FORD **RANGER** Owner's Manual



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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

Always drive with due care and attention when using and operating the controls and features on your vehicle.

Note: *This manual describes product features and options available throughout the range, 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 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 vehicle has received the endorsement of TÜV, the accredited international testing organisation, for its allergy-friendly properties.

All materials used in the manufacture of the interior of this vehicle meet strict requirements of the TÜV TOXPROOF Criteria Catalogue for Vehicle Interiors by TÜV Produkt and Umwelt GmbH and are designed to minimize the risk of allergic reactions.

Additionally an efficient pollen filter protects the passengers against allergen particles in the outdoor air.

For more information, contact TÜV at www.tuv.com.

SYMBOLS GLOSSARY

Symbols in this handbook

WARNING

You risk death or serious injury to yourself and others if you do not follow the instructions highlighted by the warning symbol.

CAUTION

You risk damaging your vehicle if you do not follow the instructions highlighted by the caution symbol.

Symbols on your vehicle



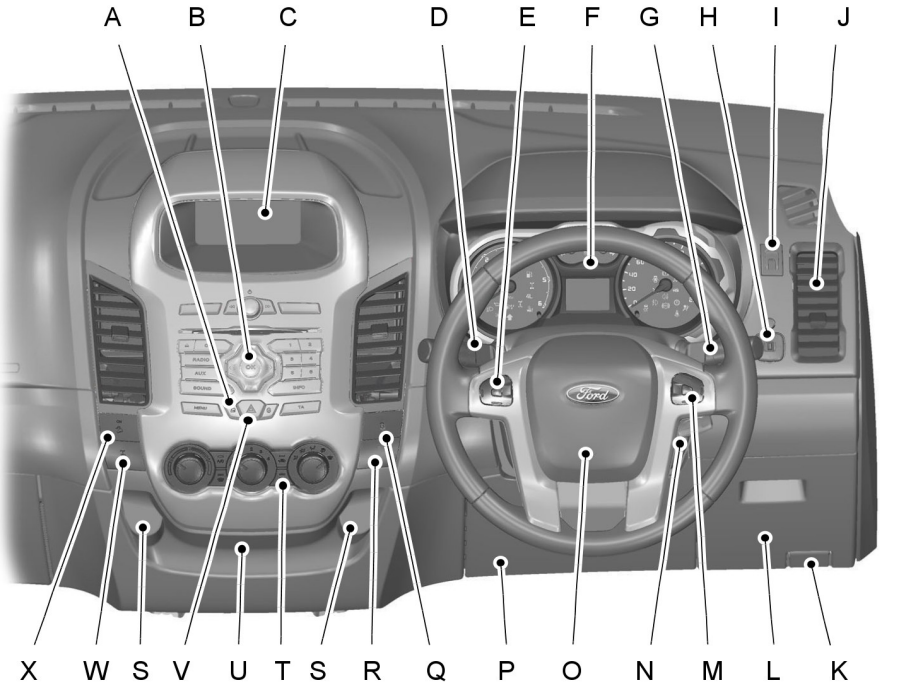


When you see these symbols, read and follow the relevant instructions in this handbook before touching or attempting adjustment of any kind.

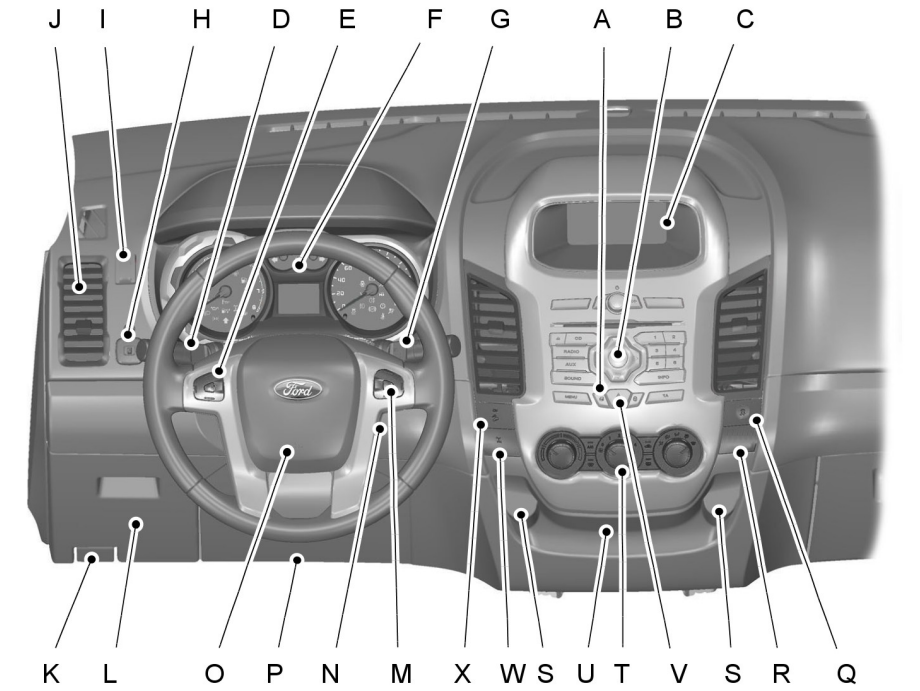
REPLACEMENT PARTS RECOMMENDATION

Genuine Ford parts and accessories have been designed specifically for your vehicle. Unless we have specifically stated, we have not tested non-Ford parts and accessories and, therefore, we will not guarantee that they are suitable for your vehicle. We recommend that you ask your Ford Dealer for advice on parts and accessories suitable for your vehicle.

Instrument panel overview - Right-hand drive



Instrument panel overview - Left-hand drive



E131277

A Door lock button. See **Locking and Unlocking** (page 30).

B Audio unit. See **Audio unit overview** (page 191).

C Multi-functional display.

D Multi-function lever: Direction indicators. See **Direction Indicators** (page 46). Main Beam. See **Lighting Control** (page 42). or Wiper lever. See **Wipers and Washers** (page 39).

E Audio control. See **Audio Control** (page 37).

F Instrument cluster. See **Gauges** (page 58). See **Warning Lamps and Indicators** (page 58).

G Multi-function lever: Direction indicators. See **Direction Indicators** (page 46). Main Beam. See **Lighting Control** (page 42). or Wiper lever. See **Wipers and Washers** (page 39).

H Exterior mirror control. See **Electric exterior mirrors** (page 56).

I Headlamp levelling switch. See **Headlamp Levelling** (page 45).

J Air vents. See **Air Vents** (page 68).

K Bonnet release lever. See **Opening and Closing the Bonnet** (page 141).

L Driver side storage compartment. See **Storage compartments** (page 83).

M Cruise control. See **Cruise Control** (page 111).

N Ignition switch. See **Ignition Switch** (page 86).

O Horn.

P Driver knee airbag. See **Principle of Operation** (page 23).

Q Stability control (ESP) switch. See **Using Stability Control** (page 102).

R Passenger airbag deactivation warning lamp. See **Disabling the passenger airbag** (page 26).

S Auxiliary power sockets. See **Auxiliary Power Points** (page 82).

T Climate controls. See **Manual Climate Control** (page 68).

U Auxiliary input and USB. See **Auxiliary Input Socket** (page 84). See **USB Port** (page 84).

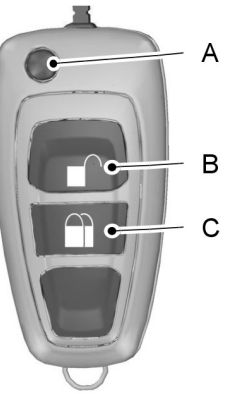
V Hazard warning flasher switch. See **Hazard Warning Flashers** (page 45).

W Electronic Locking Differential (ELD) button. See **Four-Wheel Drive** (page 94).

X Hill descent control. See **Hill descent control (HDC)** (page 100).

Locking and unlocking

Unlocking the vehicle



E131278

A Key fold/unfold button

B Unlock

C Lock

Press the unlock button once to unlock the vehicle.

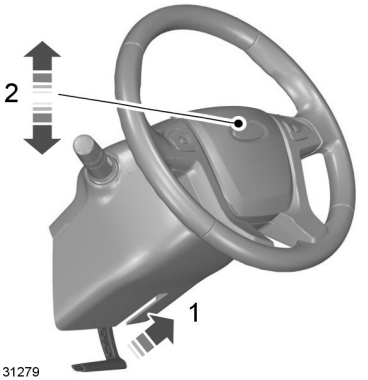
Press the lock button once to activate central locking.

Press the lock button twice within three seconds to double lock the doors.

Adjusting the steering wheel

WARNING

Never adjust the steering wheel when the vehicle is moving.



E131279

WARNING

Make sure that you fully engage the locking lever when returning it to its original position.

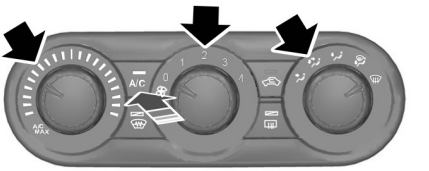


E131280

See **Adjusting the Steering Wheel** (page 37).

Manual climate control

Recommended settings for cooling



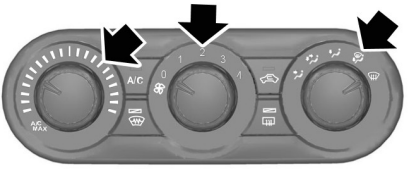
E131281

Select the outside air.

Open the centre and side air vents.

Direct the centre air vents upwards and the side air vents toward the side windows.

Recommended settings for heating



E131282

Select the outside air.

Close the centre air vents and open the side air vents.

Direct the side air vents toward the side windows.

See **Manual Climate Control** (page 68).

Automatic climate control

Recommended settings for cooling



E131283

Select the outside air.

Set the temperature to 22ºC (72ºF).

Open the centre and side air vents.

Direct the centre air vents upwards and the side air vents toward the side windows.

Recommended settings for heating



E131284

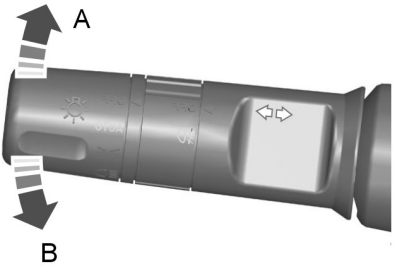
Select the outside air.

Set the temperature to 22ºC (72ºF).

Open the centre and side air vents.

Direct the centre air vents upwards and the side air vents toward the side windows.

Direction indicators



E131285

If the lever is tapped up or down, the direction indicators will flash three time.

See **Direction Indicators** (page 46).

Airbag



E131289

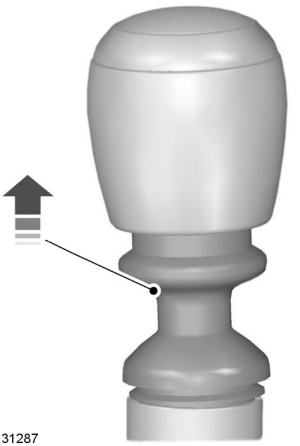
WARNING

To avoid the risk of death or serious injury, never use a rearward facing child restraint in the front, unless the air bag is OFF.

See **Child Seat Positioning** (page 17).

Manual transmission

Selecting reverse gear - 6 speed



E131287

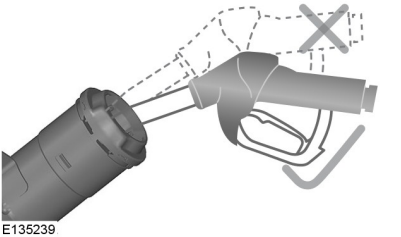
It is necessary to raise the collar whilst selecting reverse gear in 6-speed vehicles.

See **Manual Transmission** (page 94).

Refuelling

WARNING

Take care when refuelling to avoid spilling any residual fuel from the fuel pipe nozzle.

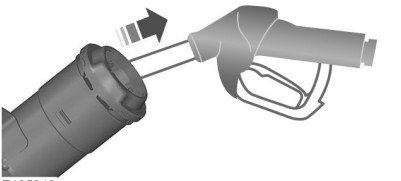


E135239

Insert the fuel pipe nozzle up to the first notch on the nozzle, and keep it in position on the fuel filler opening.

WARNING

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.



E135240

Slightly raise the fuel nozzle to remove it.

See **Fuel filler flap** (page 90).

CHILD SEATS



E133140



E68916

WARNINGS

Secure children that are less than 150 centimetres (59 inches) tall in a suitable, approved child restraint, in the rear seat.

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

Read and follow the manufacturer's instructions when you are fitting a child restraint.

Do not modify child restraints in any way.

Do not hold a child on your lap when the vehicle is moving.

WARNINGS

Do not leave unattended children in your vehicle.

If your vehicle has been involved in an accident, have the child restraints checked by properly trained technicians.

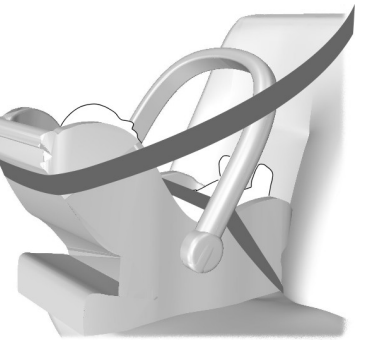
Note: *Mandatory use of child restraints varies from country to country.*

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

Child restraints for different mass groups

Use the correct child restraint as follows:

Baby safety seat



E68918

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

Child safety seat



E68920

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

CHILD SEAT POSITIONING

WARNINGS

Please consult your Dealer for the latest details relating to Ford recommended child seats.

WARNINGS

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

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 seat belt, make sure that the seat belt is not slack or twisted.

CAUTION

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 78).

Note: *When using a child seat on a front seat, always adjust the front passenger seat to its fully rearwards position. If it proves difficult to tighten the lap section of the seat belt without slack remaining, adjust the seatback to the fully upright position and raise the height of the seat. See* ***Seats*** *(page 74).*

Seating positions	Mass group categories				
	0	0+	1	2	3
	Up to 10 kg	Up to 13 kg	9 - 18 kg	15 - 25 kg	22 - 36 kg
Front outboard passenger seat with airbag **ON**	X	X	UF[1]	UF[1]	UF[1]
Front outboard 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.

U[1] 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, in the rear seat.

UF[1] 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, in the rear seat.

ISOFIX child seats - Double cab

Seating positions		Mass group categories	
		0+	1
		Rear facing	Forward facing
		Up to 13 kg	9 - 18 kg
Front seat	Size class	Not ISOFIX equipped	
	Seat type		
Rear outboard seat ISOFIX	Size class	E, D, C[*]	A, B, B1, C, D[*]
	Seat type	IL[**]	IL, IUF[***]

Seating positions		Mass group categories	
		0+	1
		Rear facing	Forward facing
		Up to 13 kg	9 - 18 kg
Rear centre seat	Size class	Not ISOFIX equipped	
	Seat type		

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

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

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

**At time of publishing the recommended Group O+ ISOFIX baby safety seat is the Britax Roemer Baby Safe. Please consult your Dealer for the latest details relating to Ford recommended child seats.

***At time of publishing the recommended Group 1 ISOFIX child seat is the Britax Roemer Safefix PLUS. Please consult your Dealer for the latest details relating to Ford recommended child seats.

ISOFIX ANCHOR POINTS

WARNING

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

Note: *When you are purchasing an ISOFIX restraint, make sure that you know the correct mass group and ISOFIX size class for the intended seating locations. See* ***Child Seat Positioning*** *(page 17).*

Your vehicle is fitted with ISOFIX anchor points that accommodate universally approved ISOFIX child restraints.

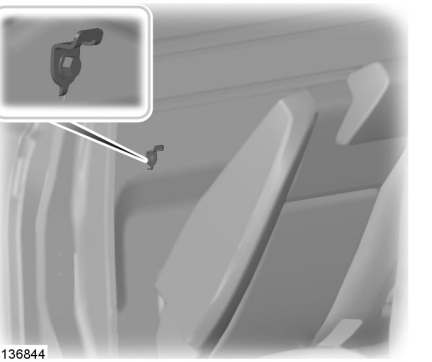
The ISOFIX system comprises two rigid attachment arms on the child restraint that attach to anchor points on the 2nd row seats, where the cushion and backrest meet. Tether anchor points are fitted to the back panel trim for child restraints with a top tether.

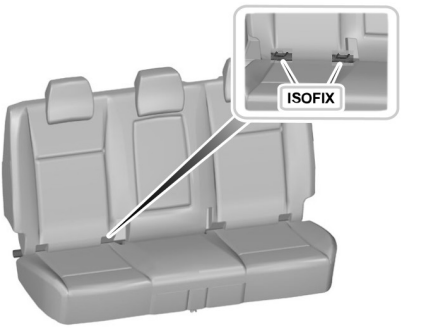
Attaching a child restraint with a top tether

WARNING

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

Double cab


E136844



E132631

1. Remove the head restraint. See **Head Restraints** (page 78).
2. Place the child seat on the back seat cushion and fold the relevant seatback forward. See **Rear Seats** (page 78).
3. Route the tether strap to the anchor point.

WARNING

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

4. Push the seatback to the upright position.

WARNINGS

Make sure that the seatback is secure and fully engaged in the catch.

Make sure the safety seat is fitted correctly. There is a risk of injury.

5. Push the child seat back firmly to engage the ISOFIX lower anchor points.
6. Tighten the tether strap in line with the child seat manufacturers instructions.

We recommend that you use a tether strap where fitted.

BOOSTER SEATS

WARNINGS

Do not install a booster seat or a booster cushion with only the lap strap of the seat belt.

Do not install a booster seat or a booster cushion with a seat belt that is slack or twisted.

Do not put the seat belt under your child's arm or behind its back.

Do not use pillows, books or towels to boost your child's height.

Make sure that your children sit in an upright position.

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

CAUTION

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 78).

Booster seat (Group 2)



E70710

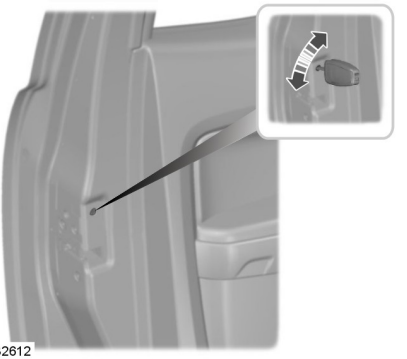
We recommend that you use a booster seat that combines a cushion with a backrest instead of a booster cushion only. The raised seating position will allow you to position the shoulder strap of the adult seat belt over the centre of your child's shoulder and the lap strap tightly across its hips.

Booster cushion (Group 3)



E68924

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 anti-clockwise to lock and clockwise to unlock.

Right-hand side

Turn clockwise to lock and anti-clockwise to unlock.

PRINCIPLE OF OPERATION

Airbags

WARNINGS

Do not modify the front of your vehicle in any way. This could adversely affect deployment of the airbags.

Original text according to ECE R94.01: Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

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 that allows the airbag to achieve its optimum effect. See **Sitting in the Correct Position** (page 74).

Have repairs to the steering wheel, steering column, seats, airbags and seat belts carried out by a properly trained technician.

Keep the areas in front of the airbags free from obstruction. Do not affix anything to or over the airbag covers.

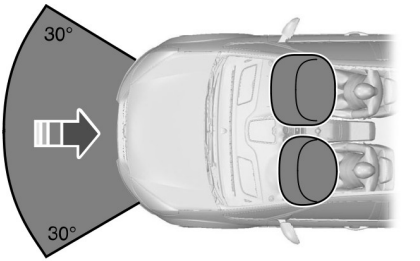
Do not poke sharp objects into areas where airbags are fitted. This could damage and adversely affect deployment of the airbags.

Use seat covers designed for seats with side airbags. Have these fitted by a properly trained technician.

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 and front passenger airbags



E74302

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

Driver knee airbag

CAUTION

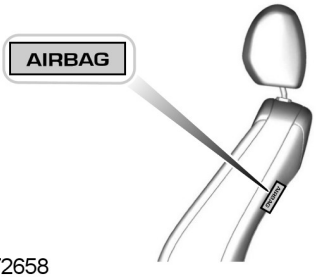
Do not attempt to open the driver knee airbag cover.

The driver knee 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 **At a Glance** (page 9).

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

Side airbags

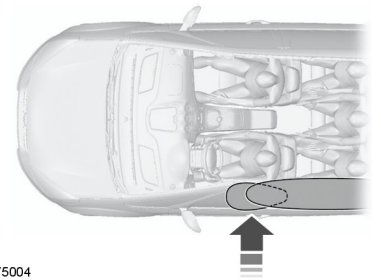


E72658

Side airbags are fitted inside the seatback of the front seats. A label indicates that side airbags are fitted to your vehicle.

The side airbags will deploy during significant lateral collisions. The airbags will inflate within a few thousandths of a second and deflate on contact with the occupants, thus providing protection for the chest and shoulder areas. During minor lateral collisions, overturns, front collisions and rear collisions, the side airbags will not deploy.

Curtain airbags



E75004

Curtain airbags are fitted inside the trim panels over the front and rear side windows. Moulded badges in the B-pillar trim panels indicate that curtain airbags are fitted to your vehicle.

The curtain airbags will deploy during significant lateral collisions. The airbag will inflate within a few thousandths of a second and deflate on contact with the occupants, thus providing protection for the head. During minor lateral collisions, front collisions, rear collisions, or overturns the curtain airbags will not deploy.

Seat belts

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. See **Sitting in the Correct Position** (page 74).

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 centre 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 airbags. During minor collisions, it is possible that only the seat belt pretensioners will deploy.

Status after a collision

WARNING

Seat belts subjected to strain, as a result of an accident, should be renewed and the anchorages checked by a properly trained technician.

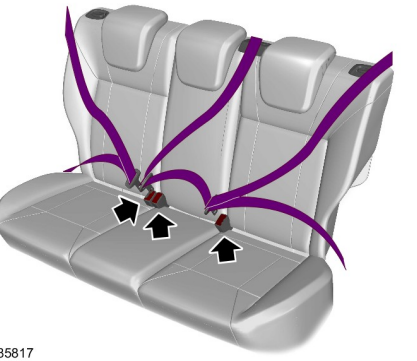
FASTENING THE SEAT BELTS

WARNING

Insert the tongue into the buckle until you hear a distinct click. You have not fastened the seat belt properly if you do not hear a click.



E74124

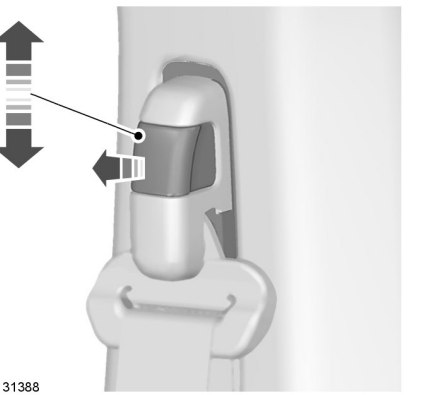


E85817

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

Press the red button on the buckle to release the belt. Let it retract completely and smoothly.

SEAT BELT HEIGHT ADJUSTMENT



E131388

To raise or lower, pull the locking button on the adjuster and move as necessary.

SEAT BELT REMINDER

WARNING

The occupant protection system will only provide optimum protection when you use the seat belt properly.



Type 1: The seat belt warning lamp will be illuminated for 6 seconds when the ignition is turned on to remind the driver to fasten the seatbelt.

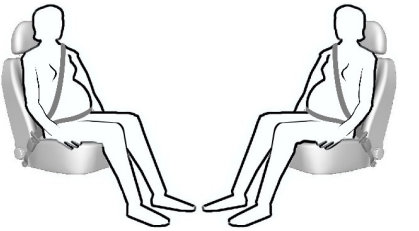
Type 2: The seat belt warning lamp will be illuminated at any time when the drivers seat belt is not fastened.

Type 3: The seat belt reminder warning lamp illuminates and an audible warning will sound if the driver or front passenger seat belt has not been fastened and the vehicle exceeds a relatively low speed. It will also illuminate if either of the seat belt is unfastened when the vehicle is moving. The audible warning will go off after five minutes but the seat belt reminder warning lamp will remain on until the seat belt is fastened.

Deactivating the seat belt reminder

See your dealer.

USING SEAT BELTS DURING PREGNANCY



E68587

WARNING

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

Position the lap strap comfortably across your hips and low beneath your pregnant abdomen. Position the shoulder strap between your breasts, above and to the side of your pregnant abdomen.

DISABLING THE PASSENGER AIRBAG

WARNING

Make sure that the passenger airbag is disabled when using a rearward facing child restraint on the front passenger seat.



E131289

Fitting the passenger airbag deactivation switch

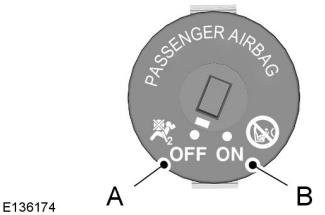
WARNING

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. Ask your dealer for further information.

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

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.

Disabling the passenger airbag



E136174

A Disabled
B Enabled

Turn the switch to position **A**.

When you switch the ignition on, the passenger airbag OFF warning lamp illuminates indicating that the passenger airbag is disabled. For item location: See **At a Glance** (page 9).

Enabling the passenger airbag

WARNING

Make sure that the passenger airbag is enabled when you are **not** using a child restraint on the front passenger seat.

Turn the switch to position **B**.

When you switch the ignition on, the passenger airbag ON warning lamp illuminates indicating that the passenger airbag is enabled. For item location: See **At a Glance** (page 9).

GENERAL INFORMATION ON RADIO FREQUENCIES

CAUTIONS

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.

Check your vehicle is locked before leaving it unattended. This will safeguard against any potential malicious frequency blocking.

Note: *You could unlock the doors if you press the buttons on the remote control unintentionally.*

The operating range between your remote control and your vehicle varies depending on the environment.

PROGRAMMING THE REMOTE CONTROL

Note: *Additional remote controls can be programmed only if the vehicle is supplied with atleast one remote control.*

A maximum of eight remote controls (including the one supplied with your vehicle) can be programmed. The remote controls must remain inside the vehicle during the programming procedure. Fasten the front seat belts and close all doors to ensure that conflicting chimes do not sound during programming.

Programming a new remote control

1. To programme new remote controls turn the ignition key 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 programme the remote controls for ten seconds.
3. Press any button on a new remote control. A tone will sound as confirmation.
4. Repeat this last step for all your remote controls, including your original. Do not remove the key from the ignition when pressing the button on this remote control.
5. Switch the ignition back on (position **II**) or wait for ten 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 the vehicle.

Reprogramming the unlocking function

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

Press and hold the unlock and lock buttons on the remote key 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.

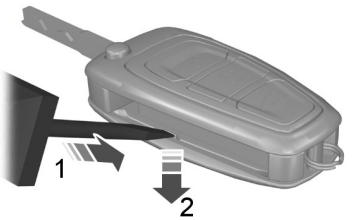
Programming the additional key

Note: *The additional keys can be programmed only if you already have two programmed keys.*

1. Insert the first key and switch on the ignition.
2. Remove the key within 10 seconds.
3. Insert the second key within 10 seconds and switch on the ignition.
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

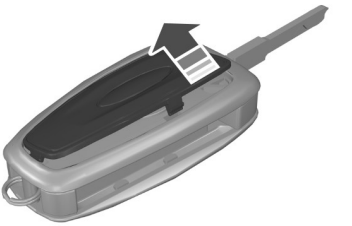
Make sure that you dispose of old batteries in an environmentally friendly way. Seek advice from your local authority regarding recycling.



E128809

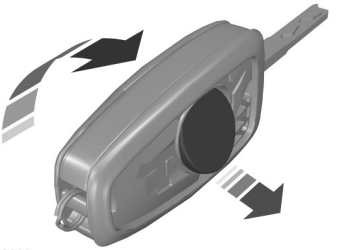
1. Insert a screwdriver in the position shown and gently push the clip.

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.

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

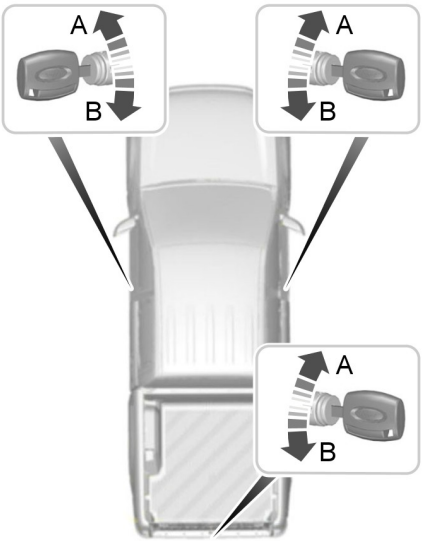
6. Replace the battery cover.

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



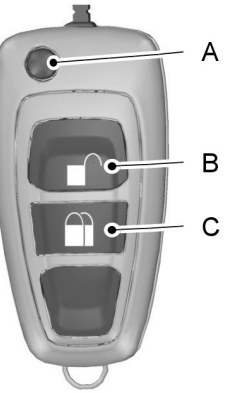
E131447

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 bonnet is closed in the vehicle fitted with alarm.*

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 **Programming the remote control** (page 28).

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.

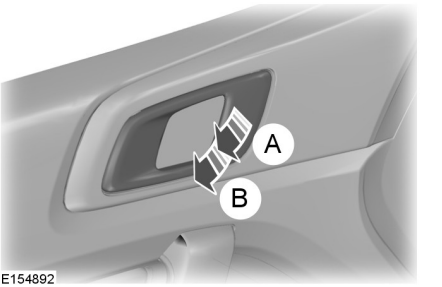
Child play protection function

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 **At a Glance** (page 9).



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.

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 time 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.

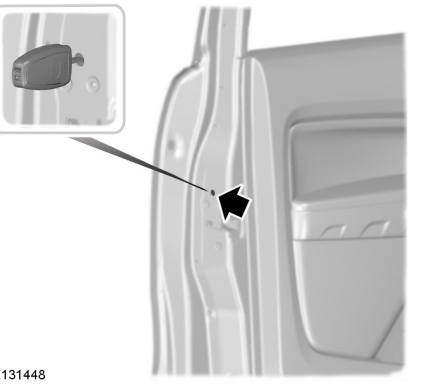
If the automatic unlocking function is disabled:

- 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.*



Left-hand side

Turn clockwise to lock.

Right-hand side

Turn anti-clockwise 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.*

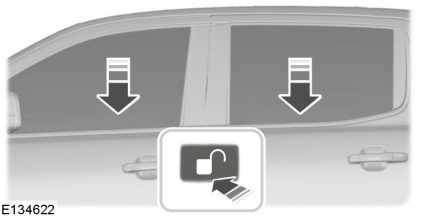
Unlock the driver's door using the key. The other doors can be unlocked individually by pulling the interior door handles on those doors.

GLOBAL OPENING AND CLOSING

Note: *You can operate the windows for up to one minute after you switch off the ignition. They will be deactivated as soon as a door is opened.*

Note: *Global closing will only operate if you have set the memory correctly for each window. See* ***Power Windows*** *(page 54).*

Global opening

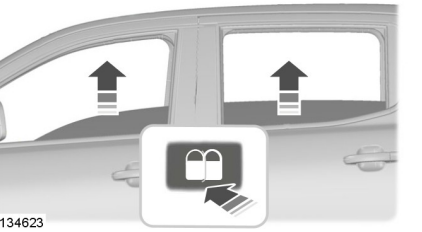


To open all the windows, press and hold the remote control **unlock** button for at least three seconds. Press any remote control button again to stop the opening function.

Global closing

WARNING

Take care when using global closing. In an emergency, press a button immediately to stop the windows.



To close all the windows, press and hold the remote control **lock** button for at least two seconds. Press any remote control button again to stop the closing function. The anti-trap function is also active during global closing.

PRINCIPLE OF OPERATION

The engine immobiliser is a theft protection system that prevents someone from starting the engine with an incorrectly coded key.

CODED KEYS

Note: *Do not shield your keys with metal objects. This may prevent the receiver from recognising your key as a valid one.*

Note: *Have all of your remaining keys erased and recoded if you lose a key. Ask your dealer for further information. Have replacement keys recoded together with your existing keys.*

If you lose a key, you can obtain a replacement from your Ford Dealer. If possible, provide them with the key number from the tag provided with the original keys. You can also obtain additional keys from your Ford Dealer.

ARMING THE ENGINE IMMOBILISER

The engine immobiliser is armed automatically a short time after you have switched the ignition off.

The indicator in the instrument cluster will flash to confirm that the system is operating.

DISARMING THE ENGINE IMMOBILISER

The engine immobiliser is disarmed automatically when you switch the ignition on with a correctly coded key.

The indicator in the instrument cluster will come on for approximately three seconds and then go out. If the indicator stays on for one minute or flashes for approximately one minute and then repeatedly at irregular intervals, your key has not been recognised. Remove the key and try again.

If you are unable to start the engine with a correctly coded key, this indicates a malfunction. Have the immobiliser checked immediately.

PRINCIPLE OF OPERATION

Alarm system

Your vehicle may be equipped with one of the following alarm systems:

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

Interior sensors


E133698

The interior sensors are activated when you arm the alarm. See **Arming the alarm** (page 36).

WARNINGS

The sensors in the interior lamp unit must not be covered up. Do not activate the alarm if any persons, animals or other moving objects are inside the vehicle.

The interior sensors may not detect movement with in the cab correctly if the rear seat base in the double cab is left in the upright position.

Do not leave the glasses holder open.

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

Note: *False alarms can also be triggered by the fuel fired heater. If you are using the fuel fired heater, direct the air flow towards the footwell.*

The sensors act as a deterrent against unauthorised intrusion by sensing any movement within the vehicle.

Alarm Horn

The alarm horn will sound a siren when the alarm is triggered. It is armed when you lock the vehicle. This will not sound if someone disconnects the vehicle battery or the alarm horn itself.

Battery back-up sounder

The battery back-up sounder is an extra alarm system which will sound a siren when the alarm is triggered. It is armed when you lock the vehicle. The sounder has its own battery and will sound an alarm siren even if someone disconnects the 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 bonnet without a valid key or remote control.
- If someone removes the multi function display.
- If the ignition is turned to position **I**, **II** or **III** without a valid key.
- If the interior sensors detect movement within the vehicle.
- On vehicles with a battery back-up sounder, if someone disconnects the 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.

ARMING THE ALARM

To arm the alarm, lock the vehicle. See **Locks** (page 30).

DISARMING THE ALARM

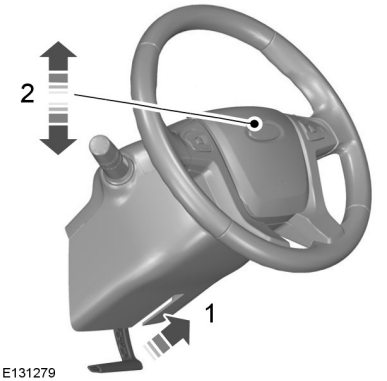
Disarm and silence the alarm by unlocking the doors with the key and inserting the key into the ignition switch with a correctly coded key within 12 seconds, or unlocking the doors with the remote control.

ADJUSTING THE STEERING WHEEL

WARNING

Never adjust the steering wheel when the vehicle is moving.

Note: *Make sure that you are sitting in the correct position. See* ***Sitting in the Correct Position*** *(page 74).*



E131279

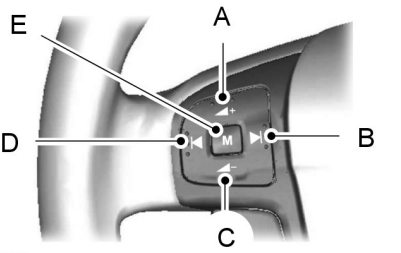


E131280

WARNING

Make sure that you fully engage the locking lever when returning it to its original position.

AUDIO CONTROL



E72288

A	Volume up
B	Seek up
C	Volume down
D	Seek down
E	Mode

Mode

Press and **hold** the mode button to select the audio source.

Press the mode button to:

- tune the radio to the next preset station
- accept an incoming telephone call
- end a telephone call.

Seek

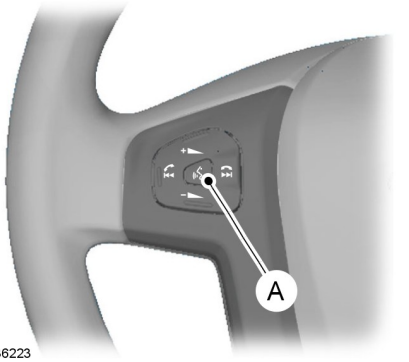
Press the seek button to:

- tune the radio to the next station up or down the frequency band
- play the next or the previous CD track.

Press and **hold** the seek button to:

- tune the radio up or down the frequency band
- seek through a CD track.

VOICE CONTROL



A	Voice control



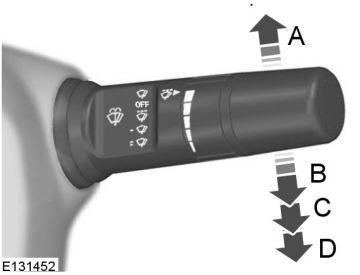
Press the voice control button to select or deselect voice control.

For further information: See **Voice control** (page 220).

WINDSCREEN WIPERS

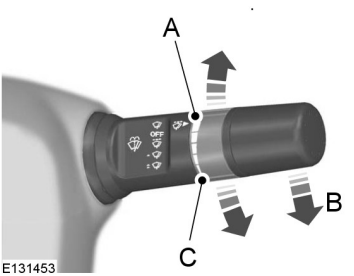
CAUTION

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



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

Intermittent wipe



A Long wipe interval
B Intermittent wipe
C Short wipe interval

AUTOWIPERS

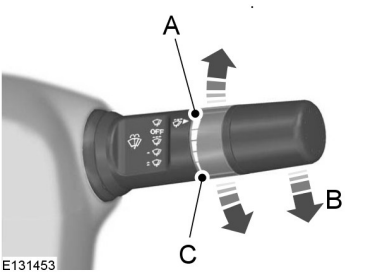
CAUTIONS

Do not switch autowipers on in dry weather conditions. The rain sensor is very sensitive and the wipers may operate if dirt, mist or flies hit the windscreen.

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 windscreen and the wipers will operate, even though the majority of the windscreen is dry.

Fully defrost the windscreen in icy conditions before you switch autowipers on.

Switch autowipers off before you enter a car wash.



A High sensitivity
B On
C Low sensitivity

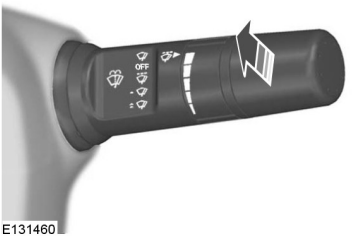
If you switch autowipers on, the wipers will not cycle until water is detected on the windscreen. The rain sensor will then continuously measure the amount of water on the windscreen and adjust the speed of the wipers automatically.

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 windscreen. With high sensitivity, the wipers will operate if the sensor detects a small amount of water on the windscreen.

WINDSCREEN WASHERS

CAUTION

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

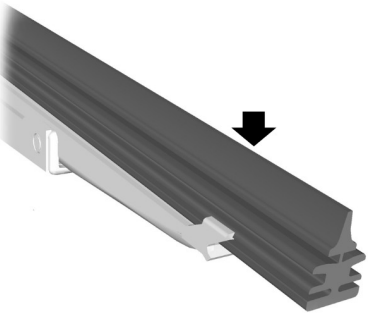


E131460

WARNING

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

CHECKING THE WIPER BLADES



E66644

Run the tip of your fingers over the edge of the blade to check for roughness.

Clean the wiper blade lips with water applied with a soft sponge.

CHANGING THE WIPER BLADES

Windscreen wiper blades

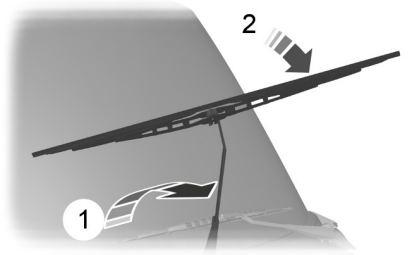
CAUTIONS

Set the windscreen wipers in the service position to change the wiper blades.

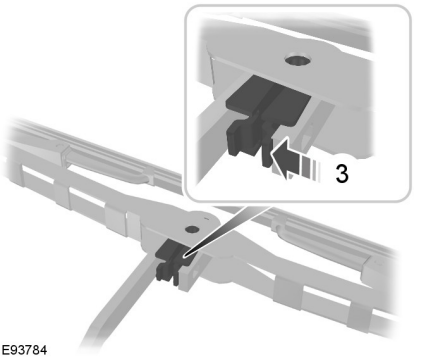
You can use the service position in winter to provide easier access to the wiper blades for freeing them from snow and ice. The windscreen wipers will return to their normal position as soon as you switch on the ignition so make sure that the outside of the windscreen is free from snow and ice before you switch on the ignition.

Service position

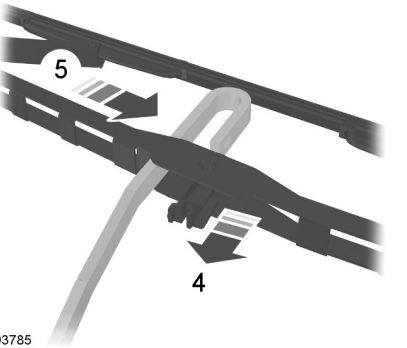
1. Turn the ignition key to position **0** from position **II**.
2. Pull the washer lever towards the steering wheel within three seconds.



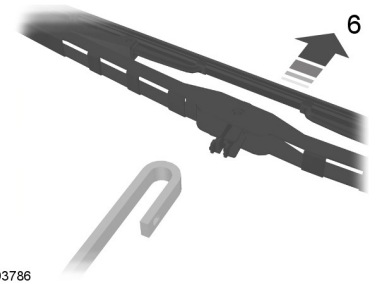
E93783



E93784



E93785



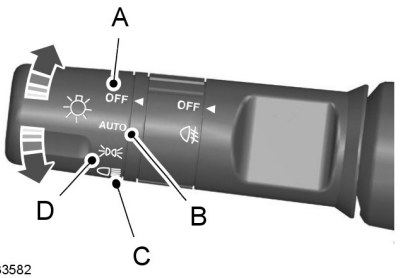
E93786

Note: *Make sure that the wiper blade locks into place.*

Install in the reverse order.

LIGHTING CONTROL

Lighting control positions



E133582

A Off
B Auto-light control
C Headlamps
D Side and tail lamps

Parking lamps

CAUTION

Prolonged use of the parking lamps will discharge the battery.

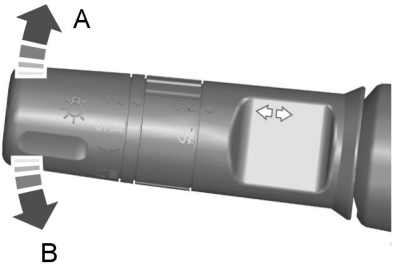
Switch off the ignition.

Both sides

Set the lighting control to position **D**.

One side

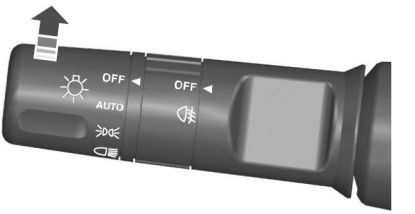
Note: *The parking lamp has to be switched on within 10 minutes from the key out. If exceeded, the key has to reinserted.*



E131285

A Right-hand side
B Left-hand side

Main and dipped beam



E133583

Push the lever forward to switch between main and dipped beam.

Headlamp flasher

Pull the lever towards the steering wheel.

Home safe lighting

Switch the ignition off and pull the direction indicator lever towards the steering wheel or if you have switched autolamps on, turn the key from position **II** to **I** or **0** to switch the headlamps on.

You will hear a short tone. The headlamps will go off automatically after three minutes with any door open, or 30 seconds after the last door has been closed.

With all doors closed, but within the 30 second delay, opening any door will result in the three minute timer starting again.

The home safe lights can be cancelled by either pulling the direction indicator lever towards the steering wheel again or by turning the ignition switch on.

Approach lamps

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 a door is opened the light will stay on until the door is closed, ignition is turned on or for 10 minutes.

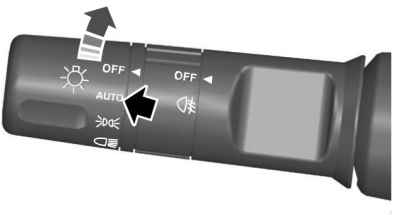
Emergency stop lights

Hazard warning flashers or fog lights will come on when the brake is applied suddenly at a speed above 50 km/h (30 mph).

AUTOLAMPS

WARNING

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



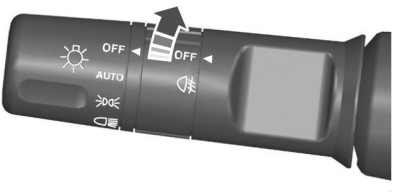
E133599

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

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

FRONT FOG LAMPS

Control lever



E133585

WARNING

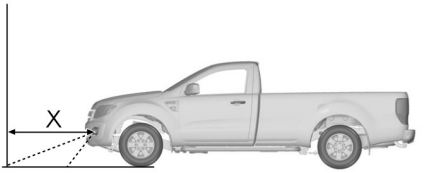
Only use the front fog lamps when visibility is considerably restricted by fog, snow or rain.

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

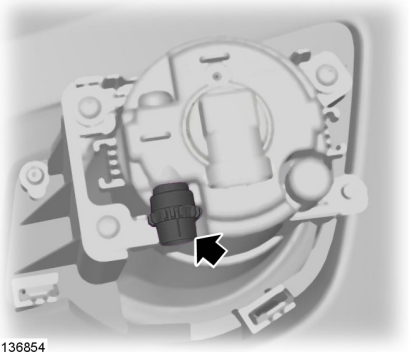
Adjustment

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

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



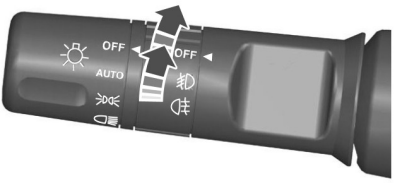
E136853



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).

REAR FOG LAMPS



E136254

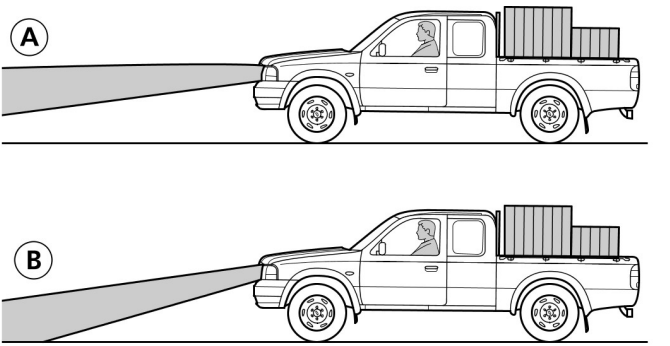
WARNINGS

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

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

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

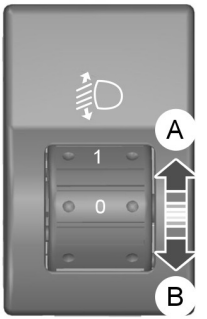
HEADLAMP LEVELLING



E78244

A Without headlamp levelling
B With headlamp levelling

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



E133544

A Raised headlamp beams
B Lowered headlamp beams

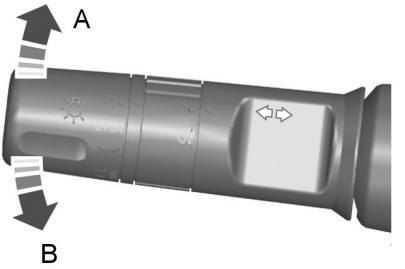
Set the headlamp levelling control to zero when your vehicle is unloaded. Set it to provide illumination between 35 and 100 metres (114 and 328 feet) when your vehicle is partially or fully loaded.

HAZARD WARNING FLASHERS



For item location: See **At a Glance** (page 9).

DIRECTION INDICATORS

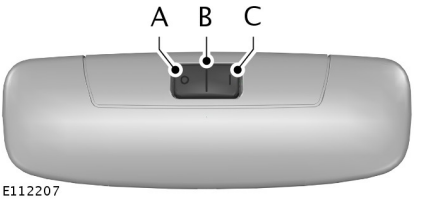


E131285

A Right-hand side
B Left-hand side

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.

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.

CHANGING A BULB

WARNINGS

Switch the lights and the ignition off.

Let the engine compartment and the bulb cool down before removing it.

CAUTION

Only fit bulbs of the correct specification. See **Bulb Specification Chart** (page 53).

Note: *The following instructions describe how to remove the bulbs. Fit replacements in the reverse order unless otherwise stated.*

You may notice fogging or small water droplets in the lamp units from time to time. This does not affect the function of the lamp, and will clear when the lamps are turned on and the vehicle is driven.

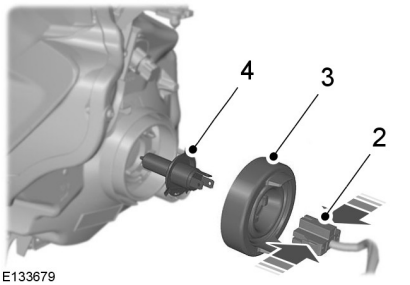
Note: *If in any doubt about any of the following bulb replacement procedures, please have the bulb replaced by your Authorised Ford Dealer.*

Headlamp main and dipped beam

CAUTIONS

Do not touch the glass of the bulb.

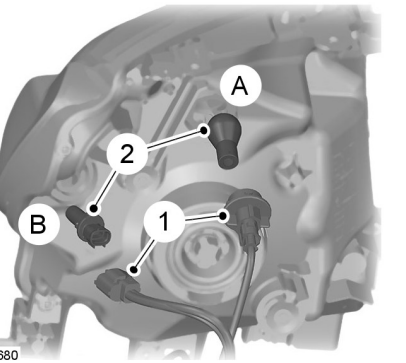
Ensure bulb is correctly seated before replacing the spring clip. Checking the bulb location through the front of the headlamp lens can be a useful aid to ensuring the bulb is correctly aligned.



1. Open the bonnet. See **Opening and Closing the Bonnet** (page 141).
2. Disconnect the electrical connector by pressing in the spring releases on both sides of the connector.
3. Remove the rubber boot.
4. Release the bulb retaining spring clip and remove the bulb.
5. Insert the replacement bulb and retain it using the spring clip.

Note: *Ensure that the rubber boot seals correctly against the bulb and headlight housing and that it is not out of shape while installing.*

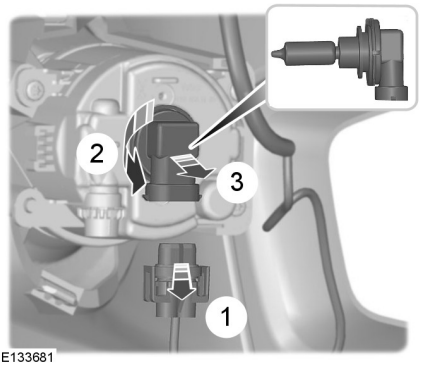
Side lamps and front direction indicators



A Direction indicator
B Side lamp

1. Remove the bulb holder from the headlamp assembly.
2. Remove the bulb.

Front fog lamps

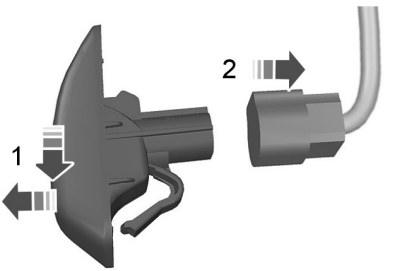


E133681

Note: *You cannot separate the bulb from the bulb holder.*

1. Disconnect the electrical connector.
2. Turn the bulb holder anti-clockwise and remove it.

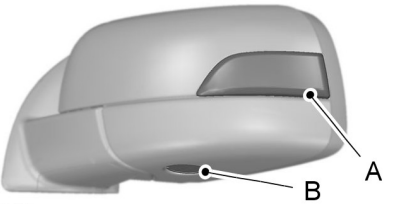
Side repeaters



E133682

1. Slide the lens to the rear and remove it.
2. Disconnect the electrical connector.

Exterior mirror lamps



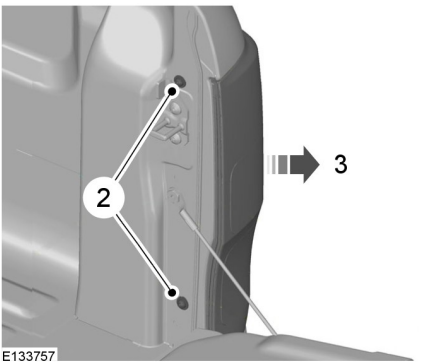
E133683

A Side repeater lamp
B Puddle lamp

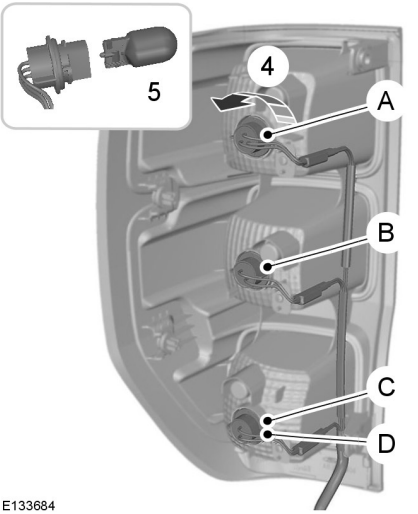
Note: *These are not serviceable items, please consult your dealer if they fail.*

Rear lamps

Type 1



E133757

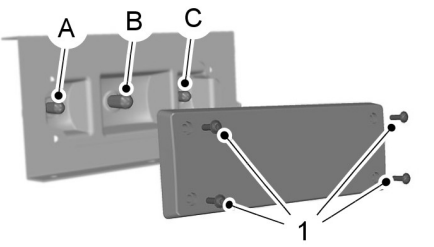


E133684

A Tail and brake lamp
B Direction indicator
C Reversing lamp
D Fog lamp (left-hand side for LHD)

1. Open the tailgate.
2. Remove the screws.
3. Remove the rear lamp.
4. Turn the bulb holder anti-clockwise and remove it.
5. Remove the bulb.

Type 2



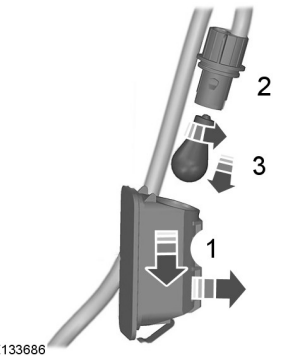
E133685

A Direction indicator
B Tail and brake lamp
C Reversing lamp

1. Remove the screws.
2. Remove the lens.
3. Remove the bulb.

Number plate lamp

Type 1

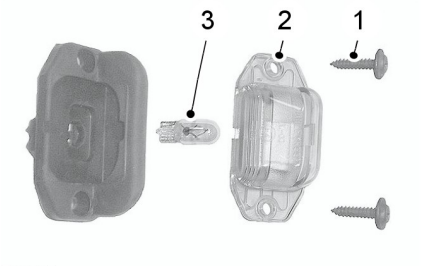


E133686

1. Slide the unit away from the connector and remove it.

2. Remove the connector with bulb.
3. Remove the bulb.

Type 2

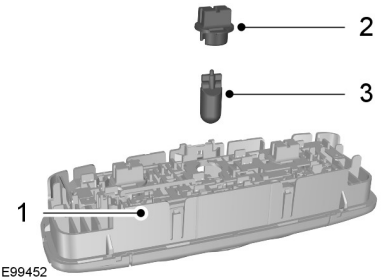


E133687

1. Remove the screws.
2. Remove the lens.
3. Remove the bulb.

Interior lamp

Stretch and double cab

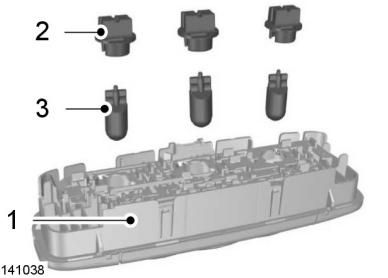


E99452

1. Carefully prise out the lamp.
2. Turn the bulb holder anti-clockwise and remove it.
3. Remove the bulb.

Front reading lamps

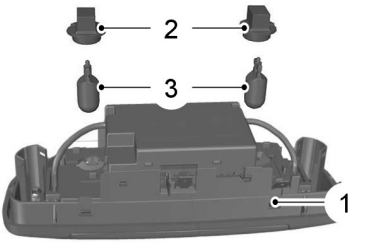
Without alarm sensor

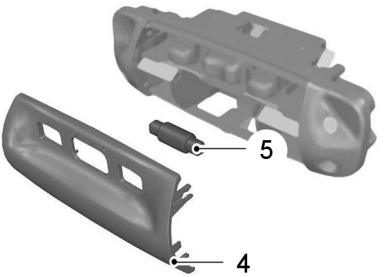


E141038

1. Carefully prise out the lamp.
2. Turn the bulb holder anti-clockwise and remove it.
3. Remove the bulb.

With alarm sensor



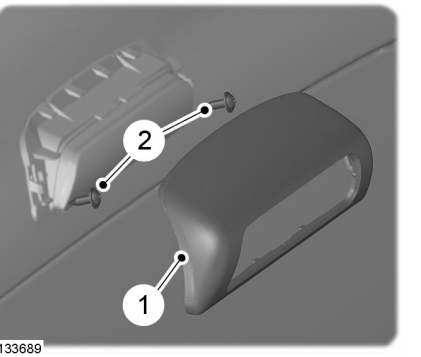


E140992

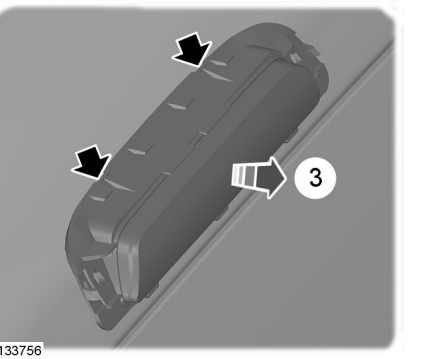
- Carefully prise out the lamp.
- For reading lamps, turn the bulb holder anti-clockwise and remove it.
- Remove the bulb.
- For centre lamp, carefully prise out the lamp lens.
- Remove the bulb.

Centre high mount stop lamp

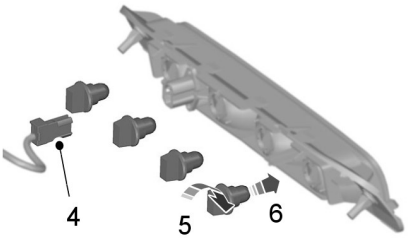
Type 1



E133689



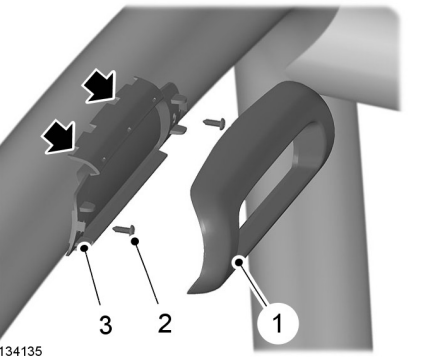
E133756



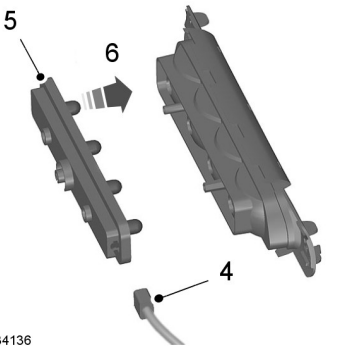
E133755

1. Remove the cover.
2. Remove the screws.
3. Carefully prise out the lamp.
4. Disconnect the electrical connector.
5. Remove the bulb holder by turning it to 45 degree anticlockwise.
6. Remove the bulbs.

Type 2



E134135



E134136

1. Remove the cover.
2. Remove the screws.
3. Carefully prise out the lamp.
4. Disconnect the electrical connector.
5. Pull out the bulb holder.
6. Remove the bulbs.

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
Reading lamp	W5W	5
Centre 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.

POWER WINDOWS

WARNING

Do not operate the electric windows unless they are free from obstruction.

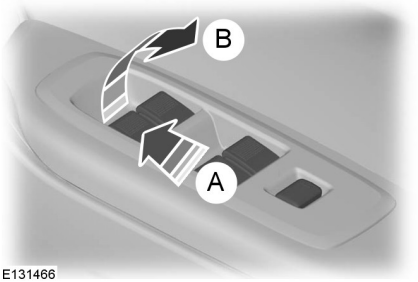
Note: *If you operate the switches often during a short period of time, the system might become inoperable for a certain time to prevent damage due to overheating.*

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.*

Switch on the ignition to operate the electric windows.

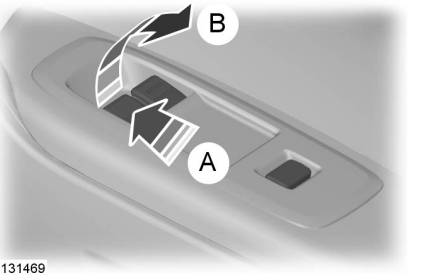
Driver's door switches (Double cab)

You can operate all the windows with the switches on the door trim panel of the driver's door.



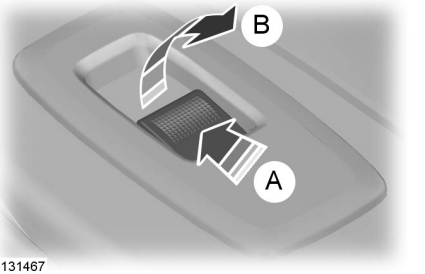
A Open
B Close

Driver's door switches (Single and Stretch cab)



A Open
B Close

Front and rear passengers' door switches



A Open
B Close

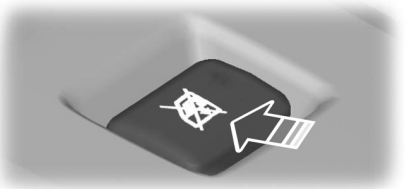
Opening and closing the windows automatically

Press or lift the switch to the second action point and release it. Press or lift it again to stop the window.

Safety switch for the rear windows

Note: *You can always operate the rear windows and front passenger window from the driver's door if global opening and closing is fitted.*

Note: *Only vehicles with global opening and closing will have a light on the switch to indicate that it is active.*



E131468

A switch in the driver's door disables the rear and front passenger electric window switches.

The light in the safety switch comes on and the lights in the rear window switches go off when the rear windows are disabled.

Resetting the memory of the electric windows

WARNING

The anti-trap function is deactivated until you have reset the memory.

After the battery has been disconnected from the vehicle you must reset the memory separately for each window:

1. Lift the switch until the window is fully closed. Hold the switch lifted for one more second.
2. Release the switch and lift it again, until a click is heard from the relay, for one more second.
3. Open the window and try to close it automatically.
4. Repeat the procedure if the window does not close automatically.

Safety mode

WARNING

The anti-trap function is not active during this procedure.

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 again. Close the windows by pressing the switch again when the windows stop moving. Have this checked immediately.

Global opening and global closing (GO/GC) (If fitted)

You can also operate the electric windows for one minute with the ignition off via the global opening and global closing function. See **Global Opening and Closing** (page 33).

Note: *Global opening and global closing will open or close the windows automatically only on vehicles equipped with this feature.*

Note: *Global closing will only operate if you have set the memory correctly for each window. Memory is set by default, you have to reset it only if there is a problem.*

Anti-trap function (vehicles with GO/GC only)

WARNING

Careless closing of the windows can override the protection function and cause injuries.

The electric windows will stop automatically while closing (auto-up) and reverse some distance if there is an obstacle in the way.

Overriding the anti-trap function

CAUTION

While you close the window (auto-up) for the third time with the obstacle in the way, the anti-trap function is disabled. Make sure there are no obstacles in the way of the closing window.

To override this protection function when there is a resistance, for example, in the winter, proceed as follows:

1. Close the window twice until it reaches the resistance and let it reverse.
2. Close the window a third time to the resistance. The anti-trap function is disabled and you cannot close the window automatically. The window will override the resistance and you can fully close it manually.
3. If the window does not close after the third attempt, have it checked by a properly trained technician.

EXTERIOR MIRRORS

WARNING

Do not overestimate the distance of the objects that you see in the convex mirror. Objects seen in convex mirrors will appear smaller and further away than they actually are.

Manual folding mirrors

Folding

Push the mirror towards the door window glass.

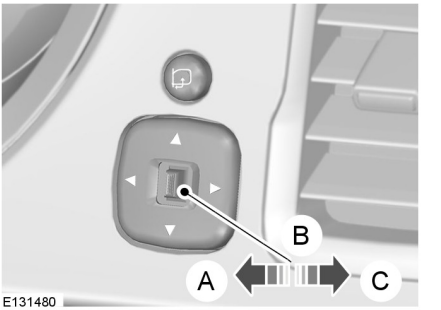
Unfolding

Make sure that you fully engage the mirror in its support when returning it to its original position.

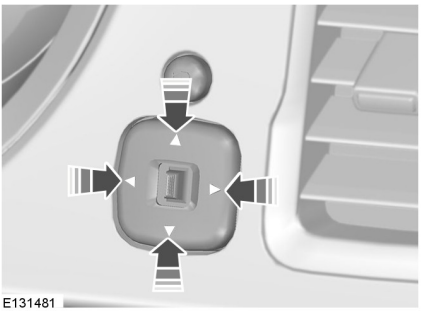
ELECTRIC EXTERIOR MIRRORS

WARNING

Do not overestimate the distance of the objects that you see in the convex mirror. Objects seen in convex mirrors will appear smaller and further away than they actually are.

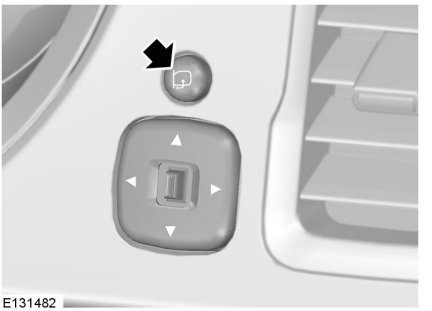


A Left-hand mirror
B Off
C Right-hand mirror



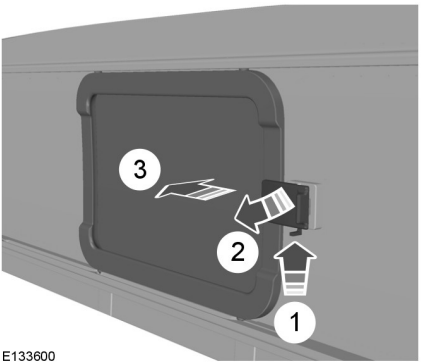
The electric exterior mirrors are fitted with a heating element that will defrost or demist the mirror glass. See **Heated Windows and Mirrors** (page 73).

Electric folding mirrors


E131482

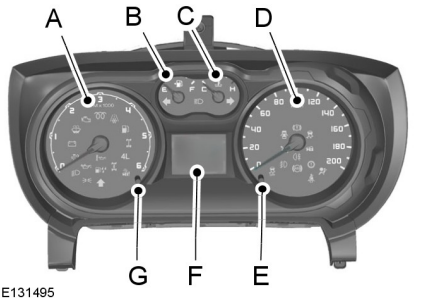
To fold and unfold the mirrors, briefly press the switch. If the switch is pressed again while the mirrors are moving, they will stop and reverse the direction of movement.

SLIDING WINDOWS



E133600

GAUGES



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

Engine coolant temperature gauge

Shows the temperature of the engine coolant. At normal operating temperature, the needle will remain in the centre section.

CAUTION

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 **Engine Coolant Check** (page 150).

Fuel gauge

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

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



The immobiliser 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 the ignition warning lamp comes on when you are driving, switch off all unnecessary electrical equipment and have this checked immediately Have this checked by an expert.

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.

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 149).

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 **Four-Wheel Drive** (page 94).

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 **Four-Wheel Drive** (page 94).

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 **Four-Wheel Drive** (page 94).

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 151).

Washer fluid level indicator



It illuminates when the windshield washer fluid level goes below the minimum mark. See **Washer Fluid Check** (page 152).

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 +4ºC (39ºF) 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 4ºC and 0ºC (39ºF and 32ºF). It will glow red when the temperature is below 0ºC (32ºF).

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 87).

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.

Main beam indicator



The main beam indicator will come on when you switch the headlamp main 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.

Seat belt indicator



See **Seat belt reminder** (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 10km/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's 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.

Turn indicator

The turn indicator chime will sound when the left or right turn 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.

Seat belt reminder

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

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 second 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's 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.

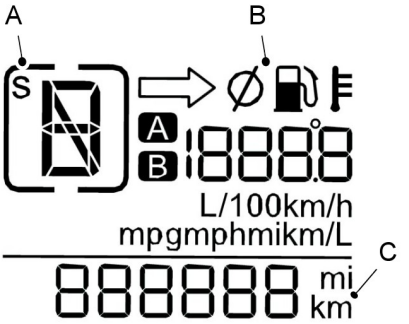
Note: *This feature is default off. To activate it, contact your Ford dealer.*

GENERAL INFORMATION

WARNING

Do not operate the information display controls when the vehicle is moving.

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



E136109

A Gear display (auto transmission only)

B Trip computer display

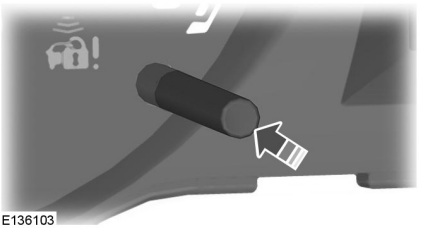
C Odometer display

Odometer

Registers the total mileage of the vehicle.

TRIP COMPUTER

Controls



E136103

For item location: See **Gauges** (page 58).

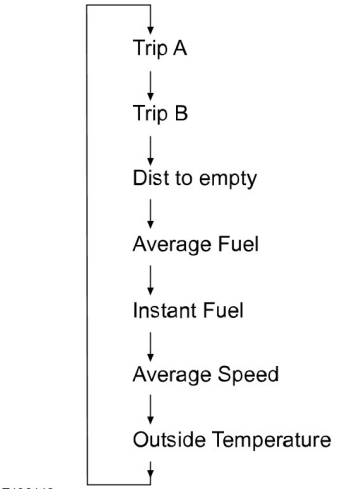
Press the **SET/RESET** button less than 2 seconds to:

- Select between the trip computer displays

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

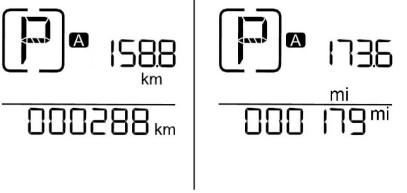
- Reset trip A
- Reset trip B
- Reset average fuel consumption
- Reset average speed

The trip computer display includes the following information displays:

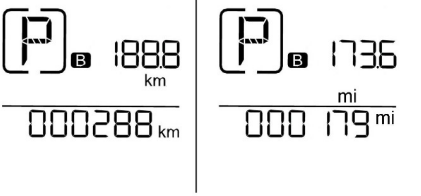


E136110

Tripmeter (A and B)



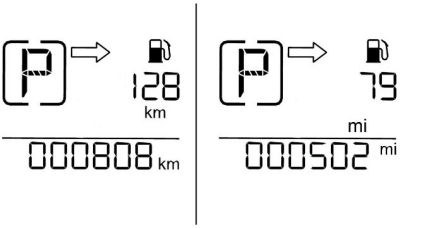
E138112



E138113

Registers the mileage of individual journeys.

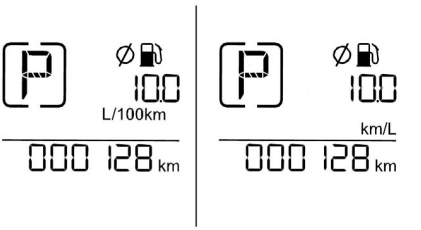
Distance to empty



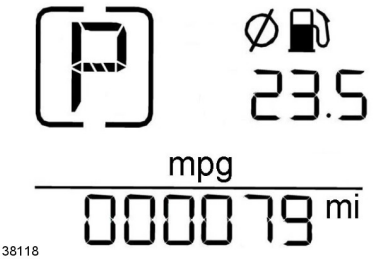
E138114

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



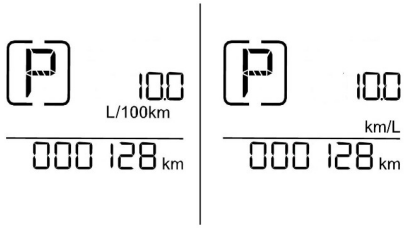
E138117



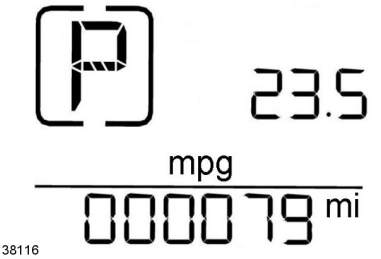
E138118

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

Instantaneous fuel consumption



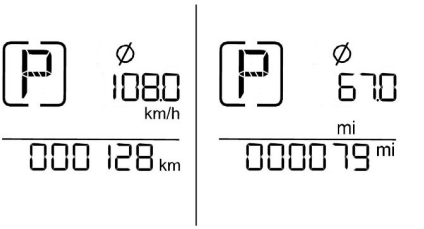
E138115



E138116

Indicates the current average fuel consumption.

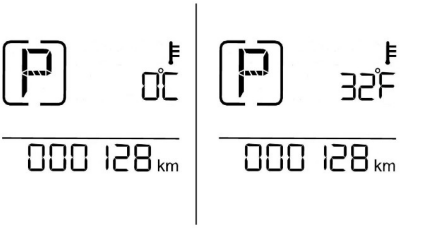
Average speed



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.*

PERSONALISED SETTINGS

Language setting



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 58). and switch ignition to on.
2. The display will show the language set menu active.
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.

PRINCIPLE OF OPERATION

Outside air

Keep the air intakes forward of the windscreen free from obstruction (snow, leaves etc.) to allow the climate control system to function effectively.

Recirculated air

CAUTION

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

The air currently in the passenger compartment will be recirculated. Outside air will not enter the 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 4°C (39°F).*

Note: *If you use the air conditioning, the fuel consumption of your vehicle will be higher.*

Air is directed through the evaporator where it is cooled. Humidity is extracted from the air to help keep the windows free of mist. The resulting condensation is directed to the outside of the vehicle and it is therefore normal if you see a small pool of water under your vehicle.

General information on controlling the interior climate

Fully close all the windows.

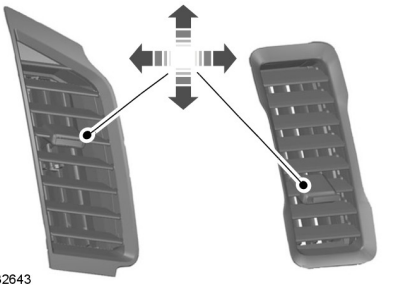
Warming the interior

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

Cooling the interior

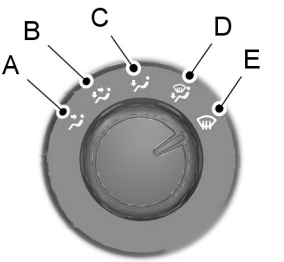
Direct the air towards your face.

AIR VENTS


E132643

MANUAL CLIMATE CONTROL

Air distribution control



E132661

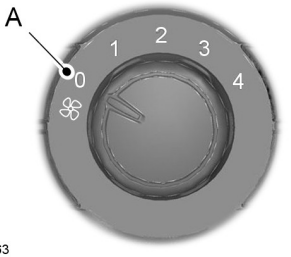
A Face level

B Face level and footwell

C	Footwell
D	Footwell and windscreen
E	Windscreen

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

Blower



E132663

A	Off

Temperature control



E132662

Blue	Cold
Red	Warm
A/C MAX	Maximun cooling

Recirculated air

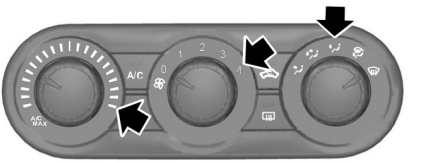


Press the recirculated air button to toggle between outside air and recirculated air.

System settings

Note: *Set all controls to the positions shown.*

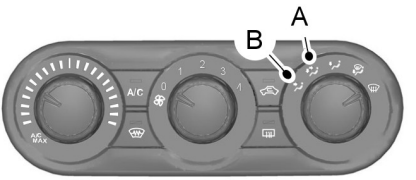
Heating the interior quickly



E132666

Select the outside air.

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.

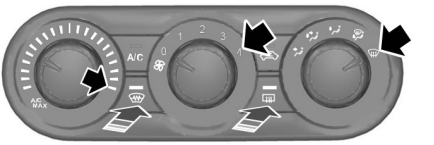
Cooling the interior quickly



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.

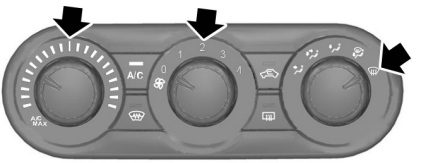
Defrosting and demisting the windscreen quickly



E132665

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

Reducing interior air humidity



E132670

Selecting air to windscreen 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 (22ºC (71ºF) is preferred).*

Note: *If the climate control is operated, information relating to this system is displayed in the information display. See* ***Information Displays*** *(page 64).*

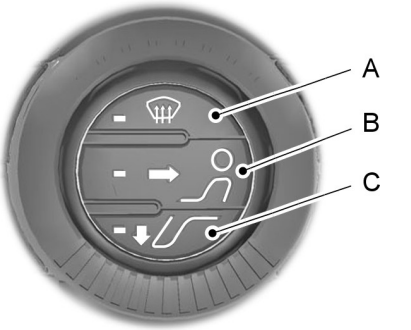
Note: *Avoid adjusting the settings when the vehicle interior is extremely hot or cold. The automatic climate control adjusts to the current circumstances automatically. For the system to function properly, the side and centre vents should be fully open.*

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 windscreen and the side windows as long as the engine is cold.*

Air distribution control



E132685

A	Windscreen
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



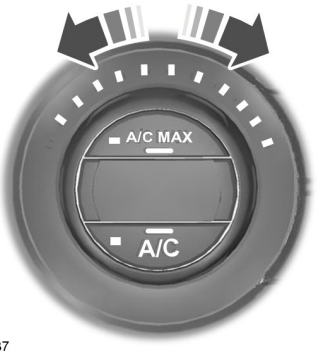
E132686

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

When the blower speed is controlled manually by operationg 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 16ºC (61ºF) and 28ºC (82ºF) in steps of 0.5ºC (1ºF). In position **LO** (below 16ºC (61ºF)) the system will switch to permanent cooling, in **HI** (above 28ºC (82ºF)) 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 4ºC (8ºF).

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

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 maximise cooling of the interior. Once the selected temperature is reached, the system will reselect outside air automatically.*

Cooling the interior quickly



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.

Windscreen defrosting and demisting



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

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

Heated windows

Use the heated windows to defrost or demist the windscreen or rear window.

Note: *The heated windows operate only when the engine is running.*

Note: *The heated windows will automatically switch off after a preset time.*

Heated windscreen



Press the heated windscreen button to switch the heated windscreen on and off.

Heated rear window

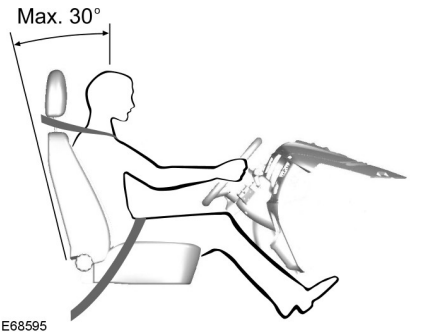


Press the heated rear window button to switch the heated rear window on and off.

Heated exterior mirrors

Heated exterior mirrors are fitted with a heating element that will defrost or demist the mirror glass. They will switch on automatically when you switch the heated rear window on.

SITTING IN THE CORRECT POSITION



WARNINGS

Do not adjust the seats when the vehicle is moving.

Only when you use the seat belt properly, can it hold you in a position that allows the airbag to achieve its optimum effect.

When you use them properly, the seat, head restraint, seat belt and airbags will provide optimum protection in the event of a collision. We recommend that you:

- 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 forwards as possible, remaining comfortable.
- keep sufficient distance between yourself and the steering wheel. We recommend a minimum of 250 millimetres (10 inches) between your breastbone and the airbag cover.
- hold the steering wheel with your arms slightly bent.
- bend your legs slightly so that you can press the pedals fully.
- position the shoulder strap of the seat belt over the centre 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.

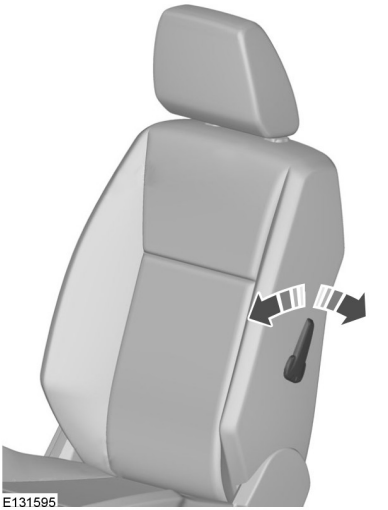
FRONT SEATS

WARNINGS

Do not use any accessory seat covers that are not specifically designed for seats with side airbags. These seat covers must be fitted by properly trained technicians.

Do not adjust the seats when the vehicle is moving.

Adjusting the lumbar support



Moving the seats backwards and forwards (Manual seats)


E131590

WARNING

Rock the seat backwards and forwards after releasing the lever to make sure that it is fully engaged in its catch.

CAUTION

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

Adjusting the height of the driver's seat (Manual seats)


E131593

Each pull or press on the lever will raise or lower the height by a small amount.

Adjusting the angle of the seatback (Manual seats)


E131592

WARNINGS

Rock the seatback backwards and forwards after releasing the lever to make sure that it is fully engaged in its catch.

If the front passenger seat has been moved forwards, rock the seat backwards and forwards after releasing the lever to make sure that it is fully engaged in its catch.

Front seat - Stretch cab



E136219

Note: *On stretch cab vehicles the front passenger seat can be adjusted to allow the rear passenger to gain easier access.*

Folding the seat backrest (Bench seat - Single cab)



E135862

Moving the seats backwards and forwards (Electric seats)



E131591

CAUTION

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

Adjusting the height of the driver's seat (Electric seats)



E131594

Adjusting the angle of the seatback (Electric seats)



E131596

Tilting the seat (Electric seats)



E131607

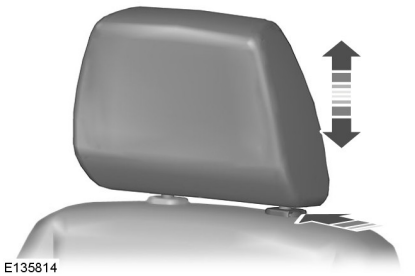
HEAD RESTRAINTS

Adjusting the head restraint

WARNINGS

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

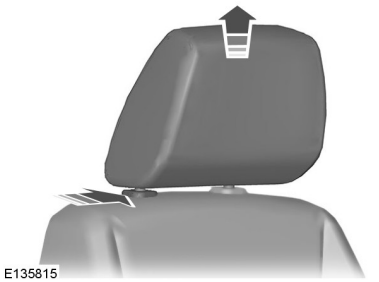
When using a forward facing child restraint on a rear seat, always remove the head restraint from that seat.


E135814

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

Removing the head restraint

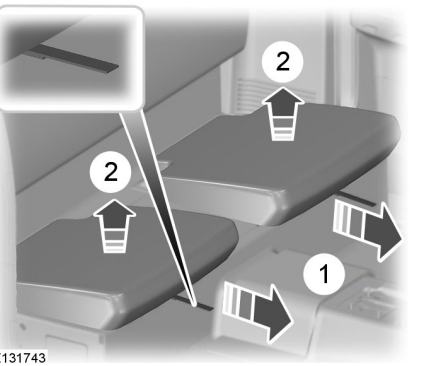
Press the locking button using a suitable tool and remove the head restraint.


E135815

REAR SEATS

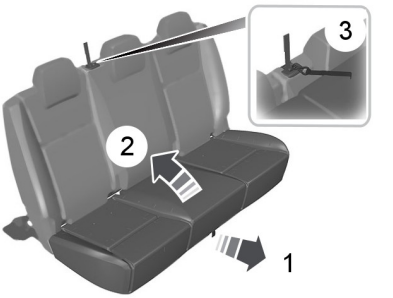
Folding the rear seat cushion

Stretch cab



E131743

Double cab



E133361

CAUTION

When the cushion is folded down, the cushion tether strap must be stowed in the pocket provided.

Folding the rear seatback - Double cab

WARNING

When folding the seatbacks down, take care not to get your fingers caught between the seatback and seat frame.

CAUTIONS

Do not use the rear surface of the rear seat back as a load floor.

Do not de-latch and fold the seat back when the seat cushion is folded up.



E131744

To fold the seatback down

1. Pull the release strap upwards.
2. Push the seatback forwards.

To return the seatback to its upright position:

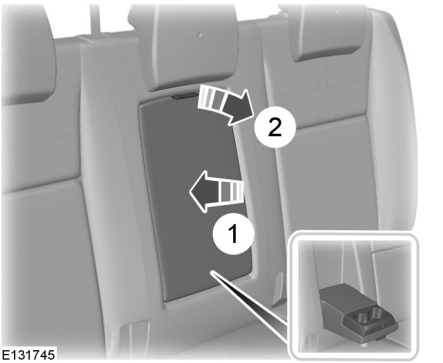
1. Push the seatback to the upright position.

WARNINGS

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

Make sure that the rear seatback is secure and fully engaged in its catches

Rear seat arm rest



E131745

1. Push the arm rest into the seat back and hold.
2. Pull the strap to release.

HEATED SEATS

CAUTION

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



E131536

The seat heating will operate only when the ignition is switched on.

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

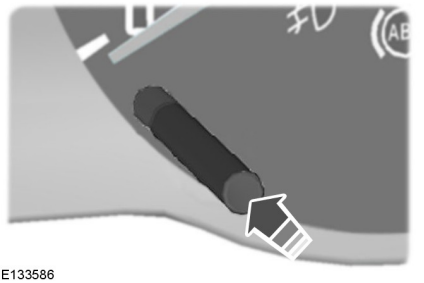
The seat heating will remain on until either the heated seat switch or the ignition is turned off.

CLOCK

For detailed instructions on how to adjust the clock. See **Setting the clock on the audio unit** (page 200).

INSTRUMENT LIGHTING DIMMER

Note: *Adjusting the illumination dimmer switch will alter the illlumination level of the interior displays and switches.*



E133586

For item location: See **Gauges** (page 58).

Press the dimming button to step the illumination dimming level in large steps.

Press and hold the dimming button to adjust the illumination dimming level smoothly in fine adjustment levels.

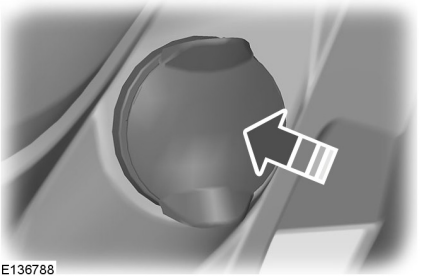
CIGAR LIGHTER

CAUTIONS

If you use the socket when the engine is not running, the battery may discharge.

Do not hold the cigar lighter element pressed in.

Note: *You can use the socket to power 12 volt appliances that have a maximum current rating of 10 Amperes. Use only Ford accessory connectors or connectors specified for use with SAE standard sockets.*



E136788

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

For item location: See **At a Glance** (page 9).

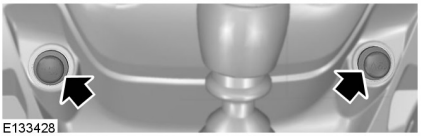
ASHTRAY

Note: *The removable ashtray can be placed in any of the front or rear cup holders.*



E136222

AUXILIARY POWER POINTS


E133428

CAUTION

If you use the auxiliary power socket when the engine is not running, the battery may discharge.

Note: *You can use the socket when the ignition is switched off.*

You can use the auxiliary power socket to power 12 volt appliances that have a maximum current rating of 10 Amperes. Use only Ford accessory connectors or connectors specified for use with SAE standard sockets. For item location: See **At a Glance** (page 9).

CUP HOLDERS

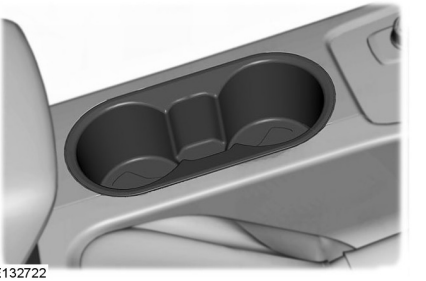
WARNINGS

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

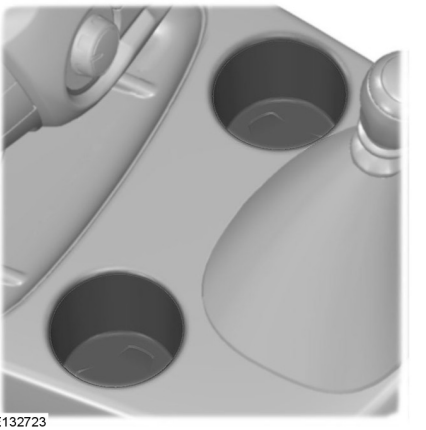
Do not place glass objects in the cup holders.

Front cup holders

Type 1


E132722

Type 2


E132723

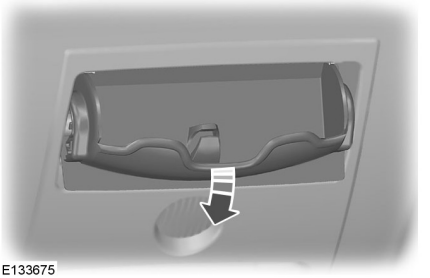
Rear cup holders

Type 2



E132724

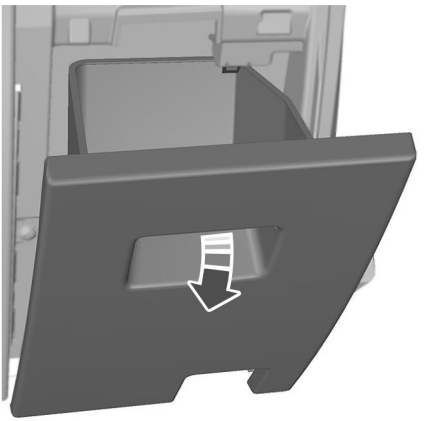
GLASSES HOLDER



E133675

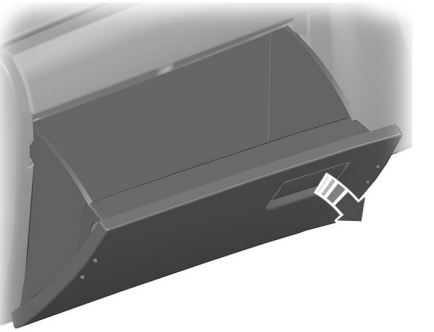
STORAGE COMPARTMENTS

Driver side



E133607

Passenger side



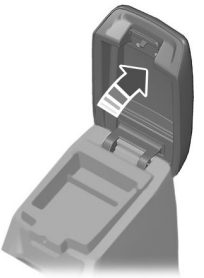
E136461

Centre stack



E167185

Centre console



E136462



E136463

AUXILIARY INPUT SOCKET

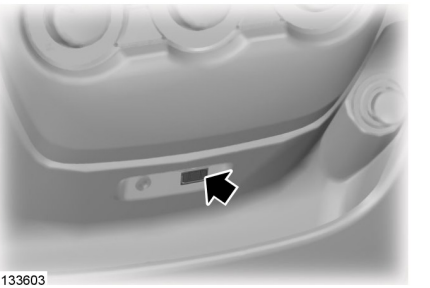


E133606

For item location see: See **At a Glance** (page 9).

See **Auxiliary input (AUX IN) socket** (page 212).

USB PORT

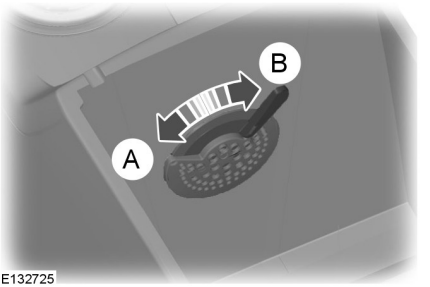


E133603

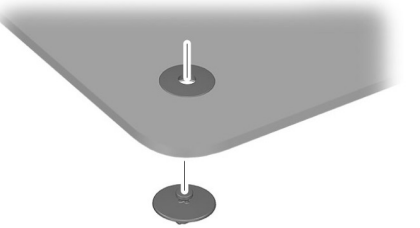
For item location: See **At a Glance** (page 9).

See **Connectivity** (page 236).

COOL BOX



E132725


E136481

A Open
B Close

The cold air flow inside the cool box can be adjusted using the control lever.

FLOOR MATS

WARNINGS

When using the floor mats, always make sure the floor mat is properly secured using the appropriate fixings and positioned so that it does not interfere with the operation of the pedals.

Do not install additional floor mats on top of the factory installed floor mats.

GENERAL INFORMATION

General points on starting

If the battery has been disconnected the vehicle may exhibit some unusual driving characteristics for approx. 8 kilometres (5 miles) after reconnecting the battery.

This is because the engine management system must realign itself with the engine. Any unusual driving characteristics during this period may be disregarded.

Starting the engine by towing or pushing

WARNING

To prevent damage you must not push or tow start your vehicle. Use booster cables and a booster battery. See **Jump-Starting the Vehicle** (page 158).

IGNITION SWITCH

WARNING

Never return the key to position **0** or **I** when the vehicle is in motion.



E72128

0 The ignition is off.

I The ignition and all main electrical circuits are disabled.

Note: *Do not leave the ignition key in this position for too long to avoid discharging the battery.*

II The ignition is switched on. All electrical circuits are operational. Warning lamps and indicators illuminate. This is the key position when driving. You must also select it when being towed.

III The starter motor is activated. Release the key as soon as the engine starts.

STEERING WHEEL LOCK

When you remove the key from the ignition switch, the steering column lock is activated as soon as you turn the steering wheel.

The steering will be unlocked when the key is moved to position **ACC**.

STARTING A PETROL ENGINE

Note: *You can only operate the starter for a limited period of time, for example 10 seconds. The number of start attempts is limited to approximately six. If you exceed this limit, the system will not allow you to try again until a period of time has elapsed, for example 30 minutes.*

Cold or hot engine

Vehicles with manual transmission

Note: *Do not touch the accelerator pedal.*

Note: *Releasing the clutch pedal during engine start may 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 during engine start may 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.

All vehicles

If the engine does not start, 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 -25ºC (-13ºF), 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. Move the transmission selector lever to position P or N.
2. Fully depress the accelerator pedal and hold it there.
3. Fully depress the brake pedal.
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 will vary depending on the engine temperature.

The idle speed is automatically increased when the engine is cold this is to heat the catalytic converter. This keeps the vehicle emissions to an absolute minimum.

The idle speed will slowly decrease to the normal level as the catalytic converter warms up.

STARTING A DIESEL ENGINE

Cold or hot engine

All vehicles

Note: *When the temperature is below -15ºC (5ºF), you may need to crank the engine for up to 25 seconds.*

Note: *Continue cranking the engine until it starts.*

Note: *You can only operate the starter for a maximum of 30 seconds at a time.*



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

Vehicles with manual transmission

Note: *Do not touch the accelerator pedal.*

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

Vehicles with automatic transmission

1. Select park or neutral.
2. Fully depress the brake pedal.
3. Start the engine.

DIESEL PARTICULATE FILTER

The DPF forms part of the emissions reduction systems fitted to 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 DPF regeneration process creates very high exhaust gas temperatures and the exhaust will radiate a considerable amount of heat during and after DPF regeneration, and after you have switched the engine off. This is a potential fire hazard.

CAUTION

Avoid running out of fuel.

Unlike a normal filter which requires periodic replacement, the DPF has been designed to regenerate, or clean itself to maintain operating efficiency. The regeneration process takes place automatically. However, some driving conditions mean that you may need to support the regeneration process.

If you drive only short distances or your journeys contain frequent stopping and starting, where there is increased acceleration and deceleration, occasional trips with the following conditions will assist the regeneration process:

- Drive your vehicle at a constant speed, preferably on a main road or motorway, for up to 20 minutes.
- Avoid prolonged idling and always observe speed limits and road conditions.
- Do not switch off the ignition.
- Use a lower gear than normal to maintain a higher engine speed during this journey, where appropriate.

SWITCHING OFF THE ENGINE

Vehicles with a turbocharger

CAUTION

Do not switch the engine off when it is running at high speed or immediately after heavy towing. 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.

SAFETY PRECAUTIONS

WARNINGS

Stop refuelling 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 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.

FUEL QUALITY - PETROL

CAUTION

Do not use leaded petrol or petrol 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: *The use of additives or other engine treatments not approved by Ford is not recommended.*

Note: *Ethanol blended fuels up to 20% (E20) is acceptable to be used in this vehicle.*

Use **minimum 91 octane unleaded** petrol that meets the relevant national specification.

FUEL QUALITY - DIESEL

WARNING

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

CAUTIONS

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

Use diesel that meets the relevant national specification.

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

Note: *The use of additives or other engine treatments not approved by Ford is not recommended.*

Note: *Bio-diesel blended fuels up to 10% (B10) is acceptable to be used in this vehicle.*

Long-term storage

Most diesel fuels contain bio-diesel, it is recommended to fill the tank with purely mineral diesel (where available) or add an anti-oxidant prior to long-term storage of your vehicle exceeding two months. Your dealer can help you with a suitable anti-oxidant.

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

CAUTIONS

Avoid running out of fuel.

Do not crank the engine for long periods.

CAUTIONS

Do not push-start or tow-start your vehicle. Use booster cables. See **Jump-Starting the Vehicle** (page 158).

Do not switch the ignition off when driving.

FUEL FILLER FLAP

WARNINGS

Take care when refuelling to avoid spilling any residual fuel from the fuel nozzle.

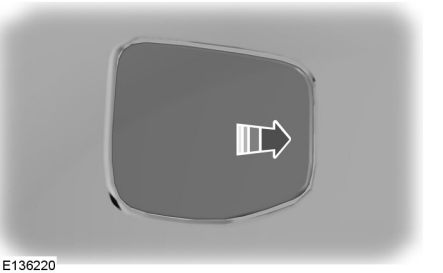
Do not use any kind of flames or heat near the fuel system. The fuel system is under pressure. There is a risk of injury if the fuel system is leaking.

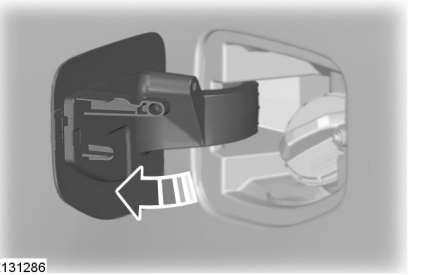
CAUTION

If you use a high pressure spray to wash your vehicle, only spray the fuel filler flap briefly from a distance not less than 20 centimetres (8 inches).

Note: *Central locking also locks and unlocks the fuel filler flap. See* ***Locking and Unlocking*** *(page 30).*

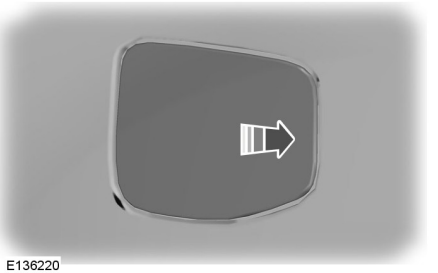
Vehicles equipped with cap system

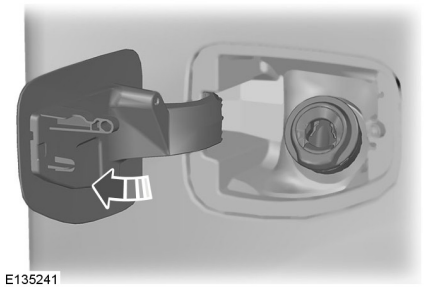

E136220


E131286

1. Press the flap to open it.
2. Open the flap fully until it engages. Turn the fuel filler cap anti-clockwise.
3. When the filler cap is removed , a hissing noise may be heard. This is normal and should be disregarded.
4. To close, turn the fuel filler cap clockwise until it clicks.
5. Close and push the fuel filler flap to lock it.

Vehicle equipped with capless system


E136220


E135241

1. Press the flap to open it.
2. Close and push the fuel filler flap to lock it.

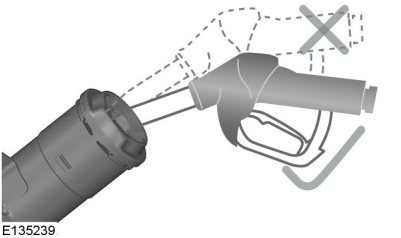
When you insert the fuel nozzle, a spring loaded inhibitor will open if the correct size nozzle is detected. This helps to avoid filling up with the wrong fuel.

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

Filling

WARNING

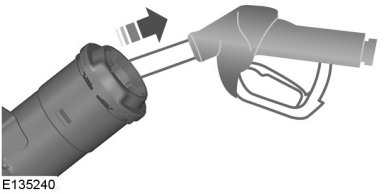
Stop refuelling after the fuel nozzle stops the second time. Additional fuel will fill the expansion space in the fuel tank which could lead to fuel overflowing. Fuel spillage could be hazardous to other road users.


E135239

Fully insert the fuel nozzle. Lower the nozzle so that it locks in place on the fuel pipe opening. Keep it resting at this position and initiate refuelling by pulling the trigger.

WARNING

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.


E135240

Slightly raise the fuel nozzle to remove it.

REFUELLING

CAUTION

Do not attempt to start the engine if you have filled the fuel tank with the incorrect fuel. This could damage the engine. Have the system checked by a properly trained technician immediately.

FUEL CONSUMPTION

The CO2 and fuel consumption figures are derived from laboratory tests according to EEC Directive 80/1268/EEC and subsequent amendments and 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 and towing etc.

Your Ford dealer can give you advice on improving your fuel consumption.

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

Variant	Urban	Extra-Urban	Combined	CO2 Emissions
	l/100 km (mpg)	l/100 km (mpg)	l/100 km (mpg)	g/km
Vehicles with a 2.2L 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
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

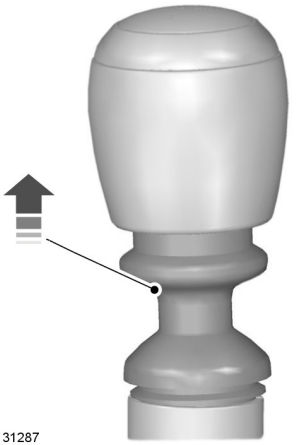
MANUAL TRANSMISSION

Selecting reverse gear

CAUTION

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

Note: *Fully depress the clutch pedal and wait for three seconds before you select reverse gear.*

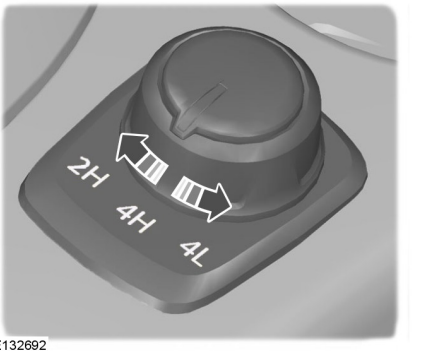


E131287

On some vehicles it is necessary to raise the collar whilst selecting reverse gear.

FOUR-WHEEL DRIVE

Note: *A clicking sound from the driveline 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.

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 58).*

Use for off-road driving.

Four-wheel drive, low range (4L)

WARNING

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

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 58).*

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.

Shifting between 2H and 4H

Note: *When shifting to **2H**, all the stability control (ESP) functions are reactivated.*

This can be done with the vehicle moving up to 110 km/h (68 mph), but only with the accelerator pedal released. During the shift the indicator lamp will flash.

Shifting between 2H and 4L

Note: *When shifting to **4L** the Engine Traction Control and Trailer Stability Control are deactivated. Hill Descent Control, Hill Start Assist and Brake Traction Control remain active.*

Note: *When shifting to **2H**, all the stability control (ESP) functions are reactivated.*

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 the neutral (**N**) position (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 whether the above conditions are met.

Shifting between 4H and 4L

Note: *When shifting to **4L** the Engine Traction Control and Trailer Stability Control are deactivated. 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 the neutral (**N**) position (automatic transmission).
4. Turn the transfer shift switch from **4H** to **4L** or from **4L** to **4H**.

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

ELECTRONIC LOCKING DIFFERENTIAL

WARNING

The vehicle should not be operated on sealed roads with the system engaged. Doing so may lead to excessive tyre noise and wear. The system is intended for use on consistently slippery or loose surfaces.

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.

Note: *The system will only activate if the vehicle speed is less than 30 km/h (20 mph) and the accelerator pedal is released.*

Press the Electronic Locking Differential (ELD) button to activate the system. For item location: See **At a Glance** (page 9).

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

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

The system will:

- Automatically disengage when a speed of 40 km/h (25 mph) is exceeded.
- Automatically re-engage when the speed drops below 30 km/h (20 mph).
- Automatically disengage when the ignition is turned off.

If the system is selected when driving above 40 km/h (25 mph), the request is stored and will be engaged when the vehicle speed reduces to 30 km/h (20 mph). 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.*

AUTOMATIC TRANSMISSION

Selector lever positions



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 selector lever to select reverse and park.

The selector lever position will be shown in the information display.

Park

WARNINGS

Select park only when your vehicle is stationary.

Apply the parking brake and select park before leaving your vehicle. Make sure that the selector lever is latched in position.

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

Note: *An audible warning will sound if you open the drivers door and you have not selected park.*

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

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

Reverse

WARNING

Select reverse only when your vehicle is stationary and the engine is at idle speed.

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 selector lever in this position.

Drive

Select drive to shift automatically through the forward gears.

Sport mode

Note: *Sport mode is to shift automatically through the forward gears in a more sporty manner.*

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.*

Activate sport mode by moving the selector lever from drive position towards the driver. This is indicated in the instrument cluster by displaying '**S**'. See **General Information** (page 64).

Sport mode will remain active until you shift manually up or down the gears.

Note: *When you select position S, a gear change may occur depending on the accelerator pedal position in relation to actual vehicle speed.*

Manual shifting



E136209

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

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

WARNING

Do not hold the selector lever permanently in – or +.

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 64).

Drive modes

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

Hints on driving with an automatic transmission

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 158).

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.

Kickdown

Press the accelerator pedal fully with the 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.

Emergency park position release button


E132721

Use the button to move the selector lever from the park position in the event of an electrical malfunction or if your vehicle has a flat battery.

CAUTION

Take care when opening the cover.

Lift up the cover in the centre console next to the selector lever with a suitable tool.

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

Note: *If position **P** is selected again, this procedure must be repeated.*

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 ABS will not eliminate the risks when:

- you drive too close to the vehicle in front of you
- the vehicle is aquaplaning
- you take corners too fast
- the road surface is poor.

PARKING BRAKE

WARNING

Vehicles with an automatic transmission should always be left with the selector lever in position **P (Park)**.

- Press the foot brake pedal firmly.
- Pull the parking brake lever up smartly to its fullest extent.
- Do not press the release button while pulling the lever up.
- If your vehicle is parked on a hill and facing uphill, select first gear or **P (Park)** and turn the steering wheel away from the kerb.
- If your vehicle is parked on a hill and facing downhill, select reverse gear or **P (Park)** and turn the steering wheel towards the kerb.

To release the parking brake, press the brake pedal firmly, pull the lever up slightly, depress the release button and push the lever down.

PRINCIPLE OF OPERATION

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.

During a hill descent when driving off-road, engine braking is used to control the speed of descent. If engine braking alone is insufficient to control the vehicle's speed, HDC will slow the vehicle using the braking system.

If the vehicle is fitted with a manual transmission, HDC should only be used in first or reverse gears. If the vehicle is fitted with an automatic transmission, HDC should only be used in **D**, **R** or Sport mode **1**. When in **D**, the vehicle will select the most appropriate gear.

Before driving off-road

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).

USING HILL DESCENT CONTROL

Note: *When the rear differential lock is engaged, the HDC will not be available.*

Selecting HDC

HDC can be selected at speeds below 60 km/h (37 mph). To select HDC, press and release the HDC on/off switch. For item location: See **At a Glance** (page 9).

Note: *Once HDC is selected, it will be activated at speeds below 35 km/h (22 mph) and deactivated above 40 km/h (25 mph) but will not turn off until vehicle speed exceeds 60 km/h (37 mph).*

Note: *HDC will be turned off when the ignition is off.*

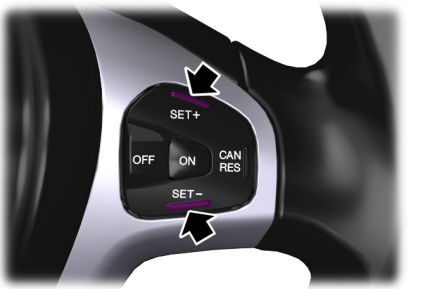


The HDC switch will illuminate continuously to indicate that HDC is fully active.

HDC will temporarily deactivate during the following conditions:

- High brake temperature. Operation resumes once the brakes cool down.
- ESP on warning lamp is illuminated and operating.
- Electronic locking differential is operating.

HDC operation



E102680

With HDC engaged, the speed of descent can be altered using the cruise control steering wheel switches. **SET +** increases the speed and **SET -** decreases the speed.

To increase speed press and hold the **SET +** switch until the desired speed is achieved. When the switch is released, the speed will be maintained.

To decrease speed press and hold the **SET -** switch until the desired speed is achieved. When the switch is released, the speed will be maintained.

To increase or decrease speed gradually, tap the **SET +** or **SET -** switch as required. Each tap of the switch will increase or decrease the speed in increments of 0.5 km/h (0.3 mph). The speed can also be increased or decreased by pressing the accelerator pedal or brake pedal 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* ***+*** *switch on a gentle slope may not increase the speed.*

Note: *If the brake pedal is depressed, HDC will be overridden and the brakes will operate as normal. When the brake pedal is released, HDC will resume control of the descent.*

Note: *If HDC is switched off during a descent, HDC assistance will fade out gradually. This is to prevent loss of control if HDC is switched off in error. HDC will resume control when switched back on if assistance is still required, but at the speed the vehicle is travelling when the pedal is released.*

Note: *When HDC is operating, a noise may be heard from the Brake Control Module in the engine compartment. This is normal.*

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

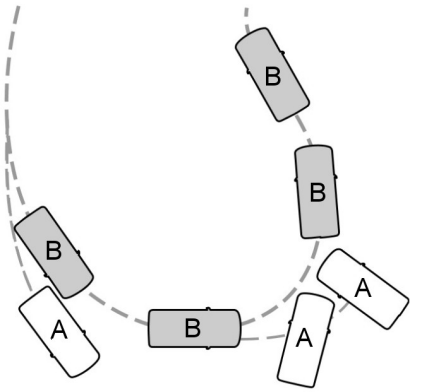
When driving off-road HDC can be permanently selected, but it will only provide assistance when the speed parameters are met.

PRINCIPLE OF OPERATION

Electronic stability programme (ESP)

WARNING

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



E72903

A without ESP

B with ESP

The ESP supports stability when the vehicle starts to slide away from your intended path. This is performed by braking individual wheels and reducing engine torque as needed.

The system also provides an enhanced traction control function by reducing engine torque and braking 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 (ESP) warning lamp

The ESP warning lamp will flash when the system is operating. See **Warning Lamps and Indicators** (page 58).

Emergency brake assist

WARNING

Emergency brake assist does not relieve you of your responsibility to drive with due care and attention.

Emergency brake assist will detect when you brake heavily by measuring the rate at which you press the brake pedal. It will provide maximum braking efficiency as long as you press the pedal. Emergency brake assist can reduce stopping distances in critical situations.

Trailer stability control

WARNINGS

Trailer stability control does not relieve you of your responsibility to tow with due care and attention.

Disabling ESP will turn off the system.

Trailer stability control is an enhanced feature of ESP, and automatically detects when an attached trailer starts to sway.

If this situation occurs, the system will automatically brake individual wheels to stabilise the trailer and vehicle. In case a very severe sway is detected, the engine torque will be reduced and the vehicle will be slowed automatically.

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 9).*

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:

- 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.

PRINCIPLE OF OPERATION

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

When the system is active, the vehicle will remain stationary on the slope for a short time after you release the brake pedal. During this time, you have time to move your foot from the brake to the accelerator pedal and pull away. The brakes are released automatically once the engine has developed sufficient drive torque to prevent the 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.

WARNING

The system does not replace the parking brake. When you leave the vehicle, always apply the parking brake and select first or reverse gear.

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

USING HILL START ASSIST

The system is activated automatically when the vehicle is stopped on a slope greater than 7% for automatic transmission vehicles and greater than 4% for manual transmission vehicles. The system operates with the vehicle facing downhill if reverse gear is selected and with the vehicle facing uphill if any forward gear is selected.

Activating the system

WARNINGS

You must remain in the vehicle once you have activated the system.

WARNINGS

In vehicles with automatic transmission, there is a short delay of up to two seconds after shifting the lever to Drive or Reverse before the hill start assist is activated. To avoid rolling down in the slope, the foot brake should not be released for up to two seconds.

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

You can activate the system only if the following conditions have been 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 activate the system:

1. Press the brake and clutch pedals (Manual transmission) to bring the vehicle to a complete standstill. Keep the brake and clutch pedals (Manual transmission) depressed.
2. If the sensors detect that the vehicle is on a slope the system will be activated automatically.

3. When you remove your foot from the brake pedal, the vehicle will remain on the slope without rolling away for a short time. 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.

WARNING

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

Deactivating the system

To deactivate the system, perform **one** of the following:

- 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.

PRINCIPLE OF OPERATION

WARNING

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

CAUTIONS

Vehicles fitted with a trailer tow module not approved by us may not correctly detect obstacles.

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 parking aid does not detect obstacles moving away from the vehicle. They will only be detected shortly after they start to move towards the vehicle again.

If you use a high pressure spray to wash your vehicle, only spray the sensors briefly from a distance not less than 20 centimetres (8 inches).

Parking aid sends tones via the audio system fitted and approved by us. If this is not working the parking aid system will not work.

Note: *On vehicles fitted with a tow ball arm, the rear parking aid is deactivated automatically when any trailer lamps (or lighting boards) are connected to the socket via a trailer tow module we have approved.*

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

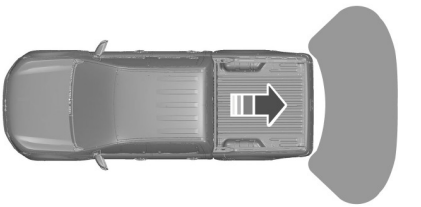
Note: *The parking aid may emit false tones if it detects a signal using the same frequency as the sensors or if the vehicle is fully laden.*

Note: *The outer sensors may detect the side walls of a garage. If the distance between the outer sensor and the side wall remains constant for three seconds, the tone will switch off. As you continue, the inner sensors will detect rearward objects.*

PARKING AID - VEHICLES WITH: REAR PARKING AID

WARNING

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



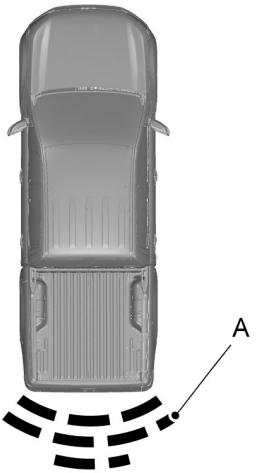
E134605

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* ***At a Glance*** *(page 9).*

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

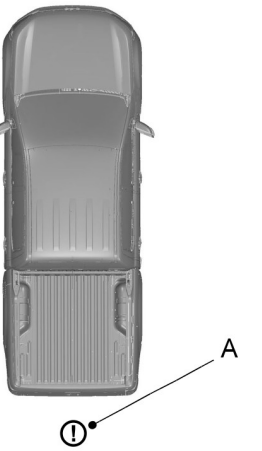


E134606

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 centimetres (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.*



E134608

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

PRINCIPLE OF OPERATION

The camera is a visual aid for use when reversing.

WARNING

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

CAUTIONS

If you use a high pressure spray to wash your vehicle, only spray the camera briefly from a distance not less than 20 centimetres (8 inches).

Do not apply pressure to the camera.

Note: *Keep the camera free from dirt, ice and snow. Do not clean with sharp objects, degreaser, wax or organic products. Use only a soft cloth.*

During operation, guide lines appear in the display which represent your vehicle's path and approximate distance from rearward objects.

REAR VIEW CAMERA

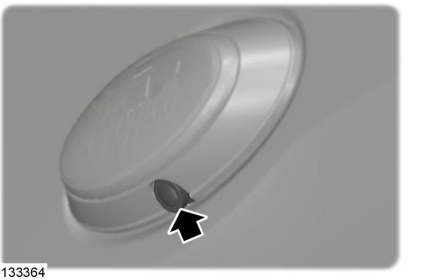
WARNINGS

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 tail gate below the badge.


E133364

Activating the rear view camera

CAUTION

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

With the ignition unit switched on, engage reverse gear. The image is displayed on the rear view mirror screen.

The camera may not operate correctly in the following conditions:

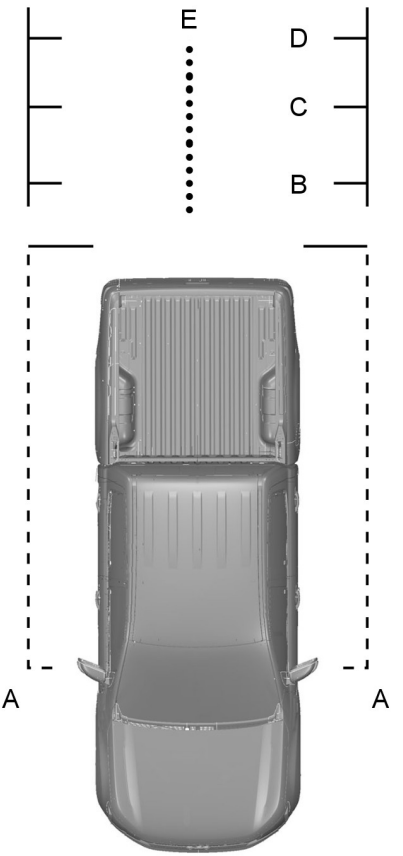
- Dark areas.
- Intense light.
- If the ambient temperature increases or decreases rapidly.
- If the camera is wet, for example in rain or high humidity.
- If the camera's view is obstructed, for example by mud.

Using the display

CAUTIONS

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

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



A Exterior mirror clearance - 0.1 metre (4 inches)

B Red - 0.3 metre (12 inches)

C Amber - 1 metre (39 inches)

D Green - 2 metres (79 inches)

E Black - centre line of the projected vehicle path

Note: *When reversing with a trailer, the lines on the screen show the vehicle direction and not the trailer.*

Deactivating the rear view camera

Note: *Disengage reverse gear. The display will stay on for a short period before switching off.*

Note: *The system will automatically switch off once the vehicle speed has reached approximately 15 km/h (9 mph).*

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 30 km/h (18 mph).

USING CRUISE CONTROL

WARNING

Do not use cruise control in heavy traffic, on twisty roads or when the road surface is slippery.

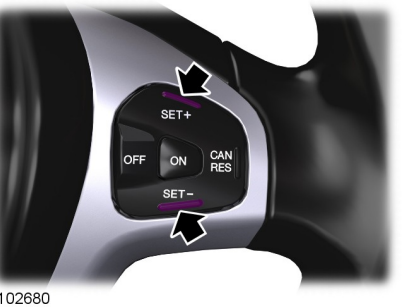
Switching cruise control on



E102679

Note: *The system is ready for you to set a speed.*

Setting a speed



E102680

Press to store and maintain your current speed. The cruise control indicator will illuminate. See **Warning Lamps and Indicators** (page 58).

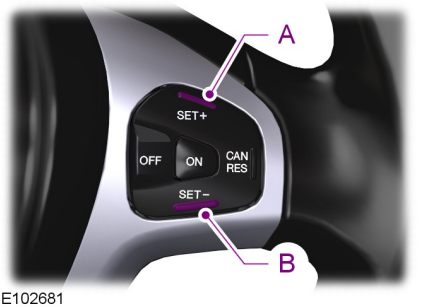
Changing the set speed

WARNINGS

Vehicles with manual transmission: When you are going downhill, your speed may increase above the set speed. The system will not apply the brakes. Change down a gear and press the **SET-** switch to assist the system in maintaining the set speed.

Vehicles with automatic transmission: When you are going downhill, transmission will downshift to attempt to hold the speed. The driver may also have to apply the brake to maintain the speed. The set speed will turn off if the brake is applied.

Note: *If you accelerate by pressing the accelerator pedal, the set speed will not change. When you release the accelerator pedal, you will return to the speed that you previously set if the cruise control light is still illuminated.*



E102681

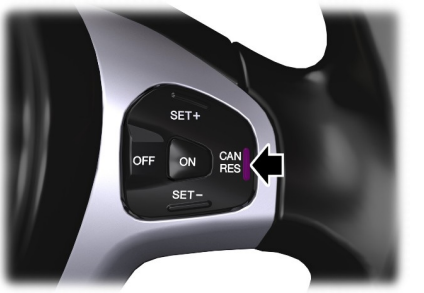
A Accelerate
B Decelerate

To increase speed, press and hold the **SET +** switch until the desired speed is achieved. When the switch is released, the speed will be maintained.

To decrease speed, press and hold the **SET -** switch until the desired speed is achieved. When the switch is released, the speed will be maintained.

To increase or decrease speed gradually, tap the **SET +** or **SET -** switch as required. Each tap of the switch will increase or decrease the speed in increments of 1 km/h (0.6 mph). The speed can also be increased or decreased by pressing the accelerator pedal or brake pedal respectively.

Cancelling the set speed

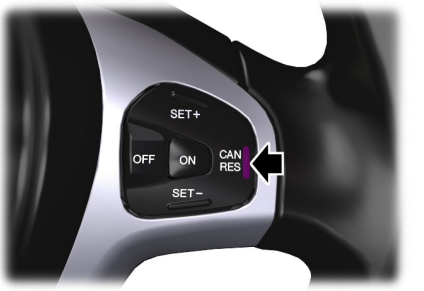


E102682

Press the brake pedal or the **CAN RES** switch.

Note: *The system will no longer control your speed. The cruise control indicator will not illuminate but the system will retain the speed that you previously set.*

Resuming the set speed



E102682

The cruise control indicator will illuminate and the system will attempt to resume the speed that you previously set.

Switching cruise control off



E102683

The system will not retain the speed that you previously set. The cruise control indicator will not illuminate.

Any of the following action may also switch off the system:

- Depressing the brake pedal.
- Applying the praking brake.
- Depressing the clutch pedal.
- Selecting neutral gear.

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 exceed the maximum front and rear axle loads for your vehicle. See **Vehicle identification** (page 168).

Do not exceed the maximum gross vehicle weight stated on the vehicle identification plate. See **Vehicle identification** (page 168).

CAUTION

Do not allow items to contact the rear window.

TAILGATE

Note: *Tailgate can be lowered for better ingress/egress of the loads.*

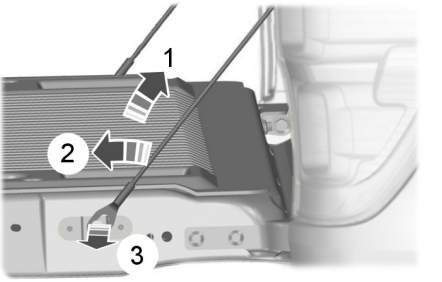
CAUTIONS

Do not exceed the maximum permissible tailgate load of 220 kilograms (485 pounds).

Do not lower the tailgate completely if a tow ball or a bumper is fitted.

Make sure that you keep a firm grip of the tailgate to prevent it from dropping down.

Lowering the tailgate



E135868

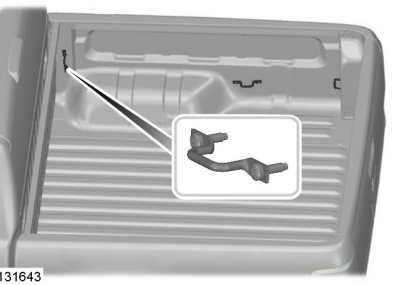
1 Raise the tailgate slightly.
2 Pull the support cable rearwards.
3 Release the support cable from tailgate.
4 Repeat steps 1 to 3 to pull out the support cable on the other side.

LOAD RETAINING FIXTURES

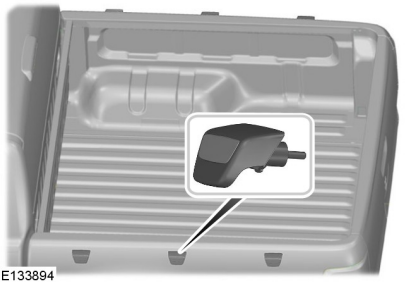
Rope hooks

Note: *The number of rope hooks may vary depending on your vehicle model.*

Type 1


E131643

Type 2


E133894

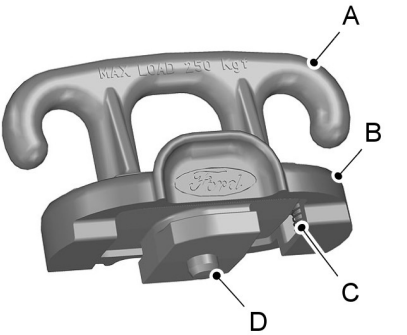
Type 3

CAUTION

The maximum load per rope hook is stamped on the hook, do not exceed this load.


E133896

Tie down points



E134098

A	Cleat
B	Bezel
C	Spring
D	Pin

WARNINGS

Tie down points are only to be used for restraining the loads within the loadspace. Using tie down points for any other purpose may lead to serious injury or vehicle damage. Tie down points should never be used for towing purposes.

Each tie down point has a maximum load rating. Exceeding this force may lead to serious injury and/or vehicle damage.

Always inspect the tie down points before use. Do not use the tie down points under the following conditions:

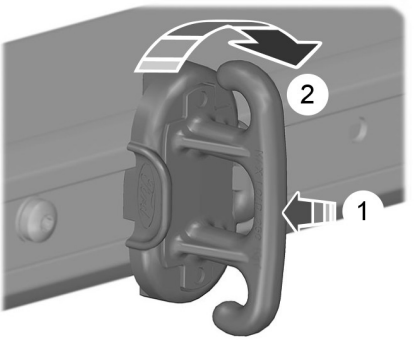
- Tie down points show any sign of wear or damage.
- Rail channels supporting the tie down points show any sign of wear, damage or distortion.

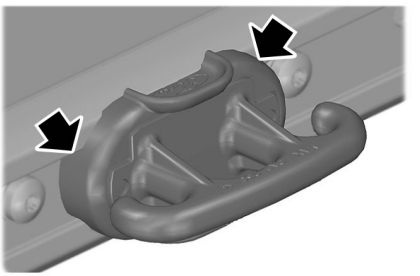
- Tie down point locking bezel is damaged or broken or will not lock into place.
- Tie down point is not seated correctly within the support rail.

Fitting the tie down point

WARNING

Bezel must be fully engage into the rail to secure the tie down point for safe use. The tie down is not correctly installed even if the word under the bezel "**Not Locked**" is partially visible.

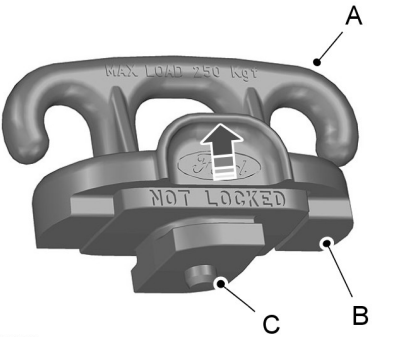




E134099

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 point



E134100

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.

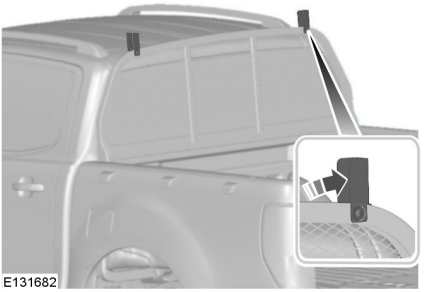
Load rest

WARNING

A loaded load rest alters the vehicle's centre of gravity and aerodynamics. Take care when cornering, driving in crosswinds and at high speeds.

CAUTION

Do not exceed the permissible gross weight. See **Vehicle Identification Plate** (page 168).



Note: *Secure luggage or cargo placed on the load rest with the load rest stoppers.*

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.

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.

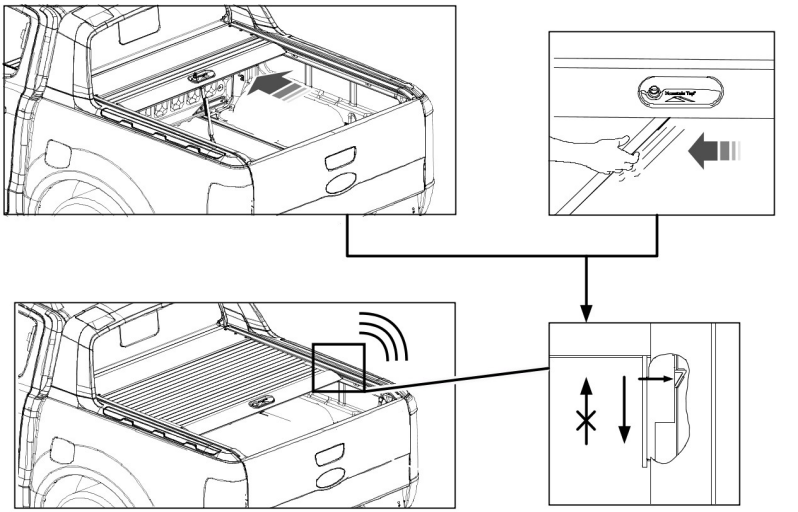
Note: *The locking mechanism does not lock automatically as it passes each locking position.*

Locking and lunlocking into positions

Note: *You will hear a click as the roller shutter passes each locking position.*

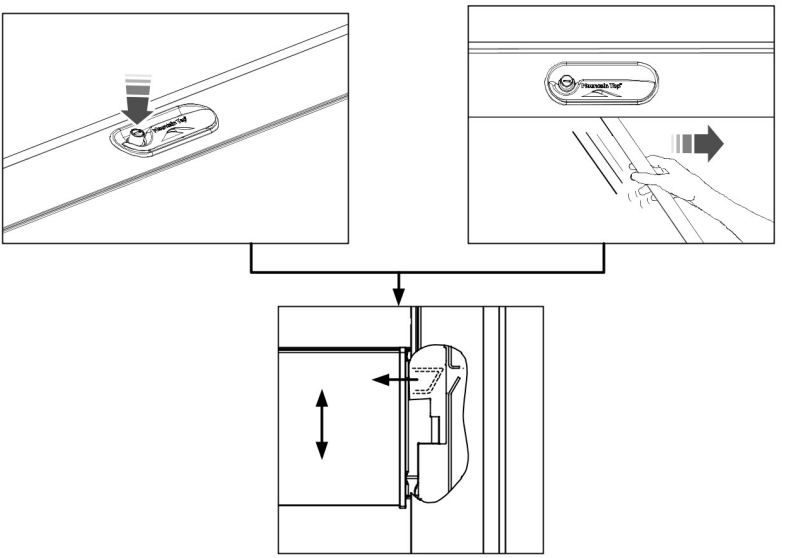
Note: *Use the pull strap to control the roller shutter movement while opening.*

Lock the roller shutter at the required locking position by pulling the pull strap to the left.



E154609

Unlock the roller shutter by pulling the pull strap to the right or by pressing the lock buttons.



E154610

ROOF RACKS AND LOAD CARRIERS

Roof rack

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.

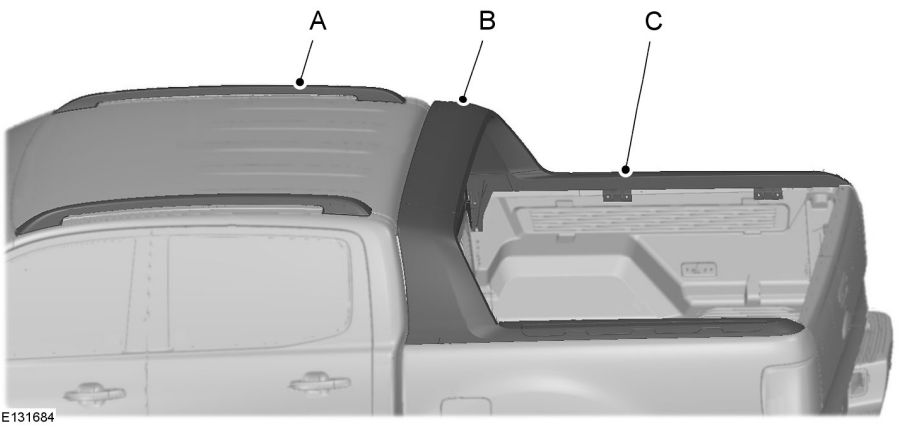
CAUTION

Do not exceed the maximum permissible roof rail load of 80 kilograms (176 pounds), including the roof rack.

Check the security of the roof rack load as follows:

- before starting
- after driving 50 kilometres (30 miles)
- at 1000 kilometres (600 miles) intervals.

Note: *To reduce fuel consumption, cross rails should be removed when not in use.*



A Roof rail
B Sports bar
C Box rail

CAUTIONS

Do not sit or stand on items **B** or **C**.

Do not use item **C** to secure loads.

TOWING A TRAILER

WARNINGS

Do not exceed the maximum gross train weight stated in the table.

Maximum permissible axle loads are not to be exceeded while towing and transporting.

Do not exceed a speed of 100 km/h (62 mph) when towing with a laden weight greater than 3000 kg (6613 lbs).

Note: *Vehicles equipped with electronic stability programme (ESP) have trailer stability control included. See* ***Stability Control*** *(page 102).*

Place loads as low and central to the axle(s) of the trailer as possible. If you are towing with an unladen vehicle, the load in the trailer should be placed toward the nose, within the maximum nose load, as this gives the best stability.

The stability of the vehicle to trailer combination is very much dependant on the quality of the trailer.

The maximum vehicle and trailer payloads represent technically binding values for gradients up to 12% and at an altitude of 1000 meters (3281 feet) above sea level. In high altitude regions, thinner atmosphere can reduce performance so the following restrictions will apply:

In high altitude regions above 1000 meters (3281 feet), the stipulated maximum permitted gross train weight must be reduced by 10% for every additional 1000 meters (3281 feet).

Steep gradients

WARNING

The overrun brake on a trailer is not controlled by the anti-lock braking system.

Change down a gear before you reach a steep downhill gradient.

Trailer tow module

Vehicles with a factory fitted tow bar also comes with a trailer plug control module for lighting. In addition to the trailer plug functionality, the trailer plug control module protects the primary electrical circuits of the vehicle from electrical concerns or failures that the trailer may experience.

For vehicles without tow bar as a standard feature, a genuine Ford accessory trailer tow electrical kit has been developed to enable a tow bar to be installed. The kit comprises of the trailer plug control module, trailer plug, wiring and associated hardware components.

Once the kit is installed, the vehicle must be configured. This configuration can be performed by your Ford authorised dealer.

Note: *Ensure that the indicator and brake lamps do not flicker with engine running while using a trailer with low power LED lamps.*

To overcome flickering and to ensure the correct operation of the rear parking aid, a trailer patch harness should be connected between the trailer and the vehicle.

CAUTION

Do not connect the trailer patch harness to the vehicle when the trailer is not connected.

Note: *The trailer patch harness is available with the Ford authorised dealers.*

Technical specifications

Towing capacities - For Base series

Variant	Drive	Transmission	Without trailer brake kg (lbs)	With trailer brake kg (lbs)	Max. Gross Train Weight kg (lbs)
2.5L Petrol	4X2	Manual	750 (1654)	1500 (3307)	4425 (9755)
	4x2*	Manual	750 (1654)	1500 (3307)	4525 (9976)
	4x4	Manual	750 (1654)	1100 (2425)	4125 (9094)
2.2L Diesel 88kW	4X2	Manual	750 (1654)	1500 (3307)	4425 (9755)
	4x4	Manual	750 (1654)	1500 (3307)	4525 (9976)
2.2L Diesel 92kW	4x2* and 4x4	Manual	750 (1654)	1500 (3307)	4700 (10362)
2.2L Diesel 110kW	4x2	Manual	750 (1654)	1500 (3307)	4425 (9755)
	4x2* and 4x4	Manual	750 (1654)	1500 (3307)	4700 (10362)
3.2L Diesel	4x2* and 4x4	Manual	750 (1654)	1500 (3307)	4700 (10362)

Towing capacities- For all other series

Variant	Drive	Transmission	Without trailer brake kg (lbs)	With trailer brake kg (lbs)	Max. Gross Train Weight kg (lbs)
2.5L Petrol	4X2	Manual	750 (1654)	2200 (4850)	5125 (11299)
	4x2*	Manual	750 (1654)	1700 (3748)	4900 (10803)
	4x4	Manual	750 (1654)	1100 (2425)	4300 (9480)
2.2L Diesel 88kW & 92kW	4X2	Manual	750 (1654)	2200 (4850)	5125 (11299)
	4x2* and 4x4	Manual	750 (1654)	1600 (3527)	4800 (10582)
2.2L Diesel	4x2	Manual	750 (1654)	2500 (5512)	5425 (11960)

Variant	Drive	Transmission	Without trailer brake kg (lbs)	With trailer brake kg (lbs)	Max. Gross Train Weight kg (lbs)
110kW	4x2 * Drive ratio 3.31	Manual	750 (1654)	1800 (3968)	5000 (11023)
	4x2 * and 4x4 Drive ratio 3.55	Manual	750 (1654)	3350 (7386)[1] 3500 (7716)[2]	5950 (13118)[1] 6000 (13288)[2]
	4x2 * and 4x4	Auto	750 (1654)	3350 (7386)[1] 3500 (7716)[2]	5950 (13118)[1] 6000 (13288)[2]
3.2L Diesel	4x2 * and 4x4 Drive ratio 3.31	Manual	750 (1654)	1800 (3968)	5000 (11023)
	4x2* and 4x4 Drive ratio 3.55	Manual	750 (1654)	3350 (7386)[1] 3500 (7716)[2]	5950 (13118)[1] 6000 (13288)[2]
	4x2* and 4x4	Auto	750 (1654)	3350 (7386)[1] 3500 (7716)[2]	5950 (13118)[1] 6000 (13288)[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

Ensure that the weight applied on the tow ball falls within the range defined below. This is important for vehicle and trailer stability.

Drive	Minimun nose weight	Maximum nose weight kg (lbs)
4x2	6% of the towed weight	165 (364)
4x2 * and 4x4		225 (496)

*Vehicles with increased ride height

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.

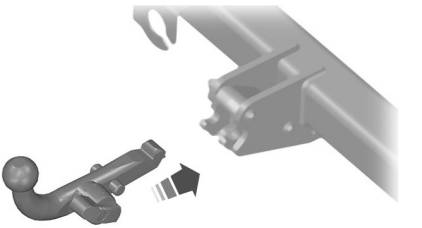
Do not modify the trailer coupling.

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



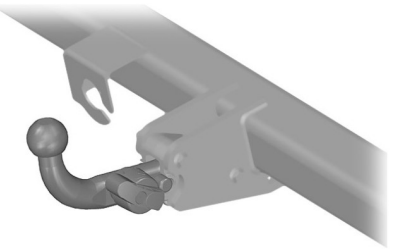
E137325

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

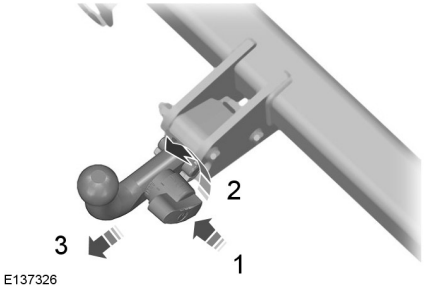
WARNING

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.

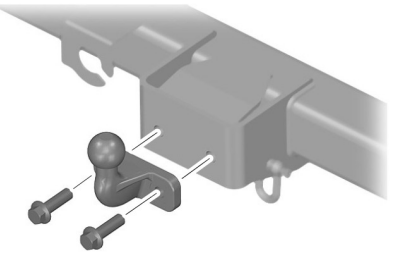
Removing the tow ball arm



E137326

1. Push the lever towards the centre of the vehicle.
2. Turn the lever anti-clockwise to unlock the tow ball arm.
3. Remove the tow ball arm.

4x2 (vehicles with increased ride height) and 4x4


E139242

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.

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 refuelling, the engine will start to run unevenly. This indicates that you are about to run out of fuel. Refuel immediately.

RUNNING-IN

Tyres

WARNING

New tyres need to be run-in for approximately 500 kilometres (300 miles). 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 150 kilometres (100 miles) in town and for the first 1500 kilometres (1000 miles) on motorways.

Engine

CAUTION

Avoid driving too fast during the first 1500 kilometres (1000 miles). Vary your speed frequently and change up through the gears early. Do not labour the engine.

COLD WEATHER PRECAUTIONS

The functional operation of some components and systems can be affected at temperatures below -30ºC (-22ºF).

REDUCED ENGINE PERFORMANCE

Your vehicle can be driven briefly if the engine overheats, 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 moves to the upper limit position, the engine is overheating. See **Gauges** (page 58).

If the temperature continues to rise, the fuel supply to the engine will be reduced. The air conditioning (if fitted) will also be turned off and the engine cooling fan will operate.

CAUTION

Continued operation will increase the engine temperature, and cause the engine to shut down completely.

- 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 150).
- Have the vehicle checked by an expert immediately.

DRIVING THROUGH WATER

Driving through water

WARNING

Never cross fast-flowing deep streams, as your vehicle could be swept away.

CAUTIONS

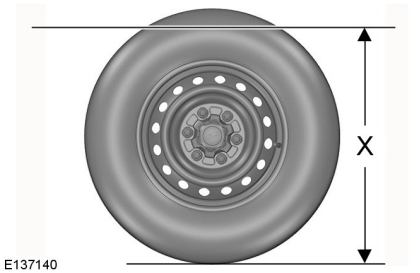
Drive through water in an emergency only, and not as part of normal driving.

Engine damage can occur if water enters the air filter.

Always try to determine the depth of a crossing before driving the vehicle through.

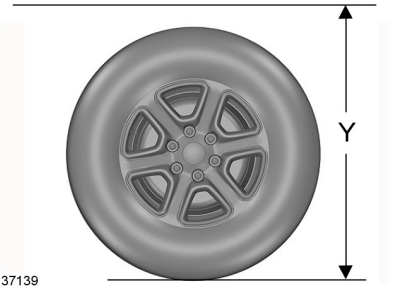
In an emergency, the vehicle can be driven through water to a maximum depth as shown and at a maximum speed of 7 km/h (4 mph). Extra caution should be exercised when driving through flowing water.

4X2



X 600 mm (23.6 inches)

4x2 (vehicles with increased ride height) and 4x4



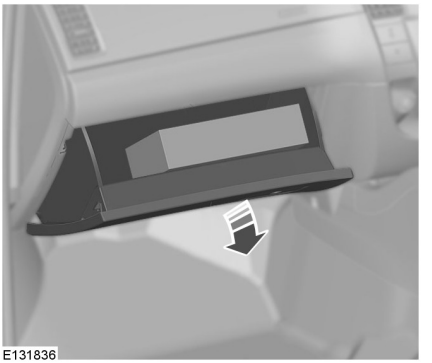
Y 800 mm (31.5 inches)

When driving in water, engage first gear and low range (if available), maintain a steady walking pace speed keeping the bow wave in front of the vehicle and do not stop. After driving through water, and as soon as it is safe to do so:

- Depress the brake pedal lightly and check that full brake function is achieved.
- Check that the horn works.
- Check that the vehicle's lights are fully operational.
- Check the power assistance of the steering system.

FIRST AID KIT

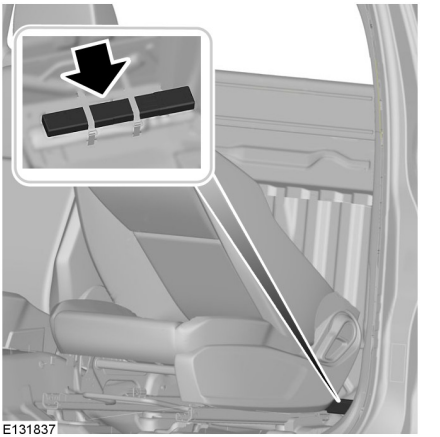
Note: *First aid kit is secured in the passenger side storage compartment.*



WARNING TRIANGLE

Single cab

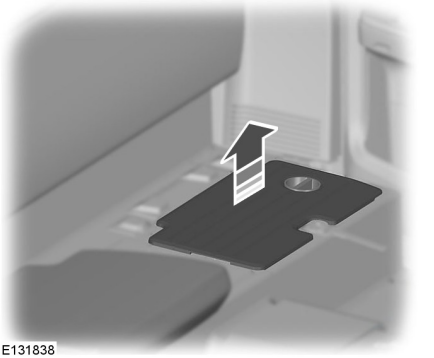
A retaining strap behind the passenger seat can be used to secure a warning triangle.



1 Fold the seatback forward.

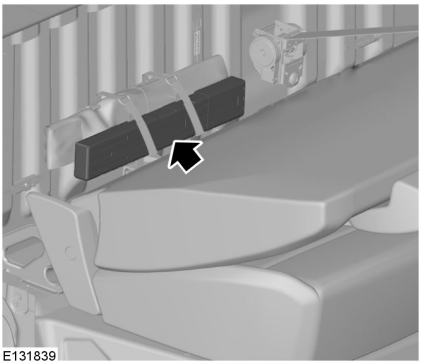
Stretch cab

Note: *The warning triangle can be secured in the tool bin below the rear seats.*



1 Remove the rear seat cushion.
2 Remove the cover.

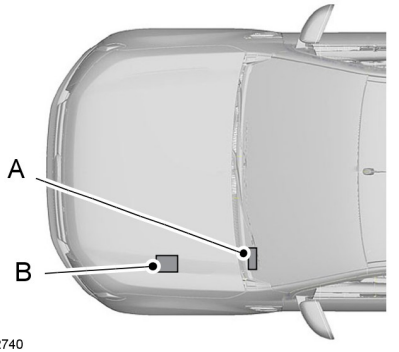
Double cab



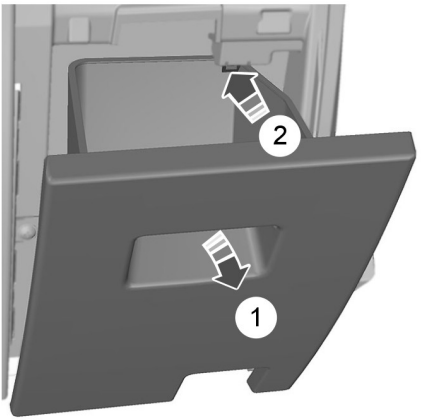
1 Fold the rear seatback forward.

FUSE BOX LOCATIONS

Left-hand drive

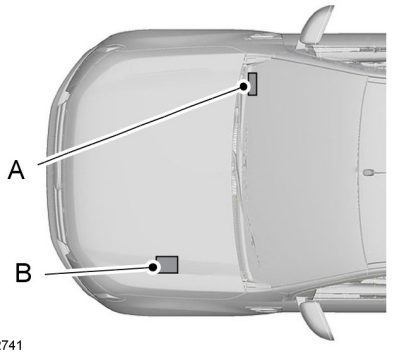


E132740

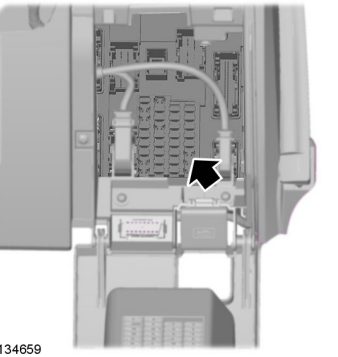


E133080

Right-hand drive



E132741



E134659

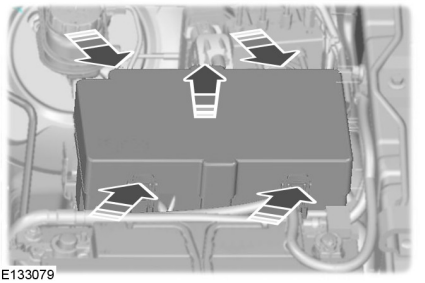
A Passenger compartment fuse box

B Engine compartment fuse box

Passenger compartment fuse box

Fully open the driver's side storage compartment.

Engine compartment fuse box



Release the catches and remove the cover.

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 properly trained technicians.

Switch the ignition and all electrical equipment off before touching or attempting to change a fuse.

CAUTION

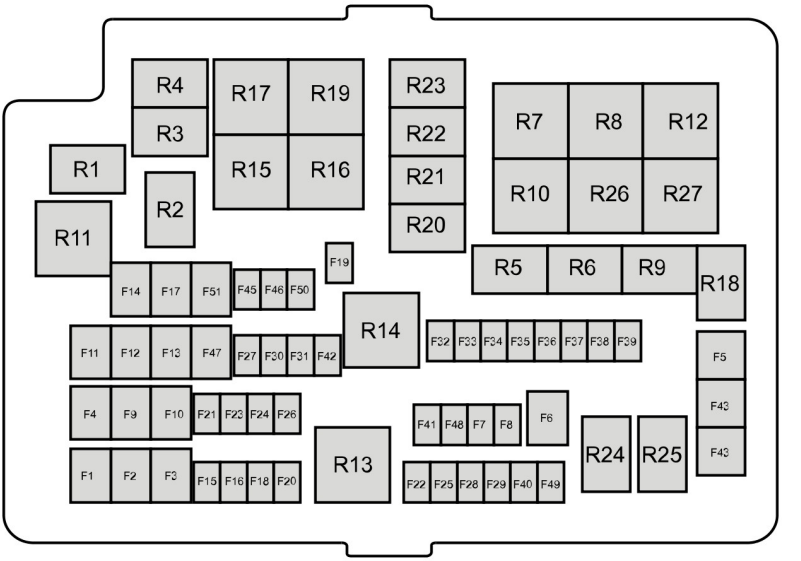
Fit a replacement fuse with the same rating as the one you have removed.

Note: *You can identify a blown fuse by a break in the filament.*

Note: *All fuses, except high current fuses, are a push fit.*

FUSE SPECIFICATION CHART

Engine compartment fuse box



E133601

Fuse	Ampere rating	Circuits protected
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	ABS module
5	30	Electric windows (front & rear)

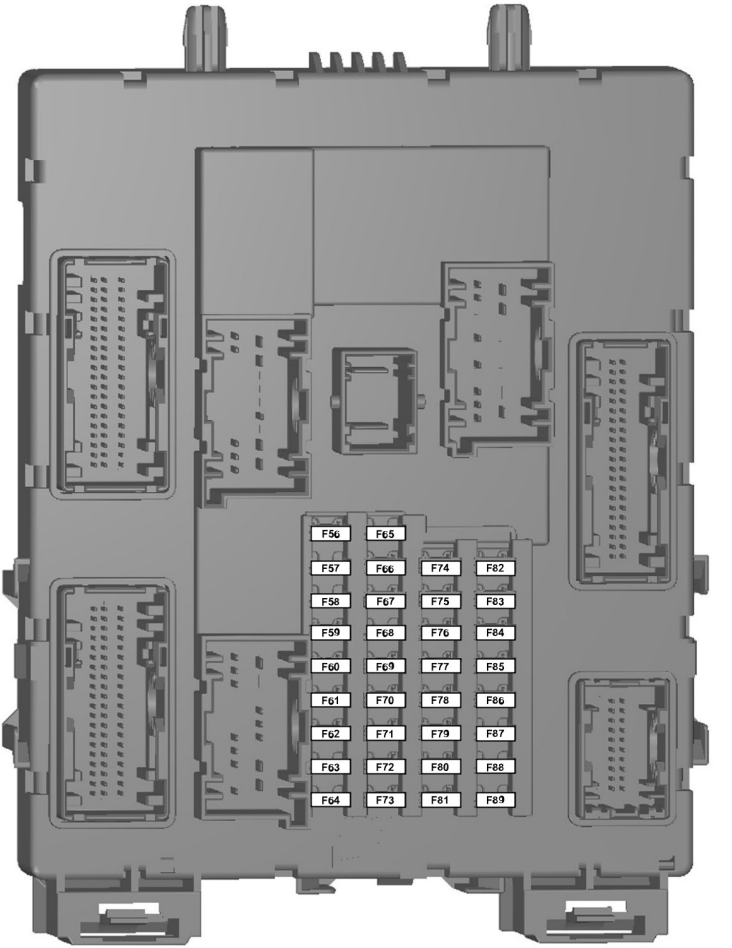
Fuse	Ampere rating	Circuits protected
6	25	Four wheel drive (4WD) motor ground
7	-	Not used
8	-	Not used
9	20	Electric seat
10	25	Electric windows (front)
11	30	Blower motor
12	25	Four wheel drive (4WD) motor power
13	20	Starter solenoid
14	20	Heated rear window
15 (Petrol)	10	Flex-fuel pump
15 (Diesel)	20	Vapouriser glow plug
16	10	A/C clutch
17	25	Electric 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	Auxillary 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

Fuse	Ampere rating	Circuits protected
29	15	Electronic control module (ECM)
30	15	Battery monitoring sensor
31	20	Auxillary power socket (rear console)
32	5	A/C 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	ABS module
37	10	Headlamp levelling
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	ABS module
46	20	Auxillary power socket (bedliner)
47	20	Trailer tow module
48	-	Not used
49	-	Not used
50	5	Ignition relay, relay coils
51	30	Electric windows (rear)

Relay	Circuits switched
R1	Key interlock
R2	Wiper on/off
R3	Horn
R4	A/C clutch
R5	Differential lock
R6	Wiper Hi/Lo
R7	Engine cooling fan low
R8	Engine cooling fan high
R9	Flex-fuel pump, vapouriser 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

Relay	Circuits switched
R25	Not used
R26	Blower motor
R27	Power seat

Passenger compartment fuse box



E133602

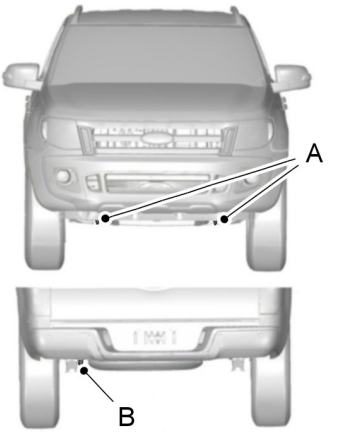
Fuse	Ampere rating	Circuits protected
56	20	Fuel pump
57	-	Not used
58	-	Not used
59	5	Passive anti-theft system (PAT)
60	10	Interior lamp, driver's door switch pack, mood lights, puddle lights, automatic shifter, footwell lamp
61	-	Not used
62	5	Rain sensor module
63	-	Not used
64	-	Not used
65	-	Not 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

Fuse	Ampere rating	Circuits protected
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

TOWING POINTS

Note: *The second front towing eye is optional.*

Note: *If the rear towing eye is not fitted, the recommended towing point is the left or right hand side rear suspension shackle.*



E131731

A Front towing eye
B Rear towing eye

TOWING THE VEHICLE ON FOUR WHEELS

All vehicles

WARNINGS

Switch the ignition on when your vehicle is being towed. The steering lock will engage and the direction indicators and brake lamps will not work if you do not.

WARNINGS

The brake servo and the power steering pump do not operate unless the engine is running. Press the brake pedal harder and allow for increased stopping distances and heavier steering.

CAUTIONS

Too much tension in the tow rope could cause damage to your vehicle or the vehicle that is towing.

2WD: Select neutral when your vehicle is being towed.

4WD: In the event of a breakdown or a mechanical failure of the transmission your vehicle must be recovered with either **ALL** wheels off the ground or transported with **ALL** wheels on the ground while the vehicle is in 2WD mode. Under no circumstances should the vehicle be towed with **ALL** wheels on the ground when in 4WD mode.

Drive off slowly and smoothly without jerking the vehicle that is being towed.

Vehicles with automatic transmission

CAUTIONS

It is recommended not to tow with the drive wheels on the ground. However, if it is required to move the vehicle from a dangerous location, do not tow your vehicle faster than 80 km/h (50 mph) or further than 80 kilometers (50 miles).

In the event of a mechanical failure of the transmission the drive wheels must be lifted clear of the ground.

GENERAL INFORMATION

Have your vehicle serviced regularly to help maintain its roadworthiness and resale value. There is a large network of Ford Authorised Repairers that are there to help you with their professional servicing expertise. We believe that their specially trained technicians are best qualified to service your vehicle properly and expertly. They are supported by a wide range of highly specialised tools developed specifically for servicing your vehicle.

In addition to regular servicing, we recommend that you carry out the following additional 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.

CAUTION

When carrying out maintenance checks, make sure that filler caps are fitted securely.

Daily checks

- Exterior lamps.
- Interior lamps.
- Warning lamps and indicators.

Check when refuelling

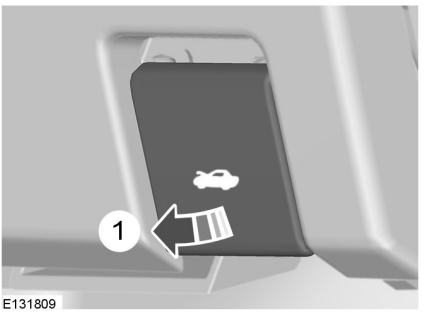
- Engine oil level. See **Engine Oil Check** (page 149).
- Brake fluid level. See **Brake and Clutch Fluid Check** (page 151).
- Washer fluid level. See **Washer Fluid Check** (page 152).
- Tyre pressures (when cold). See **Technical Specifications** (page 167).
- Tyre condition. See **Tyre Care** (page 166).

Monthly checks

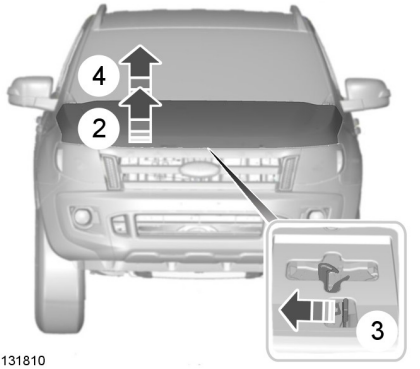
- Engine coolant level (engine cold). See **Engine Coolant Check** (page 150).
- Pipes, hoses and reservoirs for leaks.
- Power steering fluid level. See **Power Steering Fluid Check** (page 151).
- Air conditioning operation.
- Parking brake operation.
- Horn operation.
- Tightness of wheel nuts. See **Technical Specifications** (page 167).

OPENING AND CLOSING THE BONNET

Opening the bonnet

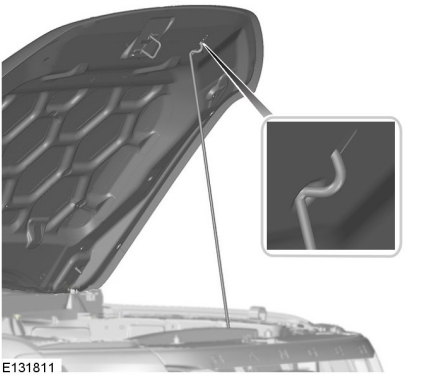


1. Pull the lever under the instrument panel. For item location: See **At a Glance** (page 9).



E131810

2. Raise the bonnet slightly.
3. Move the catch towards the left-hand side of the vehicle.
4. Open the bonnet.


E131811

5. Support it with the strut.

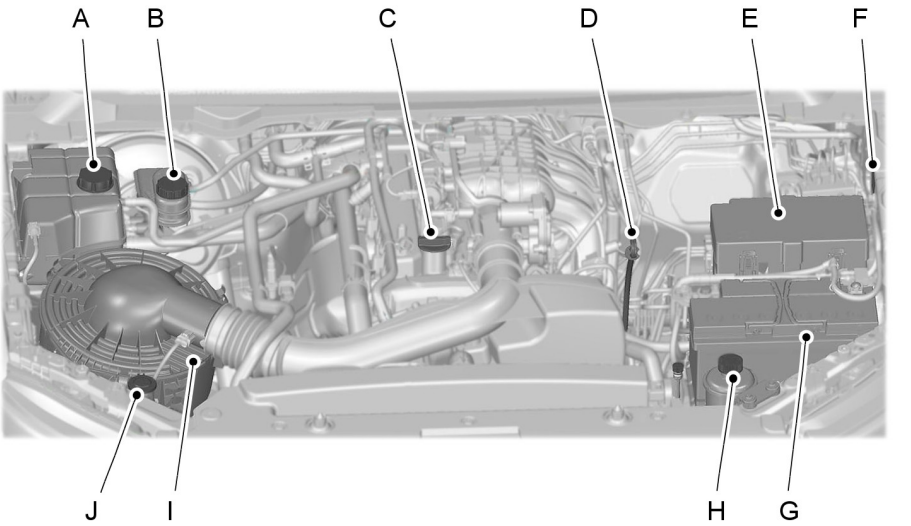
Closing the bonnet

Note: *Make sure that the bonnet is closed properly.*

Lower the bonnet and allow it to drop from under its own weight for the last 20 – 30 centimetres (8 - 11 inches).

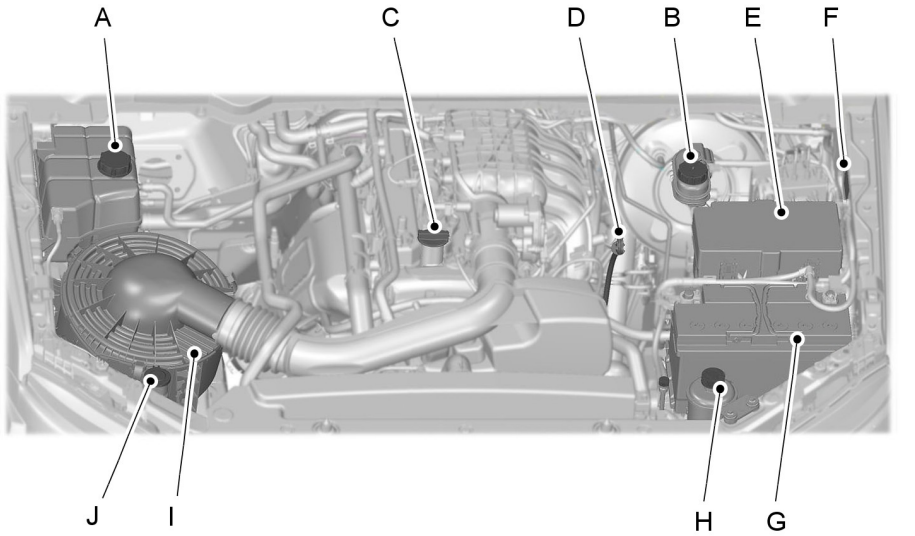
UNDER BONNET OVERVIEW - 2.5L DURATEC-HE (122KW/165PS) - MI4

RHD



E131919

LHD



E131920

A Engine coolant reservoir cap. See **Engine Coolant Check** (page 150).

B Brake and clutch fluid reservoir cap. See **Brake and Clutch Fluid Check** (page 151).

C Engine oil filler cap[1]. See **Engine Oil Check** (page 149).

D Engine oil dipstick[1]. See **Engine Oil Check** (page 149).

E Engine junction box. See **Fuses** (page 130).

F Vehicle Identificaton Plate. See **Vehicle identification** (page 168).

G Battery. See **Vehicle battery** (page 158).

H Power steering fluid reservoir cap. See **Power Steering Fluid Check** (page 151).

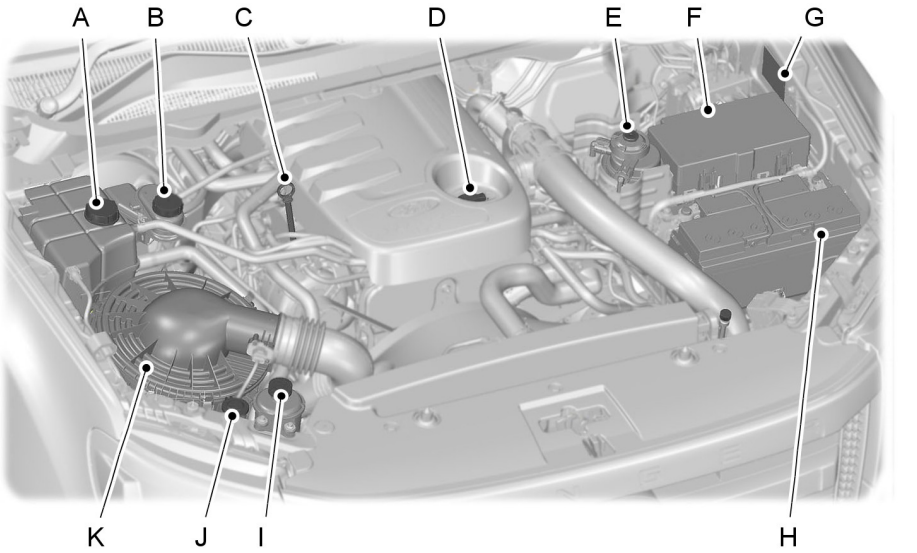
I Air Cleaner.

J Washer fluid reservoir cap. See **Washer Fluid Check** (page 152).

[1] The filler caps and the engine oil dipstick are coloured for easy identification.

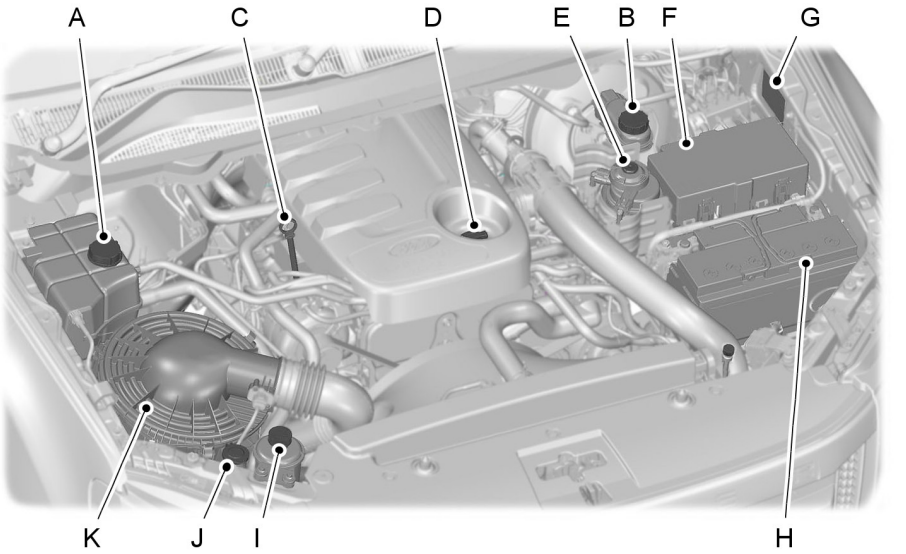
UNDER BONNET OVERVIEW - 2.2L DURATORQ-TDCI (PUMA) DIESEL

RHD



E131930

LHD



E131931

A Engine coolant reservoir cap. See **Engine Coolant Check** (page 150).

B Brake and clutch fluid reservoir cap. See **Brake and Clutch Fluid Check** (page 151).

C Engine oil dipstick[1]. See **Engine Oil Dipstick** (page 149).

D Engine oil filler cap[1]. See **Engine Oil Check** (page 149).

E Fuel filter water trap. See **Draining the Fuel Filter Water Trap** (page 151).

F Engine junction box. See **Fuses** (page 130).

G Vehicle Identificaton Plate. See **Vehicle identification** (page 168).

H Battery. See **Vehicle battery** (page 158).

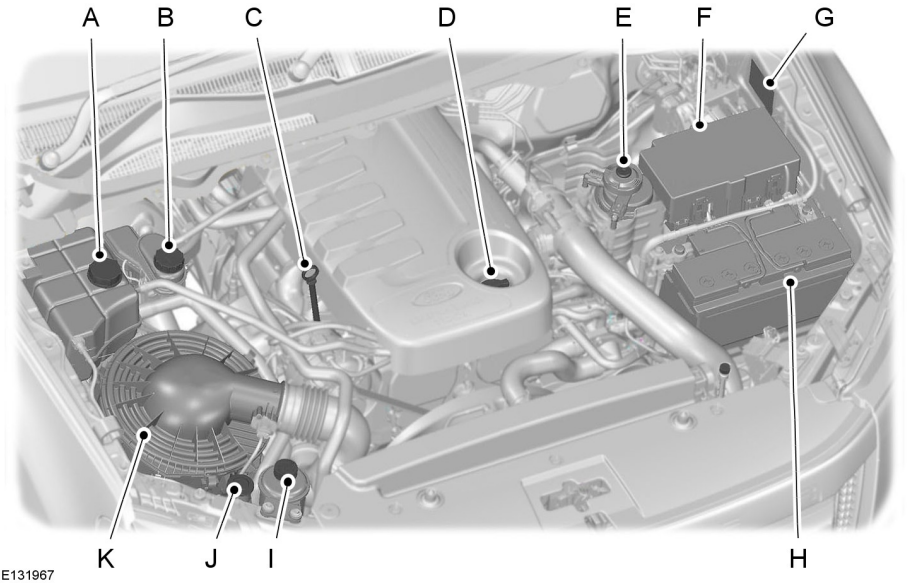
I Power steering fluid reservoir cap. See **Power Steering Fluid Check** (page 151).

J Washer fluid reservoir cap. See **Washer Fluid Check** (page 152).
K Air Cleaner.

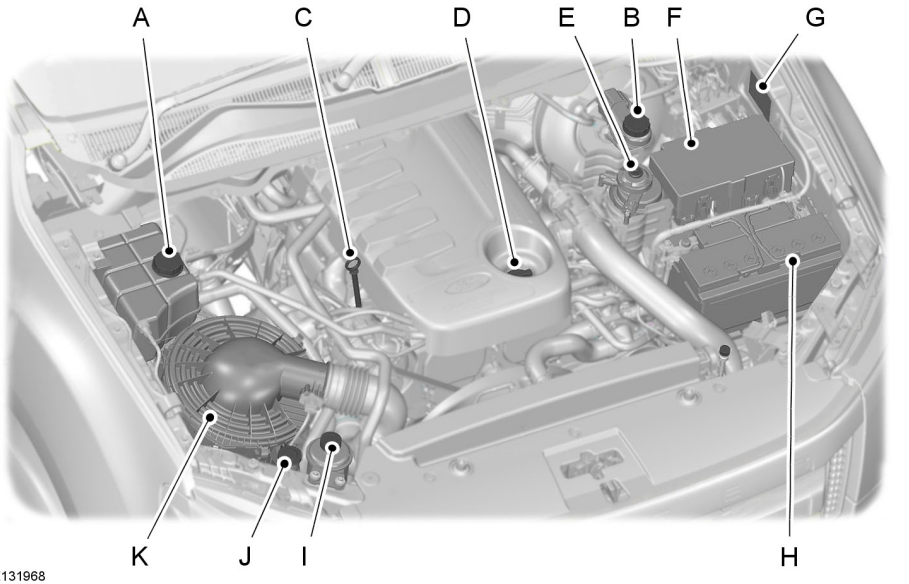
[1] The filler caps and the engine oil dipstick are coloured for easy identification.

UNDER BONNET OVERVIEW - 3.2L DURATORQ-TDCI (PUMA) DIESEL

RHD



LHD



A Engine coolant reservoir cap. See **Engine Coolant Check** (page 150).

B Brake and clutch fluid reservoir cap. See **Brake and Clutch Fluid Check** (page 151).

C Engine oil dipstick[1]. See **Engine Oil Dipstick** (page 149).

D Engine oil filler cap[1]. See **Engine Oil Check** (page 149).

E Fuel filter water trap. See **Draining the Fuel Filter Water Trap** (page 151).

F Engine junction box. See **Fuses** (page 130).

G Vehicle Identificaton Plate. See **Vehicle identification** (page 168).

H Battery. See **Vehicle battery** (page 158).

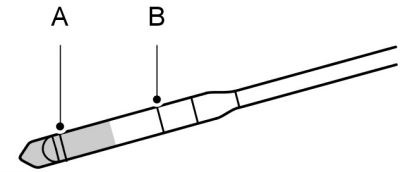
I Power steering fluid reservoir cap. See **Power Steering Fluid Check** (page 151).

J Washer fluid reservoir cap. See **Washer Fluid Check** (page 152).

K Air Cleaner.

[1] The filler caps and the engine oil dipstick are coloured for easy identification.

ENGINE OIL DIPSTICK - 2.5L DURATEC-HE (122KW/165PS) - MI4

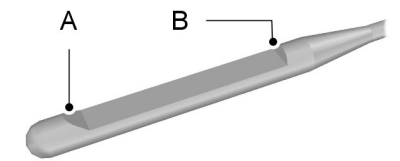


E92036

A MIN

B MAX

ENGINE OIL DIPSTICK - 2.2L DURATORQ-TDCI (PUMA) DIESEL/3.2L DURATORQ-TDCI (PUMA) DIESEL



E71362

A MIN

B MAX

ENGINE OIL CHECK

CAUTION

Do not use oil additives or other engine treatments. Under certain conditions, they could damage the engine.

Note: *The oil consumption of new engines reaches its normal level after approximately 5000 kilometres (3000 miles).*

Checking the oil level

CAUTION

Make sure that the level is between the **MIN** and the **MAX** marks.

Note: *Check the level before starting the engine.*

Note: *Make sure that your vehicle is on level ground.*

Note: *Oil expands when it is hot. The level may therefore extend a few millimetres beyond the **MAX** mark.*

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 level is at the **MIN** mark, top up immediately.

Topping up

WARNINGS

Only top up when the engine is cold. If the engine is hot, wait 10 minutes for the engine to cool down.

WARNINGS

Do not remove the filler cap when the engine is running.

Remove the filler cap.

WARNING

Do not top up further than the **MAX** mark.

Note: *Soak up any spillage with an absorbent cloth immediately.*

Top up with fluid that meets the Ford specification. See **Technical Specifications** (page 152).

Replace the filler cap. Turn it until you feel a strong resistance.

ENGINE COOLANT CHECK

Checking the coolant level

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 doctor.

CAUTION

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, top up immediately.

Topping up

WARNINGS

Only top up 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 spilt on a hot exhaust.

CAUTIONS

In an emergency, you can add just water to the cooling system to reach a vehicle service station. Have the system checked by a properly trained technician as soon as possible.

Prolonged use of incorrect dilution of the coolant can cause engine damage from corrosion, overheating or freezing.

Unscrew the cap **slowly**. Any pressure will escape slowly as you unscrew the cap.

CAUTION

Do not top up further than the **MAX** mark.

Top up with a 50/50 mixture of coolant and water using fluid that meets the Ford specification. See **Technical Specifications** (page 152).

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 doctor.

CAUTION

Make sure that the level is between the **MIN** and the **MAX** marks.

If the level is at the **MIN** mark, top up immediately.

Topping up

Remove the filler cap.

CAUTION

Do not top up further than the **MAX** mark.

Top up with fluid that meets the Ford specification. See **Technical Specifications** (page 152).

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.

WARNINGS

If the level is at the **MIN** mark, have the system checked by a properly trained technician as soon as possible.

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.*

Top up with fluid that meets the Ford specification. See **Technical Specifications** (page 152).

DRAINING THE FUEL FILTER WATER TRAP

WARNING

Do not dispose of diesel in household refuse or the public sewage system. Use your local authorised waste disposal facilities.

Note: *Only add fuel that meets the Ford specification. See **Fuel Quality** (page 89).*

Note: *The in-tank pump will turn off automatically after approximately 40 seconds.*



E131831

For item location: See **Under Bonnet Overview** (page 145). See **Under Bonnet Overview** (page 147).

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.
5. Switch the ignition on to activate the in-tank pump.
6. Drain the water till it is replaced by a clean diesel fuel.
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

Top up the washer fluid reservoir when the washer fluid level indicator is on. See **Warning Lamps and Indicators** (page 58).

When topping up, 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.

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 - Petrol	Castrol Engine Oil	WSS M2C913-C WSS-M2C-913-D

Part	Recommended fluid	Specification
		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 - Automatic	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)
Coolant	Chevron / Arteco	WSS-M97B44-D (XLC-0F02)
Front Axles		WSP-M2C197-A
Rear Axles	Castrol	WSP-M2C197-A
Transfer Case	Motorcraft MERCON® LV	WSS-M2C938-A (XT-10 QLV)

Part	Recommended fluid	Specification
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 petrol 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.



Capacities

Variant	Item	Capacity in Litres (gallons)
All	Power assisted steering fluid	1.2 (0.26)
All	Windscreen 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)

Variant	Item	Capacity in Litres (gallons)
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 & 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)

CLEANING THE EXTERIOR

WARNING

If you use a car wash with a waxing cycle, make sure that you remove the wax from the windscreen.

CAUTIONS

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 the aerial before using an automatic car wash.

Switch the heater blower off to prevent contamination of the fresh air filter.

We recommend that you wash your vehicle with a sponge and lukewarm water containing a car shampoo.

Cleaning the headlamps

CAUTIONS

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 rear window

CAUTION

Do not scrape the inside of the rear window or use abrasives or chemical solvents to clean it.

Use a clean, lint free cloth or a damp chamois leather to clean the inside of the rear window.

Cleaning the chrome trim

CAUTION

Do not use abrasives or chemical solvents. Use soapy water.

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 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 tyre cleaner.
- Use a sponge to remove heavy deposits of dirt and brake dust accumulation.
- Rinse them thoroughly with a pressurised 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.

Body paintwork preservation

CAUTIONS

Do not polish your vehicle in strong sunshine.

Do not allow polish to touch plastic surfaces. It could be difficult to remove.

Do not apply polish to the windscreen or rear window. This could cause the wipers to become noisy and they may not clear the window properly.

We recommend that you wax the paintwork once or twice a year.

CLEANING THE INTERIOR

Seat belts

WARNINGS

Do not use abrasives, or chemical solvents to clean them.

Do not allow moisture to penetrate the seat belt retractor mechanism.

Clean the seat belts with interior cleaner or water applied with a soft sponge. Let the seat belts dry naturally, away from artificial heat.

Instrument cluster screens, LCD screens, radio screens

WARNING

Do not use abrasives, alcoholic solvents or chemical solvents to clean them.

Rear windows

CAUTIONS

Do not use any abrasive materials to clean the interior of the rear windows.

Do not install stickers or labels to the interior of the rear windows.

REPAIRING MINOR PAINT DAMAGE

CAUTION

Remove apparently harmless looking substances from the paintwork immediately (e.g. bird droppings, tree resins, insect remains, tar spots, road salt and industrial fall out).

You should repair paintwork damage caused by stones from the road or minor scratches as soon as possible. A choice of products is available from your Ford Dealer. Read and follow the manufacturer's instructions.

JUMP-STARTING THE VEHICLE

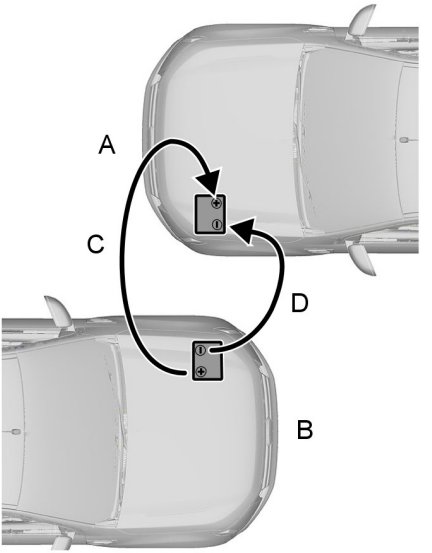
CAUTIONS

Connect batteries with only the same nominal voltage.

Always use booster cables with insulated clamps and adequate size cable.

Do not disconnect the battery from the vehicle's electrical system.

To connect the booster cables



E131788

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**).
4. Connect the negative (-) terminal of vehicle **B** to the ground connection of vehicle **A** (cable **D**). See **Battery connection points** (page 159).

CAUTIONS

Do not connect to the negative (–) terminal of the flat battery.

Make sure that the cables are clear of any moving parts.

To start the engine

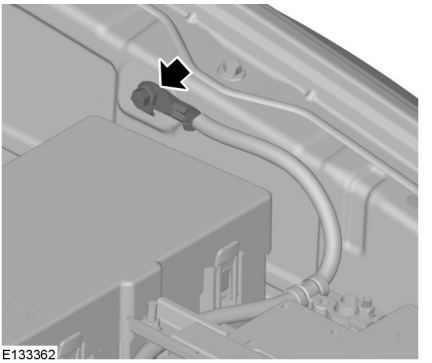
1. Run the engine of vehicle **B** at moderately high speed.
2. Start the engine of vehicle **A**.
3. Run both vehicles for a minimum of three minutes before disconnecting the cables.

CAUTION

Do not switch on the headlamps when disconnecting the cables. The peak voltage could blow the bulbs.

Disconnect the cables in the reverse order.

BATTERY CONNECTION POINTS



CAUTION

Do not connect to the negative (–) terminal of the flat battery.

BATTERY WARNING SYMBOLS

Battery lables

No smoking, no naked flames, no sparks.

Shield the eyes.

Keep away from children.

Corrosive.

Note operating instructions.

Explosive gas.

GENERAL INFORMATION

CAUTIONS

Use only approved wheel and tyre sizes. Using other sizes could damage the vehicle and will make the National Type Approval invalid.

If you change the diameter of the tyres from that fitted at the factory, the speedometer may not display the correct speed. Take the vehicle to your dealer to have the engine management system reprogrammed.

If you intend to change the size of the wheels from that fitted at the factory, check the suitability with your dealer.

Note: *Check your tyre pressures regularly to optimise fuel economy.*

A decal with tyre pressure data is located in the driver's door opening at the B-pillar.

Check and set the tyre pressure at the ambient temperature in which you are intending to drive the vehicle and when the tyres are cold.

CHANGING A ROAD WHEEL

Locking wheel nuts

You can obtain a replacement locking wheel nut key and replacement locking wheel nuts from your dealer using the reference number certificate.

Vehicle jack

WARNINGS

The vehicle jack supplied with your vehicle should only be used when changing a wheel in emergency situations.

WARNINGS

Before using the vehicle jack, check that it is not damaged or deformed and that the thread is lubricated and free from foreign matter.

Never place anything between the jack and the ground, or the jack and the vehicle.

It is recommended to use a workshop type hydraulic jack for changing between summer and winter tyres.

Note: *Use a jack with a minimum lifting capacity of one tonne (one ton) and a lifting plate with a minimum diameter of 80 millimetres (3.1 inches).*

The jack, wheel brace, and jack handle are located in the cab.

Single cab

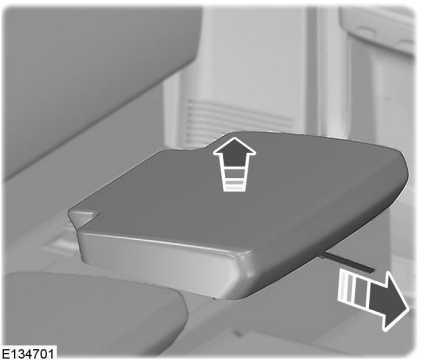


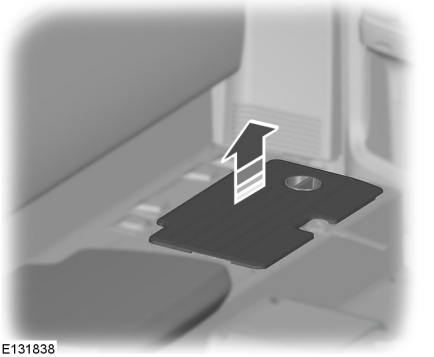
E133591

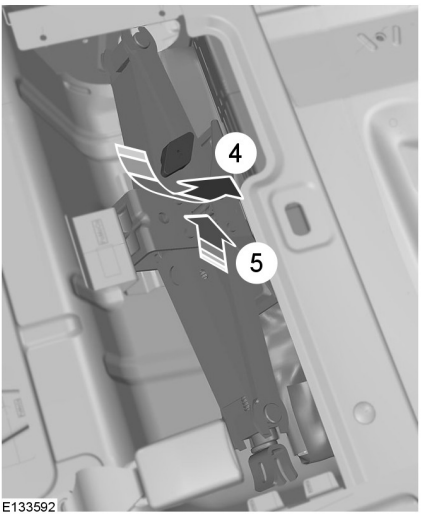

E135841

1. Fold the LH seatback forward.
2. Remove the locking strap and remove the tools.
3. Fold the RH seatback forward.
4. Loosen the jack, remove the bolt and remove the jack.

Stretch cab


E134701

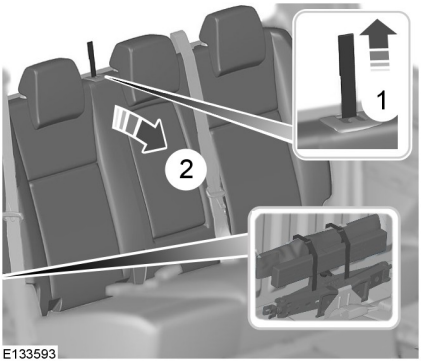

E131838



E133592

1. Pull the release strap.
2. Remove the rear seats.
3. Remove the cover and loosen the jack.
4. Remove the bolt.
5. Remove the jack.
6. Remove the tools.

Double cab



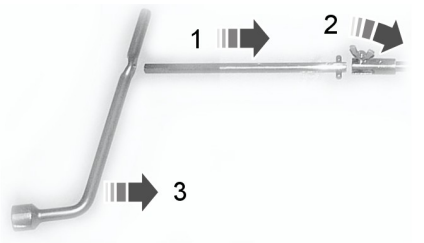
E133593

1. Lift the release strap.
2. Lower the seatback.
3. Remove the locking strap.
4. Loosen the jack and remove the bolt.
5. Remove the jack.

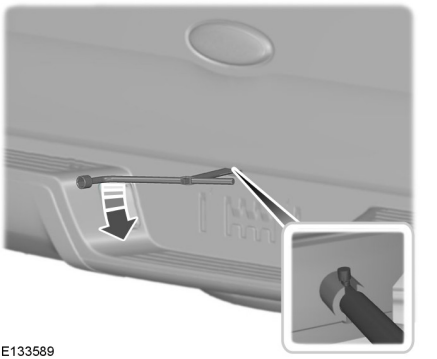
Spare wheel

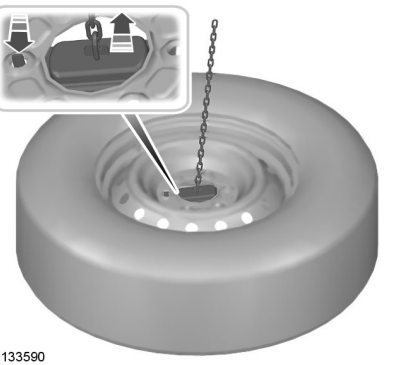
Note: *Your vehicle may exhibit some unusual driving characteristics.*

The spare wheel is located underneath the rear of the vehicle.



E79153


E133589

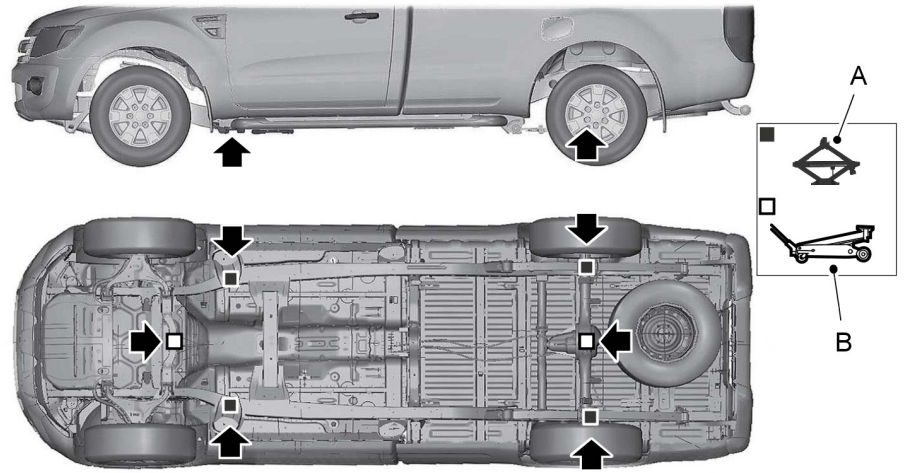

E133590

1. Assemble the handle.
2. Fully insert the jack handle into the guide hole. Turn anti-clockwise until the wheel rests on the ground, and there is slack in the cable.
3. Pass the bracket and cable through the wheel opening.

Jacking and lifting points

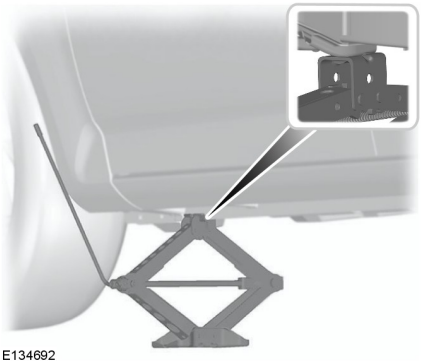
CAUTION

Use only the specified jacking points. If you use other positions, you may damage the body, steering, suspension, engine, braking system or the fuel lines.



E133594

A Emergency use only
B Maintenance



E134692

Removing a road wheel

WARNINGS

Park your vehicle in such a position that neither the traffic nor you are hindered or endangered.

Turn on the hazard warning flasher.

Set up a warning triangle.

Make sure that the vehicle is on firm, level ground with the wheels pointing straight ahead.

Switch off the ignition and apply the parking brake.

If your vehicle has a manual transmission, select first or reverse gear. If it has an automatic transmission, select park.

Have the passengers leave the vehicle.

Always secure the diagonally opposite wheel with an appropriate block or wheel chock when changing a wheel.

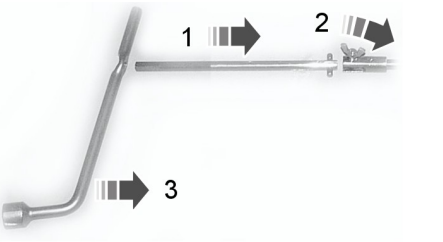
WARNINGS

Only use the vehicle jack to change a wheel. Never work underneath the vehicle when it is supported only by the jack.

Make sure that the jack is vertical to the jacking point and the base is flat on the ground.

CAUTION

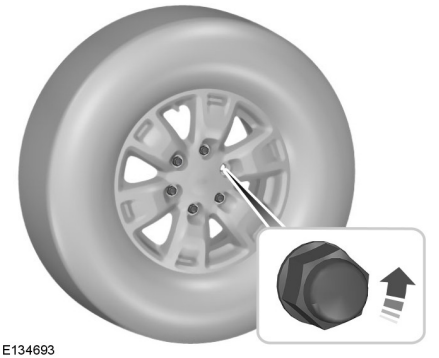
Do not lay alloy wheels face down on the ground, this will damage the paint.



E79153

Note: *Three handles need to be assembled when jacking the rear of the vehicle.*

1. Assemble the jack handle.
2. Slacken the wheel nuts.
3. Jack up the vehicle until the tyre is clear of the ground.


E134693

4. Unscrew and remove the wheel nuts and take off the wheel.

Installing a road wheel

WARNINGS

Use only approved wheel and tyre sizes. Using other sizes could damage the vehicle and will void the warranty. See **Technical Specifications** (page 167).

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 that there is no lubrication (grease or oil) on the threads or the interface between wheel studs and nuts.

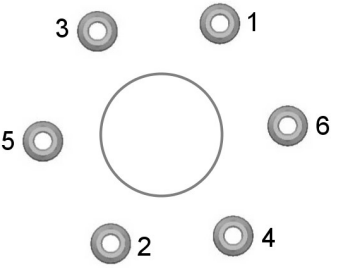
Have the tightening torque of the wheel nuts and the tyre pressure checked as soon as possible.

CAUTION

Do not install alloy wheels using wheel nuts designed for use with steel wheels.

Note: *The wheel nuts of alloy wheels and spoked steel wheels can also be used for the steel spare wheel for a short time (maximum two weeks).*

1. Install the wheel.
2. Install the wheel nuts finger tight.
3. Install the locking wheel nut key.



E79156

4. Partially tighten the wheel nuts in the sequence shown.
5. Lower the vehicle and remove the jack.
6. Fully tighten the wheel nuts in the sequence shown. See **Technical Specifications** (page 167).
7. Make sure that the projection of the cap is positioned on the same position as the projection of the hub.

WARNING

Have the wheel nuts checked for tightness and the tyre 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.*

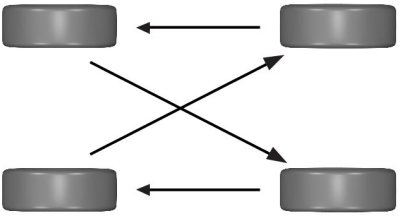
Stowing the wheel

CAUTION

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, so the outside of the wheel faces down. Tilt the bracket, and pass it and the cable through the centre opening in the wheel.
2. Fully insert the flat end of the wheel brace into the guide hole and turn clockwise.
3. Stow the wheel brace, jack, and jack handle away.

TYRE CARE



E136542

To make sure the front and rear tyres of your vehicle wear evenly and last longer, we recommend that you swap the tyres as per the graphic at regular intervals of 10 000 km (6 000 miles).

CAUTION

Do not scrub the sidewalls of the tyres when you are parking.

If you have to mount a kerb, do so slowly and approach it with the wheels at right-angles to the kerb.

Examine the tyres regularly for cuts, foreign objects and uneven wear of the tread. Uneven wear could mean that the wheel alignment is outside specification.

Limited-Slip Axle

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.

USING WINTER TYRES

CAUTION

Make sure that you use the correct wheel nuts for the type of wheel the winter tyres are fitted to.

If winter tyres are used, make sure that the tyre pressures are correct. See **Technical Specifications** (page 167).

USING SNOW CHAINS

WARNINGS

Do not exceed 50 km/h (30 mph).

Do not use snow chains on snow-free roads.

CAUTION

If your vehicle is fitted with wheel trims, remove them before fitting snow chains.

Note: *The ABS will continue to operate normally.*

Note: *Tighten the snow chains after 1 km (0.5 miles).*

Only use small link snow chains.

Only use snow chains on the rear wheels.

On 4-wheel drive vehicles, inflate the rear tyres to the maximum pressure permissible. See **Technical Specifications** (page 167).

TECHNICAL SPECIFICATIONS

Wheel nut torque

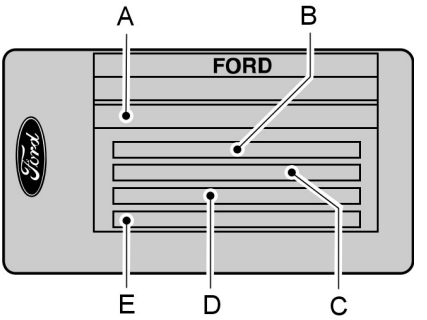
Wheel type	Nm (lb-ft)
All	135 (99.6)

Tyre pressures (cold tyres)

Variant	Tyre 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 tyres.

VEHICLE IDENTIFICATION PLATE



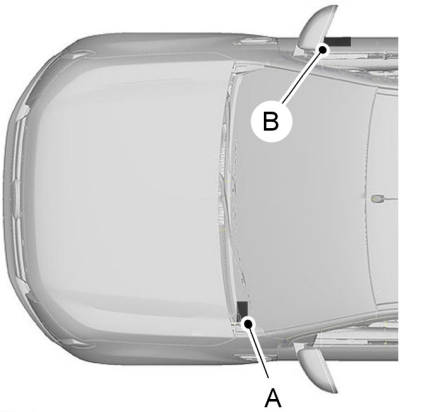
E85610

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 number and maximum weights are shown on a plate located on the bottom of the passenger door aperture.

VEHICLE IDENTIFICATION NUMBER

Depending on the build location of your vehicle, the stamped vehicle identification number can be found in the following locations.



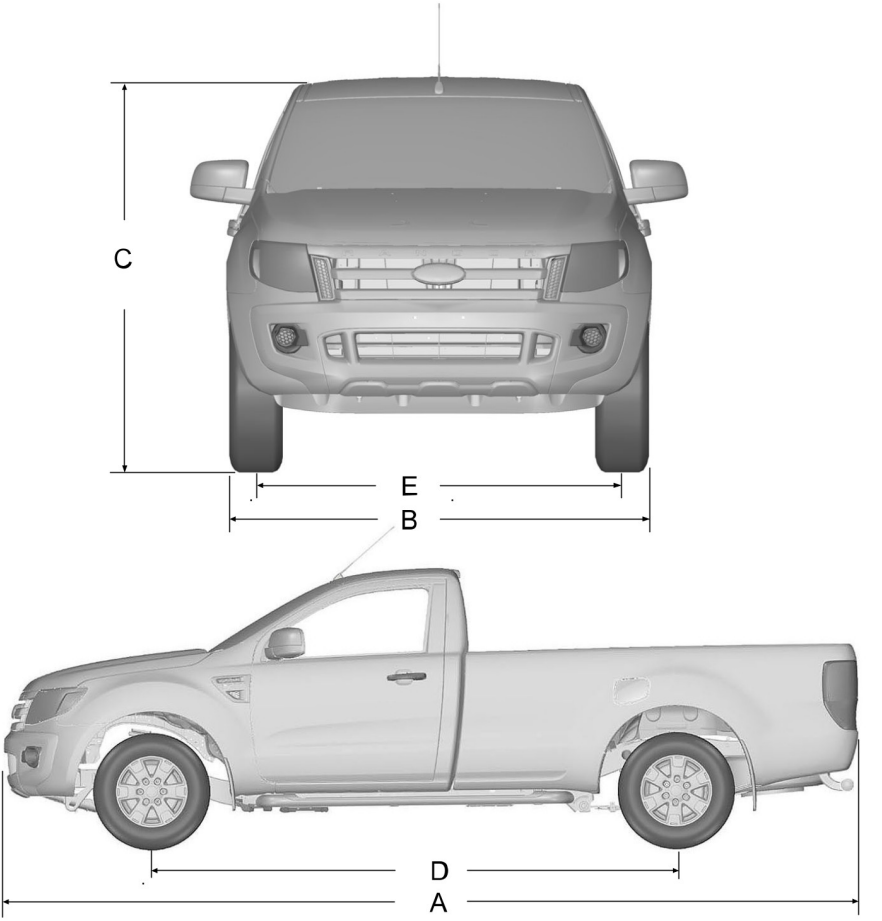
E133363

A Left-hand side of the instrument panel.
B Right-hand side beneath the front door on the chassis.

TECHNICAL SPECIFICATIONS

Vehicle dimensions

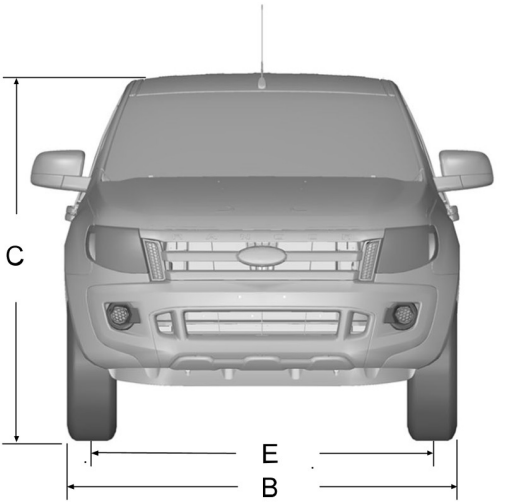
Single cab



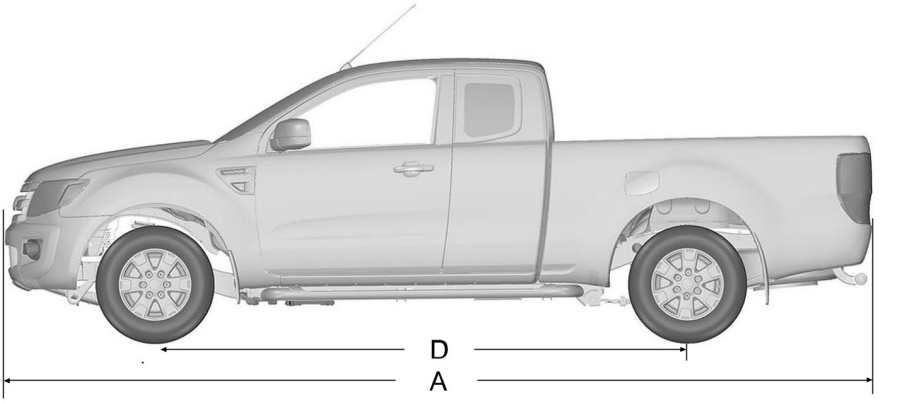
E131995

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)	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



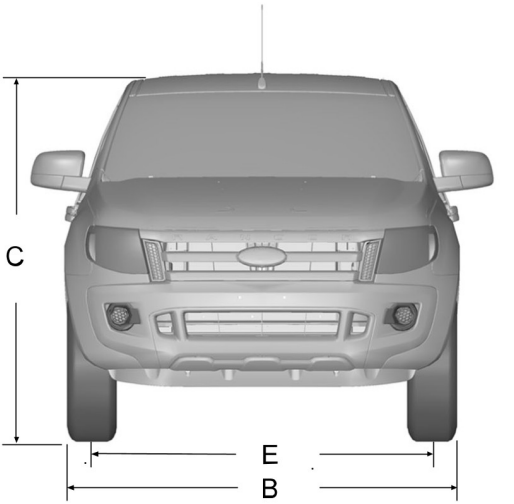
E131996

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)

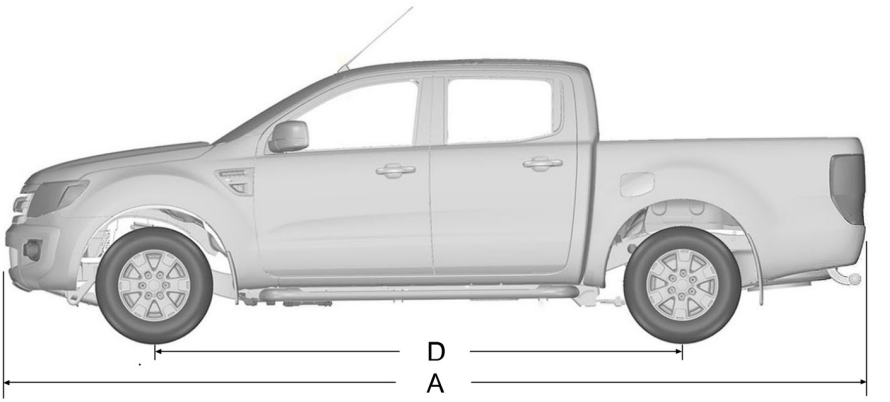
[1]Depending on tyre size

*Vehicles with increased ride height

Double cab



E131994



E131997

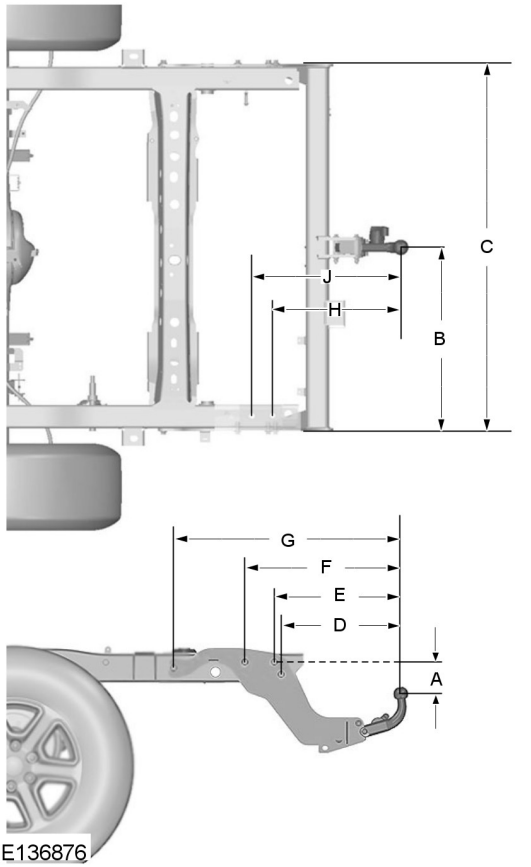
Item	Dimension Description	Dimension in mm (inches)
A	Maximum length	5359 (211.0)
B	Overall width - excluding exterior mirrors	1850 (72.8)
C	Overall height (4x2)	1716 (67.5)
C	Overall height (4x2* or 4x4)	1815-1848 (71.4-72.8)[1]
D	Wheelbase	3220 (126.8)
E	Track - front and rear (4x2)	1590 (62.6)
E	Track - front and rear (4x2* or 4x4)	1560 (61.4)

[1] Depending on tyre size

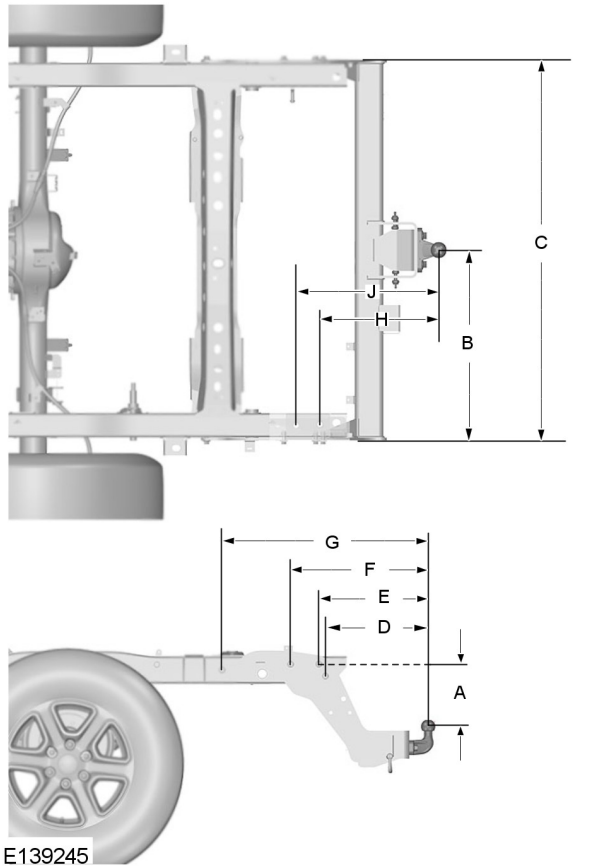
*Vehicles with increased ride height

Towing equipment dimensions

4x2



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)

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		

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 handbook, 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.

WARNINGS


Do not use the system until you have familiarised 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.

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

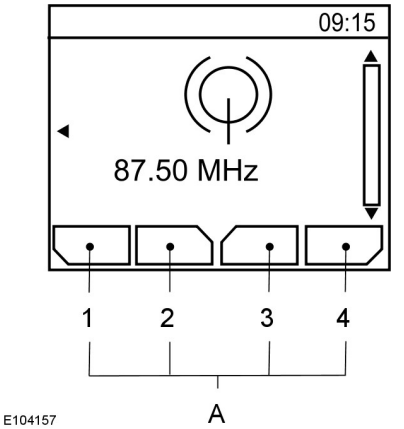
- Use the up and down arrow buttons and scroll to **Destination input**.
- Press the OK button to activate your selection.

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 centre for example, full address details are not required.*

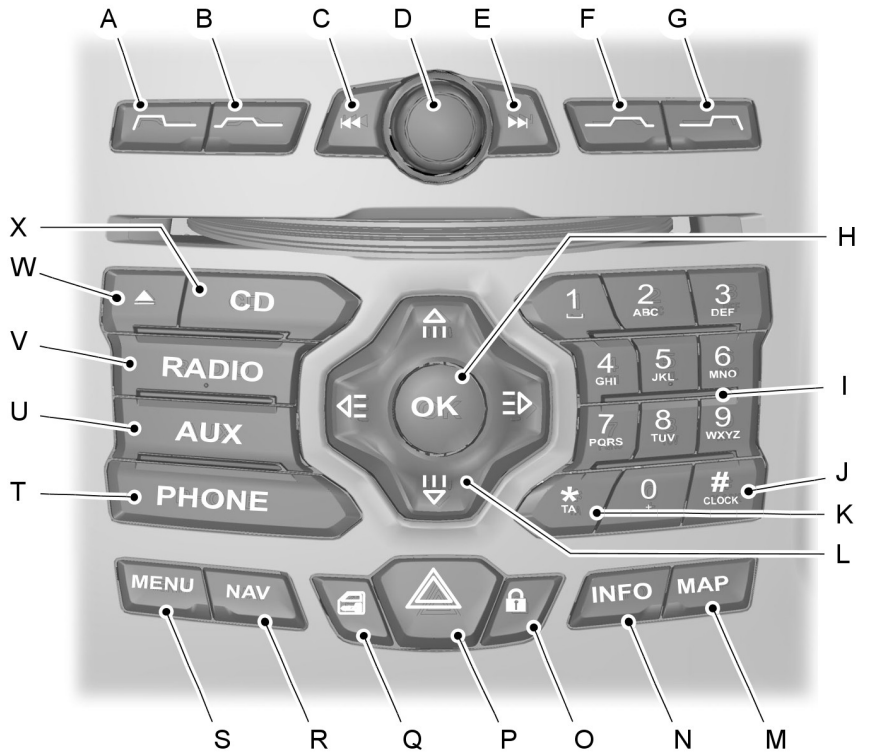
- The route is now calculated and the screen returns to the main navigation screen with instructions on how to proceed.
- Follow the screen information and voice prompts to reach your destination.



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.

Vehicles with SD navigation system



E135352

A Function 1.

B Function 2.

C Seek down. CD track selection. See **Station tuning control** (page 202). See **Track selection** (page 207).

D On/off and volume control.

E Seek up. CD track selection. See **Station tuning control** (page 202). See **Track selection** (page 207).

F Function 3.

G Function 4.

H OK.

I Telephone keypad, station presets and navigation keypad. See **Using the telephone** (page 217). See **Station preset buttons** (page 203). See **Navigation Quick start** (page 179).

J Clock.

K Traffic announcement. See **Traffic information control** (page 204).

L Navigation arrows.

M Map.

N Information.

O Door lock indicator.

P Hazard warning flasher switch. See **Hazard Warning Flashers** (page 45).

Q Door lock button. See **Locking and Unlocking** (page 30).

R Navigation.

S Menu select.

T Phone menu. See **Telephone** (page 215).

U Auxiliary, USB and iPod select. See **Auxiliary Input Socket** (page 84). See **Auxiliary input (AUX IN) socket** (page 212). See **Connectivity** (page 236).

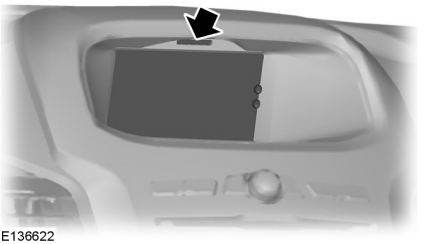
V Radio and waveband select. See **Audio unit operation** (page 202).

W CD eject. See **Compact Disc Player** (page 207).

X CD select. See **Compact Disc Player** (page 207).

LOADING THE NAVIGATION DATA

Loading the navigation data


E136622

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.

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 64).

Menu structure - Information and entertainment display - Vehicles with navigation system

Route

This feature allows you to customise 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 customise 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 customise 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 customise 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.

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 customise display information for your journey (for example time to arrival and lane guidance).

Assistance options

This feature allows you to customise 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 205).

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 customise speaker output relevant to seat positions. See **Digital signal processing (DSP)** (page 205).

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 205).

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 205).

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 205).

RDS regional

This feature controls the behaviour of AF switching between regionally related networks of a parent broadcaster. See **Regional mode (REG)** (page 206).

Bluetooth

This feature allows you to switch Bluetooth on or off.

Clock settings

Set time

This feature allows you to manually adjust the time.

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.

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 prioritise the most economical route to the destination.

Fast

This option will prioritise the fastest route to the destination.

Short

This option will prioritise 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 prioritise the route for a leisurely driver to the destination.

Normal

This option will prioritise the route for a normal driver to the destination.

Fast

This option will prioritise the route for a fast driver 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 motorways 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.

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 centre 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 metres to 500 kilometres 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.

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 programme (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 64). 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 64).

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.

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.

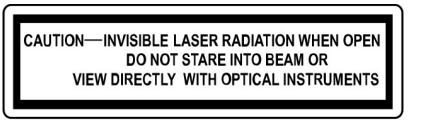
Dual format, dual sided discs (DVD Plus, CD-DVD format), adopted by the music industry, are thicker than normal CDs and consequently playback cannot be guaranteed, and jamming could occur. Irregular shaped CDs and CDs with a scratch protection film or self adhesive labels attached should not be used. 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.

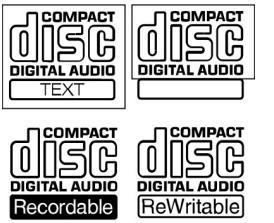
Audio unit labels





Disc labels

Audio CD



MP3



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

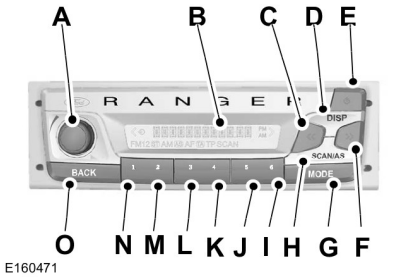
Type 2: Base display

Type 3: Large display

Type 4: 4.2 inch colour display

Type 5: 5 inch NAV colour display

Type 0



A Volume/menu control.

B LCD display.

C Seek down (long press). Manual tune down (short press). See **Station tuning control** (page 202).

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 202).

G Audio mode select. See **Audio unit operation** (page 202). See **Auxiliary Input Socket** (page 84). See **Auxiliary input (AUX IN) socket** (page 212).

H Scan and auto store.

I Station preset 6. See **Station preset buttons** (page 203).

J Station preset 5. See **Station preset buttons** (page 203).

K Station preset 4. See **Station preset buttons** (page 203).

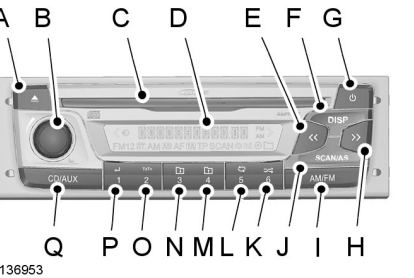
L Station preset 3. See **Station preset buttons** (page 203).

M Station preset 2. See **Station preset buttons** (page 203).

N Station preset 1. See **Station preset buttons** (page 203).

O Menu back.

Type 1



A CD eject. See **Compact Disc Player** (page 207).

B Volume/menu control.

C CD Aperture.

D LCD display.

E Seek down. CD track select/Fast-rewind. See **Station tuning control** (page 202). See **Track selection** (page 207).

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 202). See **Track selection** (page 207).

I Radio and waveband select. See **Audio unit operation** (page 202).

J Scan and auto store.

K Station preset 6. Shuffle. See **Station preset buttons** (page 203).

L Station preset 5. Repeat. See **Station preset buttons** (page 203).

M Station preset 4. Next folder. See **Station preset buttons** (page 203).

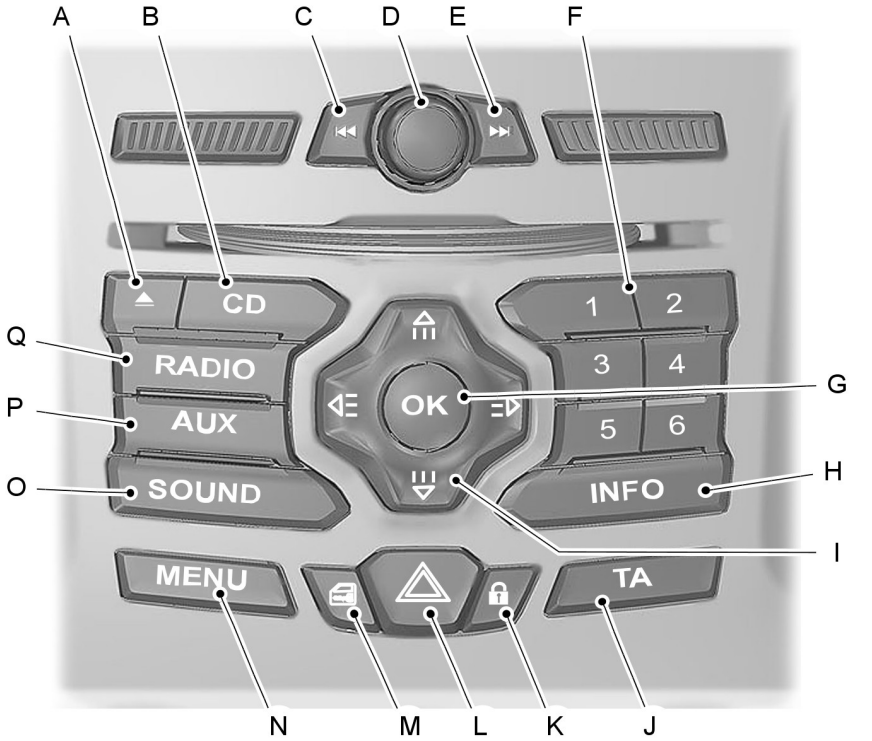
N Station preset 3. Previous folder. See **Station preset buttons** (page 203).

O Station preset 2. Scroll display. See **Station preset buttons** (page 203).

P Station preset 1. Menu back. See **Station preset buttons** (page 203).

Q Select CD/Auxiliary. See **Compact Disc Player** (page 207). See **Auxiliary Input Socket** (page 84). See **Auxiliary input (AUX IN) socket** (page 212).

Type 2



E135350

A CD eject. See **Compact Disc Player** (page 207).

B CD select. See **Compact Disc Player** (page 207).

C Seek down. CD track selection. See **Station tuning control** (page 202). See **Track selection** (page 207).

D On/off and volume control.

E Seek up. CD track selection. See **Station tuning control** (page 202). See **Track selection** (page 207).

F Station presets. See **Station preset buttons** (page 203).

G Menu select.

H Information.

I Navigation arrows.

J Traffic announcement. See **Traffic information control** (page 204).

K Door lock indicator.

L Hazard warning flasher switch. See **Hazard Warning Flashers** (page 45).

M Door lock button. See **Locking and Unlocking** (page 30).

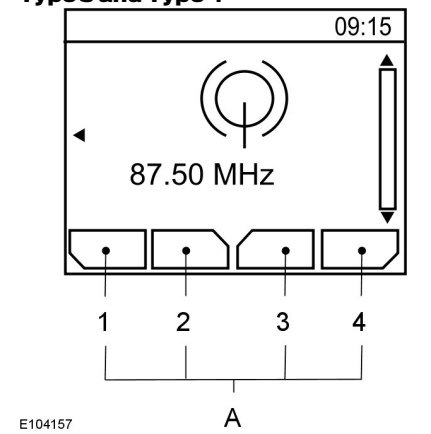
N Menu entry/exit.

O Sound button. See **Sound button** (page 202).

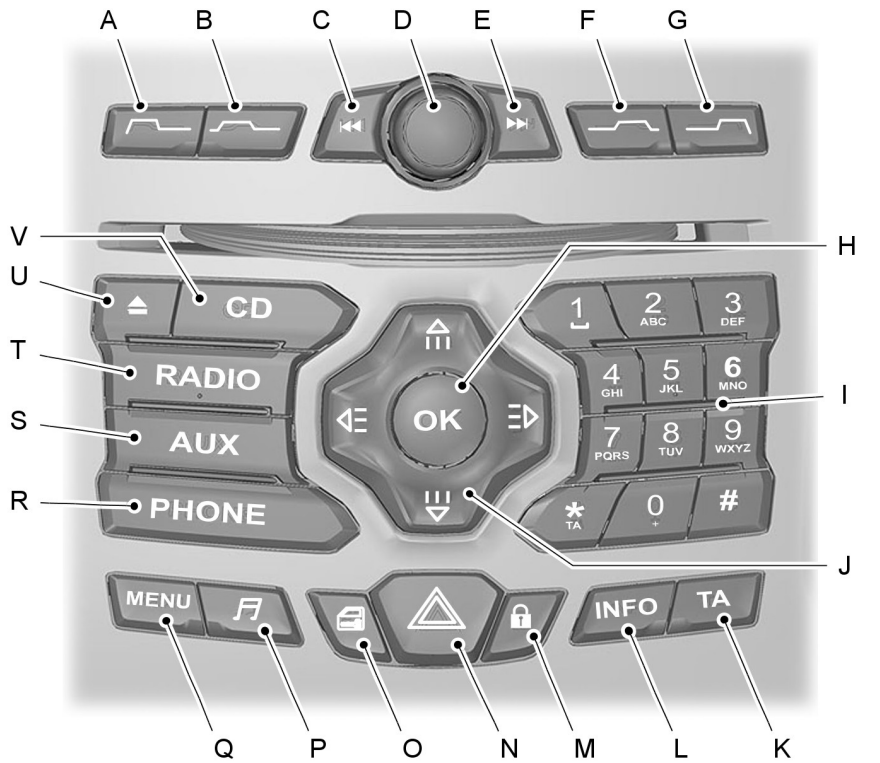
P Auxiliary select. See **Auxiliary Input Socket** (page 84). See **Auxiliary input (AUX IN) socket** (page 212).

Q Radio and waveband select. See **Audio unit operation** (page 202).

Type 3 and Type 4



A Descriptions for function buttons 1-4



E135351

A Function 1.

B Function 2.

C Seek down. CD track selection. See **Station tuning control** (page 202). See **Track selection** (page 207).

D On/off and volume control.

E Seek up. CD track selection. See **Station tuning control** (page 202). See **Track selection** (page 207).

F Function 3.

G Function 4.

H Menu select.

I Telephone keypad and station presets. See **Using the telephone** (page 217). See **Station preset buttons** (page 203).

J Navigation arrows.

K Traffic announcement. See **Traffic information control** (page 204).

L Information.

M Door lock indicator.

N Hazard warning flasher switch. See **Hazard Warning Flashers** (page 45).

O Door lock button. See **Locking and Unlocking** (page 30).

P Sound button. See **Sound button** (page 202).

Q Menu entry/exit.

R Phone menu. See **Telephone** (page 215).

S Auxiliary, USB and iPod select. See **Auxiliary Input Socket** (page 84). See **Auxiliary input (AUX IN) socket** (page 212). See **Connectivity** (page 236).

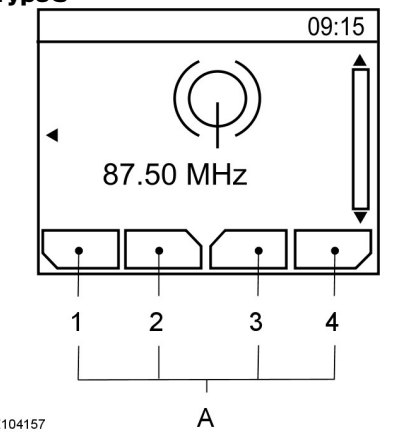
T Radio and waveband select. See **Audio unit operation** (page 202).

U CD eject. See **Compact Disc Player** (page 207).

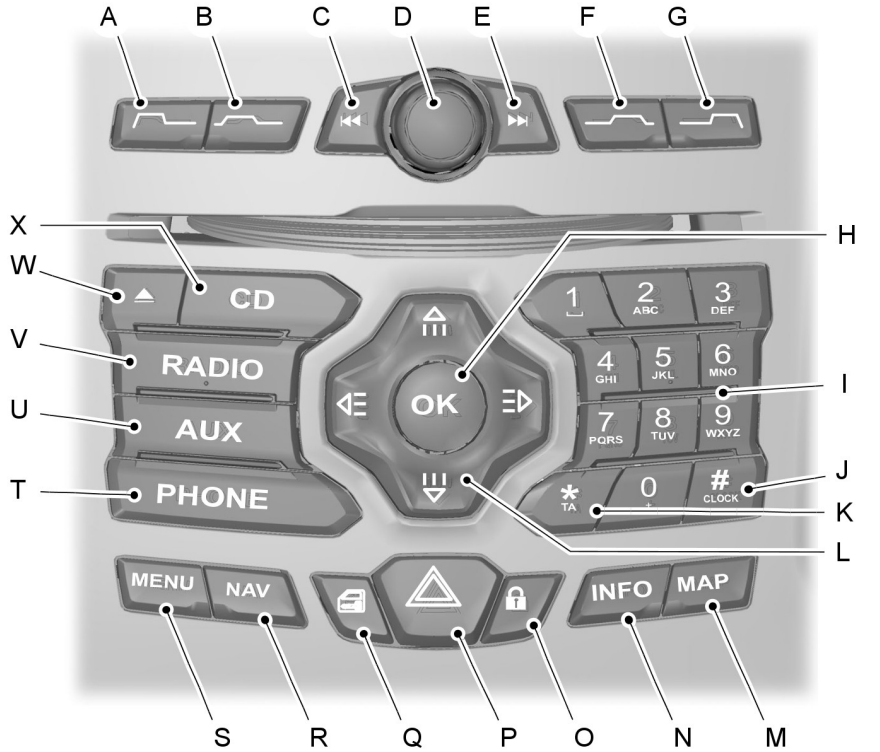
V CD select. See **Compact Disc Player** (page 207).

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



A Descriptions for function buttons 1-4



A Function 1.

B Function 2.

C Seek down. CD track selection. See **Station tuning control** (page 202). See **Track selection** (page 207).

D On/off and volume control.

E Seek up. CD track selection. See **Station tuning control** (page 202). See **Track selection** (page 207).

F Function 3.

G Function 4.

H Menu select.

I Telephone keypad, station presets and navigation keypad. See **Using the telephone** (page 217). See **Station preset buttons** (page 203). See **Navigation Quick start** (page 179).

J Clock.

K Traffic announcement. See **Traffic information control** (page 204).

L Navigation arrows.

M Map.

N Information.

O Door lock indicator.

P Hazard warning flasher switch. See **Hazard Warning Flashers** (page 45).

Q Door lock button. See **Locking and Unlocking** (page 30).

R Navigation.

S Menu entry/exit.

T Phone menu. See **Telephone** (page 215).

U Auxiliary, USB and iPod select. See **Auxiliary Input Socket** (page 84). See **Auxiliary input (AUX IN) socket** (page 212). See **Connectivity** (page 236).

V Radio and waveband select. See **Audio unit operation** (page 202).

W CD eject. See **Compact Disc Player** (page 207).

X CD select. See **Compact Disc Player** (page 207).

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.

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.

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 191).*

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:

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.*

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.

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 favourite 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.

TRAFFIC INFORMATION CONTROL

Many stations that broadcast on the FM waveband have a TP code to signify that they carry traffic programme 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 programme.

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.*

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 equaliser

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 programmes that broadcast on the FM waveband have a programme identification (PI) code, which can be recognised 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.

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 behaviour 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 centred on major towns or cities. When the network is not split into regional variants, the whole network caries the same programming.

Regional mode ON: This prevents 'random' AF switches when neighbouring regional networks are not carrying the same programming.

Regional mode OFF: This allows a larger coverage area if neighbouring 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 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.

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 (MPEG 1 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.

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-finalised 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

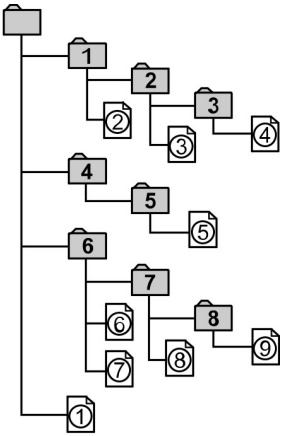
- If an MP3 file is in the disc, only MP3 file(s) play back and other data is skipped. (Audio CD data is not recognised.)
- If no MP3 file is in the disc, nothing is played back. (Audio CD data is not recognised.)

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.)



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:

- 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.

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.

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 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.

GENERAL INFORMATION

CAUTION

Using the system with the engine off will drain the battery.

This section describes the functions and features of the Bluetooth mobile phone hands free system.

The Bluetooth mobile phone part of the system provides interaction with the audio or navigation system and your mobile phone. It allows you to use the audio or navigation system to make and receive calls without having to hold your mobile phone.

Compatibility of phones

CAUTION

As no common agreement exists, mobile 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:


Phone


Mobile


Home


Office


Fax

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.

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.

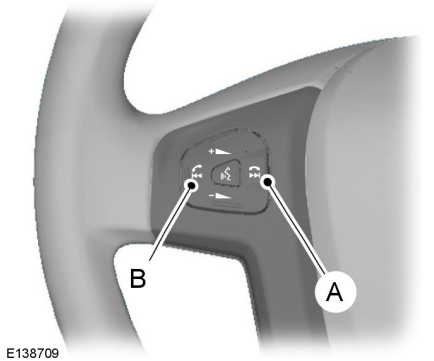
1. The Bluetooth feature must be activated on the phone and on the audio unit. Make sure the Bluetooth menu option in the audio unit is set to **ON**. For information on phone settings, refer to your phone user guide.
2. In the Bluetooth menu on your phone, search for **Ford Audio** and select it.
3. 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 mobile 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 CONTROLS

Remote control

Accept and reject call button



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

Dialling a number using voice control

Phone numbers can be dialled using voice control. See **Telephone commands** (page 229).

Dialling 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.

Dialling 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.

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.

Redialling 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 redialled.*

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.

Redialling the last dialled 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.*

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.

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 familiarise 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 voice 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"

- automatic climate control: "TEMPERATURE", "AUTO MODE", "DEFROSTING/DEMISTING ON" and "DEFROSTING/DEMISTING OFF"
- radio: "TUNE NAME"
- external device (USB): "TRACK"
- external device (iPod): "TRACK"

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 38).

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 favourite radio stations and personal phone contacts. See **Audio unit commands** (page 221). See **Telephone commands** (page 229).

- 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.

"CD PLAYER"
"HELP"
"PLAY"
"TRACK"*
"SHUFFLE ALL"
"SHUFFLE FOLDER"**
"SHUFFLE OFF"
"REPEAT FOLDER"**

"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.

"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)

- "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"

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"

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"	

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.

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.

"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 dialled 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"*

"PHONE"
"ACCEPT CALLS"
"REJECT CALLS"

* Can be used as a shortcut.

Phone functions

Dial number

Phone numbers can be dialled 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 dialled 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.

Redial

This function allows you to redial the last dialled 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>"	

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.

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

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.

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 ºC with 0.5 increments>" or "<a number between 59 and 84 ºF>"	"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.

GENERAL INFORMATION

CAUTIONS

Take care when handling external devices with exposed electrical connectors (such as the USB plug). Always replace the protective cap/shield when possible. There may be a risk of electrostatic discharge causing damage to the device.

Do not touch or handle the USB socket in the vehicle. Cover the socket when not in use.

Only use USB Mass-Storage device compliant devices.

Always switch your audio unit to a different source (for example the radio) before unplugging the USB device.

Do not install or connect USB hubs or splitters.

Note: *The system is only designed to recognize and read suitable audio files from a USB device that conforms to the USB Mass-Storage device class or an iPod. Not all available USB devices can be guaranteed to function with the system.*

Note: *It is possible to connect compatible devices with a trailing USB lead as well as those that plug into the vehicle USB socket directly (for example USB memory sticks and pen drives).*

Note: *Some USB devices with a higher power consumption may not be compatible (for example some larger hard drives).*

Note: *Access time to read the files on the external device will vary depending upon factors such as the file structure, size and device content.*

The system supports a range of external devices, to fully integrate with your audio unit via the USB and auxiliary input sockets. Once connected, control of the external device is possible via the audio unit.

A list of typical compatible devices are shown below:

- USB memory sticks
- USB portable hard drives
- Some MP3 players with USB connection
- iPod media players (refer to **www.ford-mobile-connectivity.com** for latest compatibility list).

The system is USB 2.0 full speed compatible, USB 1.1 host compliant and supports FAT 16/32 file systems.

Information on audio file structures for external devices

USB

Create only a single partition on the USB device.

We recommend that you put MP3 files in a folder.

If playlists are created, they must contain correct file paths referenced to the USB device. It is recommended to create the playlist after the audio files have been transferred to the USB device.

Playlists must be created in .m3u format.

Audio files must be in .mp3 format.

Do not exceed the following limits:

- 1000 items per folder (files, folders and playlists)
- 5000 folders per USB device (including playlists)
- 8 subfolder levels.

To enable voice control for custom playlists and folders, follow the procedure below:

- Create folders named with the structure **"Ford<*>"** where <*> is a number 1-10. For example **"Ford3"** without an extension.
- Create playlists named with the structure **"Ford<*>.m3u"** where <*> is a number 1-10. For example **"Ford5.m3u"** without any space between **"Ford"** and the number.

Thereafter, custom folders and playlists will be selectable with voice control. See **Audio unit commands** (page 221).

iPod

To enable voice control for custom playlists, create playlists named with the structure **"Ford<*>"** where <*> is a number 1-10. For example **"Ford7"** without any space between **"Ford"** and the number.

Thereafter, playlists will be selectable with voice control. See **Audio unit commands** (page 221).

CONNECTING AN EXTERNAL DEVICE

WARNING

Make sure the external device is securely mounted within the vehicle, and that trailing connections do not obstruct any of the driving controls.

External devices may be connected using the auxiliary input socket and the USB port. See **Auxiliary Input Socket** (page 84). See **USB Port** (page 84).

Connection

Plug in the device, and if necessary secure it to prevent movement within the vehicle.

Connecting an iPod

Connect the USB cable from the iPod to the vehicle USB socket.

CONNECTING AN EXTERNAL DEVICE - VEHICLES WITH: BLUETOOTH

Connecting a Bluetooth audio device

CAUTION

As various standards exist, manufacturers are able to implement a variety of profiles in their Bluetooth devices. Because of this, an incompatibility can occur between the Bluetooth device and the system, which in some cases may limit system functionality. To avoid this situation, only recommended devices should be used.

Please visit the website **www.ford-mobile-connectivity.com** for full details.

Bonding the device

Note: *Some audio and navigation units have a separate Bluetooth audio menu. Use this to access setup and control.*

To connect the device to the system follow the same procedure as for Bluetooth hands free phones. See **Bluetooth setup** (page 216).

Operating the device

Select Bluetooth audio as the active source.

Tracks can be accessed by skipping forwards and backwards using the steering wheel controls, or directly from the audio unit controls.

USING A USB DEVICE

Various icons are used to identify types of audio file, folders etc.


USB device is the active source


Folder


Playlist


Album


Artist


Filename


Track title


Information not available

USB

Operation

Select the USB device as the audio source by repeatedly pressing the **CD/AUX** button until USB appears in the display. After first connecting the USB device, the first track within the first folder will start to play automatically. Subsequently, following audio source switching, the position of playback on the USB device is remembered.

To browse the device contents, press the up/down arrow key or the OK button once.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the folder view.
- ">" after an entry indicates a further level down is readable (for example a folder named after an album, with individual album tracks within that folder).
- "<" before the list indicates that a further level up is readable.
- Icons to the left of track/folder text indicate the type of file/folder. Refer to the list for an explanation of these icons.

To navigate the USB device contents, use the up/down arrow keys to scroll through lists, and the left/right keys to move up or down within the folder hierarchy. Once your desired track, playlist or folder is highlighted, press the OK button to select playback.

Note: *If you wish to jump to the top level of the USB device contents, press and hold the left arrow key.*

Audio control

Press the left and right arrow keys to skip backwards and forwards through tracks.

Press and hold the left/right arrow keys to enable fast rewind/fast forward through track content.

Press the up/down arrow key or the OK button to browse the device contents.

Press the MENU key to enter the USB menu. It is possible to enable shuffle and repeat functions here with respect to folders and playlists.

Press the SCAN button to scan the whole device, current folder or a playlist if it is in operation.

Press the **INFO** button to display the following:

- filename
- title
- artist
- album
- track number and playing time.

Repeated button presses will scroll through these displays.

SD Navigation units

Operation

Select the USB device as the audio source by pressing the **CD/AUX** button until the USB button appears to the left of the display. Select USB from the available device list.

Note: *Some devices may be shown but not selectable, depending if the device is connected or not.*

After first connecting the USB device, the first track within the first folder will start to play automatically. Subsequently, following audio source switching, the position of playback on the USB device is remembered.

To browse the device contents, press the scroll up or down arrow button.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the folder view.
- ">" after an entry indicates a further level down is readable (for example a folder named after an album, with individual album tracks within that folder).
- "<" to the left hand side of the display indicates that a further level up is readable.
- Icons to the left of track/folder text indicate the type of file/folder. Refer to the list for an explanation of these icons.

To navigate the USB device contents, use the scroll buttons to browse through lists. Push the button to expand the contents within the highlighted playlist or folder, or to commence playback of a particular track. Press the left arrow key to go up one level.

Audio control

Press the **SEEK** up and down keys to skip backwards and forwards through tracks.

Press and hold the **SEEK** keys to enable fast rewind/fast forward through track content.

Press the scroll bar arrow keys to browse the device contents.

Press SHUFFLE or REPEAT buttons to enable shuffle and repeat functions with respect to folders and playlists.

Press the SCAN button to scan the current playlist if it is in operation, or the complete USB device or folder.

Press the **INFO** button to display the following:

- filename
- title
- artist
- album
- track number and playing time.

USING AN IPOD

Various icons are used to identify types of audio file, folders etc.


iPod is the active source


iPod playlist


iPod artist


iPod album


iPod genre


iPod song


iPod generic category


iPod generic media file

Radio

Operation

Connect the iPod. See **Connecting an external device** (page 237).

Select the iPod as the audio source by repeatedly pressing the **CD/AUX** button until iPod appears in the display.

The iPod menu list for browsing contents will be available through the radio display. Navigation of the contents follows the same principles as for iPod standalone use (for example search by artist, title, etc.). To browse the iPod contents, press the up/down arrow key or the OK button once.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the list view.
- ">" after an entry indicates a further level down is readable (for example all albums by a particular artist).
- "<" before the list indicates that a further level up is readable.
- An icon on the left side indicates the type of the currently displayed list (for example list of albums). Refer to the list for an explanation of these icons.

To navigate the iPod contents, use the up/down arrow keys to scroll through lists, and the left/right keys to move up or down within the hierarchy. Once your desired track, playlist, album, artist or genre is highlighted, press the OK button to select playback.

Note: *If you wish to jump to the top level of the iPod contents, press and hold the left arrow key.*

Audio control

Press the left and right arrow keys to skip backwards and forwards through tracks.

Press and hold the left/right arrow keys to enable fast rewind/fast forward through track content.

Press the up/down arrow key or the OK button to browse the iPod contents.

Press the **MENU** key to enter the iPod menu. It is possible to enable shuffle and repeat functions here. It is also possible to enable the iPod "Shuffle songs" option directly from the top level.

Press the **SCAN** button to scan the currently selected tracks.

Press the **INFO** button to display the following:

- title
- artist
- track number and playing time.

Repeated button presses will scroll through these displays.

SD Navigation units

Operation

Connect the iPod. See **Connecting an external device** (page 237).

Select the iPod as the audio source by pressing the **CD/AUX** button until the iPod button appears to the left of the display. Select iPod from the available device list.

Note: *Some devices may be shown but not selectable, depending if the device is connected or not.*

The iPod menu list for browsing contents will be available through the display. Navigation of the contents follows the same principles as for iPod standalone use (for example search by artist, title, etc.). To browse the iPod contents, press the scroll up or down arrow button.

The display will show the track information, together with other important information described below:

- A vertical scroll bar on the right side of the display shows the current position of the list view.
- ">" after an entry indicates a further level down is readable (for example all albums by a particular artist).
- "<" before the list indicates that a further level up is readable.
- An icon on the left side indicates the type of the currently displayed list (for example list of albums). Refer to the list for an explanation of these icons.

To navigate the iPod contents, use the scroll buttons to browse through lists. Push the button to expand the contents within the highlighted playlist, album, artist, genre or to commence playback of a particular track. Press the left arrow key to go up one level.

Audio control

Press the **SEEK** up and down keys to skip backwards and forwards through tracks.

Press and hold the **SEEK** keys to enable fast rewind/fast forward through track content.

Press the scroll bar arrow keys to browse the iPod contents.

Press the MENU key to enter the iPod menu. It is possible to enable shuffle and repeat functions here. It is also possible to enable the iPod "Shuffle songs" option directly from the top level.

Press the SCAN button to scan the currently selected tracks.

Press the **INFO** button to display the following:

- title
- artist
- track number and playing time.

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

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TYPE APPROVALS

iPod is a trademark of Apple Inc.

TYPE APPROVALS





SD Logo is a trademark.

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.

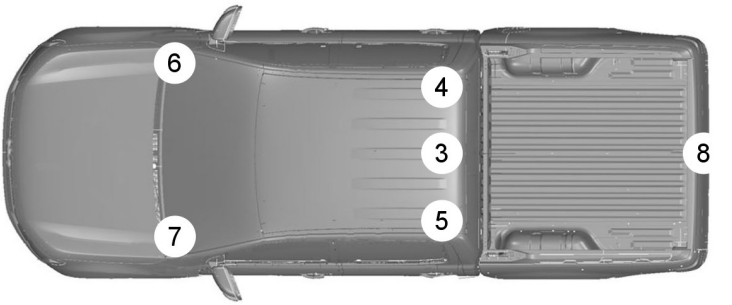
The RF (radio frequency) transmitter equipment (e.g. cellular telephones, amateur radio transmitters etc.) may only be fitted to your vehicle if they comply with the parameters shown in the table below. There are no special provisions or conditions for installations or use.

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.

WARNINGS

Keep antenna and power cables at least 10 centimetres (4 inches) from any electronic modules and airbags.



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 windscreen.

Note: *Position 6 & 7 are patch antennas, 8 is the towbar.*

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.

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