

FORD FG X FALCON SEDAN  
Owner's Manual



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# Introduction

## ABOUT THIS MANUAL

Congratulations on choosing your new Ford. We have crafted your vehicle to ensure a rewarding ownership experience.

Please take the time to become well acquainted with your vehicle by reading this owner manual, as well as the Customer Assistance, Warranty and Service Guide and SYNC® manual as part of your kit. The more you know and understand about your vehicle, the greater the safety, economy, and pleasure you will derive from driving it.

This manual will familiarise you with the operation of your vehicle and provides hints on everyday driving, emergencies and general care.

The Customer Assistance, Warranty and Service Guide contains important customer information, including:

- Customer Assistance and Service information.
- Ford dealer locations.
- myFord Roadside Assistance Plan information.
- The Ford Warranty statement and explanation.

The SYNC® manual will familiarise you with the operation of climate control, satellite navigation, Bluetooth® and infotainment.

Regular servicing of your vehicle by your authorised Ford dealer helps maintain both its roadworthiness and its resale value. A network of authorised Ford dealers is available to provide professional servicing expertise to help you. Their especially trained technicians are best qualified to service your

vehicle properly and expertly. They are also supported by a wide range of highly specialised tools and equipment specially developed for servicing Ford vehicles. Your authorised Ford dealer is the guaranteed source of Ford genuine parts and accessories.

## Protecting the Environment

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

## 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.

**Note:** The word '**Note:**' in bold type is used to draw your attention to special points of interest. These may include special notes to help you operate your vehicle or to help you care for the condition of your vehicle.

# Introduction

## BEFORE DRIVING

### WARNING

 Only Falcons factory built with EcoLPi are designed and tested by Ford Motor Company to run on LPG. Petrol Falcons are not compatible with LPG system fitment. LPG system fitment on petrol Falcons may compromise safe vehicle operation, reduce the life of certain engine components and result in non-compliance with emission regulations. Ford does not warrant or take responsibility for any defect caused by or attributed to fitment of LPG systems to a petrol vehicle.

Before driving your new vehicle, a number of preliminary checks should be performed.

### Before Entering the Vehicle

1. Check under the vehicle for any sign of leaks.
2. Make sure that all windows, outside rearview mirrors and outside lights are clean.
3. Check that tyres are fully inflated.
4. Make sure the area to the rear is clear if you intend to reverse.

### Before Driving Off

1. Make sure you are familiar with your vehicle and its operating controls.
2. Position the seat so that all controls are easily reached.
3. Adjust the inside and outside rearview mirrors.
4. Make sure that all lights work.

5. Fasten seatbelts.
6. Check the operation of instrument cluster warning lights when the ignition switch is turned to the 'ON' position.
7. Check all gauges.
8. Release the parking brake fully and make sure the park brake warning light goes out.
9. Operate your vehicle safely and ensure it is maintained in a proper and safe condition; your authorised Ford dealer is available to advise and assist you in the proper maintenance of your vehicle.

### FUEL PRIMING (EcoLPi only)

When you open your vehicle, the electronic engine control system will be 'woken up'. At this point a clicking noise may be heard from the vehicle.

When the driver's door is opened or closed, the fuel system is made ready for an engine start. This may require a fuel system 'Prime' to deliver liquid fuel to the engine. You may at this point hear a click and the fuel pump running.

**Note:** Under some conditions the pump may run for eight seconds when the driver's door is opened or closed. On other occasions it may not need to run at all.

When the ignition key is turned all the way to the 'START (III)' position and released ('One Touch Start' mode), the fuel system begins an additional prime but the engine will not begin to crank until all priming is complete.

# Introduction

**Note:** The time taken to prime the EcoLPi fuel system may be longer than a petrol engine.

When the prime is complete, the starter motor is then automatically engaged and the engine will begin to crank and start.

An instrument cluster pop-up message, 'FUEL PRIME IN PROGRESS PLEASE WAIT' is displayed if the fuel system priming takes longer than 1.5 seconds. While this message is displayed, the engine will not crank.

**Note:** If during fuel system priming the ignition key is turned to the 'OFF(0)' position, the priming procedure is aborted and the fuel pump stops.

**Note:** If the ignition key is rotated to the 'ON (I)' position, and NOT to the 'START (III)' position, the fuel priming occurs as above, but engine cranking will not take place when priming is complete. An instrument cluster pop-up message 'READY TO START' is displayed instead.

## RUNNING IN

By following a few simple precautions for the first 1,500 km, you may add to the performance, economy and life of your vehicle:

1. Do not race the engine.
2. Do not allow the engine to idle for excessive periods of time.
3. Drive at varying speeds without straining the engine.
4. Avoid hard stops, except in emergencies.
5. Avoid full throttle starts.

6. Do not tow a trailer weighing in excess of 500 kg for the first 1,500 km and follow the instructions provided in the towing section of this manual after this initial period. From 1,500 km onwards, you can gradually increase the performance demand of your vehicle up to the permitted maximum speeds.

### WARNING



Always observe the local speed limit and drive safely, adjusting your driving to suit the road and weather conditions.



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

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.

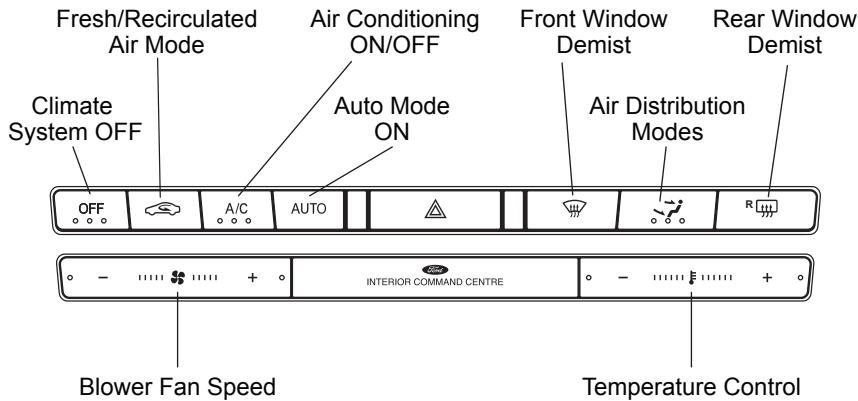
# Quick Start

This Quick start provides a brief introduction to some of the advanced features of the Falcon 'FG X' range.

**Note:** This section is a guide only. Please refer to the appropriate section of this manual (and to the pages of the Customer Assistance, Warranty and Service Guide) for full details, notes and safety warnings regarding the safe operation and maintenance of your vehicle. If still in doubt, please refer to your local authorised Ford dealer. Ford strongly recommends that you familiarise yourself with your vehicle before driving.

## CLIMATE CONTROL

Your Falcon sedan is equipped with an Automatic Climate Control (ACC) system.



It is recommended that the system is left in 'AUTO' mode at all times for optimum driver and passenger comfort.

The 20-24°C temperature range is the recommended temperature setting for most users. The temperature may be adjusted up or down if required.

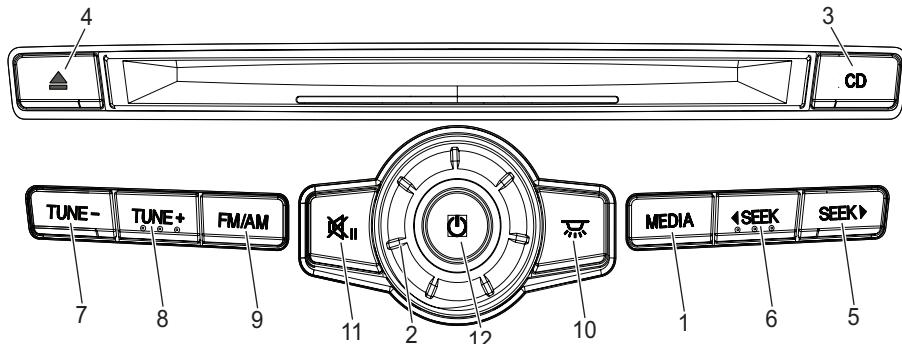
The 'ACC' system may be overridden at any time to address a specific condition; for example, pressing the 'Demist' button to clear a fogged windscreens.

Refer to the 'Climate Control' section of this manual and the SYNC® manual for further details.

# Quick Start

## AUDIO SYSTEM

The Falcon 'FG X' audio system controls are briefly described below.



1	Media	Skips through available audio modes.
2	Volume	Multifunction wheel adjusts audio volume.
3	CD	Selects CD player.
4	Eject	Ejects CD.
5	Seek Forward	Searches forwards for the next radio station.
6	Seek Back	Searches backwards for the next radio station.
7	Tune -	Manually tunes radio frequency down.
8	Tune +	Manually tunes radio frequency up.
9	FM/AM	Selects either AM or FM bands.
10	Dome Lamp	Turns interior light on/off.
11	Mute	Mutes the audio.
12	On/Off	Switches audio system on or off.

Refer to the SYNC® manual for details on how to use the audio system.

**Note:** Your SYNC® system performs regular system maintenance in the background while you are not using the car.

# Quick Start

## CRUISE CONTROL

### WARNING

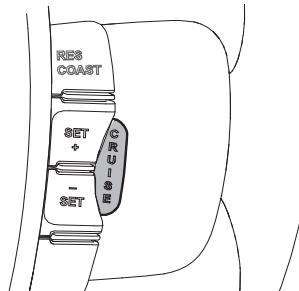
 To avoid the possibility of loss of control, the cruise control should not be used in heavy traffic (city driving) or on winding, slippery or unsealed roads.

The cruise control system attempts to maintain the vehicle speed set by the driver. The system has a set speed display in the Multifunction Display (MFD). When the cruise control is set, it shows the speed the cruise control is trying to achieve. When in coast, it shows the previously set speed.



The cruise control system has been designed to allow easy setting to speed 'zones'. For convenience, there is an indexing capability which adjusts the set speed to the next speed zone up or down as directed by the driver; for example, 60 km/h, 70 km/h, 80 km/h and so on. To Enable Cruise Control

Place your fingers underneath the 'CRUISE' button and press towards you to enable the cruise control system.



 The MFD indicates  when the cruise control is enabled and ready to be set.

The 'CRUISE CONTROL UNAVAILABLE' pop-up may display if the cruise control is not ready, or there is a fault in the system.

### To Set a Speed

With the cruise control enabled, press either of the 'SET' switches located on the steering wheel to set and store the current vehicle speed.

The 'CRUISE SET' indicator (Green) illuminates, a pop-up is displayed in the main screen for two seconds and the set speed is displayed.

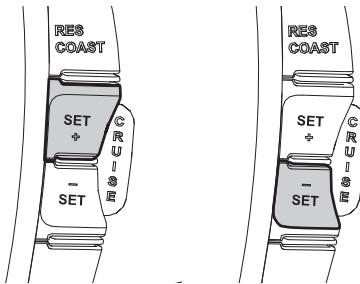
# Quick Start

## Speed Adjustment

The cruise control system provides two methods for adjusting the set speed. These are 'Coarse' and 'Fine' adjustment.

### Fine Adjustment

Fine adjustment is possible by tapping either SET+ or SET-. This adjusts the set speed up or down by an increment of 1 km/h.



### Coarse Adjustment ('Indexing')

A coarse adjustment is possible by 'indexing'. To index press and hold either SET+ or SET-.

Release when the set display rounds up or down to the next 10 km/h increment. If a further index is required, the process is repeated.

## Coarse Adjustment ('Indexing'):

### Example 1

Current vehicle speed **74 km/h**

Desired cruise speed **100 km/h**

- Index UP. **74 km/h** indexes to **80 km/h**
- Index UP. **80 km/h** indexes to **90 km/h**
- Index UP. **90 km/h** indexes to **100 km/h**

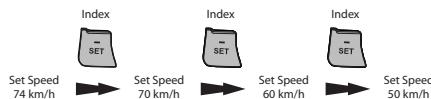


### Example 2

Current vehicle speed **74 km/h**

Desired cruise speed **50 km/h**

- Index DOWN. **74 km/h** indexes to **70 km/h**
- Index DOWN. **70 km/h** indexes to **60 km/h**
- Index DOWN. **60 km/h** indexes to **50 km/h**



# Quick Start

## Alternative Coarse Adjustment

An alternate coarse adjustment is also possible by holding either SET+ or SET-. The vehicle accelerates/decelerates at a constant rate.

When accelerating, the set speed indexes up when the vehicle speed becomes 10 km/h greater than the set speed.

When decelerating, the set speed indexes down when the vehicle speed becomes 10 km/h less than the set speed. Release at the desired set speed.

## Pedal Override

The cruise control may be overridden by use of the accelerator pedal for overtaking and so on. When the pedal is released, the vehicle returns to the set speed shown.

If the driver accelerates the car to a higher road speed than the set speed shown on the cluster and presses either the SET+ or SET- buttons, the cruise control automatically sets to the new road speed.

This is also the case if the vehicle picks up speed going down a hill and the driver presses SET+ .

## To Coast

The cruise control can be temporarily disengaged by momentarily pressing the 'RES COAST' button. The 'CRUISE SET' indicator (Green) goes off and the set speed display has a strike-through.



## The cruise control system will also be temporarily disengaged by:

- Pressing either the brake or clutch pedal.
- Manually selecting a gear lower than second gear.
- Manually selecting neutral transmission position.

## To Resume

To resume cruise control, momentarily press the 'RES COAST' button.

The vehicle adjusts its speed to match the last set speed displayed on the instrument cluster. The resume feature will not work if the vehicle speed is below approximately 40 km/h.

**Note:** *The speed of the vehicle cannot be automatically controlled until the vehicle speed is above approximately 40 km/h.*

**Note:** *The cruise control system is disengaged if the vehicle experiences a Dynamic Stability Control (DSC) intervention.*

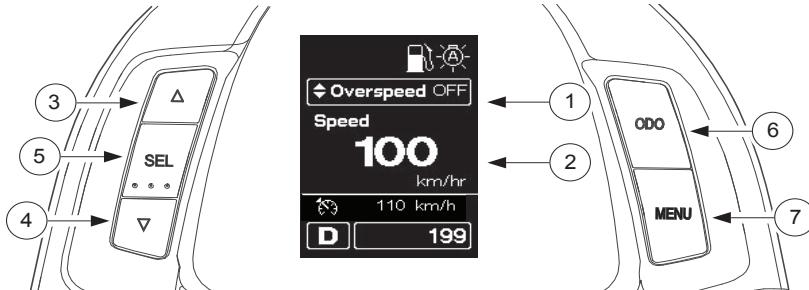
**Note:** *The cruise control system may not be able to maintain the set speed in certain circumstances (for example, driving up steep hills). If the vehicle speed drops below the set speed by 13-23 km/h, the cruise control system may automatically disengage. You need to manually control the vehicle speed during this time and may resume afterwards.*

Full details on how to use the cruise control are found in the 'Cruise Control' section of this manual.

# Quick Start

## MULTIFUNCTION DISPLAY

The Multifunction Display (MFD) is located between the speedometer and tachometer. It provides real time vehicle information. The display can be configured to suit driver preferences.



1	Sub-Menu Display	The sub-menu display contains vehicle information that can be accessed using the scroll up (3) and down (4) buttons located to the left of the cluster. This information can be displayed in the Main display (2) by pressing the 'SEL' (5) button.
2	Main Display	The Main display shows the same information as the sub-menu, but generally with more detail.
3	Scroll Sub-Menu Up	Allows you to scroll up.
4	Scroll Sub-Menu Down	Allows you to scroll down.
5	Select	Enables your adjustment or resetting of a feature.
6	ODO	Press 'ODO' (6) to select trip odometer A/B or 'ODO'. Press and hold 'ODO' whilst trip A/B is selected to reset.
7	MENU	The MENU (7) button located to the right of the cluster contains cluster personalisation settings (for example, 'Set Dimming').

Refer to the 'Instrumentation' section of this manual for further details on how to use the MFD.

### Restoring Default Settings

To restore the cluster default settings, press MENU (7) and navigate to 'Reset All' using scroll up (3) and down (4). Press 'SEL' (5) to restore all the cluster screen settings to the factory default.

# Quick Start

## Using the Menu Screens

- Press the 'MENU' (7) button to bring up a list of customisable display features.
- Use the scroll up (3) and down (4) arrows to locate the required feature.
- Press the 'SEL' (5) button to enable adjustment or resetting of that feature.

### Set Dimming

Adjusts the intensity of the dial and display illumination. There are separate settings for daytime and nighttime illumination.

### Set Overspeed

Press the 'MENU' button, select 'SETTINGS' and 'SET OVERSPEED'. Then press (or press and hold) up (3) and down (4) arrows to select the desired speed. Pressing 'SEL' (5) turns Overspeed on and off.

### Reset All

Pressing 'SEL' (5) puts all screen settings to the factory default.

### Set Dis to Dest

Press up (3) or down (4) arrows to select the desired distance. The distance displayed will then decrease as you travel. Press and hold 'SEL' (5) to reset distance to zero.

### Reset All Trip

Press up (3) or down (4) arrows to move through trip functions. Press 'SEL' (5) to reset the selected function.

### Warnings

Displays a list of current warnings. Press

up (3) or down (4) arrows to select desired warning.

## Settings

Press up (3) or down (4) arrows to move through settings. Press 'SEL' (5) on the currently highlighted setting to adjust or turn on or off.

### Sub-Content

Press up (3) or down (4) arrows to move through sub content list.

Press 'SEL' (5) on the currently highlighted item to enable or disable the item in the sub-menu.

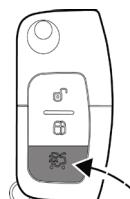
Full details on how to use the MFD are found in the 'Instrumentation' section of this manual.

## UNLOCKING/OPENING BOOT

To open the boot, press the boot opening button which is located below the Ford badge on the boot lid.



The boot opening button is only enabled when the doors and/or the boot are unlocked.



To unlock the boot, use either the boot or door unlock buttons on the keypad. The boot can then be opened using the boot unlock button on the boot decklid.

# Quick Start

## FUEL FILLER FLAP RELEASE

To access the fuel filler, push the right-hand side of the fuel filler flap once. The flap pops open slightly to allow the flap to be opened.

### CAUTION

 A security feature will not allow the fuel flap to open fully if the car is locked. If you find difficulty opening or closing the fuel flap, unlock the vehicle. Applying undue force may damage the fuel flap.

## iPOD INTEGRATION

**Note:** iPod is a trademark of Apple Inc., registered in the US and other countries.

Please use your compatible iPod USB cable to connect to the USB socket, located in the centre console bin. Compatible iPod models are listed on the Ford website - [www.ford.com.au](http://www.ford.com.au).

Press 'MEDIA' (1) to select iPod mode. The last known playing song will begin to play. All iPod operations can be performed via the Interior Command Centre (ICC) or SYNC.

### CAUTIONS

 The iPod has not been designed to withstand extreme temperature changes inside the vehicle. Leaving the iPod in the vehicle could result in damage or battery depletion due to extreme high temperature or humidity.

 If the iPod's internal batteries have deteriorated, recharging and playback may not be possible even when connected to the audio system.

Change the iPod internal batteries as soon as possible.

 Turn the audio power off before connecting or disconnecting the iPod. Depending on the audio, there may be noise produced when the iPod is connected.

All iPod operations can be performed via the ICC or SYNC®. For more information on use of the iPod, refer to the instruction manual accompanying the iPod and your SYNC® manual.

## TOUCH SCREEN USE

Your vehicle's centerstack is equipped with touch sensitive switches for your infotainment and climate control systems. To activate or deactivate a feature, you need only touch the graphic with your finger.

### For optimum performance of these touch sensitive controls, please note the following:

The touch sensors are sensitive to light touch. You do not need to apply forceful pressure on these controls to use them. Use your bare finger to touch the centre of a touch control graphic. Touching off-centre of the graphic may cause nearby control to activate/deactivate. Ensure that your hands are clean, dry and free of moisture.

Since the touch control sensor operates based on the touch of a finger, you may have trouble using them if you are wearing gloves.

Metal and other conductive material should be kept away from the surface of the touch controls as this may cause electronic interference (that is, control activation).

# Quick Start

**Note:** Use a clean soft cloth to clean the screen.

Refer to the SYNC® manual for further details on how to use the touch screen.

## BLUETOOTH® INTEGRATION

### Pairing a New Phone

To use any of the phone features for SYNC® such as making a call, receiving a text message or using the SYNC® services, you must first 'pair' your Bluetooth® enabled phone. Pairing is what allows Bluetooth® devices to communicate securely with each other.

**Note:** SYNC® can make and receive calls using only one paired phone at a time. We recommend pairing your device whilst the vehicle is stationary.

To pair your phone to the SYNC® system:

1. Turn on your vehicle.
2. Turn on your phone and ensure Bluetooth® is 'On'.
3. From the SYNC® home screen, select 'Pair Phone' if this is the first phone to be paired. Otherwise select 'Connect Phone' and then 'Add Device'.
4. On your phone, scan for Bluetooth® devices and select 'SYNC'.
5. A six-digit number appears on SYNC®.
6. If the number matches that shown on your phone, click 'Yes' on the SYNC® touch screen. If not, commence the process again.
7. On your phone, accept the PIN.
8. Upon successful pairing, SYNC® displays a message confirming that

the phone is connected. Choose your settings and select 'Apply'.

9. For supporting devices, SYNC® will request access to your phone messages. Select 'Yes' on your phone to allow SYNC® to display your messages.
10. For supporting devices, SYNC® will request access to your phone book. Select 'Yes' on your phone to enable caller ID/phonebook dialling.

**Note:** For phones supporting Bluetooth® V2 standard or older, follow the same procedure as above. However at Step 5, instead of matching the displayed PIN, enter the displayed PIN into your device.

After pairing your phone, SYNC® automatically attempts to reconnect to your phone every time you start SYNC®. Refer to the SYNC® manual for further details on how to use Bluetooth® integration and phone options.

### WARNING

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

## Quick Start

The following table gives some hints on using the 'Phone' button on your steering wheel to manage incoming and outgoing calls.

<b>How to...</b>	<b>When ....</b>	<b>Action to perform</b>
Accept a call	Receiving an incoming call	Short press of the 'Phone' button on your steering wheel.
Reject a call	Receiving an incoming call	Press and hold the 'Phone' button.
End a call	Currently in a call	Press and hold the 'Phone' button.
Redial the last number	Not currently in a call	Short press of the 'Phone' button on your steering wheel.
Use Voice Control to dial	Not currently in a call	Short press of 'Voice' button.
Mute/Unmute microphone	Currently in a call	Go to 'Phone' screen and press 'Mute Call', or issue 'Mute Call' command via Voice Control.
Accept a second call	Currently in a call	Short press of the 'Phone' button.
Swap between two calls	Two calls have been accepted	Short press of the 'Phone' button.
Manually reconnect	Phone is disconnected and you wish to reconnect to the system	Press 'Connect a Phone' button on 'Home' screen and select the phone from the list, or issue the 'Phone' command via Voice Control.
Transfer to handset	Currently in a call	Go to 'Phone' screen and press 'Handsfree Off', or issue 'Handsfree Off' command via Voice Control.
Search for paired phones to connect to	Entering your car and wishing to reconnect to your phone	Turn the ignition key to 'Accessory' or 'ON' position.

**Note:** For more details on how to use the phone settings on your steering wheel, refer to the 'Steering Wheel' section of this document and the SYNC® manual.

# Child Safety

## CHILD RESTRAINTS

### WARNING

 Children must always be properly restrained.

 This section provides useful information on the installation and safe use of child restraints. Ford strongly recommends that you read and understand this section before carrying children in your vehicle.

It is the driver's responsibility to ensure that the children are seated in suitable child restraints prescribed by the laws of the State or Territory in which the vehicle is operated.

If you are in any doubt about the laws that apply in your location, please consult your local Authorised Ford Dealer or Local Approved Child Restraint Fitting Station for assistance.

### WARNING

 **EXTREME HAZARD!** Do not use a rearward facing child restraint on a seat protected by an airbag in front of it.



E211048

### WARNING

 Seatbelts and seats can become hot in a vehicle that has been closed up in sunny weather, they could burn a small child. Check seat covers and buckles before you place a child anywhere near them.

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

 Do not alter or modify child restraints in any way.

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

 Do not leave children unattended in your vehicle.

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

 Destroy the child restraint if it has been in a severe crash, even if no damage is visible.

# Child Safety

## Selecting a Child Restraint System

To provide protection, a child restraint system should meet three requirements.

- 1. The child restraint system complies with Australian Standard AS1754.** Infants and children must be properly restrained at all times in an approved child restraint which conforms to Australian Standards AS1754 - 2004 or later. Look for the Australian Standard Approval Mark on the child restraint.
- 2. The child restraint must be suitable for the size and weight of the child and must be properly fitted and adjusted.** Use the child restraint exactly as shown in the instructions provided with the child restraint. If you have any doubts, contact the child restraint manufacturer or consult an approved Restraint Fitting Station.
- 3. The child restraint system should fit the vehicle seating position (or positions) where it will be used.** Due to variations in the design of child restraint systems, vehicle seats and seatbelts, all child restraint systems may not fit all seating positions. Before purchasing a child restraint system, it is recommended that the child restraint system is tested in the specific vehicle seating position (or positions) where it is intended to be used. If a previously purchased child restraint does not fit, you may need to purchase a different one that will fit.

## INSTALLING A CHILD RESTRAINT

### WARNINGS



**EXTREME HAZARD!** Do not use a rearward facing child restraint on a seat protected by an airbag in front of it.



Incorrectly fitted child restraints may swing, tip or come away causing death or injury.



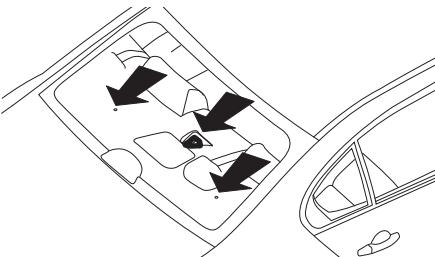
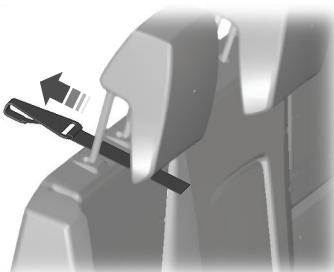
Do not use a child restraint if the tether strap falls into a split in the vehicle seat back or falls off the edge of the vehicle seat.

After installing a child restraint system, push and pull the system forward and back and from side to side to verify that it is secured.

Be sure to read and follow the instructions provided by the child restraint manufacturer. If you have any doubts contact the child restraint manufacturer or consult an approved Restraint Fitting Station. Your automobile club or local vehicle registration authority can provide location details of fitting stations.

When installing the child restraint attaching clip to the anchor fitting, raise the head restraint (where fitted) and pass the tether strap between the head restraint supports. This will prevent the tether strap from falling off the outboard edge of the seating positions.

## Child Safety



**Note:** Side curtain air bags will not interfere with a properly installed child restraint system or booster seat, because they are designed to inflate downward from the headliner above the doors along the side window openings.

When a child restraint system is not being used, either remove it and store it in a safe place, or make sure it is properly secured. An unsecured child restraint system can be thrown around the vehicle in a collision or sudden stop and injure someone.

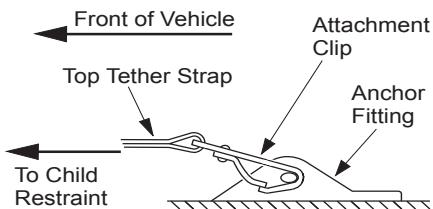
### Child Restraint Anchorage Fitting Locations

#### WARNING

 Child restraint anchorages are designed to withstand only those loads imposed by correctly fitting child restraints. Under no circumstances are they to be used for adult seatbelts, harnesses or for attaching other items or equipment to the vehicle.

Anchorage points for the installation of child restraint anchor fittings are provided in the locations shown in the illustration.

One anchor fitting is installed in the centre position of second-row seats in your vehicle. Install the attaching clip of child restraint as shown below.



#### WARNING

 Always ensure that the attaching clip is properly engaged with the anchor fitting and the tether strap length is adjusted to remove any slack.

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

 Incorrectly fitted child restraints may swing, tip or come away causing death or injury.

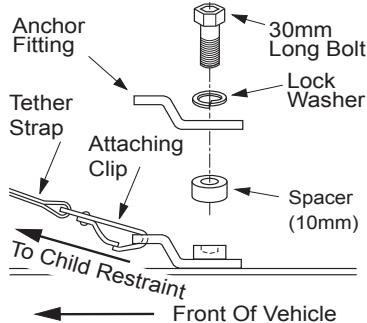
# Child Safety

**!** Always ensure that the locking mechanism of the rear seat-back is fully engaged when in the upright position, by attempting to pull it down again. An unlatched seat may become dangerous in the event of a sudden stop or collision.

**!** Make sure the top tether strap tightening mechanism remains accessible when the seatback is fully engaged. Also ensure it is not slack or twisted and is properly located on the anchor point.

## Additional Anchor Fitting Installation

One anchor fitting is installed in the centre position in your vehicle. The illustration below shows how to install additional anchor fittings to the other anchorage points.



To gain access to the additional anchorage points, it is necessary to remove the small plug from the anchorage to install the appropriate bolt, lock washer, anchor fitting and spacer (where required). The anchorage components must be selected and assembled as shown in the preceding illustration.

Install the standard 30 mm bolt and the recommended spacer (total thickness 10 mm), together with the anchor fitting (and cover if applicable) and lock washer supplied with the child restraint as illustrated.

The bolt thread should protrude at least 10 mm beyond the spacer with the lock washer, anchor fitting and spacer assembled together. Tighten the bolt with the anchor fitting facing toward the front of the vehicle as shown.

### WARNING

**!** Do not over-tighten the attachment bolt. Maximum torque: **20Nm**

**!** Incorrectly fitted child restraints may swing, tip or come away, causing death or injury.

**!** Always ensure that the attaching clip is properly engaged with the anchor fitting and the tether strap length is adjusted to remove any slack.

Illustrations of the restraint attachment clip and anchor fitting are only applicable to child restraint attachment clips conforming to AS1754-2004 or later. These can be purchased from your Ford dealer, child restraint manufacturers or suppliers.

If your child restraint does not have an approved latched hook attachment clip as shown, you should consult an approved restraint fitting station.

# Child Safety

## PROTECTING LARGER CHILDREN

The rear seats are the safest place for children. When a child outgrows the recommended weight or height limits for a forward facing child restraint system, the child should sit on a booster seat and wear a lap-sash seatbelt. The raised seating position will allow you to position the shoulder strap of the adult seatbelt over the centre of your child's shoulder and the lap strap tightly across its hips. A booster seat should be used until the child is tall enough for the lap-sash seatbelt to fit properly.

### Typical Booster Seat



E70710

#### WARNING

- Do not install a booster seat with only the lap strap of the seatbelt.
- Do not install a booster seat with a seatbelt that is slack or twisted.

### Checking Seatbelt Fit

If the lap-sash seatbelt touches or crosses the child's neck, then the child needs a booster seat.

#### WARNING

- Never wear a seatbelt across the neck. This could result in serious neck injury in the event of a collision.
- Do not put the seatbelt 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.

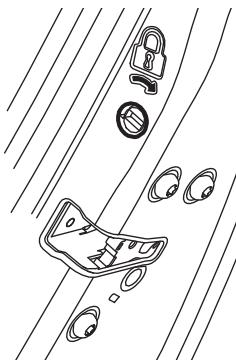
## CHILD SAFETY LOCKS

The rear doors contain childproof safety locks. When activated, the rear doors can only be opened using the exterior handles.

To activate, open each rear door, place a screwdriver in the slot and turn clockwise. The locks can be deactivated by turning the slot back in an anti-clockwise direction.

#### WARNING

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



# Seatbelts

## PRINCIPLE OF OPERATION

### WARNINGS

 The wearing of a seatbelt is a mandatory requirement. Seatbelts should be properly fastened and adjusted before the vehicle is driven. Adjust the driver's seat position before fastening the seatbelt.

 Seatbelts are designed to bear upon the bony structure of the body and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

 Wear a seatbelt and keep sufficient distance between yourself and the steering wheel. Only when you use the seatbelt properly, can it hold you in position to achieve its optimum effect.

 Never use a seatbelt for more than one person; it is dangerous to put a belt around a child being carried on the occupant's lap.

 Use the correct buckle for each seatbelt.

 Do not use a seatbelt that is slack or twisted.

 Do not wear thick clothing. The seatbelt must fit tightly around your body to achieve its optimum effect.

 Position the shoulder strap of the seatbelt over the centre of your shoulder and position the lap strap tightly across your hips.dealer or recognised repairer after an accident has occurred. It may be necessary to replace the belt.

### WARNINGS

 Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if the webbing becomes frayed, contaminated or damaged.

 No modifications or additions should be made by the user which will either prevent the seatbelt adjusting devices from operating to remove slack, or prevent the seatbelt assembly from being adjusted to remove slack.

 Seatbelts are designed to be used by adult sized occupants.

## Lap-Sash Belts

These belts are fitted to all seating positions. Lap-sash belts allow freedom of movement but will lock when the webbing is tugged very quickly, or with any rapid change in vehicle motion such as braking or impact, or when the vehicle attitude is a substantial angle away from normal.

## Status After a Collision

### WARNINGS

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

 If a seatbelt pretensioner has been deployed, the seatbelt must be renewed.

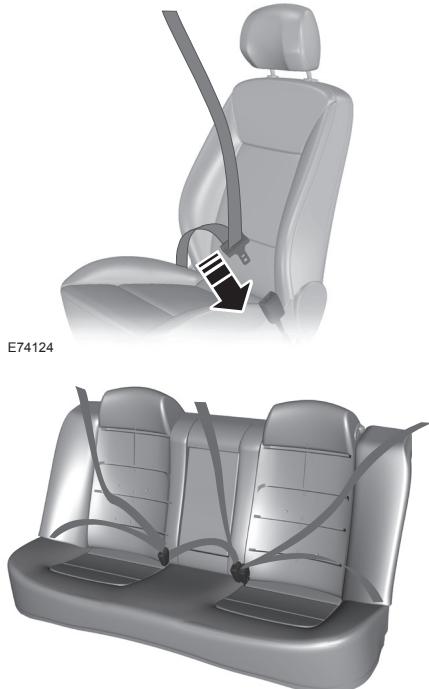
# Seatbelts

## FASTENING THE SEATBELTS

### WARNINGS

 Insert the tongue into the seatbelt buckle until you hear a distinct click. You have not fastened the seatbelt correctly if you do not hear a click.

 Make sure that the seatbelts are securely stowed away when not in use and are not outside your vehicle when closing the doors.



### To Release

Depress the release button and allow the belt to return to its fully stowed position.

### To Adjust

Fit the lap section of the belt low across the front of your pelvis and guide the sash section comfortably across your torso. The retractor mechanism automatically takes up the slack. Make sure the lap and sash sections are free from twists.

### Using seatbelts during pregnancy

It is recommended that all pregnant women travelling in a motor vehicle shall wear the lap-sash seatbelt with the seatbelt buckle over the hip and the lap section of the belt as tight as comfort will allow, and as low as possible, below the abdomen.



### WARNING

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

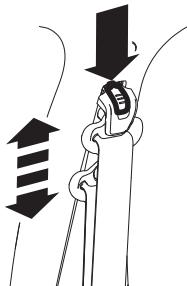
# Seatbelts

## SEATBELT HEIGHT ADJUSTMENT

### WARNING

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

To adjust the height of the strap, press the button on the height adjuster and move the belt anchorage up or down.



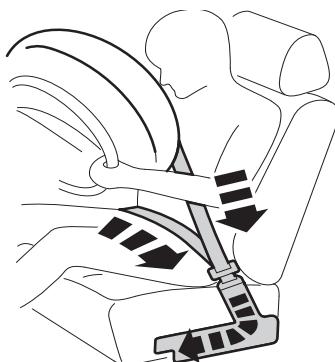
## Energy Management Feature

Your vehicle has a seatbelt system with an energy management feature at the front outboard seating positions to help further reduce the risk of injury, in the event of certain frontal or near-frontal collisions.

The seatbelt system has a retractor assembly that is designed to pay out webbing in a controlled manner. This feature is designed to help reduce the seatbelt force acting on the occupant's chest.

## Seatbelt Buckle Pretensioner

Your vehicle is equipped with seatbelt buckle pretensioners at the front outboard seating positions. The seatbelt pretensioners are designed to activate only when the seatbelts are fastened, during certain frontal or near-frontal collisions. Seatbelt pretensioners provide additional protection by tightening the webbing of the lap and shoulder belts in such a way that they fit more snugly against the body. The belt pretensioner is not triggered in the event of a minor frontal, side or rear collision.



### WARNING

 The seatbelt buckle pretensioners must only be removed or disposed of by specially trained personnel. Refer to your authorised Ford dealer if a seatbelt pretensioner requires repair or replacement.

# Seatbelts

## SEATBELT MAINTENANCE

Inspect the vehicle seatbelts periodically to make sure they work properly and are not damaged. Inspect the vehicle seatbelts to make sure there are no nicks, tears or cuts. Replace if necessary. All vehicle seatbelt assemblies, including retractors, buckles, front seatbelt buckle assemblies, buckle support assemblies (slide bar-if equipped), shoulder belt height adjusters (if equipped), shoulder belt guide on seat back (if equipped), should be inspected after a crash.

## BELTMINDER™

### WARNING



The system only provides protection when you use the seatbelt correctly.

This feature is a supplemental warning to the seatbelt warning function. This feature provides additional reminders by intermittently sounding a chime and illuminating the seatbelt warning light in the instrument cluster when the driver or front passenger seatbelt is unbuckled. A text message will be displayed on the MFD screen with five seconds time-out.

The Beltminder™ feature uses information from the front passenger sensing system to determine if a front seat passenger is present, and therefore potentially in need for a warning.

Both the driver and passenger seatbelt usages are monitored and either may activate the Beltminder™ feature. The warnings are the same for the driver and the front passenger.

When the Beltminder™ feature is activated, the seatbelt warning light

illuminates and the warning chime sounds for six seconds every sixteen seconds, repeating for approximately five minutes or until both front occupants have fastened their seatbelts.

The Beltminder™ feature uses two different warning chimes. During the first two cycles, the warning chime sounds once every second. The remaining warning chimes sounds twice every second while the system is activated.

## Seatbelts

### BeltMinder™ Conditions of Operation:

IF ...	THEN ...
Either front occupant is not buckled when the ignition is 'ON'.	The seatbelt indicator light illuminates until both occupants are buckled.
Either the driver or front outboard passenger is not buckled and the vehicle is moving more than 10 km/h after the ignition is switched on.	The Beltminder™ feature is activated - the seatbelt indicator light flashes and the warning chime sounds six times, then pauses ten seconds, repeating this cycle and exhausting after approximately five minutes or until both front occupants are buckled. The text message 'FASTEN FRONT SEATBELT' appears on the cluster for five seconds during the first cycle.
Both front occupants are buckled while the seatbelt indicator light is illuminated and the seatbelt warning chime is sounding.	The Beltminder™ feature stops activating and the seatbelt indicator light remains off, (no light, no chime).
Both front occupants are buckled before the ignition switch is turned to the 'ON' position.	The Beltminder™ feature will not activate and the seatbelt indicator light stays off.
The Beltminder™ function is permanently deactivated and either the driver or the front passenger is not buckled when the ignition is 'ON'.	The seatbelt indicator light will remain 'ON' for sixty-five seconds or until both occupants are buckled.
The vehicle speed drops below 10 km/h while the Beltminder™ is triggering.	The Beltminder™ will not stop activating until the end of the triggering cycle (approximately five minutes, or until both occupants are buckled.)

### Deactivating / Activating the Beltminder™ Feature

The Beltminder™ feature can be permanently activated / deactivated. Consult your authorised Ford dealer if this is required.

# Supplementary Restraints System

## AIRBAGS

Your vehicle is equipped with an airbag for the driver, located in the steering wheel, and a passenger airbag is located in the instrument panel above the glove compartment. The passenger airbag can be identified by the 'Airbag' label on the airbag cover.

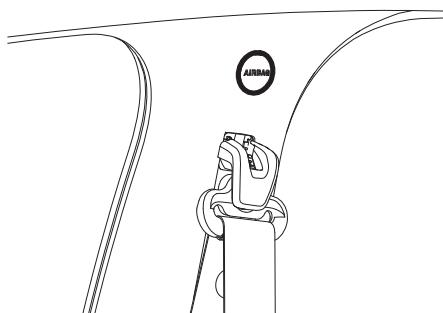


Side thorax airbags are located on the outboard side of the front seat backs.

Vehicles fitted with side thorax airbags can be identified by a label sewn into the outboard side of the front seat seam.



Vehicles fitted with side curtain airbags can be identified by an 'Airbag' label located near the top of the B-pillar trim.



The airbag system is a supplementary restraints system. It is designed to be used in conjunction with seatbelts to help protect against head and chest injuries in certain frontal collisions and where side airbags are fitted, to reduce the risk of severe injuries in certain side impact collisions.

The airbag system is not visible until it is activated. The airbag system is designed to deploy the driver and passenger front airbags in certain frontal and front-angled collisions, and to deploy the side thorax airbags and side curtain airbags of the side affected in certain lateral collisions.

Because the system senses crash severity, some collisions will not inflate the airbag(s). Frontal airbags are not designed to inflate in rollover, rear crashes, side or low-speed frontal crashes. Side thorax airbags, and side curtain airbags are not designed to inflate in rollover, rear crashes, frontal or low speed side crashes.

## WARNINGS



ALWAYS WEAR YOUR SEATBELT.  
The wearing of seatbelts is required by law, even when airbags are fitted.

# Supplementary Restraints System

 If you are too close to an inflating airbag, it could seriously injure you. Move your seat as far back as practicable to allow room for airbag inflation.

 Do not attempt to service, repair, or modify the airbag system; tampering could cause activation of the system and increase the risk of personal injury. For servicing of the airbag system, see your authorised Ford dealer.

 Where a passenger airbag is fitted, front passengers should never sit on the edge of the seat, stand near the glove compartment, rest feet or other parts of the body on the instrument panel or lean over near the glove compartment when the vehicle is moving.

 Several airbag system components get hot after inflation. Do not touch after inflation.

 If the passenger airbag cover shows signs of having been removed, the car should be towed to the nearest Ford dealer for repair. Do not attempt to reinstall the cover. If the vehicle must be driven, then on no account should there be an occupant in the front passenger seat.

 Where side thorax airbags are fitted, repairs to the seat covers of both the driver's and passenger's front seats should only be carried out by properly trained technicians. Injuries may result if the side airbag is triggered inadvertently. Your Ford dealer will have technicians who have been especially trained to service your vehicle.

 Do not use chemical solvents or strong detergents when cleaning the steering wheel, instrument panel or

front seats where side airbags are fitted, to avoid contamination of the airbag system. Wiping only with a damp cloth is recommended. Be careful not to over-wet the front seat covers.

 The airbag may only deploy with the ignition switch in the 'ON' (II) position.

## The Importance of Being Properly Seated

In a collision, the airbags must inflate extremely quickly and with considerable force.

### WARNINGS

 If you are too close to an inflating airbag, it could seriously injure you. Move your seat as far back as practicable to allow room for airbag inflation.

 Never place objects in front of you while you are seated in the front seat, as injury may result from the object when it is forced toward you by the inflating airbag.

 Do not cover the steering wheel or instrument panel with any object (for example, dash panel covers) which may prevent the airbags from inflating properly.

 Where a passenger airbag is fitted, front passengers should never sit on the edge of the seat, stand near the glove compartment, rest feet or other parts of the body on the instrument panel or lean over near the glove compartment when the vehicle is moving

# Supplementary Restraints System



**EXTREME HAZARD!** Do not use a rearward facing child restraint on a seat protected by an airbag in front of it.



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## The Importance of Wearing Seatbelts

Seatbelts must be worn by all vehicle occupants to be properly restrained and help reduce the risk of injury in a collision.

Wearing a seatbelt will achieve the following:

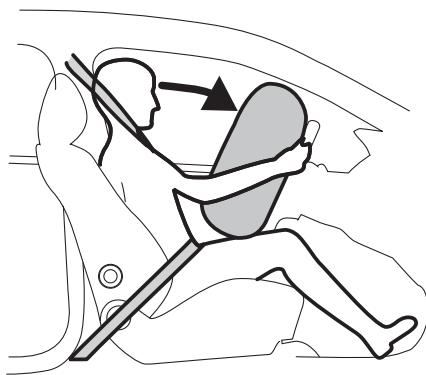
- Help keep you in the proper position when the airbags inflate.
- Reduce the risk of harm in rollover, side or rear impact collisions.
- Reduce the risk of harm in frontal collisions that are not severe enough to activate the airbags.
- Reduce the risk of being thrown from your vehicle.

## FRONTAL AIRBAG SYSTEM OPERATION

### WARNING



**ALWAYS WEAR YOUR SEATBELT.** The wearing of seatbelts is required by law, even when airbags are fitted.



## How Does the Frontal Airbag System Work?

Sensors in the vehicle detect the degree of severity of a frontal impact. The airbags are designed to deploy if the collision suits the criteria for deployment.

- The propellant causes a rapid chemical reaction in a container producing gas to fill the airbag(s).
- The inflating airbag deploys out of the steering wheel in front of the driver and deploys out of the instrument panel in front of the passenger. This takes place in a fraction of a second.

# Supplementary Restraints System

- The bags deflate as the gas escapes.

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

The system is designed to help reduce serious injuries. Contact with a deploying airbag may cause abrasions, swelling, minor burns and temporary hearing loss.

Because airbags must inflate rapidly and with considerable force, there is the risk of death or serious injuries such as fractures, facial and eye injuries or internal injuries, particular to occupants who are not properly restrained or are otherwise out of position at the time of airbag deployment. Thus, it is extremely important that occupants be properly restrained as far away from the airbag module as possible while maintaining vehicle control.

## WARNINGS

 Several airbag system components get hot after inflation. Do not touch after inflation.

 If the frontal airbags have deployed, the airbags will not function again and must be replaced immediately. The frontal airbag system must be inspected and serviced by a qualified technician in accordance with the vehicle service manual. If the frontal airbags are not replaced, the unrepairs area will increase the risk of injury in a collision.

## SIDE CURTAIN AIRBAG AND SIDE THORAX AIRBAG SYSTEM OPERATION

### WARNINGS

 Do not block, obstruct or cover the side thorax airbag because it may prevent proper deployment of the airbag and increase your risk of injury. For example, do not lean your head on the door or hang a coat or jacket over the seatback.

 Do not use accessory seat covers.

 Do not attempt to service, repair or modify the side curtain airbag and side thorax airbag system. Please refer to your Ford dealer.

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

 If the side curtain airbag has deployed, the side curtain airbag will not function again and must be replaced immediately. The side curtain airbag system (including the A, B and C-pillar trims) must be inspected and serviced by a qualified technician in accordance with the vehicle service manual. If the side curtain airbag is not replaced, the unrepairs area will increase the risk of injury in a collision.

 **ALWAYS WEAR YOUR SEATBELT.** The wearing of seatbelts is required by law, even when airbags are fitted.

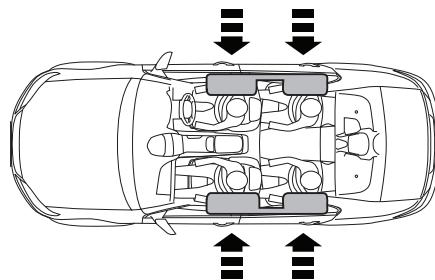
# Supplementary Restraints System

**Note:** The side curtain airbag does not interfere with children restrained using a properly installed child or booster seat. This is because it is designed to inflate downward from the headliner above the doors along the side window openings.

## How does the Side Curtain Airbag and Side Thorax Airbag System Work?

The side curtain airbag and side thorax airbag system consists of the following:

- A thorax airbag similar to the side-head and thorax airbag but with a smaller nylon bag.
- An inflatable nylon curtain (airbag) with a gas generator concealed behind the headliner and above the doors, one on each side of the vehicle.

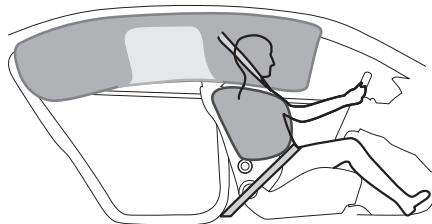


The headliner flexes to open above the side doors to allow the side curtain airbag to deploy. The same warning light, electronic control and diagnostic unit as used for the front airbags.

There are two side-crash sensors mounted in the front door cavity, one on each side of the vehicle. There are also two side-crash sensors mounted in the lower part of the C-pillar wheel housing, one on each side of the vehicle.

In certain lateral collisions, the side thorax airbag and the side curtain airbag on the side affected by the collision is inflated, irrespective of which seats are occupied.

The side thorax airbag has been designed to inflate between the door panel and occupant to further enhance the protection provided to occupants in certain side-impact collisions.



The side curtain airbag has been designed to inflate between the headlining and occupants to further enhance the protection provided in certain side-impact collisions.

Because the system senses crash severity, some collisions do not inflate the airbag(s). Side thorax airbags and side curtain airbags are designed to inflate in certain side-impact collisions, not rollover, rear-impact, frontal or near-frontal collisions, unless the collision causes sufficient lateral deceleration.

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

## WARNINGS

 Several airbag system components get hot after inflation. Do not touch after inflation.

# Supplementary Restraints System

 If the side curtain airbag and side thorax airbags have deployed, the airbags will not function again and must be replaced immediately. The side curtain airbag and side thorax airbag system must be inspected and serviced by a qualified technician in accordance with the vehicle service manual. If the side curtain airbag and side thorax airbags are not replaced, the unrepairs area increases the risk of injury in a collision.

## Restraints System Warning Light

The restraints system warning light will illuminate for approximately six seconds after the engine is started. This is normal and indicates the system, which includes the airbags and seatbelt buckle pretensioners, is performing a self check.

 If the warning light does not illuminate when the ignition is switched on, or remains illuminated after the initial self-check period, or flashes, with the text 'AIRBAG FAULT' displayed on the MFD screen, a fault may exist with the restraints system and it should be checked by an authorised Ford dealer immediately.

## Restraints System Secondary Warning

A text message 'AIRBAG LAMP FAULT' appears on the MFD screen with a five minute time-out if the warning light is inoperative and if a fault exists in the restraints system. This includes the airbags and seatbelt buckle pretensioners. If this occurs, the system should be checked by an authorised Ford dealer immediately.

## Restraints System Maintenance and Servicing

The airbag and seatbelt buckle pretensioner systems fitted to your vehicle do not require regular maintenance.

However, if any of the following occur, see your authorised Ford dealer without delay for corrective action:

- The restraints system warning light does not operate briefly when the ignition key is turned on.
- The restraints system warning light illuminates while driving.
- The airbag warning text appears on the MFD screen.

## WARNINGS

 If the restraints system is not serviced when a warning is given, the airbags and seatbelt buckle pretensioners may not function properly in the event of a collision, or may deploy unexpectedly.

 The airbags, seatbelt buckle pretensioners and energy management retractors activate only once. Once activated, THE AIRBAGS, SEATBELT BUCKLE PRETENSIONERS AND ENERGY MANAGEMENT RETRACTORS WILL NOT FUNCTION AGAIN AND MUST BE REPLACED IMMEDIATELY. The crash sensor must also be replaced. If the airbags are not replaced, the unrepairs area will increase the risk of injury in a collision.

# Supplementary Restraints System

## Ford Intelligent Safety System (ISS), Bull Bars and Other Accessories

Ford's Intelligent Safety System (ISS) uses a network of sensors to control sophisticated restraints systems, and tailors the level of protection deployed to the type and severity of the crash.

### WARNINGS

 Do not fit any bull bar to your vehicle as this may interfere with the operation of the ISS, including airbag deployment, and could result in injury to yourself and others. Fitment of a bull bar may also void the vehicle's compliance with Australian Design Rules.

 Do not modify the front of the vehicle in any way as this can adversely affect airbag deployment.

 Do not mount any accessories on the front of the vehicle within 150 mm of the centre line of the vehicle, as this may interfere with the operation of the front crash sensor.

### CAUTION

 Normal airflow to the radiator must not be affected when fog lamps, driving lamps or similar equipment is fitted to the vehicle. Serious mechanical damage will occur.

## Event Data Recording

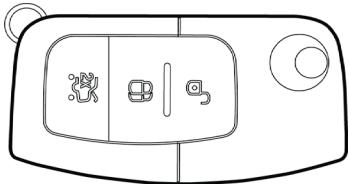
Your vehicle is fitted with an event data recorder which is capable of collecting and storing data during a crash, or near-crash event. The recorded information may assist in the investigation of such an event.

To access this information, special equipment must be directly connected to the recording modules. Ford does not access event data recorder information without obtaining consent, unless pursuant to a court order or where required by law enforcement, other government authorities or other third parties acting with lawful authority. Other parties may seek to access the information independently of Ford.

# Locks and Security

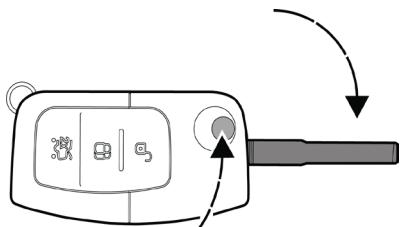
## KEYS

Your vehicle is supplied with two Smartshield ignition keys complete with integrated remote entry keypads. For all vehicles the primary key is a 'flip' key.



The keypad can be used with the flip key in either the closed or the open position.

To open or close the flip key, the release button adjacent to the key blade must be depressed.



The ignition keys can also be used to lock/unlock the glove box. In case of loss, replacement keys and keypads are available from your authorised Ford dealer. For further information, refer to 'Engine Immobilisation' later in this section.

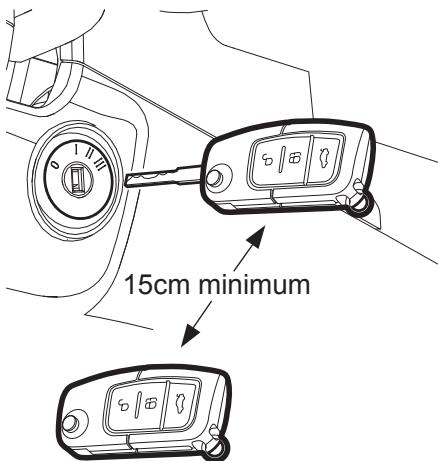
The ignition key cut identification number is recorded on a tag, which is found in your owner's pack.



The tag should be stored in a safe place (not inside the vehicle).

**Note:** Your ignition keys have individual transponders inside them which can help prevent car theft through engine immobilisation. To ensure correct operation of the key transponders, please follow these simple rules:

- Do not keep both the supplied ignition keys on the same key ring.
- Do not start the vehicle with the two ignition keys closer together than 15 cm.



- Do not put other keys with transponders on the same key ring.
- Do not cover the key with any material.
- Do not use electromagnetic keyrings.

If these rules are not followed, you may find that your engine will not start or may stop shortly after it starts. Should this happen, remove keys and ensure all the above instructions are followed, then restart the engine.

# Locks and Security

## REMOTE ENTRY KEYPAD

The remote entry keypad can be used remotely to unlock and lock all the doors and the boot.

### Single Stage/Two-Stage Unlock Feature

Each keypad can be individually programmed to work in either single or two-stage mode.

Single-stage mode opens all doors and the boot with a single press of the unlock button on the remote keypad.

The two-stage unlock mode is a feature provided for extra security. In this mode, a single press of the unlock button on the remote keypad only opens the driver door. A second press opens all other doors and the boot.

**Note:** For increased security, if you unlock the doors with the keypad, but do not open any of the doors or boot within 45 seconds, the doors and boot automatically relocks.

**Note:** Remote keypads do not work with the ignition in the 'ACC' or 'START' position.

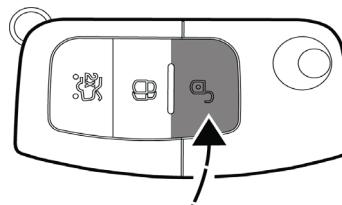
**Note:** The front and rear doors cannot be slam-locked. If the vehicle's horn sounds a series of short beeps when locking with the keypad, check that all doors are properly closed or that there is no key in the ignition.

**Note:** The hazard lights flash once when unlock is pressed. Hazard lights flash twice when locking the doors with the keypad button.

**Note:** When unlocking the door(s) with the unlock button on the keypad, the interior courtesy lights are set to illuminate for a short time.

### Unlocking Doors in Single Stage Unlock Mode

To unlock all the doors, briefly press the keypad unlock button.

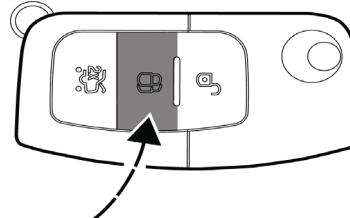


### Unlocking Doors in Two-Stage Unlock Mode

To unlock the driver door only, briefly press the keypad unlock button. To then unlock the other doors and boot, press the keypad unlock button a second time. To unlock all the doors and boot, press and hold the keypad unlock button for more than three seconds.

### Locking the Doors

To lock all doors and the boot, press the keypad lock button.



A second press of the lock button within three seconds causes the horn to beep.

# Locks and Security

as confirmation that the car is locked. The key blade can also be used in the driver's door lock to lock all doors and the boot if required.

## Programming the Unlock Strategy for a Keypad

### Keypad Method

Both keypads are set at the factory to single-stage mode as the default.

To change the keypad from single-stage (default) to two-stage strategy, close all doors and hold both the lock and unlock buttons down simultaneously for five seconds. The indicators flash to indicate that the unlock mode has been changed for that keypad.

To change the keypad from two-stage to single-stage strategy, repeat the procedure above. The indicators flash to indicate that the 'Unlock' mode has been changed for that keypad.

Extra keypads, purchased from your Ford dealer, can also be programmed in the same way.

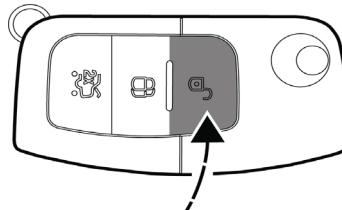
### Instrument Cluster Method

To programme the unlock strategy for the car (all keypads use the same strategy), using the Instrument Cluster:

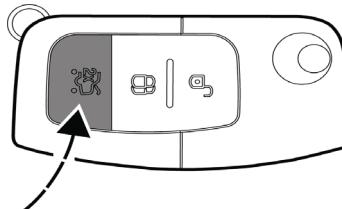
- Press the 'Menu' button.
- Select 'Settings' from 'Main' menu.
- Select 'Unlocking' from 'Settings' menu.
- Check the 'Two-Stage Unlock' box.
- Use the 'Menu' button to cycle back to the 'Main' screen.

## Unlocking Boot

The boot decklid opening button is enabled when the doors and boot are initially unlocked.



To unlock the boot and leave the doors locked, press the boot unlock button on the remote. The indicators flash once, indicating that the boot opening button is enabled.



The boot can also be opened by pressing the boot unlock button on the remote twice in a row.

The boot can be opened and shut using the boot decklid opening button for up to twenty seconds after the press of the boot release button on the remote. For security reasons, the boot opening button is disabled after this time.

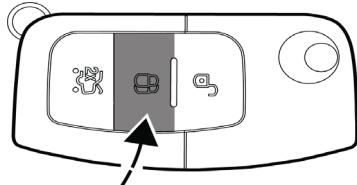


# Locks and Security

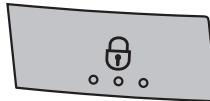
The boot can be unlocked and opened onto the latch by briefly pressing the boot unlock button on the keypad twice. The boot can then be opened without needing to press the release button on the boot.

## Locking Boot

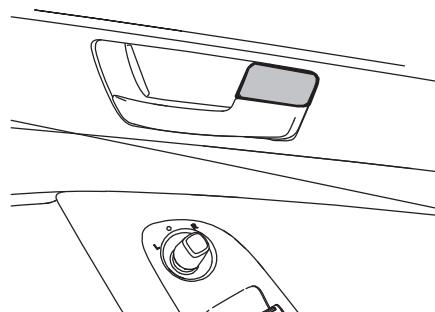
The boot can be locked either by using the lock button on the keypad or one of the door-lock buttons within the car.



**ICC Central Locking Button**



**Door Lock Button**



**Note:** For security reasons, there is no key release for the boot.

**Note:** The boot cannot be slam-locked, only closed.

## Secure Locking

This feature provides additional security to unauthorised external access to the boot via the boot opening button, and prevents the vehicle from being unlocked with the unlock switch in the ICC. When enabled, the boot release button is active only when the ignition is in the 'ON' position and vehicle speed is below 12 km/h, and also if the vehicle is left unlocked after ignition off.

Once the ignition is turned off and locked, it also disabled the unlock button in the ICC.

This feature is disabled by default factory settings. When the 'Boot Security Lock' feature is enabled, the boot remains locked, except for the following conditions:

- If the boot button is pressed on the remote entry keypad.
- The key is in the ignition, the doors are unlocked and vehicle speed is less than 12 km/h.
- The key is removed from the ignition and the doors remain unlocked.

**Note:** To programme the 'Secure Boot' feature using the Instrument Cluster. Refer to the 'Instrument Cluster' section of this manual:

- Press the 'Menu' button.
- Select 'Settings' from 'Main' menu.
- Select 'Locking' from 'Settings' menu.
- Check the 'Boot Security Lock' box.
- Use the 'Back' button to cycle back to the 'Main' screen.

# Locks and Security

**Note:** In this mode, the unlock button in the ICC is also disabled when the ignition is switched off.

## Replacement / Additional keypads

Up to a maximum of eight keypads can be trained to your vehicle. Replacement/additional keypads are available from your authorised Ford dealer.

## To Train Keypads

**Note:** Old keypads are removed from the system memory during the training procedure. Ensure all keypads are available to be retrained at the same time (old and new).

1. Switch the ignition from the 'OFF' to the 'ACC' position.
2. Press the rear window demister button three times within five seconds. The door locks cycle to indicate that the system is in training mode.
3. Press any button on the keypad to be trained. The door locks cycle to indicate that the keypad has been trained.

**Note:** First keypad trained results in one door lock cycle; second keypad trained results in two-door lock cycles, etc.

4. Repeat step 3 for all other keypads to be trained. Turn the ignition 'OFF'. The door locks cycle to indicate that the training mode has been exited.

## Replacement Batteries

If the range of the transmitter in the key decreases gradually, replace the battery.

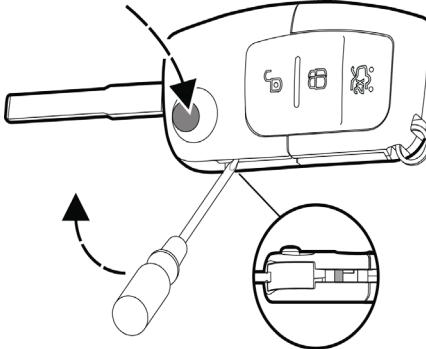
### WARNING



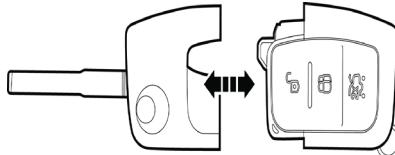
Take care when using hand tools to avoid personal injury. Do not push tool parts inside the body of the remote control or damage to the internal circuits may occur. Keep the old battery out of reach of children and dispose of responsibly. If in any doubt, your Ford dealer will be happy to change your battery for you.

## Flip Key Battery Replacement

1. Press the release button to flip the key blade to the open position.
2. Insert a thin screwdriver as far as possible into the second slot from the base of the key and push it towards the key blade to release the container from the key blade.

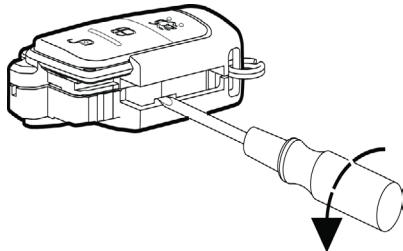


3. Separate the key blade component from the keypad container.

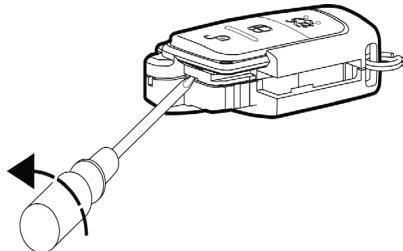


# Locks and Security

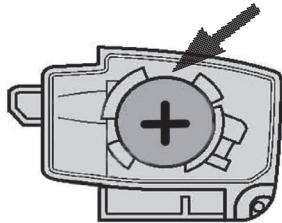
Insert the screwdriver into the opening at the side of the keypad container and rotate it to start opening the container.



4. Insert the screwdriver into the opening at the front of the keypad container and rotate it to open the container completely. Be careful not to lose the key ring.



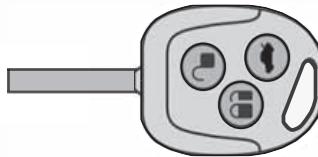
5. Insert the screwdriver into the opening marked with an arrow and carefully prise out the battery. Take care not to touch the battery contacts or the printed circuit board.



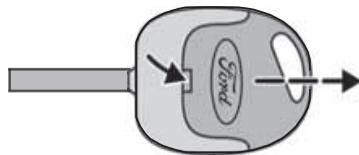
6. Insert a new 3V CR 2032 battery. The positive contact of the battery (marked with a +) must face upwards.
7. Snap the two halves of the keypad container back together.
8. Assemble the key blade component and keypad container and press firmly until they snap together.

## Non-Flip Key Battery Replacement

Certain Falcon variants have a non-flip spare key.



1. Carefully separate the transmitter unit from the key using a flat object (for example, a screwdriver) in the recess on the back.

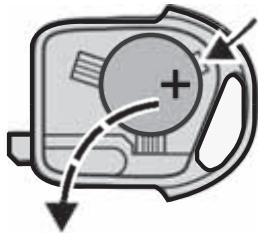


2. Open the transmitter unit by separating the retaining clips on the sides with the flat object.



# Locks and Security

- Carefully prise out the battery with the flat object. Fit the new battery between the contacts with the (+) sign facing upwards. Reassemble the transmitter unit in reverse order.

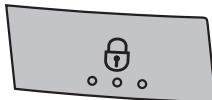


## DOOR LOCKS

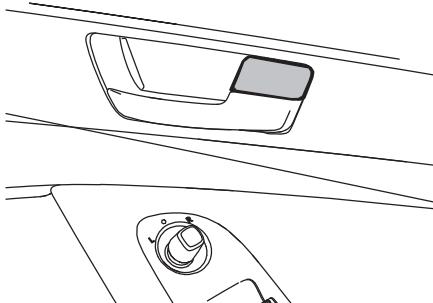
### Locking the Doors

Press the front door lock button or the door lock switch (positioned on the Interior Command Centre) to lock all of the doors.

### Interior Command Centre (ICC) Central Locking Button



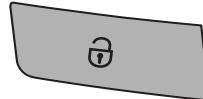
### Door Lock Button



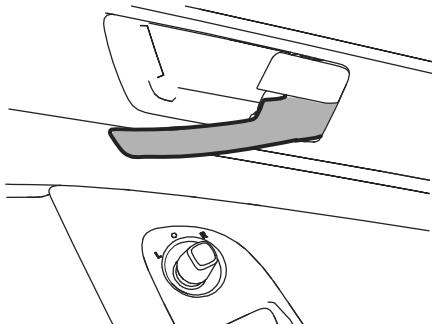
### Unlocking the Doors

Pull any of the interior door handles or press the door unlock switch (positioned on the ICC to unlock all of the doors).

### ICC Central Unlocking Button



### Door Handle Unlocking



From outside the vehicle, use the remote entry keypad to lock/unlock all of the doors. The ignition key may be used to lock/unlock the driver's door. If you are inside the vehicle with the doors locked, the doors can be unlocked and opened by pulling the door handle from the inside. Doors can be unlocked (but kept closed) by partially pulling the front door handles.

# Locks and Security

## REAR DOOR CHILDPROOF SAFETY LOCKS

The rear doors contain childproof safety locks. When activated, the rear doors can only be opened using the exterior handles. To activate, open each rear door, place a screwdriver in the slot and turn clockwise. The locks can be deactivated by turning the slot back in an anti-clockwise direction.



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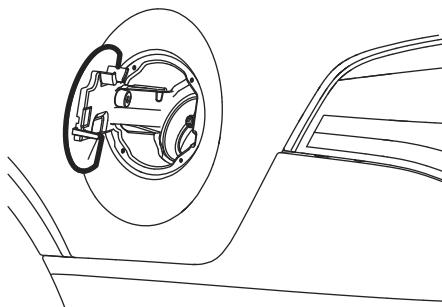
## LOCKING FUEL FILLER FLAP

Your Falcon is equipped with a locking fuel filler flap.

**Note:** *The locking fuel filler flap locks when the vehicle is locked and unlocks when the vehicle is unlocked.*

### Opening the Fuel Filler Flap

To access the fuel filler, first ensure that the vehicle is unlocked. Push the right-hand side (the side nearest the rear of the car) of the fuel filler flap once. The flap pops open slightly to allow the flap to be opened.



### Closing the Fuel Filler Flap

To allow the flap to close properly, first unlock the vehicle. Close the flap, then press the right hand side gently inwards until it clicks home.

#### WARNING

Only Ford-approved fuel caps should be used in order to prevent damage to the fuel system and reduce danger in an accident.

Attempting to open or close the fuel filler flap when the vehicle is locked will result in damage to the locking system. If the fuel filler flap does not open or close easily, ensure that the vehicle is unlocked.

## ENGINE IMMOBILISATION

Your vehicle is fitted with Smartshield, a sophisticated electronic engine immobilisation system. Once the system has been armed, any attempt to start the engine will be electronically inhibited unless the correct coded ignition key is used.

Your vehicle is supplied with two electronically coded ignition keys. Only these keys can be used to start your vehicle.

# Locks and Security

## Automatic Arming

Smartshield is automatically armed after the ignition is switched off.

The security light on the instrument cluster flashes to indicate that your vehicle is now electronically protected.

## Automatic Disarming

Switching on the ignition disarms the system if the correct coded ignition key is recognised.

If a key with an incorrect code is used, the engine starts and runs for a few seconds, then stops. The next two attempts again starts and runs the engine briefly, then stops. Further attempts with the wrong key will not start the engine.

If a key with the correct code is used after this sequence has occurred, the correct key must be held in the start position for about two seconds before the engine cranks and starts.

**Note:** If the engine does not start with the correct key, a system malfunction has occurred. Have the system repaired by an authorised Ford dealer as soon as possible.

## KEY CODING

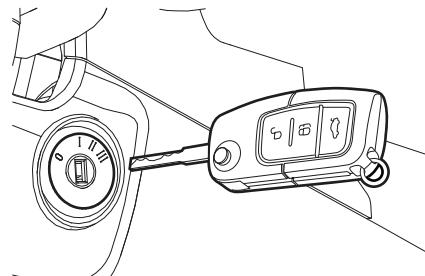
Replacement or additional keys are available from your authorised Ford dealer. A maximum of eight keys can be coded to the system at any one time.

**Note:** Two coded keys are required if you wish to code a new key.

**Note:** Keys not present during the key coding process are removed from the memory.

The key coding method is described below:

1. Sit in the driver's seat and close the door.
2. Insert the first already coded key in the ignition switch and turn to position 'I'.



3. Turn the key back to position '0' and remove the key from the ignition.
4. Within five seconds, insert the second already coded key in the ignition switch and turn to position 'II'.
5. Turn the key back to position '0' and remove from the ignition switch. The door locks cycle once to indicate that coding mode is active.
6. If a third (new) key is now inserted in the ignition switch and turned to position 'II' within five seconds, this third key is coded to the system. The door locks cycle three times to indicate the third key has been successfully coded. Wait for the door lock cycling to complete. Turn the key back to position '0' and remove from the ignition switch.

# Locks and Security

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7. Repeat step 6 with another new key, if desired. The door locks cycle four times, and so on up to eight cycles for the eighth key coded.

## Coding Erasure

With any two coded keys, you can erase all previously coded keys from your Smartshield system.

1. Insert the first key in the ignition switch and turn to position 'I'.
2. Turn the key back to position '0' and remove the key from the ignition.
3. Within five seconds, insert the second key in the ignition switch and turn to position 'II'.
4. Turn the key back to position '0', but leave the key in the ignition switch. The door locks cycle once.
5. Turn the second key (already in the ignition) to position 'II' again. Turn the key back to position '0' and remove the key from the ignition.
6. Insert the first key again. Turn to position 'II', then turn back to position '0'. The door locks cycle twice.

**Note:** Smartshield only recognises the two keys that were inserted. The keys that were not inserted are now deleted from the system. If three keys are required, use the coding procedure to code the third key.

## Lost Keys

If a key is lost, it is recommended that the system be recoded. This will delete the lost key(s) from the system, thus protecting your vehicle from theft in case the key has been stolen.

Consult your Ford dealer if you now have only one valid key. If you still have more than one valid key, use the coding erasure procedure to erase the lost or stolen key(s).

## Key in Ignition Lock Detection

If an attempt is made to lock the doors with the remote keypad while a key is in the ignition barrel, the horn sounds rapidly and the doors will not lock. The vehicle may be locked after the key has been removed from the ignition.

## ANTI-THEFT ALARM (if equipped)

The audible alarm system works through a siren (with independent battery backup) which is triggered by switches fitted to all doors, bonnet and the boot.

### Operation

The anti-theft alarm has four modes:

**DISARMED** - In this mode the alarm will not be triggered by the opening of doors, bonnet or boot.

**PRE-ARM** - This is the transition phase from the 'DISARMED' state to the 'ARMED' state. Once the alarm has been set, there is a twenty-second period to allow doors, bonnet and boot to be opened or closed without triggering the alarm. Once all doors, bonnet and boot remain closed for twenty seconds, the alarm goes into the 'ARMED' mode.

**ARMED** - Opening any armed doors, boot or bonnet triggers the alarm.

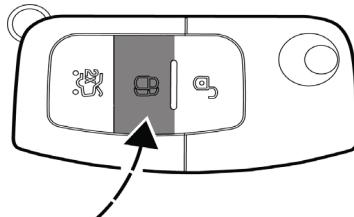
**ACTIVE** - Should the alarm be triggered, the siren sounds and the external lights illuminate.

# Locks and Security

## Arming

There are two options available for arming the alarm system. Only one option can be used at any one time.

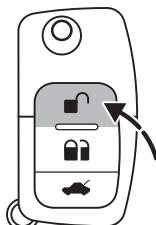
- The system can be armed by locking the vehicle using the lock button on the remote keypad.



- The system becomes armed when the ignition key is removed from the ignition.

Either action initially enters the 'PRE-ARMED' state prior to arming. (Refer to 'Operation' earlier in this section.) These two features can be enabled or disabled through the ICC 'Settings' menu. Acknowledgement of arming is provided by flash of the indicators and short chirp of the siren. The acknowledgement feature can be disabled through the ICC 'Settings' menu.

## Disarming



The system can be disarmed by unlocking the vehicle using the unlock button on the remote keypad, or when the ignition key is inserted into the ignition and turned 'ON'.

**Note:** If the anti-theft alarm is armed and the boot, bonnet or a door is opened, a pre-trigger warning sounds from the siren. At this point the system can be disarmed by a remote key unlock or key inserted into ignition and turned 'ON' (depending on setting) If not performed after twelve seconds, the siren sounds.

## Alarm Trigger

When the anti-theft alarm is 'ARMED', it can be triggered by any of the following actions:

- Doors, bonnet, boot opened.
- Battery or siren disconnected.
- Ignition transition without an authorised key.

## Disabling

The alarm can be completely disabled via the Instrument Cluster settings (refer to the 'Instrument Cluster' settings section of this manual). This does not affect the vehicle immobilisation system. In the case of a siren malfunction, the vehicle horn will substitute to give an audible alarm or warning. The vehicle should be taken to an authorised Ford dealer for inspection and/or repair.

## Alarm Acknowledgements

Disarm via Remote Unlock	1 chirp/flash
Disarm after Breach	3 chirps/flash
Arm	2 chirps/flash
Alarm Cannot Arm (door, boot or bonnet left open)	Multiple chirps/flashes

# Steering Wheel

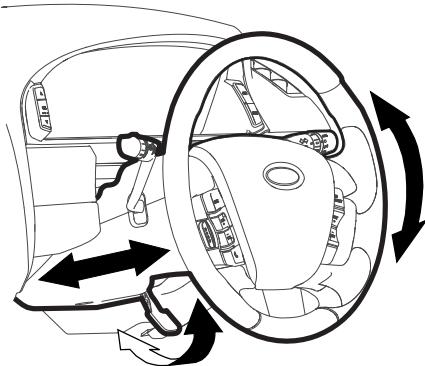
## STEERING WHEEL

### Adjustment

#### WARNING

 Never adjust the steering wheel when the vehicle is moving as steering control by the driver may be lost.

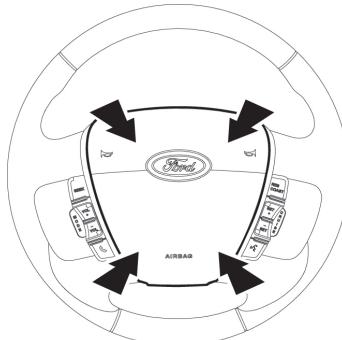
With the vehicle parked, pull down the release lever located underneath the steering column. The steering wheel may be adjusted both for height and reach. Firmly lock the release lever in position after adjustment.



**Note:** Make sure that you are sitting in the correct position. Refer to 'The Importance of Being Properly Seated' in the 'Occupant Protection' section of this manual.

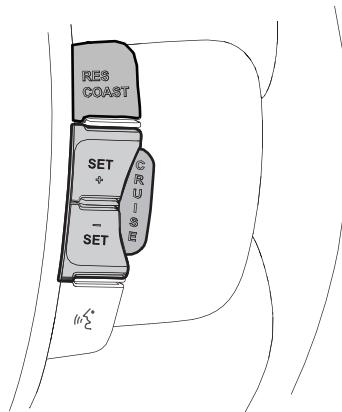
## HORN

Press the area on the steering wheel as shown. The horn can be operated with the ignition switch in any position.



## CONTROL BUTTONS

### Cruise Control

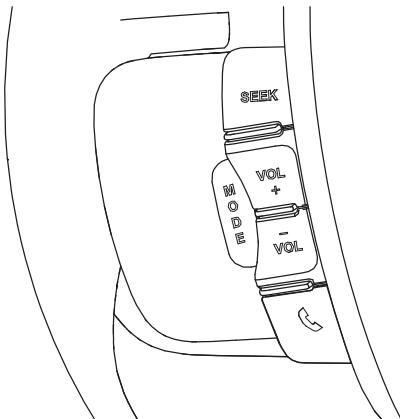


The buttons and paddle on the right-hand side of the steering wheel are used for setting and adjustment of the 'Cruise Control' system.

# Steering Wheel

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## Audio and Bluetooth® Phone Control



The buttons and paddle on the left-hand side of the steering wheel are used to control the audio system and, where Bluetooth® is fitted, operation of a compatible mobile phone.

Refer to the SYNC® manual for details on the audio control buttons and phone and Bluetooth® settings.

# Wipers and Washers

## WIPER AND WASHER CONTROLS

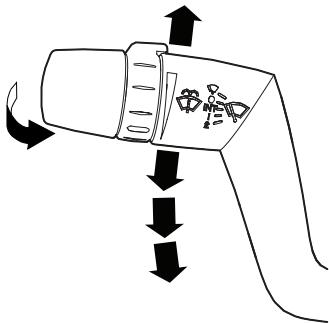
**Note:** Ensure the windshield wipers are switched off before entering a car wash.

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

**Note:** Clean the windshield and wipers if they begin to leave streaks or smears. If that doesn't resolve the issue, install new wiper blades.

**Note:** Wet road conditions can cause unexpected wiping or smearing when auto wiper is enabled.

The following functions are available with the ignition switch in the 'ACCESSORY' or 'ON' positions.



### Wash/Wipe

Pull the lever towards the steering wheel for more than 0.5 seconds. The wipers and washers activate to clear the screen.

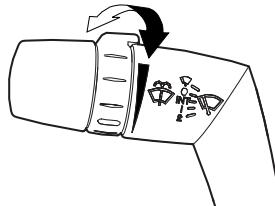
### Single Wipe

Momentarily push the lever up.

### Speed Sensitive, Variable Frequency Intermittent Wipe (INT) (if equipped)

With the ignition switch in the 'ON' position, the delay between wipes varies with vehicle speed. As vehicle speed increases, the time delay between wipes decreases. This feature also includes a single wipe which is activated when the vehicle speed reaches 8 km/h in a forward direction.

1. Push the lever down to the first detent position.
2. Rotate the control clockwise (toward the small end of the wedge symbol) to decrease the time delay between wipes.



3. Rotate the control counter-clockwise (toward the large end of the wedge symbol) to increase the time delay between wipes.

### Low Speed Wipe (1)

Push the lever down to the second detent position.

### High Speed Wipe (2)

Push the lever down to the third detent position.

# Wipers and Washers

## Automatic Wipers (if equipped)

**Note:** Ensure the windshield wipers are switched off before entering a car wash.

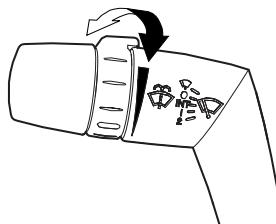
**Note:** Wet road conditions can cause unexpected wiping or smearing.

The wipers function when moisture is detected on the windshield. The rain sensor continues to monitor the amount of moisture on the windshield and adjusts the speed of the wipers automatically.

Use the rotary control to adjust the sensitivity of the rain sensor. With low sensitivity, the wipers operate when the sensor detects a large amount of moisture on the windshield. With high sensitivity, the wipers operate when a small amount of moisture is detected.

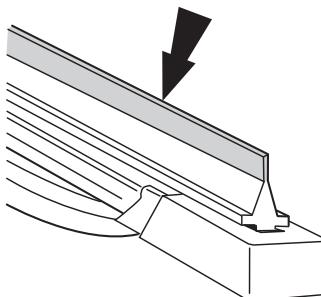
With the ignition switch in the 'ON' position, the delay between wipes varies with the amount of rain on the windscreens.

1. Push the lever down to the first detent position. This sets the wiper to intermittent mode to enable 'AUTO WIPE' mode (if equipped).
2. Rotate the control counter-clockwise (towards the large end of the wedge symbol) to increase the time delay between wipes.



3. Rotate the control clockwise (towards the small end of the wedge symbol) to decrease the time delay between wipes.

## CHECKING THE WIPER BLADES



Check the wiper blades on your vehicle for roughness by running the tip of your fingers over the edge of the blade.

Traces of grease, silicone and fuel also prevent wiper blades from functioning properly.

Clean the blades regularly using a damp cloth or sponge soaked with diluted windscreens or car wash detergent.

Change the wiper blades on your vehicle at least once a year.

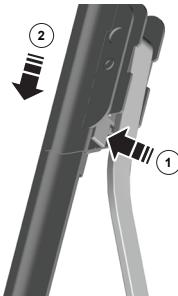
# Wipers and Washers

## CHANGING THE WIPER BLADES

### Windscreen Wiper Blade Removal

**Note:** The wiper blade is a 'Beam' type and is replaced as a whole unit. Wiper refills cannot be used.

1. Lift the wiper arm (by the top) away from the windscreens as far as it will go, until it locks in the extended position by spring tension.
2. Depress the locking tab on the underside of the wiper-blade mount and release the blade by pulling it downward (as shown in the diagram below).



### Windscreen Wiper Blade Installation

1. Clean the windscreens with a suitable cleaning agent.
2. Slide the blade into the wiper-blade mount, making sure to engage the locking tab.
3. Lower the wiper blade against the windscreens.

### Windscreen Wiper Arm and Blade Removal and Installation

1. Lift the plastic cover from the spindle end of the wiper arm.
2. Remove the nut attaching the arm to the pivot spindle.
3. Prie the arm from the serrated tapered seat on the spindle.
4. Cycle wiper motor to correct park position.

# Lighting

## HEADLIGHT CONTROLS

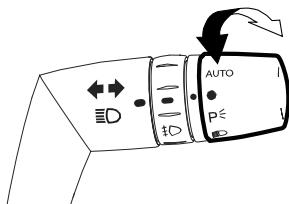
### Auto Headlight On/Off

This feature switches the headlights on or off, according to the ambient light level. The light sensor is located where the instrument panel meets the front windscreen and is used to monitor brightness.

#### WARNING

 In fog, mist or inclement conditions, it is recommended to switch to manual headlights (Refer to 'Manual Headlight On/Off' later in this section).

Rotate the switch one position anti-clockwise from the 'OFF' position to turn the auto headlight on/off feature 'ON'.



When the headlights are on and the switch is in the auto headlight position, an indicator light in the instrument cluster illuminates to indicate the feature is active. When driving from light to dark, there is a 1.4 second delay before the headlights switch on. When driving from dark to light, there is a six-second delay before the headlights switch off.

### 'Follow-Me-Home' Lighting

If the headlights are on in 'AUTO' mode and the ignition is turned from 'ACCESSORY' or 'ON' to 'OFF', there is a programmed delay of up to four

minutes before the headlights switch off automatically. The headlights switch off immediately the car is locked using the remote keypad.

**Note:** To adjust the time delay or switch off this feature using the Instrument Cluster settings.

1. From the 'Main Settings' menu in the Multifunction Display (MFD) screen, toggle to 'Settings' using the up/down buttons situated on the left-hand side of the Instrument Cluster.
2. With 'Settings' highlighted, press the 'SEL' button to select.
3. Toggle to 'Lighting' and press the 'SEL' button to select.
4. Toggle the desired time by pressing the 'SEL' button to scroll through one, two, three or four minute options (factory default two minutes) or select 'OFF'.
5. Press the 'Menu' button to return to the 'Settings' menu.

Locking the vehicle via the remote key function automatically turns the headlights off, according to the selected time delay.

**Note:** If a warning chime is heard and no headlamp delay is noticed when the ignition is turned 'OFF', please see your authorised Ford dealer.

### Manual Headlight On/Off

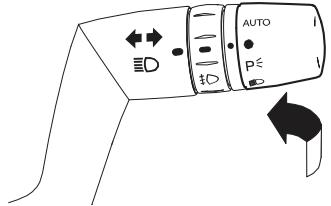
Rotate the switch one position clockwise from the 'OFF' position to turn on the front park lights and tail lights. Rotate the switch two positions clockwise from the 'OFF' position to also turn on the headlights.

# Lighting

If the ignition is turned off with the headlights or park lights on, a warning tone sounds and a warning light illuminates to remind you to turn the lights off.

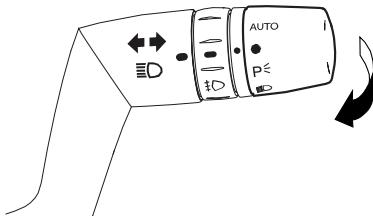
## High Beam Headlights

Push the lever forward to select high-beam headlights. An indicator light in the instrument cluster illuminates to indicate that high-beam headlights have been selected. Pull the lever back to switch the high-beam off.



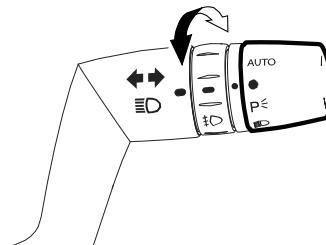
## Headlight Flash

Momentarily pull the lever towards the steering wheel to flash the high-beam headlights.



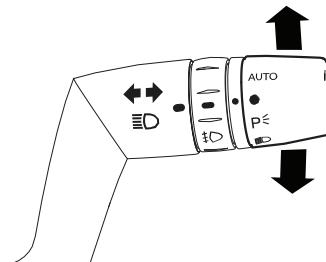
## FRONT FOG LIGHTS (if equipped)

The fog light switch is located on the right hand indicator stalk. The fog lights can be turned on when either the parking lights or headlights are on by rotating the switch. When the fog lights are turned on, the fog light indicator light is displayed on the instrument cluster.



## DIRECTION INDICATORS

Move the lever up to the detent position to indicate a left turn, or down to the detent position to indicate a right turn.



## One-Touch Lane Change

A slight push of the lever upwards indicates a left-lane change. A slight push of the lever downwards indicates a right-lane change. The indicator flashes three times.

# Lighting

## INSTRUMENT PANEL ILLUMINATION

Refer to Multifunctional Display (MFD) menu screen in the 'Instrumentation' section of this manual for further information.

**Note:** The SYNC® display can also be adjusted independently for brightness and contrast through the 'Display Settings' menu.

**Note:** The light sensor (located where instrument panel meets the front windscreens) controls instrument panel illumination availability. Illumination only switches on, once ambient light falls below a predetermined level.

## INTERIOR LIGHTS

### Courtesy Light

The courtesy light may be switched on or off by pushing the instrument panel illumination switch located on the ICC.



### Automatic Courtesy Light-On Feature

Vehicles are set in the factory with this feature enabled. When the ignition has been turned to 'OFF' from the 'ACC' or 'ON' positions, and the key is removed from the ignition but a door is not opened, the interior light turns on and remains illuminated for a short period.

When any door is opened, the interior light will be illuminated. A short period of time after all doors are closed, the interior light will fade to off.

If all doors are closed and the ignition is turned to 'ACC', 'ON' or 'START', the interior light turns off.

### Adjusting the Automatic Courtesy Light-On Feature

**Note:** To adjust this feature using the Instrument Cluster:

1. Press the 'Menu' button.
2. Select 'Settings' from 'Main' menu.
3. Select 'Lighting' from 'Settings' menu.
4. Select 'Interior Lighting' from 'Lighting' menu.
5. Adjust/disable as required.
6. Use the 'Menu' button to cycle back to the 'Main' screen.

### Battery Saver Automatic Courtesy Light-Off Feature

With the ignition in the 'OFF' position, if a door is left open and the automatic courtesy light-on feature is enabled, the interior lights will be automatically turned off after fifteen minutes.

The boot lamp is also turned off after fifteen minutes if the boot is left open, with the ignition in the 'OFF' position.

### Child Nightlight Feature

The 'Child Nightlight' feature allows the brightness intensity of the dome lamp to be adjusted. This is intended to help avoid waking up sleeping children with bright interior lighting.

### Turning the Light On

A short press of the dome lamp button turns the dome lamp on or off.

# Lighting

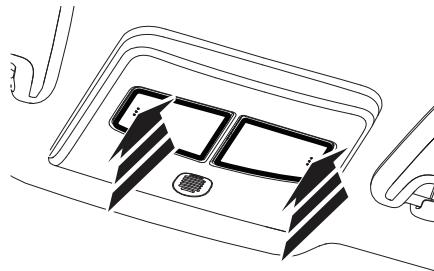
## Adjusting the Intensity

There are twenty-one levels of brightness intensity. Press and hold the dome lamp button to adjust the brightness intensity of the light. Releasing the dome lamp button keeps the current intensity level and this becomes the brightness intensity level for all interior lighting functions.

When the dome lamp is off, a press and hold of the dome lamp button increases the brightness intensity from minimum.

## Front Reading Lights

To switch on either light, press the light lens in the outboard area as indicated in the diagram. Repeat to switch off.

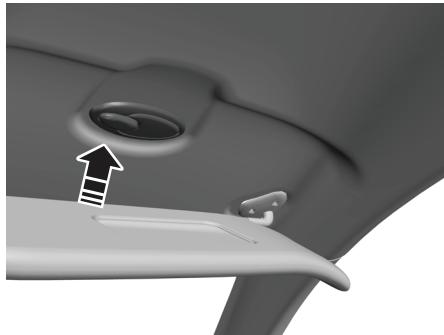


## Rear Reading Lights (if equipped)

As per the front reading lights (above).

## Sun Visor Vanity Mirror Lamp (if equipped)

To switch on either light, press the switch as indicated in the diagram. Press the opposite end to switch off.



# Lighting

## CHANGING A BULB

### WARNINGS

 Switch the lights and the ignition off.

 Let the bulb cool down before

### CAUTIONS

 Do not touch the glass of the bulb.

 Only fit bulbs of the correct specification. Refer to the Bulb Specification Chart later in this section.

**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.*

## Headlamps

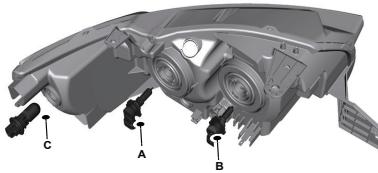
### WARNING

 Headlamp lenses become hot during and for a short time after headlamp operation. To avoid personal injury, allow the headlamp lens time to cool before touching.

### CAUTION

Handle a halogen headlamp bulb carefully. Do not touch the glass. The

oil from your hand may cause the bulb to break the next time the headlamps are operated. If the bulb is accidentally touched, it should be cleaned with alcohol before being used.



A Headlamp high beam bulb - HB3/60W.

B Headlamp low beam bulb - HIR2LL/55W.

C Front indicator bulb - WY21W/21W.

### Low or High Beam

**Note:** *Ensure when replacing bulbs, that the correct bulb is assigned to the correct socket. The low and high beam bulbs are different in size and specification. Consult the bulb usage table at the end of this section for correct bulb types.*

7. Switch off the lights and allow to cool.
8. Open the bonnet.
9. Remove the low-beam bulb, rotate the bulb with the connector quarter turn anti-clockwise when looking from back of the lamp.
10. Pull out bulb from the lamp. Disconnect connector from the bulb and insert replacement bulb in connector.
11. Insert bulb with the connector in the lamp and turn clockwise to lock.

# Lighting

12. For existing high-beam bulb, remove battery and air filter for right and left-hand side respectively, and follow similar procedure as for low-beam bulb replacement as set out above.

## CAUTION

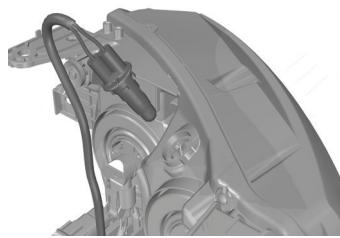
-  Ensure bulb is correctly seated. Checking the bulb location through the front of the headlamp lens can be a useful aid to ensuring the bulb is correctly aligned.

## Front Indicator

1. Switch off the lights and allow to cool.
2. Turn the front wheel inward to allow access to the front of the wheel arch.
3. Remove the three scrivets and peel the plastic splash shield back.
4. Reach into the gap and locate the turn signal connector. Turn the bulb holder one-eighth turn anti-clockwise to release.
5. Remove bulb by gently pulling out from bulb holder.
6. Insert the amber replacement bulb and replace the bulb holder, turning one-eighth turn clockwise to secure.
7. Replace the splash shield and insert the scrivets.

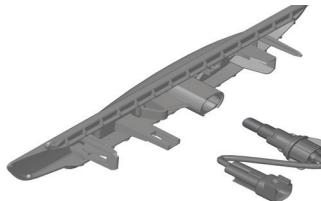
## Parking Lamps (if equipped)

1. Switch off the lights and allow to cool.
2. Open the bonnet.
3. The bulb holder is located at the top of the high beam reflector and is accessed through the housing.



4. Gently rotate anti clockwise one quarter of a turn and pull the bulb holder from the rear of the headlight housing.
5. Remove the bulb from the holder by pulling it outwards.
6. Insert the replacement bulb into the holder and replace the holder back into the headlight housing by turning clockwise one quarter of a turn.

## Side Repeater



1. Turn the front wheel outward.
2. Remove the four scrivets and peel splash shield back.

# Lighting

3. Remove the bulb holder by turning anti-clockwise 45 degrees.
4. Remove the bulb from the holder by pulling straight out.
5. Replace the bulb and bulb holder.
6. Secure the splash shield.

## CAUTION

 Hold the replacement Quartz Halogen bulb with a clean cloth or tissue to prevent contact with glass. If the glass is touched, the skin's natural oils will contaminate the bulb. If touched, wipe the bulb clean using methylated spirits before installing.

## Side Repeater - External Mirror Mounted (if equipped)

### CAUTION

 It is recommended that this procedure is carried out by your authorised Ford dealer.

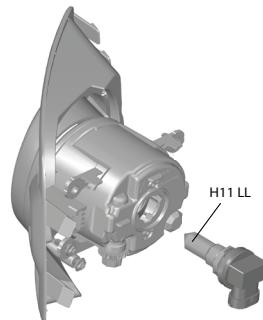
## Daytime Running Lamps (if equipped)

The Daytime Running Lamps (DTRLs) are part of the headlamp functionality. They improve vehicle visibility during daylight environments, thereby improving road safety conditions.

These LED lamps turn on as soon as you turn on the ignition. During night-time or low-ambient light, when you turn on the parking lamps, the DTRLs take over the parking lamp functionality.

## Front Fog Lamps (if equipped)

1. Switch off the lights and allow to cool.
2. Disconnect the wiring loom plug at the connector socket.
3. Rotate the H11 bulb assembly through a quarter turn anti-clockwise, then pull.



## Rear Lamps

There are two rear lamps - body-side lamp and boot-lid lamp.

- Body-side lamps have a direction indicator, brake lamp and position lamp.
- Boot-lid lamps have a reverse lamp and a position lamp.

Set out below are the procedures for bulb replacement for the two sections.

Body-side lamp:

1. Open the boot lid.
2. Remove the scrivet and pull back the boot trim to reveal the three nuts retaining the light assembly cluster.
3. Remove the three retaining nuts.

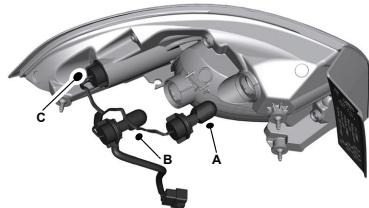
# Lighting

4. Remove the light assembly cluster.
5. Unscrew the bulb holder to remove the bulb.



- A Direction indicator bulb.
  - B Brake lamp bulb.
  - C Position lamp (LED-based non-servicable).
6. Insert the replacement bulb and replace the bulb holder.
  7. Replace the light assembly cluster.
  8. Replace the three retaining nuts.
  9. Replace the trim and scrivet.

Boot lid lamp:

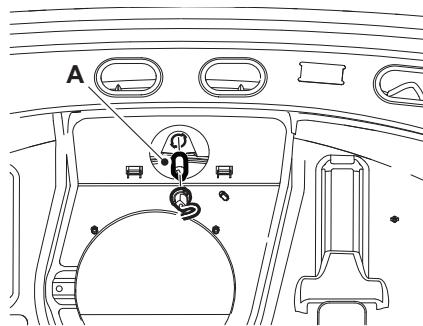


1. Open boot lid.
2. Remove the scrivets and pull back boot-lid trim to reveal the boot-lid lamp.

3. Unscrew reverse lamp bulb holder by turning it one quarter turn in anti-clockwise direction.
4. Gently pull out bulb from bulb holder.
5. Insert replacement bulb into the holder and replace bulb holder in lamp by locking it in, in a clockwise direction.
6. Replace boot-lid trim and scrivet.

## High-Mounted Brake Lamp

1. From inside the luggage compartment, unscrew the bulb holder.



- A High mount brake lamp bulb.
2. Replace the bulb and reinsert the bulb holder.

**Note:** There is no bulb fitted to the interior high-mounted brake lamp when the vehicle has been fitted with a spoiler mounted brake lamp.

# Lighting

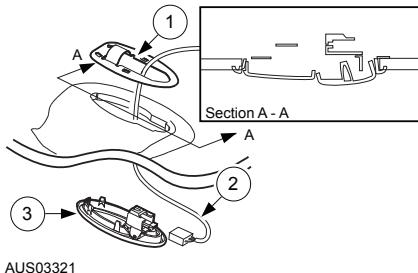
## Rear Licence Plate Lamps

1. Carefully insert a flat blade under one side of the lamp assembly.
2. Press gently on the locking tab.
3. Lift the lamp assembly out of the licence plate trim.



## Sun Visor Vanity Mirror Lamp (if equipped)

1. Carefully unclip the lens from the bezel using a screwdriver on the end of the lens opposite the knob.
2. Remove the bulb from the lamp.



4. Disconnect the wiring connector.
5. Turn the bulb holder approximately one eight turn anti-clockwise until it is free.
6. Pull the bulb from the socket.
7. Replace the bulb and bulb holder and connect the wiring connector.
8. Push the lamp assembly into the licence plate trim until the locking tabs engage.

# Windows and Mirrors

## BULB SPECIFICATION CHART

### Exterior Lamps

Lamp	Bulb Type
Headlamp Low Beam	55W HIR2LL
Headlamp High Beam	60W HB3
Daytime Running Lamp (DTRL)	Sealed LED
Front Indicator Lamp	21W/WY21W Amber Wedge
Rear Indicator Lamp	21W/WY21W Amber Wedge
Side Repeater Lamp	5W Wedge
Side Repeater Lamp (Mirror-Mounted)*	5W Amber Wedge
Parking Lamp (if equipped)	5WLL Wedge
Front Fog Lamp	55W H11
Brake Lamp	21W/W21W
High Mounted Brake Lamp	16W Wedge
Brake Lamp (Spoiler-Mounted)	Sealed LED
Rear Licence Plate Lamp	5W Wedge
Reverse Lamps	16W

### Interior Lamps

Lamp	Bulb Type
Luggage Compartment	10W
Interior Dome Lamp	10W
Front Reading/Rear Reading Lamps	5W Wedge
Sun Visor Vanity Lamps	5W Wedge
Rear Centre Console Lamp	10W Festoon
Glove Compartment	4W
Cigarette Lighter	2W
Door Mounted Interior Lamp	5W Festoon
Footwell Lamps on Passenger and Driver Side	3W
Instrumentation/Display/Warning Lamps	Service by Technician
Automatic Transmission Control Indicator	Service by Technician

# Windows and Mirrors

## POWER WINDOWS

### WARNING

 Before operating power windows, ensure that nothing can be trapped by the window, especially hands, head and so on. Failure to do so could result in serious personal injury. Be especially vigilant around children and pets when operating power windows.

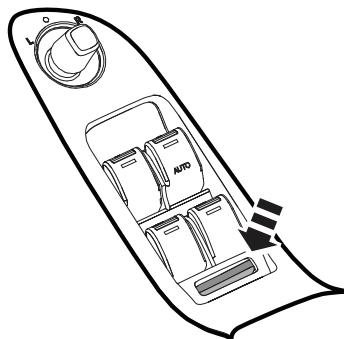
### Operation

The power windows can be operated under the following conditions:

- For a short period of time following initial entry to the vehicle, regardless of whether the key is in the ignition.
- When the ignition is switched 'ON', in 'ACC' position, or for one hour after the ignition is switched 'OFF'. This time is reduced to forty seconds if any door is opened.
- Rear windows only work when the driver lock is not activated.

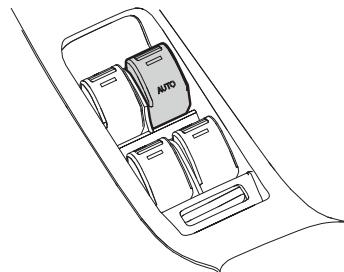
### Driver Lock Control

The driver lock control, located below the electric window switches, allows the driver to lock the rear windows. Rear-seat passengers cannot operate their own electric window controls with the driver lock activated.



### Driver's Window Auto Down Feature

The driver's window may be lowered with one press of the driver's down button. Firmly press the switch marked 'AUTO' and hold momentarily to use this feature.

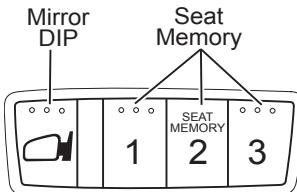
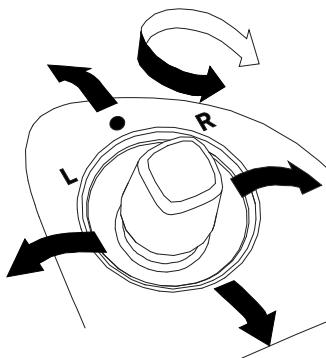


## MIRRORS

### Power Exterior Mirrors

Rotate the switch to select the mirror to be adjusted. Push the switch in the direction that you require the mirror to be adjusted. When the mirror is correctly adjusted, rotate the switch back to the centre (off) position.

# Windows and Mirrors



The vehicle comes preset with a factory default mirror-dipped position which can be enabled by the 'Mirror Dip' button. The default position can also be modified to a more desirable position.

Enabling the factory default mirror-dipped feature:

1. Unlock the vehicle with your remote key.
2. Ensure that a memory seat position is programmed to the seat mount memory button position one, two or three. (Refer to the 'Seats' section of this manual.)
3. Insert the key into the ignition and turn to the 'ON' position.
4. Select 'REVERSE' gear.
5. Press and hold the 'Mirror Dip' button on the side of the seat for two seconds. A double chime sounds, indicating that the feature is enabled. A single chime indicates that the feature is disabled. Press and hold the button for two seconds again to re-enable.
6. The mirror will now automatically move to the factory default dipped position. This may take up to five seconds.

**Note:** *The mirror dip must be enabled for each stored memory seat buttons one, two or three.*

## WARNING



Objects seen in the left-side rear view mirror look smaller and further away than they actually are. Be careful not to overestimate the distance of objects seen in the convex mirror.

## Manual Exterior 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.

## Automatic Exterior Mirror Dip for Reversing (if equipped)

A 'mirror dip' feature is available to aid the driver while reversing the vehicle, by tilting the passenger-side exterior mirror to increase rearward vision. The 'Mirror Dip' button is located next to the memory buttons on the right-hand side of the driver seat base.

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## **Storing a New Mirror Dip Position**

**Note:** The mirror-dip feature must first be enabled according to your current memory seat position one, two or three.

1. Unlock the vehicle with your remote key.
2. Recall a memory seat position one, two or three.
3. Insert the key into the ignition and turn to the 'ON' position.
4. Select 'REVERSE' gear.
5. The mirror will now automatically move to the factory default dipped position. This may take up to five seconds. If it does not move, check that the mirror dip feature is enabled.
6. As required, move the mirror to the desired position using the mirror controls.
7. To store this position, press and hold the original seat memory position one, two or three, with reverse gear selected and the ignition still in the 'ON' position. A double chime sounds to indicate successful memory storage.

**Note:** If the vehicle is locked whilst the mirrors are still moving, the new memory position will not be stored.

**Note:** The mirror dip must be enabled for each stored memory seat button one, two, or three.

**Note:** Once the vehicle is locked with the remote, the current mirror, mirror dip and seat position will be programmed to the key.

## **Recalling a Mirror Dip Position**

When unlocking the vehicle with the remote, the mirror automatically moves into a dipped position on engaging reverse gear (if you have followed the procedures on enabling the factory default mirror-dipped or storing a new mirror dip position outlined earlier in this section).

### **To Enable Automatic Mirror Dip**

1. Turn ignition to 'ON' position.
2. Select 'REVERSE' gear.
3. When pressing the 'Mirror Dip' button briefly, a single chime sounds. This indicates that the mirror dip feature is disabled. Press and hold the 'Mirror Dip' button for two seconds. A double-chime sounds, indicating the feature is now enabled.

### **To Disable Automatic Mirror Dip**

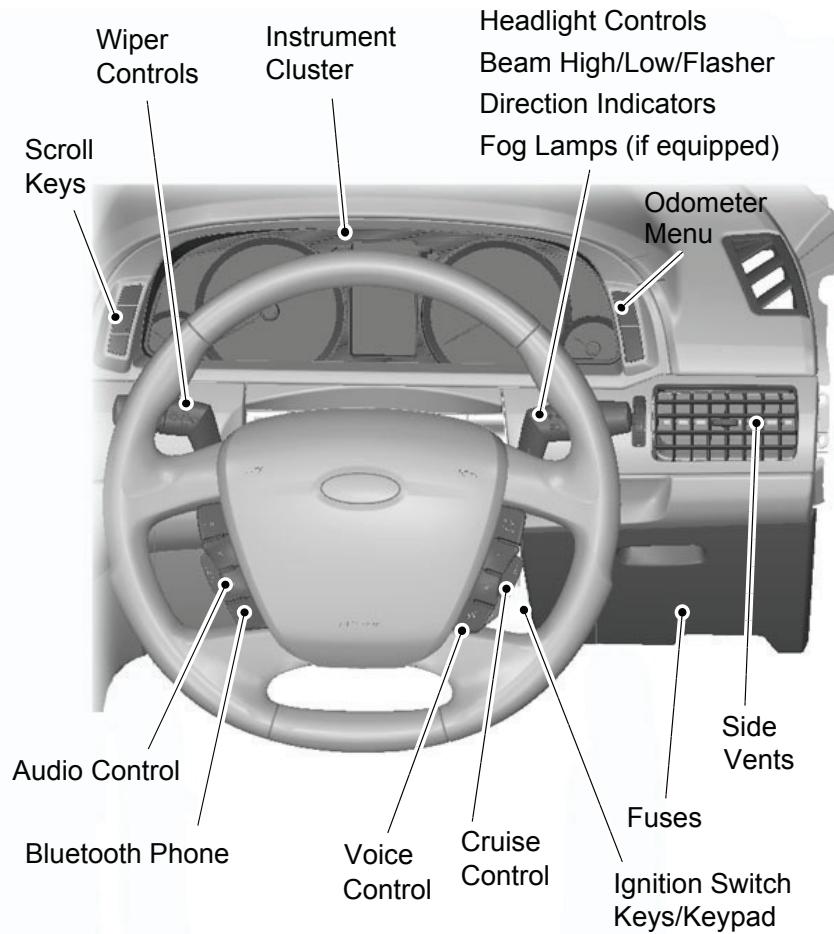
1. Turn ignition to 'ON' position
2. Select REVERSE gear.
3. When pressing the 'mirror dip' button briefly, no chime will sound. This indicates that the mirror dip feature is enabled. Press and hold the 'mirror dip' button for two seconds. A double-chime will sound, indicating the feature is now disabled.

## **Automatic Dimming Interior Mirror (if equipped)**

Sensors at the front of the interior mirror measure the intensity of incident light. The mirror automatically changes to a dimmed position or returns to its normal state, depending on the light intensity. A green light on the front of the mirror indicates that the mirror is working.

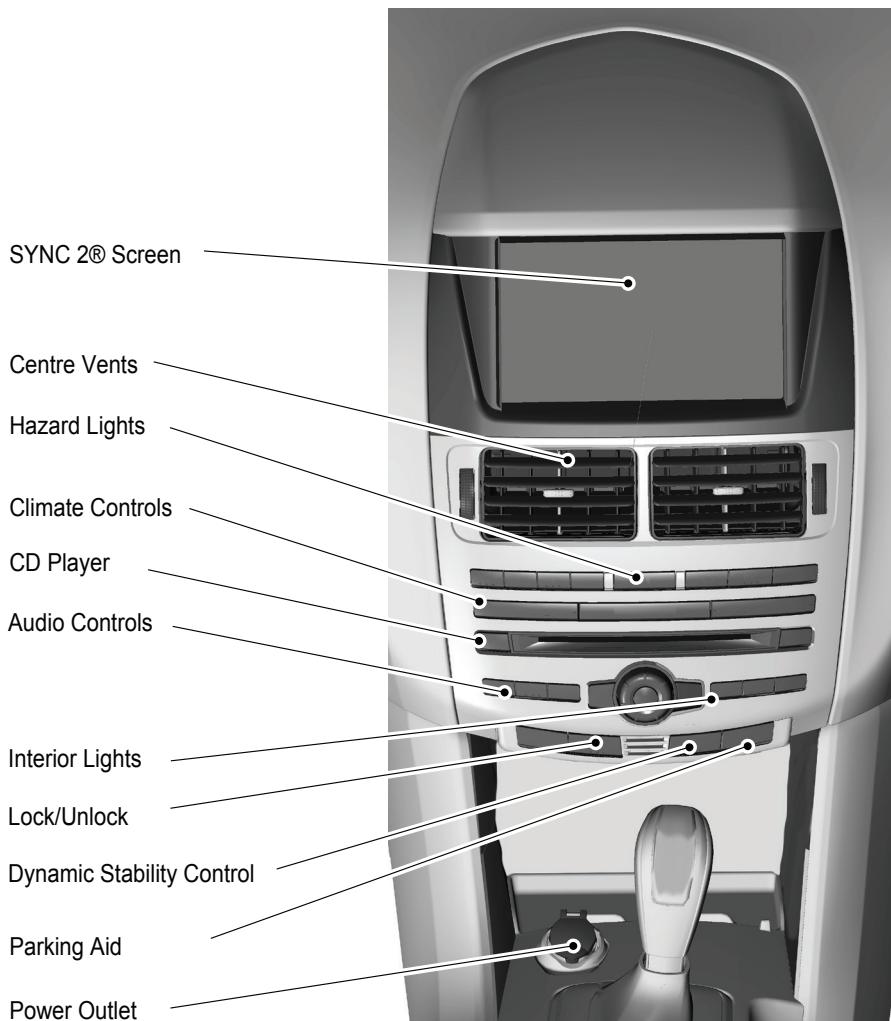
# Instrumentation

## DASH LAYOUT



For details on how to use the voice control, audio and Bluetooth® functions, refer to the SYNC® manual.

## Instrumentation

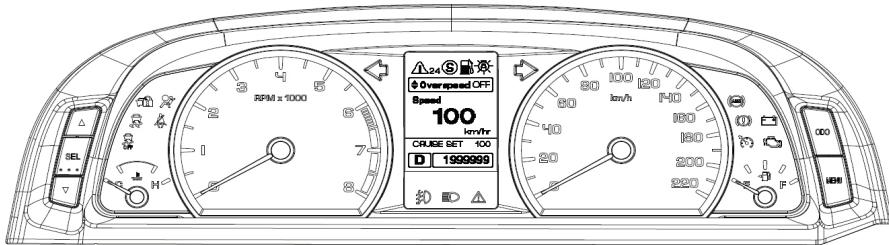


# Instrumentation

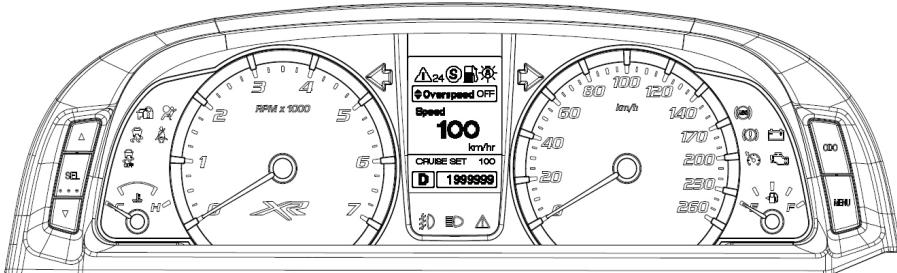
## INSTRUMENT CLUSTER

There are three different instrument cluster designs, depending on vehicle specification.

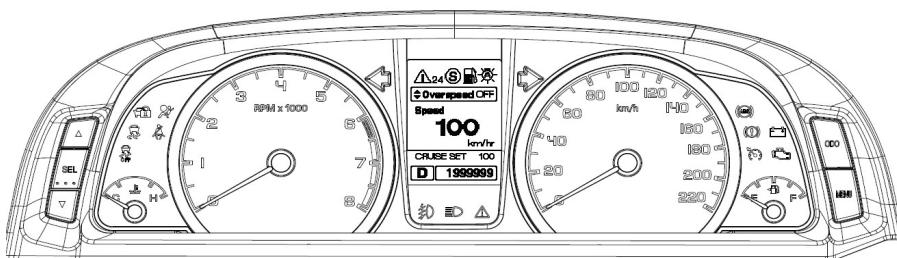
### Instrument Cluster



### XR6/XR8 Series Instrument Cluster



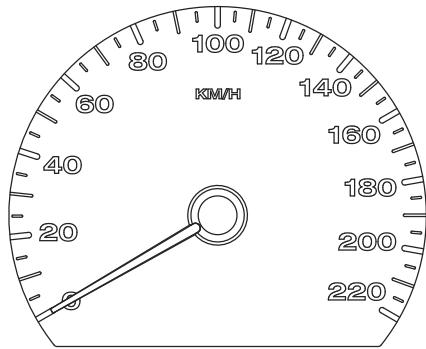
### G6E/G6E Turbo Instrument Cluster



# Instrumentation

## Speedometer

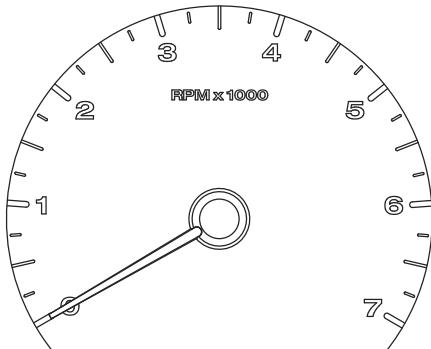
The analogue speedometer indicates the current road speed in kilometres per hour (km/h).



**Note:** A digital speedometer is also available in the Multifunction Display (MFD) in the centre of the Instrument Cluster. Refer to 'MFD' later in this section for further information.

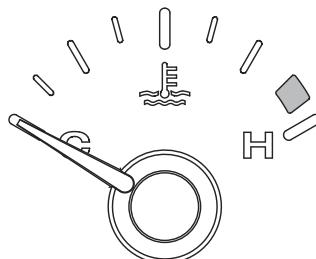
## Tachometer

Indicates the engine speed in thousands of revolutions per minute (rpm x 1000). For optimum engine durability, operate the engine below 4,000 rpm.



## Temperature Gauge

Indicates the temperature of the engine. At normal operating temperature, the indicator remains within the normal area. If it enters the 'Red' section, or if the engine temperature warning light illuminates, switch off the engine as soon as it is safe to do so and have the source of the issue determined. Refer to the 'Fail Safe Cooling' feature in the 'Driving Hints' section of this manual.

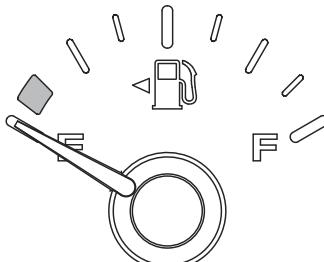


## WARNING

 Never remove the coolant reservoir cap when the engine is hot. Allow the engine to cool before removing the cap.

## Fuel Gauge

Indicates the fuel tank contents when the ignition is on.

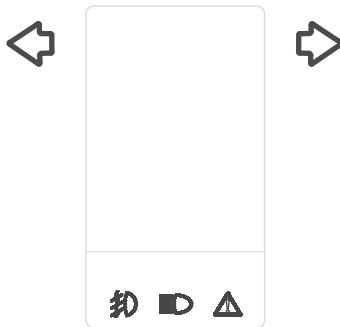


# Instrumentation

## INSTRUMENT CLUSTER WARNING LAMPS

The instrument cluster has several dedicated warning lamps to relay information to the driver. These lamps are described below.

### Instrument Cluster Warning Lamps - Central



#### Turn Signal Indicator



Flashes when a turn indicator is switched on. An increase in the rate of flashing warns of a failure of one of the external indicator bulbs. Both arrows flash if the hazard lamps are switched on.

#### Fog Light Indicator



Illuminates when the external fog lights (if equipped) are activated.

#### High Beam Indicator



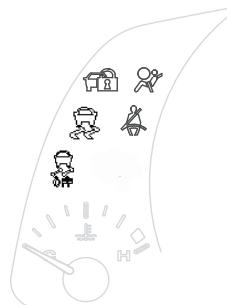
Illuminates when the headlights are switched to high beam or when the high-beam headlights are flashed.

### General Warning Indicator



Illuminates or flashes depending on the warning that is active. Warnings can be 'Yellow' or 'Red' depending on the severity of the warning, with 'Red' taking priority.

### Instrument Cluster warning lamps - Left Side



#### Smartshield Security Light



Flashes to indicate that the Smartshield engine immobilisation system is activated. The security light will remain illuminated briefly when the key is first turned to START. If the security light stays on while attempting to start the engine, the vehicle has been immobilised by the system and will not start. Also indicates that an attempt has been made to lock the car whilst the key is in the ignition.

**Note:** If the engine does not start with the correct key, a system malfunction has occurred. Have the system repaired by an authorised Ford dealer as soon as possible.

# Instrumentation

## Restraints System Malfunction Warning Indicator



The restraints system includes the airbags and seatbelt buckle pretensioners. If the light does not illuminate or does not go out when the ignition is first switched on, or illuminates whilst the vehicle is being driven, have the system checked by an authorised Ford dealer as soon as possible.

## Dynamic Stability Control Indicator

**Note:** Dynamic Stability Control (*DSC*) is also known as *Electronic Stability Control*. (*ESC*)



Flashes to indicate that the DSC system is controlling the spinning of the driven wheel(s), and/or controlling under/oversteer of the vehicle, and illuminates continuously if the DSC system has been deactivated via the DSC switch. If the DSC symbol stays illuminated whilst driving with the system switched on, a system fault is indicated. Have the system checked by an authorised Ford dealer as soon as possible.

## Dynamic Stability Control Indicator Off



Illuminates continuously if the DSC system has been deactivated via the DSC switch.

## Seatbelt Warning Light



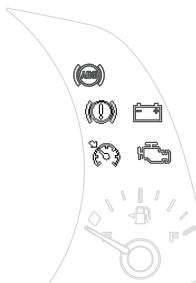
Reminds occupants to fasten their seatbelts. There are two modes for the seatbelt indicator:

- **Warning Mode:** The seatbelt indicator is activated when the ignition is turned on. If the driver or passenger seatbelt is unbuckled, the seatbelt warning light remains on for eight seconds or until both seatbelts are buckled.

- **Beltminder™ Mode:**

Supplemental feature which provides additional warnings, if the driver or passenger seatbelt is unbuckled, by sounding a chime and illuminating the seatbelt warning lamp in the instrument cluster. Refer to 'Occupant Protection' section of this manual for further information.

## Instrument Cluster Warning Lamps - Right Side



## ABS Malfunction Warning



The lamp illuminates briefly when the engine is started, signifying a system check. If the light does not illuminate when the ignition is first turned on, does not go out, or illuminates whilst the vehicle is being driven, have the system checked by an authorised Ford dealer as soon as possible. Your brakes will operate without the ABS function during this period, provided the brake system warning light is not illuminated.

# Instrumentation

## Charging System Malfunction Warning



Illuminates when the ignition is turned on and extinguishes when the engine has started. If it illuminates while the engine is running, there is a fault in the charging system. With the engine off, check the drive belt and alternator connections immediately or contact an authorised Ford dealer.

## Brake System Warning Indicator



Illuminates briefly when the ignition is switched on, signifying a system check. If the warning light does not illuminate briefly when the vehicle is started, see an authorised Ford dealer as soon as possible. If the light illuminates whilst the vehicle is being driven, apply brakes gently, pull over to the side of the road and stop the vehicle as soon as it is safe to do so. Have the vehicle checked by an authorised Ford dealer immediately.

Illuminates if the park brake is on or not fully released with the ignition switched to 'ON'. If the vehicle starts moving with the park brake on, a single rising beep warning tone sounds and continues to sound for twenty seconds or until the park brake is released.

## Cruise Control



Illuminates when cruise control is on and set.

## Malfunction Indicator Lamp



The Malfunction Indicator Lamp (MIL) illuminates briefly after turning the ignition on. If the MIL does not illuminate, have the system checked by an authorised Ford dealer as soon as possible.

If the MIL is constantly illuminated when driving, then this indicates the vehicle is no longer operating within the emission regulations, and the vehicle should be taken to the nearest authorised Ford dealer for inspection and repair.

If the MIL flashes at a rate of approximately one flash per second when driving, then this indicates a fault has developed that will damage the catalytic converter.

## CAUTION

Continued use when the MIL is flashing causes damage to the emissions system. Note that there is no message centre warning for MIL. Contact your local authorised Ford dealer for advice.

## Engine Coolant Temperature Gauge

## WARNINGS

Never remove the coolant reservoir cap when the engine is hot. Allow the engine to cool before removing the cap.

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

The engine coolant temperature gauge shows the temperature of the engine coolant. At normal operating temperature, the needle remains in the centre section. 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**.

Refer to 'Engine Coolant Check' in the 'Maintenance' section of this manual.

# Instrumentation

## Engine Oil Temperature (Turbocharged Vehicles Only)

Turbo vehicles have a control strategy which limits engine torque at high oil temperatures. This is noticeable as a progressive reduction in engine speed and torque. The oil warning indicator pop-up flashes until normal operating temperature is reached.

## MULTIFUNCTION DISPLAY

The contents of the Multifunction Display (MFD) screen are arranged in windows, each designed to relay real-time information to the driver.

The diagram below gives an overview of the MFD and the different window displays and their function(s). The displays are described more fully on the following pages.

### 1. Message centre



Relays useful information through pop-up icons, including lights on and low fuel warning.

### 2. Sub menu display



The driver can toggle through various items in the Submenu Display and then select the desired item into the Main Display.

### 4. Cruise control display



The desired cruise speed can be set and adjusted using this window. See Section Cruise Control for more detail.

### 3. Main display

**100**

km/hr

Speed

**100**

km/hr

↳ Overspeed OFF

Speed

**110**

km/h

110 km/h

D 199

- Displays any item selected from the Submenu Display
- Used for setting various menu items
- Displays pop-up warning items



### 5. Selected gear

Automatic vehicles only.

### 6. Odometer / Tripometers

**199**

Contains information on overall vehicle mileage, plus two optional tripometers.

# Instrumentation

## 1. Message Centre

The message centre can display the following information icons:

### Auto Headlamps On



Illuminates when lamp switch is in 'AUTO' position and the headlamps are on.

### Manual Headlamps/Park Lights On



Illuminates when lamp switch is in manual position for headlamps or park lights.

### Low Fuel Level Warning Light



Illuminates to indicate when the range is 80 km or less to empty.

### Overspeed Warning



Illuminates to show that overspeed is set and flashes when the vehicle speed exceeds the set speed. Refer to 'Set Overspeed' later in this section.

### Warnings



Illuminates if there is an issue with your vehicle. Press the 'SEL' button for further detail about the warning. Refer to 'Sub-Menu Display' section later in this section.

### ParkAid On



Illuminates when Park Aid is switched on and is currently active.

## 2. Sub-Menu Display

The sub-menu display features the following items:

### Speed

Current vehicle speed in km/h.

### Overspeed

Displays 'Overspeed' setting in km/h or 'OFF'. The 'Overspeed' function is an alert to tell the driver that a pre-determined vehicle speed has been exceeded. This setting can be adjusted or switched on or off using the 'Settings' menu. Refer to 'Set Overspeed' later in this section.

### Range

The range displays the estimated remaining travel distance before the vehicle runs out of fuel. This is a prediction based on previous driving style and is therefore to be taken only as an estimate. When the range reaches 80, 40, 20 and 0 km, the display flashes and an audible warning is sounded. The warning may be activated when the ignition is turned on and the distance to empty value is 80 km or less. The warning tone and flashing display is activated, irrespective of whether the trip data mode or the distance to empty mode is selected.

### Fuel Used (except EcoLPi)

Displays the estimated amount of fuel used since the last reset. For details on how to reset this function, refer to 'Reset All' later in this section.

# Instrumentation

## Avg Fuel Econ

Displays the average fuel consumption since the last reset. The average fuel economy is displayed in litres per 100 km. For details on how to reset this function, refer to 'Reset All' later in this section.

## Inst Fuel Econ

Displays the instantaneous economy. The instantaneous fuel consumption is displayed in litres per 100 km while the vehicle is moving. The figure may vary considerably with driving conditions (for example, vehicle speed, load, throttle position, and so on). If the vehicle is stationary, instantaneous fuel consumption is displayed in litres/hour.

## Dis to Dest

Displays the distance left to your destination.

Once set, the value decreases as you drive until 0 km is reached.

For details on how to set this function, refer to 'Setting Dis to Dest' later in this section.

## Average Speed

Displays the average speed travelled since the last reset. For details on how to reset this function, refer to 'Reset All' later in this section.

## Travel Time

Displays the travel time since last reset.

Once set, the value decreases as you drive until 0 km is reached.

For details on how to reset this function, refer to 'Reset All' later in this section.

## Audio

Displays the current audio media.

## Using the Sub-Menu Display

To scroll through the available items in the sub-menu display, use either the up or down buttons on the left-hand side of the instrument cluster.



Once the desired item is displayed in the sub-menu display, press the 'SEL' button to select it and bring it into the 'Main Display'.

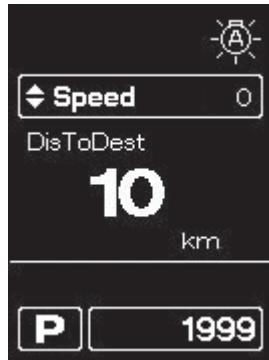


## Instrumentation

### Example:

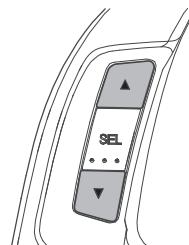
In the diagram below, the following conditions can be observed:

1. Message Centre advises that the lights are 'ON' in Auto Mode.
2. Sub-menu advises that the vehicle speed is 0 km/h.
3. 'Main Display' advises that the distance to destination is 10 km.
4. Cruise control is not selected.
5. Transmission is in Park (P).
6. Vehicle has travelled a total distance of 1999 km.

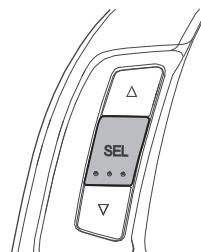


If the driver wishes to change the 'Main Display' to show current vehicle speed. To do this, first the sub-menu must be cycled through to 'Speed'.

This is done by toggling through the menu with the up or down keys. In this case, from 'Overspeed', the 'UP' button needs to be pressed once. The sub-menu now displays the word 'Speed' and the current speed in km/h.



To bring the speed item into the 'Main Display', the driver now pushes the select 'SEL' button.



# Instrumentation

It can be observed that the 'Main Display' is now showing the current vehicle speed in km/h (the vehicle is currently stationary so 0 km/h is displayed).



The 'Sub-Menu Display' now shows the overspeed item. This is because 'Overspeed' is the last item in the sub-menu list.

## 3. Main Display

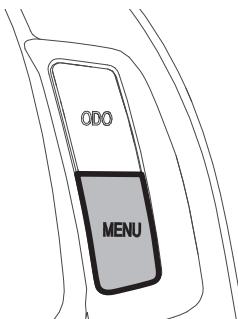
The 'Main Display' has three functions:

1. Displays any item selected from the Sub-Menu Display'. Refer to 'Using the Sub-Menu Display' previously in this section.
2. Displays the 'Settings' menu for adjustment and setting of various items Refer to 'Adjusting the Settings Menu' below.
3. Displays pop-up warnings in conjunction with dedicated lamps on the Instrument Cluster. Refer to 'Warnings' later in this section.

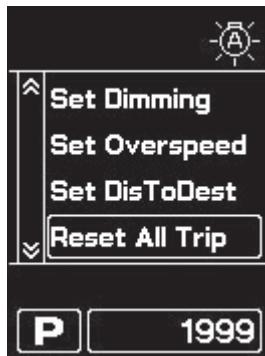
## Adjusting the Settings Menu

The 'Settings' menu is brought into the 'Main Display' by pressing the 'Menu'

button on the right-hand side of the instrument cluster.



The 'Settings' menu is displayed in the following diagram.



The items available in the 'Settings' menu are as follows:

### Set Dimming

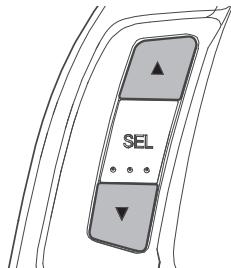
Adjusts the intensity of the dial and display illumination.

To set dimming:

**Note:** The illumination can be set up for day and for night. Set desired daytime illumination with the headlights 'OFF'; set night-time illumination with the headlights 'ON'.

# Instrumentation

- From the 'Settings' menu above, toggle to 'Set Dimming' using the up / down buttons.



- Once 'Set Dimming' is highlighted, press the 'SEL' button to select.



- The illumination can now be increased up or down in 5% increments using the up / down buttons.

Set Dimming  
**75%**

- Press 'SEL' to accept your new setting and to return to the 'Settings' menu.

## Set Overspeed

The 'Overspeed' function is an alert to tell the driver that a pre-determined vehicle speed has been exceeded. This setting can be adjusted or switched on or off using the 'Settings' menu.

To set the 'Overspeed' function:

- From the 'Settings' menu above, toggle to 'Set Overspeed' using the up / down buttons.
- With 'Set Overspeed' highlighted, press the 'SEL' button to select.
- Use the 'SEL' button to toggle 'ON' or 'OFF'.
- When 'ON', increase or decrease the 'Overspeed' setting using the up / down buttons.



The 'Overspeed' symbol will appear in the Message Centre to advise that the overspeed function is active. Press the 'MENU' button to accept and return to the 'Settings' menu.

# Instrumentation

## Set Dis to Dest

'Dis to Dest' displays the estimated distance left to your destination. To set the distance at the beginning of your journey:

1. From the 'Settings' menu above, toggle to 'Set DisTo Dest' using the up / down buttons.
2. With 'Set DisTo Dest' highlighted, press the 'SEL' button to select.
3. Use the up / down buttons to increase / decrease the distance.



4. Press the 'SEL' button to return to the 'Settings' menu.

## Reset All Trip

This function allows various items of information to be reset:

- Fuel used (not EcoLPi).
- Average Speed.
- Average Economy.
- Trip Time.

To use this function:

1. From the 'Settings' menu above, toggle to 'Reset All Trip' using the up / down buttons.



2. With 'Reset All Trip' highlighted, press the 'SEL' button to select.



3. From the 'Reset All Trip' screen, toggle through using the up / down buttons to the desired item to reset.



4. Press the 'SEL' button to reset the item.

# Instrumentation

**Note:** Toggle down to "Reset All Trip" and press the 'SEL' button to reset all items in this menu.

5. Press the 'Menu' button to return to the 'Settings' menu.

## Warnings

Displays one or more warnings should there be an issue.

Some warnings request the driver to press the 'SEL' button to display the next steps to follow.

To view warnings:

1. From the 'Settings' menu above, toggle to 'Warnings' using the up / down buttons.
2. With 'Warnings' highlighted, press the 'SEL' button to select.
3. If there is more than one warning, toggle through using the up / down buttons and press the 'SEL' button to view.
4. Follow any prompts. Press the 'Menu' button to return to the 'Settings' menu.

## Settings

Allows for up to nine functions to be adjusted or switched on or off.

**Rest Timer** - Can be set to two, three or four hours. Brings up an audio and visual reminder to the driver to take a break.



To set the 'Rest Timer' before a journey:

1. From the 'Main Settings' menu, toggle to 'Settings' using the up / down buttons.
2. With 'Settings' highlighted, press the 'SEL' button to select.
3. Toggle to 'Rest Timer' and press the 'SEL' button.
4. Toggle the desired time (two, three or four hours) or 'OFF'. Press the 'SEL' button to select.
5. Press the 'Menu' button to return to the 'Settings' menu.

**Lane Change** - When set to 'ON', a slight push of the indicator lever upwards or downwards indicates a lane change. The indicator flashes three times.

**Display Off** - Turns off the main instrument Cluster display if required.

To turn either of these items off:

1. From the 'Main Settings' menu above, toggle to 'Settings' using the up / down buttons and press the 'SEL' button.
2. Toggle to 'Lane Change' or 'Display Off' using the up / down buttons.
3. With either item highlighted, press the 'SEL' button to toggle 'ON' or 'OFF'.
4. Press 'Menu' button to return to the 'Settings' menu.

## Auto Illumination

Used to control the illumination by the auto lamp sensor. If set to 'ON', the illumination is controlled by the light sensor when lamps are either 'ON' or in 'AUTO'.

# Instrumentation

---

When set to 'OFF', the illumination is controlled by the lamps 'ON' state.

'AUTO' lamps illumination is always controlled by the sensor.

## Climate Display

Toggles pop-ups for climate information. When set to 'ON', the cluster provides an indication of a change to the climate control system. This indication is in the form of a pop-up screen that indicates the status of the climate control system. This pop-up screen provides the user with information regarding the status of the following items of the climate control system:

- Climate mode: 'OFF', Face, Floor, Face and Floor, Screen, Screen and Floor or Auto.
- Rear demist: 'ON' or 'OFF'.
- Air recirculation or fresh air.
- Air conditioning: 'ON' or 'OFF'.

## Locking

### Drive-Away Locking

When the ignition is on, drive-away locking locks all doors when the vehicle speed exceeds 12 km/h and the driver or passenger door is unlocked.

This can be manually overridden at any time using the door locks or the central unlock, but reactivates when the vehicle speed exceeds 12 km/h.

Press the 'SEL' button to select or deselect drive-away locking.

A tick appears on the MFD screen to highlight your selection.

### Lock Confirm with Indicators

'Lock Confirm with Indicators' flashes the indicators twice when the vehicle is locked using the remote key.

Press the 'SEL' button to select or deselect the 'Lock Confirm with Indicators'

### Lock Confirm with Horn

'Lock Confirm with Horn' sounds the horn when the vehicle is locked using the remote key.

Press the 'SEL' button to select or deselect the 'Lock Confirm with Horn.'

### Boot Lock

Once the ignition is turned off and locked, this disables the 'Unlock' button in the Interior Command Centre (ICC), and disables the boot buttons.

For more information on unlocking, please refer to the 'Locks and Security' section of this manual.

### Default Locking Settings

The 'Default Locking Settings' restores the factory default settings for the locking menu items.

'Default Locking Settings' can only be selected if the configuration of the locking settings deviates from the default.

Press the 'SEL' button to select 'Default Locking Settings'.

# Instrumentation

## Unlocking

### Two-Stage Unlock

Each remote key can be individually personalised to function with two-stage unlock or single-stage unlock.

Two-stage unlock allows the user to unlock the vehicle in two steps:

5. Press the 'unlock' button on the remote key to unlock the driver's door.
6. Press 'unlock' button the second time to unlock all other doors and enable boot release (where 'boot lock' is not selected).

### Single-Stage Unlock:

- Press and hold the 'Unlock' button to unlock all doors and enable boot release (where 'boot lock' is not selected)

For more information on unlocking, refer to the 'Locks and Security' section of this manual.

### Unlock Confirm with Indicators

'Unlock Confirm with Indicators' flashes the indicators once when the vehicle is unlocked, using the remote key.

Press the 'SEL' button to select or unselect 'Unlock Confirm with Indicators'.

### Default Unlocking Settings

The 'Default Unlocking Settings' restores the factory default settings for the unlocking menu items.

'Default Unlocking Settings' can only be selected if the configuration of the unlocking settings deviates from the default.

Press the 'SEL' button to select 'Default Unlocking Settings'.

## Lighting

### 'Follow-Me-Home' Lighting

When the headlights are in the 'AUTO' position, 'Follow-Me-Home' lighting allows a delay to occur when the key is removed from the ignition before the headlights turn off. Opening the driver's door initiates this delay. To set the delay times for 'Follow-Me-Home' lighting:

7. From the 'Main Settings' menu in the MFD screen, toggle to 'Settings' using the up/down buttons situated on the left-hand side of the instrument cluster.
8. With 'Settings' highlight, press the 'SEL' button to select.
9. Toggle to 'Lighting' and press the 'SEL' button to select.
10. Toggle to 'Follow-Me-Home' lighting and press the 'SEL' button to select.
11. Toggle the desired time by pressing the 'SEL' button to scroll through one, two three or four minute options, or select 'OFF'.
12. Press the 'Menu' button to return to 'Settings' menu.

Locking the vehicle via the remote key function automatically turns the headlights off, according to the selected time delay.

### Interior Lighting Settings

#### 'Always Off'

'Always Off' ensures the interior dome lamp can never be event-activated (for instance, if the door is open).

# Instrumentation

---

Press the 'SEL' button to select 'Always Off'.

## 'On with Ignition Off'

'On with Ignition Off' allows the dome lamp to turn on when the key is in the 'Ignition Off' position.

Press the 'SEL' button to select 'On with Ignition Off'.

## 'On with Key Out'

'On with Key Out' allows the dome lamp to turn on when the key is removed from the ignition barrel.

Press the 'SEL' button to select 'On with Key Out'.

## 'On with Door Open'

'On with Door Open' allows the dome lamp to turn on when any door or boot is released.

Press the 'SEL' button to select 'On with Door Open'.

## 'On with Unlock'

'On with Unlock' allows the dome lamp to turn on when the vehicle is unlocked using the remote key.

Press the 'SEL' button to select 'On with Unlock'.

## 'Default Lighting Settings'

'Default Lighting Settings' restores the factory default settings for the lighting menu items.

'Default Lighting Settings' can only be selected if configuration of lighting settings deviates from the default.

Press the 'SEL' button to select 'Default Lighting Settings'.

## Alarm (if equipped)

### 'Alarm Off'

'Alarm Off' disables the alarm and will not allow it to arm or activate. With 'Alarm Off' selected, the alarm will not arm on key-out or on remote locking. The alarm will remain inactive until the setting is toggled again.

### 'Audible'

'Audible' allows the alarm acknowledgment 'chirps' to be disabled. The alarm itself still sounds as normal.

Press the 'SEL' button to select audible 'chirps'.

Refer to the 'Locks and Security' section of this manual for more information on alarm 'chirps'.

### 'With Remote'

'With Remote' allows the alarm to be armed when the vehicle is locked using the remote key.

Press the 'SEL' button to select 'With Remote'.

### 'With Key Out'

'With Key Out' allows the alarm to be armed when the key is removed from the ignition barrel.

## 'Default Alarm Settings'

'Default Alarm Settings' restores factory default settings for the alarm settings menu.

'Default Alarm Settings' can only be selected if the configuration of the alarm settings deviates from the default.

Press the 'SEL' button to select 'Default Alarm Settings'.

# Instrumentation

## Sub-Content

Allows the driver to disable/enable the following items in the sub-menu:

- Speed
- Dist to Dest
- Overspeed
- Avg Speed
- Fuel Used
- Travel Time
- Instant Econ

**Note:** EcoLPi vehicles do not have the ability to display 'Fuel Used' information.

**Note:** Some items may not be available in all models.

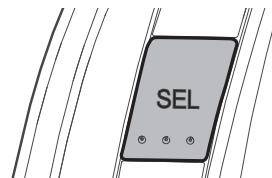
Any item that is disabled will not appear as you cycle through the sub-menu list. Refer to 'Sub-Menu Display' earlier in this section.

To disable/enable any item in the list:

1. From the 'Main Settings' menu, toggle to 'Sub-Content' using the up / down buttons.
2. With 'Sub-Content' highlighted, press the 'SEL' button to select.
3. Cycle to the desired item on the list above using the up / down buttons.
4. With the desired item highlighted, press the 'SEL' button to toggle on or off.
5. Press 'Menu' button to return to the 'Settings' menu.

**Note:** Selecting 'Enable All' turns all items in the list back on.

**Avg Speed X**



**Avg Speed ✓**

## Reset All

This function returns all screen settings to the factory default. To reset all:

1. From the 'Main Settings' menu, toggle to 'Reset All' using the up / down buttons.
2. With 'Reset All' highlighted, press the 'SEL' button to return all screen settings to the factory default.
3. Press the 'Menu' button to return to the 'Settings' menu.

## Pop-Up Warnings

### Warning Indicators (Main Display only)

If activated, these warnings are relayed to the driver in two ways:

1. A pop-up in the 'Main Display'.
2. A corresponding audio chime.

# Instrumentation

## Fuel Prime in Progress Indicator (EcoLPI)



When the ignition key is turned all the way to the 'START (III)' position or the key is turned to the 'ON (II)' position, a 'Fuel Prime in Progress Please Wait' pop-up message is displayed if fuel 'priming' delays the starter engagement for longer than 1.5 seconds. The pop-up message is cleared when the fuel priming has completed or the engine begins to crank (if a start was requested with the ignition key).

## Ready to Start Indicator (EcoLPI)



When the ignition is turned only to the 'ON (II)' position and fuel priming has completed, a 'Ready to Start' pop-up message is displayed. The pop-up message will be displayed for ten seconds and then clear. The message also clears if an engine start is requested by rotating the ignition key to the 'START (III)' position.

**Note:** The pop-up message will NOT display if an engine start was requested by rotation of the ignition key to the 'START(III)' position before the fuel prime has completed. In this case, the engine will crank and start with no pop-up message shown.

## Door Ajar Warning



Individual icons representing each door or boot or bonnet illuminates when ajar. A chime also sounds if the vehicle speed is greater than 10 km/h.

## Engine Temperature Warning



The engine temperature warning indicates when the engine temperature is too hot. A warning tone also sounds.

### CAUTION



If the temperature warning activates, switch off the engine as soon as it is safe to do so. Do not continue to drive the vehicle as damage may result. Inspect for broken or loose drive belts and leaking engine coolant (with the engine off). Visually inspect the coolant level in the coolant supply tank and top up if required.

The air conditioning shuts down when the temperature warning light illuminates. Refer to 'Fail Safe Cooling' in the 'Maintenance' section of this manual..

## Transmission Not in Park



Indicates that the transmission is not in Park when the key is off and the driver door is ajar.

## Turn Signal Lamp Failure Warning



Indicates one of the turn signal bulbs has failed. The bulb must be replaced with one of the same wattage. Refer to the 'Maintenance' section of this manual for further information.

## Turn Indicators Left On



Indicates that the turn indicators have been left on for a distance of more than 3.2 km.

## Oil Pressure Warning Indicator



The oil pressure warning indicator illuminates when the ignition is first turned on or the

# Instrumentation

oil pressure or oil level falls below an acceptable level.

If the oil pressure warning indicator illuminates after the engine is running above idle, stop the engine immediately and check the engine oil level. If the oil level is low, top up with the specified oil straight away.

## CAUTION

 If the oil pressure warning indicator has illuminated and the oil level is correct, do not restart the engine. Have the engine checked by an authorised Ford dealer.

## Rest Reminder



Indicates the period of time the vehicle has been running as set in the 'Settings' menu.

## Headlamp Fault



Indicates a fault in the headlamp system. Have the vehicle checked by an authorised Ford dealer as soon as possible.

## Cruise Control Unavailable



Illuminates when cruise control is unavailable.

## Check Engine



Illuminates when engine check is required. Have the vehicle checked by an authorised Ford dealer as soon as possible.

## Reverse Sensing System Inactive



Indicates that (if equipped) the Reverse Sensing System (RSS) is inactive; for example, due to

a trailer plug engaged or sensors being obstructed.

## Reverse Sensing System (Park Aid) Off



A 'Park Aid Off' message will display temporarily when the front and rear sensing systems have been turned off.

## Reverse Sensing System Fault



Indicates that (if equipped) the RSS has a fault and is not functioning.

## System Comms Fault



Indicates that there is a vehicle electrical fault and that one or more electronic systems may not be functioning. Have the vehicle checked by an authorised Ford dealer as soon as possible.

## Automatic Transmission Fail Indicator



Indicates that the automatic transmission has detected an internal fault. Have the vehicle checked by an authorised Ford dealer as soon as possible.

## Transmission Overheat



Indicates that the transmission has overheated. Have the vehicle checked by an authorised Ford dealer as soon as possible.

## Charging System Fault



Illuminates with a description of the fault. Have the vehicle checked by an authorised Ford dealer as soon as possible. If low battery warning is illuminated when the engine is

# Instrumentation

not running, turn off all electrical loads (radio, headlamps, and so on) as there is a risk that the vehicle may not start.

## 4. Cruise Control Display

The desired cruise speed can be set and adjusted using the Multifunction Display. Refer to the 'Cruise Control' section of this manual..

## 5. Selected Gear

This symbol is only available on vehicles with automatic transmissions.



The symbol indicates which gear is currently selected (in this example 'D' or Drive).

Other examples are:



Park.



Reverse Gear.



Neutral Gear.



Performance Mode.



Third Gear (Manual Mode).

For more details on how to use the automatic transmission, refer to the 'Transmission' section of this manual.

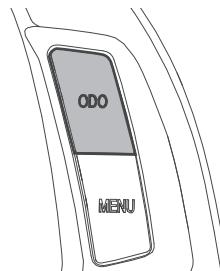
## 6. Odometer/Tripmeters

Your vehicle is equipped with one odometer and two tripometers.

The odometer records the total distance travelled by the vehicle in km.



Press the 'ODO' button to cycle from the odometer to Trip A, from Trip A to Trip B and from Trip B back to the odometer.



The tripmeters are useful for recording individual journey distances in km.



To reset either tripmeter, press and hold the 'ODO' button for approximately two seconds.



# Climate Control

## CLIMATE CONTROL

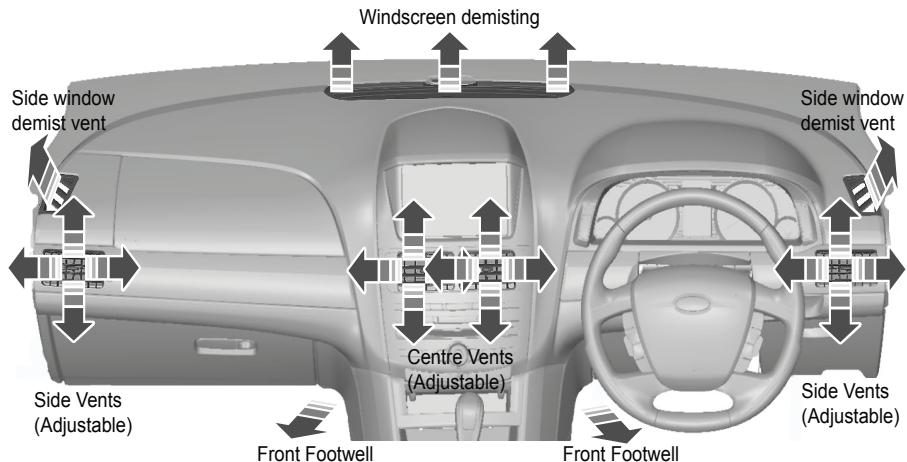
Your sedan is equipped with an Automatic Climate Control (ACC) system. Sensors monitor cabin, ambient air and engine temperatures. A sun-load sensor measures the strength of direct sunshine on the interior of the vehicle. A microcomputer constantly processes this information and, with the climate control in 'AUTO' mode, uses it to closely control the climate within the vehicle.

It is recommended that the system is left in 'AUTO' mode for optimum driver and passenger comfort. The 20-24°C temperature range is recommended to satisfy most users. The temperature may be adjusted up or down if required.

The ACC system may be overridden at any time to address a specific condition; for example pressing the 'Demist' button to clear a fogged windscreen. However, it is recommended to return and remain in 'AUTO' mode whenever possible for optimum comfort.

## AIR DISTRIBUTION

The air flow volume and direction can be regulated with the controls on the instrument panel and by adjusting the instrument panel vents.



# Climate Control

## Instrument Panel and Rear Console Adjustable Vents

The air flow can be turned on or off with the rotary controls at the side of the vents. The vents can be adjusted from fully open (top detent position) to full closed (bottom detent position).

The direction of the air flow can be adjusted horizontally and vertically within the swivelling range of the air vanes and vents.



## Distribution Modes

**Note:** Distribution modes can only be selected with the ignition on.

### Face Level



Air is directed to the adjustable instrument panel face vents and the centre console vents (for rear seat passengers). The vents may be adjusted for direction and flow or may be individually closed if desired.

### Face Level/Footwell



Air is directed to the adjustable instrument panel face vents, centre console vents (for rear-seat passengers) and front footwell vents.

If heating is selected, heated air is directed to the front footwell and centre console vents and partially heated air is directed to the face level vents. The warmer the setting, the warmer the air directed to the face and front footwell. However air to the face vents is always somewhat cooler than to the footwell/centre console vents when heating is between minimum and maximum temperature settings.

If full cooling is selected, cool air is delivered to face, footwell and centre console vents.

### Windscreen Demist



When windscreen demist mode is selected, the A/C and fresh modes are automatically selected for glass demisting. Also, the blower fan automatically starts if the fan was not already running.

Windscreen demist mode is the most efficient setting for demisting the windscreen and side windows. This mode automatically controls the heat and fan settings. If further demist performance is needed, the temperature set point should be raised and the fan speed increased. When the glass is demisted, press the 'AUTO' button to return to automatic climate control.

**Note:** A/C and fresh air mode can be manually overridden, but demist efficiency will be reduced.

### Windscreen Demist/Footwell



Air is directed to the windscreen and side-window vents to aid in demisting. Air is also directed to the front footwell vents and centre console vents (for rear-seat passengers).

# Climate Control

## Footwell



Air is directed to the front footwell vents, centre console vents (for rear seat passengers) and a small amount is also directed to the windscreen and side-window vents to reduce glass misting or fogging.



In normal circumstances, the fresh air mode should be selected to maintain the quality of air inside the vehicle, to prevent the build-up of stale air or odours and to reduce windscreen misting. To ensure optimum air quality, it is not advisable to select recirculated air mode for extended periods of time.

## FRESH/RECIRCULATED AIR

### Automatic Climate Control Operation (recommended)

If the system is in 'AUTO' mode, the automatic climate control manages the changes between fresh-air mode and recirculated-air mode to optimise cabin comfort. It is advised that the vehicle be left in automatic mode, at the desired temperature. The system maintains the interior temperature depending on the conditions.

However if you wish to change the temperature, you can use the SYNC® touch screen or use the Voice Command option.

**Note:** For details on the touchscreen and voice command options, refer to your SYNC® manual.

### Manual Operation



Pressing this button alternates between fresh and recirculated air modes. A graphic indicating the selected mode appears on the SYNC® screen.



To prevent odours or fumes from entering the cabin, select the recirculated air mode. The recirculated air mode can also be used to allow the air conditioner to more effectively cool the vehicle's cabin. Do not use the recirculated air mode if the vehicle occupants are smoking, as tobacco odours may remain.

Your air selector system is fitted with a fine mesh filter to exclude leaf debris, dust and dirt. A pollen filter is also available, as an accessory item, from your authorised Ford dealer.

### WARNING



Extended operation of the climate control system in recirculated air mode may lead to a reduction in air quality in the cabin. The air in the cabin should be periodically refreshed by selecting fresh air mode.

**Note:** Under some weather conditions, use of the recirculated air mode may lead to glass misting or fogging. 'Windscreen Demist' mode is the most efficient setting for demisting the windscreen and side windows. This mode automatically controls the heat and fan settings. If further demist performance is needed, the temperature set point should be raised and the fan speed increased.

# Climate Control

**Note:** If the recirculated air graphic is displayed continuously on the SYNC® screen with no other climate control graphic displayed, irrespective of any climate control selections, a climate control electrical fault has occurred. In this event, please contact your authorised Ford dealer.

## Heated Rear Window Demister



With the ignition 'ON', press the button to turn the demister on. The graphic on the Interior Command Centre (ICC) display screen appears. To turn off, press the button again, otherwise the demister will automatically turn itself off after approximately fifteen minutes.

## Windscreen Demist



In the event that fast demisting of glass is required, press the 'Demist' button. Air is directed to the windscreens and side window vents. The air conditioner and blower fan will operate, fresh air mode will be selected and heating will be used (if the engine is warm). When the glass is demisted, press the 'AUTO' button to return to automatic climate control.

## Outside Air Temperature

A sensor located under the passenger-side exterior mirror monitors outside air temperature. This is displayed in degrees celsius on the SYNC® screen.

Correct operation of the sensor relies on air moving across the sensor. Therefore, at low vehicle speed, or when operating the vehicle for a short period of time, the display may differ slightly from the true outside air temperature.

**Note:** The outside air temperature displayed is an approximate temperature indication only.

## Sun Load Measurement

The dual-zone automatic climate control includes a sun-load sensor located centrally on the top surface of the instrument panel, very close to the windscreens. This sensor measures the strength of direct sunshine on the interior of the vehicle.

### CAUTION

Do not cover the sun-load sensor with a dash mat or other item, as this will prevent the optimum performance of the automatic climate control system.

# Climate Control

## AIR CONDITIONING - GENERAL NOTES

**Note:** *The air conditioner only operates with the engine running.*

### CAUTION

 Beware of the addition of non-Ford approved accessory items located in front of the bumper or grille openings (for example, Fog lights, winch or water bag, etc). Any items which restrict the air flow through the grille at the front of the car may have a detrimental impact on air conditioning performance and/or engine cooling.

- Apart from cooling the air entering the cabin, the air conditioner dehumidifies the air, assisting in glass demisting; especially with the fresh-air mode selected.
- If the vehicle has been parked in direct sunlight, open the windows to allow warm air to escape for a few minutes before operating the air conditioner.
- Switch the blower fan off if the engine is not running to prevent possible power drain.

**Note:** *It is normal for the A/C to discharge water from the A/C drain tube located under the vehicle near the transmission; especially in humid weather.*

**Note:** *Operate the air conditioner for at least five minutes every week to prevent the system seals from drying out.*

## Air Conditioning Servicing

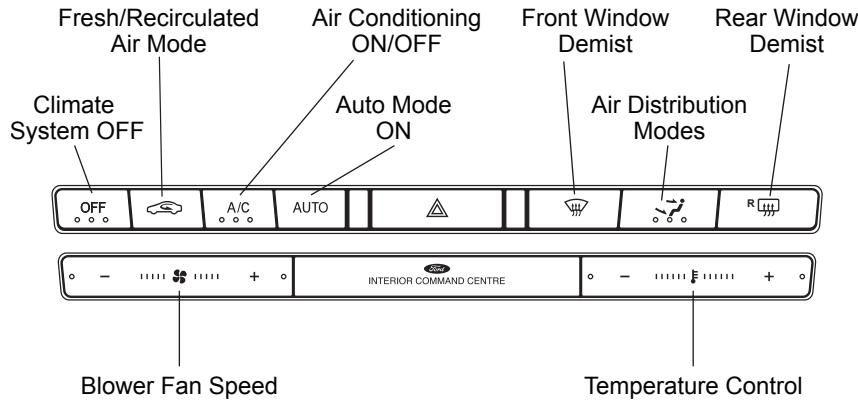
Have the air conditioning system checked, and serviced if necessary, in both hot and cold seasons by an authorised Ford dealer.

## Preserving the Ozone Layer

The refrigerant used in your Ford air conditioning climate control system is Hydro Fluoro Carbon (HFC) R134a. This refrigerant contains no Chloro Fluoro Carbons (CFCs). Ford uses R134a to help prevent depletion of the ozone layer and preserve the earth's atmosphere and the environment.

# Climate Control

## SINGLE-ZONE AUTOMATIC CLIMATE CONTROL SYSTEM



**Note:** For further information on single-zone climate control, refer to the SYNC® manual.

# Climate Control

It is recommended that the single-zone automatic climate control system is left in 'AUTO' mode at all times for optimum driver and passenger comfort.

- Sensors monitor cabin, ambient air and engine temperatures.
- A sun-load sensor measures the strength of direct sunshine on the interior of the vehicle.
- A microcomputer constantly processes this information and, with the climate control in 'AUTO' mode, uses it to closely control the climate within the vehicle.

The 20-24°C temperature range is recommended to satisfy most users. The temperature may be adjusted up (to a limit of 30°C) or down (to a limit of 18°C) if required.

## Automatic Operation

After starting the engine, if 'OFF' is displayed on the SYNC® screen, press the 'AUTO' button to turn the system on.



Adjust the comfort level to the desired temperature using the temperature control button.



After starting the engine, if 'AUTO' is displayed, the system automatically adjusts to the selected comfort level without any further assistance. 'AUTO' mode automatically controls air inlet, air distribution, fan speed, air conditioning and temperature.

From time to time, it may be noticed that the air distribution mode and fan speed vary. This is the system's normal method of operation whereby it selects the mode of air inlet, air distribution and fan speed most appropriate to maintain the selected comfort setting.

When starting the vehicle on a cold day with a cold engine, air discharge is delayed until the engine begins to reach operating temperature. Simultaneously, the blower fan speed increases to assist warm air circulation throughout the cabin. As the interior air warms to the preselected comfort setting, the mode is automatically selected to best achieve the comfort level and the fan speed then decreases.

Similarly, during high cabin temperature conditions, the blower fan speed increases and the A/C operates at maximum performance to quickly reduce the interior temperature.

The 'OFF' button turns the automatic climate control system off, but allows fresh air to enter the cabin through the instrument panel vents.



## Single-Zone Temperature Control

The temperature may be adjusted by pressing the temperature control button in the appropriate direction until the desired temperature is achieved.



# Climate Control

The selected temperature is displayed on the SYNC® screen. The temperature can be set between the range of 18°C and 30°C, in 0.5°C increments. If a temperature below 18°C is selected, then 'LOW' is displayed. If a temperature above 30°C is selected, then 'HIGH' is displayed.

Selection of 'H' (HIGH) sets and holds the air temperature to maximum heating. Selection of 'C' (LOW) sets and holds the air temperature to maximum cooling for both driver and passenger.

Cabin comfort level may not be maintained when 'H' or 'C' is selected for extended periods.

The rear console vent outputs correspond to all climate control panel outputs as set by the ICC.

**Note:** *The heater maintains warmth only when the engine is operating. Full heating is only available when the engine is at normal operating temperature.*

**Note:** *The air conditioner only operates with the engine running.*

## Distribution Mode Selector



This button may be used to direct the air to particular groups of outlet vents. Press the button repeatedly to cycle through the various distribution options until the desired setting is shown in the SYNC® screen. Information on distribution modes can be found earlier in this section.

## Air Conditioning



Press the 'A/C' button to toggle the air conditioner on/off.

**Note:** *If the blower fan is off and A/C is turned on, the fan automatically comes on.*

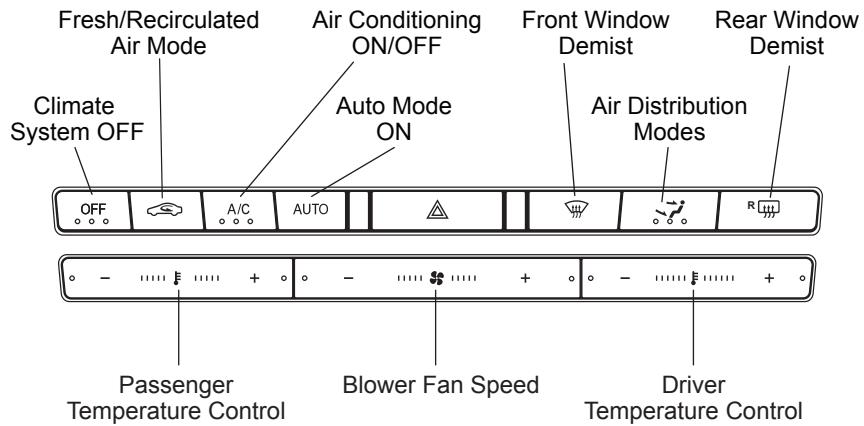
**Note:** *If the climate control system is 'OFF' and the A/C is turned 'ON', the system starts in 'AUTO' operation at the last selected temperature setting.*

**Note:** *The air conditioner only operates with the engine running.*

At most ambient conditions, maximum cooling efficiency is automatically achieved in 'AUTO' mode. However, maximum cooling can also be obtained by overriding 'AUTO' operation and selecting recirculated air, face vents and lowest set temperatures.

# Climate Control

## DUAL-ZONE AUTOMATIC CLIMATE CONTROL SYSTEM (if equipped)



**Note:** For further information on dual-zone climate control, refer to the SYNC® manual.

# Climate Control

It is recommended that the dual-zone automatic climate control system is left in 'AUTO' mode at all times for optimum driver and passenger comfort. Sensors monitor cabin, ambient air and engine temperatures. A sun-load sensor measures the strength of direct sunshine on the interior of the vehicle. A microcomputer constantly processes this information and, with the climate control in 'AUTO' mode, uses it to closely control the climate within the vehicle.

The 20-24°C temperature range is the recommended setting for most users. Driver and front passenger have independent comfort settings.

The temperature on either side of the cabin may be adjusted up (to a limit of 30°C) or down (to a limit of 18°C) if required.

**Note:** *The dual-zone ACC has capability of adjusting independent side-to-side temperature only. Air distribution mode and fan settings cannot be independently adjusted between the two sides of the vehicle.*

## Automatic Operation

After starting the engine, if 'OFF' is displayed on the SYNC® screen, press the 'AUTO' button to turn the system on.

AUTO

Adjust the comfort level to the desired temperature using the temperature control buttons for either side of the cabin.



After starting the engine, if 'AUTO' is displayed, the system automatically adjusts to the selected comfort level without any further assistance. 'AUTO' mode automatically controls air inlet, air distribution, fan speed, air conditioning and temperature.

From time-to-time, it may be noticed that the air distribution mode and fan speed vary. This is the systems normal method of operation, whereby it selects the mode of air inlet, air distribution and fan speed most appropriate to maintain the selected comfort setting.

When starting the vehicle on a cold day with a cold engine, air discharge is delayed until the engine begins to reach operating temperature. Simultaneously, the blower fan speed will increase to assist warm air circulation throughout the cabin. As the interior air warms to the preselected comfort setting, the mode is automatically selected to best achieve the comfort level and the fan speed then decreases.

Similarly, during high-cabin temperature conditions, the blower fan speed increases and the A/C operates at maximum performance to quickly reduce the interior temperature.

The 'OFF' button turns the automatic climate control system off, but allows fresh air to enter the cabin through the instrument panel vents.

# Climate Control

## Semi-Automatic Operation

If desired, you may override the automatic control system and operate some features manually (such as fan speed and air distribution). Manually selecting such features when in 'AUTO' mode changes the system to 'Semi-Auto'. Full automatic control can be resumed at any time by pressing the 'AUTO' button. Optimum comfort can be best achieved in 'AUTO' mode.

## Dual-Zone Temperature Control

Dual-zone temperature control allows the driver and front passenger to set independent air temperatures according to personal preference.



The temperature may be adjusted for each side by pressing the temperature control button in the appropriate direction until the desired temperature is achieved.

The selected temperature for either side is displayed on the corresponding side of the SYNC® screen. The temperature for either side can be set between the range of 18°C and 30°C, in 0.5°C increments. If a temperature below 18°C is selected, then 'LOW' is displayed. If a temperature above 30°C is selected, then 'HIGH' is displayed.

The automatic temperature control may be overridden by selecting 'H' (HIGH) or 'C' (LOW) from the driver temperature setting button. This action will cause the passenger set temperature to match the driver's selection of 'H' or 'C'.

**Note:** Cabin comfort level may not be maintained when 'H' or 'C' is selected for extended periods.

## Dual-Zone Temperature Linking

Dual-zone temperature control linking occurs when the passenger temperature automatically follows the driver's temperature setting.

Linking is activated by any one of the following conditions:

- Pressing and holding the 'AUTO' hard button below the air register, for at least two seconds.
- If the driver and passenger temperature settings are identical prior to switching the ignition key 'OFF'.

## Dual-Zone Temperature Unlinking

The passenger may unlink the temperature setting at any time by using the passenger temperature control button.



**Note:** The rear-console vent outputs correspond to all climate control panel outputs as set by the driver or front passenger.

**Note:** The heater maintains warmth only when the engine is operating. Full heating is only available when the engine is at normal operating temperature.

## Climate Control

### Distribution Mode Selector



This button may be used to direct the air to particular groups of outlet vents. Press the button repeatedly to cycle through the various distribution options until the desired setting is shown in the SYNC® screen.

Information on distribution modes can be found earlier in this section.

### Air Conditioning



Press the 'A/C' button to toggle the air conditioner on/off.

**Note:** If the blower fan is off and A/C is turned on, the fan automatically comes on.

**Note:** If the climate control system is 'OFF' and the A/C is turned 'ON' the system starts in 'AUTO' operation at the last selected temperature setting.

**Note:** The air conditioner only operates with the engine running.

At most ambient conditions, maximum cooling efficiency is automatically achieved in 'AUTO' mode. However, maximum cooling can also be obtained by overriding 'AUTO' operation and selecting recirculated air, face vents and lowest set temperatures.

### Blower Fan Speed Selector



The blower fan speed selector is used to adjust the blower fan speed. To turn the fan off completely, press the 'OFF' button.

**Note:** The blower fan will only operate with the ignition in the 'ON' position.

# Seats

## SEATING

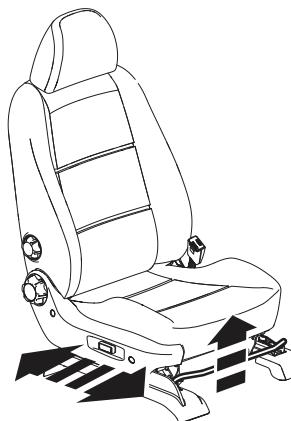
### WARNINGS

-  Do not adjust the seats while the vehicle is moving.
-  Reclining the seatback can reduce the effectiveness of the seat's seatbelt in the event of a collision.
-  It is extremely dangerous to ride in the cargo area inside or outside the vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed. Do not allow people to ride in any area of the vehicle that is not fitted with seats and seatbelts. Be sure everyone in your vehicle is in a seat and is using a seatbelt properly.
-  Ensure that all parts of passengers are inside the vehicle when in motion.

### Moving the Front Seats Forwards or Backwards (seats with mechanical adjustment)

### WARNING

-  Ensure seat is latched correctly before carrying passengers.
- Pull the bar up to release the lock mechanism. Release the bar and rock the seat backward and forward to lock into the new position.



### Adjusting the Angle of the Front Seat-Backs



Turn the hand wheel to adjust the tilt of the seat-back.

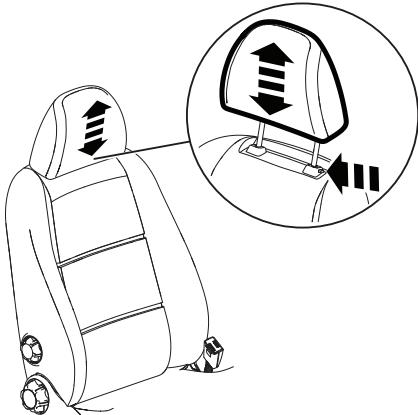
# Seats

## Adjusting the Lumbar Support (if equipped)



Turn the hand wheel to adjust the lumbar support.

## Head Restraints



To raise, pull the head restraint up to the desired position.

To lower, push the release button and lower the head restraint to the desired position. Make sure the head restraint engages properly when in position.

The head restraint should be located so that the top of the head restraint is level with the top of your head for optimum support, in the event of an impact.

To remove the head restraint, locate the hidden release feature and press and hold using a suitable tool, whilst raising the head restraint.

To replace, press the button and push the head restraint back into position.

## Electrically Adjustable Seat Base (if equipped)



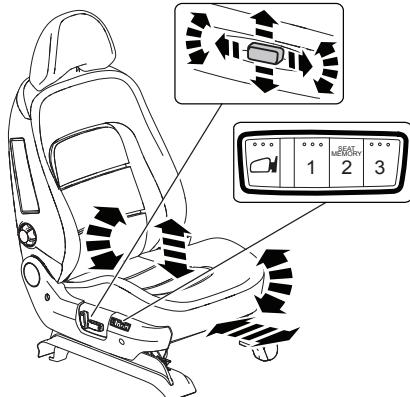
To adjust the seat, push the corresponding section of the adjustment button in the desired direction of adjustment:

- Push forward to move seat forward.
- Push backward to move seat back.
- Lift up rear of switch to move rear of seat base up.

# Seats

- Push down rear of switch to move rear of seat base down.
- Lift up front of switch to move front of seat base up.
- Push down front of switch to move front of seat base down.

## Driver Seat and Exterior Mirrors Memory (if equipped)



The seat memory system enables five driver seat and exterior mirror positions to be programmed and recalled. Two of these positions are stored and recalled through the remote keypads, and an additional three manual positions can be programmed and selected using the buttons on the side of the seat.

### Storing Memory Positions

To store a memory position on the seat-mounted memory position buttons one, two or three, put the key in 'ACC' position and set the seat and mirror positions as required.

Press and hold a preset button for two seconds. A double chime sounds

confirming memory storage.

**Note:** *Seat memory recall is disabled when the ignition is in the 'ON' position.*

Each of the two remote keypads can store one setting for seat and mirror positions. When using the remote keypad to unlock and enter the vehicle, any position changes then made to the seat, mirrors or mirror dip on/off enabled status can be recalled and then automatically saved to that remote keypad upon locking.

### Recalling Memory Positions

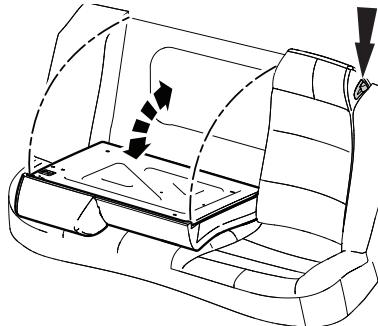
Memory positions can be recalled by either:

- Briefly pressing one of the three memory buttons located on the seat base. A single chime sounds indicating position has been recalled.
- Entering the vehicle using one of the two programmed remote keypads. The two remote keypads can each have an individual setting.

# Seats

## REAR SEATS

### Folding the Rear Seat-Backs



One or both rear seat-backs can be folded down to increase cargo space. Release the button on the outer side of the headrest to fold the rear seat-back down.

#### WARNING

 When returning the seat-back to its original position, ensure it is securely latched by attempting to pull it down again. An unlatched seat may become dangerous in the event of a sudden stop or collision.

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

 Make sure that the seats and the seat-backs are secure and fully engaged in their catches.

 When folding the seat-backs up, ensure that the belts are visible to an occupant and not caught behind the seat.

### Transporting Luggage with the Rear Seatback(s) Folded Down

When transporting cargo or luggage with the rear seat-back(s) folded down, articles should not be packed higher than the front seat-backs and should be secured in place with a luggage net (or similar) to prevent them from becoming dangerous projectiles in the event of a sudden stop or collision.

Do not place heavy objects on the lowered seat-backs.

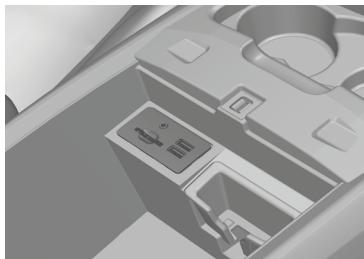
# Convenience Features

## POWER OUTLET 12V

There is one 12 Volt (V) power outlet located below the Interior Command Centre (ICC). It is provided for the connection of accessory mobile phone, fax, or other 12V devices. The ignition must be in the 'ACC' or 'ON' position for operation.

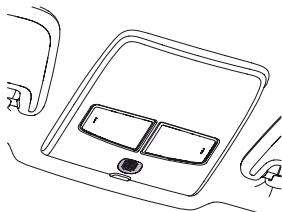
## AUXILIARY AND USB INPUTS

There is one 3.5mm audio auxiliary input jack, two USB input sockets and an SD card slot located in the centre console compartment bin or below the audio control buttons in the ICC. These inputs are provided for the connection of MP3 or other audio devices. Refer to your SYNC® manual for further details.



## Microphone Position

Your Bluetooth® microphone is located in the overhead console and is optimised for the driver.



## CAUTION

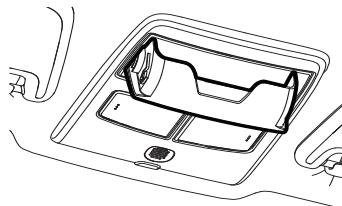
! Foreign objects must not be inserted into the audio auxiliary input jack as they may cause internal damage. The audio auxiliary input jack can only accept a standard 3.5mm input plug.

! Handle the SD card with care to avoid contamination or damage. Never touch the metal contacts. Do not clean the SD card with anything other than a soft cloth. Never attempt to use an SD card that has been cracked, deformed or repaired using adhesive, as doing so may damage the equipment. Do not put on any sticker or write anything on the SD card. Do not attempt to alter the data contained on the SD card in any way.

Ford and its suppliers are not responsible for any damage caused to the SD card by misuse, or for any resulting failure of the SD card to operate as intended.

## OVERHEAD CONSOLE (if equipped)

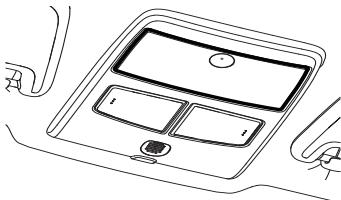
### Opening



Press the latch mechanism and carefully lower the door down to the fully open position.

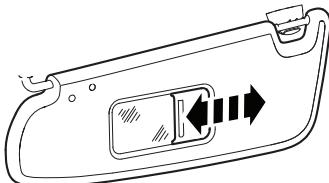
# Convenience Features

## Closing



Raise the door and push up until locked into position.

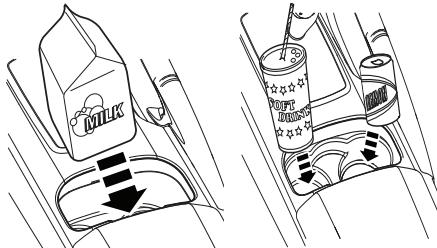
## SUN VISORS



The sun visors can be released from their retaining clips and swivelled towards the side windows. The vanity mirrors may be fitted with sliding covers.

## CUP HOLDERS

### Cartons



The cup holders have a centrally located insert. When this insert is removed, the cup holder will accommodate small drink cartons.

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

### Soft Drink Cans, Bottles and Cups

With the central insert in place, the cup holders hold most large drink containers in either of the larger sections on either side of the holder, separated by the central insert. Place drink containers into the holder gently but firmly.

Do not use excessive force or jamming may occur.

## FLOOR MATS

### WARNINGS

⚠ Always use floor mats that are designed to fit the footwell of your vehicle. Only use floor mats that leave the pedal area unobstructed. Only use floor mats that are firmly secured to retention posts so that they can't slip out of position and interfere with the pedals, or impair safe operation of your vehicle in other ways.

⚠ Always make sure that the floor mats are properly attached to the retention posts in the carpet that are supplied with your vehicle. Floor mats must be properly secured to both retention posts to ensure mats do not shift out of position.

⚠ Never place floor mats or any other covering in the vehicle footwell that can't be properly secured to prevent them from moving and interfering with the pedals, or the ability to control the vehicle.

⚠ Never place floor mats or any other covering on top of already installed floor mats. Floor mats should always rest on top of vehicle carpeting

## Convenience Features

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surface and not another floor mat or other covering. Additional floor mats or any other covering reduce the pedal clearance and potentially interfere with pedal operation.

 Check attachment of floor mats on a regular basis. Always properly reinstall and secure floor mats that have been removed for cleaning or replacement.

 Always make sure that objects cannot fall into the driver footwell while the vehicle is moving. Objects that are loose can become trapped under the pedals causing a loss of vehicle control.

 Failure to properly follow floor mat installation or attachment instructions can potentially cause interference with pedal operation, causing loss of control of vehicle.

 To install floor mats, position the floor mat so that the eyelet is over the retention post, and press down to lock in.

 To remove the floor mat, reverse the installation procedure.

 Pedals that can't move freely can cause loss of vehicle control and increase the risk of serious personal injury.

# Starting the Engine

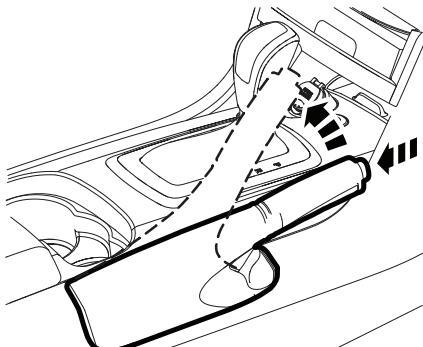
## STARTING THE ENGINE

### WARNINGS

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

**!** Extended idling at high engine speeds can produce very high temperatures in the engine and exhaust system, creating the risk of fire or other damage.

**!** If you smell exhaust fumes inside your vehicle, have your authorised Ford dealer inspect your vehicle immediately. Do not drive if you smell exhaust fumes. For all vehicles, ensure the park brake is firmly applied before attempting to start the engine.



### Manual Transmission

Depress the clutch pedal fully, select neutral and apply the foot brake. Do not depress the accelerator pedal.

Turn the ignition key to the 'START' position until the engine fires, then release.

Do not operate the starter for more than ten seconds. If the engine stalls or falters in starting, wait five to ten seconds before attempting to restart.

### Automatic Transmission

Vehicles with automatic transmission are equipped with a 'One Touch Start' system.

Select Neutral (N) or Park (P) and apply the foot brake. Do not depress the accelerator pedal. Turn the ignition key to the 'START' position and release. The starter motor cranks automatically until the engine starts.

Vehicles equipped with a 'One Touch Start' system may be forced to crank for a longer period by holding the key in the 'START' position. This should only be necessary in emergency situations; for example if the vehicle has run out of fuel and needs to be re-primed.

If the vehicle is flashing between 'P' and 'N' on the centre cluster, and the 'One Touch Start' fails to work, it may be possible to start the vehicle using the normal cranking method, provided both the hand brake and foot brake are applied. The vehicle should be taken to an authorised dealer for inspection and/or repair.

If the starter motor fails to respond at all, your vehicle may be immobilised. Your vehicle will need to be taken to an authorised Ford dealer for repair.

### EcoLPi Vehicles

These vehicles have a delay between the ignition key being rotated to the 'START (III)' position (and released) and the starter motor cranking the engine. This delay is to allow for fuel priming. If this delay is longer than 1.5 seconds, you

# Starting the Engine

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are shown a pop-up message to wait. The engine starts automatically, once the message clears.

**Note:** *The starting sequence may be stopped at any time by turning the ignition key back to the 'Accessory (I)' or the 'OFF(0)' position.*

**Note:** *The starter motor may be forced to engage early and crank the engine during the start priming delay by rotating the key to the start position a second time. However, in this starter override mode, the engine will not start until the fuel system priming is complete.*

Therefore the cranking time will be increased from that of a normal delayed crank start (One Touch Start).

## FUEL PRIMING (EcoLPi only)

When you open your vehicle, the electronic engine control system will be 'woken up'. At this point a clicking noise may be heard from the vehicle.

When the driver door is opened or closed, the fuel system is made ready for an engine start. This may require a fuel system 'Prime' to deliver liquid fuel to the engine. You may at this point hear a click and the fuel pump running.

**Note:** Under some conditions, the pump may run for eight seconds when the driver door is opened or closed. On other occasions, it may not need to run at all.

When the ignition key is turned all the way to the 'START (III)' position and released ('One Touch Start' mode), the fuel system begins an additional prime, but the engine will not begin to crank until all priming is complete.

**Note:** *The time taken to prime the EcoLPi fuel system may be longer than a petrol engine.*

When the prime is complete, the starter motor is then automatically engaged and the engine begins to crank and start.

An instrument cluster pop-up message, 'FUEL PRIME IN PROGRESS PLEASE WAIT' is displayed if the fuel system priming takes longer than 1.5 seconds. While this message is displayed, the engine will not crank.

**Note:** *If during fuel system priming the ignition key is turned to the 'OFF (0)' position, the priming procedure will be aborted and the fuel pump will stop.*

**Note:** *If the ignition key is rotated to the 'ON (II)' position, and NOT to the 'START (III)' position, the fuel priming occurs as above, but engine cranking will not take place when priming is complete. An instrument cluster pop-up message 'READY TO START' is displayed instead.*

## Engine Idle Speed after Starting

The speed at which the engine idles immediately after starting varies, depending on the engine temperature. If the engine is cold, the idle speed automatically increases in order to heat the catalytic converter as quickly as possible. This makes sure that vehicle emissions are kept to an absolute minimum. The idle speed slowly decreases to the normal level as the catalytic converter warms up.

# Fuel and Refuelling

## SAFETY PRECAUTIONS

### WARNINGS

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

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

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

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

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

 Do not operate the vehicle if there are signs of engine misfire or noticeable loss of performance.

 Do not attempt to start the engine if you have filled the fuel tank with the incorrect fuel. This could damage the engine. Have your vehicle checked by an authorized dealer immediately.

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



If you use a high-pressure spray to wash your vehicle, only spray the fuel filler flap briefly from a distance not less than 200 mm (8 inches).



We recommend that you wait at least ten seconds before removing the fuel nozzle to allow any residual fuel to drain into the fuel tank.



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

## PETROL VEHICLES

### Fuel Quality

#### WARNINGS

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

 If you should inadvertently add lead replacement fuel to the fuel tank, do not start the engine (even if only a small amount of the fuel was added). The fuel causes permanent damage to the catalytic converter. Contact your nearest authorised Ford dealer immediately for advice.

 Do not use leaded petrol or petrol with additives containing other metallic compounds (for example, manganese-based). They could damage the emission system.

**Note:** We recommend that you use only high-quality fuel. The use of additives or other engine treatments not approved by Ford is not recommended.

# Fuel and Refuelling

## Fuel Octane Requirements

- For **I4 Ecoboost** and **I6 non-Turbo** vehicles, use unleaded petrol with a minimum octane rating of **91 (RON)**. Premium unleaded petrol with a minimum octane rating of 95 (RON) is recommended for enhanced performance, fuel economy and trailer towing.
- For **V8** vehicles, use only premium unleaded petrol with a minimum octane rating of **95 (RON)**.
- For **I6 Turbo** vehicles, premium unleaded petrol with a minimum octane rating of **95 (RON)** is recommended. For optimum performance, premium unleaded petrol with a minimum octane rating of 98 (RON) is recommended. I6 Turbo vehicles can use unleaded petrol with a minimum octane rating of 91 (RON), however some minor loss of performance and economy will be noticed.
- Fuels containing up to **10% Ethanol** (E10 grain alcohol) may be used. Ensure the fuel has octane ratings no lower than those recommended for unleaded fuel. Most drivers will not notice any operating difference with fuel containing ethanol. If a difference is detected, the use of conventional unleaded fuel should be resumed

## Fuel Tank Capacity

The fuel tank capacity for all petrol sedans is **68 litres**.

## Refuelling Petrol Vehicles

### WARNINGS



When refuelling, always switch off the engine and never allow sparks or open flames near the filler neck. Never smoke whilst refuelling. Switch off mobile phones. Fuel vapour is extremely hazardous under certain conditions. Care should be taken to avoid inhaling excess fumes.



The fuel system may be under pressure. If the fuel cap is venting vapour or if you hear a hissing sound, wait until it stops before completely removing the cap. Otherwise fuel may spray out and injure you.



Fully insert the filler nozzle into the neck of the filler pipe. After refuelling, replace the cap until the ratchet is engaged for at least two clicks and close the fuel door.



It is important that the fuel tank is not filled beyond its designed level by trickle feeding after the first click of an automatic filler gun (when fully inserted). If no space is allowed for fuel expansion, spillage may occur during fueling, or the fuel emission system may not operate correctly.

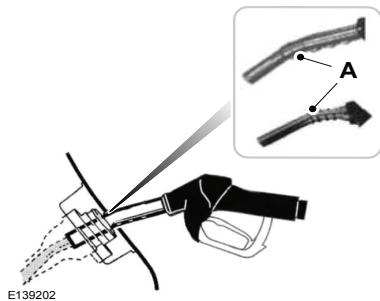
- Turn the ignition off. To access the fuel filler, push the right-hand side of the fuel filler flap once. The flap pops open slightly to allow the flap to be opened. Slowly unscrew the petrol cap anti-clockwise.

**Note:** Your vehicle is equipped with a locking fuel filler flap. The locking fuel filler flap locks when the vehicle is locked and unlocks when the vehicle is unlocked.

# Fuel and Refuelling

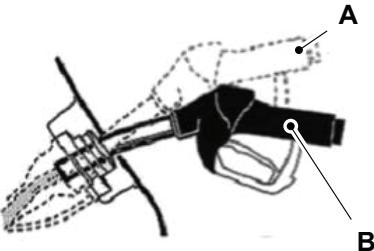
**Note:** When you insert the correct size fuel nozzle, a spring-loaded inhibitor opens. This helps to avoid filling up with the incorrect fuel.

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



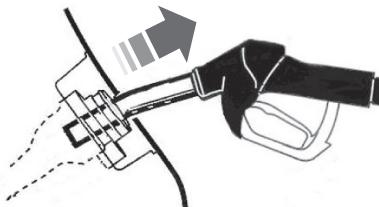
E139202

3. Hold the fuel nozzle in position B during refuelling. Holding the fuel nozzle in position A can affect the flow of fuel and shut off the fuel nozzle before the fuel tank is full.



E139203

4. Slightly raise the fuel nozzle to remove it.



E119081

5. After refuelling, replace the cap until the ratchet is engaged for at least two clicks, and close the fuel filler flap.

## CAUTIONS

! A security feature does not allow the fuel filler flap to open fully if the car is locked. If you find difficulty opening or closing the fuel filler flap, unlock the vehicle. Applying undue force may damage the fuel flap.

! If you lose the fuel cap, it is recommended that you replace it with a Ford-approved cap to ensure integrity of the fuel system.

# Fuel and Refuelling

## Filling Fuel Containers

### WARNING

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

- Place the approved fuel container on the ground.
- Do not fill the container whilst in the vehicle.
- Keep the nozzle in contact with the fuel container whilst filling.

 Do not use an automatic pump or any device that latches open pump handles.

## ECOLPi VEHICLES

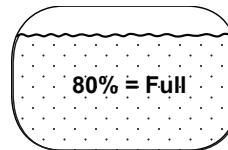
### WARNING

 Only Falcons factory built with EcoLPi are designed and tested by Ford Motor Company to run on Liquefied Petroleum Gas (LPG). Petrol Falcons are not compatible with LPG system fitment. LPG system fitment on petrol Falcons may compromise safe vehicle operation, reduce the life of certain engine components and result in non-compliance with emission regulations. Ford does not warrant or take responsibility for any defect caused by or attributed to fitment of LPG systems to a petrol vehicle.

EcoLPi vehicles can only be operated on LPG. The LPG option fitted to your vehicle has been specifically engineered by Ford Motor Company of Australia Limited, to comply with all applicable Australian Design Rules (ADR) and standard AS/NZS 1425-2007.

## Fuel Tank Capacity - LPG (usable volume)

The fuel tank capacity usable volume for LPG sedans is **87 litres**.



EcoLPi vehicles have an Automatic Fill Limiter (AFL). The AFL is designed to restrict the tank from being filled beyond 80% capacity. The remaining 20% is required to allow for expansion of the LPG as temperature increases.

# Fuel and Refuelling

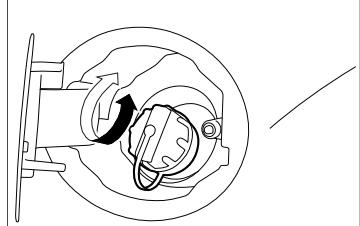
## Refuelling EcoLPi Vehicles

### WARNING

 Carefully observe the filling instructions and warnings displayed at the filling station.

The LPG fill valve is located behind the fuel filler flap.

 In the unlikely event of an AFL failure and tank overfill, (for example, if the fuel bowser reads greater than the usable volume\* when filling from empty), refer to the emergency procedures for dedicated EcoLPi vehicles in the 'Roadside Emergencies' section of this manual.



\* If the bowser indicates that the total LPG volume has exceeded **87 litres** (that is, greater than the usable volume), release the fuel dispenser handle. Fuel tank volumes up to the usable litres should accommodate most variables such as temperature, bowser accuracy and vehicle angle whilst filling.

### CAUTION

 A security feature will not allow the fuel flap to open fully if the car is locked. If you find difficulty opening or closing the fuel flap, unlock the vehicle. Applying undue force may damage the fuel flap.

1. Switch off the engine.
2. Unscrew the LPG filler cap and securely attach the LPG dispenser nozzle to the fill valve.
3. When filling is complete, disconnect the LPG dispenser nozzle and replace the LPG filler cap. Screw down securely to prevent ingress of dust or other foreign matter.

**Note:** Refer to the 'Roadside Emergencies' section of this manual for information on emergency procedures for EcoLPi vehicles.

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## RUNNING OUT OF FUEL

### WARNING

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

If you have run out of fuel, you may need to cycle the ignition from 'Off' to 'On' several times after refuelling to allow the fuel system to pump the fuel from the tank to the engine. On restarting, cranking time takes a few seconds longer than normal.

## CATALYTIC CONVERTER

### WARNING

 The catalytic converter becomes extremely hot during engine operation and continues to radiate heat after the engine is turned off.

 Do not park or idle your vehicle in dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system, which can start a fire.

The catalytic converter is a device that helps reduce exhaust gas pollution. It is sensitive to contamination by unburnt or partially burnt fuel, particularly when the engine is hot. Observe the fuel octane requirement guidelines laid out in this section to avoid damage to the catalytic converter.

## Driving with a Catalytic Converter

### CAUTIONS

 Avoid running out of fuel.

 Do not crank the engine for long periods.

 Do not push-start or tow-start your vehicle. Use booster cables. Refer to 'Jump-Starting the Vehicle' in the 'Roadside Emergencies' section of this manual for further information.

 Do not switch the ignition off while driving.

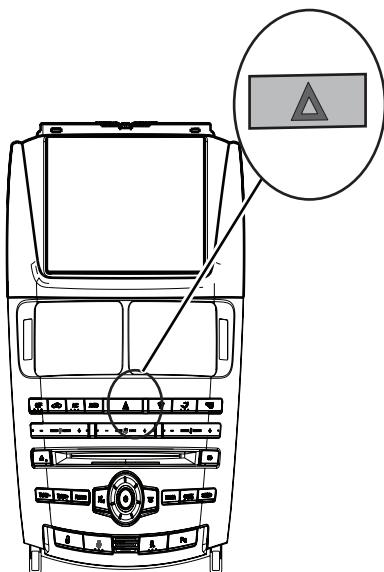
 Do not operate the vehicle if there are signs of engine misfire or noticeable loss of performance.

 Do not modify or tamper with the engine or emission control system.

# Roadside Emergencies

## HAZARD LIGHTS WARNING SWITCH

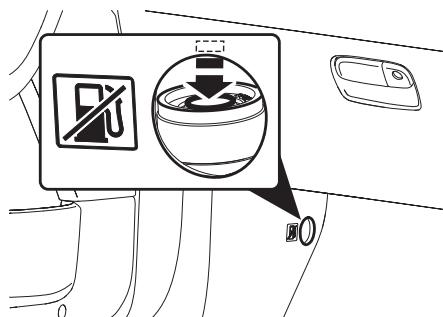
Use only in an emergency to warn traffic of vehicle breakdown, approaching danger, and so on. Push the switch located in the centre of the Interior Command Centre (ICC) panel to toggle the hazard lights on/off.



## FUEL SYSTEM SHUT-OFF SWITCH (Petrol and EcoLPi)

Your vehicle is equipped with a shut-off switch that cuts off the fuel supply in the event of an accident. This is first and foremost for your own safety.

Activation of the switch may also be caused through sudden vibrations (for example, collision when parking). The fuel system shut-off switch is located in the front-passenger outboard footwell.



The reset button for the fuel system shut-off switch is accessible through an opening in the kick panel.

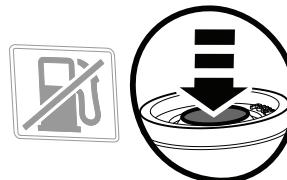
### Fuel System Shut-off Switch Reset Procedure

1. Turn the ignition to the 'OFF' position.
2. Visually inspect the engine compartment and underneath the vehicle for fuel system leaks.

#### WARNING

To avoid the possibility or personal injury, do not reset the fuel system shut off switch if you see or smell fuel from the fuel system.

3. If no fuel leak is apparent, reset the fuel pump shut-off switch by pushing in the reset button. Place a finger through the hole in the kick panel to locate the reset button.



# Roadside Emergencies

4. Once the rubber-coated button is located, press down briefly and release.
5. Turn the ignition to the 'ON' position. Pause for a few seconds and return the key to the 'OFF' position. Do not turn the ignition to 'START'.
6. Make a further check for leaks in the fuel system.

## EMERGENCY PROCEDURES FOR EcoLPi VEHICLES

### Accident or Fire

1. Turn off ignition.
2. Call emergency fire services to the scene and keep bystanders away from the vehicle.

### Suspected Gas Leak

1. Ensure there are no sources of ignition near the vehicle.
2. Call the nearest authorised Ford dealer or registered LPG repairer for assistance.

### Accidental 'Drive Off' whilst Filling

1. Ensure there is 'NO' gas leakage from the valve or system.
2. If there is no leakage, drive to the nearest authorised Ford dealer or registered LPG repairer for assistance.

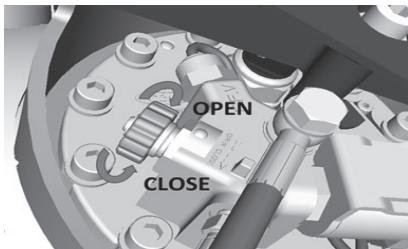
### LPG Tank Overfilling (AFL Failure)

If the operator after filling believes the LPG volume has exceeded **87 litres**:

- Drive the vehicle without stopping the engine for a sufficient distance to consume the excess fuel (up to 150 km).
- Immediately contact the nearest authorised Ford dealer or registered LPG repairer for assistance and appropriate repairs.
- If the above is not possible, move the vehicle to a cool, shaded, open area and contact the nearest authorised Ford dealer or registered LPG repairer to have the excess fuel decanted and appropriate repairs made.

### Service Valve

The service valve is used to turn off gas supply to the engine.



**Note:** If the vehicle is to be stored for a prolonged period, the service valve must be turned off.

### Service Valve Location

The service valve can be accessed from underneath rear of the vehicle through the stone guard covering the tank.

# Transmission

## TRANSMISSION

Your vehicle is equipped with one of the following transmissions depending on specification:

- Six-speed manual transmission.
- Six-speed automatic transmission .

Both these transmissions are covered in the following pages.

### CAUTION

**!** In normal operation, the vehicle must be brought to a complete stop before shifting from reverse to forward or from forward to reverse gear. Failure to observe this may result in driveline damage.

**Note:** Some fore/aft movement of the transmission selector lever may be experienced during towing or driving over road undulations.

## DRIVING WITH A MANUAL TRANSMISSION



The clutch pedal should only be used for engaging or disengaging the drive when starting off or changing gears. Do not slip the clutch unnecessarily or use it to hold the vehicle on a slope.

Do not rest your foot on the clutch pedal while driving.

The six-speed transmission has six forward gears and one reverse. The reverse gear cannot be selected when the vehicle is moving forward above 3-4 km/h.

The shift pattern is displayed on the top of the gear knob.

### Changing Down

Change to a lower gear when slowing down or climbing hills, before the engine starts to labour. Also change down to use engine braking when descending hills to prolong brake life.

### Stopping the Vehicle

Select a lower gear before the engine speed reaches normal idle speed. If stopping on an incline, do not use the clutch to hold the vehicle; use the brake.

### Parking

Firmly apply the park brake, switch the ignition off and remove the key. Shift the gear lever into first gear if facing uphill or reverse if facing downhill. Ensure the gear is fully engaged. Release the clutch after the engine stops.

The catalytic converter becomes extremely hot during engine operation and continues to radiate heat after the engine is turned off.

### WARNING

**!** Do not park, idle or drive your vehicle in dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system, which can start a fire.

# Transmission

## DRIVING WITH AN AUTOMATIC TRANSMISSION



### Special Features

#### Automatic Transmission Grade Control Logic (Automatic Modes)

When driving downhill, the automatic transmission's grade control logic feature holds the current gear and looks to downshift further if the vehicle continues to accelerate with the brake pedal depressed. This feature prevents the transmission changing to a higher gear.

#### WARNING

 Although the 'Automatic Transmission Grade Control Logic' feature is intended to provide better control of the vehicle while descending grades, the driver should always feel comfortable with the speed and handling of the vehicle. It is advised that the driver place the transmission in the lowest gear possible and gradually bring the vehicle down to their preferred speed.

#### Emergency Downshift (Manual Mode)

If the vehicle is being driven in 'Manual' mode, an 'Emergency Kickdown' feature may be available to the driver in circumstances where rapid downshift and acceleration is required. If the accelerator pedal is pushed all the way to the floor, in a gear that is high for the desired acceleration response, and the transmission calculates that acceleration will be greater in a lower gear, it changes down to assist acceleration.

#### WARNING

 Rapid acceleration and downshift can compromise traction under certain road and weather conditions. Always observe the local speed limit and drive safely, adjusting your driving to suit the road and weather conditions.

Once kickdown has occurred, the transmission stays in the selected gear until a new gear is manually selected or automatic mode is selected. Kickdown can be avoided in 'Manual' mode by not pushing the accelerator all the way to the floor.

#### 'Limited Operation' Mode

Should the transmission control module detect a potential fault, the transmission may default to a 'Limited Operation' mode. This mode is designed to prevent the transmission from being damaged while still allowing. In most cases, the car should be driven to the nearest authorised Ford dealer for inspection and (if necessary) repair.

In this mode, the transmission still operates but with a limited operation dependent upon the fault detected.

# Transmission

This mode may be detected by the driver through the following signs:

- The transmission selector indicator on the instrument cluster flashing.
- A change in shift operations.
- Some gears becoming unavailable.

Limited operation mode may also be engaged if the battery charge falls below 9V. In either case, it is recommended that you take your vehicle immediately to the nearest available authorised Ford dealer for inspection and (if necessary) repair.

## Transmission Overheat Protection



If the transmission senses it may be nearing an overheat situation, it automatically changes the shift patterns to enable improved transmission cooling.

During this period, the instrument cluster display indicating transmission selector position and the transmission overheat warning indicator flashes, until normal transmission operating temperature is reached.

## Upshift Inhibit on Grades (Performance Automatic Mode)

If the accelerator pedal is released rapidly when travelling uphill or downhill, the transmission holds the gear to prevent the gearbox up-shifting. This ensures an adequate gear ratio to climb a hill and a degree of engine braking when travelling downhill.

## Brake Support Downshift (Adaptive Automatic Mode)

When braking takes place and acceleration is detected, the transmission changes down gears.

This is to provide additional engine braking and to be in the correct gear to drive away when the braking action is complete.

## Gear Hold in Corner

This feature holds a gear through a corner to provide an improved response when exiting the corner.

## Winter Mode

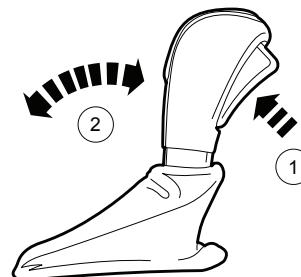
In the event the rear wheels spin when pulling away, such as on ice or snow, with the Dynamic Stability Control (DSC) on, the transmission changes up to a higher gear in an attempt to provide more traction to the driven wheels.

## Operation

The automatic transmission can be operated in three different modes:

1. Adaptive Automatic Mode (**D**).
2. Performance Automatic Mode (**S**).
3. Manual Mode (+/-).

## Gear Selection



To select a gear, depress the button (1) and move selector to the desired position (2).

# Transmission

## P = Park



This position should only be selected when the vehicle is stationary.

In this position, the transmission is locked. **P** is displayed on the Multifunction Display (MFD) when the engine is running, and **P** is illuminated on the gear selector console.

Park is fully engaged when the selector lever cannot be moved without first releasing the locking mechanism.

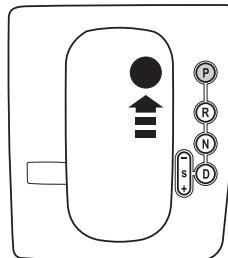
### WARNING



Do not use the 'Park' position in place of the park brake. Always ensure the park brake is firmly applied before leaving a parked vehicle.



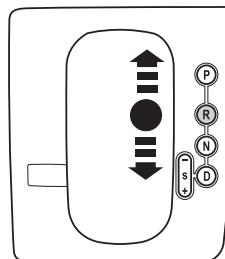
Move the transmission selector lever to reverse, only when your vehicle is stationary and the engine is at idle speed. Always come to a complete stop before shifting the transmission selector lever out of reverse.



## R = Reverse



This gear should be selected only when the vehicle is stationary and the engine is idling. **R** is displayed in the MFD when reverse is selected.



## N = Neutral



This gear should be selected when starting the engine or when idling. No power is transmitted to the drive wheels. The engine will not operate over 3,000 RPM when neutral gear is selected. **N** will be displayed in the MFD.

## Adaptive Automatic Mode

### D = Drive



The transmission will automatically select the appropriate gear under the driving conditions. When the gear selector lever is in **D** (Drive), 'Adaptive Automatic Mode' is active and **D** will be displayed in the MFD. The transmission automatically selects the appropriate gear and adapts to your driving style.

A spirited driving style yields high-performance transmission shift patterns and firmer feel.

# Transmission

Easy driving results in economical shift patterns and smoother shifts.

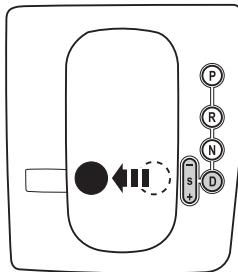
**Note:** The transmission will automatically up-shift at 5,800 RPM in all gears to prevent engine overspeed.

## Forced Downshifting - Kickdown

To obtain greater acceleration for overtaking, hill climbing, and so on, press the accelerator pedal all the way to the floor. The transmission downshifts to a lower gear.

## Performance Automatic Mode

 When the gear selector lever is moved to the left, the transmission is in 'Performance Automatic Mode'.



The transmission automatically selects the appropriate gear for spirited driving.

**D PER** is displayed on the instrument cluster. At normal highway speeds, the selection of this mode chooses third gear.

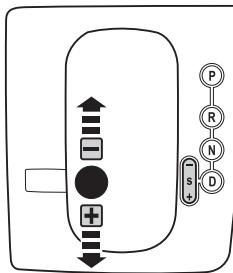
**Note:** When operating 'Performance Automatic Mode', top gear is not automatically selected.

**Note:** When towing heavy loads, or in hilly terrain, it is recommended that 'Performance Automatic Mode' is selected. This results in cooler transmission temperatures and additional engine braking.

## Manual Mode

From the 'Performance Automatic Mode' you can use the 'Sequential Sports Shift' to allow you to manually select the gears.

This is achieved by either moving the gear lever backwards (+) to upshift or forward (-) to downshift.



The gear selector lever returns to the mid (default) position when not pushed backwards or forwards. Once a gear is selected manually, the transmission is in 'Manual Mode'.

For example, if the car is in third gear and the gear selector lever is pushed forward, the instrument cluster shows '**2**' indicating second gear. Likewise, if from second gear, the gear selector lever is cycled backwards twice, the instrument cluster shows '**4**' indicating fourth gear.

If stationary, first gear is automatically selected.

# Transmission

**Note:** Any gear may be selected, however the transmission will only downshift to a lower gear if the vehicle is travelling below a predetermined speed.

**Note:** When decelerating, the transmission downshifts automatically when a low-threshold speed is reached.

**Note:** To return to 'Adaptive Automatic Mode', shift the gear selector lever back to the '**D**' position at any time.

## 1 = First

This gear should be selected for pulling off from a stationary start, or for descending very steep gradients where heavy engine braking is required. '**1**' is displayed on the MFD.

## 2 = Second

This gear should be selected for responsive acceleration, ascending steep gradients or descending steep gradients where increased engine braking is required. '**2**' is displayed on the MFD.

## 3 = Third

This gear should be selected for ascending or descending moderate grades or for responsive acceleration or increased engine braking. '**3**' is displayed on the MFD.

## 4 = Fourth

On six-speed automatic transmission fitted vehicles, this gear should be selected for near constant moderate driving conditions on the urban cycle. '**4**' is displayed on the MFD.

## 5 = Fifth

This gear provides economic driving at higher speeds. '**5**' is displayed on the MFD.

## 6 = Sixth

This gear provides economic driving at higher speeds. '**6**' is displayed on the MFD.

**Note:** Higher gears may not be available at low speeds.

## WARNINGS

 It is recommended not to exceed the following speed for each gear:

Six-Speed Automatic Transmission

Gear	Maximum Speed
1	50 km/h
2	75 km/h
3	115 km/h
4	160 km/h

 Always observe the local speed limit and drive safely, adjusting your driving to suit the road and weather conditions.

# Brakes

## BRAKES

### WARNINGS

 If you notice a reduction in brake effectiveness or an increase in stopping distances, have the braking system checked immediately.

 If you are driving down a long steep hill, shift to a lower gear and do not apply your brakes continuously. If you apply your brakes continuously, they may overheat and become less effective.

 Wet brakes have a lower coefficient of friction resulting in reduced braking efficiency. After leaving a car wash, driving in heavy rain or in slush, apply the brakes gently while driving to dry the brakes.

Your vehicle is equipped with a four-channel hydraulic braking system. The four-channel system allows independent brake control of each wheel.

**Note:** *Occasional brake squeal during light to moderate stops does not affect the function of the brake system and is normal. However, if the squeal becomes louder or more frequent, have your brakes inspected by your authorised Ford dealer.*

Your vehicle is fitted with dual (front/rear) brake circuits. If one of the brake circuits fail, the other remains operative. However you need to exert a greater force on the brake pedal and make allowance for increased stopping distances.

The system is vacuum power assisted. If the engine stops, the system has enough reserve for at least one power assisted brake application, but without

power assistance brake pedal pressure and stopping distance will be significantly increased.

### ANTI-LOCK BRAKING SYSTEM

### WARNINGS

 Although the ABS ensures optimum braking efficiency, stopping distances can vary greatly depending on the road surface and conditions. Use of the anti-lock braking system cannot eliminate the dangers inherent in driving too close to the vehicle in front of you, aquaplaning, excessive cornering speed or poor road surfaces.

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

The Anti-Lock Braking System (ABS) operates by detecting the onset of wheel lock-up during brake applications and compensating for this tendency. The wheels are prevented from locking, even when the brakes are firmly applied, thus helping to ensure that the car can be steered and the driver can avoid obstacles.

**Note:** *When the ABS is operating, the brake pedal will pulse. This is normal. Maintain pressure on the brake pedal.*

### Operation of the ABS System

The anti-lock braking system is not employed during normal braking. It becomes operational only when it senses differences in the rotational speed of the road wheels, indicating that they are about to lock up.

# Brakes

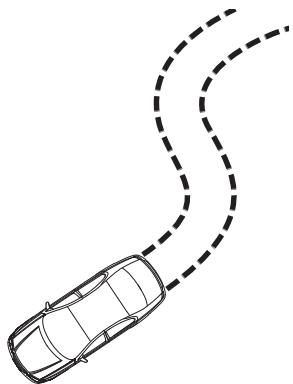
During ABS operation, a pulsing or vibration of the brake pedal can be felt. This is normal.

The ABS does not eliminate the dangers inherent 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.

## Braking with ABS

In an emergency, apply full force on the brake pedal. The ABS is activated immediately, thus allowing you to retain steering control of your vehicle and, providing there is sufficient space, enables you to avoid obstacles.



Some tyre noise may be evident, but this does not necessarily indicate wheel lock. You should familiarise yourself with this braking technique. However, avoid taking any unnecessary risks.

## ABS System Self-Check

When the ignition is switched on, the ABS warning light illuminates for

approximately three seconds to verify that the system is operating correctly.

If the light does not illuminate when the ignition is switched on, or if it remains illuminated whilst driving, this indicates a malfunction in the system. You may continue driving, however ABS will be disabled. Have the vehicle checked by an authorised Ford dealer as soon as possible.

**Note:** When the vehicle first starts moving after engine start-up, the ABS system conducts a self-check cycle at approximately 30 km/h, and emits a slight noise. This is normal.

## Hints on driving with ABS

There are two important rules when braking in emergencies with ABS:

1. Apply full force on the brake pedal.
2. Steer around the obstacle.

No matter how hard you brake, steering control is maintained.

# Brakes

## BRAKE OVER ACCELERATOR

This vehicle is equipped with a brake over accelerator feature. In the event that the accelerator pedal becomes stuck or entrapped, applying steady and firm pressure to the brake pedal slows the vehicle down and reduces engine power.

If you experience this condition:

- Apply the brakes and bring your vehicle to a safe stop.
- Turn the engine off, shift to **P** (Park) and apply the parking brake.
- Inspect the accelerator pedal for any interferences.

If none are found, and the condition persists, contact your nearest authorised Ford dealer.

## PARKING BRAKE

### WARNING

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

- 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 and turn the steering wheel away from the kerb.
- If your vehicle is parked on a hill and facing downhill, select reverse gear 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.

# Dynamic Stability Control

## DYNAMIC STABILITY CONTROL

**Note:** Dynamic Stability Control (DSC) is also known as Electronic Stability Control (ESC) or Electronic Stability Program (ESP).

DSC provides increased traction, stability and steering control under acceleration, braking and cornering. Depending on the DSC mode selected by the driver, assistance is provided by a combination of brake and / or engine interventions. These DSC interventions are advised by a flashing control light. (Refer to 'Controls' later in this section.)

DSC is designed to assist the driver to retain control of the vehicle in the event of an emergency manoeuvre or if hazardous conditions are suddenly encountered. Even if your vehicle is fitted with DSC, you should still drive defensively and with caution according to the road conditions. If the DSC control light is flashing, drive more carefully and adapt your driving style to the road conditions.

### WARNINGS

**!** Aggressive driving in any road conditions can cause you to lose control of your vehicle, increasing the risk of severe personal injury or property damage. The occurrence of DSC intervention is an indication that at least some of the tyres have exceeded their ability to grip the road. This may lead to an increased risk of loss of vehicle control, vehicle rollover, personal injury and death. If you experience DSC intervention, SLOW DOWN.

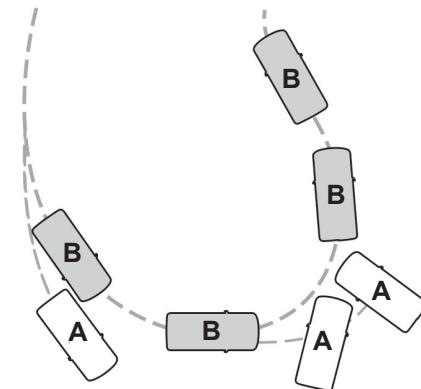


The system does not relieve you of your responsibility to drive with due care and attention.



Do not alter or modify your vehicle brakes, suspension or steering, or fit non-Ford specified tyres. Also ensure the tyres are inflated to the correct levels as specified on the tyre placard (located inside the glovebox lid). The resulting changes to the vehicle handling can adversely affect the DSC system.

### How does DSC Work?



E72903

A Without DSC.

B With DSC.

DSC helps your vehicle maintain traction, when driving on slippery and/or hilly road surfaces, by detecting and controlling wheel spin and vehicle stability. Excessive wheel spin is controlled by momentarily reducing engine power and rapidly applying brake pressure to the spinning wheel(s).

# Dynamic Stability Control

The system enhances your vehicle's stability during manoeuvres that require all available tyre grip, and aids the driver's control of the vehicle under adverse driving conditions, such as on loose surfaces, gravel, snow and ice-covered roads.

The DSC system helps the driver maintain steering control if the vehicle begins to slide excessively left or right. DSC attempts to correct the sliding motion by applying brake force at individual wheels and by reducing engine power.

During DSC operation you may experience the following:

- A rumble or grinding noise.
- A slight deceleration of the vehicle.
- The DSC indicator light flashes (Refer to 'Controls' below.)
- If your foot is on the brake pedal, you will feel a vibration in the pedal, similar to ABS.

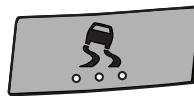
All these conditions are normal during DSC operation and should be expected.

The system does not function when the vehicle is traveling in reverse. However in reverse, ABS and the traction control feature continues to function.

## Controls

The DSC system is automatically switched to the default 'ON' mode (Refer to 'Modes of Operation' later in this section) when the engine is started and should be left active in all normal driving conditions.

If required, the driver can select the desired operating mode with the DSC button.



This button is located on the Interior Command Centre (ICC) panel below the audio controls. Refer to the 'Instrumentation' section of this manual for driver interface layout.



The DSC system status is indicated by a warning indicator light with a 'sliding car' icon in the instrument cluster that flashes when the system is active.

## In the Event of a Failure

If the DSC warning indicator light in the instrument cluster remains on while the engine is running, have the system serviced immediately by an authorised Ford dealer.

## Modes of Operation

For vehicles equipped with DSC, there are two different modes of operation.

### DSC 'ON' Mode

'DSC ON' mode is the default position from ignition 'ON'. It provides full DSC operation and should be used in all normal driving conditions. With the DSC system on, your vehicle responds to adverse conditions with a combination of the following:

- Stability Enhancement.

Enhances the vehicle's stability during manoeuvres that require all available tyre grip.

# Dynamic Stability Control

It also provides better overall vehicle road holding capability and steering control when performing emergency manoeuvres, by applying brake force at individual wheels and reducing engine power.

- Traction Control.

The traction control system is configured to limit excessive wheel spin beyond a predetermined level. Below that level, it does not prevent wheel spin from occurring. This is to ensure the system is not overly sensitive to small amounts of wheel spin that may occur during take off, or conditions where small amounts of wheel spin are desired to gain traction on loose surfaces such as gravel.

- Engine Power Reduction.

Used in conjunction with both the stability enhancement and traction control components. This is to reduce available engine power and prevent any further increase in vehicle or wheel speed while the system is being actuated.

## Switching DSC 'ON'

The DSC system is automatically activated and defaults to 'ON' mode when the engine is started. Should the DSC be switched off at any time (Refer to 'Switching DSC OFF' later in this section) the system can be switched back on by a single press of the 'DSC' button. The 'DSC' icon on the instrument cluster flashes when the system is acting to control the vehicle's traction and/or stability. If you are not sure which 'DSC' mode is active, it is recommended you bring the vehicle to a safe halt, completely turn the engine off (key turned back to '0' position) and restart the vehicle, returning to the default mode of operation (DSC ON).

## DSC 'OFF' (System Disabled)

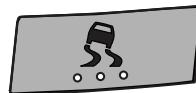
### WARNINGS

 Do not switch the DSC system off unless you wish to disable the DSC stability enhancement and traction control feature completely.

 Since DSC is an active safety system, it is recommended that the system remain fully operational to aid with adverse driving conditions, should they be unexpectedly encountered.

## Switching DSC 'OFF'

To switch the DSC system off, press the 'DSC' button until the 'DSC' icon illuminates. The 'DSC' icon remains on when the button is released. DSC can be switched back on by pressing the 'DSC' button until the DSC icon extinguishes.



## Tips for Driving Vehicles Fitted with DSC

- It is recommended that the DSC is left switched on (Refer to 'DSC 'ON' Mode' earlier in this section). This helps to maintain steering and braking control of your vehicle.
- If the DSC system warning lamp comes on (and stays on) stop and restart the vehicle. If the lamp does not go out, the system needs to be serviced by an authorised Ford dealer.

# Dynamic Stability Control

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## EMERGENCY BRAKE ASSIST

The Emergency Brake Assist (EBA) is able to detect an emergency braking situation by measuring the rate at which the brake pedal is applied. It automatically provides maximum braking efficiency as long as the pedal is applied. This can reduce stopping distances in critical situations.

### WARNING

 The EBA is an additional system which is not intended to relieve the driver of their responsibility for exercising due care and attention when driving.

# Launch Control and Launch Assist

## LAUNCH CONTROL AND LAUNCH ASSIST

### WARNINGS

 Always drive with due care and attention when using and operating the controls and features on your vehicle. It is the driver's responsibility to ensure that the vehicle is operated in accordance with all applicable laws and regulations.

 Rapid acceleration can compromise traction under certain road and weather conditions. Always observe the local speed limit and drive safely, adjusting your driving to suit the road and weather conditions.

'Launch Control' (for V8 vehicles) and 'Launch Assist' (for turbocharged vehicles) are active features introduced to reduce the amount of wheel slip when the vehicle accelerates from rest. This feature maximises rear-wheel traction to enable a more consistent and controlled acceleration in first gear.

The system is automatically enabled when the vehicle is started and is designed to perform best on dry roads, but also provides some improvement on wet or slippery surfaces.

## V8 VEHICLES

### Automatic Vehicles

From rest, the driver can depress the accelerator pedal rapidly to the floor. The 'Launch Control' system controls engine torque throughout first gear to reduce wheel slip and allows the vehicle to accelerate at a smoother and more controlled rate.

### Manual Vehicles

From rest, with the clutch pedal fully disengaged (clutch pedal to the floor) and the transmission in first gear, the driver can depress the accelerator pedal to the floor. The 'Launch Control' system limits engine speed to approximately 3,250 RPM.

The driver can then release the clutch quickly whilst keeping the accelerator pedal fully depressed. The 'Launch Control' system reduces wheel slip, allowing the vehicle to accelerate at a smoother and more controlled rate.

### Disabling 'Launch Control'

Whilst the 'Launch Control' system is automatically enabled when the vehicle is started, the system can be disabled by pressing the 'DSC' button. This disables both the 'Launch Control' system and the DSC.

In this condition, engine speed and torque limiting, as well as traction control, are disabled.

The 'DSC OFF' indicator lamp illuminates on the cluster to signify that these systems have been deactivated. To re-enable the DSC and 'Launch Control' system, the 'DSC' button can be pressed again and the 'DSC OFF' indicator lamp on the cluster goes out.

For more information on DSC activation and deactivation, refer to the 'Stability Control' section of this manual.

# Launch Control and Launch Assist

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## TURBOCHARGED VEHICLES

'Launch Assist' is a feature that enables the consistent and smooth launch of the vehicle at positive turbo boost pressures, without damaging driveline or turbocharger components. It is activated when the vehicle is stationary, the clutch is fully disengaged (clutch pedal to the floor), and some accelerator is applied. The engine speed is limited to a predetermined number of Revolutions Per Minute (RPM).

**Note:** 'Launch Assist' is only available on vehicles with manual transmissions.

### Using Launch Assist

To activate 'Launch Assist', follow the procedure below:

1. 1. Car must be stationary.
2. 2. Press the clutch pedal to the floor to disengage the clutch.
3. 3. Press the accelerator pedal to bring the rev counter up to 3,500 RPM.

**Note:** The engine speed will be limited to 3,500 RPM.

4. 4. Hold for approximately three seconds.
5. 5. Some engine roughness is felt due to fuel injectors to random individual cylinders being automatically switched off. This is normal and does not indicate malfunction.
6. 6. Release the clutch whilst keeping some accelerator applied. Normal engine operation will be reactivated.

# Parking Aids

## PARKING AIDS

### WARNINGS

**!** To help avoid personal injury, please read and understand the limitations of the system as contained in this section. Sensing is only an aid for some (generally large and fixed) objects when moving in reverse on a flat surface at parking speeds. Traffic control systems, inclement weather, air brakes and external motors and fans may also affect the function of the sensing system. This may include reduced performance or false activations.

**!** To help avoid personal injury, always use caution when in Reverse (R) and when using the sensing system.

**!** This system is not designed to prevent contact with small or moving objects. The system is designed to provide a warning to assist the driver in detecting large stationary objects to avoid damaging the vehicle. The system may not detect smaller objects, particularly those close to the ground.

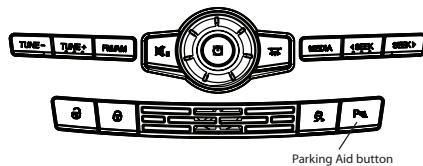
**!** Certain add-on devices such as large trailer hitches, bikes or surfboard racks and any device that may block the normal detection zone of the system, may create false beeps.

**Note:** Keep the sensors (located on the bumper or fascia) free from snow, ice and large accumulations of dirt. If the sensors are covered, the system's accuracy can be affected. Do not clean the sensors with sharp objects.

**Note:** If your vehicle sustains damage to the bumper or fascia, leaving it misaligned or bent, the sensing zone

may be altered causing inaccurate measurement of obstacles or false alarms.

**Note:** The Parking Aid system can be switched off at any time by pressing the Parking Aid button on the Interior Command Centre (ICC). Switching off the Parking Aid system will turn off both the front and rear sensing systems.

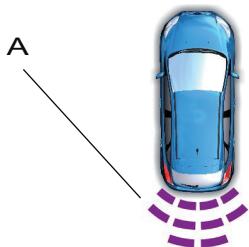


When receiving a detection warning, the radio volume is reduced to a predetermined level. After the warning goes away, the radio volume returns to the previous level. If a fault is present in the system, a warning message appears in the information display and does not allow the driver to switch the faulted system on.

## REAR SENSING SYSTEM

The rear sensors are only active when the transmission is in 'R', as long as the Parking Aid system has not been turned off via the Parking Aid button. As the vehicle moves closer to the obstacle, the rate of the audible warning increases. When the obstacle is less than 25 cm away, the warning sounds continuously. If a stationary or receding object is detected further than 25 cm from the side of the vehicle, the tone sounds for only three seconds. Once the system detects an object approaching, the warning sounds again.

# Parking Aids

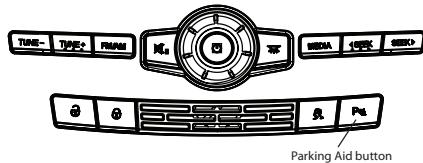


The coverage area (denoted by A in the diagram) indicates an area of up to 1.8 m from the rear bumper. There is decreased coverage area at the outer corners of the bumper.

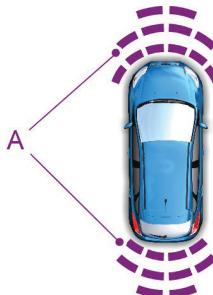
## FRONT SENSING SYSTEM

The front sensing system is automatically activated when the reverse gear is engaged and will be deactivated, once it is put back into drive and the car drives faster than 7 km/h. It can also be activated by pressing the Parking Aid button in the Interior Command Centre, unless the gear selector is in 'P'.

The front sensing system can be turned off at any time by pressing the Parking Aid button, but this will also turn off the rear sensing system. A 'Park Aid Off' message will display temporarily in the Multifunction Display when the front and rear sensing systems have been turned off.



The coverage area (denoted by 'A' in the diagram) indicates an area of up to 70 cm from the front of the vehicle and about 15-35 cm to the side of the front end of the vehicle.



The system sounds an audible warning when obstacles are near either bumper in the following manner:

- Objects detected by the front sensors are indicated by a high-pitched tone from the front radio speakers.
- Objects detected by the rear sensors are indicated by a lower-pitched tone from the rear radio speakers.
- The sensing system reports the obstacle which is closest to the front or rear of the vehicle. For example, if an obstacle is 60 cm from the front of the vehicle and, at the same time, an obstacle is only 40 cm from the rear of the vehicle, the lower-pitched tone sounds.
- An alternating warning sounds from the front and rear if there are objects at both bumpers that are closer than 25 cm.

# Parking Aids

## REAR VIEW CAMERA SYSTEM

### WARNINGS

**!** The reverse camera is an auxiliary system that is not intended to relieve the driver of their responsibility for exercising due care and attention when reversing.

**!** The reverse camera system must not be used to replace head checks and mirrors when reversing your vehicle.

**!** The camera is mounted within the Ford badge and the boot-lid and should not be used as a device to lift or close the boot-lid.

**!** The purpose of the reverse camera system is to provide a view of the driver's blind spot at the rear of the vehicle, which is not seen using head checks or mirrors.

**!** Always keep the camera lens free from dirt, snow and ice (do not clean with sharp or abrasive objects). Mild soap and warm water should be used for cleaning purposes.

**!** Objects that are close to either corner of the bumper or under the bumper, might not be seen on the screen due to the limited coverage of the camera system.

**!** Back up as slowly as possible since higher speeds might limit your reaction time to stop the vehicle.



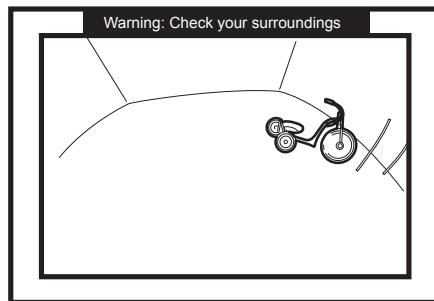
Use caution when using the rear video camera while the boot-lid is ajar. If the boot-lid is ajar, the camera is out of position and the video image may be incorrect. All guidelines (if enabled) are removed when the boot-lid is ajar.



The rear-view camera system provides a video image of the area behind the vehicle. The image is displayed in the main centre display. During operation, lines appear in the display which represent your vehicle's path and proximity to objects behind the vehicle. The camera is located in the boot.

### Using the Rear View Camera System

The rear-view camera system displays what is behind your vehicle when you place the transmission in Reverse (R).



The system uses three types of guides to help you see what is behind your vehicle:

- 1. Active Guidelines:** These show the intended path of your vehicle when reversing.

# Parking Aids

**2. Fixed Guidelines:** These show the actual path your vehicle is moving in while reversing in a straight line. This can be helpful when backing into a parking space or aligning your vehicle with another object behind you.

**3. Centreline:** This helps align the centre of your vehicle with an object (for example, a trailer). **Note:** When towing, the camera only sees what is being towed behind your vehicle. This might not provide the adequate coverage it usually provides in normal operation and some objects might not be seen. The guidelines disappear once the trailer-tow connector is engaged.

**Note:** The camera may not operate correctly under the following conditions:

- Night-time or dark areas if one or both reverse lamps are not operating.
- The camera's view is obstructed by mud, water or debris. If this is the case, clean the lens with a soft, lint-free cloth and non-abrasive cleaner.
- The rear of the vehicle is hit or damaged, causing the camera to become misaligned.

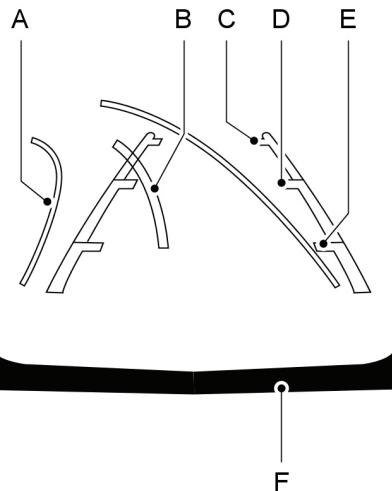
To access any of the rear-view camera system settings, make the following selections in the touch screen when the transmission is not in Reverse (R).

Menu > Vehicle > Camera Settings

After changing a system setting, the touch screen shows a preview of the selected features.

## Guidelines and the Centreline

**Note:** Active guidelines and fixed guidelines are only available when the transmission is in Reverse (R). The guideline only indicates the path the vehicle will travel on ground level



- |   |                               |
|---|-------------------------------|
| A | Active Guidelines.            |
| B | Centreline.                   |
| C | Fixed Guideline: Green Zone.  |
| D | Fixed Guideline: Yellow Zone. |
| E | Fixed Guideline: Red Zone.    |
| F | Rear Bumper.                  |

To use active guidelines, turn the steering wheel to point the guidelines toward an intended path. If the steering wheel position is changed while reversing, the vehicle might deviate from the original intended path.

# Parking Aids

The fixed and active guidelines fade in and out, depending on the steering wheel position. The active guidelines are not shown when the steering wheel position is straight.

Always use caution while reversing. Objects in the 'Red' zone are closest to your vehicle and objects in the 'Green' zone are farther away. Objects are getting closer to your vehicle as they move from the 'Green' zone to the 'Yellow' or 'Red' zones. Use the side-view mirrors and rear-view mirror to get better coverage on both sides and rear of the vehicle.

## Visual Park Aid Alert

**Note:** Visual Park Aid Alert is only available when the transmission is in Reverse (R).

The system uses 'Red', 'Yellow' and 'Green' highlights which appear on top of the video image when an object is detected by the reverse sensing system. The alert highlights the closest object detected. The reverse sensing alert can be disabled and if visual park aid alert is enabled, highlighted areas are still displayed.

## Manual Zoom

### WARNING



When manual zoom is on, the full area behind the vehicle is not shown. Be aware of your surroundings when using the manual zoom feature.

**Note:** Manual zoom is only available when the transmission is in Reverse (R).

**Note:** When manual zoom is enabled, only the centreline is shown. This allows you to get a closer view of an object behind the vehicle.

The zoomed image keeps the bumper in the image to provide a reference. The zoom is only active while the transmission is in Reverse (R).

When the transmission is shifted out of Reverse (R), the feature automatically turns off and must be reset when it is used again.

Selectable settings for this feature are 'ON' and 'OFF'.

## Rear Camera Delay

The camera image is displayed upon shifting out of Reverse (R) until the vehicle speed reaches 8 km/h. This occurs when the rear camera delay feature is on, or until the radio button is selected.

Selectable settings for this feature are 'ON' and 'OFF'. The default setting for the rear camera delay is 'OFF'.

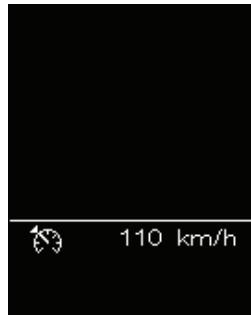
# Cruise Control

## CRUISE CONTROL

### WARNING

 To avoid the possibility of loss of control, the cruise control should not be used in heavy traffic (city driving) or on winding, slippery or unsealed roads.

The cruise control system attempts to maintain the vehicle speed set by the driver. The system has a set speed display in the MFD. When the cruise control is set, it shows the speed the cruise control is trying to achieve. When in coast, it shows the previously set speed.



Illuminated if CRUISE is enabled

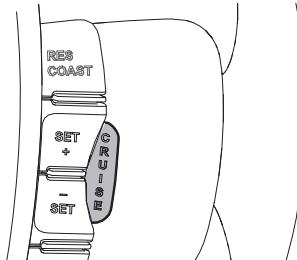


The cruise control system has been designed to allow easy setting to speed 'zones'. For convenience, there is an indexing capability which adjusts the set speed to the next speed zone up or down as directed by the driver; for example, 60 km/h, 70 km/h, 80 km/h and so on.

This function can also be controlled using Voice Control. Refer to the SYNC® manual for further details.

### To Enable Cruise Control

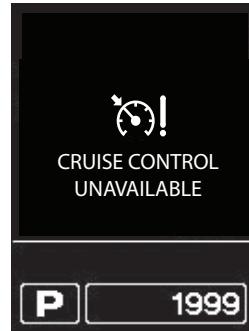
Place your fingers underneath the 'CRUISE' button and press towards you to enable the cruise control system.



The MFD indicates  when the cruise control is enabled and ready to be set.



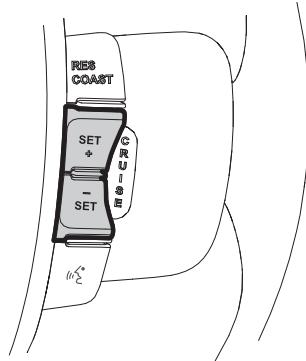
The 'CRUISE CONTROL UNAVAILABLE' pop-up may display if the cruise control is not ready, or there is a fault in the system.



# Cruise Control

## To Set a Speed

With the cruise control enabled, press either of the 'SET' switches located on the steering wheel to set and store the current vehicle speed.



The 'CRUISE SET' indicator (Green) illuminates, a pop-up is displayed in the main screen for two seconds and the set speed is displayed.



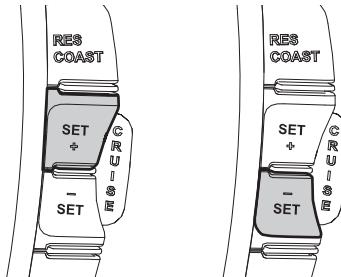
The vehicle will now control to the set speed (in this example 110 km/h).

## Speed Adjustment

The cruise control system provides two methods for adjusting the set speed. These are 'Coarse' and 'Fine' adjustment.

### Fine Adjustment

A fine adjustment is possible tapping either SET+ or SET-. This adjusts the set speed up or down by an increment of 1 km/h.



### Coarse Adjustment ('Indexing')

A coarse adjustment is possible by "indexing". To index press and hold either SET+ or SET-.

Release when the set display rounds up or down to the next 10 km/h increment. If a further index is required, the process is repeated. Examples of coarse adjustment are featured on the next page.

## WARNINGS



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

# Cruise Control

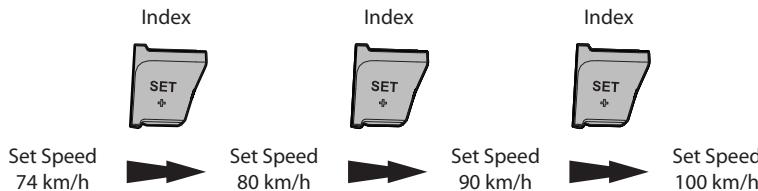
## Coarse Adjustment ('Indexing'):

### Example 1

Current vehicle speed      **74 km/h**

Desired cruise speed      **100 km/h**

- Index UP. **74 km/h** indexes to **80 km/h**
- Index UP. **80 km/h** indexes to **90 km/h**
- Index UP. **90 km/h** indexes to **100 km/h**

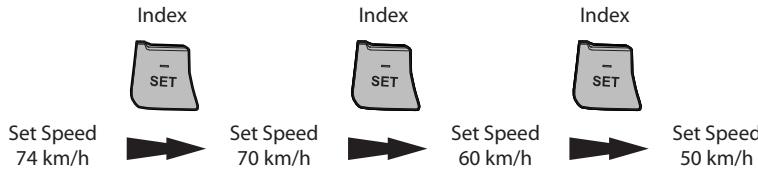


### Example 2

Current vehicle speed      **74 km/h**

Desired cruise speed      **50 km/h**

- Index DOWN. **74 km/h** indexes to **70 km/h**
- Index DOWN. **70 km/h** indexes to **60 km/h**
- Index DOWN. **60 km/h** indexes to **50 km/h**



# Cruise Control

## Pedal Override

The cruise control may be overridden by use of the accelerator pedal for overtaking and so on. When the pedal is released, the vehicle returns to the set speed shown.

The set speed flashes on/off when in override.

If the driver accelerates the car to a higher road speed than the set speed shown on the cluster, and presses either the SET+ or SET- buttons, the cruise control automatically sets to the new road speed.

This is also the case if the vehicle picks up speed going down a hill and the driver presses SET+.

## To Coast

The cruise control can be temporarily disengaged by momentarily pressing the 'RES COAST' button. The 'CRUISE SET' indicator(Green) will goes off and the set speed display has a strike-through.



## The cruise control system is also be temporarily disengaged by:

- Pressing either the brake or clutch pedal.
- Manually selecting a gear lower than second gear.
- Manually selecting neutral transmission position.

## To Resume

To resume cruise control, momentarily press the 'RES COAST' button.

The vehicle adjusts its speed to match the last set speed displayed on the instrument cluster. The resume feature will not work if the vehicle speed is below approximately 40 km/h.

**Note:** *The speed of the vehicle cannot be automatically controlled until the vehicle speed is above approximately 40 km/h.*

**Note:** *The cruise control system is disengaged if the vehicle experiences a DSC intervention.*

**Note:** *The cruise control system may not be able to maintain the set speed in certain circumstances (for example, driving up steep hills). If the vehicle speed drops below the set speed by 13-23 km/h, the cruise control system may automatically disengage. You need to manually control the vehicle speed during this time and may resume afterwards.*

*The cruise control set speed extinguishes and displays a strike-through.*

# Driving Hints

## SPEED LIMITER

### WARNINGS

 Always observe the local speed limit and drive safely, adjusting your driving to suit the road and weather conditions.

 To operate your vehicle at speeds exceeding these limits runs the risk of damage to your vehicle and injury to yourself and others. The I4 EcoBoost is speed limited to 200 km/h.

- The XR6, G6 and G6E (non-turbo) sedans are speed limited to 200 km/h.
- The XR6 Turbo and G6E Turbo sedans are speed limited to 230 km/h.
- The XR8 sedans are speed limited to 230 km/h.

If your vehicle is speed limited, this may be felt as a slight surging of the vehicle at top speed.

## EMERGENCY MANOEUVRES

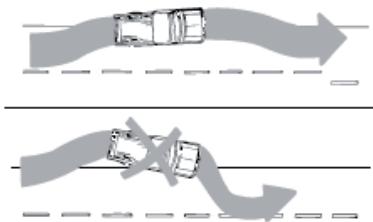
In an unavoidable emergency situation where a sudden sharp turn must be made, remember to avoid 'over-driving' your vehicle; that is, turn the steering wheel only as rapidly and as far as required to avoid the emergency.

Excessive steering results in less vehicle control, not more. Additionally, smooth variations of the accelerator and/or brake pedal pressure should be utilised if changes in vehicle speed are called for. Avoid abrupt steering, acceleration or braking.

Use all available road surfaces to return the vehicle to a safe direction of travel.

In the event of an emergency stop, press the brake firmly and steer to avoid obstacles as necessary. If the vehicle goes from one type of surface to another (that is, from concrete to gravel) there is a change in the way the vehicle responds (steering, acceleration or braking). Avoid these abrupt inputs.

### If Your Vehicle goes off the Edge of the Sealed Road



If your vehicle goes off the edge of the sealed road surface, slow down, but avoid severe brake application. Ease the vehicle back onto the sealed road, only after reducing your speed. Do not turn the steering wheel too sharply while returning to the sealed road surface.

It may be safer to stay on the apron or shoulder of the road and slow down gradually before returning to the sealed road. You may lose control if you do not slow down, or if you turn the steering wheel too sharply or abruptly. It may be less risky to strike small inanimate objects, such as highway reflectors, with minor damage to your vehicle rather than attempt a sudden return to the sealed road, causing the vehicle to slide sideways out of control or roll over. Your safety and the safety of others should be your primary concern.

# Driving Hints

## DRIVING ON SNOW, ICE, MUD OR SAND

### WARNING

 On slippery surfaces do not downshift into first gear (manual transmission) or 1 (auto transmission in 'Manual Mode'). This may induce skidding.

When hazardous driving is encountered due to snow, ice, mud or sand, follow these suggestions.

- Drive cautiously, allowing extra distance for braking.
- Avoid sudden movements, either braking or steering.
- If stalled in snow or sand, use second gear and accelerate slowly. First gear (manual transmission) or 1 (auto transmission in 'Manual Mode') may be used, if necessary. Move slowly to avoid spinning the rear wheels.

### CAUTION

 Before driving in sub-zero temperatures, ensure that sufficient anti-freeze protection is added to the cooling system. Refer to the 'Fluid Specification' section in the Customer Assistance, Warranty and Service Guide.

## If your Vehicle is Stuck in Mud or Snow

### WARNINGS

 Ensure there are no pedestrians or objects near the vehicle if trying to rock your vehicle free. The movement of the car in this situation may be unpredictable.



Do not spin the wheels excessively as this may cause personal injury to bystanders and/or premature failure of driveline components.

Your vehicle is not designed to be driven off-road. However, you may still encounter a situation where your vehicle becomes lightly bogged, for example in a muddy car park or in snowy conditions.

In this type of situation, it may be possible to rock the vehicle free by alternating between forward and reverse gears whilst using a light accelerator pedal pressure. Should this not be effective, Ford recommends contacting a professional recovery service.

### CAUTION

 Avoid alternating between forward and reverse gears at vehicle speeds greater than 3-4 km/h. Failure to observe this may result in driveline damage.

## Snow Chains

### WARNINGS

 Incorrectly fitted chains may cause damage to your vehicle.

 Snow chains may only be fitted to 215/60R16 tyres.

 Do not fit snow chains to an axle where a temporary spare is fitted.

Only use snow chains on the driven (rear) wheels. Do not exceed 40 km/h when the chains are fitted. In order to avoid damage, remove wheel covers before driving with snow chains. Remove the chains immediately on roads free of snow and ice.

## Driving Hints

Consult an authorised snow chain dealer to obtain chains of the correct size for your vehicle and advice regarding snow chain fitment.

If snow chains are fitted to your vehicle, ensure that they are fitted properly.

### Deep Water

Do not drive through flooded areas unless you are sure that the water is below the bottom of the wheel rims.

If you must drive through water, drive slowly. You may have limited traction or wet brakes, so allow extra stopping distance because your vehicle will not stop as quickly as usual.

After you drive through the standing water, apply your brakes gently several times as your vehicle moves slowly. This helps to dry the brakes.

### POWER STEERING

#### CAUTION

 If, when turning the vehicle, it is necessary to hold the steering wheel against the turn stops, allow the wheel to return slightly from this maximum position to avoid possible damage to the power steering pump.

### 'FAIL SAFE' COOLING SYSTEM (4.0L DOHC DI-VCT I6, ECOLPI AND 4.0L DOHC DI-VCT TURBO I6 ONLY)

#### WARNING

 Do not use the 'Fail Safe' cooling system to drive for extended periods. Drive your vehicle to a safe

location and have the source of the problem determined as soon as possible.

**Note:** *This feature is standard on six-cylinder petrol and EcoLPi engines.*

**Note:** *This feature is not available on four-cylinder EcoBoost).*

Your vehicle features a 'Fail Safe' cooling system which prevents engine damage if the cooling system fails unexpectedly.

The vehicle senses the engine overheating and automatically begins shutting down cylinders. This allows you to continue driving until it is safe to pull over.

The vehicle's operation may be limited when the 'Fail Safe' cooling system is engaged. If the engine temperature warning indicators are activated, the 'Fail Safe' cooling system may engage. A drop in vehicle speed and performance indicates the system is operating.

If the vehicle is operated in extreme conditions or a high load situation, for extended periods in 'Fail Safe' cooling mode, the engine temperature warning light flashes and the audible warning becomes continuous. This means that the 'Fail Safe' system is unable to keep the engine cool enough to continue operation without being damaged. The engine will shut down after fifteen seconds.

# Load Carrying

## GENERAL DEFINITIONS

Before loading your vehicle, familiarise yourself with the following terms:

### Mass

Mass is also generically called weight.

### Kerb Mass/Unladen Mass

The mass of the vehicle in running order, unoccupied and unladen with all fluid reservoirs filled to nominal capacity, including fuel and with all standard equipment.

It does not include occupants or luggage, or towball download.

### Payload

All weight added to the vehicle itself, including luggage (cargo) and occupants.



### Laden Vehicle Mass (LVM)

The Vehicle Kerb (Unladen) Mass plus Payload.



### Gross Vehicle Mass Rating (GVMR)

The maximum allowable mass of the fully laden vehicle (including all options, equipment, occupants and luggage).

**Note:** The Laden Vehicle Mass (LVM) must never exceed the Gross Vehicle Mass Rating (GVMR)

### WARNING

Exceeding the gross vehicle mass rating (GVMR) could result in substandard vehicle handling, performance, engine, transmission and/or structural damage, serious damage to the vehicle, loss of control and personal injury.

### Towball Download

The amount of load that a trailer exerts down onto the vehicle towball.

### Laden Trailer Mass (LTM)

The mass of the trailer (including the towball download), plus the trailer contents.

### Gross Combination Mass (GCM)

The mass of the laden vehicle (LVM) plus the mass of the fully laden trailer (LTM)

### Gross Combination Mass Rating (GCMR)

The maximum allowable mass of the vehicle and the loaded trailer, including all luggage and occupants that the vehicle can handle, provided the vehicle axle ratings are not exceeded.

**Note:** The GCM must never exceed the GCMR.

### Gross Axle Load (GAL)

The total load carried by a single axle (front and rear), due to the vehicle kerb/unladen mass, including any optional/aftermarket equipment, plus the loads resulting from any luggage (cargo), all occupants and the towball download.

# Load Carrying

As measured at the wheels to ground interface.

## Gross Axle Load Rating (GALR)

The maximum allowable load that can be carried by a single axle (front or rear).

Refer to the listed load limits values in the 'Trailer Towing' section of this manual..

## Gross Axle Load Rating - Rear (GALR-Rr)

Is the maximum permissible value for the gross axle load on the rear axle.

### WARNINGS

 Do not exceed the GVMR or the GALR.

 Do not use replacement tyres with lower load carrying capacities than the originals because they lower the vehicle's GVMR and GALR. Replacement tyres with a higher load capacity than the originals do not increase the GVMR and GALR. Refer to your authorised Ford dealer for advice.

 Exceeding either the gross axle load rating (GALR) or (GCMR) could result in substandard vehicle handling/performance, engine/transmission and/or structural damage, serious damage to the vehicle, loss of control and/or personal injury.

 The loads for your vehicle will be dependent upon which model and features are fitted. So where uncertain, measure using a public or commercial weigh station, the mass of laden vehicle, rear axle loads and the load on the trailer axles. Confirm compliance to GVMR, GCMR and GALR ratings.



At higher laden vehicle mass and / or trailer towing combinations, ensure tyre pressures are set to the 'Maximum Load' pressures. Refer to the tyre placard (located on the inside of the glove-box lid) and the 'Trailer Towing' section of this manual. For your specific load application, the trailer load on the towball may need to be reduced, in order to not exceed the vehicle limits. This may be achieved by changing the trailer load distribution where practicable, or alternatively may require the vehicle occupant and luggage loads to be adjusted/restricted.



For safety and vehicle handling requirements, the trailer must maintain a reasonable download on the towball (typically 10% of the LTM). The towball download varies in order to comply with GALR, GVMR, and GCMR ratings.

## GUIDE TO DETERMINING AND ADJUSTING VEHICLE LOADS

1. Use the appropriate maximum values from the Towing and Load Limits' table in the 'Trailer Towing' section of this manual.
2. Weigh your vehicle as you customarily operate the vehicle with limited occupants and luggage, and determine the front and rear GAL and trailer mass values separately when towing. To obtain correct values, take your vehicle to a public or commercial weigh station.
3. Add and adjust loads, and confirm compliance to the applicable ratings by reweighing the vehicle and trailer, where appropriate or uncertain.

# Load Carrying

As a guide to assist in adjusting the axle and vehicle loads, the following table has been provided. It displays the approximate loads that are carried by the rear axle when occupants, luggage and trailer towball downloads are changed or applied.

These values may be used to predict the approximate effects of adjusting loads as a variance to the values established after the vehicle has been initially weighed.

Guide to Rear Axle Load Determination		
Load Location	Load Addition* to Vehicle (kg)	Resultant Increase* in Rear Axle Load (kg)
Roof Luggage (evenly distributed)	Per 10 kg addition	5 to 8 kg increase
1st Row Occupants (depending on seat position)	Per 10 kg addition	4 to 6 kg increase
2nd Row Occupants	Per 10 kg addition	8kg increase
Luggage (above spare wheel )	Per 10 kg addition	11 to 13 kg increase
Towball Download	Per 10 kg addition	14 kg increase

\* Reducing the load in the vehicle results in a decrease to the Rear Axle Load by the same amounts above.

This table may be useful pending the confirmation of compliance to the applicable ratings by weighing the vehicle and trailer where appropriate or uncertain.

## ROOF CARRY BARS (if equipped)

Luggage can be carried on the roof after the (Ford-approved) roof carry bars are secured, according to the installation instructions supplied with the accessory.

### WARNINGS

 When using the roof rack, make sure that the total load carried by the roof rails does not exceed 75 kg. Evenly distribute the cargo load to the roof-rack mounting points (both fore/aft and across the vehicle). Overloading or incorrectly distributing the load may cause damage to the vehicle.

 For cargo carrying purposes, the roof rails must be used together with the roof rack/bars. The roof rails must never be used alone to carry cargo. Otherwise, damage to the roof or a loss of cargo may result.

 When carrying luggage on the roof rack, ensure that the GALR and GVWR are not exceeded.

 If you must carry a load on the roof rack of the vehicle, use extra caution when driving, and ensure the load is secured. Remember that the vehicle's centre of gravity is altered by the mass of the load on the roof, thus affecting the driving characteristics. Drive carefully. Avoid rapid starts, hard cornering and abrupt stops. Crosswind effects will be increased.

## Load Carrying

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### If Your Vehicle is Fitted with a Roof or High-Mounted Rack and Cargo

To maintain handling performance, it is recommended for each 10 kg of roof rack and roof cargo reduce by typically 20 kg from the applicable GALR-Rear (that is, reduce the maximum permissible load on rear tyres).

This may require reduction of speed appropriate to the prevailing conditions.

#### **WARNING**

 When carrying luggage on the roof rack, ensure that the reduced GALR-Rear is not exceeded.

 Cylinders of flammable gas may leak and create a risk of fire or explosion. As a precaution, ensure adequate ventilation when carrying gas cylinders.

 Ensure tyre pressures are set correctly.

# Trailer Towing

## TRAILER TOWING

Your vehicle is designed primarily as a passenger vehicle, but it may also be used to tow a trailer when a Ford-approved towing package is fitted, (without limiting your rights under the Ford Vehicle Warranty) provided you comply with all of the instructions in this section.

Trailer towing can affect the handling, durability and fuel economy of your vehicle. The towing capability of your vehicle depends on the vehicle specification, load carried and condition, driving style, trailer size and specification and also road, terrain and weather conditions.

Trailer towing puts additional loads on your vehicle's engine, transmission, axle, brakes, tyres, and suspension. For safety and to maximise vehicle performance, be sure to use the proper equipment while towing. Follow these guidelines:

1. Stay within your vehicle and trailer load limits.
2. Thoroughly prepare your vehicle for towing.
3. Use extra caution when driving while trailer towing.
4. Service your vehicle and perform journey checks.
5. Observe speed and initial load restrictions.

Detailed explanations of the above guidelines are included in the following pages.

## VEHICLE AND TRAILER LOAD LIMITS

The maximum permissible towed mass is dictated by vehicle and towbar design. There are also legal limits which depend on whether brakes or other equipment are fitted to the trailer, caravan, or other towed equipment which may vary according to the State or Territory in which your vehicle is operated. Check the laws and regulations in the location in which you will be towing before starting the journey.

### Maximum Towing Mass

Maximum towing mass for applicable sedan vehicle is:

Vehicles with manual transmission (6 Cyl)	<b>1,200 kg</b>
Vehicles with automatic transmission (4 Cyl EcoBoost) and (8 Cyl AT/MT)	<b>1,600 kg</b>
Vehicles with automatic transmission (6 Cyl.)	<b>2,300 kg</b>

Refer to the following pages for requirements for appropriate towpack and vehicle operation restrictions.

### Vehicle Load Limits Applicable to Both Standard and Heavy Duty Towpack

Refer to the Towing and Vehicle Load Limits table in this section. The maximum limits and ratings for the applicable model, powertrain and tyre combination are shown. Refer to the following text regarding towball, tyres and towpacks and the Towing and Load Limits table.

# Trailer Towing

## WARNING

 Do not exceed the applicable maximum permissible loads. Exceeding the GALR or maximum towing mass or towball download, or speed restrictions could result in substandard vehicle handling / performance, engine / transmission and / or structural damage, serious damage to the vehicle, loss of control and/or personal injury. Where uncertainty exists, confirm your vehicle and trailer's adherence to the applicable ratings / limits, by using a public or commercial weigh station.

## Towball Download

To remain below the applicable towpack, towing and vehicle limits, the trailer towball download may need to be rebalanced; and or the luggage may need to be transferred from the vehicle to the trailer being towed where appropriate; and / or the number of occupants restricted.

## WARNING

 Where higher occupant and luggage loads are desired, and to not exceed GALR ratings; the towball download may need to be less than the typical 10% of laden trailer mass. This may be achieved where practical by changing the load distribution on the trailer. Alternatively the vehicle occupant and luggage loads may require adjustment or be restricted.

For safety and vehicle handling requirements, the trailer must maintain a reasonable download on the towball; (typically 5 to 10% of laden trailer mass, depending on trailer-load design).

If the vehicle occupants or luggage are reduced during the journey, rebalance the trailer load to increase the towball download, up to the typical 10% of the laden trailer mass. Ensure the GALR for the axles are not exceeded before continuing the towing journey.

## WARNING

 When towing with towball downloads at less than the typical 10% of laden trailer mass to avoid deterioration of steering control of the trailer, then additional driving caution and reduced speed may be necessary and / or may require the laden trailer mass to be reduced.

## Tyres

## WARNING

 Do not use replacement tyres with lower load carrying capacities than the original / specified tyres, as they lower the vehicle's limitations. (Refer to the Towing and Vehicle Load Limits table in this section).

Replacement tyres with a higher limit than the originals do not increase the GALR limitations above the values in the table. Refer to your authorised Ford dealer for advice.

## WARNINGS

 Ensure tyre pressures are set correctly. Refer to the tyre placard (located on the inside of the glove box lid), the information in this section and to the tyre pressure tables in the 'Wheels and Tyres' section of this manual for further information.

# Trailer Towing

**!** When the temporary space saver spare unit is fitted to the vehicle, drive with caution. Refit the standard wheel as soon as possible. Do not exceed 80 km/h and 2,268 kg towing mass when driving with the temporary space saver spare fitted, as the vehicle's handling and braking performance will be affected. To minimise the effect on the vehicle's performance, it is recommended to attach it in place of a front wheel. Where a rear wheel requires temporary replacement, it is recommended to transfer a front wheel to the rear where practical, for both towing and non-towing conditions.

Refer to your trailer tyre supplier for applicable trailer tyre pressures.

## Tyre Pressures for Towing

At higher vehicle laden mass and / or trailer towing combinations, ensure tyre pressures are set to the 'Maximum Load' pressures as laid out on the tyre placard (located on the inside of the glove box) and also in the tyre pressure tables in the 'Wheels and Tyres' section of this manual.



## General

Refer to previous section for determining and adjusting vehicle loads.

### WARNING

**!** The loads for your vehicle will be dependent upon model and features fitted. So where uncertain, use a public or commercial weigh station to measure the mass of the laden vehicle, both front and rear axle loads and the load on the trailer axles. Confirm compliance to applicable ratings.

## Standard Duty Towpack

Equipment required:

- Ford approved standard duty 1,600 kg-rated towbar.
- Ford approved Standard Duty 1,600 kg-rated gooseneck/tongue.
- Ford approved trailer wiring kit.
- ADR approved towball.

## Load Limits Specific to Standard Duty Towpack

- The weight of the trailer and all its load and equipment (LTM) must not be greater than 1,600 kg.
- The weight on the towball must not be greater than 160 kg.

Do not exceed the applicable values listed in the Towing and Vehicle Load Limits table in the 'Trailer Towing' section of this manual.

# Trailer Towing

## WARNING

 Aftermarket load levelling kits or weight distribution hitches are not approved for use on the Ford-approved standard duty towbar.

## Heavy Duty Towpack

Refer to your Ford dealer for fitment with the following equipment:

- Ford approved heavy-duty towbar.
- Ford approved heavy-duty 2,300 kg gooseneck/tongue and load-levelling kit.
- Ford approved trailer wiring kit.
- ADR approved towball.

For instructions regarding the installation and usage of the Ford-approved 2,300 kg gooseneck and load-levelling kit, please refer to the information supplied with the load-levelling kit.

## Load Limits Specific to Heavy Duty Towpack

- The Ford-approved heavy-duty towbar when used with the 2,300 kg gooseneck, incorporating the load-levelling device, must not tow a trailer with all its load and equipment (LTM) greater than 2,300 kg.
- The weight on the towball must not be greater than 230 kg prior to the application of the load levelling device. Also for towball downloads greater than 160 kg, the load-levelling device must be applied.
- Do not exceed the applicable values listed in the Towing and Vehicle Load Limits table in this section.

- The front axle and tyre loadings of the laden vehicle, after the application of the level-ride system, must not exceed the GALR-Front, of 1165 kg. Refer to the Towing and Vehicle Load Limits table in this section.
- The Rear axle and tyre loadings of the laden vehicle, after the application of the level-ride system, must not exceed the applicable GALR-Rear, either prior to / or after the application of the level ride system.

**Note:** For convenience, the Ford-approved heavy-duty towbar is supplied with a 1,600 kg capacity gooseneck for use when towing a trailer mass not exceeding 1,600 kg. The heavy-duty towbar may be used to tow a trailer up to 1,600 kg LTM using the 1,600 kg gooseneck. With this gooseneck, the weight on the towball must not be greater than 160 kg.

Aftermarket load-levelling kits or weight distribution hitches are not suitable for use on the Ford approved 1,600 kg heavy-duty gooseneck. The Ford approved 2,300 kg gooseneck incorporating the load-levelling kit, must be used when the LTM is greater than 1,600 kg, or the towball download exceeds 160 kg.

# Trailer Towing

## General Equipment Advice for Both Standard and Heavy Duty Towpacks

Load the trailer so that the weight on the towball is 10% of the towed weight, to avoid detracting from its handling.

Torque the towball retaining nut to 175 Nm (130 lb ft), or to the manufacturer's specification, and check the torque frequently.

If the towbar tongue/gooseneck or the towball obscures the registration number plate or is a hazardous projection, remove it from the vehicle when not in use.

Booster springs or 'Super Lift' shock absorbers do not increase the towing capacity or load limits of the vehicle and towbar system. To retain the benefits of the Ford Vehicle Warranty, do not exceed the load limits.

## Towing with V8 Vehicles

### CAUTION

 The genuine Ford towbar and trailer wiring kit has been designed to integrate with the vehicle's engine and drivetrain calibrations. Use of a non-Ford towpack may affect the vehicle's performance and damage the vehicle's driveline. Any damage caused by the use of a non-Ford towpack will not be covered under the vehicle's warranty.

## PREPARING TO TOW

Refer to the instructions included with towing accessories for the proper installation and adjustment specifications for your towing system.

Use the proper equipment for towing a trailer and make sure it is properly attached to your vehicle. See your authorised Ford dealer or a reliable trailer dealer if you require assistance.

Before commencing a journey, check that the towing equipment, lights, fluid levels, mirrors, tyres and tyre pressures and all gauges, controls and instruments operate correctly. Check all items frequently during the journey.

It is advisable to confirm compliance to the GALR, GVM and trailer load limits by using a public or commercial weigh station.

## Safety Chains

Always connect the trailer's safety chains to the frame or hook retainers of the vehicle towbar. To connect the trailer's safety chains, cross the chains under the trailer towball and allow slack for turning corners.

If you use a rental trailer, follow the instructions that the rental agency gives to you.

Do not attach safety chains to the bumper.

# Trailer Towing

## Trailer Brakes

Electric brakes and manual, automatic or surge-type trailer brakes are safe if installed properly, and adjusted to the manufacturer's specifications. The trailer brakes must meet local and Federal regulations.

### WARNING

 Do not connect a trailer's hydraulic brake system directly to your vehicle's brake system. Your vehicle may not have enough braking power and your chances of having a collision greatly increase.

## Trailer Lamps

Trailer lamps are required on most towed vehicles. Make sure all running lights, brake lights, turn signals and hazard lights work correctly. See your authorised Ford dealer or trailer rental agency for proper instructions and equipment for connecting the trailer lamps.

### WARNING

 Never connect any trailer lighting to the vehicle's tail lamp circuits, because it may damage the electrical system. Contact your authorised Ford dealer for assistance in proper trailer tow wiring installation. Additional electrical equipment may be required.

## Tyres

Refer to 'Vehicle and Trailer Load Limits' in this section for advice on tyres and tyre pressures.

## VEHICLE OPERATION WHILE TOWING

The behaviour of your vehicle changes while towing a trailer. For example, if your trailer runs off the paved highway surface onto the road shoulder, resist the temptation to quickly turn the steering wheel to bring the trailer back onto the road. Instead, allow the left wheels of the vehicle to also run off onto the shoulder (if safe), then wait for the right conditions to steer the vehicle back onto the road. This should reduce any abrupt swerving reaction.

### WARNINGS

 The reverse sensing system is disabled when the trailer plug is connected to a genuine Ford socket.

 There are legal limits for vehicle speeds when towing. Check the provisions of the relevant laws and regulations in the location in which towing is to be undertaken, before commencing your journey.

## Braking

Allow a greater stopping distance than normal to prevent excessive braking. Avoid sudden or violent stops that could cause trailer slewing.

## Gear Changing

To prevent the engine labouring when climbing hills or driving in strong headwinds and so on, and to assist braking when driving down hill, manually select a suitable lower gear. Refer to the 'Transmission' section of this manual for advice on gear selection.

# Trailer Towing

**Note:** When towing heavy loads or in hilly terrain, it is recommended that 'Performance Automatic Mode' is selected. This results in cooler transmission temperatures and additional engine braking.

## Overtaking

The ability of the vehicle to accelerate when towing is reduced. Allow greater overtaking distances when towing a trailer.

## Parking

### WARNINGS



Vehicles with trailers should not be parked on a grade (incline). If you must park on a grade, place wheel chocks under the trailer's wheels.



The catalytic converter becomes extremely hot during engine operation and continues to radiate heat after the engine is turned off. Do not park, idle or drive your vehicle in dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system, which can start a fire.

## SERVICING YOUR VEHICLE AND JOURNEY CHECKS

Refer to 'Preparing to Tow' in this section for checks before and during the journey.

After you have travelled a short distance and again before 80 km, thoroughly check your hitch, electrical connectors and trailer wheel nuts.

Service your vehicle more frequently if you tow a trailer. Refer to the severe duty schedule in the Customer Assistance, Warranty and Service Guide.

Refer to a reputable trailer supplier for appropriate trailer checks and service requirements.

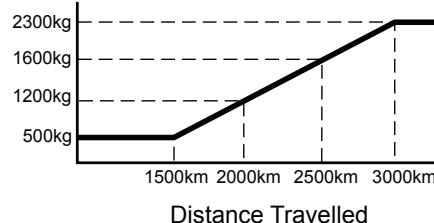
## SPEED AND INITIAL LOAD RESTRICTIONS - ITEMS i) and ii)

### i) New Vehicle Towing Mass Restrictions (when towing with a new vehicle)

To help prevent damage to your new vehicle, it is recommended to limit the towed mass for the first 3,000 km of travel as per the diagram below.

**Note:** The load which your vehicle can tow is dependent on many factors. Refer 'Vehicle and Trailer Load Limits' in this section for further information. Also refer to the severe/unusual conditions requirements contained in the service schedule, outlined in the Customer Assistance, Warranty and Service Guide.

#### Towed Weight



# Trailer Towing

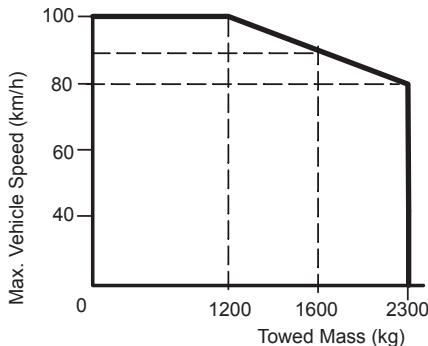
**Note:** If loads in excess of 1,200 kg are towed for an extended period and/or continuous high-speed operation occurs during the vehicle run-in period, change the rear axle oil at the 15,000 km service.

## ii) Maximum Vehicle Speed when Towing

If your vehicle has never been used for towing before, and you are towing heavy trailers or trailers with high aerodynamic drag (for example, horse floats or full sized caravans) then your vehicle speed should not exceed 85 km/h for the first 500 km of towing.

### WARNINGS

 After the prior restrictions have been completed, the vehicle towing speed should not exceed the prescribed legal speed limits or the limits shown in the graph below (whichever is the lesser). The progressive reduction in this limit applies to all sedan vehicles, according to the LTM, that must not exceed the listed model transmission limits.



## Trailer Towing Tips

- Practice turning, stopping and backing up before starting on a trip to get the feel of the vehicle / trailer combination.
- When turning, make wider turns so the trailer wheels will clear kerbs and other obstacles.
- To aid in engine/transmission cooling and A/C efficiency during hot weather, place the gearshift lever in P (Park) while stopped in traffic.
- If you are driving down a long or steep hill, shift to a lower gear.
- Do not apply the brakes continuously, as they may overheat and become less effective.
- Also refer to websites and publications relating to caravaning /towing / motoring for additional advice provided by authorities, associations and organisations involved with transport, traffic, automotive, caravanning, trailers, motoring, and so on, for additional driving-towing tips.

## Trailer Towing

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### Launching or Retrieving a Boat

When backing down a ramp during boat launching or retrieval:

- Do not allow the static water level to rise above the bottom edge of the rear bumper.
- Do not allow waves to break higher than 15 cm above the bottom edge of the rear bumper.
- Recheck electrical functions of the vehicle and trailer after each retrieval.
- Check the brake operation of both vehicle and trailer. Wet brakes do not stop the vehicle as effectively as dry brakes. You can dry the brakes faster by driving the vehicle slowly whilst applying light pressure on the brake pedal.
- Exceeding these limits may allow water to enter vehicle components which could cause internal damage to the components and affect driveability, emissions and reliability.

### Fuel Consumption

The following suggestions may assist you in developing your driving techniques and in obtaining improved economy:

- Observe the running-in advice in the 'Introduction' section of this manual.
- When your vehicle is run in, drive at steady speeds where possible and avoid jiggling the accelerator.
- Warming the engine is not necessary.
- Keep the tyres inflated to the correct pressure.
- Have the vehicle serviced regularly in accordance with the service schedule.
- Use full throttle as little as possible.
- Drive at moderate speeds; the best fuel economy is achieved between 60 km/h and 100 km/h. Constant low speed driving does not necessarily give good fuel economy.
- Anticipate traffic conditions ahead and slow down gradually with minimal use of brakes.

## Trailer Towing

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<b>TOWING AND VEHICLE LOAD LIMITS</b> refer legend notes <b>a)</b> through <b>i)</b> below		(kg)
<b>Maximum Towball Download <b>b) e)</b></b>		
Using Ford-Approved 1600kg Towing System		160
Using Ford-Approved 2300kg Towing System (not compatible with EcoBoost)		230
<b>Maximum Towing Mass (Laden Trailer Mass Max) <b>b)d)</b></b>		
With unbraked trailer (all models)		750
With braked trailer and manual transmission <b>d)</b>		1200
With braked trailer and automatic transmission (EcoBoost) (XR8 auto/manual) <b>d)</b>		1600
With braked trailer, automatic transmission and heavy-duty kit (6 cylinder) <b>d)</b>		2300
<b>Laden Vehicle Mass Maximum</b>		
(GVM) <b>a) f)</b> - Where mass distributed as five occupants, luggage 68 kg, including fitted options and accessories		
G6, XR6, G6E models (for EcoLPi option add 40kg)		2210
Turbo models (XR6 Turbo, G6E Turbo)		2250
XR8		2320
<b>Vehicle Gross Axle Load Rating Rear (GALR-Rr) - when Towing <b>f) i)</b></b>		
ALL	Fitted tyres - 95, 96 or 97 load index rated tyres and space saver spare	1330
	Fitted tyres - 93 load index rated tyres	1250
ALL	When vehicle is not towing the applicable GALR-Rear shall not be exceeded.	
<b>Vehicle Gross Axle Load Rating Front (GALR Front)</b>		
<b>All</b> vehicles: Must not be exceeded for either laden vehicle towing or non-towing conditions <b>g)</b>		1165

## Trailer Towing

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### **Notes:** General

**a)** Unless specifically authorised by Ford, the limits in the table above and in the 'Vehicle Loading (with/without trailer)' section and 'Trailer Towing' section of this manual are not to be exceeded.

**b)** The above maximum values are authorised and applicable only when using the appropriate Ford-approved towbar and load distribution system. The maximum towball download and maximum towing mass d) values; are only permitted where the applicable GALR values of the towing vehicle are not exceeded.

Refer to 'General Definitions' in 'Vehicle Loading (with/without trailer)' section of this manual.

**c)** Confirm the loads do not exceed the above limits by using a commercial or public weigh station where uncertain.

**d)** Refer to 'Trailer Towing' section of this manual for the chart of maximum vehicle speed requirements when towing at higher laden trailer mass values or at maximum towing mass.

**e)** Refer to 'Trailer Towing' section of this manual for heavy-duty towpack requirements

**f)** GALR-Rear values are with NO roof rack accessory and roof luggage. If equipped, refer to 'Vehicle loading (with/without trailer)' section of this manual and included in GVM.

**g)** Gross axle load rating (front) must also not be exceeded for a laden vehicle while towing with a heavy-duty towpack including where the level-ride system is applied.  
**Notes:** *Tyre-Related*

**h)** The load ratings above are based on setting the tyre pressures to the 'maximum load' value of the specified tyres. Refer to the tyre pressure tables in the 'Wheels and Tyres' section of this manual and to the tyre placard (located on the inside of the glove box) for additional load information and driving requirements. Confirm the size and load index rating of the tyres fitted to your vehicle as shown on the side of each tyre, and referenced on the tyre placard (located on the inside of the glove box).

**i)** The use of 95 or 96 load index rated tyres may be more appropriate for your requirements, depending on vehicle options, occupants, luggage and trailer loading needs.

# Fuses and Relays

## FUSES AND RELAYS

### WARNINGS

 Remove the ignition key and switch off all the electrical equipment before changing a fuse or relay.

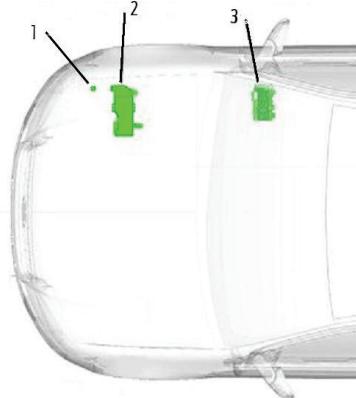
 Always disconnect the battery before servicing high-current fuses. Ford recommends that high current fuses be replaced by a qualified technician.

 Always replace a faulty fuse with a new one of the same rating. Using a fuse with a higher rating can cause severe wire damage and could possibly start a fire.

 Blown fuses are identified by a break in the wire. Even after you replace a fuse, it will continue to blow if you do not find what caused the overload. If the fuse continues to blow, have the electrical system checked by an authorised Ford dealer.

 To reduce risk of electrical shock, always replace the cover to the engine compartment fuse box before reconnecting the battery or refilling fluid reservoirs.

### Fuse Box Locations

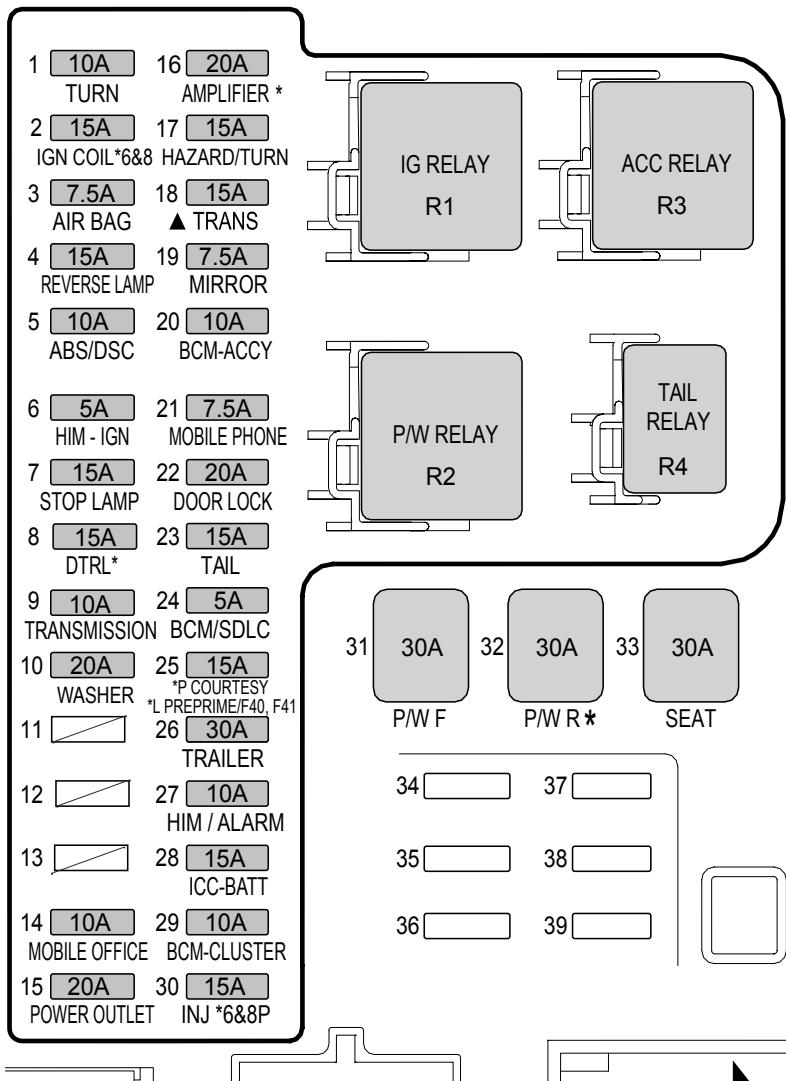


1. Reverse lamp relay (petrol auto transmission).
2. Engine compartment fuses and relays (power distribution box)
3. Instrument panel fuse box (junction box).
4. LPI fuse and relay box.

## Fuses and Relays

### FUSE SPECIFICATION CHARTS

#### Instrument Panel Fuse Box (4, 6 & 8 Cylinder Petrol and EcoLPi)



## Fuses and Relays

<b>Fuse</b>	<b>Amps</b>	<b>Colour</b>	<b>Circuits Protected</b>	<b>Type</b>
1	10	Red	Turn Signal Switch/Memory module (seat)	Ignition
2	15	Blue	Coil Driver (6 & 8 cylinder)	Ignition
3	7.5	Brown	Airbag	Ignition
4	15	Blue	Reverse Lights, Park Aid	Ignition
5	10	Red	DSC / ABS	Ignition
6	5	Tan	HIM	Ignition
7	15	Blue	Stop Lights, (PCM)	Ignition
8	15	Blue	Daytime Running Lights	Ignition
9	10	Red	Transmission	Ignition
10	20	Yellow	Washer Pump	Accessory
11	-	-	Not Used	-
12	-	-	Not Used	-
13	-	-	Not Used	-
14	10	Red	Mobile Phone	Accessory
15	20	Yellow	Power Outlet	Accessory
16	20	Yellow	Amplifier	Battery
17	15	Blue	Turn Signal / Hazard Lights	Battery
18	15	Blue	Transmission (I4)	Battery
19	7.5	Brown	Power Mirrors, Rear Demister Relay, Electrochromatic Mirror	Accessory
20	10	Red	Body Control Module	Accessory
21	7.5	Brown	Mobile Phone	Battery
22	20	Yellow	Door Locks	Battery
23	15	Blue	Tail/Park Lights, Switch Illumination, Display, Cluster, Interior Command Centre	Battery - Tail Relay
24	5	Tan	Body Control Module/SDLC	Battery
25	15	Blue	* <b>Petrol</b> - Interior Lights, Solar Sensor, Gearshift (sports sequential), Rain Sensor	Battery/ Battery Saver
			* <b>EcoLPi</b> - BCM Battery Save Circuit (Preprime PCM, FEED Fuse 40 and 41)	

## Fuses and Relays

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<b>Fuse</b>	<b>Amps</b>	<b>Colour</b>	<b>Circuits Protected</b>	<b>Type</b>
26	30	Green	Trailer	Battery
27	10	Red	HIM, Alarm, Diagnostic connector	Battery
28	15	Blue	Interior Command Centre, Display	Battery
29	10	Red	Instrument Cluster, Body Control Module	Ignition
30	15	Blue	Injectors (petrol) (6 & 8 cylinder)	Ignition
31	30	Pink	Front Power Windows	Battery, BCM Switched
32	30	Pink	Rear Power Windows	Window Relay
33	30	Pink	Power Seats	Battery
34	-	-	Not Used	-
35	-	-	Not Used	-
36	-	-	Not Used	-
37	-	-	Not Used	-
38	-	-	Not Used	-
39	-	-	Not Used	-

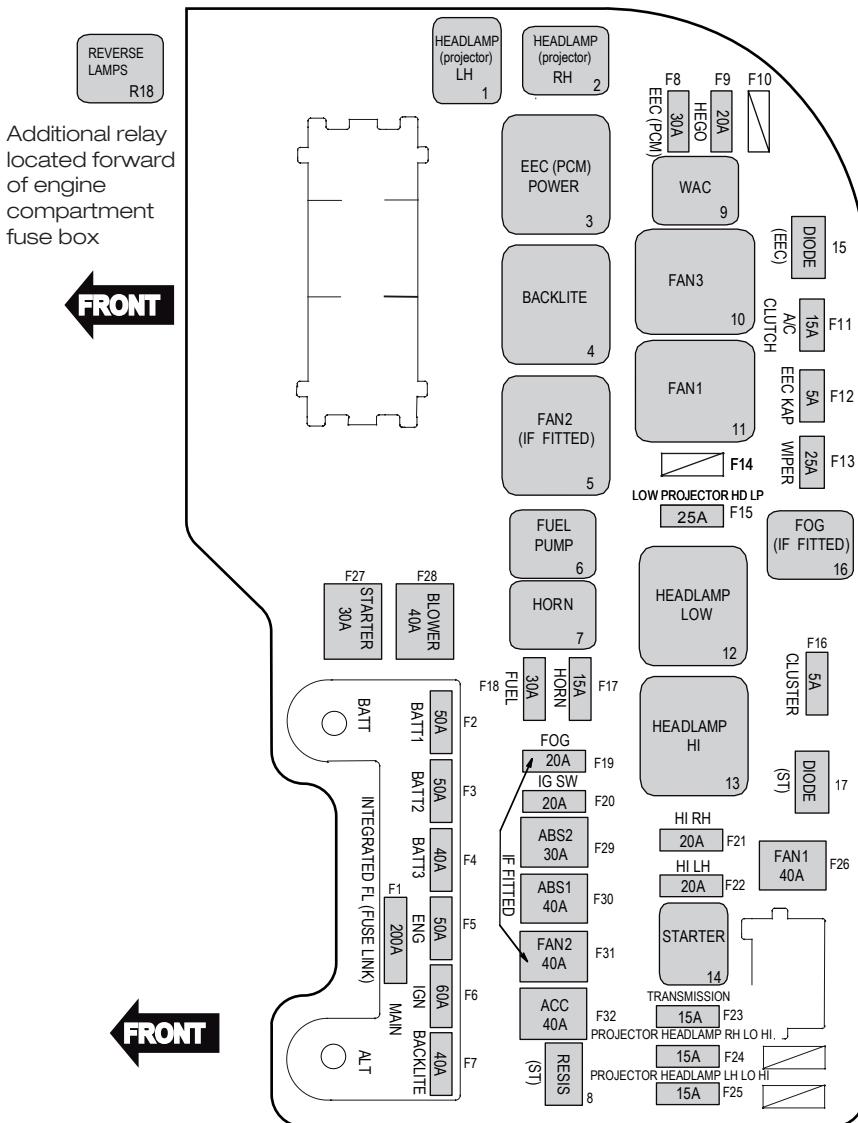
<b>Relay</b>	<b>Colour</b>	<b>Circuit</b>	<b>Type</b>
R1	White	Ignition	Ignition
R2	White	Power Windows	BCM Switched
R3	White	Accessory	Accessory
R4	Black	Tail Lights	Light Switch

**Additional Fuses - Located Above the Instrument Panel Fuse Box (Eco LPi only)**

<b>Fuse</b>	<b>Amps</b>	<b>Colour</b>	<b>Circuits Protected</b>	<b>Type</b>
40	10	Red	Interior Lights, Solar Sensor, Gearshift (sports sequential) - EcoLPi, Rain Sensor	Battery/ Battery Saver
41	5	Tan	Fuel Tank Level Sensor - EcoLPi	Battery/ Battery Saver

# Fuses and Relays

## Engine Compartment Fuse Box (6 Cylinder Petrol)



## Fuses and Relays

---

### Fuse & Relay Box - Power Distribution Box (Engine Compartment) - 6 Cylinder Petrol

<b>Fuse</b>	<b>Amps</b>	<b>Colour</b>	<b>Circuits Protected</b>
F1	200	Black - intergrated fuse link	Main
F2	50	Black - intergrated fuse link	Batt 1
F3	50	Black - intergrated fuse link	Batt 2
F4	40	Black - intergrated fuse link	Batt 3
F5	50	Black - intergrated fuse link	Eng
F6	60	Black - intergrated fuse link	Ignition
F7	40	Black - intergrated fuse link	Backlight (Demister)
F8	30	Green	EEC (PCM), IMCC, VCT
F9	20	Yellow	Hego
F10	-	-	Not Used
F11	15	Blue	Air Conditioning Compressor
F12	5	Tan	EEC (PCM) KAP
F13	25	Natural	Wiper Front
F14	-	-	-
F15	25	Natural	Headlamps - Projector Lamps (Low)
F16	5	Tan	Cluster
F17	15	Blue	Horn
F18	30	Green	Fuel
F19	20	Yellow	Fog Lamp
F20	20	Yellow	Ignition Switch, Alternator, Relay Coil, Fan, Ignition, Accessory
F21	20	Yellow	Headlamp - High - Right
F22	20	Yellow	Headlamp - High - Left
F23	15	Blue	Transmission (Battery)
F24	15	Blue	Headlamp - Low/High-Projector-RH
F25	15	Blue	Headlamp - Low/High-Projector-LH
F26	40	Green	Fan 1

## Fuses and Relays

Fuse	Amps	Colour	Circuits Protected
F27	30	Pink	Starter
F28	40	Green	Blower Fan - Climate Control
F29	30	Pink	ABS 2 DSC2 (DSC VR)
F30	40	Green	ABS 1 DSC1 (DSC MR)
F31	40	Green	Fan 2
F32	40	Green	Accessory

**Note:** Integrated fuse link replacement requires removal of two external nuts (and one internal bolt on the 60A fuse).

## Power Distribution Box - Engine Compartment Relays

Relay	Colour	Circuits switched
1	Black	Headlamp (Projector) - Keep on with High (LH)
2	Black	Headlamp (Projector) - Keep on with High (RH)
3	White	EEC (PCM)
4	White	Backlight (Demister)
5	Green	Fan 2
6	Black	Fuel
7	Black	Horn
9	Black	WAC (Air-Conditioning Compressor)
10	White	Fan 3
11	White	Fan 1
12	White	Headlamp (Low)
13	White	Headlamp (High)
14	Black	Starter
16	Black	Fog

## Power Distribution Box - Engine Compartment Diodes

Diode	Colour	Description
15	Black	EEC (PCM)
17	Black	Starter

## Fuses and Relays

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### Power Distribution Box - Engine Compartment Resistors

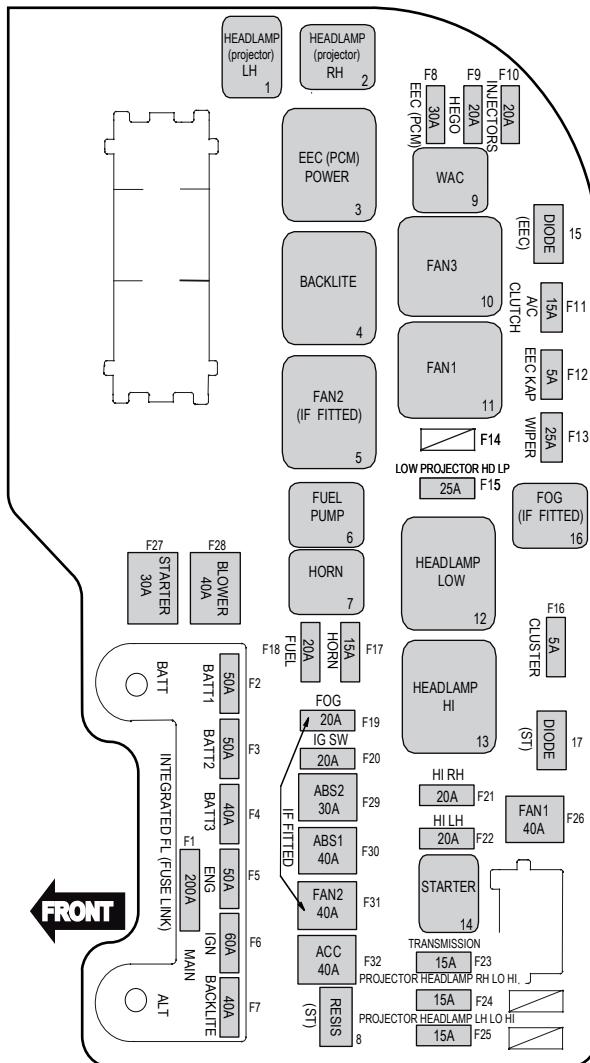
Resistor	Colour	Description
8	Green	Starter

### Additional Relays - Located Forward of the Engine Compartment Fuse Box in the Engine Compartment

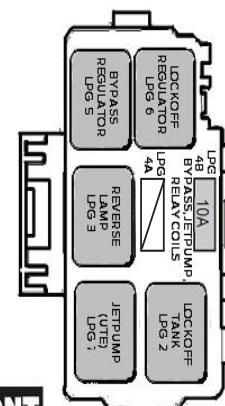
Relay	Colour	Circuits switched
R18	Black	Reverse Lamps (6-Speed Automatic Transmission)

# Fuses and Relays

## Engine Compartment Fuse Box (EcoLPi)



Additional fuses and relays next to Powertrain Control Module (PCM) (LPG)



## Fuses and Relays

---

<b>Fuse and Relay Box - Power Distribution Box (Engine Compartment) - EcoLPi</b>			
<b>Fuse</b>	<b>Amps</b>	<b>Colour</b>	<b>Circuits Protected</b>
F1	200	Black - integrated fuse link	Main
F2	50	Black - integrated fuse link	Batt 1
F3	50	Black - integrated fuse link	Batt 2
F4	40	Black - integrated fuse link	Batt 3
F5	50	Black - integrated fuse link	Eng
F6	60	Black - integrated fuse link	Ignition
F7	40	Black - integrated fuse link	Backlight (Demister)
F8	30	Green	EEC (PCM), LPG Relay Coils, LPG Bypass and Jet Pump Relay Feed, IMCC, VCT
F9	20	Yellow	Hego
F10	20	Yellow	Injector, LPG Module (LPG Engine)
F11	15	Blue	Air-Conditioning Compressor
F12	5	Tan	EEC (PCM) and LPG module KAP
F13	25	Natural	Wiper Front
F14	-	-	-
F15	25	Natural	Headlamps - Projector Lamps (Low)
F16	5	Tan	Cluster
F17	15	Blue	Horn
F18	20	Yellow	Fuel (LPG)
F19	20	Yellow	Fog Lamp
F20	20	Yellow	Ignition Switch, Alternator, Relay Coil, Fan, Ignition, Accessory
F21	20	Yellow	Headlamp - High - Right
F22	20	Yellow	Headlamp - High - Left
F23	15	Blue	Transmission (Battery)
F24	15	Blue	Headlamp - Low/High - Projector-RH
F25	15	Blue	Headlamp - Low/High - Projector-LH

## Fuses and Relays

Fuse	Amps	Colour	Circuits Protected
F26	40	Green	Fan 1
F27	30	Pink	Starter
F28	40	Green	Blower Fan - Climate Control
F29	30	Pink	ABS 2 DSC2 (DSC VR)
F30	40	Green	ABS 1 DSC1 (DSC MR)
F31	40	Green	Fan 2
F32	40	Green	Accessory

**Note:** Integrated fuse link replacement requires removal of two external nuts (and one internal bolt on the 60A fuse).

## Power Distribution Box - Engine Compartment Relays

Relay	Colour	Circuits switched
1	Black	Headlamp (Projector) - Keep on with High (LH)
2	Black	Headlamp (Projector) - Keep on with High (RH)
3	White	EEC (PCM) (LPG Engine)
4	White	Backlight (Demister)
5	Green	Fan 2
6	Black	Fuel
7	Black	Horn
9	Black	WAC (Air-Conditioning Compressor)
10	White	Fan 3
11	White	Fan 1
12	White	Headlamp (Low)
13	White	Headlamp (High)
14	Black	Starter
16	Black	Fog

## Power Distribution Box - Engine Compartment Diodes

Diode	Colour	Description
15	Black	EEC (PCM)
17	Black	Starter

## Fuses and Relays

---

### Power Distribution Box - Engine Compartment Resistors

Resistor	Colour	Description
8	Green	Starter

### Additional Fuses Located Beside the Powertrain Control Module (PCM) in the Engine Compartment

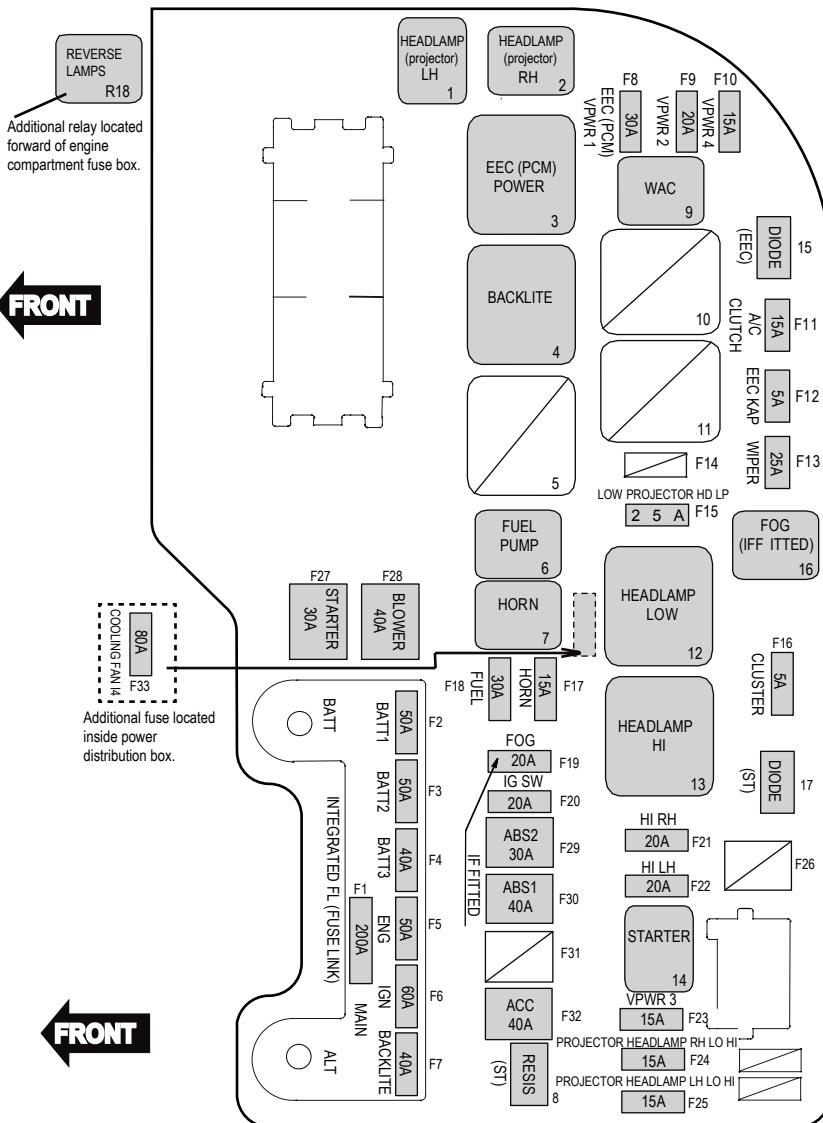
Fuse	Amps	Colour	Circuits Protected
-	-	-	Not Used
4B (LPG 4)	10	Red	Relay Coils (Lockoff, Bypass and Jet Pump) Solenoids - Bypass and Jet Pump (LPG engine)

### Additional Relays Located Beside the Powertrain Control Module (PCM) in the Engine Compartment

Relay	Colour	Circuits Switched
1 (LPG1)	Black	Fuel Tank Jet Pump Solenoid (Ute Only)
2 (LPG2)	Black	Fuel Tank Lock Off Solenoid
3 (LPG3)	Black	Reverse Lamps
5 (LPG5)	Black	Regulator Bypass Solenoid
6 (LPG6)	Black	Regulator Lock Off Solenoid

# Fuses and Relays

## Engine Compartment Fuse Box (EcoBoost I4)



## Fuses and Relays

<b>Fuse and Relay Box - Power Distribution Box (Engine Compartment) - EcoBoost I4</b>			
<b>Fuse</b>	<b>Amps</b>	<b>Colour</b>	<b>Circuits Protected</b>
F1	200	Black - integrated fuse link	Main
F2	50	Black - integrated fuse link	Batt 1
F3	50	Black - integrated fuse link	Batt 2
F4	40	Black - integrated fuse link	Batt 3
F5	50	Black - integrated fuse link	Eng
F6	60	Black - integrated fuse link	Ignition
F7	40	Black - integrated fuse link	Backlight (Demister)
F8	30	Green	VPWR 1 (ECM,EEC) Relay Coil (WAC and Fuel Pump)
F9	20	Yellow	VPWR 2, HEGO, UEGO, Cannister Purge, TI VCT (Intake and Exhaust)
F10	15	Blue	VPWR 4
F11	15	Blue	Air-Conditioning Compressor
F12	5	Tan	EEC (ECM) KAP
F13	25	Natural	Wiper Front
F14	-	-	-
F15	25	Natural	Headlamps - Projector Lamps (Low)
F16	5	Tan	Cluster
F17	15	Blue	Horn
F18	30	Green	Fuel
F19	20	Yellow	Fog Lamp (if equipped)
F20	20	Yellow	Ignition Switch, Alternator, Relay Coil, Fan, Ignition, Accessory
F21	20	Yellow	Headlamp - High - Right
F22	20	Yellow	Headlamp - High - Left
F23	15	Blue	VPWR 3 - VRVS, ECBV (Vacuum Regulator Valve Solenoid, Electronic Compressor Bypass Valve)
F24	15	Blue	Headlamp - Low/High - Projector-RH

## Fuses and Relays

Fuse	Amps	Colour	Circuits Protected
F25	15	Blue	Headlamp - Low/High - Projector-LH
F26	-	-	Not Used
F27	30	Pink	Starter
F28	40	Green	Blower Fan - Climate Control
F29	30	Pink	ABS 2 DSC2 (DSC VR)
F30	40	Green	ABS 1 DSC1 (DSC MR)
F31	-	-	Not Used
F32	40	Green	Accessory
F33	80	-	Engine Cooling Fan (Midi Fuse)

**Note:** Integrated fuse link replacement requires removal of two external nuts (and one internal bolt on the 60A fuse). Engine cooling fan midi fuse requires removal of nuts for replacement. Both fuses require removal of lower fuse box to access them.

### Power Distribution Box - Engine Compartment Relays

Relay	Colour	Circuits Switched
1	Black	Headlamp (Projector) - Keep on with High (LH)
2	Black	Headlamp (Projector) - Keep on with High (RH)
3	White	EEC (ECM/PCM)
4	White	Backlight (Demister)
5	-	Not Used
6	Black	Fuel
7	Black	Horn
9	Black	WAC (Air-Conditioning Compressor)
10	-	Not Used
11	-	Not Used
12	White	Headlamp (Low)
13	White	Headlamp (High)
14	Black	Starter
16	Black	Fog

## Fuses and Relays

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### Power Distribution Box - Engine Compartment Diodes

Diode	Colour	Description
15	Black	EEC (ECM/PCM)
17	Black	Starter

### Power Distribution Box - Engine Compartment Resistors

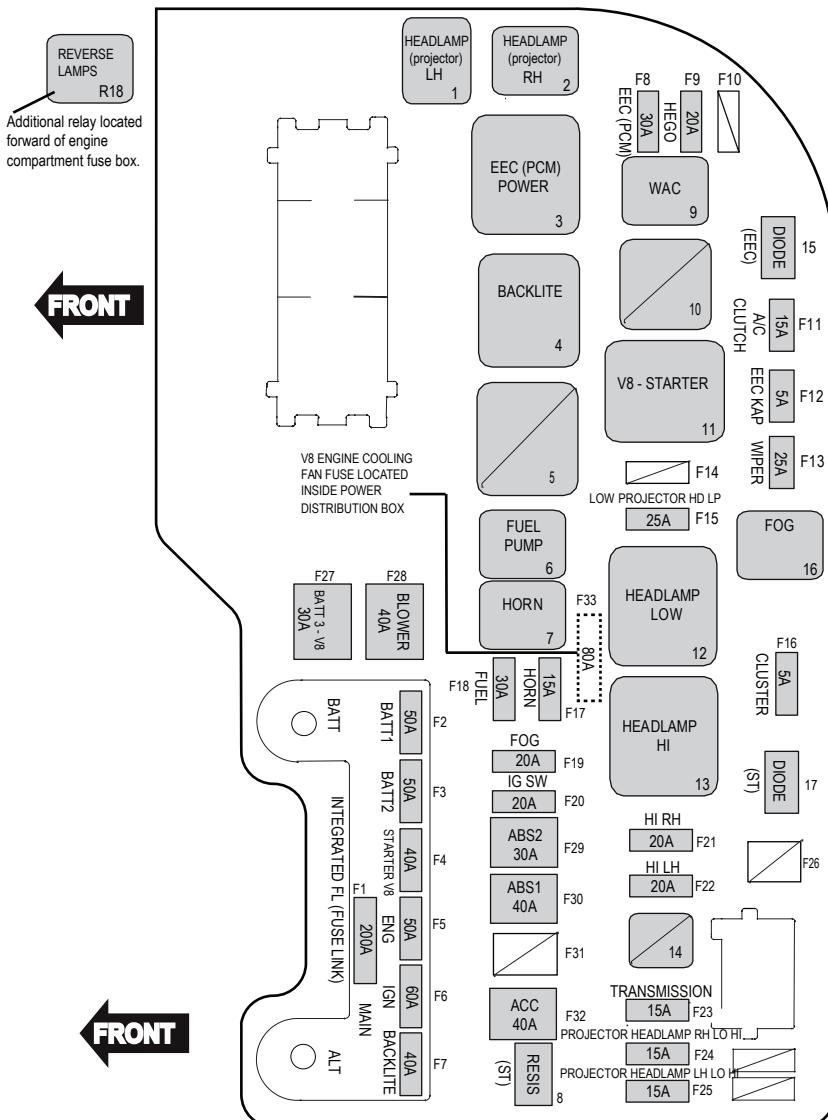
Resistor	Colour	Description
8	Green	Starter

### Additional Relay Located in the Engine Compartment

Relay	Colour	Circuits Switched
R18	Black	Reverse Lamps (6-speed Automatic Transmission)

# Fuses and Relays

## **Engine Compartment Fuse Box (V8)**



## Fuses and Relays

### Fuse and Relay Box - Power Distribution Box (Engine Compartment) - V8

<b>Fuse</b>	<b>Amps</b>	<b>Colour</b>	<b>Circuits Protected</b>
F1	200	Black - intergrated fuse link	Main
F2	50	Black - intergrated fuse link	Batt 1
F3	50	Black - intergrated fuse link	Batt 2
F4	40	Black - intergrated fuse link	Starter V8 Engine
F5	50	Black - intergrated fuse link	Eng
F6	60	Black - intergrated fuse link	Ignition
F7	40	Black - intergrated fuse link	Backlight (Demister)
F8	30	Green	EEC (PCM), IMCC, VCT
F9	20	Yellow	Hego
F10	-	-	Not Used
F11	15	Blue	Air Conditioning Compressor
F12	5	Tan	EEC (PCM) KAP
F13	25	Natural	Wiper Front
F14	-	-	Not Used
F15	25	Natural	Headlamps - Projector Lamps (Low)
F16	5	Tan	Cluster
F17	15	Blue	Horn
F18	30	Green	Fuel
F19	20	Yellow	Fog Lamp
F20	20	Yellow	Ignition Switch, Alternator, Relay Coil, Fan, Ignition, Accessory
F21	20	Yellow	Headlamp - High - Right
F22	20	Yellow	Headlamp - High - Left
F23	15	Blue	Transmission (Battery)
F24	15	Blue	Headlamp - Low/High-Projector-RH
F25	15	Blue	Headlamp - Low/High-Projector-LH
F26	-	-	-

## Fuses and Relays

<b>Fuse</b>	<b>Amps</b>	<b>Colour</b>	<b>Circuits protected</b>
F27	30	Pink	Batt 3 V8 Engine
F28	40	Green	Blower Fan - Climate Control
F29	30	Pink	ABS 2 DSC2 (DSC VR)
F30	40	Green	ABS 1 DSC1 (DSC MR)
F31	-	-	-
F32	40	Green	Accessory
F33	80	-	Engine Cooling Fan V8 Engine

**Note:** Integrated fuse link replacement requires removal of two external nuts (and one internal bolt on the 60A fuse). Engine cooling fan 80A midi fuse replacement requires removal of two nuts. Both fuses require removal of the power distribution box for replacement.

### Power Distribution Box - Engine Compartment Relays

<b>Relay</b>	<b>Colour</b>	<b>Circuits switched</b>
1	Black	Headlamp (Projector) - Keep on with High (LH)
2	Black	Headlamp (Projector) - Keep on with High (RH)
3	White	EEC (PCM)
4	White	Backlight (Demister)
5	-	-
6	Black	Fuel
7	Black	Horn
9	Black	WAC (Air-Conditioning Compressor)
10	-	-
11	White	Starter V8 Engine
12	White	Headlamp (Low)
13	White	Headlamp (High)
14	-	-
16	Black	Fog

## Fuses and Relays

### Power Distribution Box - Engine Compartment Diodes

Diode	Colour	Description
15	Black	EEC (PCM)
17	Black	Starter

### Power Distribution Box - Engine Compartment Resistors

Resistor	Colour	Description
8	Green	Starter

### Additional Relays - Located Forward of the Engine Compartment Fuse Box in the Engine Compartment

Relay	Colour	Circuits Wwitched
R18	Black	Reverse Lamps (6-Speed Automatic Transmission)

## CHANGING A FUSE

### WARNINGS

 Do not modify the electrical system of your vehicle in any way. Have repairs to the electrical system and the replacement of relays and high current fuses carried out by an authorized dealer.

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

 Always replace a fuse with one that has the specified amperage rating.

 Using a fuse with a higher amperage rating can cause severe wire damage and could start a fire.

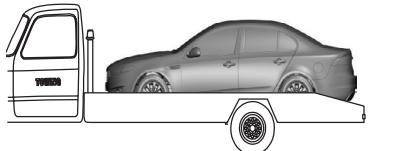
If electrical components in your vehicle are not working, a fuse may have blown. A break in the fuse wire indicates a blown fuse. Check the appropriate fuses before replacing any electrical components.

# Vehicle Recovery

## TOWING THE VEHICLE

### Commercial Towing

Tray towing is the preferred method of moving a disabled vehicle to avoid damage.



#### WARNING

 Your vehicle is fitted with Independent Rear Suspension (IRS) and should **ALWAYS** be tray towed.

When tray towing, your vehicle must not be secured by cross-tying. The vehicle should be secured to the anchor points on the towing tray by wheel tie-down straps.

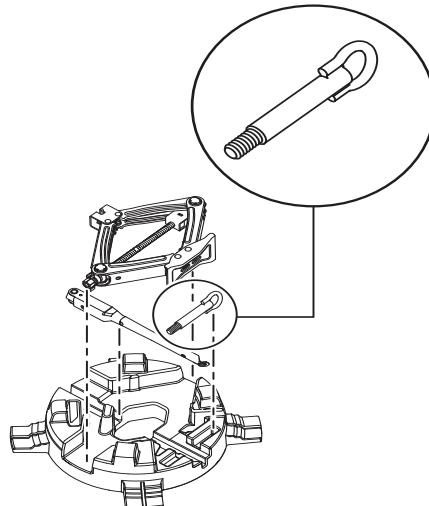
#### WARNINGS

 The wheel tie-down method is the only safe way to attach the vehicle to a towing tray. Lashing down the vehicle at any other point (e.g. subframe, suspension/steering components, towing eye) may cause damage which might affect the safety of the vehicle.

 The vehicle should **NOT** be towed with only two wheels on the ground. Damage to the vehicle may result.

### Using the Towing Eye

The screw-in towing eye is stored in the foam moulding in the jack storage compartment and must always be kept on board.



It can be screwed in at the front of the vehicle, and is only to be used for pulling the vehicle onto a commercial towing tray in the event of a breakdown.

#### WARNINGS

 The towing eye is the only location from which the vehicle can be safely pulled onto the breakdown vehicle. Pulling the vehicle from any other point (e.g. subframe, suspension/steering components) may cause damage which might affect the safety of the vehicle.

# Vehicle Recovery

 Always remove the towing eye from the towing bracket after use. Failure to do so may cause interference to the vehicle's supplementary restraint system in the event of an accident.

 The towing eye should never be used to pull a vehicle out of snow, mud, sand and so on.

## Installing the Towing Eye



Prise off the plastic cover from the towing eye anchor location depicted below. The cover is on a tag and remains attached to the car. Screw the towing eye fully into the threaded anchor location and tighten a further one-quarter turn using the handle/wheelbrace as a lever.

### WARNING

 Ensure the towing eye is screwed in fully and tightened using the handle/wheel brace as a lever (one quarter turn) to avoid the risk of the thread being damaged or the towing eye becoming loose and coming off.

# Maintenance

## SAFETY PRECAUTIONS

### Engine Compartment

#### WARNING

 The ignition must be switched off before working in the engine compartment. Under some operating conditions, the cooling system fan may continue to run for several minutes after the engine has been switched off. This is quite normal. Take care not to get any fingers or clothing such as ties or scarves caught in the fan.

### Exhaust Gases

#### WARNINGS

 Never operate the engine in enclosed areas. Never sit in a parked or stopped vehicle for any extended period of time with the engine running.

 Exhaust gases, particularly carbon monoxide, can be harmful to health and are potentially lethal. Carbon monoxide is colourless and odourless and can be present in exhaust fumes. Therefore, if you ever smell exhaust fumes of any kind inside your vehicle, do not remain in the vehicle with the windows closed. Report the condition to your authorised Ford dealer immediately.

### Cooling System

#### WARNING

 Do not allow coolant to contact eyes or skin; wash any contact area immediately with water. If swallowed, seek medical advice. Avoid inhaling vapour; use additives in a well ventilated area. Avoid coolant contact with vehicle paint work; wash any contact area immediately with water.

### Fuel Fumes

#### WARNING

 Always stop the engine and do not smoke or allow open flames or sparks near the vehicle when re-fuelling. If fuel fumes are noticed while driving, the cause should be determined and corrected without delay.

### High Voltage

#### WARNING

 Engines with an electronic ignition system can generate very high voltages. Care should be taken when servicing to avoid contact with conductive parts to avoid severe electrical shock. These systems can produce dangerous high tension voltages in the primary and secondary circuit. Please ensure that all work is carried out with the utmost care. Before removing or refitting any parts or electrical connections, ensure that the ignition system is switched off.

# Maintenance

## Vehicle Battery

### WARNINGS

 Batteries emit an explosive gas mixture which can be ignited by spark or flame. Keep sparks and flames away from the battery at all times.

 Never smoke near a battery.

 Batteries contain sulphuric acid. If acid contacts eyes, skin or clothing, flush immediately with large amounts of water. In the case of eye contact, see a doctor immediately.

 Take care with all metal objects including tools, items you are wearing (jewellery, rings, metal watchbands, and so on.) near battery terminals. Metal objects touching battery terminals can cause serious burns to the user or wearer.

### CAUTION

 Switch the ignition key off and ensure all accessories are off before disconnecting battery terminals. Damage to electrical components may result if switched on when the battery is disconnected, or if vehicles with flat batteries are connected to boost starting batteries while the ignition is switched on.

## Electric Welding

### CAUTION

 Electric welding on the vehicle can cause damage to electrical components. Ensure the negative battery connection is removed from the battery terminal before commencing an electrical welding process.

Do not weld in close proximity to electronic components or materials that may be damaged by heat or are inflammable.

## Installation of Auxiliary Equipment

### CAUTION

 To avoid any damage to the vehicle, check with an authorised Ford dealer to ensure correct installation of auxiliary equipment. Fitment of some non-Ford/Motorcraft accessories (such as alarms and other electronically controlled devices) may affect normal vehicle operation due to electromagnetic interference emitted by these accessories.

## 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 especially 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.

When it comes to the operations which are essential for the reliability and roadworthiness of your vehicle, follow the service intervals shown in the Customer Assistance, Warranty and Service Guide.

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

# Maintenance

## Daily Checks

- Check all exterior lamps are functioning correctly. Replace burnt out or dim bulbs and ensure lenses are clean.
- Check instrument warning lamps are functioning correctly.
- Check that the park brake is functioning correctly.

## Check when Refuelling

- Engine oil level.
- Brake fluid level.
- Washer fluid level.
- Tyre pressures (when cold).
- Tyre condition.

## Monthly Checks

- Engine coolant level (engine cold).
- Pipes, hoses and reservoirs for leaks.
- Power steering fluid level.
- Air conditioning operation.
- Horn operation.
- Tightness of wheel nuts.

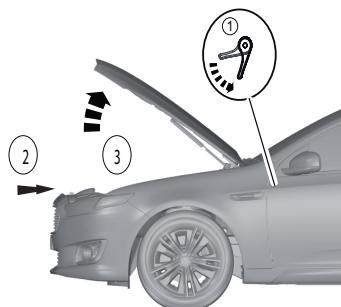
### CAUTION

! The air conditioner should be operated for at least five minutes each week to prevent the system seals from drying out.

## OPENING AND CLOSING THE BONNET

### Opening the Bonnet

1. Pull the bonnet release handle, located on the driver's side below the fuse box and above the accelerator pedal.
2. Release the safety catch at the front of the bonnet by reaching your hand under the bonnet, near the centre line, and pushing the safety catch sideways towards the driver's side.
3. Raise the bonnet. The bonnet is supported by gas struts once opened.



### Closing the Bonnet

### CAUTION

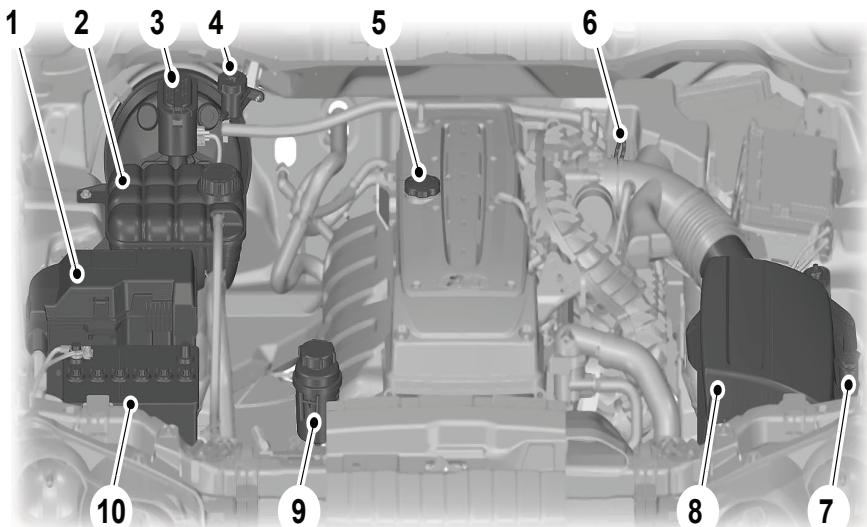
! Make sure to remove all tools, rags and /or other items from under the bonnet before closing.

1. Push the bonnet down firmly at the front edge until the lock is securely engaged.
2. Check that the bonnet is securely closed .

# Maintenance

## ENGINE COMPARTMENT OVERVIEW

### 4.0L DOHC DI-VCT I6 & EcoLPi

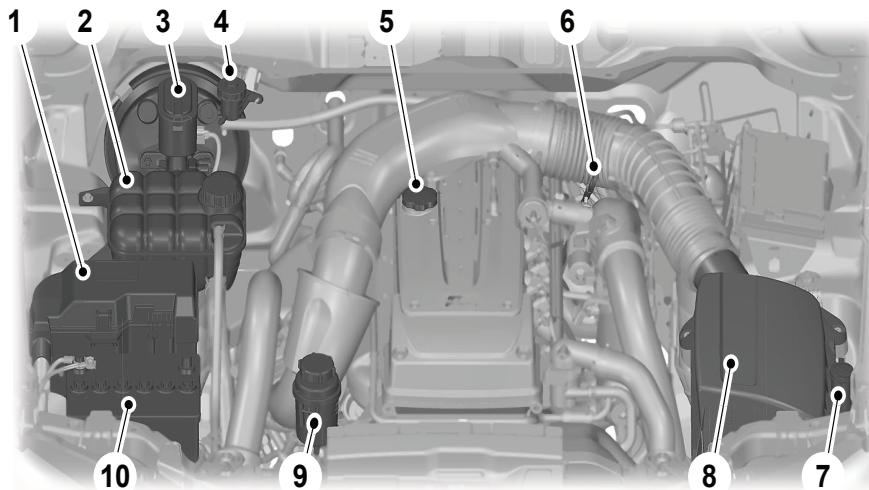


Item	Description 4.0L I6	Description 2.0L I4
1	Engine Compartment Fuse Box	Engine Compartment Fuse Box
2	Radiator Coolant Supply Tank <sup>1</sup>	Radiator Coolant Supply Tank <sup>1</sup>
3	Brake Master Cylinder	Brake Master Cylinder
4	Clutch Fluid Reservoir (if equipped)	Engine Oil Dipstick <sup>1</sup>
5	Engine Oil Filler Cap	Engine Oil Filler Cap
6	Engine Oil Dipstick <sup>1</sup>	Power Steering Pump Reservoir
7	Windscreen Washer Fluid Bottle <sup>1</sup>	Windscreen Washer Fluid Bottle <sup>1</sup>
8	Air Cleaner Element	Air Cleaner Element
9	Power Steering Pump Reservoir	Battery
10	Battery	

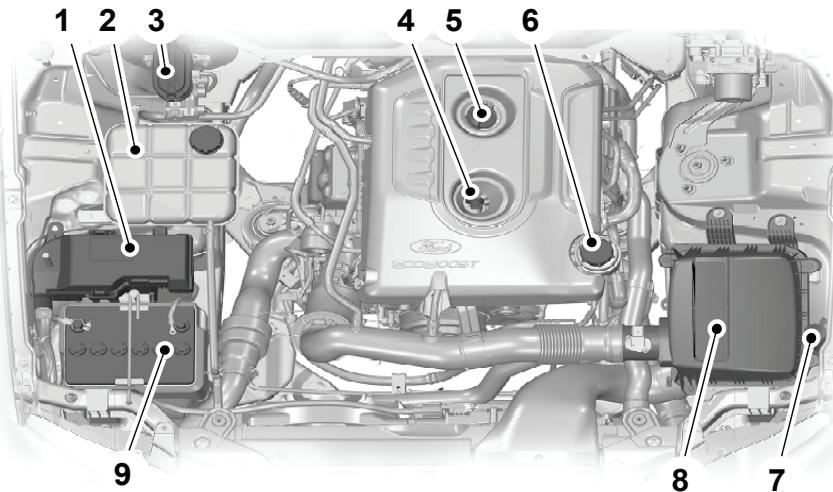
<sup>1</sup> The filler caps and the engine oil dipstick are coloured for easy identification.

# Maintenance

## 4.0L DOHC DI-VCT Turbo I6

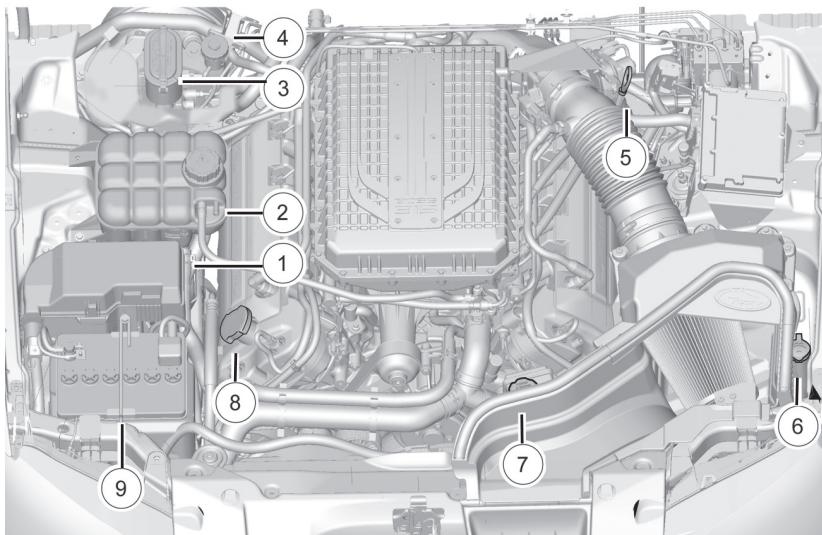


## 2.0L GDi Ti-VCT I4 EcoBoost



# Maintenance

## 5.0L DOHC Supercharged V8



Item	Description
1	Engine Compartment Fuse Box
2	Radiator Coolant Supply Tank
3	Brake Master Cylinder Reservoir
4	Clutch Fluid Reservoir (Manual Transmission)
5	Engine Oil Dipstick
6	Windscreen Washer Fluid Bottle
7	Power Steering Pump Reservoir
8	Engine Oil Filler Cap
9	Battery

# Maintenance

## ENGINE OIL CHECK

The oil consumption of your engine is influenced by many factors. New engines reach the normal value only after approximately 10,000 km.

High-performance engines consume slightly more. Under high loads, your engine also consumes more oil.

Check the engine oil periodically; for example, when refuelling or prior to long journeys.

Check the engine oil level with the engine at operating temperature and make sure the vehicle is standing on level ground.

Switch the ignition off and wait a few minutes for the engine oil to flow back to the sump.

Pull the dipstick out, wipe it with a clean, lint-free cloth, reinsert it completely and pull it out once more.

## I6 Engine Oil Dipstick



## V8 Engine Oil Dipstick



E161560

A = Minimum

B = Maximum

The oil level is shown by the oil film adhering to the dipstick. If the level lies between the 'ADD' and 'FULL' marks there is no need to refill. Hot oil may exceed the 'FULL' mark for some millimetres due to thermal expansion. If the oil lies in the 'ADD' region, refill using only engine oil meeting the Ford specification.

Refer to the 'Fluid Specification' section in the Customer Assistance, Warranty and Service Guide.

Never top up above the 'MAX' mark.

## Engine Oil Filler Cap

To open, unscrew in an anti-clockwise direction. Do not open the cap while the engine is running. Oil additives are neither necessary nor recommended and could, under certain conditions, lead to engine damage.

**Note:** *Empty and used oil containers must not be disposed of in household waste. Use your local authorised waste disposal facilities or recycling station.*

# Maintenance

## Adding Oil

### WARNINGS

 Only add oil when the engine is cold. If the engine is hot, wait ten minutes for the engine to cool down. Failure to take care may result in personal injury.

 Do not remove the filler cap when the engine is running. Failure to take care may result in personal injury.

1. Remove the filler cap.
2. Add oil that meets Ford specifications.
3. Replace the filler cap. Turn it until you feel a strong resistance.

**Note:** Do not add oil further than the maximum mark. Oil levels above the maximum mark may cause engine damage.

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

## ENGINE COOLANT CHECK

### Sedan Coolant Container



### V8 Coolant Container



### WARNING

 Never remove the filler cap when the engine is hot.

The coolant level is visible through the translucent reservoir. The coolant level should be between the 'MIN' and the 'MAX' markings when the engine is cold. Hot coolant expands and may therefore rise above the 'MAX' mark.

# Maintenance

The coolant should be added when the engine is cold. If coolant has to be added when the engine is hot, first wait ten minutes for the engine to cool.

Initially, using a thick cloth to protect against venting steam, slowly unscrew the cap until the pressure begins to escape.

When the system is fully vented, carefully remove the cap. Top up with coolant that meets the Ford specification for your vehicle and according to your needs.

Refer to the 'Fluid Specification' section in the Customer Assistance, Warranty and Service Guide.

When filling the reservoir after the coolant level has fallen below the 'MIN' level, ensure that you check the coolant level and top up as necessary following the next drive cycle. If in any doubt about the filling process, refer to your authorised Ford dealer.

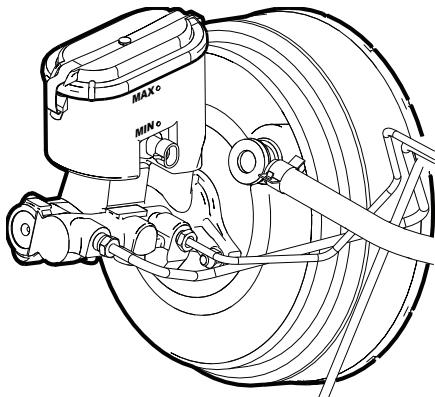
## WARNING

 Do not allow coolant to come into contact with skin or eyes. If this should happen, immediately rinse the affected areas with water.

Modern engines run at very high temperatures and inferior quality coolants are ineffectual in maintaining adequate corrosion protection to the cooling system. For this reason, only use coolant which meets the Ford specifications.

Refer to the 'Fluid Specification' section in the Customer Assistance, Warranty and Service Guide.

## BRAKE FLUID CHECK



## WARNING

 Do not allow brake fluid to contact the skin or eyes. If this does happen, rinse the affected area with water.

## CAUTION

 Brake fluid will damage paintwork. If splashed or split on a painted surface, wash off immediately with water.

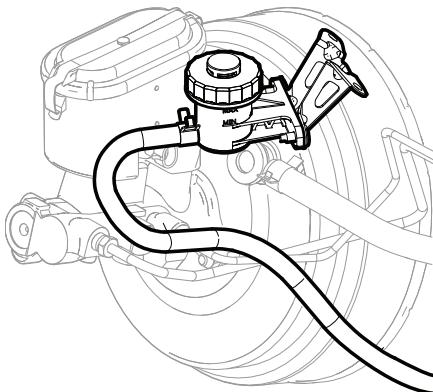
The level of the fluid must lie at the 'MAX' mark on the side of the reservoir. Add only brake fluid that meets the Ford specification.

Refer to the 'Fluid Specification' section in the Customer Assistance Warranty and Service Guide.

Absolute hygiene must be observed when topping up with brake fluid. Any dirt entering the brake system may cause loss of brake performance. Do not expose brake fluid to the atmosphere any longer than is necessary.

# Maintenance

## CLUTCH FLUID CHECK



### WARNING

 Do not allow clutch fluid to contact the skin or eyes. If this does happen, rinse the affected area with water.

### CAUTION

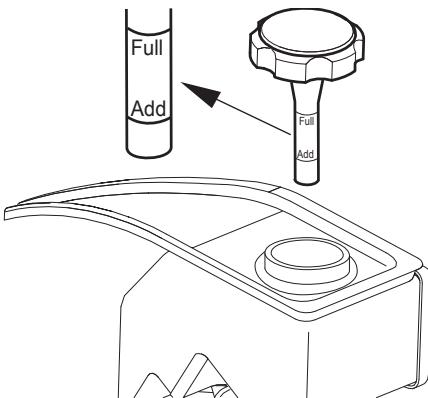
 Clutch fluid will damage paintwork. If splashed or spilt on a painted surface, wash off immediately with water.

The level of the fluid must lie at the 'MAX' mark on the side of the reservoir. Add only clutch fluid that meets the Ford specification.

Refer to the 'Fluid Specification' section in the Customer Assistance, Warranty and Service Guide.

Absolute hygiene must be observed when topping up with clutch fluid. Any dirt entering the clutch system may cause loss of clutch performance. Do not expose clutch fluid to the atmosphere any longer than is necessary.

## POWER STEERING FLUID CHECK



To achieve an accurate reading always check when the engine is cold. The fluid level should be kept between the 'FULL' and 'ADD' markings. If it drops below the 'ADD' mark, top up with fluid meeting the Ford specification.

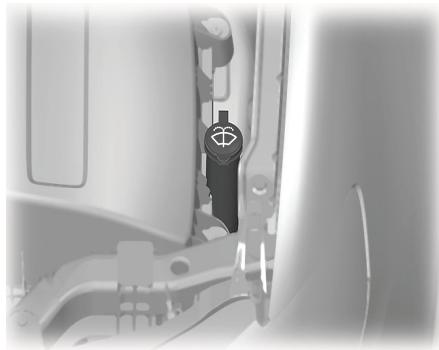
Refer to the 'Fluid Specification' section in the Customer Assistance, Service and Warranty Guide.

## AUTOMATIC TRANSMISSION FLUID

The automatic transmission is sealed at the factory. The fluid level does not need to be checked unless leaks or reduced performance are noticed. Refer to your authorised Ford dealer for additional information.

# Maintenance

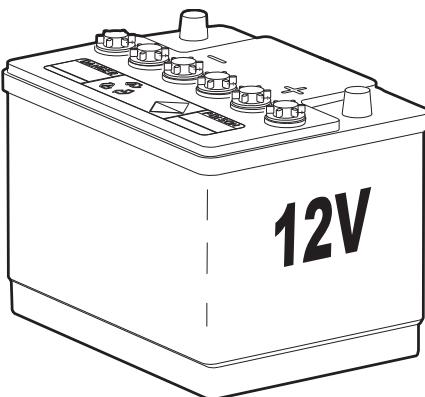
## WINDSCREEN WASHER FLUID CHECK



The windscreen washer system reservoir should be kept topped up with clean water and Motorcraft Screen Wash Solution or equivalent.

Refer to the 'Fluid Specification' section in the Customer Assistance, Service and Warranty Guide.

## BATTERY



### WARNINGS

 Batteries emit explosive gases which can be ignited by a spark or flame. Keep sparks, flames and lit cigarettes away from the battery at all times.

 Batteries contain sulphuric acid. If the acid contacts the eyes, skin or clothing, flush immediately with large amounts of water. If the acid contacts the eyes, consult a doctor immediately.

 The battery requires minimal maintenance. If the electrolyte level is low, add enough distilled water to keep the level about 10 mm over the cell plates. Do not overfill.

 Keep the battery clean, dry and securely mounted. Coat the terminals with petroleum grease to prevent corrosion.

 The plastic shield must always be refitted, if removed for any reason, before driving the vehicle.

# Vehicle Care

## VEHICLE CARE

Regular care of your vehicle is recommended. The following advice will assist you in maintaining the condition of your vehicle.

### Washing your Vehicle

#### WARNING

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

**Note:** Prior to washing your vehicle, please ensure that you are complying with any water restrictions in force in your local area.

#### CAUTIONS

 Some car wash installations use water at high pressure. This could damage certain parts of your vehicle.

 When cleaning, avoid spraying high pressure water into the passenger side cowl grille, located at the base of the front windscreens, as this may result in water entry to the heating, ventilation and air conditioning system.

 Wash your vehicle regularly, particularly in coastal areas or where salt or chemicals are in the air or used on the roads.

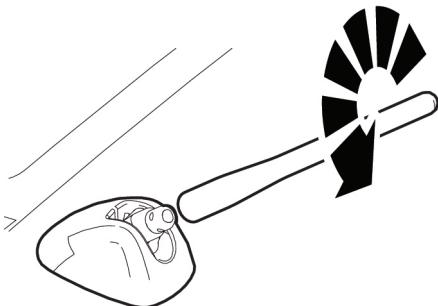
 Use warm or cold water. Tree sap, insects, bird droppings and road grime or tar may be difficult to remove with water alone. Use a mild soap solution or suitable mild detergent for washing, and then rinse with clear water immediately.



Any petrol spill on the vehicle or deposits such as bird droppings, tree sap, insects or road grime, should be washed and sponged off as soon as possible. Deposits not removed promptly can cause damage to the vehicle's paintwork.



Remove the antenna mast before entering an automatic car wash. Ensure the mast is screwed on firmly when reattaching it, to maintain optimum radio reception performance.



### Automatic Car Wash

The best procedure is brushless washing in a good car wash installation. In car wash installations operating with high water pressure, water might be forced into the vehicle interior.

### Washing by Hand

Rinse with plenty of water if using a car shampoo. Dry the vehicle with a chamois leather. Remember to include regular underbody washing.

In areas of heavy concentrations of corrosive materials; for example, salt, the entire underbody should be thoroughly washed and inspected frequently, particularly after wet seasons.

# Vehicle Care

When using any cleaner or polish, always follow the directions on the label. Read all warning and caution statements which appear on the label.

Any petrol spill on the vehicle or deposits such as bird droppings, should be washed and sponged off as soon as possible.

Deposits not removed promptly can cause damage to the vehicle's paintwork.

## Polishing

The vehicle should be washed and dried before being polished. In areas of industrial fallout, dust, heavy rain, salt, air, insects, bird droppings and frequent parking under trees, the addition of a suitable polish or wax is advised.

## Paint Chip Repair

Paint damage from road chippings or minor scratches can be dealt with using touch up paint from the Ford accessory range.

Observe the application instructions on the label.

## Wheel Cleaning

Wheels are coated with a protective finish. Do not use abrasive cleaners, polishing compounds, solvents or wire brushes that might scratch or damage the finish. Avoid washing the wheels using a high pressure washing device.

## 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.

## Interior Cleaning

Interior cleaning of trims and surfaces including the Interior Command Centre (ICC) should be done by using a clean, soft, lint-free cloth.

For stubborn areas, you may apply a small amount of non-ammonia, non-alcohol based cleaner.

Take care not to spill beverages or liquid air fresheners on the trims and surfaces.

Also do not clean with excessive pressure or with solvents as this may cause permanent damage.

## Seatbelts

### WARNINGS

 Do not use abrasives or chemical solvents to clean seatbelts.

 Do not allow moisture to penetrate the safetybelt retractor mechanism.

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

# Vehicle Battery

## BOOSTER (JUMP) STARTING

### WARNINGS

**!** Jump starting could be dangerous if done incorrectly. Therefore, if the following conditions cannot be met, or if you are uncertain about them, we strongly recommend that you leave the procedure to a competent mechanic or towing service.

**!** Do not attempt a jump-start if the discharged battery is frozen or if the battery fluid level is low, as the battery may rupture or explode.

**!** Flames, sparks or lit cigarettes can cause the gases around the battery to explode, causing injury and damage. Keep these things away from the battery.

**!** Ensure the battery to be used for boosting is 12V and that the negative terminal is grounded. If instructions are not observed, damage to electronic components may result.

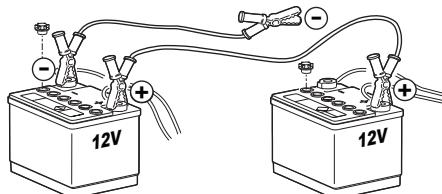
**!** To protect yourself when charging a battery, always shield your face and eyes. Ensure proper ventilation and that you can breathe fresh air.

**!** Do not let children touch the battery.

**!** Batteries contain sulphuric acid which burns skin, eyes and clothing. If the acid touches someone's skin, eyes or clothing, immediately flush the area with water for at least fifteen minutes. If someone swallows the acid, call a doctor immediately.

### Booster Lead Connecting Procedure

Remove the filler vent caps from both batteries and place a damp cloth over the batteries. If the booster battery is installed in another vehicle, do not allow the two vehicles to touch. Turn off all unnecessary electrical loads. Firmly apply the park brake on both vehicles and select neutral gear (manual transmission) or Park (automatic transmission).



1. Connect the red lead to the positive (+) terminal of the discharged battery.
2. Connect the other end of the same red lead to the positive (+) terminal of the booster battery.
3. Connect the black lead to the negative (-) terminal of the booster battery.
4. Connect the other end of the same black lead to the engine of the vehicle with the discharged battery.

### WARNINGS

**!** Do not connect the lead to the negative terminal of the discharged battery.

**!** Take care that the jumper clamps do not touch each other or any metal on either vehicle, and are clear of the cooling fans and drive belt.

# Vehicle Battery

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Do not lean over the battery when making connections.

## Engine Starting Procedure

1. Start the engine in the vehicle with the booster battery and let it run for a few minutes.
2. Start the engine in the vehicle with the discharged battery.
3. Leave the jumper leads connected until the engine reaches idle speed (at least one minute) otherwise damage to the electrical system may occur.
4. Switch the heater fan of the vehicle with the discharged battery to the fastest position to 'load' the vehicle's electrical system prior to disconnecting the jumper leads.
5. Disconnect the leads in the reverse order.

### CAUTION

Do not disconnect or change over the discharged battery while the engine is running, as damage to the electrical system may occur.

# Wheels and Tyres

## GENERAL INFORMATION

A decal with tyre pressure data is located in the glove box.

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

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

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

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

## USING SNOW CHAINS

Your vehicle has been designed to have snow chains fitted to the rear wheels only. Due to clearance constraints, the fitting of snow chains to the front wheels results in wheel lock-up and loss of control of the vehicle.

### WARNINGS

-  Do not exceed 40 km/h.
-  Do not use snow chains on snow-free roads.
-  Only fit snow chains to specified tyres.
-  Only use small link snow chains.



If your vehicle has wheel trims, remove them before fitting snow chains.



If snow chains are fitted to your vehicle, ensure that they are fitted properly and are suitable for your vehicle to avoid damage to tyres, wheels and the vehicle, as per instructions provided.

**Note:** The anti-lock braking system will continue to operate normally.

## CHANGING A ROAD WHEEL

### WARNINGS

-  Drive the shortest possible distances.
-  Do not fit more than one spare wheel on your vehicle at any one time.
-  Do not carry out any tyre repairs on the spare wheel.
-  Do not drive through an automatic car wash.
-  If you are unsure what type of spare wheel you have do not exceed 80 km/h.
-  Only fit snow chains to specified tyres.
-  The ground clearance of your vehicle may be reduced. Take care when parking next to a curb.
-  Tyre sealants that are injected through the valve stem are not to be used to service punctured tyres because they can produce wheel rust and tyre imbalance.

If the spare wheel is exactly the same type and size as the other fitted road

# Wheels and Tyres

wheels, you can replace the existing road wheel with the spare wheel and continue to drive in the normal manner.

If the spare wheel is different to the other road wheels, it will carry a label with the appropriate speed limit.

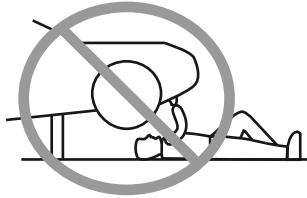
Refer to the following information before changing the road wheel.

## Vehicle Jack

### WARNINGS

-  Ensure screwthread is adequately lubricated before use.
-  The jack should be used on level firm ground wherever possible.
-  Switch the ignition off and apply park brake fully before lifting vehicle.
-  It is recommended that the wheels of the vehicle be chocked, and that no person should remain in a vehicle that is being jacked.
-  No person should place any portion of their body under a vehicle that is supported by a jack.

 **WARNING:** Do not get under a vehicle that is supported by a jack.



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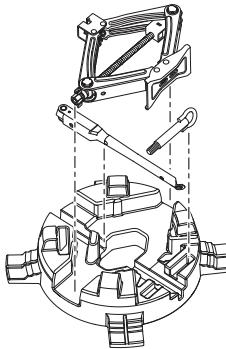
### WARNING

 **WARNING:** The jack supplied with this vehicle is only intended for changing wheels. Do not use the vehicle jack other than when you are changing a wheel in an emergency.

**Note:** Vehicles with a temporary mobility kit do not have a vehicle jack or a lug nut wrench

### Vehicle Jack Location

The jack, handle/wheel brace and towing eye are located under the spare wheel.



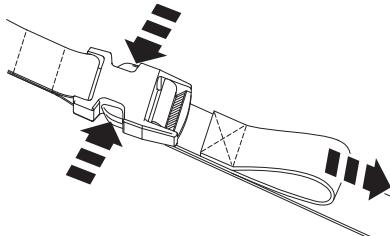
They are retained in the foam moulding as per the diagram above.

# Wheels and Tyres

## Removing the Spare Wheel

### Vehicles with Petrol Engines

The spare wheel for the petrol sedan is located in the luggage compartment beneath the board under the carpet. Unclip the spare wheel retaining strap to remove the spare wheel.



When installing the flat tyre in the luggage compartment, place the wheel face up in position. Cover with the board. Loosen the retaining strap and clip together over the wheel. Tighten the strap to retain the wheel.

### Jacking and Lifting Points

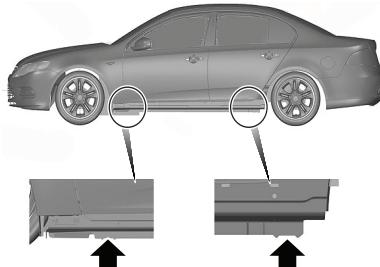
#### WARNING

 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.

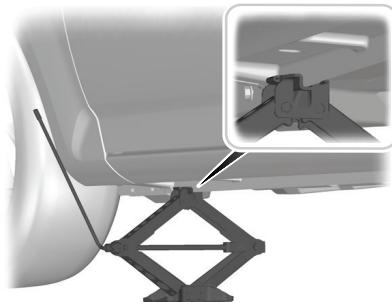
1. Firmly apply the park brake and Park (P) mode on the transmission.
2. Block the front and rear of the wheel diagonally opposite the wheel being changed. Remove ignition keys and lock the steering.
3. If your vehicle is fitted with wheel nut concealing centre caps, use the flat end of the jack handle between

the wheel rim and the cover to progressively prise the cover away at points around the surrounding rim.

4. Loosen each wheel nut approximately half a turn in an anti-clockwise direction. If locking wheel nuts are fitted, use the adaptor supplied in the glove compartment to undo and refit those nuts.
5. Position the jack under the vehicle at the appropriate jacking point between the tabs as shown in the diagram



6. The jacking point of the vehicle needs to be centrally located in the slot of the jack head. Jack up the vehicle so that the wheel is just off the ground.



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# Wheels and Tyres

## Removing a Road Wheel

### WARNINGS

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

**!** Make sure that the wheels are pointing straight ahead.

**!** If your vehicle has a manual transmission, move the selector lever to first or reverse gear. If it has an automatic transmission, move the selector lever to position (P).

**!** Secure the diagonally opposite wheel with an appropriate block or wheel chock.

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

**!** Never place anything between the vehicle jack and your vehicle.

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

## Installing a Road Wheel

### WARNINGS

**!** Make sure that the arrows on directional tyres point in the direction of rotation when your vehicle is moving forward. If you have to fit a spare wheel with the arrows pointing in the opposite direction, have the tyre refitted in the correct direction by an authorised dealer.

**!** Use only approved wheel and tyre sizes. Using other sizes could damage your vehicle and will make the

National Type Approval invalid. Refer to the 'Technical Specifications' section of this manual for further information.

**!** Do not fit or run flat tyres on vehicles that were not originally fitted with them. See an authorised dealer for more details about compatibility.

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

**!** Wheel nuts are subject to change. You must make sure that you use only the specific wheel nuts and wheels supplied for your vehicle. If in doubt see an authorised dealer.

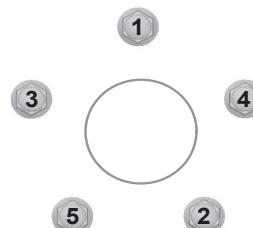
**!** Make sure there is no lubrication (grease or oil) on the threads. This can cause the wheel nuts to loosen while driving.

**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).

**Note:** Make sure the wheel and hub contact surfaces are free from foreign matter.

**Note:** Make sure that the cones on the wheel nuts are against the wheel.

1. Install the wheel.
2. Install the wheel nuts finger tight.



# Wheels and Tyres

3. Partially tighten the wheel nuts in the sequence shown.
4. Lower your vehicle and remove the jack.
5. Fully tighten the wheel nuts in the sequence shown.
6. Install the wheel trim using the ball of your hand.

## Wheel Nut Torque

### WARNINGS

 Have the wheel nuts checked for tightness and the tyre pressure checked as soon as possible.

Wheel Type	Nm
All	115-155 Nm

**Note:** It is recommended that the locking wheel nut adaptor (if equipped) be stored in a convenient and secure place.

## Directional Tyres

### WARNING

 When using the spare tyre in the reverse direction with wet road conditions, drive cautiously and reduce speed. Drive to the nearest tyre repair centre to have the flat tyre repaired.

Your vehicle may be fitted with directional tyres. An arrow on the tyre sidewall indicates the direction of rotation. Tyres should be fitted to the correct side for optimum performance and wet weather grip.

The spare tyre may be fitted to the vehicle in the reverse direction, but should be corrected as soon as possible.

## Temporary Spare Wheel (if equipped)

Your vehicle may be equipped with a temporary spare wheel which is dissimilar to the standard wheels fitted to your vehicle. Refer to the label on the temporary spare wheel for all warnings associated with the fitment and operation of the temporary spare wheel.

## Driving with the Temporary Spare Wheel

### WARNINGS

 Refit the standard wheel as soon as possible.

 When the temporary spare wheel is installed, drive with caution. Do not exceed the maximum restricted speed and towing capacity for your temporary spare wheel and drive the shortest distance possible as the vehicle's handling and braking performance will be affected.

 Do not operate your vehicle with more than one temporary spare wheel fitted at the same time or vehicle stability and performance will be affected.

 You may notice increased road noise and vehicle vibration when driving with the temporary spare wheel fitted. This is normal and is intended to alert the driver that the temporary spare wheel is fitted. Always refit the standard wheel as soon as possible.

 Do not repair a damaged temporary spare wheel.

 Do not use commercial car washing equipment when a temporary spare wheel is fitted.

# Wheels and Tyres

**!** Do not fit snow chains to tyres on an axle where a temporary spare wheel is fitted.

## TEMPORARY MOBILITY KIT (EcoLPi Sedan only)

### WARNINGS

**!** It is important to observe all instructions and warnings associated with the TMK. Failure to follow these guidelines could result in an increased risk of loss of vehicle control and personal injury.

**!** The TMK should not be used on temporary use space saver tyres.

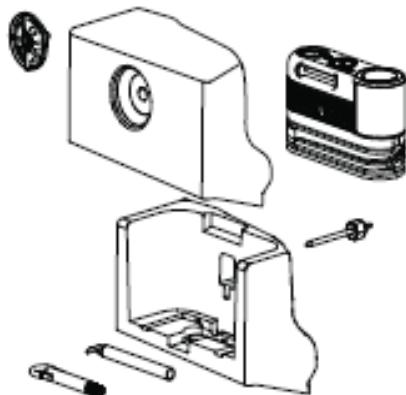
EcoLPi vehicles are fitted with a Temporary Mobility Kit (TMK) instead of a temporary spare wheel.

**Note:** Vehicles fitted with a TMK do not carry a vehicle jack.

**Note:** The towing eye on vehicles fitted with a TMK is stored with the TMK.

### TMK Location

The TMK is located on the right-hand side of the luggage compartment under a plastic cover. Unscrew the retaining handwheel to remove the cover. Slide the TMK off the retaining bolt. When reinstalling the TMK, align the hole in the TMK compressor body with the retaining bolt. Fit the TMK and its plastic cover. Hand tighten the retaining handwheel.

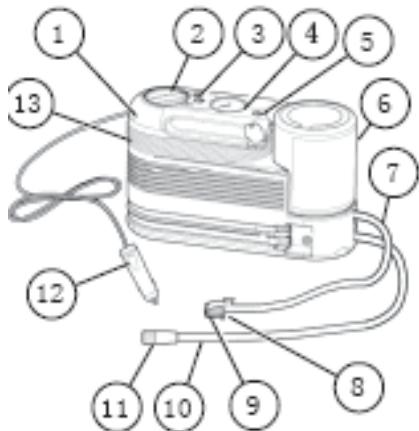


### Towing Eye

The screw-in towing eye is stored in the foam moulding in the TMK storage compartment and must always be kept on board.

# Wheels and Tyres

## TMK General Information



Item	Description
1	Air Compressor (internal)
2	Diverter Knob
3	On/Off Button
4	Air Pressure Gauge
5	Deflation Button
6	Sealant Bottle / Canister
7	Sealant Filling Clear Tube
8	Sealant Tube - Tyre Valve Connector
9	Sealant Connector Cover
10	Air Compressor Hose
11	Air Hose - Tyre Valve Connector
12	Accessory Power Plug
13	Casing

## What to do when a Tyre is Punctured.

### WARNINGS

Before attempting a repair, activate hazard warning lights if the vehicle is causing an obstruction.

Where possible the vehicle should be parked away from traffic. Where the vehicle, yourself or passengers are at risk of collision with passing traffic, and the vehicle cannot be moved to a safe location, have the vehicle professionally recovered (refer to the 'Vehicle Recovery' section).

Set the parking brake to ensure the vehicle doesn't move unexpectedly.

A tyre puncture within the tyre's tread area can be repaired in two stages with the temporary mobility kit:

- Stage 1. The tyre is reinflated with a sealing compound and air. After the tyre has been reinflated, the vehicle is driven a short distance to distribute the sealant in the tyre.
- Stage 2. The tyre pressure is checked and, if necessary, adjusted to the correct value.

### Stage 1: Reinflating the Tyre with Sealing Compound and Air

### WARNINGS

Do not remove any foreign objects, such as nails or screws, from the tyre.

## Wheels and Tyres

**!** Only punctured areas located within the tyre tread can be sealed with the TMK.

**!** Do not attempt to repair punctures larger than 6.4mm.

**!** Do not attempt to repair damage to the tyre's sidewall.

**!** Do not attempt to repair damage to worn-out tyres using the TMK.

**!** Sealant compound contains latex. Ensure you use the non-latex gloves provided to avoid an allergic reaction.

**!** Only use the sealing compound before the use-by date. The use-by date is on the lower right hand corner of the label located on the sealant canister.

**!** Tyre sealants that are injected through the valve stem are not to be used to service punctured tyres because they can produce wheel rust and tyre imbalance.

1. Remove valve cap from tyre valve.
2. Unwrap the clear tube from the compressor housing.
3. Remove tube cap and fasten metal connector of tube to the tyre valve, turning clockwise. Make sure the connection is tightly fastened.
4. Plug the power cable into the 12V power source in the vehicle.

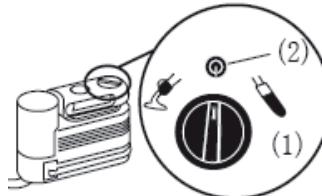


5. Remove the warning sticker found on the canister and place it on the top of the instrument panel or the centre of the dash.
6. Start the engine.

### WARNING

**!** When using the temporary mobility kit, leave the engine running so the compressor operation does not drain the vehicle's battery. Do not leave the engine running if the area is not well-ventilated / outdoors. Do not leave the engine running if the car is parked over dry grass or other dry ground cover. The emission system heats up the engine compartment and exhaust system which can start a fire.

7. Turn dial (1) counterclockwise to the sealant position. Turn on the kit by pressing the On/Off button (2).



# Wheels and Tyres

## WARNINGS

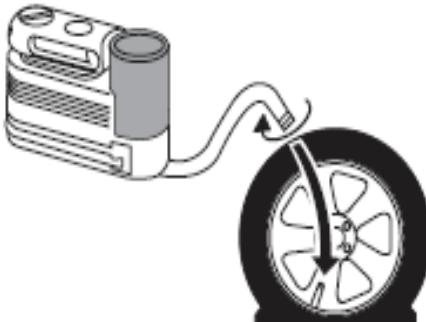
**!** Do not stand directly over the TMK while inflating the tyre. If you notice any unusual bulges or deformations in the tyre's sidewall during inflation, stop and call for qualified recovery service assistance.

**!** Never leave the temporary mobility kit unattended while it is operating.

**!** Keep the TMK away from children.

**!** To help prevent the TMK compressor from overheating, do not allow the compressor to operate continuously for more than fifteen minutes.

8. Inflate the tyre to the pressure listed on the tyre label located in the glove box.



## WARNING

**!** If, during the repair procedure, the tyre does not inflate to the recommended pressure within fifteen minutes, stop and call for qualified recovery service assistance.

**Note:** When the sealing compound is first added into the tyre, the air pressure gauge reading on the compressor unit may indicate a higher value. This is normal and should be no reason for concern.

The pressure drops after about thirty seconds of operation. The tyre pressure has to be checked with the compressor in the OFF position to get the correct tyre pressure reading.

9. When the recommended tyre pressure is reached, turn off the kit by pressing the 'On/Off' button; disconnect the kit from the tyre valve and the power point. Re-install the valve cap on the tyre valve, place the tube cap on the metal connector, and return the kit to the stowage area.
10. Immediately drive the vehicle (with caution) for 6 km to distribute the sealant evenly inside the tyre. Do not exceed 80 km/h.

**Note:** If you experience any unusual vibration or noise while driving, reduce speed until you can safely pull off to the side of the road to call for roadside assistance. Do not proceed to Stage 2.

11. After 6 km, stop and check the tyre pressure. Refer Stage 2 below.

## Stage 2: Checking Tyre Pressure

Check the air pressure of your tyre as follows:

1. Remove the valve cap from the tyre valve.

## Wheels and Tyres

- Unhook the black hose from the side of the compressor and fasten firmly on the valve stem by turning clockwise.

### WARNING

 If you are proceeding from Stage 1 and the pressure is below 1.4 bar (20 psi), stop and call roadside assistance.

- Turn the dial clockwise to the 'Air' position. Turn on the kit by pressing the 'On/Off' button.
- Adjust the tyre to the recommended inflation pressure from the tyre label located on the inside of the glove box. Press the deflation button to remove air (Refer to TMK General Information earlier in this section for button location.)



**Note:** The tyre pressure has to be checked with the compressor in the 'OFF' position to get the correct tyre pressure reading.

- Turn the compressor off by pressing the 'On/Off' button.
- Unplug the hoses, re-install the valve cap on the tyre and return the kit to the stowage area.

### WARNING

 The power plug may get hot after use and should be handled carefully while unplugging.

### What to do after the Tyre has been Sealed

### WARNINGS

 Do not drive the vehicle above 80 km/h with a TMK repaired tyre.

 Do not drive further than 200 km with a TMK repaired tyre. Drive only to the closest authorised Ford dealer or tyre repainer to have your tyre inspected.

 Drive carefully with a TMK repaired tyre and avoid abrupt steering inputs.

 Periodically monitor tyre inflation pressure in the TMK repaired tyre. If the tyre is losing pressure, have the vehicle professionally recovered. (Refer to the 'Vehicle Recovery' section of this manual for further information)

After using the TMK to seal your tyre, you need to replace the sealant canister and clear tube. Sealing compound and spare parts can be obtained and replaced at an authorised Ford Motor Company dealership or tyre dealer.

Empty sealant bottles may be disposed of at home. However liquid residue from the sealing compound should be disposed by your local Ford Motor Company dealership or tyre dealer, or in accordance with local waste disposal regulations.

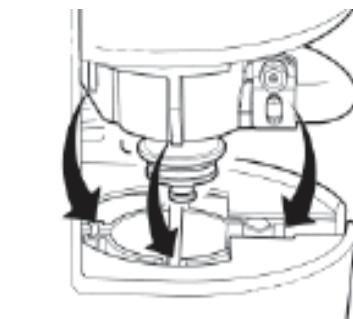
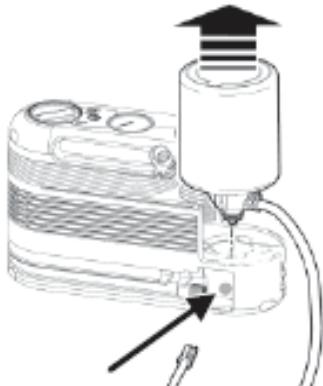
## Wheels and Tyres

### Removal of the Sealant Canister from the Temporary Mobility Kit

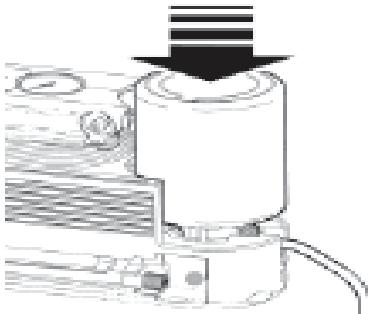
1. Unwrap the clear tube from the compressor housing.



2. Press the button located on the temporary mobility kit compressor housing below the canister while pulling up on the sealant canister.



2. Once aligned, seat the sealant canister by lightly pushing down until you hear an audible click.



3. Wrap the clear tube around the compressor housing.

**Note:** If you experience any difficulties with the removal or installation of the sealant canister, consult your Ford Motor Company authorised dealer for assistance.

Be sure to check the sealant compound's 'use by' date regularly.

The 'use by' date is on the lower right-hand corner of the label located on the sealant canister. The sealant canister should be replaced after four years.

### Installation of the Sealant Canister to the Temporary Mobility Kit

1. Align the sealant canister with the TMK housing.

# Wheels and Tyres

## TYRES

### WARNING

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

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

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.

Check the tyre pressures (including the spare) when cold, every two weeks.

## Tyre Pressures

### WARNING

 To reduce the risk of potential tyre failure that could lead to serious injury or death, increase the front and rear tyre placard pressures by the amount shown on the warning label (tyre placard located on the inside of the glove box lid), when driving over 160 km/h. Only travel at speeds over 160 km/h where it is legal and conditions allow.

Tyre recommendations may vary from time to time. Refer to the tyre placard, (located on the inside of the glove box) for the tyre pressures, load rating index and speed ratings applicable to your vehicle.



**Note:** Model designations include all engine types unless otherwise specified.

**Note:** The listed tyre pressures are also applicable to the full size spare (if equipped).

**Note:** Tyre recommendations may vary from time to time. Refer to the tyre placard (located on the inside of the glove box) for the tyre pressures, load rating index and speed ratings applicable to your vehicle.

**Note:** For consistent high speed operation, cold inflation pressures must be increased by 30 kPa (4 psi).

**Note:** Maximum cold tyre inflation pressures must not exceed 300 kPa (44 psi) (excluding temporary spare).

**Note:** Tyre size, load rating index and speed ratings are moulded onto the tyre side wall.

**Note:** Tyre speed and load ratings must not be exceeded when operating the vehicle. Take particular care when using the vehicle for heavy loads (for example, trailer towing) or high speed operation.

**Note:** For trailer towing, refer to the tyre pressure information in the 'Trailer Towing' section of this manual.

**Note:** If tyres are replaced, do not fit tyres that have a speed rating or load rating index of less than that shown as a minimum on the tyre placard (located on the inside of the glove box).

**Note:** Failure to follow these instructions can result in a loss of vehicle stability due to tyre failure that could lead to serious injury or death. If you are not sure about the proper tyre inflation pressures, contact your authorised Ford Motor Company dealership or service centre.

## Tyre Pressures for Standard Tyres

Tyre Pressures (when tyres are cold)						
Model	Tyre Size	Pressure kPa (psi)				
		Normal Load		Maximum Load		
		Front	Rear	Front	Rear	
Falcon	215/60 R16 95V	240 (35)	240 (35)	240 (35)	300 (44)	
Falcon Lpi	215/60 R16 95V	230 (33)	250 (36)	240 (35)	300 (44)	
G6E	245/40 R18 XL 93Y	210 (30)	210 (30)	250 (36)	270 (39)	
G6E & XR6 Turbo	245/35 R19 XL 93Y	260 (38)	260 (38)	290 (42)	290 (42)	
XR6	245/40 R18 XL 93Y	230 (33)	210 (30)	250 (36)	270 (39)	
XR6 Lpi	245/40 R18 XL 93Y	210 (30)	210 (30)	250 (36)	270 (39)	
XR6-Optional	245/35 R19 XL 93Y	260 (38)	260 (38)	290 (42)	290 (42)	
XR6 Lpi-Optional	245/35 R19 XL 93Y	260 (38)	260 (38)	290 (42)	290 (42)	
GS/XR8	Front-245/35 R19 XL 93Y	260 (38)		270 (39)		
	Rear-275/30 R19 XL 96Y		280 (41)		280 (41)	
Temporary Spare	T155/80 R17 111M	420 (61)	420 (61)	420 (61)	420 (61)	

## Tyre Pressures for Police Tyres

Tyre Pressures (when tyres are cold)						
Model	Tyre Size	Pressure kPa (psi)				
		Normal Load		Maximum Load		
		Front	Rear	Front	Rear	
Falcon-Police	235/50 R17 96V	210 (30)	210 (30)	240 (35)	270 (39)	
Police Lpi	235/50 R17 96V	210 (30)	210 (30)	240 (35)	270 (39)	
XR6 Police	245/40 R18 XL 97Y	230 (33)	210 (30)	250 (36)	270 (39)	
XR6 Lpi Police	245/40 R18 XL 97Y	210 (30)	210 (30)	250 (36)	270 (39)	
XR6 Turbo Police	245/40 R18 XL 97Y	230 (33)	210 (30)	250 (36)	270 (39)	

# Wheels and Tyres

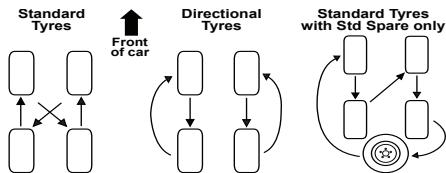
## Tyre Rotation

To make sure the front and rear tyres of your vehicle wear evenly and last longer, we recommend that you swap the tyres from front to rear and vice versa at regular intervals of between 5,000 and 10,000 km.

**Note:** It is **not** possible to rotate tyres on an **XR8** vehicle.

Your vehicle has been fitted with tyres that have been optimally matched to contribute to safe and economical handling. When fitting tyres, it is strongly recommended that you use the type and make originally fitted to your vehicle. For further information, contact your authorised Ford dealer.

**Note:** Tread wear indicators are moulded into the bottom of the tread grooves to aid in determining when to replace the tyre. Tyre should be replaced before the tread wears down to the same height as the wear indicators.



## Replacing Tyres

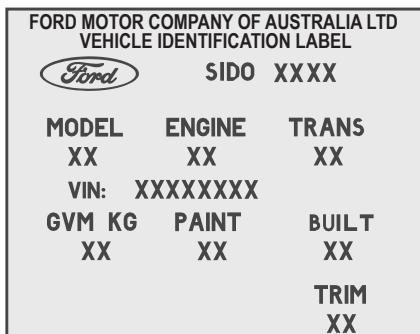
### WARNINGS

**!** When replacing full size tyres, never mix radial bias-belted, or bias-belted tyres. Use only the tyre sizes that are listed on the tyre placard (located on the inside of the glove box). Ensure that all tyres are the same size, speed rating, and load-carrying capacity.

**!** Tyre sealants that are injected through the valve stem are not to be used to service punctured tyres, unless approved by Ford, because they can produce wheel corrosion and tyre imbalance.

# Vehicle Identification

## VEHICLE IDENTIFICATION LABEL



This label contains the vehicle model, identification number and special vehicle components.

## BUILT DATE

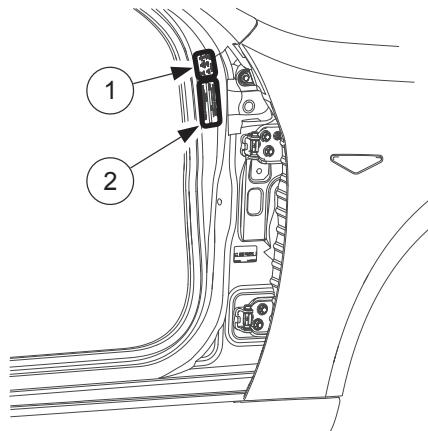
'Built Date' means the calendar month and the year in which the body shell and power train subassemblies are conjoined, and the vehicle is driven or moved from the production line.

## VEHICLE COMPLIANCE LABEL



This label indicates the vehicle identification, gross vehicle mass and seating capacity.

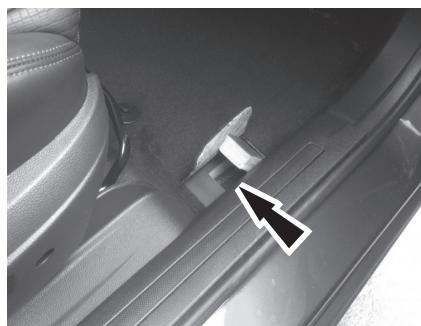
Both the vehicle identification label and the compliance label are located on the driver's side A pillar, inside the door.



1 Vehicle identification label.

2 Vehicle compliance label.

In addition, the VIN is stamped into metal and can be found by lifting the 'cut-out' strip in the carpet, in the front and to the right of the driver's seat.



# Vehicle Identification

## VEHICLE IDENTIFICATION PLATE (EcoLPi)

In addition to the standard identification labels that are fitted to your vehicle, an LPG identification plate, with tank serial number, is fitted to the driver's side of engine bay.

The plate identifies that your vehicle is an LPG vehicle as produced by Ford Motor Company of Australia Limited.

### FORD MOTOR COMPANY OF AUSTRALIA LTD LIQUEFIED PETROLEUM GAS COMPLIANCE PLATE

CONTAINER SERIAL No.

CONTAINER SERIAL No.

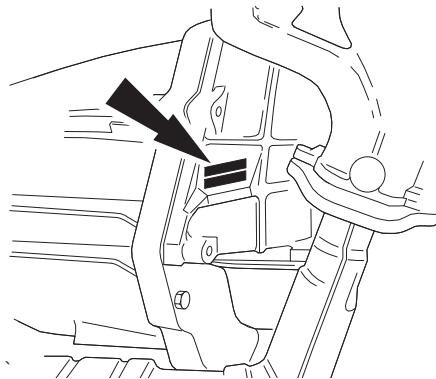
VIN 6FPAAA

THIS LPG FUEL SYSTEM WAS MANUFACTURED  
TO COMPLY WITH A.S./NZS 1425 - 1999

## ENGINE NUMBER

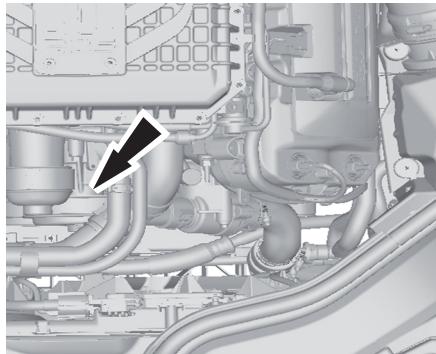
### 2.0L GDTi TI-VCT I4 EcoBoost, 4.0L DOHC DI-VCT I6, EcoLPi and 4.0L DOHC DI-VCT Turbo I6

The engine number is stamped on the rear of the cylinder block on the exhaust side.



### 5.0L V8

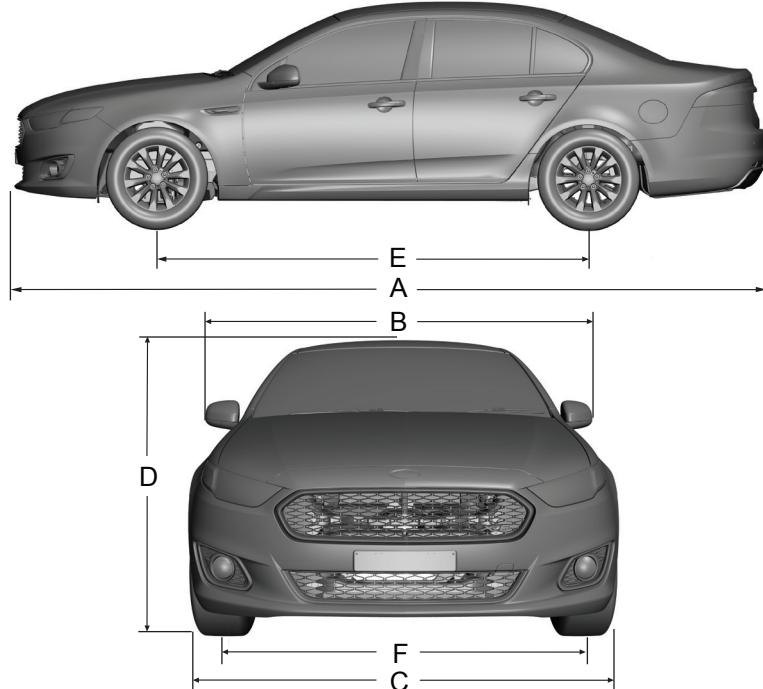
The engine number is stamped on the front of the cylinder block below the supercharger.



# Technical Specifications

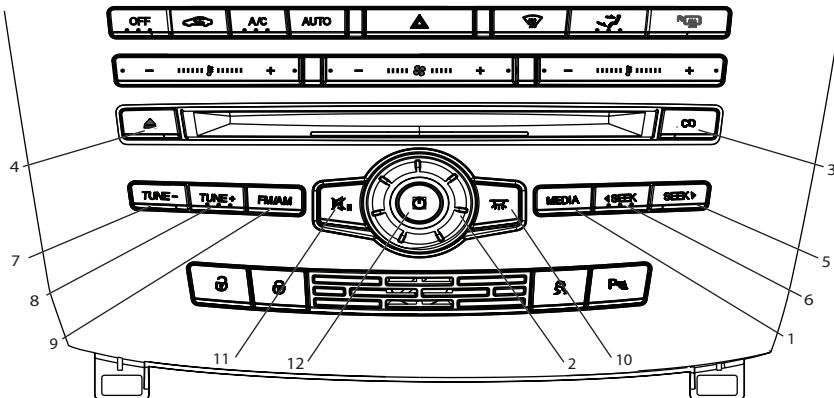
## VEHICLE DIMENSIONS

Approximate Dimensions (mm)				
Key	Dimension Description	Falcon	XR6, XR6 Turbo, XR8	G6, G6E, G6E Turbo
A	Overall Length	4950	4950	4950
B	Overall Width (inc. mirrors)	2100	2100	2100
C	Overall Width (excl. mirrors)	1868	1868	1868
D	Overall Height	1453	1453	1453
E	Wheelbase	2838	2838	2838
F	Front Track	1583	1583	1583
	Rear Track	1598	1598	1598
Turning Circle		11000	11000	11000



# Audio System

## AUDIO CONTROLS



### Interior Command Centre (ICC) Buttons

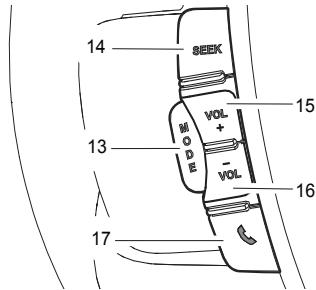
Item	Description
1	Media
2	Volume
3	CD
4	Eject
5	Seek Forward
6	Seek Back
7	Tune -
8	Tune +
9	FM/AM
10	Dome Lamp
11	Mute
12	On/Off

**Note:** Interior Command Centre (ICC) shown. Refer to your SYNC® manual for further information.

# Audio System

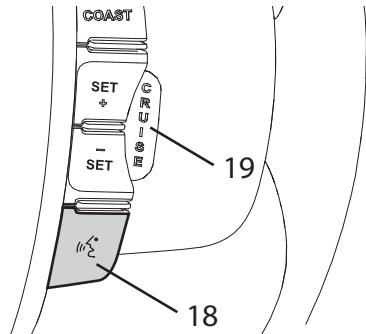
## Steering Wheel Buttons

### LHS Steering Wheel Buttons



### RHS Steering Wheel buttons

Pressing the 'Voice' button (18) activates the voice control for the SYNC® system



Item	Description
13	Mode
14	Seek (forward)
15	Volume Up
16	Volume Down
17	Phone
18	Voice Control
19	Cruise Control Buttons

# **Appendices**

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## **TYPE APPROVALS**

The Bluetooth® word mark and logos are owned by the Bluetooth® SIG, Inc. and any use of such marks by Ford Motor Company is under licence. Other trademarks and trade names are those of their respective owners.

iPod is a trademark of Apple Inc., registered in the US and other countries.

## **RADIO FREQUENCY REMOTE CONTROL**

If the type of approval of your remote control is inspected, please refer below:

### **Australia**

**Continental** 

433.92 MHz 5WK4 8791/9775

### **New Zealand**



## **myFord Warranty Plans**

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### **MYFORD WARRANTY PLANS**

As an existing owner you can apply for selected myFord warranty plans.

myFord warranty coverage options include increasing warranty protection for a further three years, up to 200,000 km.

For time only extension, customers must apply before their Ford reaches thirty-six months of age and their Ford must have travelled less than 80,000 km since the date of first registration.

For time and km extensions, customers must apply before their Ford reaches thirty-six months of age and their Ford must have travelled less than 100,000 km since the date of first registration.

Terms, conditions and eligibility criteria apply.

Please contact your participating myFord authorised dealer for further details or call 13 FORD (13 3673).

Further information is also available at [www.myford.com.au](http://www.myford.com.au)

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