pressure to the accelerator pedal or brake pedal when changes in vehicle speed are required. Avoid abrupt steering, acceleration and braking. This could result in an increased risk of vehicle roll over, loss of vehicle control and personal injury. Use all available road surface to bring your vehicle to a safe direction of travel.

In the event of an emergency stop, avoid skidding the tires and do not attempt any sharp steering wheel movements.

If your vehicle goes from one type of surface to another (i.e. from concrete to gravel) there will be a change in the way your vehicle responds to a maneuver (i.e. steering, acceleration or braking).

Sand

When driving over sand, try to keep all four wheels on the most solid area of the trail. Avoid reducing the tire pressures but shift to a lower gear and drive steadily through the terrain. Apply the accelerator slowly and avoid excessive wheel slip.

Do not drive your vehicle in deep sand for an extended period of time. This will cause the system to overheat.

To resume operation, switch the ignition off and allow the system to cool down for a minimum of 15 minutes.

When driving at slow speeds in deep sand under high outside temperatures, use a low gear when possible. Low gear operation will maximize the engine and transmission cooling capability.

Avoid driving at excessive speeds, this causes vehicle momentum to work against you and your vehicle could become stuck to the point that assistance may be required from another vehicle. Remember, you may be able to back out the way you came if you proceed with caution.

Mud and Water

Mud

Be cautious of sudden changes in vehicle speed or direction when you are driving in mud. Even four-wheel drive vehicles can lose traction in slick mud. If your vehicle does slide, steer in the direction of the slide until you regain control of your vehicle.

After driving through mud, clean off residue stuck to rotating driveshafts and tires. Excess mud stuck on tires and rotating driveshafts can cause an imbalance that could damage drive components.

Water

If you must drive through high water, drive slowly. Traction or brake capability may be limited.

When driving through water, determine the depth and avoid water higher than the bottom of the wheel rims. If the ignition system gets wet, your vehicle may stall.

Once through water, always try the brakes. Wet brakes do not stop your vehicle as effectively as dry brakes. Drying can be improved by applying light pressure to the brake pedal while moving slowly.

Note: *Driving through deep water may damage the transmission. If the front or rear axle is submerged in water, the axle lubricant and power transfer unit lubricant should be checked and changed if necessary.*

Four-Wheel Drive

Driving on Hilly or Sloping Terrain

Although natural obstacles may make it necessary to travel diagonally up or down a hill or steep incline, you should always try to drive straight up or straight down.

Note: *Avoid turning on steep slopes or hills. A danger lies in losing traction, slipping sideways and possible vehicle roll over. Whenever driving on a hill, determine beforehand the route you will use. Do not drive over the crest of a hill without seeing what conditions are on the other side. Do not drive in reverse over a hill without the aid of an observer.*

When climbing a steep slope or hill, start in a lower gear rather than downshifting to a lower gear from a higher gear once the ascent has started. This reduces strain on the engine and the possibility of stalling.

If your vehicle stalls, do not try to turn around because this could cause vehicle roll over. It is better to reverse back to a safe location.

Apply just enough power to the wheels to climb the hill. Too much power will cause the tires to slip, spin or lose traction, resulting in loss of vehicle control.




E143949

Descend a hill in the same gear you would use to climb up the hill to avoid excessive brake application and brake overheating. Do not descend in neutral. Disengage overdrive or move the transmission selector lever to a lower gear. When descending a steep hill, avoid sudden hard braking as you could lose control. The front wheels have to be turning in order to steer your vehicle.

Your vehicle has anti-lock brakes, therefore apply the brakes steadily. Do not pump the brake pedal.

Driving on Snow and Ice

WARNING

 If you are driving in slippery conditions that require tire chains or cables, then it is critical that you drive cautiously. Keep speeds down, allow for longer stopping distances and avoid aggressive steering to reduce the chances of a loss of vehicle control which can lead to serious injury or death. If the rear end of your vehicle slides while cornering, steer in the direction of the slide until you regain control of your vehicle.

Note: *Excessive tire slippage can cause transmission damage.*

Four-wheel drive vehicles have advantages over two-wheel drive vehicles in snow and ice but can skid like any other vehicle. Should you start to slide while driving on snowy or icy roads, turn the steering wheel in the direction of the slide until you regain control.

Avoid sudden applications of power and quick changes of direction on snow and ice. Apply the accelerator slowly and steadily when starting from a full stop.

Four-Wheel Drive

Avoid sudden braking. Although a four-wheel drive vehicle may accelerate better than a two-wheel drive vehicle in snow and ice, it will not stop any faster as braking occurs at all four wheels. Do not become overconfident as to road conditions.

Make sure you allow sufficient distance between you and other vehicles for stopping. Drive slower than usual and consider using one of the lower gears. In emergency stopping situations, apply the brake steadily. As your vehicle has a four wheel anti-lock brake system, do not pump the brake pedal. See **Hints on Driving With Anti-Lock Brakes** (page 103).

If Your Vehicle Gets Stuck In Mud or Snow

If your vehicle gets stuck in mud or snow, it may be rocked out by shifting between forward and reverse gears, stopping between shifts in a steady pattern. Press lightly on the accelerator in each gear.

Note: *Do not rock your vehicle if the engine is not at normal operating temperature, damage to the transmission may occur.*

Note: *Do not rock your vehicle for more than a minute, damage to the transmission and tires may occur or the engine may overheat.*

Maintenance and Modifications

The suspension and steering systems on your vehicle have been designed and tested to provide predictable performance whether loaded or empty. For this reason, we strongly recommend that you do not make modifications such as adding or removing parts (i.e. lift kits or stabilizer bars) or by using replacement parts not equivalent to the original factory equipment.

We recommend that you use caution when your vehicle has either a high load or device (i.e. ladder or luggage racks). Any modifications to your vehicle that raise the center of gravity may cause your vehicle to roll over when there is a loss of vehicle control.

Failure to maintain your vehicle correctly may void the warranty, increase your repair cost, reduce vehicle performance and operational capabilities and adversely affect you and your passenger's safety. We recommend you frequently inspect your vehicle's chassis components when your vehicle is subject to off road usage.

Rear Axle

LIMITED SLIP DIFFERENTIAL

This axle provides added traction on slippery surfaces, particularly when one wheel is on a poor traction surface. Under normal conditions, the limited slip axle functions like a standard rear axle. The axle may exhibit a slight noise or vibration in tight turns with low vehicle speed. This is normal behavior and indicates the axle is working.

ELECTRONIC LOCKING DIFFERENTIAL

WARNING



Do not operate the system on sealed roads. Doing so may lead to excessive tire noise and wear. Use the system only in consistently slippery or loose surface.

The system locks the left and right portions of the rear axle together to form a solid driving axle, resulting in increased rear wheel traction in certain conditions.

Press the Electronic Locking Differential (ELD) button to activate the system. For item location: See **Instrument Panel Overview** (page 15).

The rear axle will lock and unlock when the internal gears are aligned and with no torque load on the differential. To aid alignment, drive the vehicle in a straight line with the accelerator pedal released. Alternatively, drive slowly forward and backward while moving the steering wheel from side to side to allow the internal differential gears to align.

The system will:

- Automatically disengage when a speed of 24.9 mph (40 km/h) is exceeded.
- Automatically re-engage when the speed drops below 18.6 mph (30 km/h).
- Automatically disengage when the ignition is turned off.

Note: *The system activates when the vehicle speed is less than 18.6 mph (30 km/h) and accelerator pedal released.*

Note: *The system can be used in any transmission drive range (2H, 4H or 4L).*

If the system is selected when driving above 24.9 mph (40 km/h), the request is stored and will be engaged when the vehicle speed reduces to 18.6 mph (30 km/h). The ELD indicator lamp will flash until either the vehicle speed reduces and the differential lock is engaged or the driver deselects the ELD button.

Note: *When the system is engaged, the Electronic Stability Program (ESP) functions such as Stability Control, Traction Control, Hill Descent Control, Emergency stop signal, Hill Start Assist and Trailer stability control will be deactivated, the ESP off indicator illuminates, and the HDC on indicator turns off.*

Note: *When the ABS is operating, the system will be disengaged.*

Brakes

PRINCIPLE OF OPERATION

Disc brakes

Wet brake discs result in reduced braking efficiency. Dab the brake pedal when driving from a car wash to remove the film of water.

ABS

WARNING



The ABS does not relieve you of your responsibility to drive with due care and attention.

The ABS helps you to maintain full steering and directional stability when you brake heavily in an emergency, by preventing the road wheels from locking.

Brake override

In the event that the accelerator pedal becomes stuck or entrapped, applying steady and firm pressure to the brake pedal will both slow the vehicle and reduce engine power.

If you experience this condition:

1. Apply the brakes and bring your vehicle to a safe stop.
2. Turn the engine off.
3. Select park (automatic transmission only).
4. Apply the parking brake.

Inspect the accelerator pedal for any interferences. If none are found and the condition persists, have your vehicle towed to a dealer.

HINTS ON DRIVING WITH ANTI-LOCK BRAKES

Note: *When the system is operating, the brake pedal will pulse and may travel further. Maintain pressure on the brake pedal. You may also hear a noise from the system. This is normal.*

The anti-lock braking system will 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.

PARKING BRAKE

WARNING



Always set the parking brake fully and leave your vehicle with the transmission selector lever in position **P**.

Note: *Do not press the release button while pulling the lever up.*

To apply the parking brake:

1. Press the foot brake pedal firmly.
2. Pull the parking brake lever up to its fullest extent.

Note: *If you park your vehicle on a hill and facing uphill, move the transmission selector lever to position **P** and turn the steering wheel away from the curb.*

Note: *If you park your vehicle on a hill and facing downhill, move the transmission selector lever to **P** and turn the steering wheel toward the curb.*

To release the parking brake:

1. Press the brake pedal firmly.
2. Pull the lever up slightly.

Brakes

3. Press the release button and push the lever down.

HILL START ASSIST

WARNINGS



The system does not replace the parking brake. When you leave your vehicle, always apply the parking brake and move the transmission selector lever into position P (Park).



You must remain in your vehicle once you have turned the system on.



The system is active unless ESP warning lamp is turned off. During all times, you are responsible for controlling your vehicle, supervising the system and intervening, if required.



If the engine is revved excessively or if a malfunction is detected, the system will turn off and ESP warning lamp will turn on.



There is a short delay in the system activation of up to two seconds after the shifting the lever to Drive or Reverse in vehicles with automatic transmission.

The system makes it easier to pull away when your vehicle is on a slope without the need to use the parking brake.

When the system is active, your vehicle will remain stationary on the slope for two to three seconds after you release the brake pedal. This allows you time to move your foot from the brake to the accelerator pedal. The brakes are released automatically once the engine has developed sufficient drive to prevent your vehicle from rolling down the slope. This is an advantage when pulling away on a slope, (for example from a car park ramp, traffic lights or when reversing uphill into a parking space).

The system will turn on automatically on any slope which can result in significant vehicle rollback.

Note: Hill start assist is available in vehicles equipped with electronic stability program (ESP).

Using Hill Start Assist

1. Press the brake pedal to bring your vehicle to a complete standstill. Keep the brake pedal pressed.
2. If the sensors detect that your vehicle is on a slope, the system will be activated automatically.
3. When you remove your foot from the brake pedal, your vehicle will remain on the slope without rolling away for approximately two or three seconds. This hold time will automatically be extended if you are in the process of driving off.
4. Drive off in the normal manner. The brakes will be released automatically.

Enable and Disable the System

You can enable the system only if the following conditions are met:

- The engine is running.
- All doors are fully closed.
- The parking brake is fully disengaged.
- No failure mode is present.
- Accelerator pedal is not depressed.
- Vehicle is completely stopped.
- Uphill: Gear shift lever should be in position D for Automatic transmission and in any position other than R (reverse) for manual transmission.
- Downhill: Gear shift lever should be in position R (reverse).

To disable the system, perform one of the following:

Brakes

- Apply the parking brake.
- Open any door.
- Drive off uphill without re-applying the brake.
- Wait for one to two seconds after you remove your foot from the brake pedal.
- If the system is active in a forward gear, select reverse gear.
- If the system is active in neutral, release the clutch pedal (Manual transmission).
- If the system is active in reverse gear, select neutral.

Switching the System On and Off

Note: *You can only switch the system on and off if your vehicle has a manual transmission.*

Note: *The system will remain on or off depending on how it was last set.*

Your vehicle comes with this feature already enabled. If required, you can switch this feature off using the information display. See **General Information** (page 59).

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

Traction control forms part of the stability control system.

Note: *The system automatically turns on every time you switch the ignition on.*

Note: *Switching off the stability control will turn off the system.*

In certain situations (e.g. stuck in snow or mud), turning the system off may be beneficial as this allows the wheels to spin with full engine power.

Traction control is an enhanced feature of stability control system and automatically detects the wheel spin when you accelerate. If this situation occurs, the system applies your vehicle brakes at individual wheels and if necessary, reduces engine power.

Note: *Shift to 4L will deactivate engine traction control but brake traction control remain active.*

Note: *Switching on the electronic locking differential will turn off the system.*

Note: *To switch off the traction control as required, See **Stability Control** (page 107).*

Stability Control

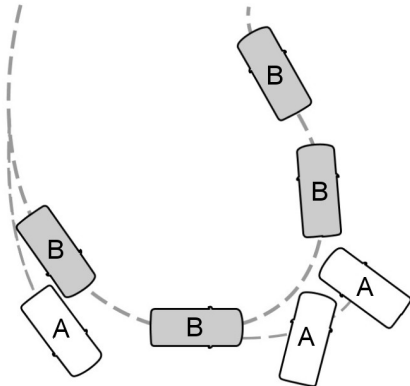
PRINCIPLE OF OPERATION

Electronic Stability Program

WARNING



The system does not relieve you of your responsibility to drive with due care and attention. Failure to do so could result in loss of vehicle control, personal injury or death.



E72903

- A Without ESP
- B With ESP

The system supports stability when your vehicle starts to slide away from your intended path. The system performs this by braking individual wheels and reducing engine torque as required.

The system also provides an enhanced traction control function by reducing engine torque if the wheels spin when you accelerate. This improves your ability to pull away on slippery roads or loose surfaces, and improves comfort by limiting wheel spin in hairpin bends.

Stability Control Warning Lamp

While driving, it flashes when the system is operating. See **Warning Lamps and Indicators** (page 53).

USING STABILITY CONTROL

Note: The system will be switched on automatically every time you switch the ignition on.

Note: When the system is deactivated with the transfer switch in 2H position, the ESP off indicator will flash twice to indicate that the system is completely turned off and remains illuminated. Press the switch again to enable the system. For item location: See **At a Glance** (page 12).

Note: ESP is switched off when the transfer switch is in 4L position or the electronic locking differential is operating.

2-wheel drive vehicles

Press and hold the switch for one second to deactivate engine traction control, trailer stability control and brake traction control. Hill start assist remains active.

4-wheel drive vehicles

Note: All the stability control (ESP) functions are reactivated when 2H position is selected.

Transfer shift switch in 4H position:

- Press and hold the switch for one second to deactivate engine traction control and trailer stability control. Hill descent control, hill start assist and brake traction control remain active.

Transfer shift switch in 4H or 4L position:

Stability Control

- Press and hold the switch for five seconds to deactivate engine traction control, trailer stability control and brake traction control. Hill descent control and hill start assist remain active.

Transfer shift switch in **2H** position:

- Press and hold the switch for one second to deactivate engine traction control, brake traction control and stability control including trailer stability control. Hill descent control and hill start assist remain active.

Terrain Response

PRINCIPLE OF OPERATION

WARNING



Before driving off-road it is absolutely essential that in-experienced drivers become fully familiar with the vehicle's controls. In particular, Sport mode and Hill Descent Control (HDC).

Hill descent control (HDC) operates in conjunction with stability control (ESP) to provide greater control when off-road, particularly when descending steep slopes. HDC operation is fully automatic when engaged.

Engine braking controls the speed of the descent during an off-road hill descent. If engine braking alone is insufficient to control the vehicle's speed, HDC will slow the vehicle using the braking system.

Note: Use HDC only in first or reverse gear in manual transmission vehicles.

Note: Use HDC only in **D**, **R** or Sport mode **1** in automatic transmission vehicles. When in **D**, the vehicle will select the most appropriate gear.

USING HILL DESCENT CONTROL

Note: HDC deactivates when the electronic locking differential is operating.

Selecting HDC

Select HDC at speeds less than 37.3 mph (60 km/h). To select HDC, press the hill descent control switch. For item location: See **Instrument Panel Overview** (page 15).

Note: HDC will be active at speeds less than 21.7 mph (35 km/h) and deactivated above 24.9 mph (40 km/h) but will not turn off until vehicle exceeds 37.3 mph (60 km/h).

Note: HDC will turn off when you switch the ignition off.



The HDC switch will illuminate continuously to indicate that HDC is fully active.

HDC will temporarily deactivate during the following conditions:

- The brake is hot. Operation resumes once the brakes cool down.
- Stability control indicator on warning lamp is illuminated and operating.
- Electronic locking differential is operating.

HDC Operation



E102680

Cruise control switches on the steering wheel allows you to control your speed of descent. **SET +** increases the speed and **SET -** decreases the speed.

Terrain Response

Changing the Set Speed

- Press and hold **SET+** or **SET-**. Release the control when you reach the desired speed.
- Press and release **SET+** or **SET-**. The set speed will change in approximately 0.6 mph (1 km/h) increments.

Pressing the accelerator pedal or brake pedal will increase or decrease the speed respectively.

Note: *Each gear has a pre-determined minimum speed.*

Note: *Descent speed will only increase on a slope steep enough to provide additional momentum. Therefore, use of the **SET+** switch on a gentle slope may not increase the speed.*

Note: *Brake overrides the HDC if the brake pedal is pressed and the system resumes on the release of the brake pedal.*

Note: *HDC assistance will fade out gradually if you switch the system off. This is to prevent the loss of control if you press the HDC switch unintentionally. If assistance is still required, you can switch back the HDC on. The control will resume at a speed the vehicle is travelling when the pedal is released.*

Note: *You may hear a noise from the system. This is normal.*








Note: *When HDC is operating, ESP on warning lamp will flash.*

HDC operates only if the vehicle speed is within the specified range even if the system is on permanently during off-road driving.

Parking Aids

PRINCIPLE OF OPERATION

WARNINGS

-  The system does not relieve you of your responsibility to drive with due care and attention.
-  If your vehicles has a non-Ford approved trailer tow module the system may not correctly detect objects.
-  The sensors may not detect objects in heavy rain or other conditions that cause disruptive reflections.
-  The sensors may not detect objects with surfaces that absorb ultrasonic waves.
-  The system does not detect objects that are moving away from your vehicle. They will only be detected shortly after they start to move toward your vehicle.
-  Take particular care when reversing with a tow ball arm or a rear fitted accessory. For example, a bicycle carrier. The rear parking aid will only indicate the approximate distance from the rear bumper to an object.
-  If you use a high pressure spray to wash your vehicle, only spray the sensors briefly from a distance not less than eight inches (20 centimeters).

Note: *If your vehicle has a tow ball arm, the system is turned off automatically when trailer lamps (or lighting boards) are connected to the 13-pin socket through a Ford approved trailer tow module.*


Note: *Keep the sensors free from dirt, ice or snow. Do not clean with sharp objects.*

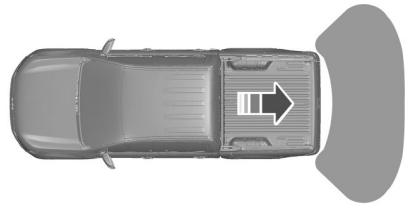
Note: *The system may emit false alerts if it detects a signal using the same frequency as the sensors or if your vehicle is fully loaded.*

Note: *The outer sensors may detect the side walls of a garage. If the distance between the outer sensors and the side wall remains constant for three seconds, the alert will turn off. As you continue the inner sensors will detect objects directly behind your vehicle.*

PARKING AID

WARNING

-  The parking aid does not relieve you of your responsibility to drive with due care and attention.



E134605

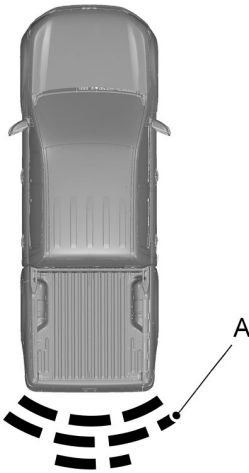
The parking aid is automatically activated when you select reverse gear with the ignition switched on.

Note: *It will chime once to indicate that the parking aid is activated.*

Note: *The indicator lamps will be displayed in the multi-function display. For item location: See **Instrument Panel Overview** (page 15).*

Parking Aids

You will hear an intermittent tone at a distance of approximately 180 centimeters (71 inches) between the obstacle and rear bumper and approximately 50 centimeters (20 inches) to the side. Decreasing the distance accelerates the intermittent tone.

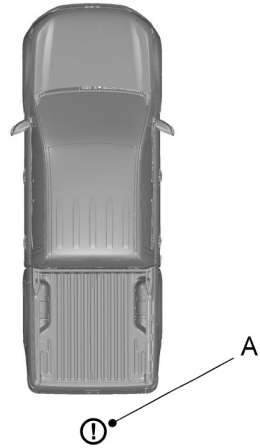


E134606

A Distance Indicator.

As the distance decreases the indicator moves towards the vehicle.

A continuous tone will start at a distance of less than 40 centimeters (15 inches) to the rear bumper.



E134607

A Malfunction indicator.

Note: *If a malfunction is indicated the system will be disabled and a unique tone will be heard. Have the system checked by a properly trained technician.*

Parking Aids



E134608

A trailer symbol indicates there is a trailer attached and the system is disabled.

REAR VIEW CAMERA (IF EQUIPPED)

WARNINGS



The operation of the camera may vary depending on the ambient temperature, vehicle and road conditions.

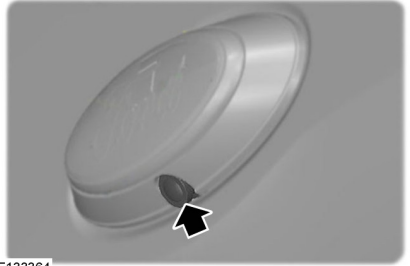


The distances shown in the display may differ from the actual distance.



Do not place objects in front of the camera.

The camera is located on the tailgate below the badge.



E133364

Switching the Rear View Camera On

WARNING



The camera may not detect objects that are close to your vehicle.

Switch the ignition and the audio unit on. Move the transmission selector lever to reverse.

The image is displayed on the rear view mirror screen.

The camera may not operate correctly in the following conditions:

- Dark areas.
- Intense light.
- If the ambient temperature increases or decreases rapidly.
- If the camera is wet, for example in rain or high humidity.
- If the camera's view is obstructed, for example by mud.

Using the Display

WARNINGS



Obstacles above the camera position will not be shown. Inspect the area behind your vehicle if necessary.

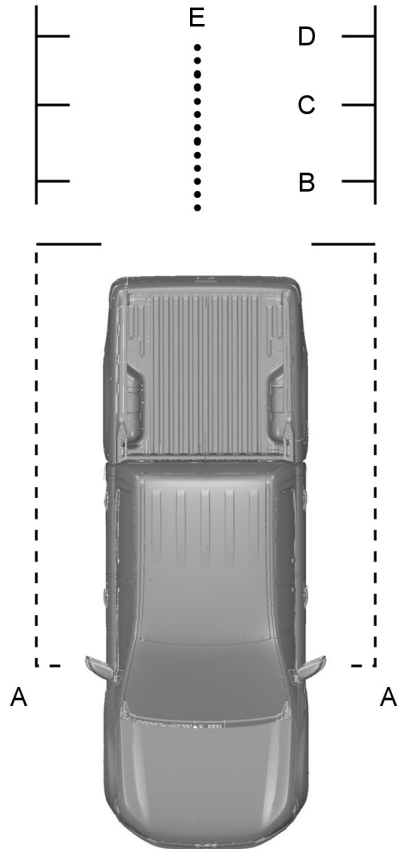
Parking Aids

WARNINGS



Marks are for general guidance only, and are calculated for vehicles in maximum load conditions on an even road surface.

The lines show the distance from the outer edge of the front tire plus two inches (51 millimeters) and the rear bumper.



E133365

- A Exterior mirror clearance - 4 inches (0.1 meter)
- B Red - up to 12 inches (0.3 meter)
- C Amber - 39 inches (1 meter)

Parking Aids

- D Green - 79 inches (2 meter)
- E Black - center line of the projected vehicle path

Note: *When reversing with a trailer, the lines on the screen are not shown. The camera will show your vehicle direction and not the trailer.*

Switching the Rear View Camera Off

Note: *Move the transmission selector lever from reverse gear. The display will switch off after a short period.*

Note: *The system will automatically switch off once your vehicle speed has reached approximately 9.3 mph (15 km/h).*

Cruise Control

PRINCIPLE OF OPERATION

WARNING



The system does not relieve you of your responsibility to drive with due care and attention.

Cruise control allows you to control your speed using the switches on the steering wheel. You can use cruise control when you exceed approximately 20 mph (30 km/h).

USING CRUISE CONTROL

WARNINGS



Do not use cruise control in heavy traffic, on winding roads or when the road surface is slippery. This could result in loss of vehicle control, serious injury or death.



When you are going downhill, your speed may increase above the set speed. The system will not apply the brakes. Change down a gear to assist the system in maintaining the set speed. Failure to do so could result in loss of vehicle control, serious injury or death.

Note: Cruise control will disengage if your vehicle speed decreases more than 10 mph (16 km/h) below your set speed while driving uphill.



E102679

The cruise controls are located on the steering wheel.

Switching Cruise Control On

Press and release **ON**.



The indicator will display in the instrument cluster.

Setting a Speed

1. Accelerate to the desired speed.
2. Press and release **SET+**.
3. Take your foot off the accelerator pedal.

Changing the Set Speed

- Press and hold **SET+** or **SET-**. Release the control when you reach the desired speed.
- Press and release **SET+** or **SET-**. The set speed will change in approximately 1 mph (2 km/h) increments.
- Press the accelerator or brake pedal until you reach the desired speed. Press and release **SET+**.

Canceling the Set Speed

Press and release **CAN**, or tap the brake pedal. The set speed will not be erased.

Cruise Control

Resuming the Set Speed

Press and release **RES**.

Switching Cruise Control Off

Note: *You will erase the set speed if you switch the system off.*

Press and release **OFF** or switch the ignition off.

Load Carrying

GENERAL INFORMATION

WARNINGS



Use load securing straps to an approved standard, e.g. DIN.



Make sure that you secure all loose items properly.



Place luggage and other loads as low and as far forward as possible within the luggage or loadspace.



Do not drive with the liftgate or rear door open. Exhaust fumes may enter your vehicle.



Do not exceed the maximum front and rear axle loads for your vehicle. See **Vehicle Identification Plate** (page 190).



Do not exceed the maximum gross vehicle weight. See **Vehicle Identification Plate** (page 190).

Note: When loading long objects in to your vehicle, for example pipes, timber or furniture be careful not to damage the interior trim.

LUGGAGE COVERS

WARNINGS



Do not move your vehicle with people or animals in the loadspace.



Do not use the roller shutter pull strap to secure loads.



Do not sit, stand or place anything on the roller shutter.

WARNINGS



To service the roller shutter, see an authorized dealer.

Note: You must secure the loads carried in the loadspace.

Note: Use the pull strap to close the roller shutter.

Note: Make sure that the roller shutter is free of any obstruction before you open or close it. For example; snow or ice.

Note: Water and dust may enter the loadspace with the roller shutter closed.

Operation

The roller shutter has four locking positions:

1. Fully closed.
2. 1/3 open.
3. 2/3 open.
4. Fully open.

Note: The locking mechanism does not lock automatically as it passes each locking position.

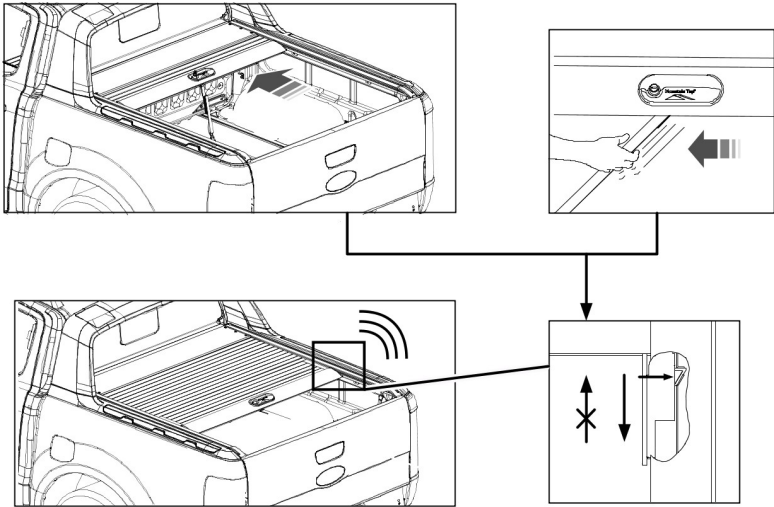
Locking and unlocking into positions

Note: You will hear a click as the roller shutter passes each locking position.

Note: Use the pull strap to control the roller shutter movement while opening.

Lock the roller shutter at the required locking position by pulling the pull strap to the left.

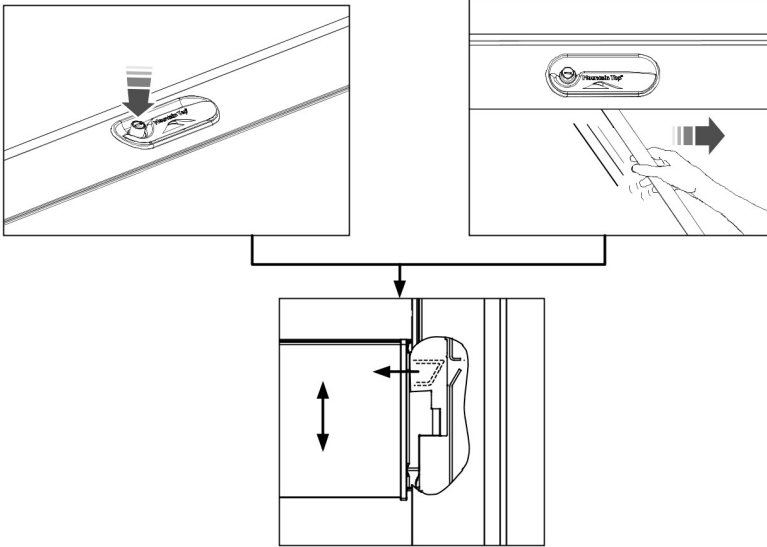
Load Carrying



E154609

Unlock the roller shutter by pulling the pull strap to the right or by pressing the lock buttons.

Load Carrying



E154610

ROOF RACKS AND LOAD CARRIERS

WARNINGS



If you use a roof rack, the fuel consumption of your vehicle will be higher and you may experience different driving characteristics.



Read and follow the manufacturer's instructions when you are fitting a roof rack.

WARNINGS

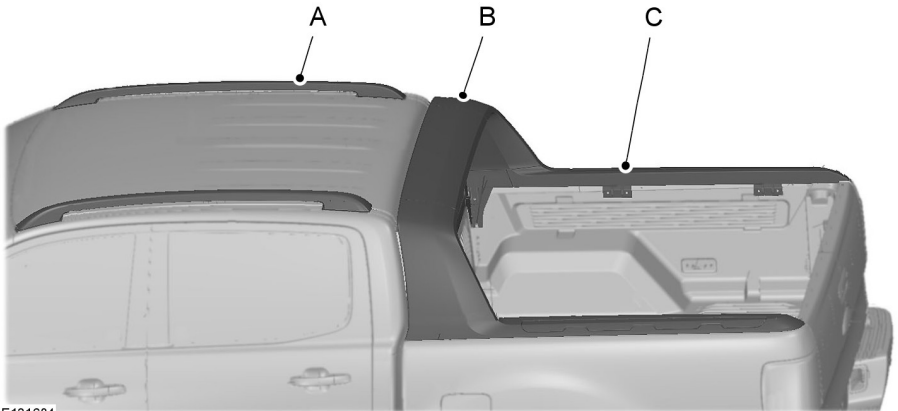


Do not exceed the maximum permissible roof rail load of 176.37 lb (80 kg), including the roof rack.

Check the security of the roof rack load:

- Before starting.
- After driving 31.1 mi (50 km).
- At 621.4 mi (1,000 km) intervals.

Load Carrying



E131684

- A Roof Rail
- B Sports bar
- C Box rail

Note: Do not sit or stand on items B or C.

Note: Do not use item C to secure loads.

Note: To reduce fuel consumption, roof rails should be removed when not in use.

LOAD RETAINING FIXTURES

Tie Down Points

WARNINGS



Use the tie down points only for restraining the loads within the loadspace. Using tie down points for any other purpose may lead to serious injury or vehicle damage. Do not use the tie down points for towing.



Each tie down point has a maximum load rating. Exceeding this may lead to serious injury and vehicle damage.

WARNINGS

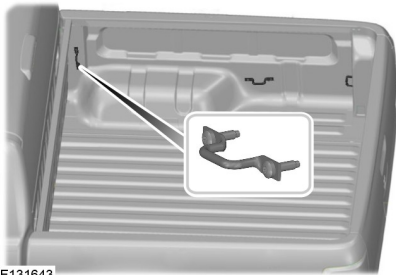


Always inspect the tie down points before use.

Note: The number of tie down points may vary depending on your vehicle model.

Load Carrying

Type 1

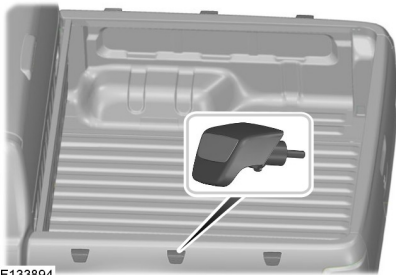


E131643

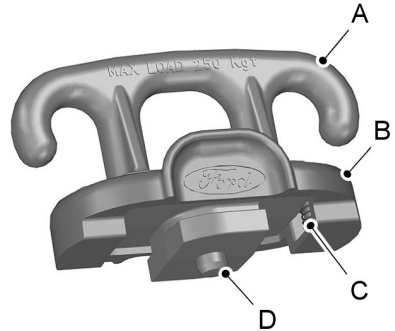


E133896

Type 2



E133894



E134098

- A Cleat
- B Bezel
- C Spring
- D Pin

Type 3

WARNING



Do not exceed the maximum load per tie down point stamped on it.

Do not use the tie down points under the following conditions:


- Any sign of wear or damage.
- Rail channels supporting the tie down points show any sign of wear, damage or distortion.

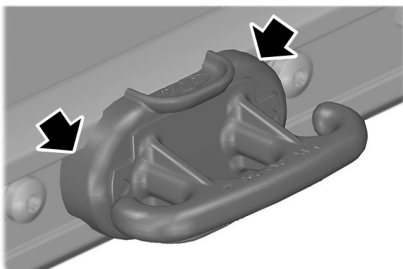
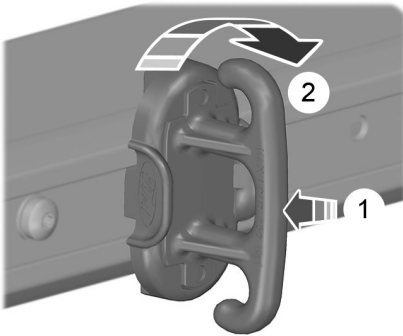
Load Carrying

- Locking bezel is damaged or broken or will not lock into place.
- Not seated correctly within the support rail.

Fitting the Tie Down Points

WARNING

 Bezel must be fully engage into the rail to secure the tie down point for safe use. The word 'Not Locked' will be visible in the incorrectly installed tie downs.



E134099

1. Engage the base of the tie down point into the rail channel while holding the cleat vertically.


2. Slide along the rail until the pin on the base of the tie down engages in a desired hole on the rail.
3. Push the tie down in and rotate a quarter turn clockwise until the tie down cleat is horizontal and the locking bezel "snaps" into place.

Removing the Tie Down Points

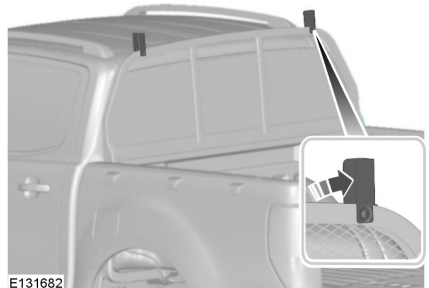
1. Grasp the locking bezel between the thumb and fingers using the finger recess.
2. Pull the bezel away from the rail until the base of the tie down point is fully disengaged from the rail channel.
3. Turn the tie down point a quarter turn anticlockwise until it snaps out of the rail.

Load Rest

WARNINGS

 A loaded load rest alters the vehicle's center of gravity and aerodynamics. Take care when cornering, driving in crosswinds and at high speeds.

 Do not exceed the permissible gross weight. See **Vehicle Identification Plate** (page 190).






E131682

Load Carrying

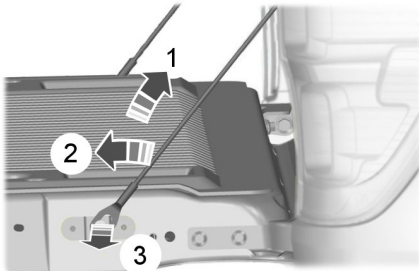
Note: *Secure luggage or cargo placed on the load rest with the load rest stoppers.*

TAILGATE

WARNINGS

-  Do not exceed the maximum permissible tailgate load of 485 lb (220 kg).
-  Do not lower the tailgate completely in the vehicles with a tow ball or a bumper.
-  Make sure that you keep a firm grip of the tailgate to prevent it from dropping down.

Lowering the Tailgate



E135868

1. Raise the tailgate slightly.
2. Pull the support cable rearwards.
3. Release the support cable from tailgate.
4. Repeat steps 1 to 3 to pull out the support cable on the other side.

Note: *Lower the tailgate for better ingress or egress of the loads.*

Towing

TOWING A TRAILER

WARNINGS



Do not exceed 62 mph (100 km/h).



Do not exceed the maximum permissible gross train weight stated. See **Recommended Towing Weights** (page 126).



Do not exceed the maximum permissible nose weight, e.g. vertical weight on the tow ball. See

Recommended Towing Weights (page 126).



Do not exceed the maximum permissible axle load stated on your vehicle identification plate. See

Vehicle Identification Plate (page 190).



The anti-lock braking system does not control the overrun brake on the trailer.

Note: *Vehicles equipped with electronic stability program (ESP) have trailer stability control included.*

When towing a trailer:

- Obey country specific regulations for towing a trailer.
- Do not exceed 62.1 mph (100 km/h) even if a country allows higher speeds under certain conditions.
- Place loads as low as possible and central to the axle of your trailer. For best stability of the trailer in an unladen vehicle, place the load in the trailer towards the nose within the maximum nose load as this gives the best stability. See **Recommended Towing Weights** (page 126).

- Reduce the stipulated maximum permitted gross train weight by 10% for every additional 3,280.84 ft (1,000 m) in high altitude regions above 3,280.84 ft (1,000 m).
- Use a low gear when descending a steep downhill gradient.

The stability of your vehicle to trailer combination is very much dependent on the quality of the trailer.

Trailer Tow Module

WARNINGS



Do not connect the trailer patch harness to the vehicle when the trailer is not connected.



Make sure that the indicator and brake lamps do not flicker with engine running while using a trailer with low power LED lamps.

Vehicles with factory fitted tow bar include a trailer plug control module for trailer lighting. Along with trailer plug functionality, it also protects the vehicle's primary electrical circuits and some trailer electrical failures.

You can purchase a trailer tow kit from an authorized dealer for the vehicles without factory fitted tow bar. This enables the tow bar installation.

The kit includes:

- Trailer plug
- Wiring and hardware components
- Trailer plug control module

Note: *Have the trailer tow electrical kit configured by an authorized dealer.*

Connect a trailer patch harness between the trailer and the vehicle to overcome flickering and correct operation of the rear parking aid.

Towing

Note: The trailer patch harness is available with the Ford authorized dealer.

TRAILER SWAY CONTROL

Note: The system automatically turns on every time you switch the ignition on.

Note: Switching off the stability control will turn off the system.

Note: This feature does not prevent trailer sway, but reduces it once it begins.

Note: This feature cannot stop all trailers from swaying.

Trailer sway control is an enhanced feature of stability control system and automatically detects when an attached trailer starts to sway. This feature applies your vehicle brakes at individual wheels and if necessary, reduces engine power. If the trailer begins to sway, slow your vehicle down, pull safely to the side of the road and check for correct load distribution. See **Towing a Trailer** (page 125).

Note: Shift to 4L will deactivate trailer sway control.

Note: Switching on the electronic locking differential will turn off the system.

Note: To switch off the trailer sway control as required, See **Stability Control** (page 107).

RECOMMENDED TOWING WEIGHTS

Towing Capacities - For Base Series

Variant	Drive	Transmission	Without Trailer Brake	With Trailer Brake	Max. Gross Train Weight
2.5L Petrol	4X2	Manual	1,653 lb (750 kg)	3,307 lb (1,500 kg)	9,755 lb (4,425 kg)
	4x2*	Manual	1,653 lb (750 kg)	3,307 lb (1,500 kg)	9,976 lb (4,525 kg)
	4x4	Manual	1,653 lb (750 kg)	2,425 lb (1,100 kg)	9,094 lb (4,125 kg)
2.2L Diesel 88kW	4X2	Manual	1,653 lb (750 kg)	3,307 lb (1,500 kg)	9,755 lb (4,425 kg)
	4x4	Manual	1,653 lb (750 kg)	3,307 lb (1,500 kg)	9,976 lb (4,525 kg)
2.2L Diesel 92kW	4x2* and 4x4	Manual	1,653 lb (750 kg)	3,307 lb (1,500 kg)	9,976 lb (4,525 kg)

Towing

Variant	Drive	Transmission	Without Trailer Brake	With Trailer Brake	Max. Gross Train Weight
2.2L Diesel 110kW	4x2	Manual	1,653 lb (750 kg)	3,307 lb (1,500 kg)	9,755 lb (4,425 kg)
	4x2* and 4x4	Manual	1,653 lb (750 kg)	3,307 lb (1,500 kg)	10,362 lb (4,700 kg)
3.2L Diesel	4x2* and 4x4	Manual	1,653 lb (750 kg)	3,307 lb (1,500 kg)	10,362 lb (4,700 kg)

Towing capacities- For all other series

Variant	Drive	Transmission	Without Trailer Brake	With Trailer Brake	Max. Gross Train Weight
2.5L Petrol	4X2	Manual	1,653 lb (750 kg)	4,850 lb (2,200 kg)	11,299 lb (5,125 kg)
	4x2*	Manual	1,653 lb (750 kg)	3,748 lb (1,700 kg)	10,803 lb (4,900 kg)
	4x4	Manual	1,653 lb (750 kg)	2,425 lb (1,100 kg)	9,480 lb (4,300 kg)
2.2L Diesel 88kW & 92kW	4X2	Manual	1,653 lb (750 kg)	4,850 lb (2,200 kg)	11,299 lb (5,125 kg)
	4x2* and 4x4	Manual	1,653 lb (750 kg)	3,527 lb (1,600 kg)	10,582 lb (4,800 kg)
2.2L Diesel 110kW	4x2	Manual	1,653 lb (750 kg)	5,512 lb (2,500 kg)	11,960 lb (5,425 kg)
	4x2* Drive ratio 3.31	Manual	1,653 lb (750 kg)	3,968 lb (1,800 kg)	11,023 lb (5,000 kg)
	4x2* and 4x4 Drive ratio 3.55	Manual	1,653 lb (750 kg)	7,385 lb (3,350 kg) ¹ 7,716 lb (3,500 kg) ²	13,118 lb (5,950 kg) ¹ 13,228 lb (6,000 kg) ²
	4x2* and 4x4	Auto	1,653 lb (750 kg)	7,385 lb (3,350 kg) ¹	13,118 lb (5,950 kg) ¹

Towing

Variant	Drive	Transmission	Without Trailer Brake	With Trailer Brake	Max. Gross Train Weight
				7,716 lb (3,500 kg) ²	13,228 lb (6,000 kg) ²
3.2L Diesel	4x2* and 4x4 Drive ratio 3.31	Manual	1,653 lb (750 kg)	3,968 lb (1,800 kg)	11,023 lb (5,000 kg)
	4x2* and 4x4 Drive ratio 3.55	Manual	1,653 lb (750 kg)	7,385 lb (3,350 kg) ¹	13,118 lb (5,950 kg) ¹
				7,716 lb (3,500 kg) ²	13,228 lb (6,000 kg) ²
4x2* and 4x4	Auto	1,653 lb (750 kg)	7,385 lb (3,350 kg) ¹ 7,716 lb (3,500 kg) ²	13,118 lb (5,950 kg) ¹ 13,228 lb (6,000 kg) ²	

*Vehicles with increased ride height

¹ European vehicles built before 11th March 2013 and all non-European vehicles.

² European vehicles built on or after 11th March 2013.

Note: See an authorized dealer to confirm your vehicle build date.

Trailer Nose Weight

WARNING



Do not exceed the maximum permissible nose weight, e.g. vertical weight on the tow ball. This is important for vehicle and trailer stability.

Drive	Minimum Nose Weight	Maximum Nose Weight
4x2	6% of the towed weight	364 lb (165 kg)
4x2* and 4x4		496 lb (225 kg)

*Vehicles with increased ride height

Towing

TOW BALL

WARNINGS



Never leave the detached tow ball arm unsecured inside the vehicle. This would increase the risk of injury in an accident.



When not in use, always transport the tow ball arm securely fastened in the luggage compartment.



Take special care when fitting the tow ball arm as the safety of the vehicle and the trailer depends on this.



Do not modify the trailer coupling.

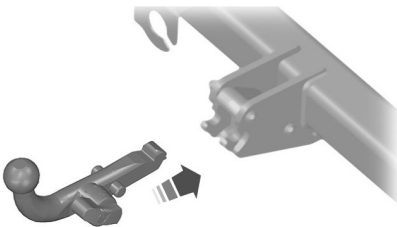


Do not disassemble or repair the tow ball arm.

A trailer socket and the tow ball arm seat are provided underneath the rear bumper. Turn the trailer socket down through 90 degrees until it engages in the correct position.

4x2

Inserting the tow ball arm



E137325

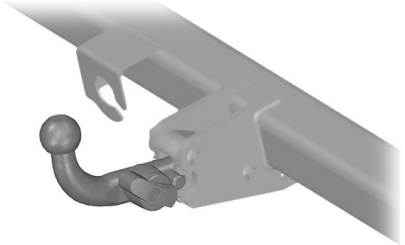
1. Insert the tow ball arm in to the seat.

WARNING



Make sure that the tow ball arm is fully engaged in the seat.

Driving with a trailer



E138394

WARNING



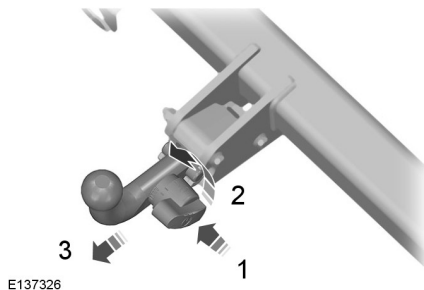
If any of the following conditions cannot be met, do not use the tow bar and have it inspected by properly trained technicians.

Before starting your journey, make sure that:

- The tow ball is correctly locked.
- The tow ball arm is fully engaged in its seat.

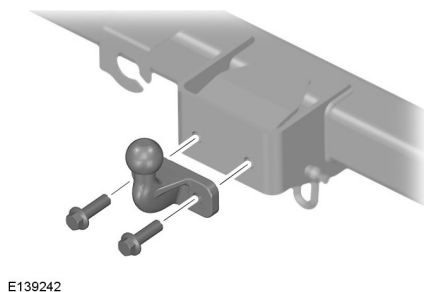
Towing

Removing the tow ball arm



1. Push the lever towards the center of the vehicle.
2. Turn the lever counterclockwise to unlock the tow ball arm.
3. Remove the tow ball arm.

4x2 (vehicles with increased ride height) and 4x4





Tighten the bolts to 218 ± 42 Nm.

Driving without a trailer

1. Remove the tow ball arm.
2. Install the plug into its seat.

WARNINGS

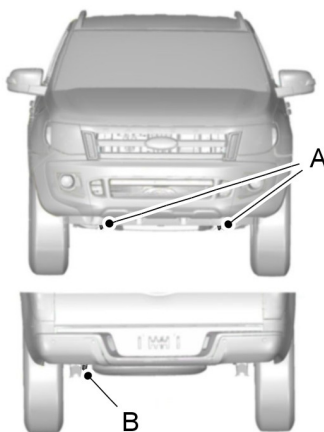
-  To avoid risk of injury, never unlock the tow ball arm with the trailer attached.
-  Remove the tow ball when driving without a trailer.

Maintenance

Keep the system clean.

Periodically lubricate the tow ball mechanism with resin-free grease or oil and the lock with graphite.

TOWING POINTS



- A Front towing eye
- B Rear towing eye

Note: The second front towing point is optional.







Note: The rear towing point is optional.

Towing

TOWING THE VEHICLE ON FOUR WHEELS

All Vehicles


WARNINGS

-  Switch the ignition on when towing the vehicle.
-  The brake and steering assistance will not operate unless the engine is running. Press the brake pedal harder and allow for increased stopping distances and heavier steering.
-  Too much tension in the tow rope could cause damage to your vehicle or the vehicle that is towing.
-  Do not use a rigid tow bar on the front towing eye.
-  **2WD:** When towing your vehicle you must select neutral.
-  **4WD:** Do not tow the vehicle with all wheels on the ground while in 4WD mode. Tow your vehicle with all wheels off the ground or all wheels on the ground while the vehicle is in 2WD mode in an event of a breakdown or mechanical failure of the transmission.





Drive off slowly and smoothly without jerking the vehicle you are towing.

Vehicles With Automatic Transmission

WARNINGS

-  If a speed of 12 mph (20 km/h) and a distance of 12.4 mi (20 km) is to be exceeded the drive wheels must be lifted clear of the ground.

WARNINGS

-  It is recommended not to tow with the drive wheels on the ground. However, if it is required to move your vehicle from a dangerous location, do not tow your vehicle faster than 12 mph (20 km/h) or further than 12.4 mi (20 km).
-  Do not tow your vehicle backward.
-  In the event of a mechanical failure of the transmission the drive wheels must be lifted clear of the ground.
-  Do not tow your vehicle if the ambient temperature is below 32°F (0°C).

Driving Hints

BREAKING-IN

Tires

WARNING



New tires need to be run-in for approximately 300 miles (500 kilometers). During this time, you may experience different driving characteristics.

Brakes and Clutch

WARNING



Avoid heavy use of the brakes and clutch if possible for the first 100 miles (150 kilometers) in town and for the first 1000 miles (1500 kilometers) on freeways.

Engine

WARNING



Avoid driving too fast during the first 1000 miles (1500 kilometers). Vary your speed frequently and change up through the gears early. Do not labor the engine.

GENERAL DRIVING POINTS

Vehicles with a diesel engine

If the low fuel level warning lamp comes on, refuel as soon as possible. If you continue driving without refueling, the engine will start to run unevenly. This indicates that you are about to run out of fuel. Refuel immediately.

COLD WEATHER PRECAUTIONS

The functional operation of some components and systems can be affected at temperatures below -13°F (-25°C).

REDUCED ENGINE PERFORMANCE

WARNING



Continued operation of the overheating engine will increase the temperature further, and cause the engine to shut down completely.

Drive the overheating engine only for a brief amount of time without damage to the engine. The engine will continue to operate with limited power. The distance you can travel depends on ambient temperature, vehicle load, and terrain.

If the needle in the engine coolant temperature gauge moves to the upper limit position, the engine is overheating. See **Gauges** (page 53).

If the engine temperature continues to rise, the fuel supply to the engine will reduce. The air conditioning will also turn off and the engine cooling fan will operate.

When this happens:

immediately

- Stop your vehicle as soon as possible.
- Immediately turn off the engine to prevent severe engine damage.
- Wait for the engine to cool down.
- Check the coolant level. See **Engine Coolant Check** (page 159).
- Have the vehicle checked by an authorized dealer.

Driving Hints

DRIVING THROUGH WATER

WARNINGS



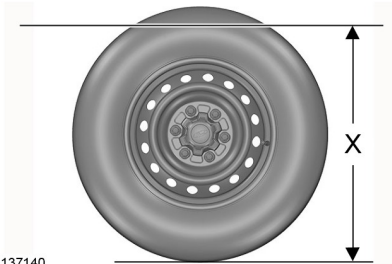
Drive through water in an emergency only and not as part of normal driving.



Engine damage can occur if water enters the air filter.

In an emergency, you can drive your vehicle through water to a maximum depth as shown and at a maximum speed of 4.3 mph (7 km/h). You must take extra care when driving through flowing water. 23.6220 in (600 mm)

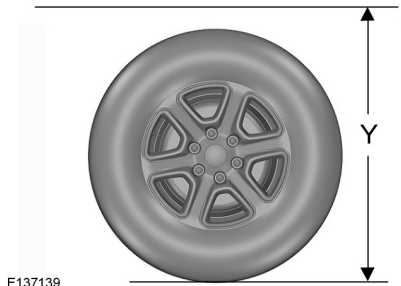
4x2



E137140

X 600mm (23.6 inches)

4x2 (Vehicles with Increased Ride Height) and 4x4



E137139

Y 800mm (31.5 inches)

When driving in water, maintain a low speed and do not stop your vehicle. After driving through water and as soon as it is safe to do so:

- Depress the brake pedal lightly to check that the brakes are functioning correctly.
- Check that the horn works.
- Check that your vehicle's lamps are fully operational.
- Check the power assistance of the steering system.

FLOOR MATS



E142666

Driving Hints

WARNINGS



Always use floor mats that are designed to fit the foot well of your vehicle, leaving the pedal area unobstructed, and which can be firmly secured to retention posts so that they cannot slip out of position and interfere with the pedals or impair safe operation of your vehicle in other ways.



Incorrectly fitted floor mats can cause the accelerator pedal to become stuck in the open position. This can cause loss of vehicle control.



Always correctly install the floor mats to the retention posts so that they cannot slip out of position or obstruct pedal operation.



Do not place unsecured floor mats or any other covering in the foot well.



Do not place additional floor mats or any other covering on top of the original floor mats. This will reduce the pedal clearance and interfere with the pedal operation.



Do not allow objects to fall or become trapped under the pedals of your vehicle. This can cause loss of vehicle control.



Carry out regular inspections to make sure the floor mats are secure.

To install the floor mats, position the floor mat eyelet over the retention post and press down to lock in position.

Remove in reverse order.

Roadside Emergencies

HAZARD WARNING FLASHERS



The hazard warning button is located on the instrument panel. Use it when your vehicle is creating a safety hazard for other motorists.

Press the button to turn on the hazard warning function, and the front and rear direction indicators will flash.

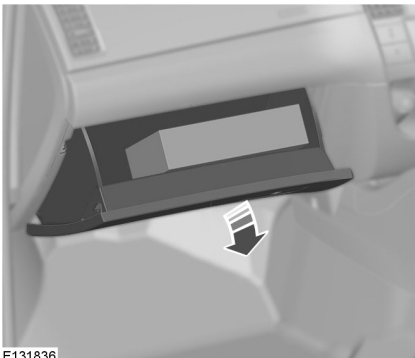
Press the button again to turn them off.

Note: *If used when the engine is not running, the battery will lose charge. There may be insufficient power to restart your engine.*

Note: *Depending on applicable laws and regulations in the country for which your vehicle was originally built, the hazard warning flashers may flash if you brake heavily.*

FIRST AID KIT

Note: *First aid kit is secured in the passenger side storage compartment.*

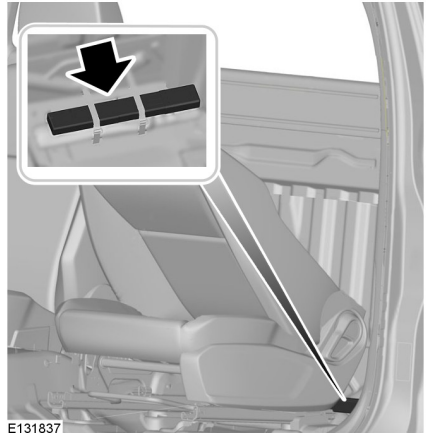


E131836

WARNING TRIANGLE

Single cab

A retaining strap behind the passenger seat can be used to secure a warning triangle.



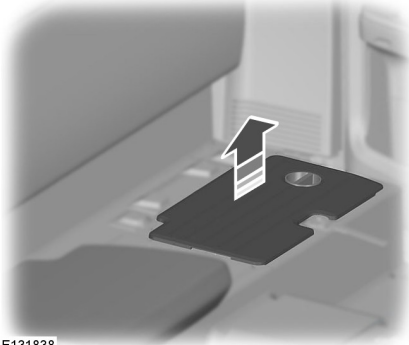
E131837

- 1 Fold the seatback forward.

Stretch cab

Note: *The warning triangle can be secured in the tool bin below the rear seats.*

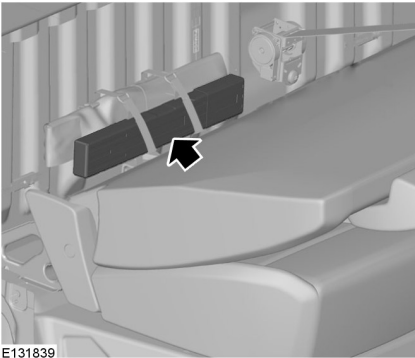
Roadside Emergencies



E131838

- 1 Remove the rear seat cushion.
- 2 Remove the cover.

Double cab



E131839

- 1 Fold the rear seatback forward.

JUMP STARTING THE VEHICLE

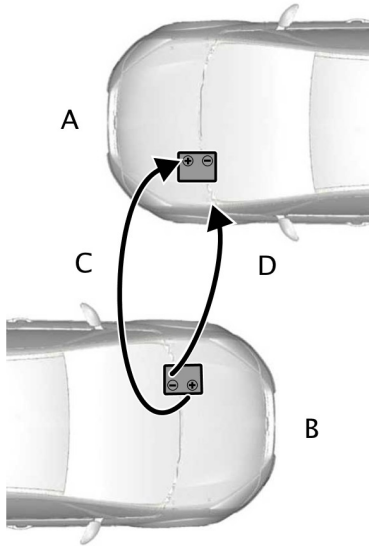
WARNINGS

- ⚠ Do not use fuel lines, engine rocker covers or the intake manifold as grounding points.
- ⚠ Connect batteries with only the same nominal voltage.
- ⚠ Always use booster cables with insulated clamps and adequate size cable.
- ⚠ Never jump start the vehicle at the auxiliary battery.

Note: Do not disconnect the battery from your vehicle's electrical system.

Roadside Emergencies

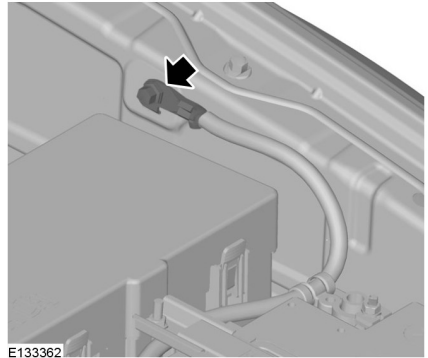
To Connect the Booster Cables



E102925

- A Flat battery vehicle
- B Booster battery vehicle
- C Positive connection cable
- D Negative connection cable

1. Position the vehicles so that they do not touch one another.
2. Switch off the engine and any electrical equipment.
3. Connect the positive (+) terminal of vehicle B with the positive (+) terminal of vehicle A (cable C).



E133362

4. Connect the negative (-) terminal of vehicle B to the ground connection of vehicle A (cable D).

WARNINGS



Do not connect directly to the negative (-) terminal of the flat battery.



Make sure that the cables are clear of any moving parts and fuel delivery system parts.

To Start the Engine

1. Run the engine of vehicle B at a moderately high speed.
2. Start the engine of vehicle A.
3. Run both vehicles for a minimum of three minutes before disconnecting the cables.

WARNING



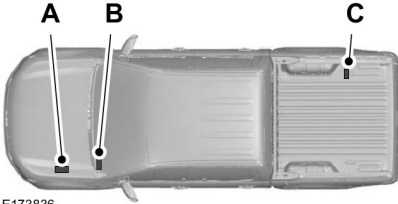
Do not switch the headlamps on when disconnecting the cables. The peak voltage could blow the bulbs.

Disconnect the cables in the reverse order.

Fuses

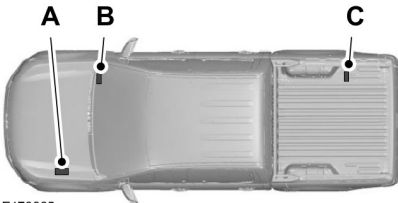
FUSE BOX LOCATIONS

Left-Hand Drive



E173836

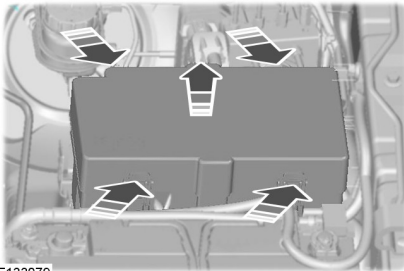
Right-Hand Drive



E173835

- A Engine compartment fuse box
- B Passenger compartment fuse box
- C Auxiliary fuse box

Engine Compartment Fuse Box

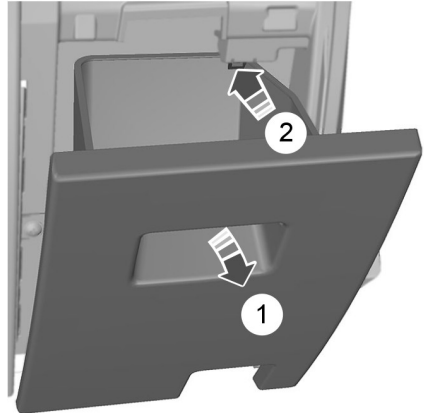


E133079

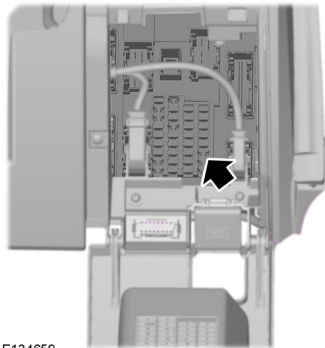
Release the catches and remove the cover.

Passenger Compartment Fuse Box

Fully open the driver's side storage compartment.



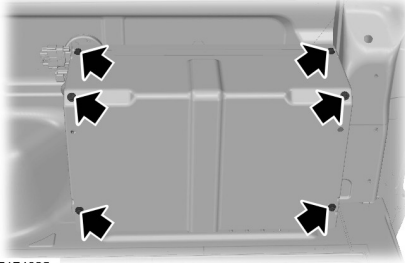
E133080



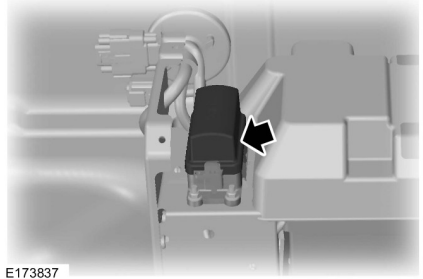
E134659

Fuses

Auxiliary Fuse Box



E174325



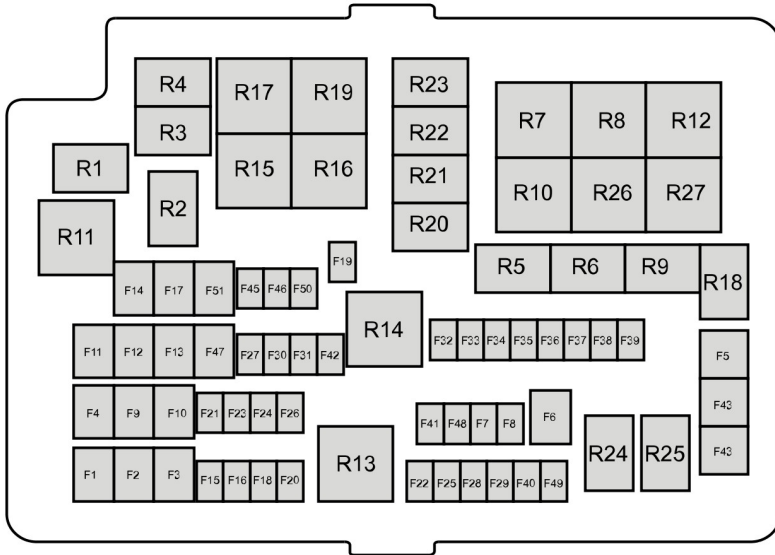
E173837

Release the catches and remove the cover.

Fuses

FUSE SPECIFICATION CHART

Engine Compartment Fuse Box



E133601

Fuse	Fuse Amp Rating	Protected Components
1	60	Passenger compartment fuse box supply (Battery)
2	60	Passenger compartment fuse box supply (Battery)
3 (Petrol)	50	Engine cooling fan
3 (Diesel)	60	Glow plug control module
4	40	Anti-lock brake system module
5	30	Power windows (front and rear)

Fuses

Fuse	Fuse Amp Rating	Protected Components
6	25	Four wheel drive (4WD) motor ground
7	-	Not used
8	-	Not used
9	20	Power seats
10	25	Power windows (front)
11	30	Blower motor
12	25	Four wheel drive (4WD) motor power
13	20	Starter solenoid
14	20	Heated rear window
15 (Petrol)	10	Flex-fuel pump
15 (Diesel)	20	Vaporizer glow plug
16	10	Air conditioning clutch
17	25	Power windows (front)
18	25	Windscreen wiper motor
19	25	Windscreen wiper motor ground
20	20	Cigar lighter
21	15	Horn
22	15	Fuel injectors, flex-fuel valve
23	10	Differential lock solenoid
24	20	Auxiliary power socket instrument panel, console top
25	15	Ignition coils, temperature and mass air flow sensor, glow plug module, vacuum control valve (VCV), electronic vacuum regulator valve (EVRV)
26	7.5	Electronic control module (ECM)
27	10	Transmission control module (TCM)
28	10	Heated exhaust gas oxygen, universal heated exhaust gas oxygen-sensor, relay coils

Fuses

Fuse	Fuse Amp Rating	Protected Components
29	15	Electronic control module (ECM)
30	15	Battery monitoring sensor
31	20	Auxiliary power socket (rear console)
32	5	Air conditioning pressure switch
33	10	Transmission control module (TCM)
34	5	Positive temperature coefficient (PTC) heater
35	20	Passenger compartment fuse box supply (Ignition)
36	5	Anti-lock brake system module
37	10	Headlamp leveling
38	20	Heated seat
39	10	Power mirrors
40	-	Not used
41	10	Heated mirrors
42	10	Alarm horn
43	30	Heated windscreen (right)
44	30	Heated windscreen (left)
45	25	Anti-lock brake system module
46	20	Auxiliary power socket (floor console)
47	20	Trailer tow module
48	-	Not used
49	-	Not used
50	5	Ignition relay, relay coils
51	30	Power windows (rear)

Fuses

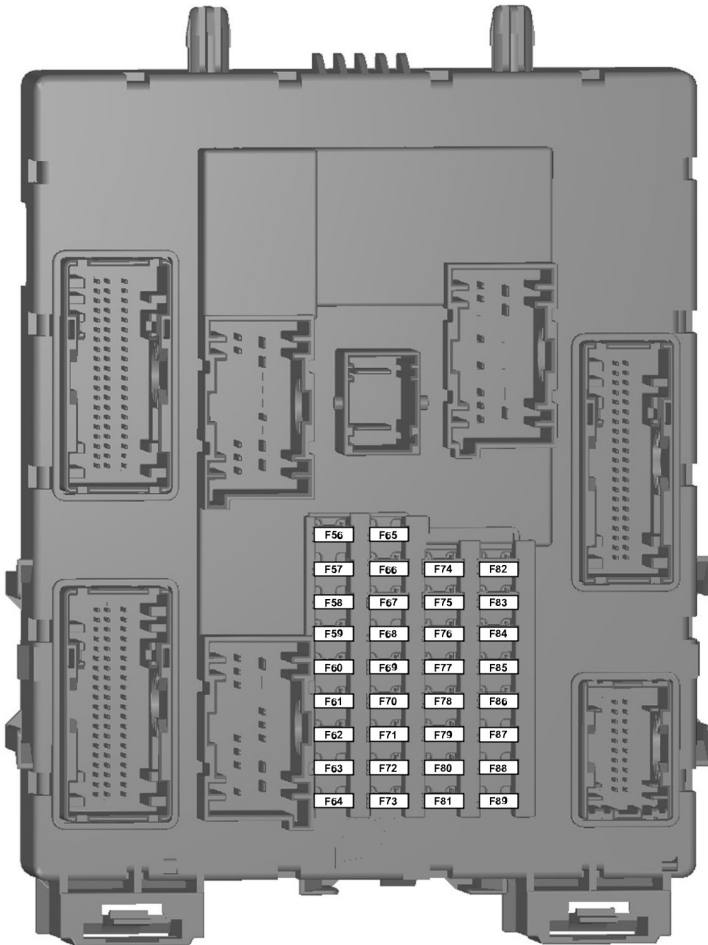
Relay Number	Protected Components
R1	Key interlock
R2	Wiper on or off
R3	Horn
R4	Air conditioning clutch
R5	Differential lock
R6	Wiper Hi or Lo
R7	Engine cooling fan low
R8	Engine cooling fan high
R9	Flex-fuel pump, vaporizer glow plug
R10	Heated rear window
R11	Heated windscreen
R12	Not used
R13	Electronic control module (ECM) power hold
R14	Ignition
R15	4WD motor 2 (clockwise)
R16	4WD motor 1 (counter clockwise)
R17	4WD motor
R18	Security horn
R19	Starter
R20	Not used
R21	Not used
R22	Not used
R23	Not used
R24	Not used

Fuses

Relay Number	Protected Components
R25	Not used
R26	Blower motor
R27	Power seat

Fuses

Passenger Compartment Fuse Box



E133602

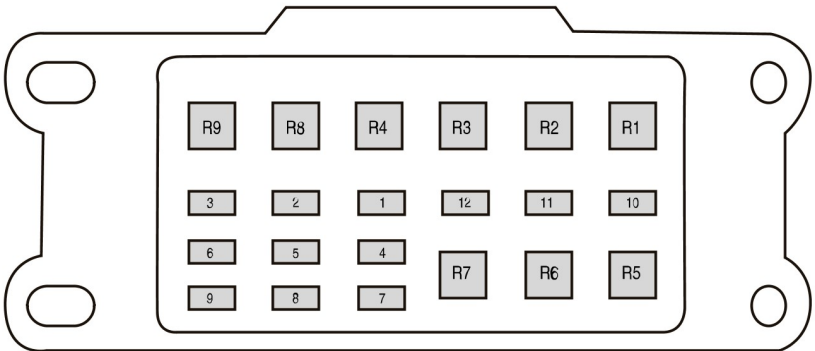
Fuses

Fuse	Fuse Amp Rating	Protected Components
56	20	Fuel pump
57	-	Not used
58	-	Not used
59	5	Passive anti-theft system (PAT)
60	10	Interior lamp, driver's door switch pack, mood lights, puddle lights, automatic shifter, footwell lamp
61	-	Not used
62	5	Rain sensor module
63	-	Not used
64	-	Not used
65	-	Not used
66	20	Driver's door unlock, central double locking
67	5	Stop lamp switch
68	-	Not used
69	5	Instrument cluster, integrated control module (ICP), tracking and blocking module
70	20	Central locking
71	5	Air conditioning
72	7.5	Alarm horn
73	5	On-board diagnostics II
74	20	Main beam
75	15	Front fog lamps
76	10	Reversing lamp, rear view mirror
77	20	Washer pump
78	5	Ignition switch
79	15	Audio signal DIN, FSAO audio, multi-function display

Fuses

Fuse	Fuse Amp Rating	Protected Components
80	20	Multi-function display, Hi audio, brake valve closing (BVC) module
81	5	Interior motion sensor
82	20	Washer pump ground
83	20	Central locking ground
84	20	Driver's door unlock, central double locking ground
85	7.5	Instrument cluster, parking aid module, rear view camera, manual air conditioning, rear view mirror, tracking and blocking module
86	10	Restraint system, passenger air-bag deactivation indicator
87	5	Tachograph
88	-	Not used
89	-	Not used

Auxiliary Fuse Box



E174549

Fuses

Fuse	Fuse Amp Rating	Protected Components
1	25	Driving Light
2	15	Position lamp
3	10	LED beacon
4	15	Work lights
5	20	Spare
6	20	Power point
7	15	Reversing lamp
8	15	Direction indicators, stop lamp
9	5	Crew chief
10	5	Disable fuse (isolator ground)
11	-	Not used
12	-	Not used

Relay Number	Protected Components
R1	Work lights
R2	LED beacon
R3	Spare
R4	Position lamp
R5	Direction indicator (left)
R6	Direction indicator (right)
R7	Stop lamp
R8	Not used
R9	Not used

Fuses

CHANGING A FUSE

WARNINGS



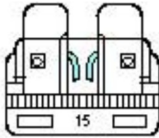
Do not modify the electrical system of your vehicle in any way. Have repairs to the electrical system and the replacement of relays and high current fuses carried out by an authorized dealer.



Switch the ignition and all electrical equipment off before attempting to change a fuse.



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.



E142430

If electrical components in your vehicle are not working, a fuse may have blown. A break in the fuse wire will indicate a blown fuse. Check the appropriate fuses before replacing any electrical components.

Maintenance

GENERAL INFORMATION

Have your vehicle serviced regularly to help maintain its roadworthiness and resale value. There is a large network of Ford authorized repairers that are there to help you with their professional servicing expertise. Authorized repairers are best qualified to service your vehicle properly and expertly, with a wide range of highly specialized tools.

In addition to regular servicing, we recommend that you carry out the following checks.

WARNINGS



Switch the ignition off before touching or attempting adjustment of any kind.



Do not touch the electronic ignition system parts after you have switched the ignition on or when the engine is running. The system operates at high voltage.



Keep your hands and clothing clear of the engine cooling fan. Under certain conditions, the fan may continue to run for several minutes after you have switched the engine off.



Make sure that you fit filler caps securely after carrying out maintenance checks.

Daily Checks

- Exterior lamps.
- Interior lamps.
- Warning lamps and indicators.

Check When Refueling

- Engine oil level. See **Engine Oil Check** (page 158).
- Brake fluid level. See **Brake and Clutch Fluid Check** (page 160).

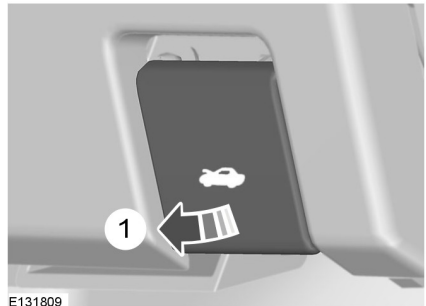
- Washer fluid level. See **Washer Fluid Check** (page 161).
- Tire pressures (when cold). See **Technical Specifications** (page 180).
- Tire condition. See **Wheels and Tires** (page 174).

Monthly Checks

- Engine coolant level (engine cold). See **Engine Coolant Check** (page 159).
- Pipes, hoses and reservoirs for leaks.
- Air conditioning operation.
- Parking brake operation.
- Horn operation.
- Tightness of lug nuts. See **Technical Specifications** (page 180).

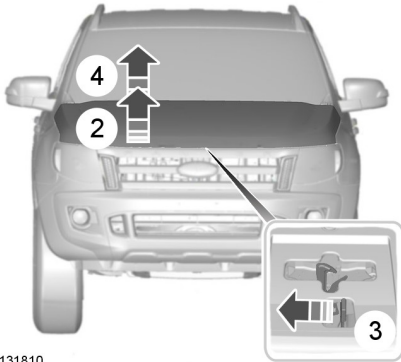
OPENING AND CLOSING THE HOOD

Opening the hood

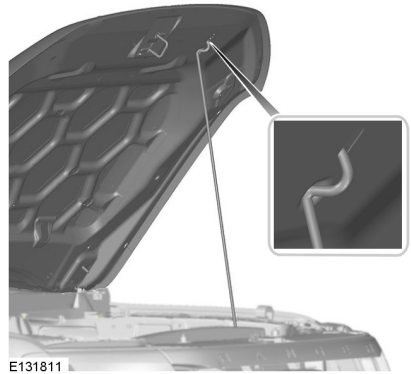


1. Pull the lever under the instrument panel. For item location: See **Instrument Panel Overview** (page 15).

Maintenance



2. Raise the hood slightly.
3. Move the catch towards the left-hand side of the vehicle.
4. Open the hood.



5. Support it with the strut.

Closing the hood

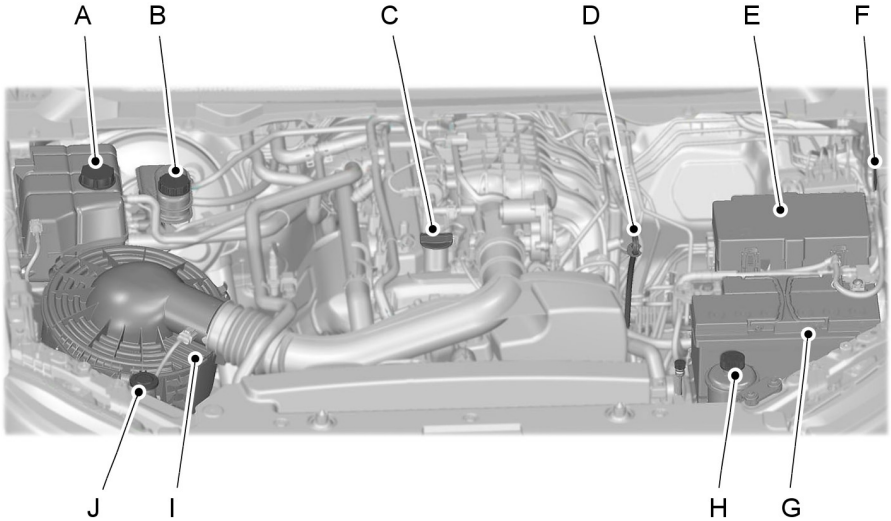
Note: Make sure that the hood is closed properly.

Lower the hood and allow it to drop from under its own weight for the last 20 – 30 centimeters (8 - 11 inches).

Maintenance

UNDER HOOD OVERVIEW - 2.5L DURATEC-HE (122KW/165PS) - MI4

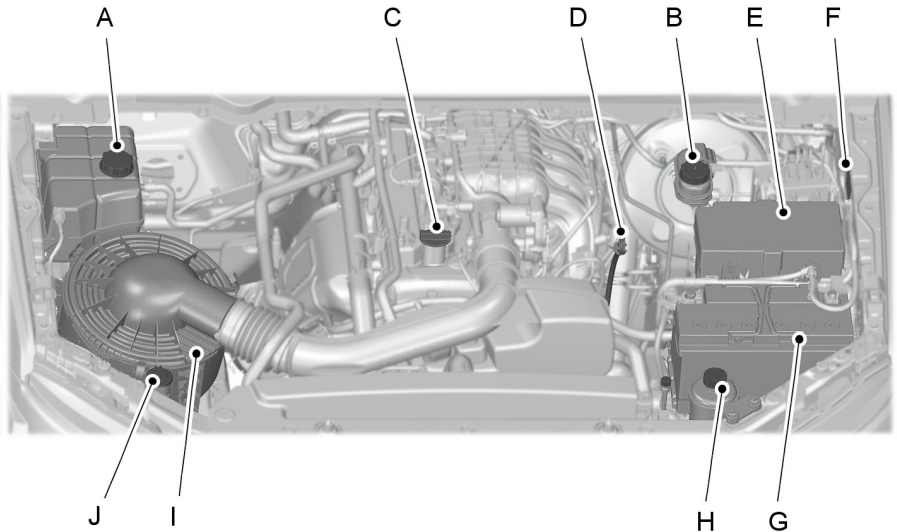
RHD



E131919

Maintenance

LHD



E131920

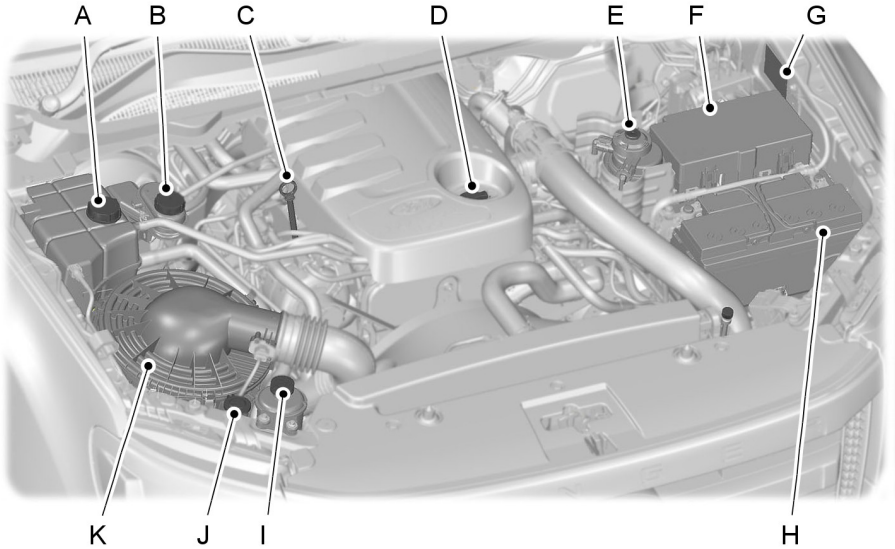
- A Engine coolant reservoir cap. See **Engine Coolant Check** (page 159).
- B Brake and clutch fluid reservoir cap. See **Brake and Clutch Fluid Check** (page 160).
- C Engine oil filler cap¹. See **Engine Oil Check** (page 158).
- D Engine oil dipstick¹. See **Engine Oil Check** (page 158).
- E Engine junction box. See **Fuses** (page 138).
- F Vehicle Identification Plate. See **Capacities and Specifications** (page 182).
- G Battery. See **Roadside Emergencies** (page 135).
- H Power steering fluid reservoir cap. See **Power Steering Fluid Check** (page 159).
- I Air Cleaner.
- J Washer fluid reservoir cap. See **Washer Fluid Check** (page 161).

¹ The filler caps and the engine oil dipstick are colored for easy identification.

Maintenance

UNDER HOOD OVERVIEW - 2.2L DURATORQ-TDCI (PUMA) DIESEL

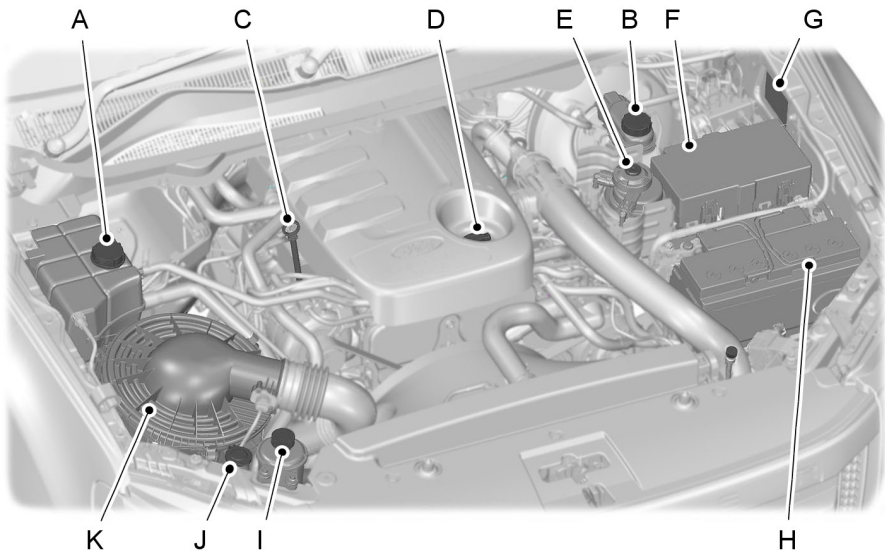
RHD



E131930

Maintenance

LHD



E131931

- A Engine coolant reservoir cap. See **Engine Coolant Check** (page 159).
- B Brake and clutch fluid reservoir cap. See **Brake and Clutch Fluid Check** (page 160).
- C Engine oil dipstick¹. See **Engine Oil Dipstick** (page 158).
- D Engine oil filler cap¹. See **Engine Oil Check** (page 158).
- E Fuel filter water trap. See **Draining the Fuel Filter Water Trap** (page 160).
- F Engine junction box. See **Fuses** (page 138).
- G Vehicle Identification Plate. See **Capacities and Specifications** (page 182).
- H Battery. See **Roadside Emergencies** (page 135).
- I Power steering fluid reservoir cap. See **Power Steering Fluid Check** (page 159).

Maintenance

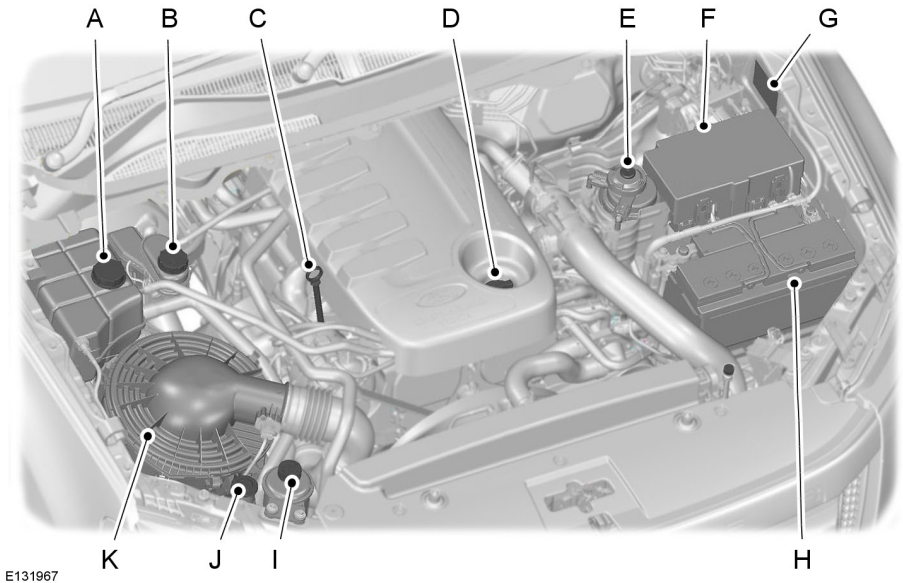
J Washer fluid reservoir cap. See **Washer Fluid Check** (page 161).

K Air Cleaner.

¹ The filler caps and the engine oil dipstick are colored for easy identification.

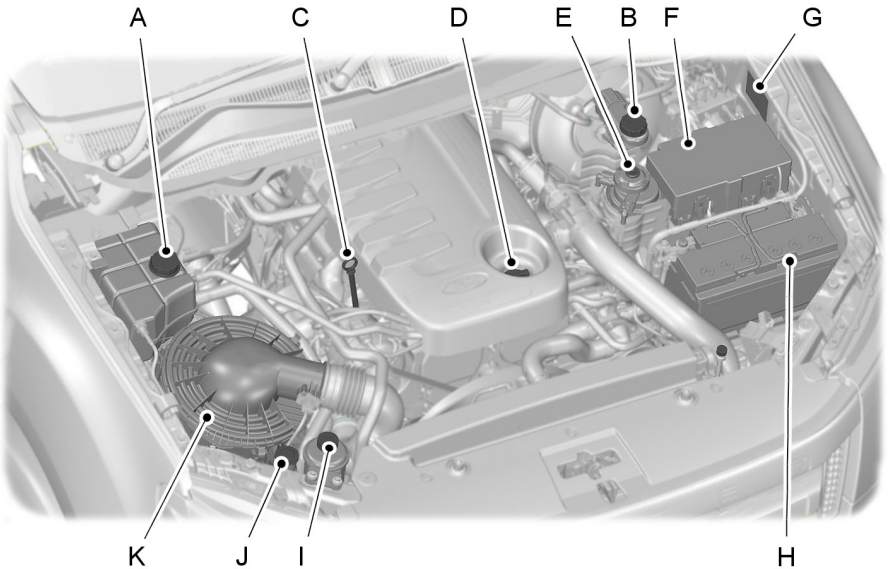
UNDER HOOD OVERVIEW - 3.2L DURATORQ-TDCI (PUMA) DIESEL

RHD



Maintenance

LHD



E131968

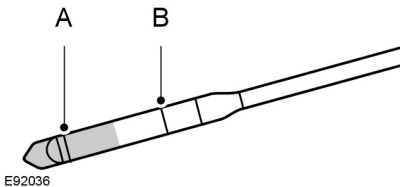
- A Engine coolant reservoir cap. See **Engine Coolant Check** (page 159).
- B Brake and clutch fluid reservoir cap. See **Brake and Clutch Fluid Check** (page 160).
- C Engine oil dipstick¹. See **Engine Oil Dipstick** (page 158).
- D Engine oil filler cap¹. See **Engine Oil Check** (page 158).
- E Fuel filter water trap. See **Draining the Fuel Filter Water Trap** (page 160).
- F Engine junction box. See **Fuses** (page 138).
- G Vehicle Identification Plate. See **Capacities and Specifications** (page 182).
- H Battery. See **Roadside Emergencies** (page 135).
- I Power steering fluid reservoir cap. See **Power Steering Fluid Check** (page 159).

Maintenance

- J Washer fluid reservoir cap. See **Washer Fluid Check** (page 161).
- K Air Cleaner.

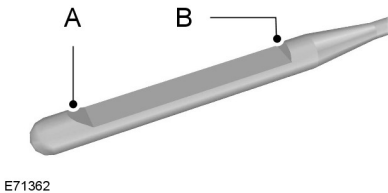
¹ The filler caps and the engine oil dipstick are colored for easy identification.

ENGINE OIL DIPSTICK - 2.5L DURATEC-HE (122KW/165PS) - MI4



- A MIN
- B MAX

ENGINE OIL DIPSTICK - 2.2L DURATORQ-TDCI (PUMA) DIESEL/3.2L DURATORQ-TDCI (PUMA) DIESEL



- A MIN
- B MAX

ENGINE OIL CHECK

1. Make sure that your vehicle is on level ground.
2. Switch off the engine 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. Replace the dipstick and remove it again to check the oil level.

If the oil level is at the minimum mark, add oil immediately. See **Technical Specifications** (page 169).

Note: Check the oil level before starting the engine.


Note: Make sure that the oil level is between the minimum and the maximum marks.


Note: Do not use oil additives or other engine treatments. Under certain conditions, they may damage the engine.

Note: The oil consumption of new engines reaches its normal level after approximately 3000 miles (5000 kilometers).

Adding Oil

WARNINGS

 Only add oil when the engine is cold. If the engine is hot, wait 10 minutes for the engine to cool down. Failure to take care may result in personal injury.

 Do not remove the filler cap when the engine is running. Failure to take care may result in personal injury.

Maintenance

1. Remove the filler cap.
2. Add oil that meets Ford specifications. See **Technical Specifications** (page 169).
3. Replace the filler cap. Turn it until you feel a strong resistance.

Note: Do not add oil further than the maximum mark. Oil levels above the maximum mark may cause engine damage.

Note: Soak up any spillage with an absorbent cloth immediately.

ENGINE COOLANT CHECK

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.

Note: Make sure that the level is between the **MIN** and the **MAX** marks.

Note: Coolant expands when it is hot. The level may therefore extend beyond the **MAX** mark.

If the level is at the **MIN** mark, add coolant immediately.

Adding Engine Coolant

WARNINGS



Only add coolant when the engine is cold. If the engine is hot, wait 10 minutes for the engine to cool down.



Do not remove the filler cap when the engine is running.



Do not remove the filler cap when the engine is hot. Wait for the engine to cool down.



Undiluted coolant is flammable and may ignite if spilled on a hot exhaust.

Note: In an emergency, you can add just water to the cooling system to reach a vehicle service station. Have the system checked by an authorized dealer as soon as possible.

Note: Prolonged use of incorrect dilution of the coolant can cause engine damage from corrosion, overheating or freezing.

Note: Do not add coolant further than the **MAX** mark.

1. Remove the filler cap. Any pressure will escape slowly as you unscrew the cap.
2. Add a 50/50 mixture of coolant and water using fluid that meets the Ford specifications. See **Technical Specifications** (page 169).
3. Replace the filler cap. Turn it until you feel a strong resistance.

POWER STEERING FLUID CHECK

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.

Note: Make sure that the fluid level is between the **MIN** and the **MAX** marks.

If the level is at the **MIN** mark, top up immediately. See **Technical Specifications** (page 169).

Adding Power Steering Fluid

Note: Do not add fluid further than the **MAX** mark.

1. Remove the filler cap.
2. Add fluid that meets Ford specifications. See **Technical Specifications** (page 169).
3. Replace the filler cap.

Maintenance

BRAKE AND CLUTCH FLUID CHECK

WARNINGS



Use of any fluid other than the recommended brake fluid may reduce brake efficiency and not meet Ford's performance standards.



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 doctor.



Clean the filler cap before removing. Use only fluid that meets Ford specifications and from a sealed container.

Note: *Keep brake fluid clean and dry. Contamination with dirt, water, petroleum products or other materials may result in brake system damage and possible failure.*

Note: *The brake and the clutch systems are supplied from the same reservoir.*

The fluid level will drop slowly as the brakes wear, and will rise when the brake components are replaced.

Fluid levels between the MIN and MAX lines are within the normal operating range; there is no need to add fluid.

If the fluid levels are outside of the normal operating range, the performance of the system could be compromised; seek service from you authorized dealer immediately.

Top up with fluid that meets the Ford specification. See **Technical Specifications** (page 169).

DRAINING THE FUEL FILTER WATER TRAP

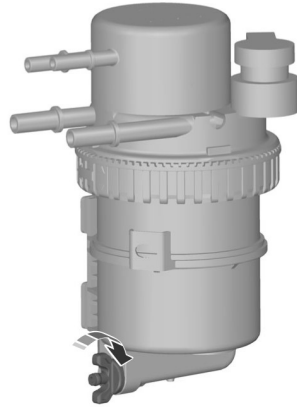
WARNING



Do not dispose of diesel in household refuse or the public sewage system. Use your local authorized waste disposal facilities.

Note: *Only add fuel that meets the Ford specification. See **Fuel Quality** (page 87).*

Note: *The in-tank pump will turn off automatically after approximately 40 seconds.*



E131831

For item location: See **Under Hood Overview** (page 154). See **Under Hood Overview** (page 156).

1. Switch the ignition off.
2. Connect and secure a suitable hose on the filter drain plug.
3. Route the other end of the hose to the suitable container.
4. Loosen the drain plug by approximately 1.5 turns.

Maintenance

5. Switch the ignition on to activate the in-tank pump.
6. Allow the water to drain.
7. Switch the ignition off.
8. Tighten the drain plug and remove the hose.
9. Start the engine and check for leaks.

Note: *The water-in-fuel indicator lamp will go out after approximately 2 seconds, with the engine running.*

WASHER FLUID CHECK

Note: *The reservoir supplies the front and rear washer systems.*

When adding fluid, use a mixture of washer fluid and water to help prevent freezing in cold weather and improve the cleaning capability. We recommend that you use only high quality washer fluid.

For information on fluid dilution, refer to the product instructions.

CHANGING THE 12V BATTERY

WARNING



You must replace the battery with one of exactly the same specification.

Main Battery

Note: *Where applicable you must reprogram the audio system using the keycode. See **Security code** (page 213).*

The battery is located in the engine compartment. See **Maintenance** (page 150).

Auxiliary Battery

WARNING



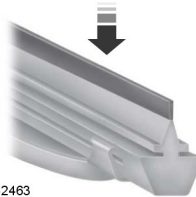
Never jump start the vehicle at the auxiliary battery.

The auxiliary battery is located in the loadspace. See **Rear Exterior Overview** (page 13).

The auxiliary battery powers the auxiliary loads connected to the vehicle regardless of the engine status. The vehicle charging system charges it when the engine is running. When the engine is not running, it is isolated from the vehicle power supply to prevent drain from the main battery.

Note: *Auxiliary battery does not provide cranking power to the engine.*

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

Set the windscreen wipers in the service position to change the wiper blades.

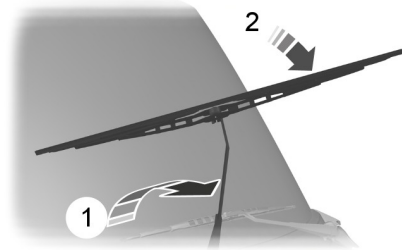
To set the wiper in service position:

Maintenance

1. Turn the ignition key to position 0 from position II.
2. Pull the washer lever towards the steering wheel within three seconds.

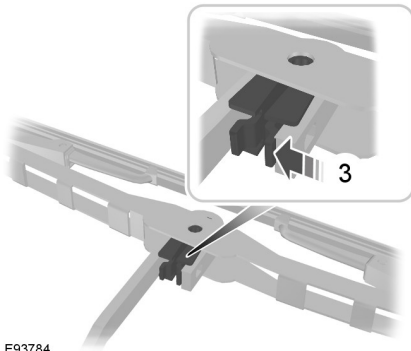
You can use the service position in winter to provide easier access to the wiper blades for freeing them from snow and ice. The windscreen wipers will return to their normal position as soon as you switch the ignition on, so make sure that the outside of the windscreen is free from snow and ice before you switch the ignition on.

To change the wiper blade:



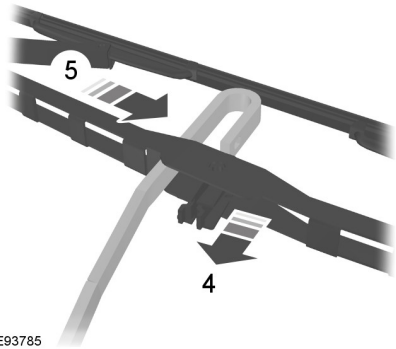
E93783

1. Pull the wiper blade and arm away from the glass.
2. Turn the wiper blade.



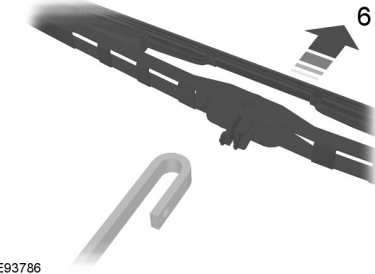
E93784

3. Release the lock.



E93785

4. Rotate the wiper blade.
5. Move in the direction shown.



E93786

6. Remove the wiper blade.
7. Install in the reverse order.

Note: Make sure that the wiper blade locks into place. Lower the wiper arm and blade back to the windshield. The wiper arms will automatically return to their normal position when the ignition is turned on.

CHANGING A BULB

WARNINGS



Switch the lamps and the ignition off. Failure to follow this warning could result in serious personal injury.

Maintenance

WARNINGS



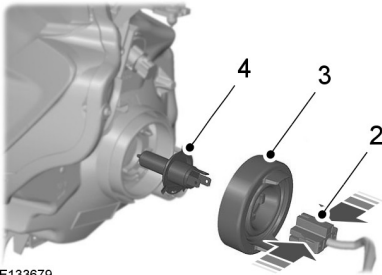
Make sure the bulbs have cooled down before removing them. Failure to follow this warning could result in serious personal injury.

Note: Only fit bulbs of the correct specification. See **Bulb Specification Chart** (page 168).

Note: The following instructions describe how to remove the bulbs. Fit replacements in the reverse order unless otherwise stated.

Headlamp

1. Open the hood. See **Opening and Closing the Hood** (page 150).



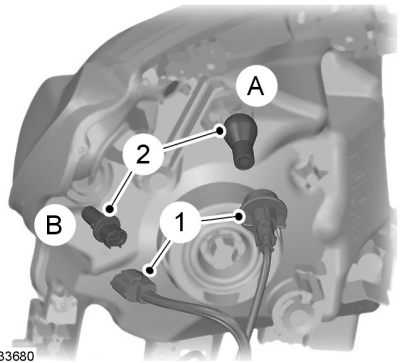
E133679

2. Disconnect the electrical connector.
3. Remove the rubber cover.
4. Release the clip and remove the bulb.

Note: Do not touch the bulb glass.

Note: Make sure that the rubber covers seals correctly against the bulb and headlamp housing.

Side Lamp and Direction Indicator

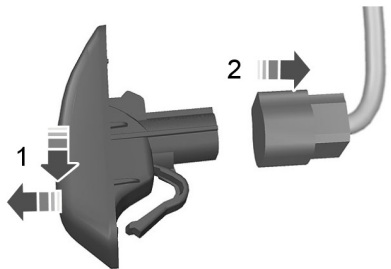


E133680

- A Direction indicator
- B Side lamp

1. Remove the bulb holder by pulling it straight out.
2. Remove the bulb.

Side Repeater

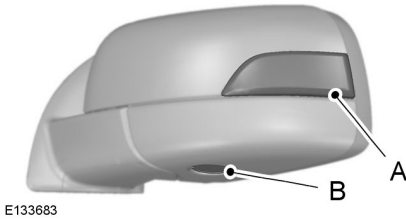


E133682

1. Slide the lens to the rear and remove it.
2. Disconnect the electrical connector.

Maintenance

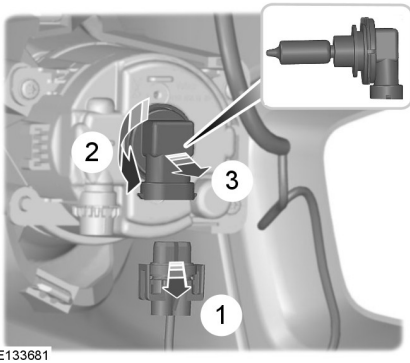
Approach Lamp and Side Repeater



- A Side repeater
- B Approach lamp

Note: These lamps are not serviceable. See an authorized dealer if it fails.

Front Fog Lamps



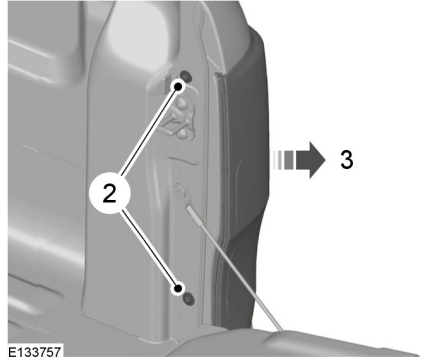
Note: You cannot separate the fog lamp bulb from the bulb holder.

1. Disconnect the electrical connector.
2. Turn the bulb holder counterclockwise and remove it.

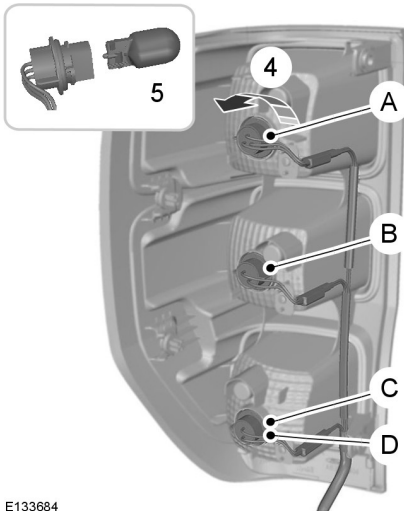
Rear Lamps

Type 1

Tail, Brake, Reversing, Fog Lamp and Direction Indicator



Maintenance



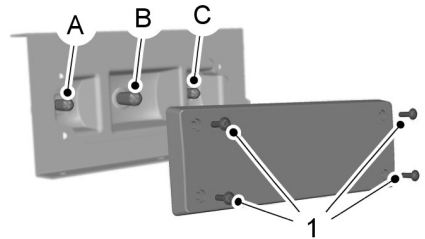
E133684

- A Tail and brake lamp
- B Direction indicator
- C Reversing lamp
- D Fog lamp (left-hand side for LHD)

1. Open the tail gate.
2. Remove the screws.
3. Remove the rear lamp.
4. Turn the bulb holder counterclockwise and remove it.
5. Remove the bulb.

Type 2

Tail, Brake, Reversing Lamp and Direction Indicator



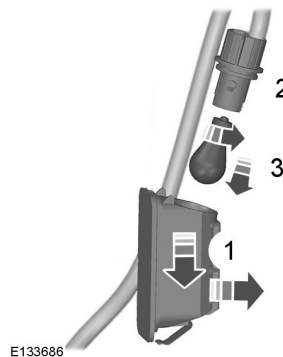
E133685

- A Direction indicator
- B Tail and brake lamp
- C Reversing lamp

1. Remove the screws.
2. Remove the lamp lens.
3. Remove the bulb.

License Plate Lamp

Type 1

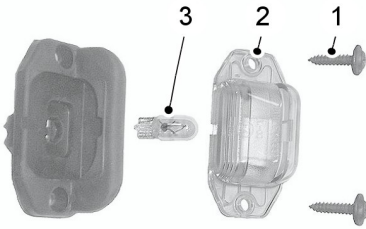


E133686

Maintenance

1. Carefully release the spring clip and remove the lamp.
2. Remove the connector with bulb.
3. Remove the bulb.

Type 2

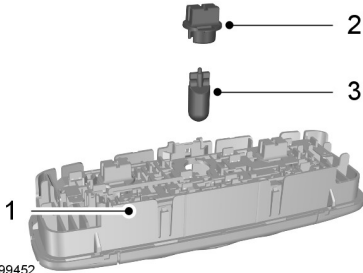


E133687

1. Remove the screws.
2. Remove the lamp lens.
3. Remove the bulb.

Interior Lamp

Stretch and Double Cab



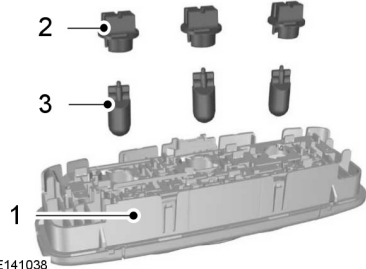
E99452

1. Carefully prise out the lamp.
2. Turn the bulb holder counterclockwise and remove it.
3. Remove the bulb.

Reading Lamp

Type 1

Without Alarm Sensor

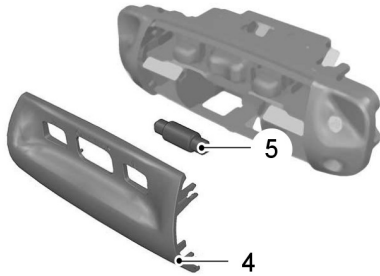
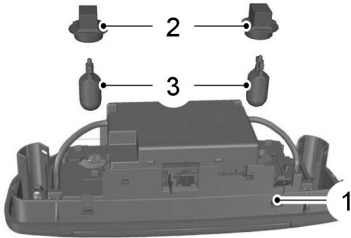


E141038

1. Carefully prise out the lamp.
2. Turn the bulb holder counterclockwise and remove it.
3. Remove the bulb.

Maintenance

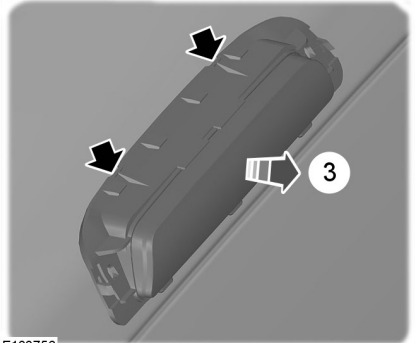
Type 2 With Alarm Sensor



E140992

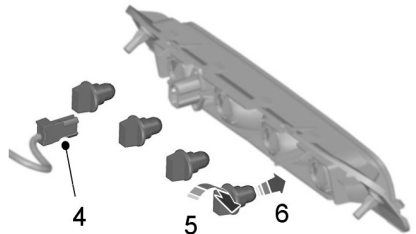
1. Carefully prise out the lamp.
2. For reading lamps, turn the bulb holder counterclockwise and remove it.
3. Remove the bulb.
4. For center lamp, remove the lamp lens.
5. Remove the bulb.

Central High Mounted Brake Lamp Type 1



E133756

1. Remove the lamp lens.
2. Remove the screws.
3. Carefully prise out the lamp.

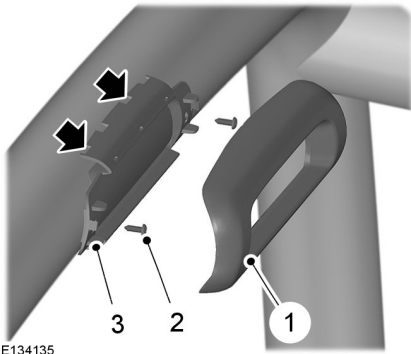


E133755

4. Disconnect the electrical connector.
5. Turn the bulb holder 45° counterclockwise and remove it.
6. Remove the bulb.

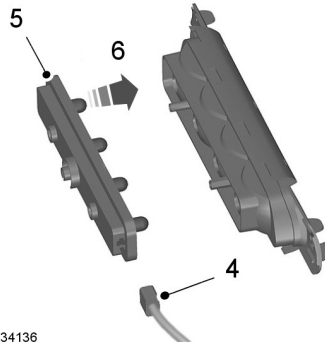
Maintenance

Type 2



E134135

1. Remove the lamp lens.
2. Remove the screws.
3. Carefully prise out the lamp.



E134136

4. Disconnect the electrical connector.
5. Remove the bulb holder by pulling it straight out.
6. Remove the bulb.

BULB SPECIFICATION CHART

Bulb	Specification	Power (watts)
Headlamp main and dipped beam	H4	55/60
Front direction indicator	P21W	21
Side lamp	W5W	5
Front fog lamp	H11	55
Side repeater*	-	5
Rear direction indicator	WY21W	21
Tail and brake lamp	W21/5W	21/5
Reversing lamp	W21W	21
Rear fog lamp	W21W	21
Number plate lamp	W5W	5
Interior lamp	W5W	5

Maintenance

Bulb	Specification	Power (watts)
Reading lamp	W5W	5
Center high mount stop lamp	W5W	5
Roof bar lamp	W5W	5

* Bulb replacement is not possible as the bulb is an integral part of the unit. The side repeater lamp unit has to be changed.

TECHNICAL SPECIFICATIONS

Vehicle fluids

Part	Recommended fluid	Specification
Engine oil - Diesel (for markets with low sulphur content less than 350 ppm)	Castrol Engine Oil	WSS-M2C-913-C WSS-M2C-913-D
Engine oil - Diesel (for markets with high sulphur content greater than 350 ppm)	Castrol Engine Oil	WSS-M2C-921-A WSS-M2C-913-D
Engine oil - Gasoline	Castrol Engine Oil	WSS M2C913-C WSS-M2C-913-D WSS-M2C929-A WSS M2C930-A WSS M2C946-A WSS M2C945-A
Transmission oil - Manual (MT-75)	Castrol - BOT130-M	WSD-M2C200-C
Transmission oil - Manual (MT-82)	Castrol - BOT350-M3	WSS-M2C200-D2
Transmission oil - Auto-matic	Motorcraft MERCON® LV	WSS-M2C938-A (XT-10 QLV)
Clutch/Brake		WSS-M6C65-A2 Super Dot4-14M
Power assisted steering	Motorcraft MERCON® LV	WSS-M2C938-A (XT-10 QLV)

Maintenance

Part	Recommended fluid	Specification
Coolant	Chevron / Artec	WSS-M97B44-D (XLC-OF02)
Front Axles		WSP-M2C197-A
Rear Axles	Castrol	WSP-M2C197-A
Transfer Case	Motorcraft MERCON® LV	WSS-M2C938-A (XT-10 QLV)
Refrigerant	R134A	WSH-M17B19-A
AC Compressor lubricant	POLYALKYLENE GLYCOL	WSH-M1C231-B

Your engine has been designed to be used with Castrol and Ford Engine Oil, which gives a fuel economy benefit whilst maintaining the durability of your engine.

Topping up the oil:

Engine oil - Diesel (for markets with low sulphur content less than 350 ppm): If you are unable to find an oil that meets the specification defined in the vehicle fluids table, you must use **SAE 5W-30** that meets the specification defined by **ACEA A5/B5**.

Engine oil - Diesel (for markets with high sulphur content greater than 350 ppm): If you are unable to find an oil that meets the specification defined in the vehicle fluids table, you must use **SAE 10W-30** that meets the specification defined by **API CH-4**.

For gasoline engines only, if you are unable to find an oil that meets the specification defined in the vehicle fluids table, you must use **SAE 5W-20** or **SAE 5W-30** that meets the specification defined by either **ACEA A5/B5**, **API SM** or **API SN**.

Using topping up oils other than the one specified can result in longer engine cranking periods, reduced engine performance, reduced fuel economy and increased emission levels.

Castrol engine oil recommended.



Maintenance

Capacities

Variant	Item	Capacity in Liters (gallons)
All	Power assisted steering fluid	1.2 (0.26)
All	Windshield washer system	5.5 (1.2)
All	Fuel tank	80 (17.60)
Automatic transmission (dry)	Transmission fluid	10.5 (2.31)
Automatic transmission (wet)	Transmission fluid	9 (1.97)
Manual transmission (MT75)	Transmission fluid	1.7 (0.37)
Manual transmission (MT82)	Transmission fluid	2.7 (0.59)
2.2L Duratorq-TDCi	Engine oil - with filter	8.6 (1.89)
2.2L Duratorq-TDCi (MT75 and MT82)	Cooling system	11.5 (2.53)
2.2L Duratorq-TDCi (AT)	Cooling system	11.9 (2.62)
3.2L Duratorq-TDCi	Engine oil - with filter	9.75 (2.14)
3.2L Duratorq-TDCi (MT82)	Cooling system	12.9 (2.84)
3.2L Duratorq-TDCi (AT)	Cooling system	13.5 (2.97)
2.5L Duratec-HE	Engine oil - with filter	6.7 (1.47)
2.5L Duratec-HE	Cooling system	11.0 (2.42)

Vehicle Care

CLEANING THE EXTERIOR

We recommend that you wash your vehicle regularly with a sponge and lukewarm water containing a neutral pH car shampoo.

Never use strong household detergents or soap, such as dish washing or laundry liquid. These products can discolor and can cause spotting on painted surfaces.

Never wash your vehicle when it is hot to the touch or during exposure to strong, direct sunlight.

Dry your vehicle with a chamois or soft terry cloth towel in order to eliminate water spotting.

Immediately remove items such as gasoline, diesel fuel, bird droppings and insect deposits as they can cause damage to your vehicle's paintwork and trim over time.

Suntan lotions and insect repellents can damage any painted surface. If these substances come in to contact with your vehicle, wash them off as soon as possible.

Using a Car Wash

WARNINGS



If you use a car wash with a waxing cycle, make sure that you remove the wax from the windshield.



Switch the heater blower off to prevent contamination of the fresh air filter.

Prior to using a car wash facility check the suitability of it for your vehicle.

Some car wash installations use water at high pressure. This could damage certain parts of your vehicle.

Remove any exterior accessories, including the antenna, before using an automatic car wash.

Cleaning the Headlamps

WARNINGS



Do not scrape the headlamp lenses or use abrasives, alcoholic solvents or chemical solvents to clean them.



Do not wipe the headlamps when they are dry.

Cleaning the Chrome Trim

Do not use abrasives or chemical solvents. Use soapy water.

Do not apply cleaning product to hot surfaces.

Do not leave cleaning product on chrome surfaces longer than recommended.

Industrial-strength (heavy-duty) cleaners, or cleaning chemicals, may cause damage over a period of time.

Underbody

Flush the complete underside of your vehicle frequently. Keep body and door drain holes free from packed dirt.

Cleaning Plastic Exterior Parts

Use only approved products to clean plastic parts.

CLEANING THE INTERIOR

Note: Do not allow air fresheners and hand sanitizers to spill on interior surfaces. If a spill occurs, wipe off immediately. Damage may not be covered by your warranty.

Safety Belts

WARNINGS



Do not use abrasives, or chemical solvents to clean them.

Vehicle Care

WARNINGS



Do not allow moisture to penetrate the safety belt retractor mechanism.

Clean them with interior cleaner or water applied with a soft sponge. Let them dry naturally, away from artificial heat.

Instrument Cluster Screens, LCD Screens and Radio Screens

WARNING



Do not use abrasives, alcoholic solvents or chemical solvents to clean them.

Rear Windows

WARNING



Do not use any abrasive materials to clean the interior of the rear windows.

Note: Do not install stickers or labels to the interior of the rear windows.

REPAIRING MINOR PAINT DAMAGE

You should repair paintwork damage caused by stones from the road or minor scratches as soon as possible. A choice of products are available from an authorized dealer.

Remove particles such as bird droppings, tree sap, insect deposits, tar spots, road salt and industrial fallout before repairing paint chips.

Always read and follow the manufacturer's instructions before using the products.

CLEANING THE ALLOY 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 parking 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 will reduce the risk of increased corrosion of the brake discs, brake pads and linings.

Note: Some automatic car washes may cause damage to the finish on your wheel rims and covers.

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 have completed the cleaning process.

We recommend that you use Ford service 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 cosmetic damage.

Wheels and Tires

GENERAL INFORMATION

A decal with tire pressure data is located in the driver's door opening.

Check and set the tire pressure at the ambient temperature in which you are intending to drive your vehicle and when the tires are cold.

Note: Check your tire pressures regularly to optimize fuel economy.

Note: Use only approved wheel and tire sizes. Using other sizes could damage your vehicle and will make the National Type Approval invalid.

Note: If you change the diameter of the tires from that fitted at the factory, the speedometer may not display the correct speed. Take your vehicle to an authorized dealer to have the engine management system reprogrammed.

Note: If you intend to change the size of the wheels from that fitted at the factory, check the suitability with an authorized dealer.

USING WINTER TIRES

If winter tires are used you must make sure that you use the correct tire pressures. See **Technical Specifications** (page 180).

USING SNOW CHAINS

WARNINGS



Do not exceed 31 mph (50 km/h).



Do not use snow chains on snow-free roads.



Only fit snow chains to specified tires. See **Technical Specifications** (page 180).

WARNINGS



If your vehicle has wheel trims, remove them before fitting snow chains.

Only use snow chains of 10 millimeters or smaller.

Only use snow chains on the driven wheels.

Note: The anti-lock brake system will continue to operate normally.

Vehicles with Stability Control

When stability control is on, your vehicle may exhibit some unusual driving characteristics. To reduce this, switch traction control off. See **Using Traction Control** (page 106).

CHANGING A ROAD WHEEL

Lug Nuts

You can obtain replacement locking lug nuts or a locking lug nut key using the reference number certificate.

Vehicles with a Spare Wheel

If the spare wheel is the same type and size as your vehicle road wheel, you can fit the spare wheel and continue to drive in the normal manner.

WARNING







Only fit snow chains to specified tires. See **Technical Specifications** (page 180).

Note: Your vehicle may exhibit some unusual driving characteristics.

Wheels and Tires

Vehicle Jack

WARNINGS

-  Do not use the vehicle jack other than when you are changing a wheel in an emergency.
-  The vehicle jack must not be damaged or deformed and the thread is lubricated and free from foreign material.
-  Never place anything between the vehicle jack and the ground.
-  Never place anything between the vehicle jack and your vehicle.

Use a workshop type hydraulic jack for changing between summer and winter tires.

Note: Use a jack with a minimum lifting capacity of one tonne (one ton) and a lifting plate with a minimum diameter of 3.1496 in (80 mm).

The jack, wheel brace, and jack handle are located in the cab.

Single Cab



E133591

1. Fold the left-hand side seatback forward.
2. Remove the locking strap and remove the tools.



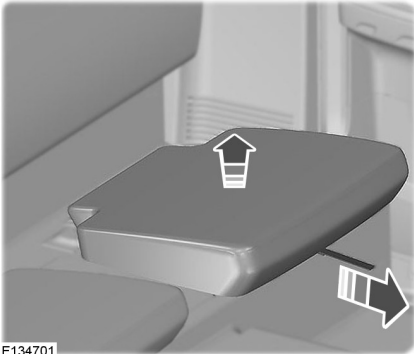
E135841

1. Fold the right-hand side seatback forward.

Wheels and Tires

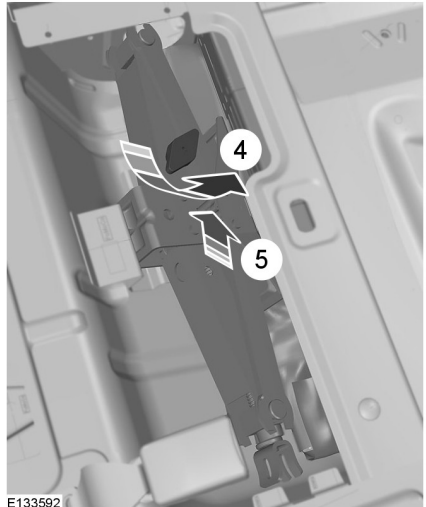
2. Loosen the jack, remove the bolt and remove the jack.

Stretch Cab



E134701

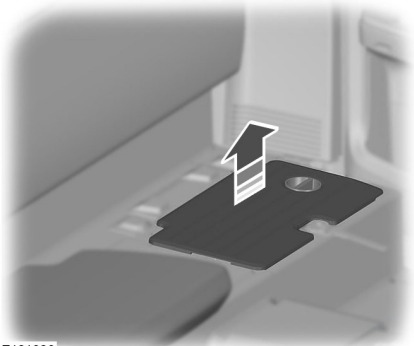
1. Pull the release strap.
2. Remove the rear seats.



E133592

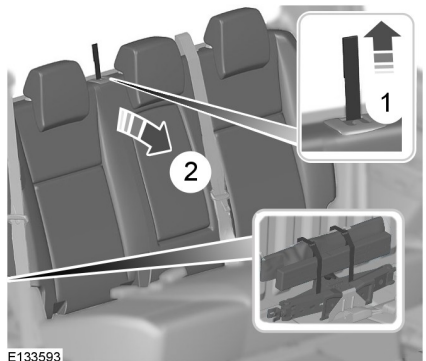
4. Remove the bolt.
5. Remove the jack.
6. Remove the tools.

Double Cab



E131838

3. Remove the cover.



E133593

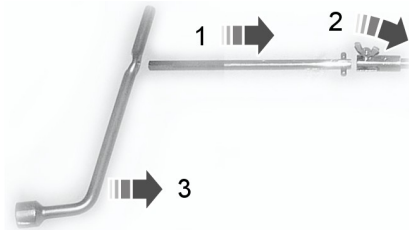
1. Lift the release strap.

Wheels and Tires

2. Lower the seatback.
3. Remove the locking strap.
4. Remove the bolt.
5. Remove the jack.

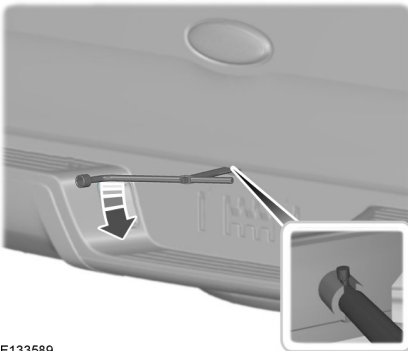
Spare Wheel

Note: The spare wheel is located underneath the rear of the vehicle.



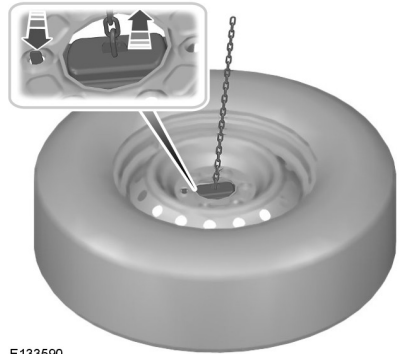
E79153

1. Assemble the handle.



E133589

2. Fully insert the jack handle into the guide hole. Turn counter-clockwise until the wheel rests on the ground, and there is slack in the cable.



E133590

3. Pass the bracket and cable through the wheel opening.

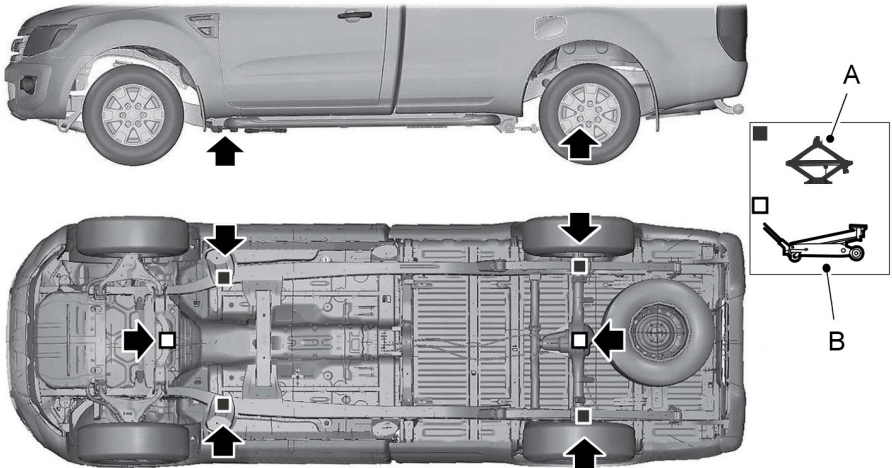
Jacking and Lifting Points

WARNING



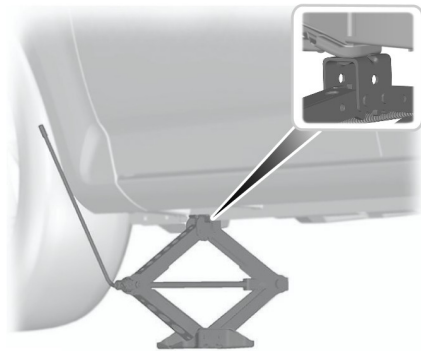
You must use the specified jacking points.

Wheels and Tires



E133594






- A Emergency use only
- B Maintenance



E134692




Removing a Road Wheel

WARNINGS

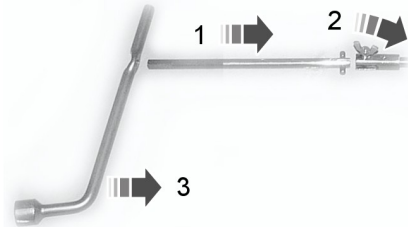
-  Park your vehicle so that you do not obstruct the flow of traffic or place yourself in any danger and set up a warning triangle.
-  Make sure that your vehicle is on firm and level ground with the front wheels pointing straight ahead.
-  Switch the ignition off and apply the parking brake.
-  If your vehicle has a manual transmission, shift into first or reverse gear. If your vehicle has an automatic transmission, shift into park (P).
-  Make sure all passengers are out of your vehicle.

Wheels and Tires

WARNINGS

-  Chock the diagonally opposite wheel to the punctured tire with an appropriate block or wheel chock.
-  Do not work on your vehicle when the jack is the only support. If the vehicle slips off the jack, you or someone else could be seriously injured.
-  Make sure that the vehicle jack is vertical to the jacking point and the base is flat on the ground.

Note: Do not lay alloy road wheels face down on the ground.

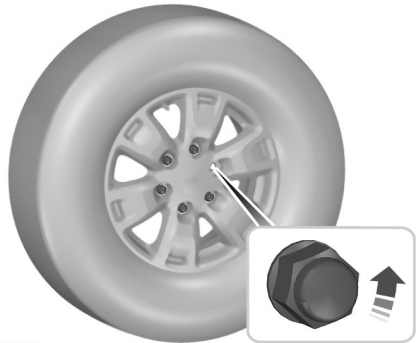


E79153

1. Assemble the jack handle.

Note: Assemble the three handles to jack the rear of the vehicle.

2. Loosen the lug nuts.
3. Raise your vehicle until the tire is clear of the ground.







E134693

4. Remove the lug nuts and the road wheel.

Installing a Road Wheel

WARNINGS

-  Use only approved wheel and tire sizes. Using other sizes could damage your vehicle and will make the National Type Approval invalid. See **Technical Specifications** (page 180).
-  Do not fit run flat tyres on vehicles that were not originally fitted with them. Please contact your dealer for more details regarding compatibility.
-  Make sure there is no lubrication (grease or oil) on the threads or the surface between the wheel lugs and nuts. This can cause the lug nuts to loosen while driving.
-  Do not install alloy wheels using lug nuts designed for use with steel wheels.

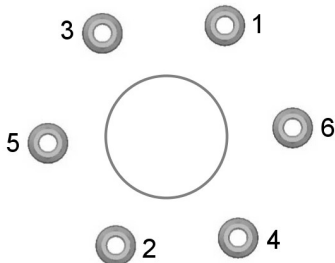
Note: Alloy wheel lug nuts are suitable for use on a steel spare wheel for a short time (maximum two weeks).

Note: Make sure the wheel and hub contact surfaces are free from foreign matter.

Wheels and Tires

Note: Make sure that the cones on the lug nuts are against the wheel.

1. Install the wheel.
2. Install the lug nuts and finger tight.
3. Install the locking lug nut key.



E79156

4. Install all of the lug nuts and partially tighten them in the sequence shown.
5. Lower your vehicle and remove the vehicle jack.
6. Fully tighten all of the lug nuts in the sequence shown. See **Technical Specifications** (page 180).

7. Position the projection of the cap and the projection of the hub correctly.

WARNING



Have the lug nuts checked for tightness and the tire pressure checked as soon as possible.

Note: If the spare wheel is different in size or construction to the road wheels, have this replaced as soon as possible.

Stowing the Flat Tire

WARNING



Do not raise the spare wheel carrier without the wheel attached. Damage can occur to the winch mechanism if lowered without a wheel attached.

1. Place the wheel flat on the ground, outside of the wheel facing down.
2. Tilt the bracket, and pass it through the center of the wheel.
3. Fully insert the jack handle into the guide hole and turn clockwise.

TECHNICAL SPECIFICATIONS

Lug nut torque

Wheel type	Nm (lb-ft)
All	135 (99.6)

Wheels and Tires

Tire pressures (cold tires)

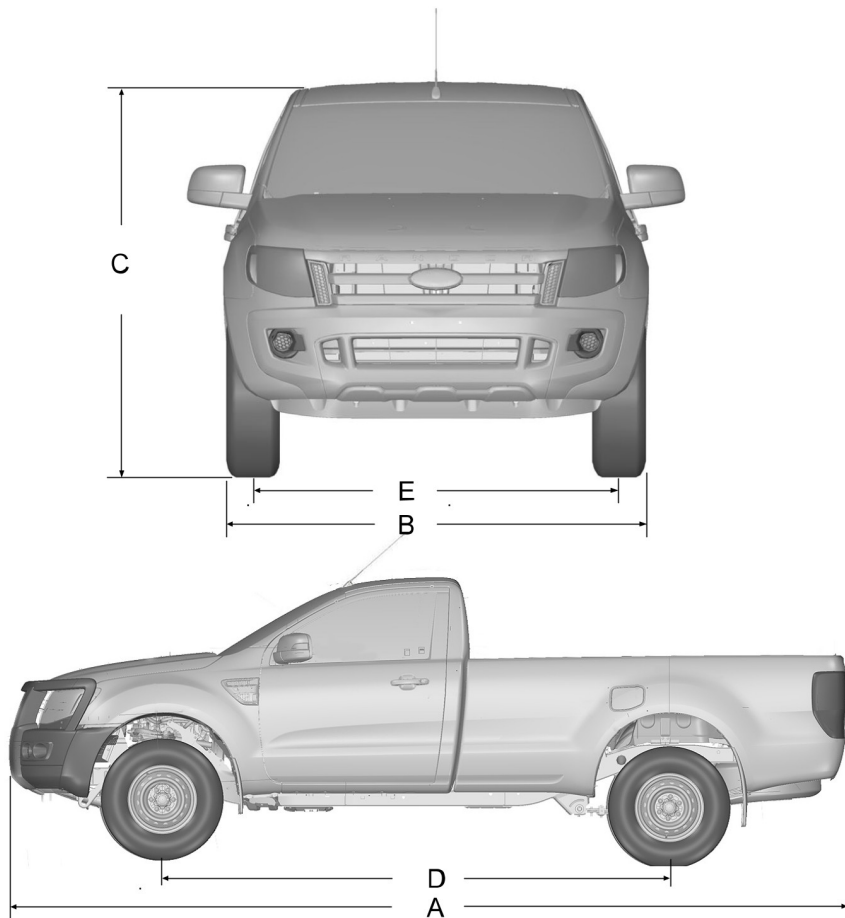
Variant	Tire size	Normal load		Economy		Full load	
		Front	Rear	Front	Rear	Front	Rear
		bar (psi)	bar (psi)	bar (psi)	bar (psi)	bar (psi)	bar (psi)
4x2	215/70 R 16*	2.4 (35)	2.4 (35)	2.6 (38)	2.6 (38)	2.6 (38)	3.8 (54)
All	255/70 R 16*	2.4 (35)	2.4 (35)	2.6 (38)	2.6 (38)	2.6 (38)	3.0 (44)
All	265/65 R 17*	2.4 (35)	2.4 (35)	2.6 (38)	2.6 (38)	2.6 (38)	3.0 (44)
All	265/60 R 18*	2.4 (35)	2.4 (35)	2.6 (38)	2.6 (38)	2.6 (38)	3.0 (44)

*Only fit snow chains to specified tires.

Capacities and Specifications

VEHICLE DIMENSIONS

Single cab



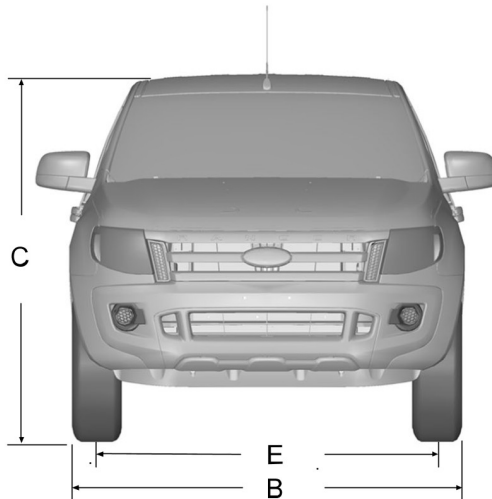
E174140

Capacities and Specifications

Item	Dimension Description	Dimension in mm (inches)
A	Maximum length	5359 (211.0)
A	Maximum length - with bull bars	5434 (214.0)
B	Overall width - excluding exterior mirrors	1850 (72.8)
C	Overall height (4x2)	1703 (67.0)
C	Overall height (4x2* or 4x4)	1800-1806 (70.9-71.1)
D	Wheelbase	3220 (126.8)
E	Track - front and rear (4x2)	1590 (62.6)
E	Track - front and rear (4x2* or 4x4)	1560 (61.4)

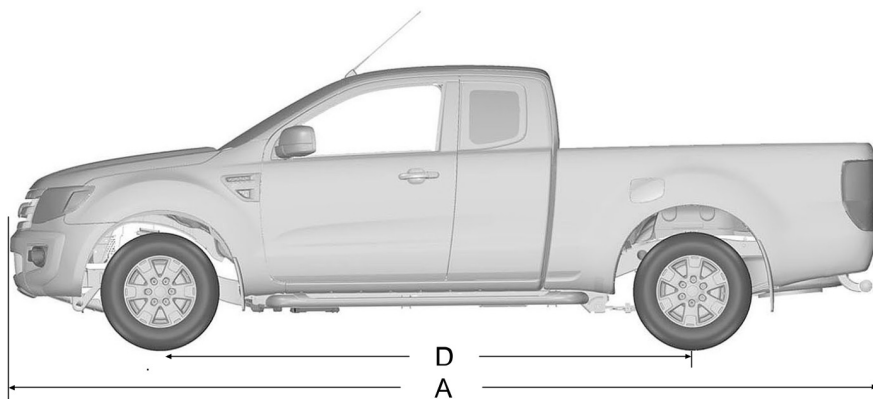
*Vehicles with increased ride height

4-door stretch cab



E131994

Capacities and Specifications



E131996

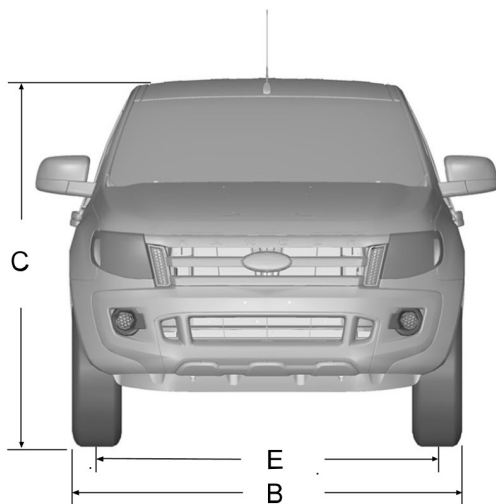
Item	Dimension Description	Dimension in mm (inches)
A	Maximum length	5359 (211.0)
B	Overall width - excluding exterior mirrors	1850 (72.8)
C	Overall height (4x2)	1706 (67.2)
C	Overall height (4x2* or 4x4)	1804-1810 (71.0-71.2) ¹
D	Wheelbase	3220 (126.8)
E	Track - front and rear (4x2)	1590 (62.6)
E	Track - front and rear (4x2* or 4x4)	1560 (61.4)

¹Depending on tyre size

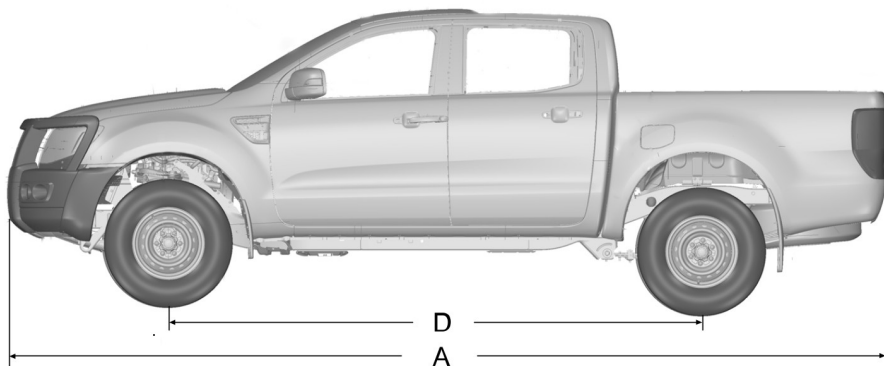
*Vehicles with increased ride height

Capacities and Specifications

Double cab



E131994



E174619

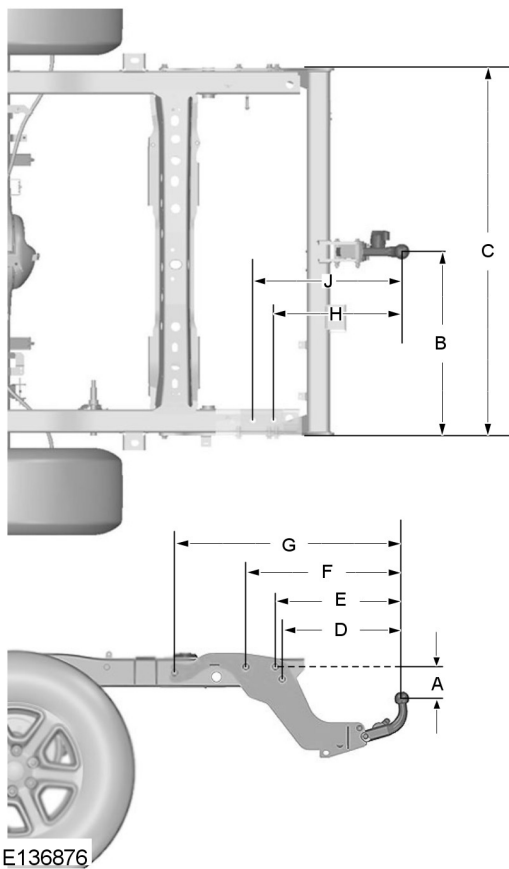
Capacities and Specifications

Item	Dimension Description	Dimension in mm (inches)
A	Maximum length	5359 (211.0)
A	Maximum length - with bull bars	5434 (214.0)
B	Overall width - excluding exterior mirrors	1850 (72.8)
C	Overall height (4x2)	1716 (67.5)
C	Overall height (4x2* or 4x4)	1815-1848 (71.4-72.8) ¹
D	Wheelbase	3220 (126.8)
E	Track - front and rear (4x2)	1590 (62.6)
E	Track - front and rear (4x2* or 4x4)	1560 (61.4)
¹ Depending on tyre size * Vehicles with increased ride height		

Capacities and Specifications

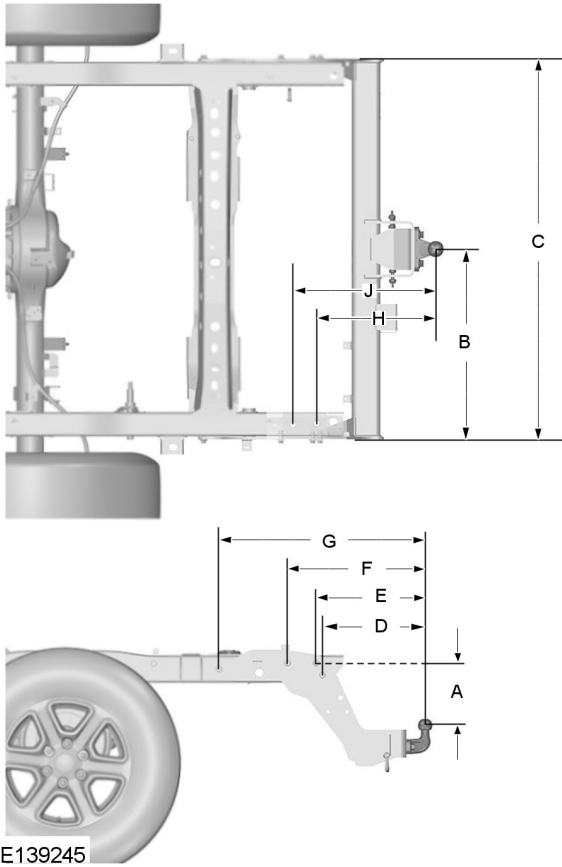
TOWBAR DIMENSIONS

4x2



Capacities and Specifications

4x2 (vehicles with increased ride height) and 4x4



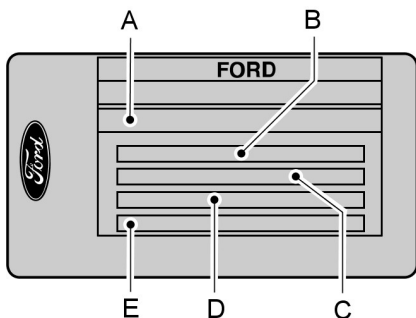
Item	Dimension Description	Dimension in mm (inches)
A	Attachment point - centre of tow ball (4x2)	124 ± 5 (4.8 ± 0.2)
A	Attachment point - centre of tow ball (4x2* or 4x4)	221.5 ± 5 (8.7 ± 0.2)

Capacities and Specifications

Item	Dimension Description	Dimension in mm (inches)
B	Centre of tow ball - side member	588 (23.1)
C	Outside of side member	1176 (46.3)
D	Centre of tow ball - centre of 1st attachment point (4x2)	419 ± 5 (16.5 ± 0.2)
D	Centre of tow ball - centre of 1st attachment point (4x2* or 4x4)	363 ± 5 (14.3 ± 0.2)
E	Centre of tow ball - centre of 2nd attachment point (4x2)	442 ± 5 (17.4 ± 0.2)
E	Centre of tow ball - centre of 2nd attachment point (4x2* or 4x4)	386 ± 5 (15.2 ± 0.2)
F	Centre of tow ball - centre of 3rd attachment point (4x2)	542 ± 5 (21.3 ± 0.2)
F	Centre of tow ball - centre of 3rd attachment point (4x2* or 4x4)	486 ± 5 (19.1 ± 0.2)
G	Center of tow ball - centre of 4th attachment point (4x2)	785 ± 5 (30.9 ± 0.2)
G	Center of tow ball - centre of 4th attachment point (4x2* or 4x4)	728 ± 5 (28.7 ± 0.2)
H	Center of tow ball - centre of 5th attachment point (4x2)	429 ± 5 (16.8 ± 0.2)
H	Center of tow ball - centre of 5th attachment point (4x2* or 4x4)	373 ± 5 (14.7 ± 0.2)
J	Center of tow ball - centre of 6th attachment point (4x2)	504 ± 5 (19.8 ± 0.2)
J	Center of tow ball - centre of 6th attachment point (4x2* or 4x4)	448 ± 5 (17.6 ± 0.2)
*Vehicles with increased ride height		

Capacities and Specifications

VEHICLE IDENTIFICATION PLATE



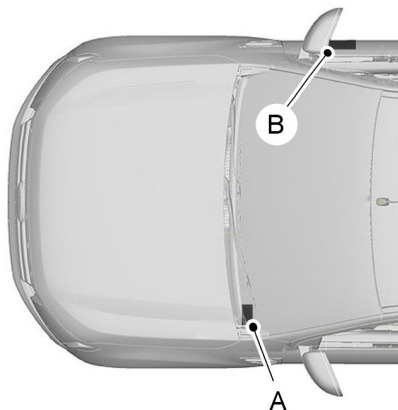
E85610

- A Vehicle identification number
- B Gross vehicle weight
- C Gross train weight
- D Maximum front axle weight
- E Maximum rear axle weight

The vehicle identification plate with your vehicle identification number and maximum weights is located on the bottom of the lock side of the passenger door aperture.

VEHICLE IDENTIFICATION NUMBER

The vehicle identification number is on the left-hand side of the instrument panel.



E133363

The vehicle identification number is also stamped beneath the front door on the chassis, on the right-hand side.

Navigation introduction

GENERAL INFORMATION


Press the relevant button on the unit bezel to access the system functions. This will take you into the selected mode.


One hour mode


To conserve battery power, the system can be operated in one hour mode. If the ignition is off, press the ON/OFF button to switch the system on. The system will automatically switch off after one hour.

System notes


WARNINGS


 The indicated maximum speed may not be applicable to your vehicle. It is always your responsibility to control the vehicle, supervise any system and obey the correct speed limit.

 The front glass on the liquid crystal display may break if hit with a hard object. If the glass breaks, do not touch the liquid crystalline material. In case of contact with the skin, wash immediately with soap and water.


 The unit is a highgrade laser product which uses an invisible laser beam. If this is handled incorrectly it can emit dangerous rays. Do not attempt to look through any openings in the unit.


CAUTIONS


 Irregular shaped CDs and CDs with a scratch protection film or self adhesive labels attached should not be used. Warranty claims, where this type of disc is found to be inside an audio unit returned for repair, will not be accepted.


 Do not clean the unit with solvents or aerosol cleaning agents. Use only a damp cloth.


CAUTIONS


 Do not insert foreign objects into any of the unit disc drives or media card slots.

 Do not insert more than one disc into the unit disc drive.

 Use only 12 cm (4.7 inches) discs or 8 cm (3.1 inches) discs with a suitable adaptor.

 Do not attempt to open the unit. If the unit malfunctions consult your dealer.


 Improper use of settings and connections, other than those explained in this manual, can damage the unit.


 Do not turn the ignition key or attempt to start the engine while the software is updating.


The system is recommended for use when the ignition key is turned to the accessory position or when the engine is running. If the system is used extensively when the engine is not running, care needs to be taken to avoid draining the battery.

ROAD SAFETY

WARNINGS

 The system provides you with information designed to help you reach your destination quickly and safely.

 For reasons of safety, the driver should only program the system when the vehicle is stationary.

 The system provides no assistance with respect to stop signs, traffic lights, areas under construction or other important safety information.

Navigation introduction

WARNINGS



Do not use the system until you have familiarized yourself with its operation.



Only view the system display when driving conditions permit.

Safety information

Read and follow all stated safety precautions. Failure to do so may increase your risk of collision and personal injury. Ford Motor Company shall not be liable for any damages of any type arising from failure to follow these guidelines.

If detailed viewing of route instructions is necessary, pull off the road when it is safe to do so and park your vehicle.

Do not use the navigation system to locate emergency services.

To use the system as effectively and safely as possible, always use the latest navigation information. Your dealer will be able to assist with this.

Navigation Quick start

Vehicles with SD navigation system

The system has a large range of features, yet is easy and intuitive to use. Route guidance is shown on the display screen. The screen provides full information for operating the system through the use of menus, text screens and map displays. Screen selections are made by scrolling through the menus using the up, down, left and right arrow buttons and pressing the **OK** button to activate the desired setting.

Basic operation

1. Press either the **NAV** or **MENU** button to enter the menu structure.
2. Use the up, down, left and right arrow buttons and scroll through the various selection lists.
3. Press the **OK** button to activate your selection.

Selection lists

Various screens are presented which offer a selection list of available options.

1. Select the option you require, or if it is not shown on the screen use the up and down arrow buttons to view the remainder of the selection list.
2. Press the **OK** button to confirm your selection.

Alphanumeric keypad entry

When it is necessary to enter an address, a keypad will appear prompting you to enter a postcode, city, or street.

1. Use the up, down, left and right arrow buttons to select the letter or number that you require.

Note: *As you spell the entry the results will appear in the display.*

Note: *The system will limit your entries to only those characters which spell a valid entry.*

2. Press the **OK** button to activate your selection.

Route setting example

Navigation main screen

- To select the navigation system, press the **NAV** button. The road safety caution will be displayed. To use the system, read the caution and press the **OK** button.

Destination input screen

- Use the up and down arrow buttons and scroll to **Destination input**.
- Press the **OK** button to activate your selection.

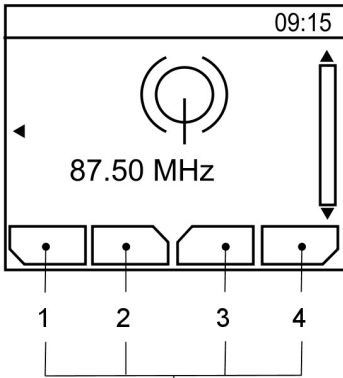
Note: *A list with several options is shown.*

- Starting from the top, select the country followed by either the postcode if available or city and street name.
- Use the alphanumeric keypad and selection lists to select your address details.
- Once sufficient information has been entered, scroll to **Start guidance** and press the **OK** button to activate your selection.

Note: *If you only need to navigate to a city center for example, full address details are not required.*

- The route is now calculated and the screen returns to the main navigation screen with instructions on how to proceed.
- Follow the screen information and voice prompts to reach your destination.

Navigation unit overview



A Descriptions for function buttons 1-4

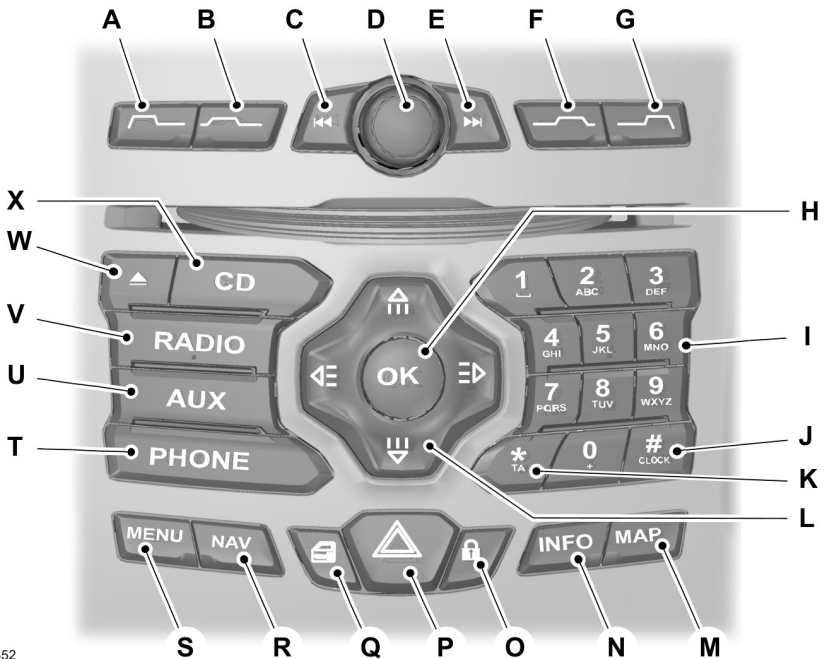
Function buttons 1 to 4 are context dependent, and change according to the current unit mode. Descriptions for the functions are shown at the bottom of the screen display.

E104157

A

Navigation unit overview

Vehicles with SD navigation system



E135352

- | | | | |
|---|---|---|---|
| A | Function 1. | H | OK. |
| B | Function 2. | I | Telephone keypad, station presets and navigation keypad. See Using the telephone (page 231). See Station preset buttons (page 217). See Navigation Quick start (page 193). |
| C | Seek down. CD track selection. See Station tuning control (page 216). See Track selection (page 221). | J | Clock. |
| D | On/off and volume control. | K | Traffic announcement. See Traffic information control (page 218). |
| E | Seek up. CD track selection. See Station tuning control (page 216). See Track selection (page 221). | L | Navigation arrows. |
| F | Function 3. | | |
| G | Function 4. | | |

Navigation unit overview

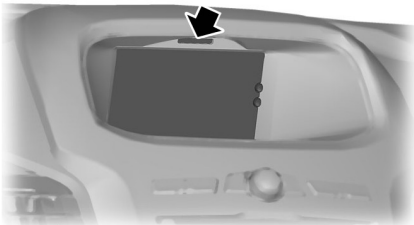
- M Map.
- N Information.
- O Door lock indicator.
- P Hazard warning flasher switch.
- Q Door lock button. See **Locking and Unlocking** (page 36).
- R Navigation.
- S Menu select.
- T Phone menu. See **Telephone** (page 229).
- U Auxiliary, USB and iPod select. See **Auxiliary Power Points** (page 79). See **Auxiliary input jack** (page 226).
- V Radio and waveband select. See **Audio unit operation** (page 216).
- W CD eject. See **Compact Disc Player** (page 221).
- X CD select. See **Compact Disc Player** (page 221).

1. Load the navigation SD card into the aperture.
2. Press the NAV button. The road safety warning will be shown in the display.
3. Use the up and down arrow buttons to select the required feature.
4. Press the OK button to confirm your selection.

For map updates and system upgrades please refer to your dealer.

LOADING THE NAVIGATION DATA

Loading the navigation data



E138622

System settings

Most of the important settings for your navigation unit can be accessed via the **MENU** or **NAV** button. The following section describes the various options and how to use them.

For menu structures: See **Information Displays** (page 59).

Menu structure - Information and entertainment display - Vehicles with navigation system

Route

This feature allows you to customize the route to your specific journey requirements (for example continue route guidance, block specific sections of your route or select specific sections of a route).

Destination input

This feature allows you to enter your destination details (for example enter city names, enter street names or pick a place from a map).

Traffic

This feature allows you to customize how you receive traffic information (for example review and sort traffic messages, review your route or block parts of your route).

Home address

This feature allows you to start the route guidance to your home address or change the details of your home address.

Last destinations

This feature allows quick access to a history of previous destinations entered in the system. A detailed display will show the complete stored information including an overview map. Select the required repeat destination from the list.

Favourites

This feature allows you to customize a personal destination address book and assign user defined names to addresses and locations. A detailed display will show the complete stored information including an overview map. Select the required repeat destination from the list.

Points of interest

This feature allows you to customize the route to your specific journey requirements (for example select a museum on route or a specific point of interest near your destination).

Tour planning

This feature allows you to enter a number of different destinations and select the order in which you wish to visit them. You can also modify an existing tour or recall a previous tour. The system will automatically calculate and display your chosen journey.

Store position

This feature allows you to store and name your current position.

Route options

This feature allows you to customize the route to your specific journey requirements (for example select the fastest or most economical route or select a route that will avoid tunnels, seasonal roads and toll roads).

Special functions

This feature allows you to select GPS and system information or a demonstration of the system functionality.

System settings

Map display

This feature allows you to change the way the map screen is displayed (for example clean 2D and clean 3D view) and to customize display information for your journey (for example time to arrival and lane guidance).

Assistance options

This feature allows you to customize display information for your journey (for example signs, lanes and speed limits).

Personal data

This feature allows you to edit and delete personal data (for example your home address).

Reset all settings

This feature allows you to reset the navigation settings.

Menu structure - Information and entertainment display - All vehicles

Audio settings

Adaptive volume

This feature allows you to adjust the volume level to compensate for engine and road speed noise. You can turn this on and off. See **Automatic volume control** (page 219).

Sound

This feature allows you to adjust the sound settings (for example bass and treble).

Nav audio mixing

This feature allows you to adjust the volume mix between the navigation voice output and audio source.

DSP settings

This feature allows you to customize speaker output relevant to seat positions. See **Digital signal processing (DSP)** (page 219).

DSP equaliser

This feature allows you to select the music category that most suits your listening preference. The audio output will change to enhance the particular style of music chosen. See **Digital signal processing (DSP)** (page 219).

News

This feature allows you to receive news bulletins from stations on the FM waveband or radio data system (RDS) and enhanced other network (EON) linked stations, in the same way as traffic information is provided. You can turn this on and off. See **News broadcasts** (page 219).

Alternative frequencies

This feature will search for and switch to the strongest station signal when moving from one transmission area to another. See **Alternative frequencies** (page 219).

RDS regional

This feature controls the behaviour of AF switching between regionally related networks of a parent broadcaster. See **Regional mode (REG)** (page 220).

Bluetooth

This feature allows you to switch Bluetooth on or off.

Clock settings

Set time

This feature allows you to manually adjust the time.

System settings

Set date

This feature allows you to manually adjust the date, month and year.

GPS time

This feature allows you to, if in a suitable coverage area, automatically adjust the date and time using GPS.

Set time zone

This feature allows you select a specific time zone.

Summertime

This feature allows you set the system to adjust for seasonal time differences.

Note: *GPS time must be selected.*

24-hour mode

This feature allows you to adjust the system between 12 and 24-hour mode.

Navigation system

ROUTE OPTIONS MENU

You can set a number of options which alter the way a route is planned.

Using the up, down, left and right arrow buttons, you can select from the list which road features are to be avoided or included in the route by turning the feature on or off.

Route

Eco

This option will prioritize the most economical route to the destination.

Fast

This option will prioritize the fastest route to the destination.

Short

This option will prioritize the shortest route to the destination..

Always ask

Use this feature to make sure that you are always given the choice of route type selection for your journey.

Driver

Leisurely

This option will prioritize the route for a leisurely drive to the destination.

Normal

This option will prioritize the route for a normal drive to the destination.

Fast

This option will prioritize the route for a fast drive to the destination.

Eco settings

Trailer

Use this feature to change the economy settings of your journey relating to whether or not you are towing a trailer and if so the size of trailer being towed.

Roof box

Use this feature to change the economy settings of your journey relating to the use of a roof box.

Dynamic

When switched on, and if the unit is receiving a valid traffic message channel (TMC) signal, the route will be automatically updated to take into account real time traffic incidents or congestion.

Note: *This feature can be useful in avoiding delays or hold ups on journeys.*

Motorway

When switched on the system will look for freeways on your route and automatically update your route distance and timings.

Note: *This feature can be useful in avoiding delays or hold ups on journeys.*

Ferry/motorail

When switched on the system will look for ferry crossings and motorail facilities on your route and automatically update your route distance and timings.

Toll

When switched on the system will look for toll roads on your route and automatically update your route distance and timings.

Navigation system

Seasonal roads

When switched on the system will look for seasonal roads on your route and automatically update your route distance and timings.

Note: *This feature can be useful in avoiding delays or hold ups on journeys.*

Toll sticker

When switched on the system will automatically select toll roads and update your route distance and timings.

ROUTE DISPLAYS

Map display

Press the **MAP** button for a map view.

This view will show your current location with your vehicle in the center shown as an arrow surrounded by a circle. The arrow will face in the direction of travel.

The information on the top line gives the name of the current road, or the next road to take if a turn is approaching.

You can change the way the map is displayed by altering the zoom and orientation settings. Press the relevant function buttons to change the map scale and using the left and right arrow buttons zoom in or out. The current map scale is shown on the display.

Map scale settings may be set between 50 meters to 500 kilometers or 0.05 miles to 500 miles, with an auto setting to the far left. The auto setting continuously changes the map scale according to the road type being driven.

Junction zoom

This feature will automatically increase the zoom on the map display at times when you are required to make a turn, or perform more complex manoeuvres. Shortly after the zoom scale will return to the previous level.

Select AUTO to activate junction zoom.

Navigation display

After commencing a navigation route, the default screen is the main navigation screen:

Once an active route is underway, guidance will be given by on-screen information and voice prompts. Whichever audio source you wish to leave the unit in, basic turn by turn and distance information will remain on the screen in the form of a graphic inset. You do not need to leave the unit on the main navigation screen when you are navigating a route. Slightly more detailed information on your route may be available via the main navigation screen if required.

WARNING



Do not rely on the screen prompts when navigating. Always listen to the navigation voice and take care not be distracted from the road ahead.

Traffic Message Channel

PRINCIPLE OF OPERATION

Traffic message channel (TMC) stations are broadcast on the FM waveband. TMC is a feature that receives traffic alerts which can be used to plan alternative routes and avoid hold ups.

USING TMC

Press the **TA** or **TRAFFIC** button to show the traffic menu page.

Traffic announcement

Traffic announcement (TA) can be turned on or off via this menu. If switched on a **TA** indicator is shown in the information border of the status bar.

Stations which broadcast on the FM waveband and carry traffic program (TP) information are identified by **TP** shown in the screen display. With TA switched on the unit will respond to these announcements and interrupt music playback. After the announcement has ended music playback will resume.

Ending traffic announcements

The unit will return to normal operation at the end of each traffic announcement. To end the announcement prematurely, press the **TA**, **TRAFFIC**, **RADIO** or **CD** button during the announcement.

Using TMC messages

Select the required item to display a list of TMC messages. See **General Information** (page 59). This is only an overview display which gives very basic information. Select the message you require further information on and another screen will be displayed giving full message details on incident location etc.

You may either select a view which shows messages only affecting your programmed route, or a view which shows all messages received. Press function button 1 to change the view.

Hazard spot warning (depending on country)

Note: *The availability of this feature will vary from country to country.*

The system supports a hazard spot warning feature which informs you with visible and audible feedback about hazardous traffic areas. The system is off by default. You can switch the system on and off using the information display. See **Information Displays** (page 59).

Map updates


The road network is constantly changing due to new roads, changes in road classification, etc. Therefore, it is not always possible to exactly match the map data in the system to the current road network.


Map information is regularly updated, but all areas are not necessarily covered to the same level of detail. Some roads, in particular private roads, may not be included on the database. To help with accuracy, always use the latest version navigation disc. Your dealer will be able to provide this.


Audio introduction


IMPORTANT AUDIO INFORMATION


WARNINGS

 Due to technical incompatibility, recordable (CD-R) and rewritable (CD-RW) discs may not function correctly.

 These CD radio units will play compact discs that conform to the International Red Book standard audio specification. Copy protected CDs from some manufacturers do not conform to this standard and playback cannot be guaranteed.

 Dual format, dual sided discs (DVD Plus, CD-DVD format), adopted by the music industry, are thicker than normal CDs and consequently playback cannot be guaranteed, and jamming could occur. Irregular shaped CDs and CDs with a scratch protection film or self adhesive labels attached should not be used. Warranty claims, where this type of disc is found to be inside an audio unit returned for repair, will not be accepted.

 All CD units are designed to play commercially pressed 12 cm audio compact discs only.

 The audio unit may be damaged if unsuitable items like credit cards or coins are pushed inside the CD aperture.

Audio unit labels

CLASS 1
LASER PRODUCT

CAUTION—INVISIBLE LASER RADIATION WHEN OPEN
DO NOT STARE INTO BEAM OR
VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

Disc labels

Audio CD



MP3



Audio unit overview

Note: Units have an integrated multi function display situated above the CD aperture. This shows important information regarding control of your audio unit. Additionally, there are various icons placed around the display screen which light up when a function is active (for example CD, Radio or Aux.)

Type of audio unit and relevant multi function display:

Type 0: Base audio without CD

Type 1: Base audio with CD

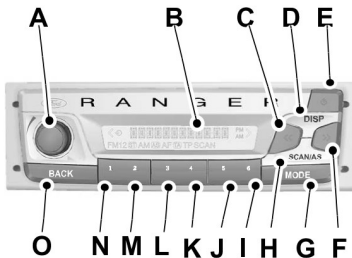
Type 2: Base display

Type 3: Large display

Type 4: 4.2 inch color display

Type 5: 5 inch NAV color display

Type 0

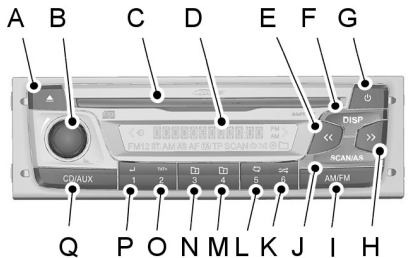


E160471

- A Volume/menu control.
- B LCD display.
- C Seek down (long press). Manual tune down (short press). See **Station tuning control** (page 216).
- D Display time/date and RDS information.
- E On/off (long press) and mute (short press).

- F Seek up (long press). Manual tune up (short press). See **Station tuning control** (page 216).
- G Audio mode select. See **Audio unit operation** (page 216). See **Auxiliary Power Points** (page 79). See **Auxiliary input jack** (page 226).
- H Scan and auto store.
- I Station preset 6. See **Station preset buttons** (page 217).
- J Station preset 5. See **Station preset buttons** (page 217).
- K Station preset 4. See **Station preset buttons** (page 217).
- L Station preset 3. See **Station preset buttons** (page 217).
- M Station preset 2. See **Station preset buttons** (page 217).
- N Station preset 1. See **Station preset buttons** (page 217).
- O Menu back.

Type 1



E136953

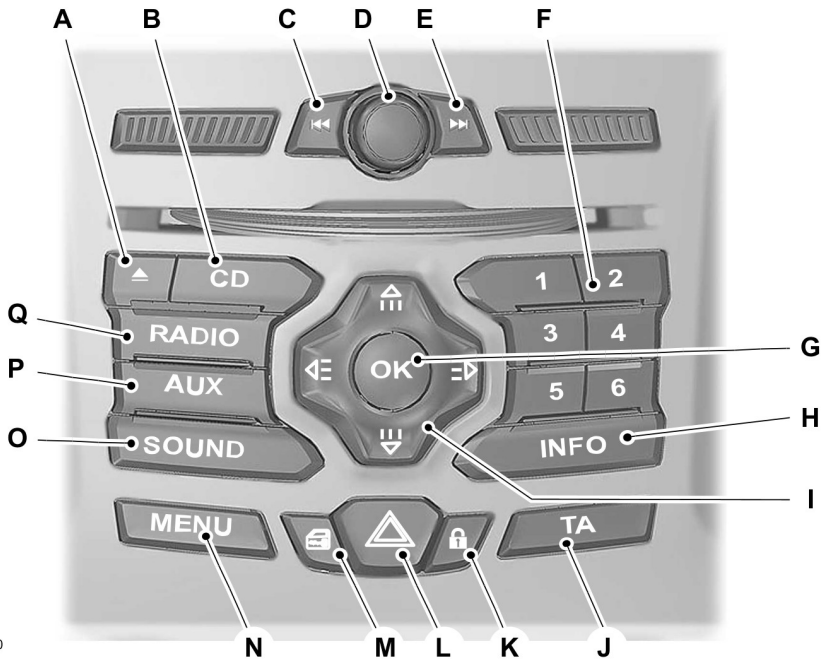
- A CD eject. See **Compact Disc Player** (page 221).
- B Volume/menu control.

Audio unit overview

- C CD Aperture.
- D LCD display.
- E Seek down. CD track select/Fast-rewind. See **Station tuning control** (page 216). See **Track selection** (page 221).
- F Display time/date and RDS information.
- G On/off (long press) and mute (short press).
- H Seek up. CD track select/Fast-forward. See **Station tuning control** (page 216). See **Track selection** (page 221).
- I Radio and waveband select. See **Audio unit operation** (page 216).
- J Scan and auto store.
- K Station preset 6. Shuffle. See **Station preset buttons** (page 217).
- L Station preset 5. Repeat. See **Station preset buttons** (page 217).
- M Station preset 4. Next folder. See **Station preset buttons** (page 217).
- N Station preset 3. Previous folder. See **Station preset buttons** (page 217).
- O Station preset 2. Scroll display. See **Station preset buttons** (page 217).
- P Station preset 1. Menu back. See **Station preset buttons** (page 217).
- Q Select CD/Auxiliary. See **Compact Disc Player** (page 221). See **Auxiliary Power Points** (page 79). See **Auxiliary input jack** (page 226).

Audio unit overview

Type 2



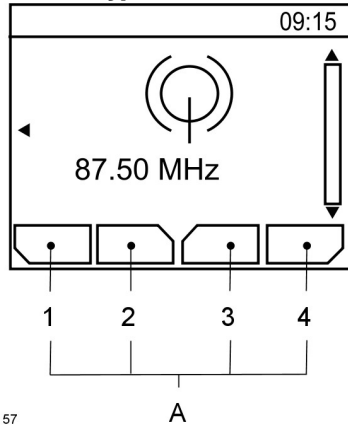
E135350

- A CD eject. See **Compact Disc Player** (page 221).
- B CD select. See **Compact Disc Player** (page 221).
- C Seek down. CD track selection. See **Station tuning control** (page 216). See **Track selection** (page 221).
- D On/off and volume control.
- E Seek up. CD track selection. See **Station tuning control** (page 216). See **Track selection** (page 221).
- F Station presets. See **Station preset buttons** (page 217).
- G Menu select.
- H Information.
- I Navigation arrows.
- J Traffic announcement. See **Traffic information control** (page 218).
- K Door lock indicator.
- L Hazard warning flasher switch.
- M Door lock button. See **Locking and Unlocking** (page 36).

Audio unit overview

- N Menu entry/exit.
- O Sound button. See **Sound button** (page 216).
- P Auxiliary select. See **Auxiliary Power Points** (page 79). See **Auxiliary input jack** (page 226).
- Q Radio and waveband select. See **Audio unit operation** (page 216).

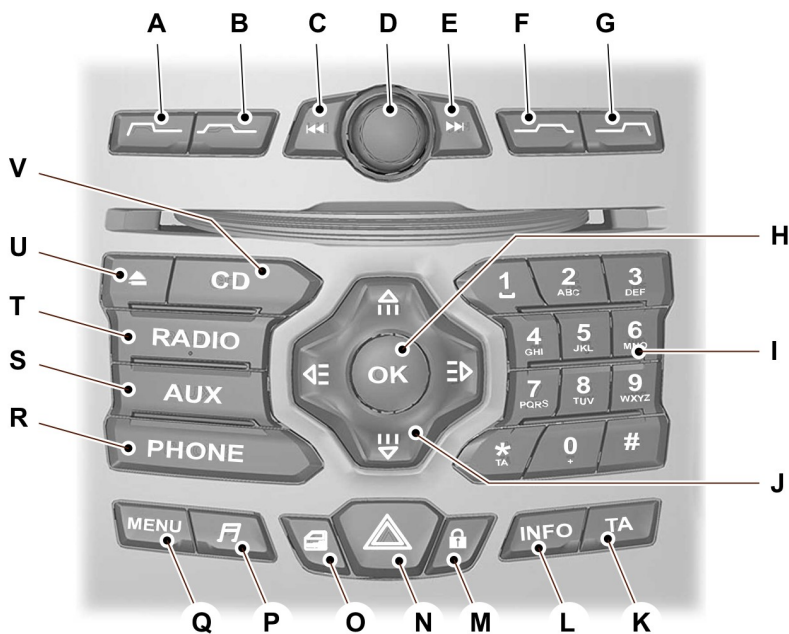
Type 3 and Type 4



E104157

- A Descriptions for function buttons 1-4

Audio unit overview



E135351

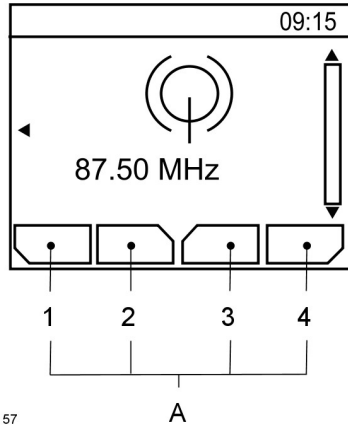
- A Function 1.
- B Function 2.
- C Seek down. CD track selection. See **Station tuning control** (page 216). See **Track selection** (page 221).
- D On/off and volume control.
- E Seek up. CD track selection. See **Station tuning control** (page 216). See **Track selection** (page 221).
- F Function 3.
- G Function 4.
- H Menu select.
- I Telephone keypad and station presets. See **Using the telephone** (page 231). See **Station preset buttons** (page 217).
- J Navigation arrows.
- K Traffic announcement. See **Traffic information control** (page 218).
- L Information.
- M Door lock indicator.
- N Hazard warning flasher switch.
- O Door lock button. See **Locking and Unlocking** (page 36).

Audio unit overview

- P Sound button. See **Sound button** (page 216).
- Q Menu entry/exit.
- R Phone menu. See **Telephone** (page 229).
- S Auxiliary, USB and iPod select. See **Auxiliary Power Points** (page 79). See **Auxiliary input jack** (page 226).
- T Radio and waveband select. See **Audio unit operation** (page 216).
- U CD eject. See **Compact Disc Player** (page 221).
- V CD select. See **Compact Disc Player** (page 221).

Function buttons 1 to 4 are context dependent, and change according to the current unit mode. Descriptions for the functions are shown at the bottom of the screen display.

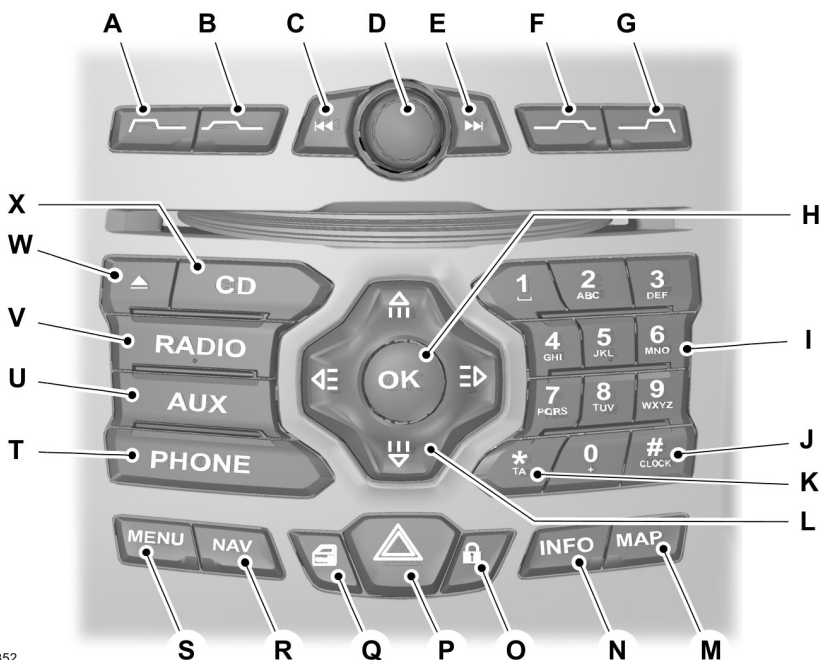
Type 5



E104157

- A Descriptions for function buttons 1-4

Audio unit overview



E135352

- A Function 1.
- B Function 2.
- C Seek down. CD track selection. See **Station tuning control** (page 216). See **Track selection** (page 221).
- D On/off and volume control.
- E Seek up. CD track selection. See **Station tuning control** (page 216). See **Track selection** (page 221).
- F Function 3.
- G Function 4.
- H Menu select.
- I Telephone keypad, station presets and navigation keypad. See **Using the telephone** (page 231). See **Station preset buttons** (page 217). See **Navigation Quick start** (page 193).
- J Clock.
- K Traffic announcement. See **Traffic information control** (page 218).
- L Navigation arrows.
- M Map.
- N Information.
- O Door lock indicator.

Audio unit overview

- P Hazard warning flasher switch.
- Q Door lock button. See **Locking and Unlocking** (page 36).
- R Navigation.
- S Menu entry/exit.
- T Phone menu. See **Telephone** (page 229).
- U Auxiliary, USB and iPod select. See **Auxiliary Power Points** (page 79). See **Auxiliary input jack** (page 226).
- V Radio and waveband select. See **Audio unit operation** (page 216).
- W CD eject. See **Compact Disc Player** (page 221).
- X CD select. See **Compact Disc Player** (page 221).

Function buttons 1 to 4 are context dependent, and change according to the current unit mode. Descriptions for the functions are shown at the bottom of the screen display.

Audio System Security

SECURITY CODE

Each unit incorporates a unique code that is needed to activate the audio system when the vehicle battery has been disconnected and reconnected. The 4 digit code is included in the owner information pack.

If the security code is not available, please see your dealer.

Entering a security code

If 'CODE - - - -', 'CODE 0000' or 'Enter Keycode' appears in the display when you switch on the audio unit, you must enter the Keycode using the station preset buttons.

Type 0, 1 and 2

1. Press button 1 repeatedly until the first digit of your Keycode is shown in the display.
2. Press preset buttons 2, 3 and 4 in the same way for remaining three digits.
3. Make sure that the complete Keycode is correct before pressing preset button 5 to confirm it except 1500RDS press the AM/FM button.

Type 3, 4 and 5

1. Press the numbered button corresponding to the first digit of your Keycode.
2. Press the numbered button corresponding to the second digit of your Keycode. Repeat for digits 3 and 4 in the same way.
3. If you make a mistake entering the code, you may re-enter the digits by continuing to select buttons 0-9. The display will advance from digit position 1 to 4 and then back again.

4. Make sure that the complete Keycode is correct before pressing either the * preset button or the button between the arrow buttons to confirm it.

Audio Unit Clock and Date Displays

SETTING THE CLOCK ON THE AUDIO UNIT

Changing the time

The clock can be set at any time when the system is in the one hour mode or the ignition switch is in the ACC or ON position.

Note: Type 2 and 3: *The time can be adjusted using the hour and minute buttons on the screen.*

To advance the hours, press the HOUR SET button. To advance the minutes, press the MINUTE SET button while the time is flashing.

Note: Type 5: *The time can be adjusted using the clock button on the audio control panel. See **Audio unit overview** (page 205).*

Note: *The time can be adjusted using the navigation arrow buttons on the audio control panel.*

Type 0 and 1

- Press the MENU button.
- Rotate the MENU CONTROL to select the date/time.
- Short press the MENU button to enter date/time.
- Rotate the MENU CONTROL to select the hour set and enter.
- Rotate the MENU CONTROL to adjust the hours.
- Press BACK button to return to previous menu.
- Rotate the MENU CONTROL to select minute set and enter.
- Rotate the MENU CONTROL to adjust minutes.
- Press MENU button to save the new settings.

Type 2, 4 and 5

- Press the MENU button.
- Use the UP and DOWN arrow buttons to select the clock settings.
- Press OK or RIGHT arrow button to enter clock settings.
- Use UP and DOWN arrow button to select the set time.
- Use UP and DOWN arrow buttons to adjust hours.
- Use RIGHT and LEFT arrow buttons to scroll to the minutes.
- Use UP and DOWN arrow buttons to adjust minutes.
- Press OK button to save the new settings

Type 3

- Press the MENU button.
- Use the UP and DOWN arrow buttons to select the clock.
- Press OK or RIGHT arrow button to enter clock menu.
- Use UP and DOWN arrow button to select the set time.
- Use UP and DOWN arrow buttons to adjust hours.
- Use RIGHT and LEFT arrow buttons to scroll to the minutes.
- Use UP and DOWN arrow buttons to adjust minutes.
- Press OK button to save the new settings

Exact hour adjustment

You can set the time to the beginning of an hour using this feature.

- Press the CLOCK button for about two seconds until a beep is heard. The clock's current time will flash.
- Press the CLOCK button again and the time will be adjusted as follows:

Audio Unit Clock and Date Displays

Example

- current set time between 12:01 and 12:29 will change to 12:00 exactly
- current set time between 12:30 and 12:59 will change to 1:00 exactly.

Note: *If the power supply to the unit is interrupted (if the fuse blows or the vehicle's battery is disconnected), the clock will need to be reset.*

Audio unit operation

ON/OFF CONTROL

Press the on/off control. This will also operate the unit for up to one hour with the ignition turned off.

The radio will switch off automatically after one hour.

SOUND BUTTON

This will allow you to adjust the sound settings (for example bass and treble).

1. Press the sound button.
2. Use the up and down arrow buttons to select the required setting.
3. Use the left and right arrow buttons to make the necessary adjustment. The display indicates the level selected.
4. Press the **OK** button to confirm the new settings.

WAVEBAND BUTTON

Press the RADIO button to select from the wavebands available.

The selector can also be used to return to radio reception when you have been listening to another source.

Alternatively, press the left arrow button to display the available wavebands. Scroll to the required waveband and press OK.

STATION TUNING CONTROL

Seek tuning

Select a waveband and briefly press one of the seek buttons. The unit will stop at the first station it finds in the direction you have chosen.

Manual tuning

Type 0 and 1

1. Make sure FM/AM mode is active and then MANUAL TUNE.
2. Use the seek buttons to tune down or up the waveband in small increments or press and hold to increment quickly, until you find a station you want to listen to.

Type 2

1. Press the MENU button.
2. Select RADIO mode and then MANUAL TUNE.
3. Use the left and right arrow buttons to tune down or up the waveband in small increments or press and hold to increment quickly, until you find a station you want to listen to.
4. Press OK to continue listening to a station.

Type 3, 4 and 5

1. Press function button 2.
2. Use the left and right arrow buttons to tune down or up the waveband in small increments or press and hold to increment quickly, until you find a station you want to listen to.
3. Press OK to continue listening to a station.

Scan tuning

Scan allows you to listen to 8 seconds of each station detected.

Type 0 and 1

1. Press the FM/AM button.
2. Short press the SCAN/AS button, the radio will automatically scan up the selected waveband.

Audio unit operation

3. Short press the SCAN/AS button again to continue listening to a station.

Type 2

1. Press the MENU button.
2. Select RADIO mode and then SCAN.
3. Use the seek buttons to scan up or down the selected waveband.
4. Press OK to continue listening to a station.

Type 3, 4 and 5

1. Press function button 3.
2. Use the seek buttons to scan up or down the selected waveband.
3. Press function button 3 again or OK to continue listening to a station.

STATION PRESET BUTTONS

This feature allows you to store your favorite stations so that they can be recalled by selecting the appropriate waveband and pressing one of the preset buttons.

Type 0 and 1

1. Select a waveband.
2. Tune to the station required.
3. Press and hold one of the preset buttons until you hear a beep. When the station has been stored, the preset number along with the station name or frequency is displayed for confirmation.

Type 2, 3, 4 and 5

1. Select a waveband.
2. Tune to the station required.

3. Press and hold one of the preset buttons. A progress bar and message will appear. When the progress bar completes the station has been stored. The audio unit will also mute momentarily as confirmation.

This can be repeated on each waveband and for each preset button.

Note: *When you drive to another part of the country, FM stations that broadcast on alternative frequencies, and are stored on preset buttons, may be updated with the correct frequency and station name for that area.*

AUTOSTORE CONTROL

Note: *This will store the strongest signals available, either from the AM or the FM waveband, and overwrite the previously stored stations. It can also be used to store stations manually in the same way as other wavebands.*

Type 0 and 1

1. In RADIO mode, long press the SCAN/AS button.
2. When the search is complete, sound is restored and the strongest 6 stations are stored on the Autostore presets.

Type 2, 3, 4 and 5

1. Press and hold function button 1 or the RADIO button.
2. When the search is complete, sound is restored and the strongest 10 stations are stored on the Autostore presets.

Audio unit operation

TRAFFIC INFORMATION CONTROL

Many stations that broadcast on the FM waveband have a TP code to signify that they carry traffic program information.

Activating traffic announcements

Before you can receive traffic announcements, you must press either the TA or TRAFFIC button. A 'TA' display will appear to show the feature is switched on.

If you are already tuned to a station that broadcasts traffic information, 'TP' will also be displayed. Otherwise the unit will search for a traffic program.

When traffic information is broadcast, it will automatically interrupt normal radio or CD playback and 'Traffic announcement (TA)' will appear in the display.

If a non-traffic station is selected or recalled using a preset button, the audio unit will remain on that station unless TA or TRAFFIC is turned off, then on again.

Note: *If TA is on and you select a preset or manual tune to a non TA station no traffic announcement will be heard.*

Note: *When you are listening to a non TA station and turn TA off and on again a TP seek will occur.*

Traffic announcement volume

Traffic announcements interrupt normal broadcasts at a preset minimum level that is usually louder than normal listening volumes.

To adjust the preset volume:

- Use the volume control to make the necessary adjustment during an incoming TA broadcast. The display will show the level selected.

Ending traffic announcements

The audio unit will return to normal operation at the end of each traffic announcement. To end the announcement prematurely, press TA or TRAFFIC during the announcement.

Note: *If you press TA or TRAFFIC at any other time it will switch all announcements off.*

Audio unit menus

AUTOMATIC VOLUME CONTROL

When available, automatic volume control (AVC) adjusts the volume level to compensate for engine noise and road speed noise.

1. Press the MENU button and select AUDIO.
2. Select AVC LEVEL or ADAPTIVE VOL.
3. Use the left or right arrow button to adjust the setting.
4. Press the OK button to confirm your selection.
5. Press the MENU button to return.

DIGITAL SIGNAL PROCESSING (DSP)

DSP occupancy

This feature takes into account the differences in distance from the various speakers in the vehicle to each seat. Select the sitting position for which the audio is to be correctly enhanced.

DSP equalizer

Select the music category that most suits your listening preference. The audio output will change to enhance the particular style of music chosen.

Changing the DSP settings

1. Press the MENU button.
2. Select AUDIO or AUDIO SETTINGS.
3. Scroll to the required DSP function.
4. Use the up and down arrow buttons to select the required setting.
5. Press the OK button to confirm your selection.
6. Press the MENU button to return.

NEWS BROADCASTS

Some audio units interrupt normal reception to broadcast news bulletins from stations on the FM waveband or radio data system (RDS) and enhanced other network (EON) linked stations, in the same way as traffic information is provided.

During news broadcasts, the display will indicate there is an incoming announcement. News interrupts are broadcast at the same preset volume level as traffic announcements.

1. Press the MENU button.
2. Select AUDIO or AUDIO SETTINGS.
3. Scroll to NEWS and turn on or off with the OK button.
4. Press the MENU button to return.

ALTERNATIVE FREQUENCIES

Many programs that broadcast on the FM waveband have a program identification (PI) code, which can be recognized by audio units.

If your radio has alternative frequencies (AF) tuning switched on and you move from one transmission area to another, this facility will search for and switch to a stronger station signal, if one can be found.

Under certain conditions, however, AF tuning may temporarily disrupt normal reception.

When selected, the unit continually evaluates signal strength and, if a better signal becomes available, the unit will switch to that alternative. It mutes while it checks a list of alternative frequencies and, if necessary, it will search once across the selected waveband for a genuine alternative frequency.

Audio unit menus

It will restore radio reception when it finds one or, if one is not found, the unit will return to the original stored frequency.

When selected, 'AF' will be shown in the display.

1. Press the MENU button.
2. Select AUDIO or AUDIO MENU.
3. Scroll to ALTERNAT FREQ. or ALTERNATIVE FREQ. and turn on or off with the OK button.
4. Press the MENU button to return.

REGIONAL MODE (REG)

Regional mode (REG) controls the behavior of AF switching between regionally related networks of a parent broadcaster. A broadcaster may run a fairly large network across a large part of the country. At various times of the day this large network may be broken down into a number of smaller regional networks, typically centered on major towns or cities. When the network is not split into regional variants, the whole network carries the same programming.

Regional mode ON: This prevents 'random' AF switches when neighboring regional networks are not carrying the same programming.

Regional mode OFF: This allows a larger coverage area if neighboring regional networks are carrying the same programming, but can cause 'random' AF switches if they are not.

1. Press the MENU button.
2. Select AUDIO or AUDIO SETTINGS.
3. Scroll to RDS REGIONAL and turn on or off with the OK button.
4. Press the MENU button to return.

Compact Disc Player

COMPACT DISC PLAYBACK

Note: *During playback, the display indicates the disc, track and time that has elapsed since the start of the track.*

During radio reception, press the CD button once to start CD playback.

Playback will start immediately after a disc is loaded.

TRACK SELECTION

- Press the seek up button once to move to the next track or press it repeatedly to access later tracks.
- Press the seek down button once to replay the current track. If pressed within two seconds of the start of a track, the previous track will be selected.
- Press the seek down button repeatedly to select previous tracks.

Type 2, 3, 4 and 5

- Press the up or down arrow buttons, and using the OK button, select the required track.

Type 3, 4 and 5

The desired track number may be entered using the numeric keypad. Dial the required track number until complete (for example 1 then 2 for track 12), or dial the number and directly press OK.

FAST FORWARD/REVERSE

Press and hold the seek down or up buttons to search backwards or forwards within the tracks on the disc.

SHUFFLE/RANDOM

Random track playback, also known as shuffle, plays all tracks on the CD in random order.

Type 1

1. Press the SHUFFLE button in CD mode.

When an MP3 CD is playing, options include SHUFFLE for the whole CD, or to play all the tracks in the folder in a random order.

Type 2

1. Press the MENU button and select CD MODE.
2. Select SHUFFLE, which then enables the function to be selected on or off.

When an MP3 CD is playing, options include SHUFFLE for the whole CD, or to play all the tracks in the folder in a random order.

Type 3, 4 and 5

Press function button 2.

Note: *When an MP3 CD is playing, options include SHUFFLE for the whole CD, or to play all the tracks in the folder in a random order. Repeat presses of function button 2 will toggle these options.*

Use the seek up or down button to select the next track to shuffle if required.

REPEAT COMPACT DISC TRACKS

Type 1

1. Press REPEAT button in CD mode.

When an MP3 CD is playing, options include REPEAT for the track, or to repeat all the tracks in the folder.

Compact Disc Player

Type 2

1. Press the MENU button and select CD MODE.
2. Select REPEAT, which then enables the function to be selected on or off. The track will replay once ended.

When an MP3 CD is playing, options include REPEAT for the track, or to repeat all the tracks in the folder.

Type 3, 4 and 5

Press function button 1.

When an MP3 CD is playing, options include REPEAT for the track, or to repeat all the tracks in the folder. Repeat presses of function button 1 will toggle these options.

COMPACT DISC TRACK SCANNING

The SCAN function allows you to preview each track for approximately 8 seconds.

Type 1

1. Press CD/AUX to select CD MODE.
2. Short press SCAN/AS button to activate CD scanning.
3. Short press the SCAN/AS button again to continue listening to a track.

Type 2

Various scan modes are possible, according to the type of CD currently playing.

1. Press the MENU button and select CD MODE.
2. Select SCAN, which then enables the function to be selected on or off.

Note: When an MP3 CD is playing, options include SCAN for the CD, or just the tracks in the folder.

3. Press the OK button to stop the scan mode.

Type 3, 4 and 5

1. Press function button 3.

Note: When an MP3 CD is playing, options include SCAN for the CD, or just the tracks in the folder. Repeat presses of function button 3 will toggle these options.

2. Press function button 3 again to stop the scan mode.

MP3 FILE PLAYBACK

MP3 (MPEG1 Audio Layer-3) is a standard technology and format for compressing audio data. This allows a more efficient use of the media.

You can play MP3 files recorded on CD-ROMs, CD-Rs, and CD-RWs. The disc must be in the ISO 9660 level 1 or level 2 format, or Joliet or Romeo in the expansion format. You can also use a disc recorded in Multi Session.

ISO 9660 format

This is the most common international standard for the logical format of files and folders on a CD-ROM.

There are several specification levels. In Level 1, file names must be in the 8.3 format (no more than 8 characters in the name, no more than 3 characters in the extension ".MP3") and in capital letters.

Folder names can be no longer than 8 characters. There can be no more than 8 folder levels (trees). Level 2 specifications allow file names up to 31 characters long.

Each folder can have up to 8 trees.

Compact Disc Player

For Joliet or Romeo in the expansion format, please consider these restrictions when configuring your CD writing software.

Multi session

This is a recording method that enables adding of data using the Track-At-Once method.

Conventional CDs begin at a CD control area called the Lead-in and end at an area called Lead-out. A Multi Session CD is a CD having multiple sessions, with each segment from Lead-in to Lead-out regarded as a single session.

- CD-Extra: The format that records audio (audio CD data) as tracks on session 1, and records data as tracks on session 2.
- Mixed CD: In this format, data is recorded as track 1, and audio (audio CD data) is recorded as track 2.

File formats

- With formats other than ISO 9660 level 1 and level 2, folder names or file names may not be displayed correctly.
- When naming, be sure to add the file extension “.MP3” to the file name.
- If you put the extension “.MP3” to a file other than MP3, the unit cannot recognize the file properly and will generate random noise that could damage your speakers.
- The following discs take a longer time to start playback.
 - a disc recorded with complicated tree structure.
 - a disc recorded in Multi Session.
 - a non-finalized disc to which data can be added.

Playing a multi session disc

When the first track of the first session is audio CD data

Only audio CD data of the first session is played back. Non-audio CD data/MP3 file information (track number, time, etc.) is displayed with no sound.

When the first track of the first session is not audio CD data

- If an MP3 file is in the disc, only MP3 file(s) play back and other data is skipped. (Audio CD data is not recognized.)
- If no MP3 file is in the disc, nothing is played back. (Audio CD data is not recognized.)

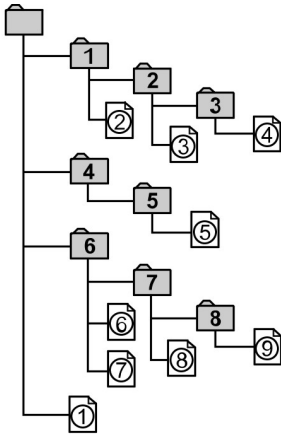
MP3 files playback order

The playback order of the folders and files is as shown.

Note: A folder that does not include an MP3 file is skipped.

Playback tip: To specify a desired playback order, before the folder or file name, input the order by number (e.g., “01,” “02”), then record contents onto a disc. (The order differs depending on the writing software.)

Compact Disc Player



E104206

ID3 Tag Version 2

The following occurs when an MP3 file containing ID3 tag ver.2 is played:

- When skipping a portion of ID3 tag ver.2 (at the beginning of the track), sound is not output. Skip time changes depending ID3 tag ver.2 capacity. Example: At 64 kbytes, it is about 2 seconds (with RealJukebox).
- The displayed elapsed playing time when skipping a portion of ID3 tag ver.2 is inaccurate. For MP3 files of a bit rate other than 128 kbps, time is not displayed accurately during playback.
- When an MP3 file is created with MP3 conversion software (e.g. RealJukebox - a registered trademark of RealNetworks Inc), ID3 ver.2 will automatically be written.

MP3 navigation

MP3 tracks may be recorded on the CD in several ways. They can all be placed in the root directory like a conventional audio CD, or they can be placed in folders that may represent, for example, an album, an artist, or a genre.

The normal playing sequence on CDs with multiple folders is to play the tracks within the root (top level) first, then the tracks in any folder(s) within the root, then move onto the second folder, and so forth.

- Press the up or down arrow buttons to enter the track list.
- Navigate the hierarchy using the arrow buttons to select another folder or track (file).
- Press OK to select a highlighted track.

MP3 DISPLAY OPTIONS

Note: *Type 1 units may require repeated button presses of the INFO button to display all the available track information.*

When an MP3 disc is playing, certain information encoded in each track can be displayed. Such information will normally include:

- The file name
- The folder name
- ID3 information which might be the album or artist's name

The unit will normally show the file name that is playing. To select one of the other items of information:

- Press the INFO button.

CD text display options

When an audio disc with CD text is playing, limited information encoded in each track can be displayed. Such information will normally include:

Compact Disc Player

- The disc name
- The artist name
- The track name

These display options are selected in the same way as MP3 displays.

ENDING COMPACT DISC PLAYBACK

To restore radio reception on all units:

- Press the RADIO button.

Note: *This will not eject the CD; the disc will merely pause at the point where radio reception was restored.*

To resume CD playback, press the CD button again.

Auxiliary input jack

Note: *For optimum performance when using any auxiliary device set the volume on the device high. This will reduce audio interference when charging the device via the vehicle power supply socket.*

When fitted the Auxiliary input (AUX IN) socket permits an auxiliary device, such as an MP3 player, to be linked into the vehicle audio system. Output can be played through the vehicle speakers.

To connect an auxiliary device, plug it into the AUX IN socket using a 3.5 mm conventional audio jack connector.

Select the auxiliary input via the AUX or MENU button and playback will be heard through the vehicle speakers. LINE IN or LINE IN ACTIVE will appear in the vehicle audio unit display. Volume, treble and bass can be adjusted on the vehicle audio unit as normal.


The vehicle audio unit buttons can also be used to restore playback from the vehicle audio unit, while the auxiliary device remains connected.

Audio system care

ANTENNA

The radio aerial is mounted on the roof of the vehicle above the interior rear view mirror. It is fixed and cannot be raised and lowered, however the assembly can be removed by unscrewing from the base.

CAUTION

 To prevent damage to the aerial, remove it before entering a car wash or passing beneath a low overhead clearance.

Audio Troubleshooting

AUDIO TROUBLESHOOTING

Audio unit display	Rectification
PLEASE CHECK CD	General error message for CD fault conditions, such as cannot read the CD, data-CD inserted, etc. Ensure disc is loaded correct way up. Clean and re-try, or replace disc with known music disc. If error persists contact your dealer.
CD DRIVE MALFUNCTION	General error message for CD fault conditions such as possible mechanism fault.
CD DRIVE HIGH TEMP	Ambient temperature too hot – unit will not work until it has cooled down.
IPOD ERROR READING DEVICE	General error message for iPod fault conditions, such as cannot read the data. Ensure iPod is inserted correctly. If error persists contact your dealer.

Telephone

GENERAL INFORMATION

CAUTION


 Using the system with the engine off will drain the battery.

This section describes the functions and features of the Bluetooth cell phone hands free system.

The Bluetooth cell phone part of the system provides interaction with the audio or navigation system and your cell phone. It allows you to use the audio or navigation system to make and receive calls without having to hold your cell phone.

Compatibility of phones

CAUTION

 As no common agreement exists, cell phone manufacturers are able to implement a variety of profiles in their Bluetooth devices. Because of this, an incompatibility can occur between the phone and hands-free system, which in some cases may significantly degrade the system performance. To avoid this situation, only recommended phones should be used.

Please visit the website www.ford-mobile-connectivity.com for full details.

TELEPHONE SETUP

Phonebook

After start up access to the phonebook list can be delayed for several minutes, depending upon the size.

Phonebook categories

Depending on your phonebook entry, different categories can be displayed in the audio unit.

For example:

M	Mobile
O	Office
H	Home
F	Fax

Note: *Entries may be displayed without a category attachment.*

The category can also be indicated as an icon:



Making a phone an active phone

When using the system for the first time, no phone is connected to the system.

Bluetooth phone

After bonding a Bluetooth phone to the system, this becomes the active phone. For further information refer to the phone menu.

Select the phone from the active phone menu.

Turning the ignition and radio or navigation unit back on again, the last active phone is picked up by the system.

Telephone

Note: *In some cases the Bluetooth connection must also be confirmed on the phone.*

Bond another Bluetooth phone

Bond a new Bluetooth phone as described in the requirements for a Bluetooth connection.

Phones stored in the system are accessible by using the phone list on the audio unit.

Note: *A maximum of six devices may be bonded. If six Bluetooth devices have already been bonded, one of these has to be debonded in order to bond a new device.*

BLUETOOTH SETUP

Before you can use your telephone with your vehicle it must be bonded to the vehicle telephone system.

Handling of phones

Up to six Bluetooth devices can be bonded to the vehicle system.

Note: *If there is an ongoing call when the phone in use is selected as the new active phone, the call is transferred to the vehicle audio system.*

Note: *Even if connected to the car system, your phone can still be used in the usual way.*

Requirements for Bluetooth connection

The following are required before a Bluetooth phone connection can be made.

1. The Bluetooth feature must be activated on the phone and on the audio unit. Make sure the Bluetooth menu option in the audio unit is set to **ON**. For information on phone settings, refer to your phone user guide.
2. In the Bluetooth menu on your phone, search for **Ford Audio** and select it.
3. Enter the code number shown on the vehicle display using the phone keypad. If no code number is shown on the display, enter the Bluetooth PIN number 0000 using the phone keypad. Now enter the Bluetooth PIN number shown on the vehicle display.
4. If your cell phone asks you to authorize the automatic connection, select **YES**.

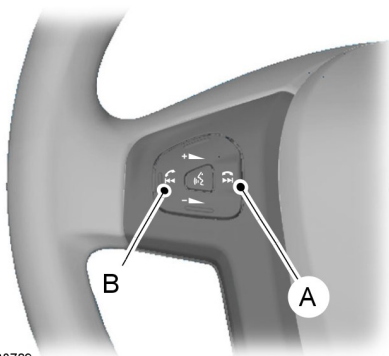
Note: *A phone call will be disconnected if the audio unit is switched off. If the ignition key is turned to the off position the phone call will remain in progress.*

Telephone

TELEPHONE CONTROLS

Remote control

Accept and reject call button



E138709

- A Reject call
- B Accept call

Incoming calls can be accepted by pressing the answer call button once. Press the reject call button to end the call or to reject the incoming call.

USING THE TELEPHONE

Note: You can exit the phone menu by pressing any source button **CD**, **RADIO** or **AUX**.

Note: When referred to, the use of the seek up and seek down buttons can be used on either the steering wheel or the audio unit.

This chapter describes the phone functions of the audio unit.

An active phone must be present.

Even if connected to the audio unit, your phone can still be used in the usual way.

Making a call

Dialing a number using voice control

Phone numbers can be dialed using voice control. See **Telephone commands** (page 243).

Dialing a number using the address book

You can access your phone address book via Bluetooth. The entries will appear in the unit display.

1. Press the **PHONE** button.
2. Press the up/down arrow buttons until **PHONEBOOK** is shown.
3. Press the **OK** button.

Note: You can also use the telephone keypad to select the first letter of the entry you are looking for. Press the relevant number that corresponds to the letter repeatedly until the required letter is displayed.

4. Press the up/down arrow buttons to select the desired phone number.

Note: Press and hold the up/down arrow buttons to search forwards or backwards within the phonebook.

5. Press the **OK** button to dial the selected phone number.

Dialing a number using the telephone keypad

If you have an audio unit with a telephone keypad (buttons 0-9, * and #):

1. Press the **PHONE** button.
2. Press the up/down arrow buttons until **DIAL NUMBER** is shown.
3. Press the **OK** button.
4. Dial the number using the telephone keypad on the audio unit.
5. Press the **OK** button.

Telephone

Note: *If you enter an incorrect digit whilst entering a phone number, press function button 3 to erase the last digit. A long press will erase the complete string of digits.*

Press and hold 0 to enter a + digit.

Ending a call

Calls can be ended by:

- Pressing the reject call button.
- Pressing the **OK** button.
- Pressing function button 4.

Redialing a number

1. Press the **PHONE** or the answer call button.
2. Press the up/down arrow buttons until **CALL LISTS** is displayed.
3. Press the **OK** button.

Note: *If the active phone does not provide a call out list, the last outgoing call number/entry can be redialed.*

4. Press the up/down buttons to select the desired call list.
5. Press the **OK** button.
6. Press the up/down buttons to select the desired phone number.
7. Press the **OK** button.

Redialing the last dialed number

1. Press the **PHONE** or the answer call button.
2. Press the up/down arrow buttons until **REDIAL** is displayed.
3. Press the **OK** button.

Receiving an incoming call

Accepting an incoming call

Incoming calls can be accepted by pressing the answer call button, or by pressing the **OK** button.

Rejecting an incoming call

Incoming calls can be rejected by:

- Pressing the reject call button, or
- Pressing the arrow down button to highlight **REJECT** and then pressing the **OK** button.

Receiving a second incoming call

Note: *The second incoming call function must be activated in your phone.*

If there is an incoming call whilst there is an ongoing call, a beep will be heard and you will have the option to end the active call and to accept the incoming call.

Accepting a second incoming call

Note: *The first incoming call will be disconnected and replaced by the second incoming call.*

Second incoming calls can be accepted by pressing the answer call button on the steering wheel, the **PHONE** button, or by pressing the **OK** button on the audio unit.

Rejecting a second incoming call

Second incoming calls can be rejected by:

- Pressing the reject call button.
- Pressing the arrow down button to highlight **REJECT** and then pressing the **OK** button.
- Pressing function button 4.

Muting the microphone

Note: *During a call, it is possible to mute the microphone. Whilst muted, confirmation will appear in the display.*

Press function button 1. Press the button once again to turn this function off.

Changing the active phone

Note: *Phones must be bonded to the system before they can be made active.*

Telephone

Note: *After bonding a phone to the system, this becomes the active phone.*

1. Press the **PHONE** button.
2. Press the up/down buttons until **SELECT PHONE** is shown.
3. Press the **OK** button.
4. Scroll through the different stored phones by using the up/down buttons to display the bonded phones.
5. Press the **OK** button to select the phone which is to be the active phone.

Debonding a bonded phone


A bonded phone can be deleted from the system at any time, unless a phone call is in progress.

1. Press the **PHONE** button.
2. Press the up/down buttons until **SELECT PHONE** is shown.
3. Press the **OK** button.
4. Press the up/down buttons to highlight the required phone.
5. Press function button 1.

Voice control

PRINCIPLE OF OPERATION

CAUTION

 Using the system with the engine off will drain the battery.

Voice recognition enables operation of the system without the need to divert your attention from the road ahead in order to change settings, or receive feedback from the system.

Whenever you issue one of the defined commands with the system active, the voice recognition system converts your command into a control signal for the system. Your inputs take the form of dialogues or commands. You are guided through these dialogues by announcements or questions.

Please familiarize yourself with the functions of the system before using voice recognition.

Supported commands

The voice control system allows you to control the following vehicle functions:

- Bluetooth phone
- radio
- CD Player
- external device (USB)
- external device (iPod)
- external device (Line in)
- external device (Bluetooth)
- automatic climate control

System response

As you work through a voice session the system will prompt you with a beep tone each time the system is ready to proceed.

Do not try to give any commands until the beep tone has been heard. The voice control system will repeat each spoken command back to you.

If you are not sure how to continue say "HELP" for assistance or "CANCEL" if you do not wish to continue.

The "HELP" function provides only a subset of the available commands. Detailed explanations of all possible voice commands can be found on the following pages.

Voice commands

All voice commands should be given using a natural speaking voice, as if speaking to a passenger or on the phone. Your voice level should be dependant on the surrounding noise level inside or outside the vehicle but do not shout.

USING VOICE CONTROL

System operation

The order and content of the voice controls are given in the following lists. The tables show the sequence of user voice commands and system responses for each available function.

<> indicates a number or stored name tag to be inserted by the user.

Short cuts

There are a number of voice command short cuts available, which allow you to control some vehicle features without having to follow the complete command menu. These are:

- phone: "MOBILE NAME", "DIAL NUMBER", "DIAL NAME", and "REDIAL"
- CD player/CD changer: "DISC" and "TRACK"

Voice control

- automatic climate control: "TEMPERATURE", "AUTO MODE", "DEFROSTING/DEMISTING ON" and "DEFROSTING/DEMISTING OFF"
- radio: "TUNE NAME"
- external device (USB): "TRACK"
- external device (iPod): "TRACK"
- Store up to 20 name tags per function.
- The average recording time for each name tag is approximately 2-3 seconds.

AUDIO UNIT COMMANDS

CD Player

You can control playback directly by voice control.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

Start communicating with the system

Before you can start talking to the system you first have to press the **VOICE** button for each operation and wait until the system answers with a beep. See **Voice Control** (page 40).

Press the button again to cancel the voice session.

Name tag

The name tag functionality can support the phone, audio and navigation features by using the "STORE NAME" function. You can assign name tags to items such as favorite radio stations and personal phone contacts. See **Audio unit commands** (page 235). See **Telephone commands** (page 243).

"CD PLAYER"
"HELP"
"PLAY"
"TRACK"*
"SHUFFLE ALL"
"SHUFFLE FOLDER"**
"SHUFFLE OFF"
"REPEAT FOLDER"***

Voice control

"CD PLAYER"
"REPEAT TRACK"
"REPEAT OFF"

* Can be used as a shortcut.

** Only available if the CD contains audio data files like MP3 or WMA.

Track

You can choose a track on your CD directly.

Steps	User says	System answer
1	"CD PLAYER"	"CD PLAYER"
2	"TRACK"	"TRACK NUMBER PLEASE"
3	"<a number between 1 and 99>"**	"TRACK <number>"

* Can be used as a shortcut.

** Additionally, numbers can be spoken as up to four single digits (for example "2", "4", "5" for track 245)

Shuffle all

To set random playback.

Steps	User says	System answer
1	"CD PLAYER"	"CD PLAYER"
2	"SHUFFLE ALL"	

Radio

The radio voice commands support the functionality of the radio and allow you to tune radio stations by voice control.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu.

Voice control

"RADIO"
"HELP"
"AM"
"FM"
"TUNE NAME"*
"DELETE NAME"
"DELETE DIRECTORY"
"PLAY DIRECTORY"
"STORE NAME"
"PLAY"

* Can be used as a shortcut.

Tune frequency

This function allows you to tune your radio by voice commands.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"AM"	"AM FREQUENCY PLEASE"
	"FM"	"FM FREQUENCY PLEASE"
3	"<frequency>"*	"TUNE <frequency>"

* The frequency may be entered in a variety of ways. Refer below for representative examples.

FM band: 87.5 - 108.0 in increments of 0.1

- "Eighty nine point nine" (89.9)
- "Ninety" (90.0)
- "One hundred point five" (100.5)
- "One zero one point one" (101.1)
- "One zero eight" (108.0)

AM/MW band: 531 - 1602 in increments of 9

AM/LW band: 153 - 281 in increments of 1

- "Five thirty one" (531)
- "Nine hundred" (900)
- "Fourteen forty" (1440)

Voice control

- "Fifteen zero three" (1503)
- "Ten eighty" (1080)

Store name

If you have tuned a radio station, you can store it with a name in the directory.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"STORE NAME"	"STORE NAME" "NAME PLEASE"
3	"<name>"	"REPEAT NAME PLEASE"
4	"<name>"	"STORING NAME" "<name> STORED"

Tune name

This function allows you to call up a stored radio station.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"TUNE NAME"*	"NAME PLEASE"
3	"<name>"	"TUNE <name>"

* Can be used as a shortcut.

Delete name

This function allows you to delete a stored radio station.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"DELETE NAME"	"NAME PLEASE"
3	"<name>"	"DELETE <name>" "CONFIRM YES OR NO"
4	"YES"	"DELETED"
	"NO"	"COMMAND CANCELLED"

Voice control

Play directory

This function allows you to let the system tell you all of the stored radio stations.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"PLAY DIRECTORY"	"PLAY <DIRECTORY>"

Delete directory

This function allows you to delete all stored radio stations at once.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"DELETE DIRECTORY"	"DELETE DIRECTORY" "CONFIRM YES OR NO"
3	"YES"	"RADIO DIRECTORY DELETED"
	"NO"	"COMMAND CANCELLED"

Play

This function switches the audio source to the radio mode.

Steps	User says	System answer
1	"RADIO"	"RADIO"
2	"PLAY"	

Auxiliary input

This function allows you to switch the audio source to the attached auxiliary input device.

Steps	User says	System answer
1	"EXTERNAL DEVICE"	"EXTERNAL DEVICE"
2	"LINE IN"	"LINE IN"

Voice control

External devices - USB

These voice commands support the functionality of an external USB device which may be connected to the audio unit.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"EXTERNAL DEVICE", "USB"
"HELP"
"PLAY"
"TRACK"*
"PLAYLIST"**
"FOLDER"**
"SHUFFLE ALL"
"SHUFFLE FOLDER"
"SHUFFLE PLAYLIST"
"SHUFFLE OFF"
"REPEAT TRACK"
"REPEAT FOLDER"
"REPEAT OFF"

* Can be used as a shortcut.

** Playlists and folders activated by voice control must be assigned special filenames.

USB play

This function allows you to switch the audio source to the attached USB device.

Steps	User says	System answer
1	"EXTERNAL DEVICE"	"EXTERNAL DEVICE"
2	"USB"	"USB"
3	"PLAY"	

Voice control

USB Track

You can choose a track on your USB device directly.

Steps	User says	System answer
1	"EXTERNAL DEVICE"	"EXTERNAL DEVICE"
2	"USB"	"USB"
3	"TRACK"	"TRACK NUMBER PLEASE"
4	"<a number between 1 and 99>"	"TRACK <number>"

* Additionally, numbers can be spoken as up to four single digits (for example "2", "4", "5" for track 245)

External devices - iPod

These voice commands support the functionality of an iPod which may be connected to the audio unit.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"EXTERNAL DEVICE", "IPOD"
"HELP"
"PLAY"
"TRACK"*
"PLAYLIST"**
"SHUFFLE ALL"
"SHUFFLE PLAYLIST"
"SHUFFLE OFF"
"REPEAT TRACK"
"REPEAT OFF"

* Can be used as a shortcut.

** Playlists activated by voice control must be assigned special filenames.

Voice control

iPod Track

You can choose a track off the all titles list of your iPod directly.

Steps	User says	System answer
1	"EXTERNAL DEVICE"	"EXTERNAL DEVICE"
2	"IPOD"	"IPOD"
3	"TRACK"*	"TRACK NUMBER PLEASE"
4	"<a number between 1 and 99>"**	"TRACK <number>"

* Can be used as a shortcut.

** Additionally, numbers can be spoken as up to five single digits (for example "5", "2", "4", "5", "3" for track 52453), to a limit of 65535.

iPod playlist

You can choose a playlist from your iPod directly.

Steps	User says	System answer
1	"EXTERNAL DEVICE"	"EXTERNAL DEVICE"
2	"IPOD"	"IPOD"
3	"PLAYLIST"*	"PLAYLIST NUMBER PLEASE"
4	"<a number between 1 and 10>"	"PLAYLIST <number>"

* Playlists activated by voice control must be assigned special filenames.

External devices - Bluetooth

These voice commands support the functionality of Bluetooth which may be connected to the audio unit.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

Voice control

"EXTERNAL DEVICE", "BLUETOOTH"
"HELP"
"PLAY"
"SHUFFLE ALL"
"SHUFFLE OFF"
"REPEAT TRACK"
"REPEAT OFF"

TELEPHONE COMMANDS

Phone

Your phone system allows you to create an additional phonebook. The stored entries can be dialed by voice control. Phone numbers stored by using voice control are stored on the vehicle system and not in your phone.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"PHONE"
"HELP"
"MOBILE NAME"*
"DIAL NUMBER"*
"DIAL NAME"*
"DELETE NAME"
"DELETE DIRECTORY"
"PLAY DIRECTORY"
"STORE NAME"
"REDIAL"*

Voice control

"PHONE"
"ACCEPT CALLS"
"REJECT CALLS"

* Can be used as a shortcut.

Phone functions

Dial number

Phone numbers can be dialed after giving the name tag voice command.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"DIAL NUMBER"*	"NUMBER PLEASE"
3	"<phone number>"	"<phone number> CONTINUE?"
4	"DIAL"	"DIALLING"
	"CORRECTION"	"<repeat last part of number> CONTINUE?"

* Can be used as a shortcut.

Dial name

Phone numbers can be dialed after giving the name tag voice command.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"DIAL NAME"*	"NAME PLEASE"
3	"<name>"	"DIAL <name>" "CONFIRM YES OR NO"
4	"YES"	"DIALLING"
	"NO"	"COMMAND CANCELLED"

* Can be used as a shortcut.

Voice control

Redial

This function allows you to redial the last dialed phone number.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"REDIAL"*	"REDIAL" "CONFIRM YES OR NO"
3	"YES"	"DIALLING"
	"NO"	"COMMAND CANCELLED"

* Can be used as a shortcut.

Mobile name

This function allows you to access phone numbers stored with a name tag in your mobile phone.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"MOBILE NAME"*	"MOBILE NAME" "<phone dependent dialogue>"

* Can be used as a shortcut.

DTMF (Tone dialling)

This function transfers spoken numbers into DTMF tones. For example, to make a remote enquiry to your home answering machine or to enter a PIN number etc.

Note: DTMF can only be used during an ongoing call. Operate the VOICE button and wait for the system prompt.

Can only be used with vehicles installed with a dedicated VOICE button.

Steps	User says	System answer
1		"NUMBER PLEASE"
2	"<numbers 1 to 9, zero, hash, star>"	

Voice control

Create a phonebook

Store name

New entries can be stored with the "STORE NAME" command. This feature can be used to dial a number by calling up the name instead of the full phone number.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"STORE NAME"	"STORE NAME" "NAME PLEASE"
3	"<name>"	"REPEAT NAME PLEASE"
4	"<name>"	"STORING NAME" "<name> STORED" "NUMBER PLEASE"
5	"<phone number>"	"<phone number>"
6	"STORE"	"STORING NUMBER" "<phone number>" "NUMBER STORED"

Delete name

Stored names can also be deleted from the directory.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"DELETE NAME"	"NAME PLEASE"
3	"<name>"	"DELETE <name>" "CONFIRM YES OR NO"
4	"YES"	"<name> DELETED"
	"NO"	"COMMAND CANCELLED"

Play directory

Use this function to let the system tell you all stored entries.

Voice control

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"PLAY DIRECTORY"	"PLAY DIRECTORY"

Delete directory

This function allows you to delete all entries in one go.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"DELETE DIRECTORY"	"DELETE DIRECTORY" "CONFIRM YES OR NO"
3	"YES"	"DIRECTORY DELETED"
	"NO"	"COMMAND CANCELLED"

Main settings

Reject calls

Calls can be set to be automatically rejected using voice control.

Steps	User says	System answer
1	"PHONE"	"PHONE"
2	"REJECT CALLS"	"REJECT CALLS"
	"ACCEPT CALLS"*	"ACCEPT CALLS"

* use this command to turn the reject mode off

Voice control

CLIMATE CONTROL COMMANDS

Climate

The climate voice commands supports the functionality of the fan speed, temperature and mode settings. Not all functions are

available on all vehicles.

Overview

The overview below shows the available voice commands. The following lists will give further information about the complete command menu in selected examples.

"CLIMATE"
"HELP"
"FAN"*
"DEFROSTING/DEMISTING ON"*
"DEFROSTING/DEMISTING OFF"*
"TEMPERATURE"
"AUTO MODE"

* Can be used as a shortcut.

Fan

This function allows you to adjust the fan speed.

Steps	User says	System answer
1	"CLIMATE"	"CLIMATE"
2	"FAN"	"FAN SPEED PLEASE"
3	"MINIMUM"	"FAN MINIMUM"
	"<a number between 1 and 7>"	"FAN <number>"
	"MAXIMUM"	"FAN MAXIMUM"

* Can be used as a shortcut.

Voice control

Defrosting/Demisting

Steps	User says	System answer
1	"CLIMATE"	"CLIMATE"
2	"DEFROSTING ON/DEMISTING ON"*	"DEFROSTING ON/DEMISTING ON"
	"DEFROSTING OFF/DEMISTING OFF"*	"DEFROSTING OFF/DEMISTING OFF"

* Can be used as a shortcut.

Temperature

This function allows you to adjust the temperature.

Steps	User says	System answer
1	"CLIMATE"	"CLIMATE"
2	"TEMPERATURE"*	"TEMPERATURE PLEASE"
3	"MINIMUM"	"TEMPERATURE MINIMUM"
	"<a number between 15 and 29 °C with 0.5 increments>" or "<a number between 59 and 84 °F>"	"TEMPERATURE <number>"
	"MAXIMUM"	"TEMPERATURE MAXIMUM"

* Can be used as a shortcut.

Auto mode

Steps	User says	System answer
1	"CLIMATE"	"CLIMATE"
2	"AUTO MODE"*	"AUTO MODE"

* Can be used as a shortcut. Can be deactivated by selecting a different temperature or fan speed.

Appendices

TYPE APPROVALS

FCC/INDUSTRY CANADA NOTICE

This device complies with Part 15 of the FCC Rules. 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.

FCC ID: WJLRX-42

IC: 7847A-RX42

Changes or modifications to your device not expressly approved by the party responsible for compliance can void the user's authority to operate the equipment.

RX-42 - declaration of conformity

We, the party responsible for compliance, declare under our sole responsibility that the Handset Integration product RX-42 is in conformity with the provisions of the following Council Directive: 1999/5/EC. A copy of the Declaration of Conformity can be found at:

www.novero.com/declaration_of_conformity

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Ford Motor Company is under license. Other trademarks and trade names are those of their respective owners.

ELECTROMAGNETIC COMPATIBILITY

WARNINGS



Your vehicle has been tested and certified to legislations relating to electromagnetic compatibility (72/245/EEC, UN ECE Regulation 10 or other applicable local requirements). It is your responsibility to ensure that any equipment you have fitted complies with applicable local legislations. Have any equipment fitted by properly trained technicians.



The RF (radio frequency) transmitter equipment (e.g. cellular telephones, amateur radio transmitters etc.) may only be fitted to your vehicle if they comply with the parameters shown in the table below. There are no special provisions or conditions for installations or use.



Do not mount any transceiver, microphones, speakers, or any other item in the deployment path of the airbag system.

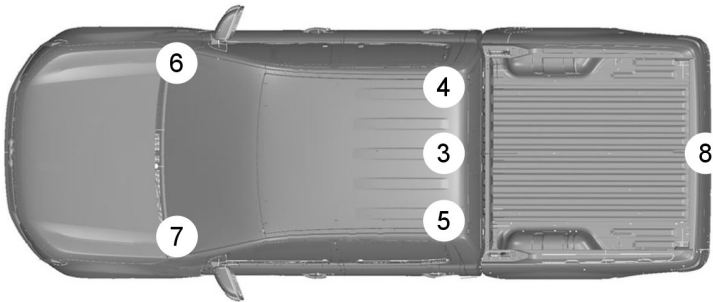


Do not fasten antenna cables to original vehicle wiring, fuel pipes and brake pipes.



Keep antenna and power cables at least 10 centimeters (4 inches) from any electronic modules and airbags.

Appendices



E139668

Frequency Band MHz	Maximum output power Watt (Peak RMS)	Antenna Positions
1 - 30	100 W	8
50 - 54	100 W	3, 4, 5
68 – 87.5	50 W	3, 4, 5
142 – 176	50 W	3, 4, 5
220 - 225	50 W	3, 4, 5
380 – 512	50 W	3, 4, 5
806 – 870	10 W	3, 4, 5, 6*, 7*
870 - 940	10 W	3, 4, 5, 6*, 7*
1200 – 1400	10 W	3, 4, 5
1710 – 1885	10 W	3, 4, 5, 6*, 7*
1885 – 2025	10 W	3, 4, 5, 6*, 7*

*Only for GSM/3G cellular phones, with a patch antenna installed inside of the front windshield.

Note: Position 6 & 7 are patch antennas, 8 is the towbar.

Appendices

Note: *After the installation of RF transmitters, check for disturbances from and to all electrical equipment in the 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 the vehicle cabin by the transmitter installed do not exceed applicable human exposure requirements.

Index

4

4WD	
See: Four-Wheel Drive.....	97

A

A/C	
See: Climate Control.....	65
About This Manual.....	7
Protecting the Environment.....	7
ABS	
See: Brakes.....	103
ABS driving hints	
See: Hints on Driving With Anti-Lock Brakes.....	103
Accessories	
See: Replacement Parts Recommendation.....	10
Adjusting the Steering Wheel.....	39
Air Conditioning	
See: Climate Control.....	65
Air Vents.....	65
Alarm	
See: Anti-Theft Alarm.....	34
Alternative frequencies.....	219
Antenna.....	227
Anti-Theft Alarm.....	34
Alarm System.....	34
Arming the Alarm.....	35
Disarming the Alarm.....	35
Full and Reduced Guard.....	35
Triggering the Alarm.....	35
Appendices.....	250
Approach Lamps.....	47
Ashtray.....	81
At a Glance.....	12

Audible Warnings and Indicators.....	57
Alarm warning.....	58
Direction indicator.....	57
Direction indicators warning.....	57
Door open warning.....	57
Home safe.....	57
Key in ignition warning.....	58
Lights on warning.....	57
Low fuel level warning.....	57
Low washer fluid warning.....	58
Missed lock warning.....	58
Not in park warning.....	57
One side park light.....	57
Over speed warning.....	58
Parking brake warning.....	57
Restraints back-up warning.....	57
Safety belt minder.....	57
Audio Control.....	39
Type 1.....	39
Type 2.....	40
Audio introduction.....	204
Audio system care.....	227
Audio System Security.....	213
Audio troubleshooting.....	228
Audio Troubleshooting.....	228
Audio Unit Clock and Date Displays.....	214
Audio unit commands.....	235
Auxiliary input.....	239
CD Player.....	235
External devices - Bluetooth.....	242
External devices - iPod.....	241
External devices - USB.....	240
Radio.....	236
Audio unit menus.....	219
Audio unit operation.....	216
Audio unit overview	205
Autolamps.....	44

Index

Automatic Climate Control.....	68	Car Wash	
Air distribution control.....	68	See: Cleaning the Exterior.....	172
Blower.....	68	Catalytic Converter.....	88
Cooling the interior quickly.....	69	Driving with a Catalytic Converter.....	88
Recirculated air.....	69	Center Console.....	80
Switching off the automatic climate control.....	70	Changing a Bulb.....	162
Switching the air conditioning on and off.....	70	Approach Lamp and Side Repeater.....	164
Temperature control.....	69	Central High Mounted Brake Lamp.....	167
Windshield defrosting and demisting.....	70	Front Fog Lamps.....	164
Automatic Transmission.....	93	Headlamp.....	163
Emergency Park Position Release Lever.....	96	Interior Lamp.....	166
Hints on driving with an automatic transmission.....	95	License Plate Lamp.....	165
Selector lever positions.....	93	Reading Lamp.....	166
Sport Mode and Manual Shifting.....	94	Rear Lamps.....	164
Automatic volume control.....	219	Side Lamp and Direction Indicator.....	163
Autostore control.....	217	Side Repeater.....	163
Type 0 and 1.....	217	Changing a Fuse.....	149
Type 2, 3, 4 and 5.....	217	Changing a Road Wheel.....	174
Autowipers.....	41	Installing a Road Wheel.....	179
Auxiliary input jack.....	226	Jacking and Lifting Points.....	177
Auxiliary Power Points.....	79	Lug Nuts.....	174
12 Volt DC Power Point.....	79	Removing a Road Wheel.....	178
Location.....	79	Spare Wheel.....	177
		Stowing the Flat Tire.....	180
		Vehicle Jack.....	175
		Vehicles with a Spare Wheel.....	174
		Changing the 12V Battery.....	161
		Auxiliary Battery.....	161
		Main Battery.....	161
		Changing the Wiper Blades.....	161
		Checking the Wiper Blades.....	161
		Child Safety.....	18
		Child Safety Locks.....	23
		Left-hand side.....	23
		Right-hand side.....	23
		Child Seat Positioning.....	21
		Cigar Lighter.....	79
		Cleaning the Alloy Wheels.....	173
		Cleaning the Exterior.....	172
		Cleaning Plastic Exterior Parts.....	172
		Cleaning the Chrome Trim.....	172
		Cleaning the Headlamps.....	172
		Underbody.....	172
		Using a Car Wash.....	172

B

Bluetooth setup.....	230
Handling of phones.....	230
Requirements for Bluetooth connection.....	230
Bonnet Lock	
See: Opening and Closing the Hood.....	150
Brake and Clutch Fluid Check.....	160
Brakes.....	103
Principle of Operation.....	103
Breaking-In.....	132
Brakes and Clutch.....	132
Engine.....	132
Tires.....	132
Bulb Specification Chart.....	168

C

Capacities and Specifications.....	182
------------------------------------	-----

Index

Cleaning the Interior.....	172
Instrument Cluster Screens, LCD Screens and Radio Screens.....	173
Rear Windows.....	173
Safety Belts.....	172
Climate Control.....	65
Principle of Operation.....	65
Climate control commands.....	248
Climate.....	248
Clock.....	61
Cold Weather Precautions.....	132
Compact disc playback.....	221
Compact Disc Player.....	221
Compact disc track scanning.....	222
Type 1.....	222
Type 2.....	222
Type 3, 4 and 5.....	222
Coolant Check	
See: Engine Coolant Check.....	159
Cool Box.....	81
Cruise Control.....	40
Principle of Operation.....	116
Cruise control	
See: Using Cruise Control.....	116
Cup Holders.....	80

D

Data Recording.....	9
Daytime Running Lamps.....	45
Diesel Particulate Filter.....	84
Regeneration.....	84
Digital signal processing (DSP).....	219
Changing the DSP settings.....	219
DSP equalizer.....	219
DSP occupancy.....	219
Direction Indicators.....	47
DPF	
See: Diesel Particulate Filter.....	84
Draining the Fuel Filter Water Trap.....	160
Driver Airbag.....	27
Driver Knee Airbag.....	29
Driving Hints.....	132
Driving Through Water.....	133
DRL	
See: Daytime Running Lamps.....	45

E

Electromagnetic compatibility.....	250
Electronic Locking Differential.....	102
Ending compact disc playback.....	225
Engine Coolant Check.....	159
Adding Engine Coolant.....	159
Engine Immobilizer	
See: Passive Anti-Theft System.....	34
Engine Oil Check.....	158
Adding Oil.....	158
Engine Oil Dipstick - 2.2L Duratorq-TDCi (Puma) Diesel/3.2L Duratorq-TDCi (Puma) Diesel.....	158
Engine Oil Dipstick - 2.5L Duratec-HE (122kW/165PS) - MI4.....	158
Event Data Recording	
See: Data Recording.....	9
Exterior Mirrors.....	51
Fold-Away Exterior Mirrors.....	52
Manual Folding and Unfolding.....	51
Power Exterior Mirrors.....	51

F

Fastening the Safety Belts.....	24
Using Safety Belts During Pregnancy.....	25
Fast forward/reverse.....	221
First Aid Kit.....	135
Floor Mats.....	133
Fog Lamps - Front	
See: Front Fog Lamps.....	45
Fog Lamps - Rear	
See: Rear Fog Lamps.....	46
Four-Wheel Drive.....	97
Principle of Operation.....	97
Front Exterior Overview.....	12
Front Fog Lamps.....	45
Adjustment.....	45
Control lever.....	45
Fuel and Refueling.....	86
Technical Specifications.....	91
Fuel Consumption.....	90
Calculating Fuel Economy.....	90
Filling the Fuel Tank.....	90
Fuel Consumption	
See: Technical Specifications.....	91

Index

Fuel Quality.....	87
Long-Term Storage.....	87
Fuse Box Locations.....	138
Auxiliary Fuse Box.....	139
Engine Compartment Fuse Box.....	138
Passenger Compartment Fuse Box.....	138
Fuses.....	138
Fuse Specification Chart.....	140
Auxiliary Fuse Box.....	147
Engine Compartment Fuse Box.....	140
Passenger Compartment Fuse Box.....	145

G

Gauges.....	53
Engine Coolant Temperature Gauge.....	53
Fuel Gauge.....	53
Information Display.....	53
Tachometer.....	53
General Driving Points.....	132
Vehicles with a diesel engine.....	132
General Information on Radio Frequencies.....	31
Glasses Holder.....	81
Glove Box.....	80
Driver Side.....	80
Passenger Side.....	80

H

Handbrake See: Parking Brake.....	103
Hazard Warning Flashers.....	135
HDC See: Using Hill Descent Control.....	109
Headlamp Exit Delay.....	44
Headlamp Leveling.....	46
Head Restraints.....	76
Adjusting the head restraints.....	76
Removing the head restraints.....	76
Heated Seats.....	78
Heated Windows and Mirrors.....	70
Heated Exterior Mirror.....	71
Heated Rear Window.....	70
Heated Windshield.....	70
Heating See: Climate Control.....	65

Hill Start Assist.....	104
Enable and Disable the System.....	104
Switching the System On and Off.....	105
Using Hill Start Assist.....	104
Hints on Driving With Anti-Lock Brakes.....	103
Hood Lock See: Opening and Closing the Hood.....	150

I

Ignition Switch.....	82
Important audio information.....	204
Audio unit labels.....	204
Disc labels.....	204
Information Displays.....	59
General Information.....	59
Installing Child Seats.....	18
Attaching a Child Seat with Top Tethers.....	20
Booster Seats.....	19
Child Seats for Different Mass Groups.....	18
ISOFIX Anchor Points.....	20
Top Tether Anchor Points.....	20
Instrument Cluster.....	53
Instrument Lighting Dimmer.....	44
Instrument Panel Overview.....	15
Interior Lamps.....	47
Courtesy lamp.....	47
Reading lamps.....	48
Interior Mirror.....	50
Auto-Dimming Mirror.....	51
Introduction.....	7

J

Jump Starting the Vehicle.....	136
To Connect the Booster Cables.....	137
To Start the Engine.....	137

K

Keys and Remote Controls.....	31
-------------------------------	----

Index

L

Lighting Control.....	43
High Beams.....	44
Parking Lamps.....	43
Lighting.....	43
General Information.....	43
Limited Slip Differential.....	102
Load Carriers	
See: Roof Racks and Load Carriers.....	120
Load Carrying.....	118
General Information.....	118
Loading the navigation data.....	196
Loading the navigation data.....	196
Load Retaining Fixtures.....	121
Load Rest.....	123
Tie Down Points.....	121
Locking and Unlocking.....	36
Child play protection function.....	37
Driver configuration mode.....	37
Locking and unlocking the doors from inside.....	37
Locking and unlocking the doors with the key.....	36
Locking and unlocking the doors with the remote control.....	36
Locking the doors individually with the key.....	38
Locks.....	36
Luggage Covers.....	118
Locking and unloading into positions.....	118
Operation.....	118
Lug Nuts	
See: Changing a Road Wheel.....	174

M

Maintenance.....	150
General Information.....	150
Technical Specifications.....	169
Manual Climate Control.....	65
Air distribution control.....	65
Blower.....	66
Recirculated air.....	66
System settings.....	66
Temperature control.....	66

Manual Seats.....	72
Adjusting the Height of the Driver's Seat.....	73
Adjusting the Lumbar Support.....	73
Folding the Seatback - Stretch cab.....	74
Moving the Seat Backward and Forward.....	73
Recline Adjustment.....	74
Manual Transmission.....	93
Selecting Reverse Gear.....	93
Map updates.....	203
Message Center	
See: Information Displays.....	59
Mirrors	
See: Heated Windows and Mirrors.....	70
See: Windows and Mirrors.....	49
Mobile Communications	
Equipment.....	10
MP3 display options.....	224
CD text display options.....	224
MP3 file playback.....	222
File formats.....	223
ID3 Tag Version 2.....	224
ISO 9660 format.....	222
MP3 files playback order.....	223
MP3 navigation.....	224
Multi session.....	223
Playing a multi session disc.....	223

N

Navigation introduction.....	191
General Information.....	191
Navigation Quick start.....	193
Vehicles with SD navigation system.....	193
Navigation system.....	200
Navigation unit overview.....	194
Vehicles with SD navigation system.....	195
News broadcasts.....	219

O

Oil Check	
See: Engine Oil Check.....	158
On/off control.....	216
Opening and Closing the Hood.....	150
Closing the hood.....	151
Opening the hood.....	150

Index

P	
Parking Aid.....	111
Parking Aids.....	111
Principle of Operation.....	111
Parking Brake.....	103
Passenger Airbag.....	28
.....	28
Fitting the Passenger Airbag Deactivation Switch.....	28
Switching the Passenger Airbag Off.....	28
Switching the Passenger Airbag On.....	29
Passive Anti-Theft System.....	34
Arming the Engine Immobilizer.....	34
Coded Keys.....	34
Disarming the Engine Immobilizer.....	34
Principle of Operation.....	34
PATS	
See: Passive Anti-Theft System.....	34
Personalized Settings.....	63
Language setting.....	63
Units of measure.....	64
Power Door Locks	
See: Locking and Unlocking.....	36
Power Seats.....	74
Adjusting the Height of the Driver's Seat.....	75
Moving the Seat Backward and Forward.....	75
Recline Adjustment.....	75
Tilting the Seat.....	76
Power Steering Fluid Check.....	159
Adding Power Steering Fluid.....	159
Power Windows.....	49
Accessory Delay.....	50
Bounce-Back.....	49
One-Touch Down.....	49
One-Touch Up.....	49
Window Lock.....	49
R	
Rear Axle.....	102
Rear Exterior Overview.....	13
Rear Fog Lamps.....	46
Rear Seat Armrest.....	81
Rear Seats.....	76
Folding the Seatback.....	77
Folding the Seat Cushion.....	77
Unfolding the Seatback.....	78
Unfolding the Seat Cushion.....	77
Rear View Camera.....	113
Switching the Rear View Camera Off.....	115
Switching the Rear View Camera On.....	113
Using the Display.....	113
Rear View Camera	
See: Rear View Camera.....	113
Recommended Towing Weights.....	126
Reduced Engine Performance.....	132
Refueling.....	88
Vehicles with Fuel Filler Cap.....	88
Vehicles without Fuel Filler Cap.....	89
Regional mode (REG).....	220
Remote Control.....	31
Changing the Remote Control Battery.....	32
Programming a New Remote Control.....	31
Programming the additional key.....	31
Remote Control With a Folding Key Blade.....	32
Reprogramming the Unlocking Function.....	31
Repairing Minor Paint Damage.....	173
Repeat compact disc tracks.....	221
Type 1.....	221
Type 2.....	222
Type 3, 4 and 5.....	222
Replacement Parts	
Recommendation.....	10
Collision Repairs.....	10
Scheduled Maintenance and Mechanical Repairs.....	10
Warranty on Replacement Parts.....	10
Replacing a Lost Key or Remote Control.....	33
Road Safety.....	191
Safety information.....	192
Roadside Emergencies.....	135
Roof Racks and Load Carriers.....	120
Route displays.....	201
Junction zoom.....	201
Map display.....	201
Navigation display.....	201

Index

Route options menu.....	200	Starting a Diesel Engine.....	84
Driver.....	200	Cold or Hot Engine.....	84
Dynamic.....	200	Failure to Start.....	84
Eco settings.....	200	Starting a Gasoline Engine.....	83
Ferry/motorail.....	200	Cold or Hot Engine.....	83
Motorway.....	200	Engine Idle Speed after Starting.....	83
Route.....	200	Failure to Start.....	84
Seasonal roads.....	201	Flooded Engine.....	83
Toll.....	200	Starting and Stopping the Engine.....	82
Toll sticker.....	201	General Information.....	82
Running-In		Station preset buttons.....	217
See: Breaking-In.....	132	217
Running Out of Fuel.....	87	Type 0 and 1.....	217
		Type 2, 3, 4 and 5.....	217
S		Station tuning control.....	216
Safety Belt Height Adjustment.....	25	Manual tuning.....	216
Safety Belt Minder.....	26	Scan tuning.....	216
Switching the Safety Belt Minder Off.....	26	Seek tuning.....	216
Safety Belts.....	24	Steering Wheel Lock.....	82
Principle of Operation.....	24	Unlocking the Steering Wheel.....	83
Safety Precautions.....	86	Vehicles without Keyless Starting.....	82
Seats.....	72	Steering Wheel.....	39
Security code.....	213	Storage Compartments.....	80
Entering a security code.....	213	Supplementary Restraints System.....	27
Security.....	34	Principle of Operation.....	27
Setting the clock on the audio unit.....	214	Switching Off the Engine.....	85
.....	215	Vehicles With a Turbocharger.....	85
Changing the time.....	214	Symbols Glossary.....	7
Exact hour adjustment.....	214	System settings.....	197
Shuffle/random.....	221	Audio settings.....	198
Type 1.....	221	Clock settings.....	198
Type 2.....	221	Menu structure - Information and	
Type 3, 4 and 5.....	221	entertainment display - All	
Side Airbags.....	29	vehicles.....	198
Side Curtain Airbags.....	29	Menu structure - Information and	
Sitting in the Correct Position.....	72	entertainment display - Vehicles with	
Sliding Windows.....	52	navigation system.....	197
Snow Chains		T	
See: Using Snow Chains.....	174	Tailgate.....	124
Sound button.....	216	Lowering the Tailgate.....	124
Special Notices.....	10	Technical Specifications	
Speed Control		See: Capacities and Specifications.....	182
See: Cruise Control.....	116		
Stability Control.....	107		
Principle of Operation.....	107		
Starter Switch			
See: Ignition Switch.....	82		

Index

Telephone commands.....	243	Trip Computer.....	61
Create a phonebook.....	246	Controls.....	61
Main settings.....	247	Type approvals.....	250
Phone.....	243	FCC/INDUSTRY CANADA NOTICE.....	250
Phone functions.....	244	RX-42 - declaration of conformity.....	250
Telephone controls.....	231		
Remote control.....	231	U	
Telephone setup.....	229	Under Hood Overview - 2.2L	
Bond another Bluetooth phone.....	230	Duratorq-TDCi (Puma) Diesel.....	154
Making a phone an active phone.....	229	Under Hood Overview - 2.5L Duratec-HE	
Phonebook.....	229	(122kW/165PS) - MI4.....	152
Phonebook categories.....	229	Under Hood Overview - 3.2L	
Telephone.....	229	Duratorq-TDCi (Puma) Diesel.....	156
General Information.....	229	Using Cruise Control.....	116
Terrain Response.....	109	Switching Cruise Control Off.....	117
Principle of Operation.....	109	Switching Cruise Control On.....	116
Tires		Using Four-Wheel Drive.....	97
See: Wheels and Tires.....	174	Driving in Special Conditions With	
Tow Ball.....	129	Four-Wheel Drive.....	98
4x2.....	129	Four-Wheel Drive, High Range (4H).....	97
4x2 (vehicles with increased ride height)		Four-Wheel Drive, Low Range (4L).....	97
and 4x4.....	130	Shifting Between 2H and 4H.....	97
Driving without a trailer.....	130	Shifting Between 2H and 4L.....	98
Maintenance.....	130	Shifting Between 4H and 4L.....	98
Towbar Dimensions.....	187	Two-Wheel Drive, High Range (2H).....	97
Towing a Trailer.....	125	Using Hill Descent Control.....	109
Trailer Tow Module.....	125	HDC Operation.....	109
Towing Points.....	130	Selecting HDC.....	109
Towing the Vehicle on Four Wheels.....	131	Using Snow Chains.....	174
All Vehicles.....	131	Vehicles with Stability Control.....	174
Vehicles With Automatic		Using Stability Control.....	107
Transmission.....	131	2-wheel drive vehicles.....	107
Towing.....	125	4-wheel drive vehicles.....	107
Track selection.....	221	Using the telephone.....	231
Type 2, 3, 4 and 5.....	221	Changing the active phone.....	232
Type 3, 4 and 5.....	221	Debonding a bonded phone.....	233
Traction Control.....	106	Making a call.....	231
Principle of Operation.....	106	Muting the microphone.....	232
Traffic information control.....	218	Receiving an incoming call.....	232
Activating traffic announcements.....	218	Receiving a second incoming call.....	232
Ending traffic announcements.....	218	Using TMC.....	202
Traffic announcement volume.....	218	Ending traffic announcements.....	202
Traffic Message Channel.....	202	Hazard spot warning (depending on	
Principle of Operation.....	202	country).....	202
Trailer Sway Control.....	126	Traffic announcement.....	202
Transmission.....	93	Using TMC messages.....	202
Transmission		Using Traction Control.....	106
See: Transmission.....	93		

Index

Using voice control.....	234
Name tag.....	235
System operation.....	234
Using Winter Tires.....	174

V

Vehicle Care.....	172
Vehicle Dimensions.....	182
4-door stretch cab.....	183
Double cab.....	185
Single cab.....	182
Vehicle Identification Number.....	190
Vehicle Identification Plate.....	190
Vehicle Interior Overview.....	14
Ventilation	
See: Climate Control.....	65
Vents	
See: Air Vents.....	65
VIN	
See: Vehicle Identification Number.....	190
Voice control.....	234
Principle of Operation.....	234
Voice Control.....	40

W

Warning Lamps and Indicators.....	53
ABS warning lamp.....	54
Airbag warning lamp.....	54
Brake system warning lamp.....	54
Cruise control.....	57
Direction indicators.....	56
Door open warning lamp.....	56
DPF (Diesel Particulate Filter).....	56
Electronic locking differential (ELD) indicator.....	55
Engine warning lamps.....	55
Four-wheel drive indicator.....	55
Four-wheel drive low (4L) indicator.....	55
Front fog lamp indicator.....	56
Gear shift indicator lamp (Manual only).....	57
Glow plug indicator - For Diesel vehicles.....	56
Headlamp indicator.....	56
High beam indicator.....	56
Ice/Frost warning indicator.....	56
Ignition warning lamp.....	54
Low fuel level warning lamp.....	54
Oil Change Reminder Indicator (Diesel only).....	55
Oil pressure warning lamp.....	55
Rear fog lamp indicator.....	56
Safety belt indicator.....	57
Stability control (ESP) indicator.....	54
Vehicle immobilizer indicator.....	54
Washer fluid level indicator.....	56
Water-in-fuel indicator (Diesel only).....	56
Warning Triangle.....	135
Double cab.....	136
Single cab.....	135
Stretch cab.....	135
Washer Fluid Check.....	161
Washers	
See: Cleaning the Exterior.....	172
See: Wipers and Washers.....	41
Waveband button.....	216
Wheel Nuts	
See: Changing a Road Wheel.....	174
Wheels and Tires.....	174
General Information.....	174
Technical Specifications.....	180

Index

Windows and Mirrors.....	49
Windshield Washers.....	42
Windshield Wipers.....	41
Intermittent wipe.....	41
Winter Tires	
See: Using Winter Tires.....	174
Wipers and Washers.....	41

