



**F-TYPE**  
**OWNER'S HANDBOOK**

**Publication Part No. JJM 18 02 35 141**

# Introduction

## CALIFORNIA PROPOSITION 65 WARNING

First Warning Statement:

### WARNING

Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm.

## ABOUT THIS HANDBOOK

Please take the time to study all of the owner/operator literature supplied with your vehicle as soon as possible.

## IMPORTANT


*The information contained in this handbook covers all vehicle derivatives and optional equipment, some of which will not be fitted to your vehicle. Due to printing cycles this handbook may include descriptions of options before they become generally available.*

*The vehicle options, hardware and software, are designed for the North American market. If the vehicle is registered or used in another geographical area, it may need modifications to suit local requirements. Jaguar Land Rover Limited is not responsible for the cost of any modifications. Warranty conditions may be affected.*

The information contained in this publication was correct when it went to print. Subsequent vehicle design changes may result in a supplement being added to the literature pack. Updates can also be viewed on the internet site, <http://www.ownerinfo.jaguar.com>.

In the interest of development, the right is reserved to change specifications, design or equipment at any time without notice and without incurring any obligations. This publication, or part thereof, may not be reproduced nor translated without our approval. Errors and omissions excepted.

## SYMBOLS USED IN THIS HANDBOOK

 This safety alert symbol precedes any safety message about a risk of personal injury. It will also have one of the following signal words.

### DANGER

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

## **⚠ CAUTION**

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

## **NOTICE**

Indicate either a procedure which must be followed precisely, or information that should be considered with great care, in order to avoid the possibility of damage to your vehicle.



This recycling symbol identifies those items that must be disposed of safely in order to prevent unnecessary damage to the environment.



This symbol indicates items that must be disposed of correctly, as they contain harmful substances. Seek advice on disposal from a Dealer/Authorized Repairer and/or your local authority.



This symbol identifies those features that can be adjusted, disabled or enabled by a Dealer/Authorized Repairer.

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## **INSTRUCTIONAL VIDEOS**

Throughout this handbook are a selection of QR codes which, when scanned using a smartphone app, will connect the smartphone to relevant instructional videos.

**Note:** *These videos are best viewed using a high-speed internet or 4G connection.* Get the free mobile app at:



<http://gettag.mobi>

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# Reporting safety defects

## **REPORTING SAFETY DEFECTS (USA)**

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Jaguar Land Rover North America, LLC.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign.

However, NHTSA cannot become involved in individual problems between you, your dealer or Jaguar Land Rover North America, LLC.

To contact NHTSA, you may call the Vehicle Safety Hotline, toll-free, at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>; or write to:

Administrator, NHTSA, 1200 New Jersey Avenue, S.E, Washington DC. 20590.

To contact Jaguar Land Rover North America, LLC, call 1-800 4 Jaguar.

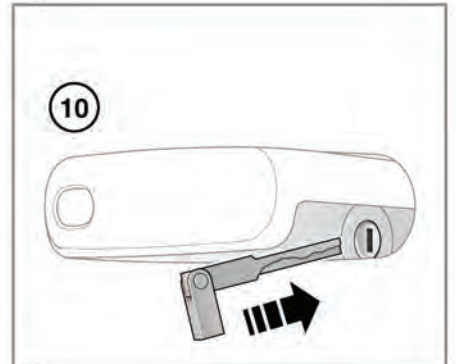
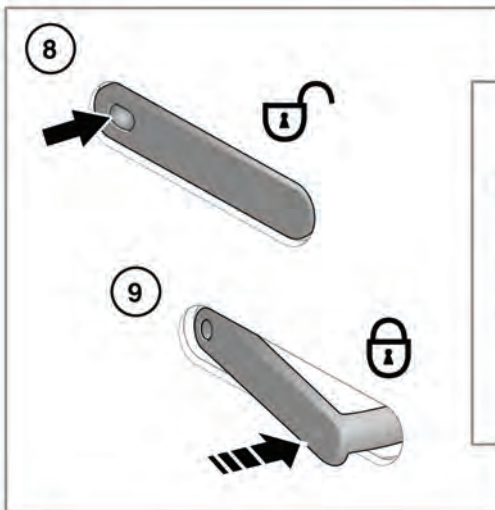
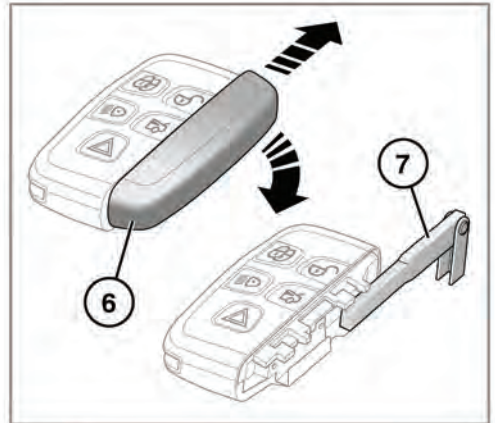
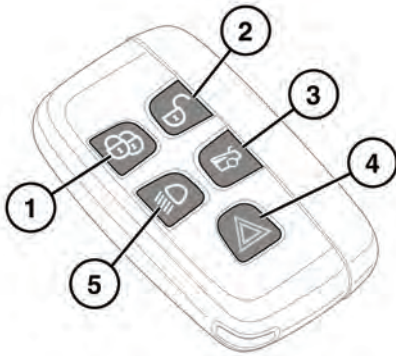
You can also obtain other information about motor safety from <http://www.safercar.gov>.

## **REPORTING SAFETY DEFECTS (CANADA)**

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform Transport Canada, in addition to notifying Jaguar Land Rover Canada ULC.

To contact Transport Canada, call their toll-free number: 1-800-333-0510.

## UNLOCKING THE VEHICLE



E149031

### **⚠ WARNING**

Any person fitted with an implanted medical device should make sure that the device is kept at a distance of at least 9 inches (23 cm) away from any transmitter mounted in the vehicle, see 189, REMOTE KEY FOB TRANSMITTER LOCATIONS. This is to avoid

any possibility of interference between the system and device. Interference may cause the implanted medical device to malfunction, causing serious injury or death.

# Entering the vehicle

## **⚠ WARNING**

**To prevent accidental or unauthorized operation, never leave children or animals unattended in the vehicle. The vehicle can be operated when the Smart key is inside the vehicle.**

1. Lock: Press to secure the vehicle. See **12, LOCKING AND ARMING THE ALARM.**

*Note: Handles will automatically retract to the flush position on both doors.*

2. Unlock:

*Note: Handles will automatically deploy on all unlocked doors.*

The vehicle can be unlocked using either Single or Multi-point entry.

When Single point entry is enabled, the first press unlocks the driver's door and enables the other door to be opened from the inside. The hazard warning lamps will flash twice to indicate that the vehicle is unlocked and the alarm has been disarmed. A second press unlocks the passenger door and the luggage compartment.

If Multi-point entry is enabled, press briefly to unlock all the doors and luggage compartment and to disarm the alarm. The hazard warning lamps will flash twice to indicate that the vehicle is unlocked and the alarm has been disarmed.

To change from Single to Multi-point entry (or vice versa), press both the lock and unlock buttons simultaneously for three seconds. The hazard warning lamps will flash twice to confirm the change.

The change can also be achieved using the instrument panel menu. See **33, INSTRUMENT PANEL MENU.**

3. Press to open the luggage compartment. The vehicle security system will remain active for the period the luggage compartment is open. Door and hood security will remain active.

The security system will re-arm to its previous state when the luggage compartment is closed.

4. Panic alarm. Press and hold for 3 seconds, or press 3 times within 3 second to activate the horn, siren and hazard warning lamps.

After 5 seconds, the alarm can be canceled by pressing and holding the panic alarm button for 3 seconds, or by pressing the button 3 times within 3 seconds.

The emergency alarm will also be canceled if the vehicle detects a valid Smart key when the START/STOP button is pressed.

5. Press to switch on the approach illumination for up to 120 seconds. The illumination time is set using the exit delay switch. Pressing the button again or operating the starter button, will turn the approach lamps off.

6. Emergency key access: Slide up the side cover to release, then tilt away from the Smart key body to remove.

7. Remove the emergency key blade and unfold.

8. Keyless unlock, See **9, KEYLESS ENTRY:** Press to unlock the vehicle. The door handle will deploy.

*Note: Handle in the retracted flush position indicates a locked door.*

9. Keyless lock: Press the rear of the door handle to lock the vehicle. The door handle will retract to the flush position. See **12, LOCKING AND ARMING THE ALARM.**

*Note: Handle in the deployed position indicates an unlocked door.*



10. Emergency door unlock: If the Smart key and Keyless entry fail to open the vehicle, insert the key blade into the slot behind the driver's door handle. Pull and hold the handle for access.

- To unlock, turn the key blade towards the rear of the vehicle and release.

**Note:** *If the security system is disarmed, both doors and the luggage compartment will be unlocked. If the security system is armed, only the driver's door will unlock.*

**Note:** *If the vehicle is unlocked using the emergency key blade with the security system armed, the alarm will sound when a door is unlocked. To deactivate the alarm, press the unlock button on the Smart key or press the engine START/STOP button with the Smart key inside the vehicle.*

- To lock, turn the key blade towards the front of the vehicle and release.

**Note:** *This will lock both the doors but will not arm the alarm.*

**Instructional video** - Deployable door handle.



E161781

**Instructional video** - Emergency entry.



E161780

## KEYLESS ENTRY

### **NOTICE**

*If a Smart key is lost, a replacement can be obtained and reprogrammed to the vehicle by a Dealer/Authorized Repairer. Notify a Dealer/Authorized Repairer as soon as a Smart key is lost or stolen and have the remaining Smart key(s) reprogrammed.*

Keyless entry allows the vehicle to be unlocked and disarmed by simply operating the door handle, provided the Smart key is within 3 feet (1 meter).

The Smart key needs only to be on the driver's person; it does not need to be exposed or handled. However, the Smart key may not be detected if it is placed within a metal container or is shielded by a device with a back-lit LCD screen, such as a smart phone, laptop (including in a laptop bag), games console etc. Keep the Smart key clear of such devices when attempting Keyless entry or Keyless starting.

**Note:** *Keyless entry will unlock the vehicle in accordance with the current security setting (Single-point or Multi-point entry). However, if Single-point entry is the current setting and a door other than the driver's door is opened first, both the doors will unlock.*

When all open doors have been closed, the system will search the vehicle interior for a valid Smart key. If one is not detected, **SMART KEY NOT FOUND REFER TO HANDBOOK** will be displayed in the message center. See **69, KEYLESS START BACKUP**.

**Instructional video** - Keyless entry and Keyless locking.



E161509

# Entering the vehicle

## DRIVE-AWAY LOCKING

Locks both the doors and retracts all deployed door handles, when the vehicle exceeds a predetermined limit, set via the Vehicle set-up menu from the Instrument panel menu list. See **33, INSTRUMENT PANEL MENU**.

**Note:** Drive-away locking can be enabled/disabled via the Vehicle set-up menu from the Instrument panel menu list. If disabled the deployed handles will retract when the vehicle reaches a speed of 5 mph (8 km/h).

Use of the central locking/unlocking buttons will override the Drive-away locking feature for the rest of a journey. See **204, DRIVER CONTROLS**.

If a door is individually unlocked and opened, both the doors will relock when the open door is subsequently closed.

## REMOTE KEY FOB CARE

### **⚠ WARNING**

**To prevent unauthorized operation, never leave the Smart key unattended in the vehicle.**

Do not expose to extremes of heat, dust, humidity or allow contact with fluids. Do not leave the transmitter exposed to direct sunlight.

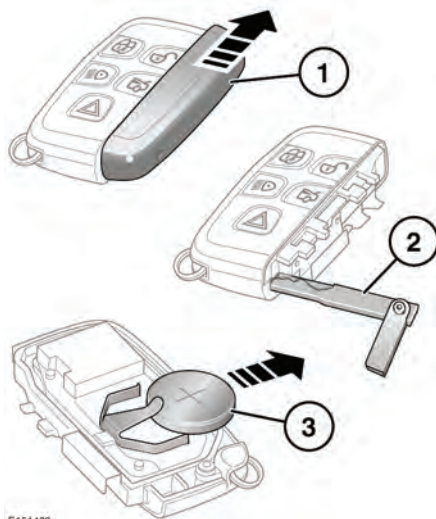
The emergency key blade number is recorded on an attached label. Peel off the label and keep it in a safe place, but not in the vehicle.

The operational range of the Smart key will vary considerably depending on atmospheric conditions and interference from other transmitting devices.

**Note:** The radio frequency used by the Smart key may be used by other devices (e.g. medical equipment). This may prevent the Smart key from operating correctly.

## REMOTE KEY FOB BATTERY REPLACEMENT

When the battery needs replacing, there will be a significant decrease in the effective range and the message **SMART KEY BATTERY LOW** is displayed in the Message center.



E151480

To replace the battery:

1. Slide the cover in the direction of the arrow until a click is heard. Remove the cover.
2. Use the emergency key blade to separate the Smart key body.
3. Fit a new CR2032 type battery (available from a Dealer/Authorized Repairer), with the positive (+) side upwards.

**Note:** Handle a new battery with the outer edge. Avoid touching the top and bottom faces of the new battery, as moisture/oil from your fingers can reduce battery life and corrode the contacts. If skin contact is made clean with a lint free cloth.

Refit the parts in the reverse order, ensuring that they click securely into place.



Battery disposal: Used batteries must be disposed of correctly, as they contain harmful substances. Seek advice on disposal from a

Dealer/Authorized Repairer and/or a local authority.

**Instructional video** - Changing the Smart key battery.



E151796

# Exiting the vehicle

## LOCKING AND ARMING THE ALARM

### **⚠ WARNING**

Before exiting the vehicle, always make sure the transmission is in Park (P), the engine is turned off, the parking brake is applied and the Smart key is removed from the vehicle.

### **NOTICE**

Remove all Smart keys and emergency key blades from the vehicle when it is left unattended. This will help prevent the alarm being disarmed and therefore help prevent theft

**Note:** Before locking the vehicle make sure that the hood, luggage compartment and both doors are fully closed.

**Note:** The hazard warning lamps will flash once to confirm that the vehicle is locked. The handle of both doors will retract to the flush position. The perimeter alarm will be activated, see **13, PERIMETER ALARM.**

### **Smart key locking:**

- Press the lock button to lock the vehicle.

### **Keyless locking:**

**Note:** Make sure the Smart key is within 1 m (3 ft) of the door handle.

### **NOTICE**

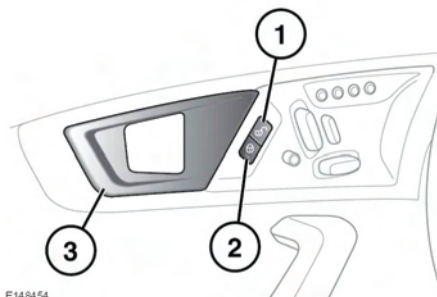
The Smart key may not be detected if it is placed within a metal container or if it is shielded by a device with a back-lit LCD screen, such as a smart phone, laptop (including when inside a laptop bag), games console etc.

- Press the deployed handle to lock the vehicle.

## DOOR LOCKS AND RELEASE LEVERS

### **⚠ WARNING**

Park (P) should be selected and the parking brake applied when the vehicle is stationary. The vehicle can move unexpectedly with any other gear position selected, which may result in death or serious injury.



1. Press the unlock button to unlock the vehicle.

**Note:** Handles will automatically deploy on both doors.

2. Press the lock button to lock the vehicle.

**Note:** Handles will automatically retract to the flush position on both doors.

3. Pull the release lever to open the door.

**Note:** If the car was locked using the Smart key, then operating the release lever will only release that door and the alarm will sound.

## MISLOCK

If any of the doors, the hood or the luggage compartment are not shut fully when the vehicle is locked using the Smart key or by Keyless locking, the vehicle will not lock and 2 warning tones will sound. Check that all doors, the hood and the luggage compartment are closed properly and lock the vehicle again.

## PERIMETER ALARM

The alarm system is activated when the vehicle is locked.

Once activated, the alarm system will sound if the hood, luggage compartment or any door is opened.

## DEACTIVATING THE ALARM WHEN TRIGGERED

If the alarm has been triggered, it can be deactivated by any one of the following methods:

- Press the unlock button on the Smart key.
- Open a door using keyless entry.
- Press the START/STOP button with a valid Smart key present.

## AUTOMATIC RELOCKING AND RE-ARMING OF THE ALARM

Automatic relock and re-arm is a feature which, if enabled, automatically relocks the vehicle and arms the anti-theft system.

If the vehicle is in a locked and armed state and the remote unlock button is pressed, but none of the doors or the luggage compartment are opened within 40 seconds, the vehicle will automatically relock both the doors and the luggage compartment and will re-arm the alarm system.

**Note:** Automatic relocking and arming will only relock and arm to the last locked and armed state.

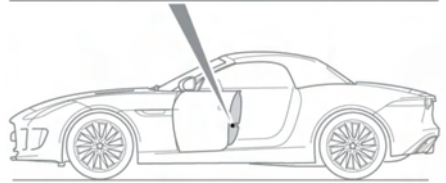
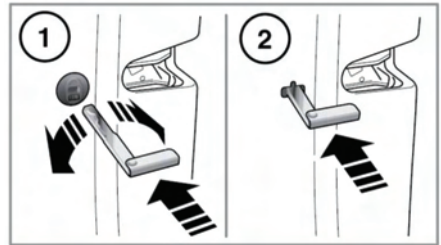


Automatic relocking and re-arming can be enabled/disabled by your Dealer/Authorized Repairer.

## SENSOR FAULTS

If the security systems detect a fault with one of the security sensors, an error tone will sound from the alarm after the vehicle is unlocked and disarmed. If this condition occurs, seek assistance from a Dealer/Authorized Repairer for rectification.

## EMERGENCY LOCKING



E148384

In the event of the battery discharging or a fault with the keyless locking system, the doors must be locked manually.

**Note:** Do not leave the emergency key blade in the vehicle at any point during the emergency locking procedure.

1. Open the door and locate the emergency lock access cover. Using the emergency key blade, see 7, **UNLOCKING THE VEHICLE**, rotate the cover to release it from the door.

Remove the cover and store it safely.

2. Insert the emergency key blade firmly into the emergency lock.

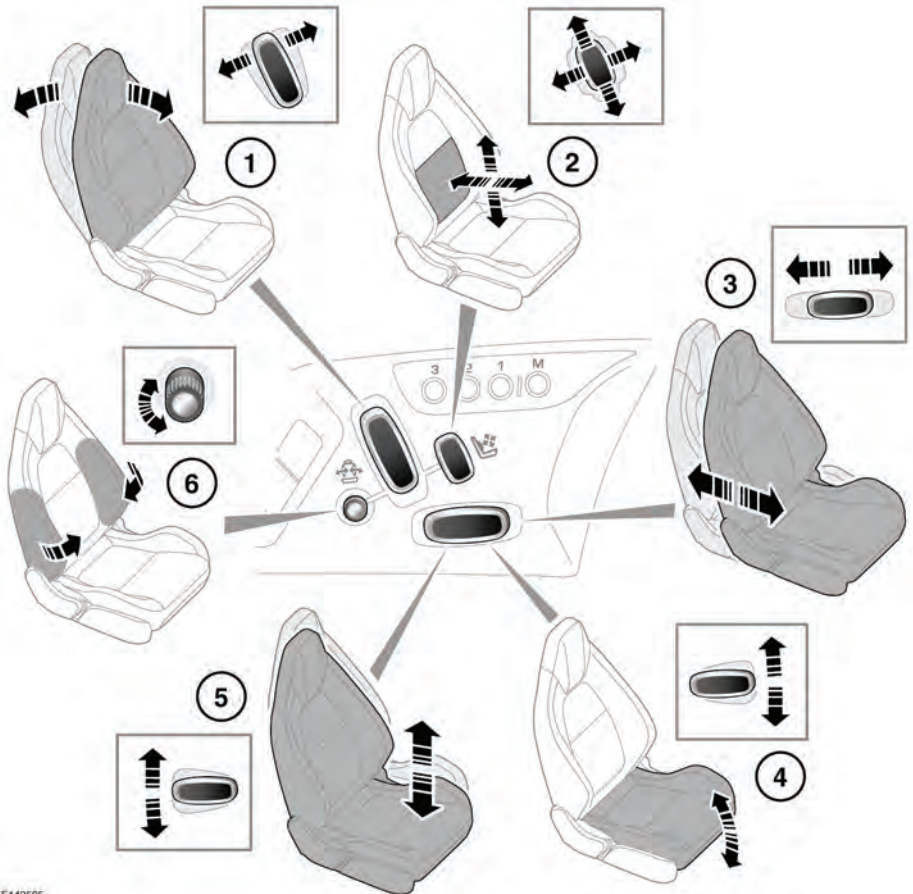
The emergency key blade can now be removed.

# Exiting the vehicle

3. Refit the emergency lock access cover and rotate it clockwise to secure it firmly.
4. Close the door and check to ensure that the door is locked.

Repeat the procedure for the other unlocked door.

## ELECTRIC SEATS



E149505

### **⚠ WARNING**

**Do not adjust the seat while the vehicle is moving. Doing so could cause loss of vehicle control and personal injury.**

1. Seat back angle adjustment.
2. Lumbar support adjustment.
3. Forward and rearward adjustment.
4. Cushion front tilt adjustment.

5. Height adjustment.

6. Bolster adjustment (inflate/deflate).

To adjust the seats, the Smart key must be in the vehicle and the ignition turned on.

If an obstruction is encountered while the seat is in motion, the seat will stop moving and further movement will be restricted until reset.

# Front seats

To reset the seat:

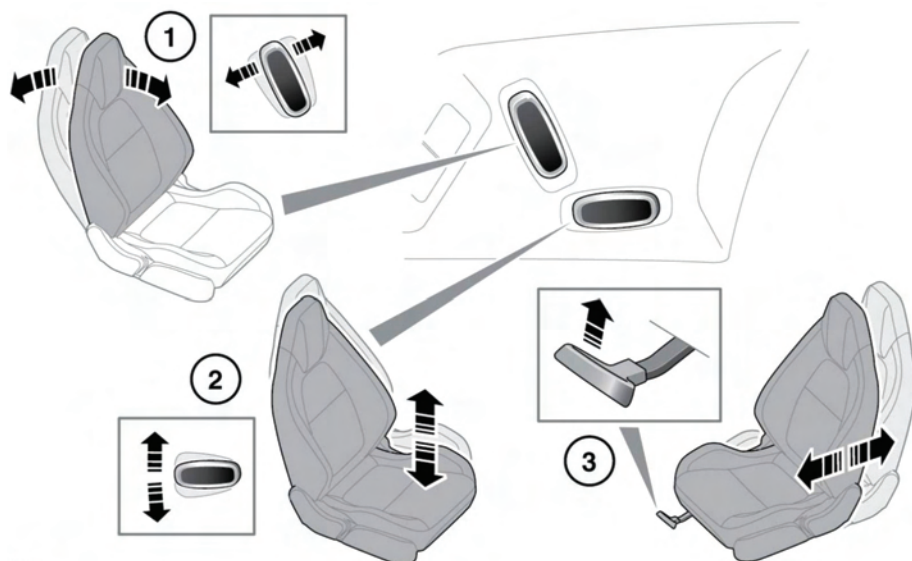
1. Remove the obstruction.
2. Adjust the seat to the point where movement is restricted.
3. Press and hold the switch for at least 2 seconds to override the restriction.

Instructional video - Memory seats.



E161783

## MANUAL SEATS



E149589

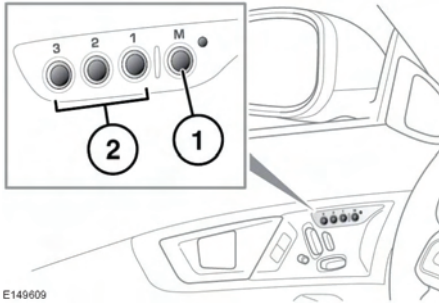
### **⚠ WARNING**

**Do not adjust the seat while the vehicle is moving. Doing so could cause loss of vehicle control and personal injury.**

1. Seat back angle adjustment.
2. Height adjustment.
3. Forward and rearward adjustment.



## DRIVING POSITION MEMORY



1. Memory set button.
2. Memory preset buttons.

Once you have adjusted the driver's seat, steering column (see **19, ADJUSTING THE STEERING WHEEL**) and exterior mirrors (see **46, EXTERIOR MIRRORS**) the vehicle can memorize these settings using the driver memory buttons.

Once the passenger seat has been adjusted, these settings can be memorized using the passenger memory buttons.

To memorize a setting:

1. Press the memory set button to activate the memory function.
2. Press one of the preset buttons within 5 seconds to memorize the current settings. For the driver's settings, a confirmation will be displayed on the Message center accompanied by an audible chime to confirm the settings have been memorized.

A seat position can only be memorized during the 5 second period.

Any existing settings for a memory preset will be over-written when programming a memory position.

## RECALLING A MEMORIZED POSITION

### **⚠WARNING**

**Before activating the seat memory, ensure that the area immediately surrounding the seat is clear of obstructions and that all occupants are clear of moving parts.**

Press the appropriate memory preset button. For the driver's settings, a confirmation will be displayed in the Message center.

## RESTRICTED SEAT TRAVEL

If an obstruction is encountered while the seat is in motion, the seat will stop moving and further movement will be restricted until reset.

To reset the seat:

1. Remove the obstruction.
2. Adjust the seat to the point where movement is restricted.
3. Press and hold the switch for at least 2 seconds to override the restriction.

## SITTING IN THE CORRECT POSITION

### **⚠WARNING**

**Never adjust the driver's seat while the vehicle is moving. Any sudden or unexpected movement of the seat could cause loss of control of the vehicle resulting in an accident.**

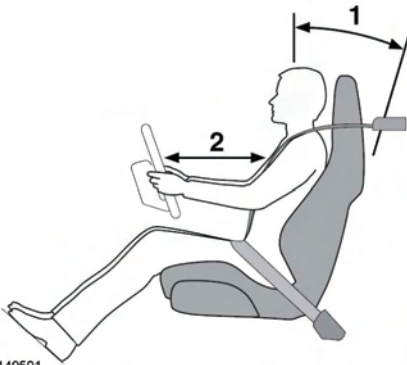
### **⚠WARNING**

**Do not sit or lean unnecessarily close to the air bag. An inflating air bag can cause serious injury or even death. Always fasten your seat belt properly and position the seat so that you can sit as far back as possible from the air bag and still comfortably reach all controls.**

E149609

# Front seats

The seat (with its integrated head restraint), seat belt and air bags, work together as a system to enhance occupant protection. Correct use of these components will give you greater protection, therefore you should observe the following points:



E149501

1. Sit in an upright position with the base of your spine as far back as possible. To achieve optimum benefit of the seat belt in the event of an accident, do not recline the seat excessively.
2. Do not move the driver's seat too close to the steering wheel. A minimum distance of 10 inches (254 mm) is recommended between the breastbone and the steering wheel air bag cover. Hold the steering wheel in the correct position with your arms slightly bent.
3. Position the seat belt so that it crosses your chest, mid-way between your neck and your shoulder. Fit the strap tightly across your hips, not across your stomach.

Make sure that your driving position is comfortable and enables you to maintain full control of the vehicle.

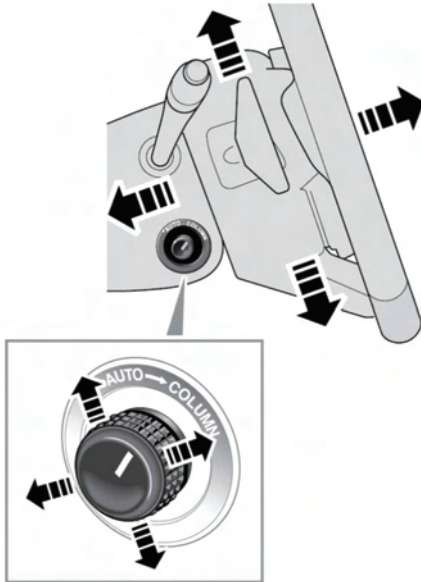
## ADJUSTING THE STEERING WHEEL

### **⚠ WARNING**

Never adjust the steering wheel while the vehicle is moving. Doing so may result in loss of control of the vehicle, potentially resulting in an accident.

### **⚠ CAUTION**

Do not use steering wheel mounted security devices. Movement of the steering wheel in exit and entry mode, could result in damage to the vehicle or possible injury to the occupant.



E149542

The steering wheel can be adjusted for tilt and reach as follows:

- Move the control forwards or rearwards to adjust reach.
- Move the switch up or down to adjust tilt.

Up to 3 steering wheel positions can be stored and recalled, along with seat and exterior mirror positions, by the driving position memory. See 17, **DRIVING POSITION MEMORY**.

## ENTRY AND EXIT MODE

With the steering column control in the **AUTO** position, the steering column will move to provide easier entry and exit from the vehicle. On opening the driver's door the system will raise the steering column to the highest position, assisting with exit from the vehicle. When the driver's door is closed and the ignition turned on, the system will return the steering column to the previous position.

**Note:** If the steering column is adjusted during entry or exit operation, automatic movement will stop.

To prevent automatic movement of the steering column, turn the control clockwise to the manual position (**COLUMN**).

**Note:** If the steering column switch is moved away from **AUTO** when the steering column is in the exit position, the steering column will move back to its previous position when the driver's door is closed and the ignition is switched on.

## HEATED STEERING WHEEL

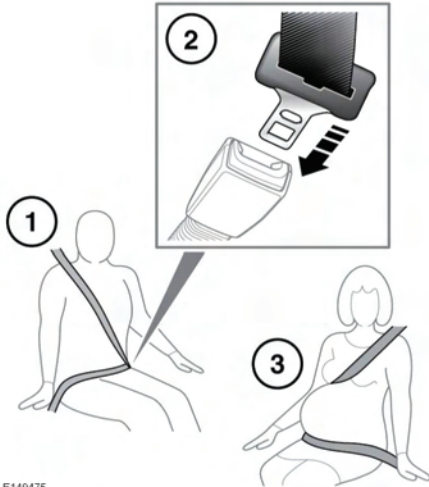


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To activate the heated steering wheel, press the switch. Press again to turn off.

# Seat belts

## USING THE SEAT BELTS



E149475

1. Draw the belt out smoothly, ensure that the seat, and your position on the seat are correct.

### **⚠ WARNING**

Seat belts should be worn by all vehicle occupants, for every journey, no matter how short. Failure to do so will greatly increase the risk of serious injury or death in the event of an accident.

### **⚠ WARNING**

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided. Never wear the seat belt as just a lap belt.

### **⚠ WARNING**

Each belt assembly must only be used by one occupant. Never let children share a seat or seat belt.

### **⚠ WARNING**

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

### **⚠ WARNING**

Belts should not be worn with the straps twisted.

### **⚠ WARNING**

Riding with a reclined seat back increases your chance of serious or fatal injuries in the event of a collision or sudden stop. The protection of your restraint system (seat belts and air bags) is greatly reduced by reclining your seat. Seat belts must be snug against your hips and chest to work properly. The more the seat back is reclined, the greater the chance that an occupant's neck will strike the shoulder belt. Drivers and passengers should always sit well back in their seats, properly belted, and with the seat back upright.

### **⚠ WARNING**

Never place anything between you and the seat belt in an attempt to cushion the impact in the event of an accident.

### **⚠ WARNING**

Never wear just the lap belt or just the shoulder belt of a lap/shoulder diagonal seat belt. Both of these actions are extremely dangerous and may increase your risk of injury.

2. With the seat belt correctly positioned, place the metal tongue into the buckle nearest to you. Press it in until a click is heard. Ensure that all slack has been taken up by the retractor and the belt fits tightly across the hips.

*Note: When releasing the seat belt it is advisable to hold the belt before pressing the release button. This will prevent the belt from retracting too quickly.*

To release the seat belt, press the red button.

## **⚠ WARNING**

**The air bag Supplementary Restraint System (SRS) is designed to add to the overall effectiveness of the seat belts. It does not replace them. Seat belts must always be worn.**

### **3. Use of seat belts during pregnancy:**

Position the lap strap comfortably across the hips, beneath the abdomen. Place the diagonal part of the seat belt between the breasts and to the side of the abdomen, as illustrated.

## **⚠ WARNING**

**Position the seat belt correctly for the safety of the mother and unborn child. Never wear just the lap strap and never sit on the lap strap while using just the shoulder strap. Both of these actions are extremely dangerous, and may increase your risk of serious injury in the event of an accident or during emergency braking.**

## **⚠ WARNING**

**Ensure that the seat belt is not slack or twisted.**

## **⚠ WARNING**

**Never place anything between you and the seat belt. It can be dangerous and reduce the effectiveness of the seat belt in preventing injury.**

## **SEAT BELT LOCKING MECHANISM**

The front passenger seat belt has a locking mechanism which improves the retention of large items on the seat. The mechanism can also be used to retain non-LATCH child seats. See **25, CHILD RESTRAINT CHECK LIST**.

The procedure to use the locking mechanism is as follows:

1. Place the large item on the seat.
2. Pull on the shoulder section of the belt to unreel all of the remaining webbing to the limit of its travel. This will engage the automatic locking feature which then acts as a ratchet, allowing the webbing to retract but not unreel again.
3. Allow the seat belt to retract onto the item (a clicking sound will confirm that the ratchet has engaged), while firmly pushing the item into the vehicle seat.
4. Make sure that there is no slack in the seat belt by pulling upwards on the shoulder belt immediately above the retained item.

When the item is removed and all of the seat belt webbing is allowed to retract, the seat belt locking mechanism reverts to normal operation.

## **SEAT BELT CARE**

### **⚠ WARNING**

**It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious. Damage to the seat belt can greatly reduce its effectiveness in reducing the risk of serious injury or death in the event of an accident.**

# Seat belts

## **⚠WARNING**

The belt should be replaced if webbing becomes frayed, contaminated or damaged. Damage to the seat belt can greatly reduce its effectiveness in reducing the risk of serious injury or death in the event of an accident.

## **⚠WARNING**

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. Damage to the seat belt can reduce its effectiveness in reducing the risk of serious injury or death in the event of an accident.

## **⚠WARNING**

Do not carry hard, fragile, or sharp items between your person and the seat belt. In an impact, the pressure on such items can cause them to break, which in turn may cause serious injury or death in the event of an accident.

## **⚠WARNING**

When using seat belts to restrain items other than occupants, take care to ensure that the belts are not damaged, or exposed to sharp edges. Damage to the seat belt can reduce its effectiveness in reducing the risk of serious injury or death in the event of an accident.

## **⚠WARNING**

Do not use comfort clips or devices that create slack in the seat belt system.

## SEAT BELT CHECKS

*Note: If the vehicle is parked on an incline, the seat belt mechanism may lock. This is not a fault and the belt should be gently eased out from the upper anchorage.*

The seat belts should be inspected regularly to check for fraying, cuts or wear to the webbing, and the condition and security of the mechanism, buckles, adjusters and mounting points.

- With the seat belt fastened, give the webbing near the buckle a quick upward pull. The buckle must remain securely locked.
- With the seat belt unfastened, unreel the seat belt to the limit of its travel. Check that it unreels smoothly with no snatches or snags. Allow the belt to fully retract, again checking for smooth operation.
- Partially unreel the seat belt, then hold the tongue plate and give a quick forward pull. The mechanism must lock and prevent any further unreeling.

If any of the seat belts fail to meet those criteria, immediately contact your Dealer/Authorized Repairer.

## SEAT BELT PRE-TENSIONERS

The seat belt pre-tensioners activate in conjunction with the Supplementary Restraint System (SRS) to provide additional protection in the event of a severe frontal impact. They automatically reduce any slack in a seat belt to reduce forward movement of a front seat occupant.

## **⚠WARNING**

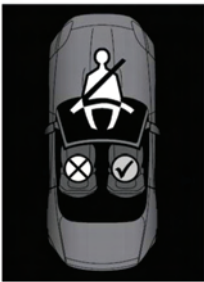
The seat belt pre-tensioners will activate only once and then must be replaced. Failure to replace them will reduce the effectiveness of the SRS in reducing the risk of serious injury or death in the event of an accident.

## **⚠WARNING**

After any impact, have the seat belts and pre-tensioners checked and, if necessary, replaced by a Dealer/Authorized Repairer.

## SEAT BELT REMINDER

Belt reminder commences when the vehicle is in motion and the driver's belt is unbuckled. Dependent on market, the warning indicator in the instrument pack illuminates (see **37, SEAT BELT (RED)**) and an audible chime sounds. The visual and audible warnings applicable to the Belt reminder feature are market dependent to meet individual market requirements. The warning signals given may also change depending on whether the vehicle is stationary or when the vehicle speed exceeds a predetermined threshold. In certain markets, the Belt reminder feature also applies to the passenger seat.



E149920

A graphic in the Message center also indicates which seat belts are fastened at the start of a journey and when a seat belt is fastened or unfastened during a journey.

Each seating position is represented by a passenger icon, the color of which indicates the seat belt status:

- Tick - seat belt in the indicated position is fastened.
- Cross - seat belt in the indicated position has been unfastened while the vehicle ignition is on. This indicator will turn gray after 30 seconds.
- Gray - seat belt not fastened.

**Note:** The indicators will be displayed for 30 seconds each time there is a status change, e.g., a seat belt is unfastened or fastened or a door is opened and then closed.

In addition, an audible warning will sound under the following conditions:

- The driver's or passenger's seat belt is not fastened or is unfastened while the vehicle is moving forwards.

**Note:** If a heavy object is placed on the passenger seat, it may activate the Belt reminder feature. It is recommended that the object be placed in the luggage compartment.

**Note:** Although not advisable, it is possible to disable the Belt reminder function. Please see your Dealer/Authorized Repairer to disable or re-instate the function.

# Child safety

## CHILD SEATS

### **⚠ DANGER**

Make sure the child seat fits your child properly. Always check the seat manufacturer's instructions and labels for height and weight limits. For more specific guidance, consult your pediatrician.

There are three general types of child restraint systems: Infant seats, toddler seats, and belt-positioning booster seats.

Infants: until at least 1 year of age and at least 20 lbs (9 kg).

Toddlers: until about age 4 and about 40 lbs (18 kg).

Boosters: belt-positioning booster until about age 8 or at least 4 ft 9 inches (145 cm) and seat belt fits properly.

### **⚠ DANGER**

Do not allow a baby or infant to be held or carried on the lap. The force of a crash can increase effective body weight by as much as thirty times, making it impossible to hold onto the child. At all times, children should be restrained in age and size appropriate child seats to reduce the risk of injury in a crash.

### **⚠ WARNING**

Children could be endangered in a crash if their child restraints are not properly secured in the vehicle. Always follow the instructions that accompany the child seat carefully.

Child restraint systems are designed to be secured in vehicle seats by use of the lap belts or the lap belt portion of a lap-shoulder belt. Children could be endangered in a crash if their child restraints are not properly secured in the vehicle.

The seat belts fitted to your vehicle are designed for adults and larger children. It is very important for all infants and children under 13 years of age to be restrained in a suitable child safety seat appropriate to their age and size.



E79258

This symbol, affixed to the door post on the passenger side, warns against the use of a rear-facing child seat in the passenger seat, when a front passenger air bag is fitted and operational.

If it is essential that a child travels in the passenger seat, Jaguar recommends that the following preparations are made before fitting the child restraint.

- Adjust the passenger seat fully rearwards.
- Adjust the lumbar support to its minimum support position.
- Adjust the seat cushion to its highest position. If cushion front tilt adjustment is possible, adjust it to its lowest position.
- Adjust the seat back to the fully upright position.

### **⚠ WARNING**

**Extreme hazard! Never place a rearward facing child restraint on the front passenger seat. The infant could be seriously injured or killed if the air bag deploys.**



## CHILD RESTRAINT CHECK LIST

Every time a child travels in the vehicle observe the following:

Non-LATCH child restraints

- Check that the Passenger air bag status indicator lamp indicates that the Passenger air bag is deactivated. See **30, OCCUPANT SENSING**.
- Carefully follow the instructions provided by the manufacturer of the restraint system.
- Always use the appropriate child restraints and adjust harnesses for every child, every trip.
- Make sure that a child falls into the correct weight range for the seat. Avoid dressing a child in bulky clothing and do not place any objects between the child and the restraint system.
- Regularly check the fit of a child seat and replace seats or harnesses that show signs of wear.
- Ensure that you have removed all slack from the adult seat belt.
- No child seat is completely child-proof. Encourage a child not to play with the buckle or harness.
- While driving, periodically check that the Passenger air bag status indicator lamp indicates that the Passenger air bag is deactivated. See **30, OCCUPANT SENSING**.
- If the Indicator lamp ceases to show that the Passenger air bag is deactivated, check the child seat installation.
- Never leave a child unsupervised in the vehicle.
- Set a good example - always wear your seat belt.

- Make sure that the passenger Seat belt locking mechanism is used to secure a non-LATCH child seat.

The procedure to install a non-LATCH child seat is as follows:

1. Place the child seat in the vehicle, attach the seat belt and secure the buckle in accordance with the manufacturer's fitting instructions.
2. Pull on the shoulder section of the belt to unreel all of the remaining webbing to the limit of its travel. This will engage the automatic locking feature which then acts as a ratchet, only allowing the webbing to retract.
3. Allow the seat belt to retract onto the child seat (a clicking sound will confirm that the ratchet has engaged), while firmly pushing the child seat into the vehicle seat.
4. Ensure that there is no slack in the seat belt, by pulling upwards on the shoulder belt immediately above the child restraint. The seat belt should now be locked and the child seat held firmly in position.

When the child seat is removed and all of the seat belt webbing is allowed to retract, the seat belt locking mechanism reverts to normal operation.

**Note:** *The legislation which governs how and where children should be carried when traveling in a vehicle, is subject to change. It is the responsibility of the driver to comply with all regulations in force.*

# Child safety

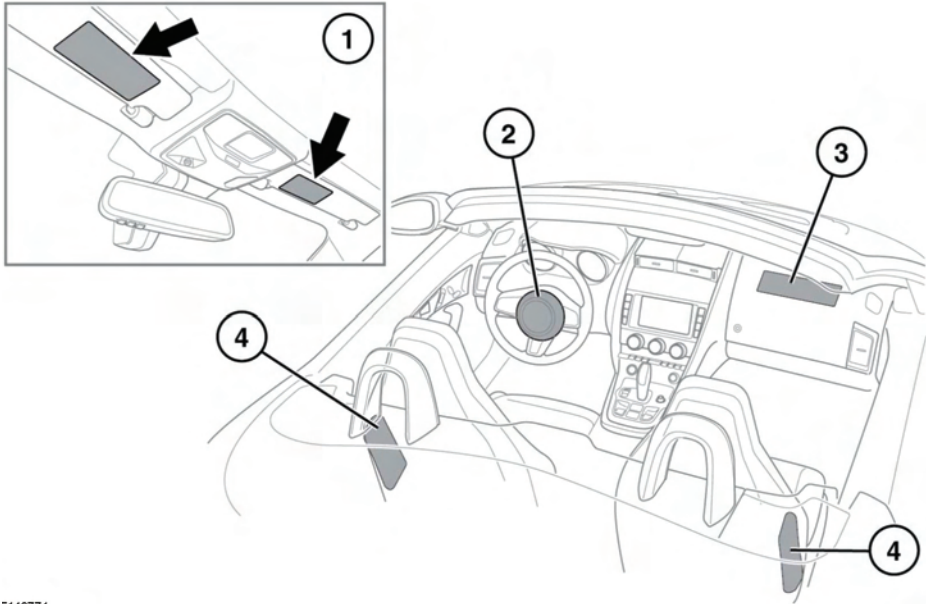
## CHILD SEAT POSITIONING

<b>PROPER CHILD SAFETY SEAT USE CHART</b>			
<b>Buckle Everyone</b>			
	<b>INFANTS</b>	<b>TODDLER</b>	<b>YOUNG CHILDREN</b>
<b>WEIGHT</b>	Birth to 1 year old and at least 20 to 22 lb. (9 to 10 kg).	Over 1 year and Over 20 to 40 lb. (9 to 18 kg).	Ages 4 to 8, unless 4 ft 9 in. (145 cm). Over 40 lb (18 kg).
<b>TYPE of SEAT</b>	Extreme hazard! Never place a rearward facing child restraint on the front passenger seat.	Convertible seat or Forward-facing toddler seat.	Belt positioning booster seat.
<b>SEAT POSITION</b>	The infant could be seriously injured or killed if the air bag deploys.	Forward-facing.	Forward-facing.
<b>ALWAYS MAKE SURE</b>		Harness straps should be at or above shoulder level.  Most seats require top slot for forward-facing.  Adjust the passenger seat fully rearward.	Belt positioning booster seats must be used with both the lap and shoulder belt.  Make sure the lap belt fits low and tight across the lap and upper thigh area and the shoulder belt fits snug crossing the chest and shoulder to avoid abdominal injuries.  Adjust the passenger seat fully rearward.

## BOOSTER SEATS

In a situation where a child is too large to fit into a child safety seat (child is over 20 lbs or 7.5 kg), but is still too small to safely fit the three point belt properly (under 4 feet 9 inches or 145 cm), a booster seat is recommended for maximum safety. Follow the manufacturer's instructions for fitting and use, then adjust the seat belt to suit.

## AIR BAGS



E149774

1. Air bag warning information is printed on the driver and passenger sun visors.
2. Driver's air bag.
3. Front passenger air bag.
4. Seat mounted side head/thorax air bags.

**Note:** The general location of air bags fitted to the vehicle are marked by the words AIR BAG.

### **⚠WARNING**

High speed impacts may cause serious injury or death irrespective of safety features fitted to a vehicle. Always drive with caution and consideration for the vehicle's characteristics, road and weather conditions, and do not exceed any speed limits in force.

### **⚠WARNING**

Seat belts must be worn at all times, by the driver and passenger. The air bag Supplementary Restraint Systems (SRS) cannot provide protection in some types of impact. Under these circumstances, the only protection will be provided by a correctly worn seat belt.

Always contact your Dealer/Authorized Repairer if:

- An air bag inflates.
- The front or sides of the vehicle are damaged.
- The amber air bag warning lamp illuminates.

# Air bags

- Any part of the air bag Supplementary Restraint System (SRS) shows signs of cracking or damage, including trim covering the air bags.

## FRONT AIR BAGS

The front passenger and driver air bags are able to deploy in 2 stages, depending on the severity of the frontal impact. In a severe impact, the air bags inflate fully to offer maximum protection. In a lesser impact, full deployment is not required, so the air bags are partially inflated.

## SIDE AIR BAGS

The seat mounted side air bags are designed to protect the head and thorax region of the torso and will deploy only in the event of a side impact and then, only on the side of the impact.

## AIR BAG OPERATION

### **⚠️WARNING**

**Air bags inflate at high speeds. To minimize the risk of injury, ensure that all vehicle occupants wear correctly positioned seat belts, sit correctly in the seats, and position the seats as far back as practical.**

### **⚠️WARNING**

**Air bag inflation takes place instantaneously, and cannot protect against the effects of secondary impacts. Under these circumstances the only protection will be provided by a correctly worn seat belt.**

### **⚠️WARNING**

**Phone systems should only be installed by qualified persons familiar with the operation of, and requirements for, vehicles fitted with SRS. If you are in any doubt, seek advice from your Dealer/Authorized Repairer.**

### **⚠️WARNING**

**National Highway Traffic Safety Administration (NHTSA) recommends a minimum distance of 10 in. (25 cm) between an occupant's chest and the drivers's air bag module.**

### **⚠️WARNING**

**Air bags provide additional protection in certain types of collision only, they do not replace the need to wear a seat belt. All occupants, in all seating positions, should always wear their seat belt.**

Air bag deployment is dependent on the rate at which the passenger compartment changes velocity following the collision. Circumstances affecting different collisions (vehicle speed, angle of impact, type and size of object hit, etc.), vary considerably and will affect the rate of deceleration accordingly.

The Supplementary Restraint System (SRS) is not designed to operate as a result of:

- Rear impacts.
- Minor front impacts.
- Minor side impacts.
- Heavy braking.
- Driving over bumps and pot holes.

Therefore, it follows that considerable superficial damage to the vehicle can occur, without causing the air bags to deploy.

## AIR BAG OBSTRUCTION

### **⚠️WARNING**

**Ensure that a gap is maintained between the side of the vehicle, and the head and torso. This will enable unobstructed inflation of the seat mounted side air bags.**

## **⚠ WARNING**

Do not use non-approved seat covers or accessory seat covers that have not been designed for use with air bags. If in doubt, consult your Dealer/Authorized Repairer.

## **⚠ WARNING**

Do not obstruct the operation of the air bags by placing any part of your person or any objects in contact with, or close to, an air bag module. If the air bag inflates, objects or any part of your person could interfere with the inflation of the air bag or be propelled inside the vehicle, causing injury to the occupants.

Do not allow passengers to obstruct the operation of the air bags by placing feet, knees, or any other part of the body, or any other objects in contact with, or in close proximity to, an air bag module.

Do not place objects between the air bag module and the seat occupant.

## **⚠ WARNING**

Do not attach or position items on, or close to, the seat backs or air bag covers which could interfere with the inflation of the air bag or be propelled inside the vehicle causing injury to the occupants.

Air bags cannot deploy correctly if they are obstructed. Examples of obstructions are:

- Any parts of an occupant's body in contact with, or close to, an air bag cover.
- Objects placed on, or close to, an air bag cover.
- Clothing, cushions or other material covering seat mounted air bags.
- Seat covers which are not approved by Jaguar or specifically designed for use with seat mounted air bags.

This list is not exhaustive. It remains the responsibility of the occupants to ensure that the air bags are not obstructed in any way.

*Note: Any unauthorized modification of the vehicle or parts may invalidate the vehicle warranty.*

## **AIR BAG DEPLOYMENT EFFECTS**

### **⚠ WARNING**

When an air bag inflates, a fine powder is released. This is normal and not an indication of a malfunction. The powder may cause irritation to the skin and should be thoroughly flushed from eyes and any cuts or abrasions. This powder can cause breathing difficulties for asthma sufferers or people with other respiratory problems. If this occurs, get out of the vehicle as soon as it is safe to do so or get fresh air by opening a window. If breathing problems persist, seek medical attention.

### **⚠ WARNING**

Air bag deployment is accompanied by a very loud noise which may cause discomfort and temporary loss of hearing.

### **⚠ WARNING**

After inflation, some air bag components will be very hot. Do not touch the air bag components until they have cooled sufficiently.

After inflation, the front and seat mounted air bags deflate immediately. This provides a gradual cushioning effect for the occupants and also ensures that the driver's forward vision is not obscured.

## **AIR BAG WARNING LAMP**



The air bag warning indicator is mounted in the instrument panel and will illuminate as a bulb check when the ignition is switched on.

# Air bags

## **⚠ WARNING**

**If the warning lamp signals that a malfunction is present in the system, do not use a child restraint on the front passenger seat.**

If any of the following warning lamp conditions occur, the vehicle should be checked by a Dealer/Authorized Repairer immediately.

- The warning lamp fails to illuminate when the START/STOP button is initially switched on.
- The warning lamp fails to extinguish within approximately 6 seconds of the START/STOP button being switched on.
- The warning lamp illuminates at any time other than as previously described.

When the ignition is switched on a diagnostic control unit monitors the readiness of the system's electrical circuits. The elements of the Supplementary Restraint System (SRS) being monitored include:

- SRS warning indicator.
- Rotary coupler.
- Air bag modules.
- Seat belt pre-tensioners.
- Air bag diagnostic control unit.
- Crash sensors.
- Air bag wiring harnesses.
- Seat occupancy sensor.
- Front passenger switchable seat belt load limiter.
- Front passenger belt tension sensor.

## **OCCUPANT SENSING**

The front passenger seat is fitted with an occupancy sensor system that determines if the seat is unoccupied, occupied by a person of low weight, a child seat or object, or is occupied by a heavier person or object.

The system consists of:

- A weight sensing pressure pad installed under the front passenger seat cushion. The sensor measures downward pressure/weight on the seat cushion.
- A seat belt tension sensor integrated into the anchor point of the front passenger seat belt.
- A control unit installed under the front passenger seat.
- An air bag status indicator lamp, mounted on the overhead console.

The occupancy weight sensor operates as follows:

<b>Front passenger seat occupancy status</b>	<b>Front passenger air bag status</b>	<b>Indicator active</b>
Completely empty	Deactivated	No*
Low weight object/occupant	Deactivated	Yes**
Heavy object/occupant	Activated	No

\* It is possible to receive an intermittent indicator illumination with an empty seat. This is part of the systems adaptive behavior and does not affect the status of the front passenger air bags. However, if the indicator becomes permanently illuminated when the seat is empty and the seat belt is unbuckled, contact your Dealer/Authorized Repairer immediately.

\*\* In some cases, a small child placed in a child seat may not activate the deactivation indicator. If this occurs, the front passenger air bag status will be as described for an empty seat.

The front passenger air bag is designed to provide supplementary protection to full sized adult occupants that are correctly seated and belted.

## **⚠ WARNING**

**Even with advanced air bags, children can be seriously injured or killed. It is strongly advised not to place a child in any type of child restraint or booster seat in the front passenger seat.**

## **⚠ WARNING**

**Extreme hazard! Never place a rearward facing child restraint on the front passenger seat. The infant could be seriously injured or killed if the air bag deploys.**

Deployment of the front passenger air bag is not always beneficial for small/lower weight occupants and could be harmful to children/infants in restraint systems. Jaguar vehicles are fitted with a sensing system (conforming to FMVSS 208) that automatically detects when deployment of the front passenger air bag would be unnecessary or potentially harmful.



E150458

If the seat is occupied by a lower weight adult and air bag deployment is judged by the system to be unnecessary, the passenger air

bag will be deactivated and the **PASS. AIR BAG OFF** symbol on the overhead console will be illuminated. An occupant weighing approximately 100 lbs (45.4 kg) is classified as a lower weight occupant, although, at this weight, with occupant movements and vehicle motion, the air bag activation/deactivation should be expected to switch states occasionally. This is not necessarily indicative of a system fault.

## **AIR BAG SERVICE INFORMATION**

### **⚠ WARNING**

**Do not attempt to service, repair, replace, modify, or tamper with, any part of the SRS. This includes wiring or components in the vicinity of SRS components. Doing so may cause the system to trigger or render the system inoperative, either of which may result in serious injury or death.**

### **⚠ WARNING**

**Do not use any electrical test equipment or devices in the vicinity of SRS components or wiring. Doing so may cause the system to trigger, or render the system inoperative.**

**For your safety, all of the following operations should only be carried out by a Dealer, or suitably qualified person:**

- Removal or repair of any wiring or component in the vicinity of any SRS components.
- Installation of electrical, or electronic, equipment and accessories.
- Modification to the front or sides of the vehicle exterior.
- Attachment of accessories to the front or sides of the vehicle.

Always contact your Dealer/Authorized Repairer if:

- An air bag inflates.

# Air bags

- The front or sides of the vehicle are damaged.
- Any part of the SRS shows signs of cracking or damage, including trim covering air bags.

## DISABILITY MODIFICATIONS

### **⚠WARNING**

**Occupants with disabilities that may require the vehicle to be modified must contact a Jaguar Dealer/Authorized Repairer before any modifications are made. Modifications may adversely affect the vehicle which can lead to loss of control, resulting in a crash.**

**(USA only) If you are considering modifying your vehicle in any way to accommodate a disability, for example by altering or adapting the driver's or passenger's seat(s) or air bag system, please contact:**

**Jaguar Land Rover North America LLC**

**Customer Relations Center**

**555 MacArthur Blvd**

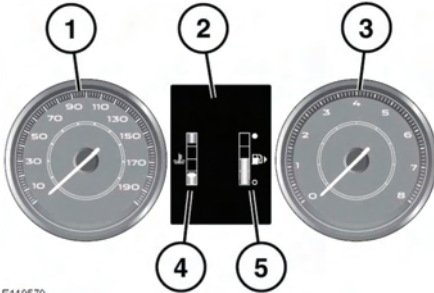
**Mahwah**

**New Jersey 07430-2327**

**1-800-637-6837, option #9.**



## INSTRUMENT PANEL



E149579

1. Speedometer.
2. Message center.
3. Tachometer.
4. Temperature gauge.

### NOTICE

*Serious engine damage can occur if the vehicle is driven while the engine is overheating.*

If the pointer moves onto the red line the engine is overheating. Stop the vehicle as soon as safety permits and allow the engine to idle until the temperature reduces. If, after several minutes, the temperature does not reduce, switch off the engine and allow to cool. If the problem persists, seek qualified assistance immediately.

**Note:** *If engine overheating occurs, there may be a noticeable reduction in engine power and the air conditioning may cease operation. This is a normal operating strategy, to reduce load on the engine and assist with engine cooling.*

5. Fuel gauge.

### NOTICE

*Never allow the engine to run out of fuel. The resultant misfire can seriously damage the catalytic converter.*

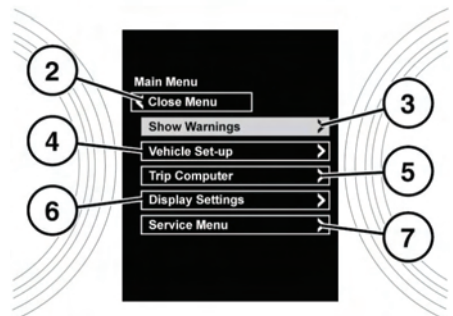
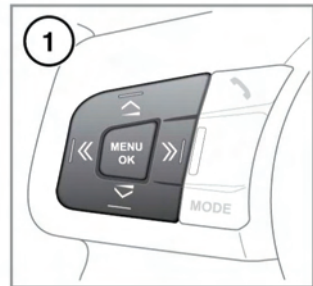
If the amber low fuel warning lamp illuminates, the vehicle should be refueled as soon as possible. The approximate distance that can be traveled on the remaining fuel can be viewed via the trip computer range function.

As a reminder for the location of the fuel filler, there is an arrow head symbol next to the fuel pump symbol pointing to the relevant side of the vehicle.

## INSTRUMENT PANEL MENU

### WARNING

**Do not allow any vehicle system, including the interactive controls, to distract the driver while the vehicle is moving. Driver distraction can lead to accidents causing serious injury or death.**



E149580

1. Steering wheel menu control.

# Instrument panel

- Press the **MENU OK** button to open the Instrument panel menu. When the menu is open, press the button to select the highlighted item.
  - Press the up/down arrow to scroll up or down through a list.
  - Press the right arrow to view a sub-list.
  - Press the left arrow to return to the previous menu.
2. Close the Instrument panel menu.
  3. Show any available warning or information messages.
  4. Access the **Vehicle Set-up** menu.
  5. Access the **Trip Computer** menu.
  6. Access the **Display Settings** menu.
  7. Access the vehicle **Service Menu** (only available with the ignition on).

## WARNING AND INFORMATION MESSAGES

### **⚠ WARNING**

**Do not ignore warning messages. Take appropriate action and, when necessary, seek qualified assistance before driving the vehicle. Failure to do so could result in failure of vehicle systems potentially causing loss of control and an accident.**

### **⚠ WARNING**

**If the message is suppressed, an amber or red warning icon will remain illuminated until the cause of the message is rectified.**

For information regarding the individual messages, their meanings, and any action required, please refer to the relevant section within this handbook.

If more than one message is active, each is displayed in turn for 2 seconds in order of priority.

**Note:** Messages are displayed in order of importance, with critical warning messages being the highest priority.

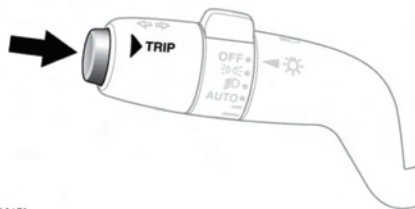
Warning messages may be accompanied by an audible warning, and the message text may have the handbook symbol next to it. Warning messages are displayed until the condition causing the fault is rectified or the message is suppressed using the **OK** button on the steering wheel. If the message is suppressed, a warning icon will remain illuminated until the cause of the message is rectified.

## TRIP COMPUTER

The computer memory stores data for a trip or series of trips until it is reset to zero. The displayed information is for guidance only, as it can be affected by traffic, road and weather conditions.

There are 3 trip memories available, A, B and Auto. You can specify which trip memory is viewable using the cluster menu.

## USING THE TRIP COMPUTER



E152473

A short press (1 second or less) or a series of short presses of the **TRIP** button will change the trip computer display. The options available are:

- Odometer.
- Trip distance.
- Trip average speed.
- Trip average fuel consumption.

- Instantaneous (short term average) fuel consumption.
- Range available from remaining fuel.
- Blank display.

To reset the trip computer values to zero, press and hold the **TRIP** button for 2 seconds.

To reset the fuel consumption value, press and hold the **TRIP** button until the display clears.

The distance, average speed and average fuel economy values for trip A and trip B can be reset. Set the trip computer display to show the trip that you wish to reset, then press and hold the **TRIP** button until the message **Resetting Trip** is displayed.

It is not possible to manually reset the Auto trip memory. This resets automatically each time the ignition is switched on.

Trips may be added together, to record a continuous trip, or removed. Press the **TRIP** button for longer than 1 second, when Auto trip memory values for distance, average speed and average fuel economy are displayed, then **Adding Last Journey** or **Removing Last Journey** will appear on the screen. Press the **TRIP** button for longer than 1 second, and the previous trip information will be added to or removed from the current trip and the new total will be displayed. There is no limit to the number of times this can be done before the ignition is switched off.

## TRIP DISTANCE

Distance traveled since the last memory reset. The maximum trip reading is 9 999.9 (miles or kilometers). The computer will automatically reset to zero if this distance is exceeded.

## RANGE

This shows the predicted distance (miles or kilometers) that the vehicle should travel on the remaining fuel, assuming fuel consumption stays constant.

## IMPERIAL/METRIC/MIXED DISPLAY

The trip computer readings can be changed between metric, imperial and mixed units in the Trip Computer menu of the Message center. See **33, INSTRUMENT PANEL MENU**.

*Note: Temperature display can be changed between °F (Fahrenheit) and °C (Celsius) independently of Imperial or Metric units.*

## SERVICE INTERVAL INDICATOR

An upcoming service interval will be notified to the driver via the Message center, as either a distance or time left until the service is due. Once the distance or time are exceeded, the display will show a negative value (-) to indicate that a service is overdue.

One or both types of service interval (distance and time) may be displayed.

# Warning lamps

## WARNING LAMPS AND INDICATORS

RED warning lamps are for primary warnings. A primary warning must be investigated immediately by the driver or qualified assistance before continuing.

AMBER and YELLOW warning lamps are for secondary warnings. Some indicate that a vehicle system is in operation, others indicate that the driver must take action and then seek qualified assistance as soon as possible.

GREEN and BLUE lamps within the instrument panel indicate system status.

## LAMP CHECK

A warning lamp bulb check is initiated when the ignition system is switched on, the lamps will then go out after a short period. If any warning lamp remains on after the engine is started, investigate the cause before driving.

Some warning lamps have associated messages, displayed in the Message center.

**Note:** *Not all warning lamps are included in the check (e.g. high beam headlamps and direction indicators).*

## CRITICAL WARNING MESSAGE (RED)



Illuminates when a critical warning message is available in the Message center.

## GENERAL WARNING/INFORMATION MESSAGE (AMBER)



Illuminates when a non-critical warning message or an information message is available in the Message center.

## ENGINE TEMPERATURE (RED)



Illuminates when the engine temperature is too high, accompanied by a message in the Message center.

Stop the vehicle as soon as safety permits and seek qualified assistance before continuing.

## BRAKE (RED)



**Do not drive if the message Brake Fluid Low is displayed. Check the brake fluid level and top-up as necessary. If necessary, seek qualified assistance before continuing. Driving with low brake fluid can cause increased braking distance or brake failure and can result in a collision.**



USA.



Canada.

Illuminates briefly as a bulb check when the ignition is switched on. If the lamp illuminates while driving, suspect low brake fluid level or a fault with the Electronic Brake Distribution (EBD) system.

Stop the vehicle as soon as safety permits and check and top-up the brake fluid, if necessary. If the lamp remains illuminated, seek qualified assistance before continuing.

## PARKING BRAKE (RED)



USA.



Canada.

Illuminates when the parking brake is correctly applied. If the lamp flashes, a fault has been detected. Seek qualified assistance urgently.

## SEAT BELT (RED)



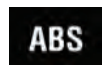
Illuminates, accompanied by a chime, when the vehicle is in motion and an occupied front seat belt is unbuckled. The lamp will extinguish when the relevant seat belt(s) is buckled.

**Note:** *Objects on the front passenger seat may activate the seat belt reminder. It is recommended that any objects placed on the front passenger seat are secured using the seat belt. See 20, USING THE SEAT BELTS.*

## ANTI-LOCK BRAKING SYSTEM (ABS) (AMBER)

### ⚠ WARNING

**If the ABS and brake warning lamps are illuminated at the same time, do not drive the vehicle until the fault is rectified as the brake system may not be functioning correctly. This may, in turn, lead to loss of control causing an accident. Seek qualified assistance immediately.**



USA.



Canada.

Illuminates briefly as a bulb check when the ignition is switched on.

If the lamp remains on or illuminates while driving, there is a fault with the ABS system. Drive with care, avoiding heavy brake application and seek qualified assistance urgently.

## ADAPTIVE FRONT LIGHTING SYSTEM (AMBER)



Illuminates when there is a system fault. The headlamps will still operate, but without this feature operating correctly. Seek qualified assistance as soon as possible.

## ENGINE/TRANSMISSION (AMBER)



Illuminates briefly as a bulb check when the ignition is switched on. If the lamp illuminates when the engine is running, there is an emissions related fault with the engine or transmission. The vehicle can be driven but may enter limp-home mode with the possibility of reduced performance. Seek qualified assistance as soon as possible.

If the warning lamp flashes while the engine is running, reduce speed and seek qualified assistance urgently.

## DYNAMIC STABILITY CONTROL (DSC) (AMBER)



Illuminates briefly as a bulb check when the ignition is switched on. If the lamp flashes while driving, the DSC system is active.

A fault with the DSC system is indicated by the warning lamp illuminating and an associated warning message. The vehicle can still be driven, but without DSC assistance. Seek qualified assistance as soon as possible.

# Warning lamps

## DYNAMIC STABILITY CONTROL (DSC) OFF (AMBER)



Illuminates when DSC is switched off.

If TracDSC is selected, the warning lamp will also illuminate and the message **TracDSC** is displayed for 4 seconds.

## REAR FOG LAMP (AMBER)



Illuminates when the rear fog lamps are switched on.

## AIR BAG (AMBER)



Illuminates as a bulb check when the ignition is switched on and extinguishes when the engine is started.

If the lamp illuminates when driving, there is a fault with the air bag system. Seek qualified assistance as soon as possible.

## AUTOMATIC SPEED LIMITER (AMBER)



Illuminates when Automatic Speed Limiter (ASL) is active.

## EXTERNAL TEMPERATURE (AMBER)



Illuminates when the external temperature is low enough that ice may be present on the road.

## TIRE PRESSURE MONITORING SYSTEM (YELLOW)



The warning lamp illuminates, accompanied by a message in the Message center, to warn that one or more tires are significantly under-inflated. Stop the vehicle as soon as possible, check the tire pressures and inflate to the recommended pressure.

The lamp will flash to indicate a system fault.

## HIGH BEAM (BLUE)



Illuminates when the high beam headlamps are switched on or flashed.

## SIDE LAMPS (GREEN)



Illuminates when the side lamps are switched on.

## HIGH BEAM ASSIST (GREEN)



Illuminates when the High beam assist feature has switched on the high beams.

## INTELLIGENT STOP/START (GREEN)



Illuminates when the engine is shut down by the Intelligent stop/start system.

**Note:** Other warning lamps normally shown during the lamp check, do not illuminate during an engine shutdown by the Intelligent stop/start system.

## TURN SIGNALS (GREEN)



The appropriate warning lamp will flash when the column stalk is moved up or down to signal a turn. If a turn signal lamp bulb fails, the audible ticking and warning lamp will sound and flash at twice the normal rate, when that turn signal lamp is selected.

## CRUISE CONTROL (GREEN)



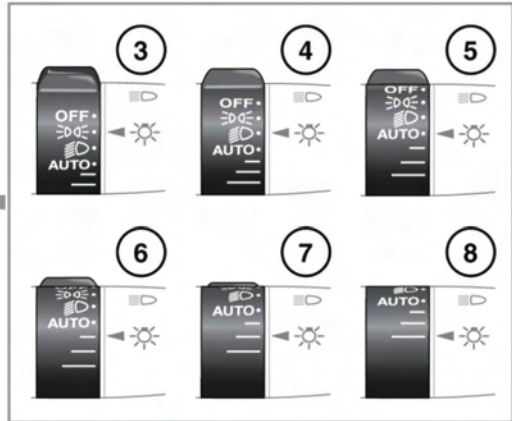
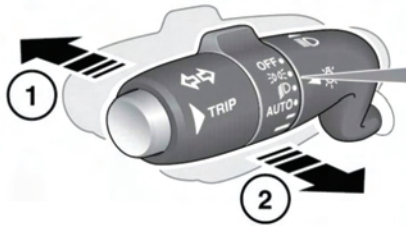
Illuminates when cruise control or Adaptive cruise control is active.

## AUDIBLE WARNINGS AND INDICATORS

Hazard or Condition	Chime or tone/remedy
External lamps remain on when the driver's door is opened.	A chime will sound until the lamps are switched off or the driver's door is closed (unless the lighting control is in the <b>AUTO</b> position).
Hazard warning indicators on.	A ticking will sound until the hazard indicators are switched off.
Direction indicators on.	A ticking will sound until the indicators are switched off.
Memory 1 (2 or 3) settings saved.	A short tone as the memory selection is saved.
Seat belt reminder.	A chime will sound if a seat belt is unbuckled while the vehicle is moving. The warning will cease if the occupied seat's belt is re-buckled, the ignition is turned off or more than 3 minutes has elapsed.
Electric Parking Brake (EPB).	If the EPB is applied while the vehicle is moving, a continuous chime will sound; release the EPB. If there is a fault with the system which would prevent the application of the EPB, a brief sequence of chimes is initiated.
Adaptive Cruise Control (ACC) driver intervene.	Multiple chime. Apply the brakes.
ACC low speed automatic switch off.	A chime will sound to indicate that the ACC system is no longer operating.
Speed is over 9 mph (15 km/h) above the ASL set limit speed.	A short warning chime. Reduce speed.
Entry delay warning (European markets only).	Intermittent slow, low pitched chime. Disarm the vehicle.
The Smart key cannot be detected.	A chime will sound. Hold the Smart key close to the auxiliary switch pack. See <b>7, UNLOCKING THE VEHICLE.</b>
DSC OFF	A chime will sound.

# Exterior lights

## LIGHTING CONTROL



1. With the headlamps on, push the switch away from the steering wheel to switch to high beam. The blue warning lamp on the instrument panel will illuminate.  
**Note:** Do not use high beam where it may distract other road users.
2. Pull the switch towards the steering wheel and release to flash the high beam on and off. The high beam will remain on for as long as the switch is held.
3. Side lamps.
4. Low beam.
5. **AUTO:** When ambient light fades the side lamps and headlamps will switch on automatically.
6. Exit delay of 30 seconds.
7. Exit delay of 60 seconds.
8. Exit delay of 120 seconds.

**Note:** If the rotary control is in the **AUTO** position there will be no exit delay and the headlamps will extinguish when the ignition system is turned off.

Press the headlamp button on the Smart key to switch off the headlamps during an exit delay period.

If the rotary control is moved to the **OFF** position, with high beam still activated, both low and high beam will be extinguished. Both low and high beam will illuminate when the headlamps are turned on again.



E148867

The rear fog lamp switch is located on the driver's side lower facia. See **204, DRIVER CONTROLS**.

Press to switch the rear fog lamps on/off. They will only operate while side lamps, headlamps or Auto lamps are selected. The warning lamp will illuminate. See **38, REAR FOG LAMP (AMBER)**.



## DAYTIME RUNNING LAMPS

In some countries, with the rotary control in the OFF or AUTO position, low beam headlamps, side lamps, tail, license plate lamps and, where fitted, side marker lamps will switch on automatically with the following conditions:

- The ignition is on.
- The parking brake is not applied (is released) - market dependent.

## APPROACH LAMPS

The headlamps can be illuminated remotely for a programmed length of time, by pressing the headlamp button on the Smart key. See **7, UNLOCKING THE VEHICLE**. Press the button again to switch off.

**Note:** *In some markets, a second press will illuminate the reverse lamps and a third press is required to turn the lamps off.*

## ADAPTIVE FRONT LIGHTING SYSTEM (AFS)

Adaptive front lighting is designed to give the driver improved visibility, using a swivelling headlamp unit and a cornering lamp. These lamps broaden the beam of the headlamps when cornering in different circumstances.

The headlamp unit swivels accordingly when cornering, to improve light spread on bends in the road.

**Cornering lamps:** At speeds up to 25 mph (40 km/h), to provide improved visibility at junctions, the system switches on the lamp if it has received an input from the vehicle's direction indicator. Only the lamp on the same side as the operating indicator illuminates. The lamp will self-cancel after 3 minutes of continuous operation.

## WINDSHIELD WIPER DETECTION

This function only operates when **AUTO** is selected. The side lamps, tail lamps and headlamps will switch on automatically if the windshield wipers are operated for more than 20 wipes. Once the windshield wipers are switched off, the side lamps and headlamps will automatically switch off 2 minutes later.

## HIGH BEAM ASSIST

This feature automatically selects and deselects high beam, under specific conditions of road lighting and in the absence of other vehicle's lights. The system is only active when the ambient light drops below a predetermined level.

This function is only active if the lighting switch is in the **AUTO** position and the stalk is in the central position.

The system will only activate when the vehicle speed exceeds 25 mph (40 km/h). The system will deactivate when the vehicle speed drops below 15 mph (24 km/h).

**Note:** *High beam assist does not operate when reverse gear is selected.*

To manually select high beam, move the stalk to the high beam position as normal. To return to High beam assist, move the stalk back to the central position.

To manually override to low beam from High beam assist, pull the stalk to the flash position and High beam assist will be canceled. To return to High beam assist, push the stalk to the high beam position, and then return it to the central position.



When High beam assist is enabled, the system indicator will illuminate.

# Exterior lights

**Note:** Make sure the sensor in the rear view mirror is not blocked or obstructed. The following may also affect the operation of High beam assist:

- Highly reflective road signs.
- Vehicles with dim headlamps.
- Adverse weather conditions.
- Dirty sensor.
- Dirty, damaged, or misted windshield.

To turn off High beam assist, turn the rotary control from **AUTO** to headlamps on.

The High beam assist feature can be disabled/enabled via the Vehicle setup area of the Instrument panel menu.

**Instructional video** - Auto lamps and High beam assist.

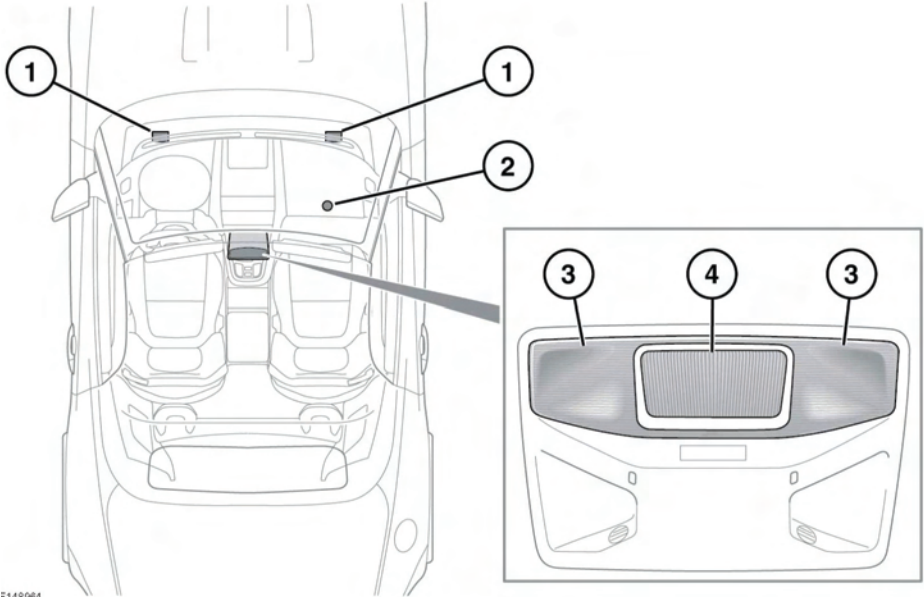


## HEADLAMPS - CONDENSATION

In certain circumstances, misting may occur on the inside of a lamp lens. This is caused by natural changes in environmental conditions.

This misting is not detrimental to lamp performance and will clear during normal usage.

## INTERIOR LIGHTS



E148964

1. Foot-well illumination.
2. Glove box lamp.
3. Reading lamps: Touch the lens briefly to switch on/off.
4. Interior courtesy lamp: Illuminates when the doors are unlocked and extinguishes 60 seconds after both the doors are closed or when the vehicle is locked.

Touch the lens briefly to switch on/off. To switch automatic illumination on/off, continue to touch the lens until the lamp flashes. **INTERIOR LIGHTS OFF** or **INTERIOR LIGHTS AUTO** will be displayed in the Message center accordingly.

### INTERIOR LIGHTS INTENSITY

Instrument illumination intensity can be adjusted, while the exterior lamps are turned on. See **204, DRIVER CONTROLS**, Instrument illumination control.

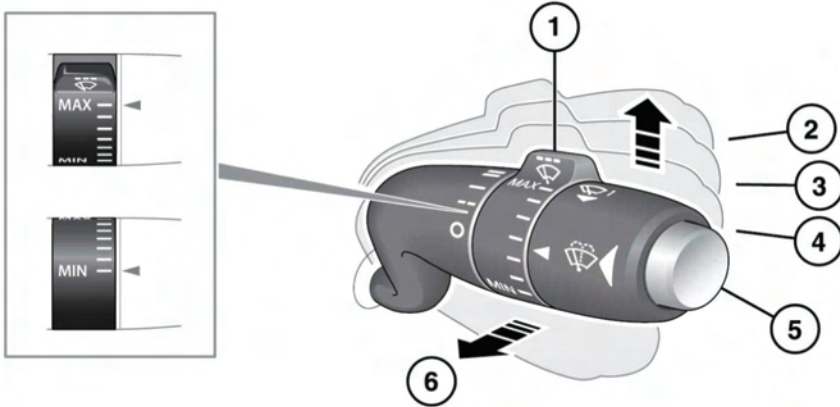
### AMBIENT LIGHTING

For vehicles with configurable LED ambient lighting, adjustment for color and intensity can be made via the touch screen. The exterior lamps must be turned on while changes are being made via the touch screen. See **58, EXTRA FEATURES**.

**Note:** Activating Dynamic mode automatically switches the LED ambient lighting to red.

# Wipers and washers

## WIPER OPERATION



E132404

1. Rotate the control to adjust sensitivity.  
**MAX:** Maximum sensitivity.  
**MIN:** Minimum sensitivity.
2. Fast speed wipe.
3. Normal speed wipe.
4. Rain sensor activated wipe.
5. Windshield washer button.
6. Single wipe.

### **NOTICE**

*Do not operate the wipers on a dry windshield.*

### **NOTICE**

*In freezing or very hot conditions, ensure that the wipers have not stuck to the windshield before operating.*

### **NOTICE**

*Remove any snow, ice or frost from the windshield, around the wiper arms and blades, and the screen scuttle, before operating the wipers.*

**Note:** *If the wiper blades become stuck or jammed, an electronic cut-out may temporarily halt wiper operation. If this happens, switch off the wipers and the ignition. Clear any obstructions and free the wiper blades, before attempting to switch on the ignition.*

## SPEED-DEPENDENT MODE

If the vehicle speed drops below 1.2 mph (2 km/h) with the wipers operating, the wiper frequency automatically reduces. The wipers will switch to the next lowest speed. When the vehicle speed increases to over 5 mph (8 km/h), the original wiper speed settings are restored.

## RAIN SENSOR

### **NOTICE**

*Ensure that the wipers are switched off before entering a car wash. If the rain sensitive wipers operate during the car washing process damage may occur to the wiper mechanism.*

The rain sensor is able to detect the presence and amount of rain, dirt or snow on the windshield and automatically activates the windshield wipers accordingly. Static droplets may not be detected on initial start-up, use a single wipe to clear the screen.

To activate the rain sensitive wipers, move the wiper stalk to the rain sensor position and adjust the rain sensor sensitivity control as required. When rain sensitive wipers are activated and when sensitivity is increased, a single wipe will operate.

**Instructional video** - Wiper operation and rain sensor.



## WINDSHIELD WASHERS

### **⚠ WARNING**

**Some windshield wash products are flammable; do not allow windshield wash to come into contact with sources of ignition.**

### **NOTICE**

*Only windshield wash products which are approved for automotive use should be used, and then only in accordance with the manufacturer's instructions.*

To operate the wash/wipe press and release the button on the end of the wiper stalk. The wipers will perform 5 normal speed wipes, followed by a drip wipe (if configured). The washers will operate during the first 2 wipes.

If the washers are operated with the wipers operating at normal or fast speed, the washer jets will operate for 2 wipes and operation of the wipers will not be affected.

**Note:** *If the button is pressed and held, the wipers and washers will operate at normal speed until the button is released (or for a maximum of 10 seconds).*

*After the button is released, the wipers will operate for a further 3 wipes, followed by a drip wipe (if configured).*

## TIMED JET FUNCTION

If the timed jet function is configured, the washer jets will only operate on the up stroke of the wipers.



This function can be enabled/disabled by your Dealer/Authorized Repairer.

## DRIP WIPE

If the drip wipe function is configured, the wipers will operate 4 seconds after a wash/wipe cycle has finished, to clear any remaining drips from the windshield.



This function can be enabled/disabled by your Dealer/Authorized Repairer.

## HEADLAMP WASHERS

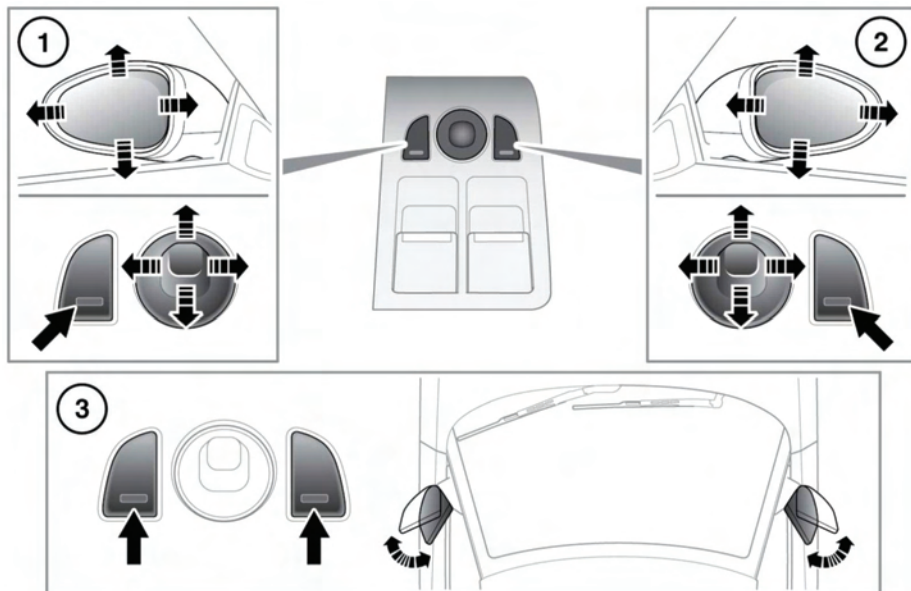
Headlamp power wash operates automatically with the windshield wash, and will only operate if the headlamps are switched on and there is sufficient washer fluid in the reservoir.

Headlamp wash operates with every fourth operation of the windshield washers, provided that 10 minutes have elapsed since the last operation of the headlamp washers.

**Note:** *The power wash sequence is reset when the headlamps or the ignition are turned off.*

**Note:** *Headlamp power wash is inhibited when the low washer fluid warning is on.*

## EXTERIOR MIRRORS



E149540

1. Left mirror adjustment.
2. Right mirror adjustment.
3. Powerfold/unfold: Press both buttons simultaneously. This feature is inhibited at speeds over 70 mph (110 km/h).

The mirrors can be adjusted and folded when the ignition is on and for up to 5 minutes after the ignition is switched off, provided the driver's door is not opened.

Press the appropriate button to select the mirror to be adjusted (button indicator illuminates) and then use the joystick control to adjust the mirror glass.

**Note:** Depending on the type of lens used, distances may be difficult to judge accurately when only using the mirrors.

If the mirrors are accidentally knocked out of position (i.e. so only one is folded), press both buttons simultaneously to resynchronize.

**Note:** If the mirrors were folded using the switches, they will not unfold when the vehicle is unlocked.

**Note:** Up to 3 different exterior mirror positions can be stored and recalled using the driving position memory feature. See 17, **DRIVING POSITION MEMORY**.

### MIRROR DIP WHEN REVERSING

The mirrors can be configured so that when Reverse (R) is selected, the passenger door mirror is automatically adjusted to provide an improved viewing angle for reversing.

The exact dipped position can be adjusted using the joystick control, when the mirror is

dipped. The next time Reverse (**R**) is selected, the newly adjusted position will be selected.

When the gear selector is moved out of Reverse (**R**), or if vehicle speed exceeds 7.5 mph (12 km/h) while reversing, the mirror will return to its previous position.

Mirror dip can be selected or deselected from the instrument panel menu. Select Features from the Vehicle Settings menu, then select the desired option from the list, see **33**,

**INSTRUMENT PANEL MENU.**

# Blind spot monitoring

## BLIND SPOT MONITOR

### **⚠️ WARNING**

The Blind Spot Monitor (BSM) system is a supplement to, not a replacement for, a safe driving style and use of the exterior and rear-view mirrors. The system may not function under all speeds, weather and road conditions.

Please note that the BSM may not be able to give adequate warning of vehicles approaching very quickly from behind or vehicles that are being overtaken rapidly.

**BSM may not be able to detect all vehicles and may also detect objects, such as roadside barriers, etc. Drive safely at all times and use the exterior and rear view mirrors to avoid accidents.**

### **⚠️ WARNING**

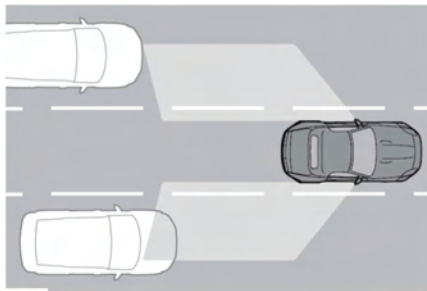
The radar sensors may be impaired by rain, snow or road spray. This may affect the system's ability to reliably detect a vehicle/object within the blind spot.

The driver should not assume that the BSM will correct errors of judgement in driving.

### **NOTICE**

Do not attach stickers or objects to the rear bumpers, that may interfere with the radar sensors.

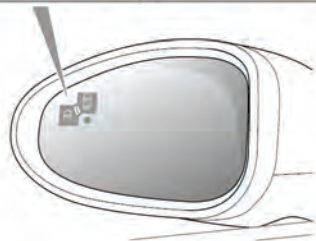
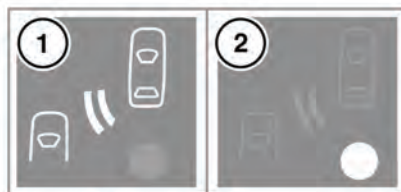
**Note:** Ensure that the warning indicators in the exterior mirrors are not obscured by stickers or other objects.



E149545

The Blind Spot Monitor (BSM) system monitors a zone that covers the area adjacent to the vehicle, that is not easily visible by the driver and is designed to help identify any object overtaking the vehicle.

The system uses a radar on each side of the vehicle to help identify any overtaking vehicle/object within the blind spot area of the vehicle, while disregarding other objects which may be stationary or traveling in the opposite direction, etc.



E149576

If an object is identified by the system as being an overtaking vehicle/object, an **amber** warning icon (1) illuminates in the relevant exterior mirror, to alert the driver that there is a



potential hazard in the vehicle's blind spot and therefore, that a lane change might be dangerous.

The radar monitors the area extending from the exterior mirror rearwards, to approximately 20 feet (6 meters) behind the rear wheels, and up to 8.2 feet (2.5 meters) from the side of the vehicle (the width of a typical highway lane).

**Note:** *The system covers an area of a fixed lane width. If the lanes are narrower than a typical highway lane, objects traveling in non-adjacent lanes may be detected.*

BSM automatically switches on and becomes active when the vehicle is traveling at more than 6 mph (10 km/h) in a forward gear. When the system initiates, it performs a self-check, during which the warning icons in the mirrors illuminate alternately for a short period of time.

The indicator dot (2) remains illuminated until forward vehicle speed exceeds 6 mph (10 km/h).

**Note:** *BSM is automatically turned off when Reverse (R) gear is selected, when the vehicle is in Park (P), the vehicle is traveling below 10 mph (16 km/h). Under these conditions, an amber warning indicator within the exterior mirror is displayed.*

BSM is designed to work most effectively when driving on multi-lane highways.

**Note:** *If an overtaking vehicle is detected on both sides of the vehicle simultaneously, the warning icons in both mirrors will illuminate.*

**Instructional video** - Blind spot monitoring.



## BSM SENSORS

The BSM system will automatically disable if either of the sensors become completely obscured, an amber warning indicator dot is displayed in the exterior mirror and the message BLIND SPOT MONITOR SENSOR BLOCKED appears in the Message center.

**Note:** *Blockage testing is only initiated when the vehicle speed is above 6 mph (10 km/h) and will take at least 2 minutes of accumulated time traveling above this speed, to determine that the sensor is blocked.*

If the sensors become blocked, check that there is nothing obscuring the rear bumper and that it is clear from ice, frost and dirt.

If a fault with one of the radar sensors is detected, an amber warning indicator dot is displayed in the exterior mirror and the message **BLIND SPOT MONITOR NOT AVAILABLE** is displayed in the Message center.

**Note:** *Even if the detected fault only affects the radar sensor on one side of the vehicle, the whole system is disabled. If the fault is temporary, the system will operate correctly once the engine has been switched off and then on again.*

If a fault in the system occurs, consult your Dealer/Authorized Repairer.

# Blind spot monitoring

## CLOSING VEHICLE SENSING

### **⚠ WARNING**

Closing vehicle sensing is a supplement to, not a replacement for, a safe driving style and use of the exterior and rear-view mirrors.

### **⚠ WARNING**

Closing vehicle sensing may not be able to give adequate warning of vehicles approaching very quickly from directly behind the vehicle. Always use the exterior and rear-view mirrors.

### **⚠ WARNING**

The radar sensors may be impaired by mud, rain, frost, ice, snow or road spray. This may affect the system's ability to reliably detect an approaching vehicle.

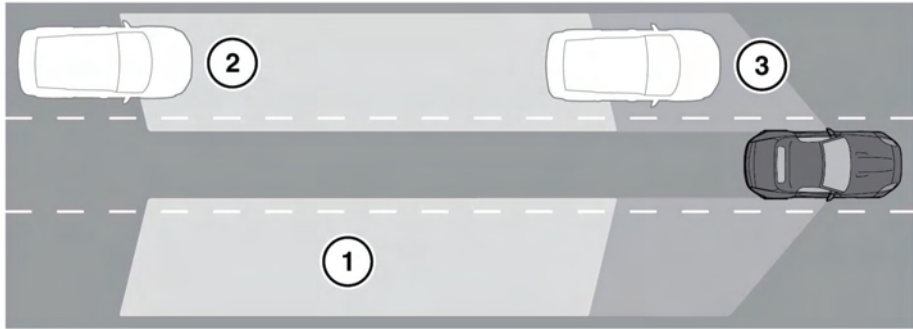
### **NOTICE**

Make sure that the warning indicators in the exterior mirrors are not obscured by stickers or other objects.

### **NOTICE**

Do not attach stickers or objects to the rear bumpers, that may interfere with the radar sensors.

Closing vehicle sensing is designed to perform best on multi-lane highways with free-flowing traffic and is operational above 8 mph (13 km/h) in a forward gear.



E149644

1. Closing vehicle sensing monitors an area behind the vehicle up to a distance of 197 ft (60 m) and approximately 8 ft (2.5 m) from each side of the vehicle (the width of a typical highway lane).
2. If a vehicle is detected approaching rapidly, an amber warning icon will flash in the relevant exterior mirror to indicate that there is a potential danger.

3. When the detected vehicle reaches the area monitored by the BSM, the amber warning icon will illuminate continuously.

**Note:** If a rapidly overtaking vehicles are detected on both sides simultaneously, the warning icons in both mirrors will flash.

**Note:** The system covers an area of a fixed lane width. If the lanes are narrower than a typical highway lane, objects travelling in non-adjacent lanes may be detected.

**Note:** Closing vehicle sensing is disabled when the vehicle is negotiating a tight radius curve.

**Note:** When BSM is disabled, Closing vehicle sensing is also disabled. See **48, BLIND SPOT MONITOR**.

## RADIO FREQUENCY SPECTRUM REGULATION STATEMENTS

### United States of America

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

**Note:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

### Canada

This device complies with Industry Canada Standard IC - RSS-210. Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Frequency of operation: 24.05GHz - 24.25GHz.

Field strength: Not greater than 2.5V/m peak (0.25V/m average) at a distance of 3 metres.

# Garage door opener

## GARAGE DOOR TRANSCEIVER

### **CAUTION**

Do not use the transceiver with any garage door opener that lacks the safety stop and reverse feature as required by safety standards.

### **CAUTION**

When programming the transceiver to a garage door opener or entry gate, ensure the area is clear. This will prevent potential personal injury or vehicle damage as the gate or garage door will activate during the programming.

### **NOTICE**

This device may suffer from interference if operated in the vicinity of a cell phone or fixed station transmitter. This interference is likely to affect the hand-held transmitter as well as the in-car transceiver.

The door transceiver is located in the rear-view mirror. It can be programmed to transmit the radio frequencies of up to 3 different transmitters, which can be used to activate garage doors, entry gates, home lighting, security systems or other radio frequency operated devices.

Although this section mainly describes the procedures for a garage door opener, it also equally applies to the previously mentioned applications.

In some countries, this feature is also known as the HomeLink® Universal Transceiver. The transceiver radio frequency approval numbers for the USA and Canada are shown below:

USA and Puerto Rico - FCC: K8597R315.

Canada - CAN: 2145 101 790A.

For further information, see **54**, **INFORMATION AND ASSISTANCE**.

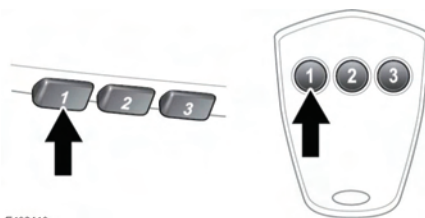
## BEFORE PROGRAMING

### **NOTICE**

When programming a device that may require you to press and re-press the hand-held transmitter (cycle), unplug the device during the cycling process to prevent possible motor failure.

For best results, fit a new battery to the hand-held transmitter of the garage door opener (or other device) before programming. If your garage door opener receiver (located in the garage) is equipped with an antenna, ensure that the antenna is hanging straight down.

## PROGRAMING



Ensuring that the engine is switched off:

1. Ensure that the ignition system is on.
2. Hold the end of the original garage door opener hand-held transmitter 2 to 6 inches (50 to 150 mm) away from the transceiver in the rear-view mirror, keeping the indicator lamp in view.
3. Using both hands, simultaneously press and hold both the chosen transceiver button on the rear-view mirror, as shown above, and the hand-held transmitter button. Keep both buttons pressed. The indicator lamp will flash slowly at first and then change to a fast flash. When the indicator lamp flashes rapidly, release both

buttons. The rapid flashing lamp indicates successful programing.

4. If, after 60 seconds, the indicator lamp does not flash rapidly, release both the transceiver and the hand-held transmitter buttons and repeat the procedure starting with Step 2. Position the hand-held transmitter at a different angle and/or distance.
5. Press and hold the programed garage door opener button and observe the indicator lamp.
  - If the indicator is continuous, programing is complete and your device should activate when the garage door opener button is pressed and held for approximately 1 to 2 seconds and then released.
  - If the indicator lamp blinks rapidly for 2 seconds and then turns to a continuous light, proceed with the following programing instructions for **rolling code** device equipment.

**Instructional video** - Garage door opener.



## TO ERASE ALL PROGRAMING

For first time programing, make sure that the engine is switched off:

1. Make sure the ignition system is switched on.
2. Press and hold the two outer buttons on the transceiver in the rear-view mirror. Keep the buttons pressed until the indicator lamp begins to flash (this will take

approximately 20 seconds), then release the buttons.

All memories in the garage door opener have now been cleared.

**Note:** Do not perform this procedure when programing the additional garage door opener buttons.

## ROLLING CODE DEVICE EQUIPMENT PROGRAMING

**Note:** The assistance of a second person may make the following steps quicker and easier. Once the button has been pressed there are only 30 seconds in which to complete Step 3.

1. At the garage door opener receiver (motor head unit) in the garage, locate the learn or smart button/switch.
  - The name of the button or switch may vary between manufacturers.
2. Press and release the learn or smart button.
3. Return to the vehicle and firmly press and hold the programed garage door opener button for 2 seconds and release.
4. Repeat the press, hold, release sequence 3 times to complete the programing process.

The garage door opener in the rear-view mirror should now activate the **rolling code** device.

## REPROGRAMING A SINGLE GARAGE DOOR OPENER BUTTON

To program a device to a previously trained button:

1. Press and hold the desired pre-programed garage door opener button for at least 20 seconds, but no longer than 30 seconds, until the indicator lamp begins to flash.
2. Without releasing the rear-view mirror button, position the hand-held transmitter approximately 2 to 6 ins (50 to 150 mm)

# Garage door opener

away from the transceiver in the rear-view mirror, keeping the indicator lamp in view.

## 3. Carry out Step 3 of **Programing**.

### **ENTRY GATE/CANADIAN PROGRAMING**

The technology of some entry gates requires you to press and re-press (cycle) the hand-held transmitter button every 2 seconds during programming.

Continue to press and hold the desired rear-view mirror button while you cycle your hand-held transmitter until the indicator lamp flashes rapidly.

### **INFORMATION AND ASSISTANCE**

#### **NOTICE**

*For security purposes, it is recommended that all programmed transceiver buttons are erased before the vehicle is sold or disposed of.*

For information on the range of available compatible products or accessories, or for assistance, you should contact your Dealer/Authorized Repairer.

If you would like additional information on the Homelink Universal Transceiver, compatible products or to purchase other accessories, contact your Dealer/Authorized Repairer or you can also contact the Homelink helpline on:

**1-800-355-3515** or on the internet at:

**[www.homelink.com](http://www.homelink.com)**

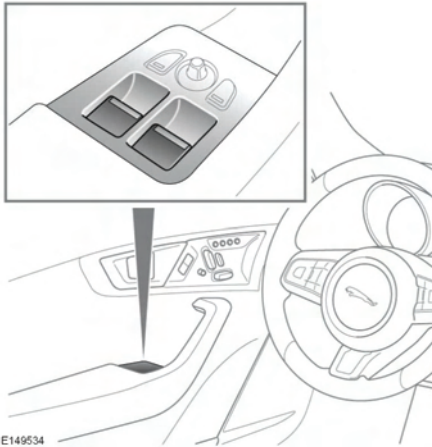
**Note:** *Keep the original transmitter for future use or programing procedures if, for example, you purchase a new vehicle.*

**Note:** *The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.*

## ELECTRIC WINDOWS

### **⚠ WARNING**

To prevent accidental operation, never leave the Smart key in the vehicle if children or animals are also left in the vehicle.



#### Window switches:

The windows will operate for 5 minutes after the engine is switched off, as long as none of the doors are opened.

When the door is closed: press (or pull) the switch briefly to open (or close) a window.

Window travel can be stopped at any time by operating the switch again.

Both windows have a one-touch facility.

### **NOTICE**

*Any ice should be removed from the windows prior to operation.*

## WINDOW ANTI-TRAP PROTECTION

### **⚠ WARNING**

Before closing a window, ensure that no occupants have any part of their body in a position where it could be trapped. Even with an anti-trap system, death or serious injury could occur.

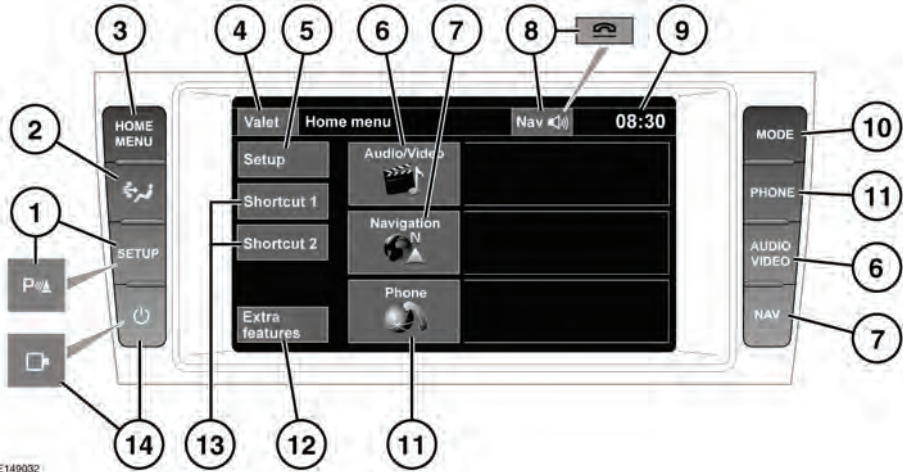
Anti-trap protection is designed to stop window movement if an obstruction or resistance is detected. Check the window and its aperture and remove any obstructions. The override procedure is as follows:

1. Attempt to close the window. Anti-trap will prevent closure and lower the window.
2. Within 10 seconds, attempt to raise the window again. Anti-trap will prevent closure and lower the window.
3. Attempt to close the window for a third time, this time holding the switch in the close position. The window will raise while the switch is held. Hold until closed.

**Note:** *If this procedure fails to remove the blockage, or if the windows do not operate correctly, the window operation may need to be reset. See 139, WINDOW RESET.*

# Touch screen

## TOUCH SCREEN HOME MENU



E149032

### **WARNING**

**Do not adjust the touch screen controls, or allow the system to distract the driver, while the vehicle is moving. Driver distraction can lead to accidents, causing serious injury or death.**

### **NOTICE**

*Always run the engine during prolonged use of the touch screen. Prolonged use will cause the battery to discharge.*

### **NOTICE**

*Do not use excessive pressure when selecting items on the touch screen.*

### **NOTICE**

*Avoid spilling or splashing liquids onto the touch screen.*

1. Press to select the touch screen **Setup** menu. When Parking aids are fitted, press the button to switch the system on/off.
2. Press to select the **Climate** menu.
3. Press to select the **Home menu**.

4. Touch to select **Valet** mode. During menu mode, the icon is changed to the back soft key, touch to return to the previous screen displayed.
5. Touch to select the touch screen **Setup** menu.
6. Touch or press to select the **Audio/Video** menu. See **92, AUDIO/VIDEO CONTROLS**.
7. Touch or press to select the **Navigation** menu. Current set destination is displayed. See **120, MAIN MENU**.
8. While navigation is operating, touch to repeat the last given navigation instruction. During a phone call, the icon is changed. Touch to end the call.
9. Touch to adjust the time/date.
10. **Mode**: Press repeatedly to scroll through all audio/video sources.
11. Touch or press to select the **Phone** menu.
12. Touch to select the **Extra features** menu.
13. Press to select Home menu shortcuts. See **57, TOUCH SCREEN SETUP**.



14. Press to turn the touch screen on/off.  
When a rear camera is fitted, press the button to turn the camera on/off.

**Instructional video** - Operating the Touch screen.



## TOUCH SCREEN USE

### **⚠ WARNING**

**Do not adjust the touch screen controls, or allow the system to distract the driver, while the vehicle is moving. Driver distraction can lead to accidents, causing injury or death.**

### **NOTICE**

*Always run the engine during prolonged use of the touch screen. Prolonged use will cause the battery to discharge.*

### **NOTICE**

*Avoid spilling or splashing liquids onto the touch screen.*

## TOUCH SCREEN CARE

### **NOTICE**

*Do not use abrasive cleaners to clean the touch screen. For approved screen cleaners, contact your Dealer/Authorized Repairer.*

## TOUCH SCREEN SETUP

- Select **Setup** from the **Home menu**.

The setup screen is divided into categories:

- **Screen.**
- **System.**
- **Audio.**

## SCREEN SETTINGS

- **Volume pop-up:** Display Volume pop-up on/off.
- **Screensaver:** Change screensaver.
- **Time out home:** Sub menu selection screens can be set to revert to the **Home menu** after a predetermined length of time.
- **Theme:** Changes appearance of the touch screen soft keys.

## SYSTEM SETTINGS

- **Button feedback:** Select to turn the soft key confirmation tone on/off.
- **Clock adjust:** Select the **12** or **24** hour clock. Set the current time. Select **Date** to change the date, or to alter the date format. Select **Set**, to store new settings.

***Note:** The clock can also be adjusted from the touch screen time display.*

- **Home menu shortcuts:** Select up to 2 items from the displayed list to appear as shortcuts on the **Home menu**. Select **Clear** to deselect highlighted items.
- **Language:** Select the required language. Touch **Change** to select alternative text displays. Follow the on-screen instructions to confirm.

***Note:** Some languages are not yet available for System display text.*

- **Volume presets:** Adjust volume for the available systems (announcements, parking aid, phone, navigation etc.).

# Touch screen

## SELECTING VALET MODE

Valet mode allows the vehicle to be locked by a parking attendant, without giving access to the luggage compartment and glove box. Valet mode also prevents operation of the touch screen, to prevent access to telephone numbers or navigation addresses.

1. From the **Home menu**, select **Valet**.
2. Enter a 4 digit Personal Identification Number (PIN) (personally chosen). On completion, touch the **Ok** soft key. Enter PIN again to confirm.
3. If you wish to cancel the PIN, select **Delete**. If the PIN is canceled, or incorrectly entered, you will be prompted to enter the PIN again.
4. **Valet mode activated** is displayed to indicate that the PIN has been accepted.

The luggage compartment and glove box are now securely locked in Valet mode and the Valet mode On screen is displayed.

Remove and retain the emergency key before giving the Smart key to an attendant.

**Note:** *The emergency key can be used to open the luggage compartment, which may deactivate Valet mode.*

## DESELECTING VALET MODE

1. When you re-enter the vehicle, select **Valet**.
2. Enter your 4 digit PIN and touch the **Ok** button.

**Valet mode deactivated** is displayed to indicate that your PIN has been accepted.

- The luggage compartment will return to the previously set security requirement.
- The touch screen will be enabled.

**Note:** *If the PIN is forgotten, Valet mode can only be deactivated by your Retailer/Authorized Repairer.*

## EXTRA FEATURES

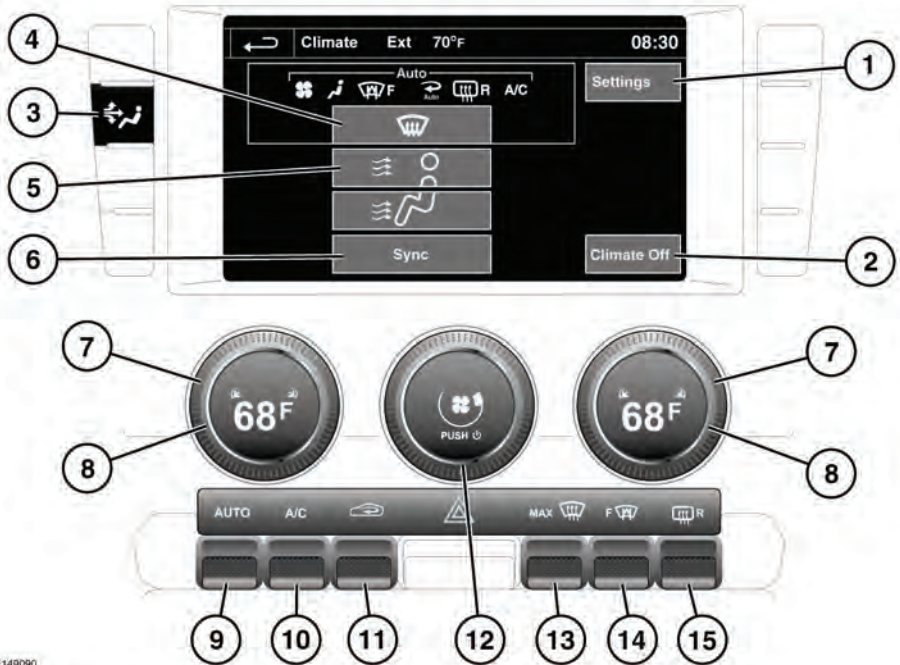
This menu allows selected extra features to be displayed for adjustment or switched on/off.

For example:

- Ambient LED lighting.
- Configurable dynamic mode.

There are more extra features available than can be displayed at any one time, hence they are displayed in alphabetical order. Use the forward or back soft keys to move to the next screen.

## CLIMATE CONTROL



E149090

1. Climate control Settings menu.
2. Climate control system on/off.
3. Shortcut to climate menu.

To access the climate menu from the touch screen Home menu, setup **Climate** as a short-cut. See **56, TOUCH SCREEN HOME MENU**.

4. Distribute air to windshield.
5. Air distribution.

**Note:** More than one setting may be selected at a time to achieve the desired distribution.

- Deployable center vents will open automatically when the face or face/foot modes are selected. The vents will close automatically when the

maximum defrost, defrost/foot or foot only modes are selected.

The deployable center vents can be set to always open via the Climate control settings menu.

**Note:** The deployable center vents will always close when the climate control system is switched off or when the ignition is switched off.

6. Synchronize driver and passenger climate zone settings.
7. Temperature controls. For individual driver/passenger settings. Rotate to alter temperature.
8. Press to access the heated seats. See **60, HEATED SEATS**.

# Heating and ventilation

9. AUTO mode. For fully automatic operation. The deployable center vents will open/close automatically.
10. Air conditioning. Press to turn the system on/off.
11. Recirculation. Press for timed recirculation. Press and hold for latched (continuous) recirculation. To cancel recirculation, press the button again.  
**Note:** *Prolonged use at low temperatures may cause the windows to mist.*
12. Blower speed control. In manual mode, rotate to alter speed, the speed selection is indicated in the integrated screen on the blower speed control.  
Press to switch off climate control.
13. Maximum defrost program.
14. Heated windshield. The heated windshield will deactivate after a predetermined length of time.
15. Heated rear screen. The heated rear screen will deactivate after a predetermined length of time.

## NOTICE

Do not attach labels to the rear screen. Do not scrape or use abrasive materials to clean the inside of the screen.

**Note:** The indicator lamps will illuminate when a function is selected.

**Note:** In low temperatures it is advisable to close the center face level vent and direct air flow from the outer face level vents towards the side windows. This will help to keep the windows clear of ice.

**Note:** The climate control system removes moisture from the air and deposits the excess water beneath the vehicle. Puddles may form but this is normal and no cause for concern.

## AUTOMATIC RECIRCULATION

If an air quality sensor is fitted, the climate control system will monitor exterior air pollution and humidity and select recirculation if either reaches a predetermined level. This feature only operates when the climate control system is in AUTO mode. The sensitivity of the air quality sensor can be set via the touch screen. See **60, AIR QUALITY SENSOR**

Pressing the recirculation button will deactivate automatic recirculation.

## AIR QUALITY SENSOR

The sensitivity of the air quality sensor can be adjusted using the touch screen:

1. Select **Settings** from the **Climate** menu.
2. Touch **Low**, **Medium** or **High** on the screen to increase/decrease sensitivity.

Select to switch off air quality sensing.



The auto recirculation icon appears on the touch screen when the air quality sensor is switched on.

## HEATED SEATS

**Note:** The seat heaters will only operate when the engine is running.

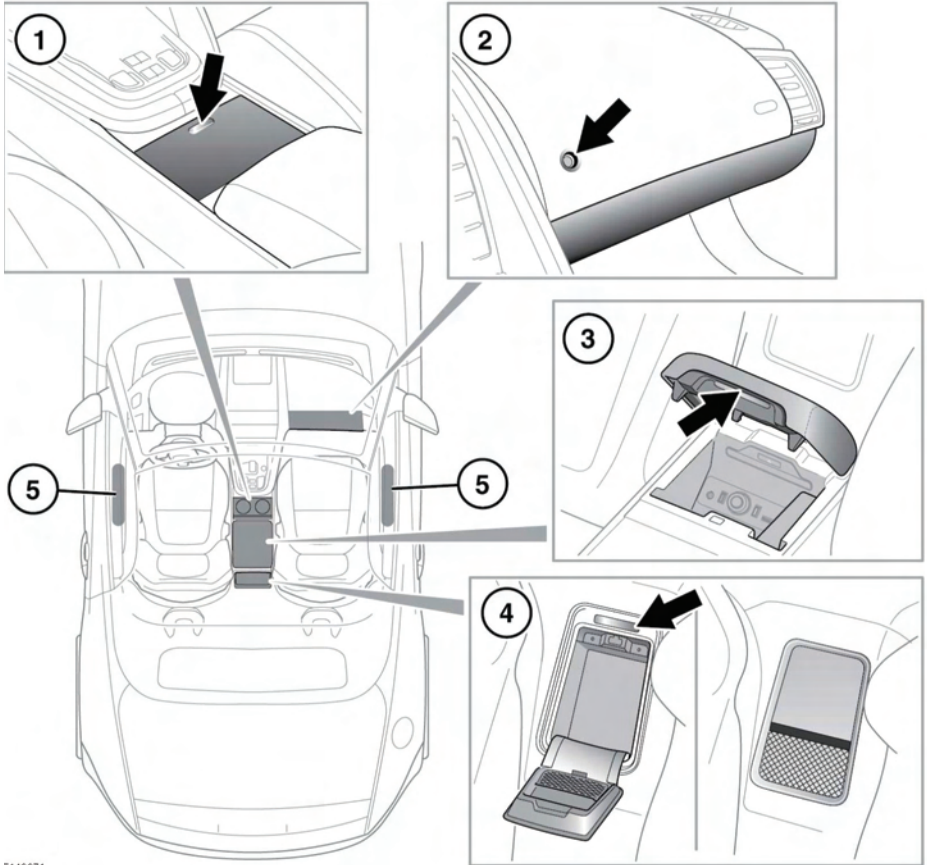
Press the rotary dial to select the heated seat. Rotate clockwise to select a temperature of low, medium or high.

Rotate the rotary dial counter-clockwise to turn the heated seat off.

**Instructional video** - Climate control.



## STORAGE COMPARTMENTS



E149974

1. Cup holders: Press the button on the lid and release to access the cup holders.

### **WARNING**

**Do not drink, or use the cup holders when driving.**

2. Glove box: Open using the glove box release (arrowed).
3. Cubby box: To raise the lid, press the button under the front lip.

4. Rear storage compartment: To open the lid, press the button above the storage compartment or store items behind the storage net.

5. Door storage.

**Note:** The cubby box and rear storage compartment lids may have locks which operate when the vehicle is locked/unlocked.

### **NOTICE**

Only use approved accessories.

# Storage compartments

## Auxiliary power sockets

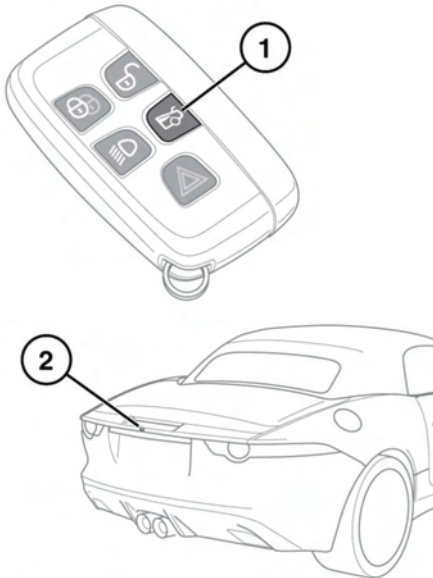
There are 2 auxiliary power sockets, one is located on the center console, (see **204, DRIVER CONTROLS**) and the other is in the cubby box.

## OPENING AND CLOSING THE LUGGAGE COMPARTMENT

### NOTICE

If the Smart key is inadvertently left inside the luggage compartment and the vehicle is locked and the alarm set, an audible warning will sound and the luggage compartment will re-open after 3 seconds.

**Note:** If the Smart key is inside a metal box, it will not be detected by the vehicle security system.



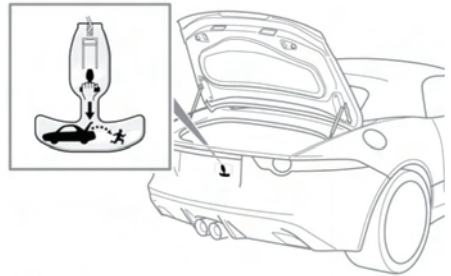
E148781

The luggage compartment can be opened using the appropriate button on the Smart key (1) or via keyless entry, see 9, **KEYLESS ENTRY**. It can also be opened by pressing the exterior release (2), provided the doors are unlocked and Park (P) is engaged.

Provided the vehicle is not locked or alarmed, the luggage compartment can also be opened using the interior release button. See 204, **DRIVER CONTROLS**.

## LUGGAGE COMPARTMENT EMERGENCY RELEASE

The mechanical luggage compartment release provides a means of escape in the event of someone being locked in the luggage compartment. Adults are advised to familiarize themselves with the operation of the release handle.



E148783

The release handle glows in the dark and is located inside the luggage compartment as illustrated. To open the luggage compartment from the inside, pull the handle while pushing the luggage compartment lid upwards.

Return the handle to its stowage position after use.

# Convertible roof

## OPENING THE ROOF

### **⚠ WARNING**

Before opening or closing the convertible roof, make sure that no occupants have any part of their body in a position where it could be trapped.

### **NOTICE**

Do not attempt to operate the convertible roof at temperatures below -4°F (-20°C). This may cause damage to the fabric.

### **NOTICE**

If the convertible roof is operated above 30 mph (50 km/h), there is a risk of damage to the convertible roof.

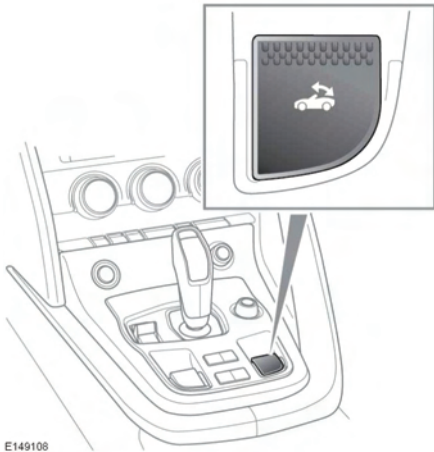
### **NOTICE**

Do not attempt to open the convertible roof manually, as damage to the linkage mechanism may occur.

### **NOTICE**

Do not place items in the roof stowage well.

**Note:** If the roof movement is inhibited then a warning message will be displayed in the Message center.



E149108

The power operated convertible roof is controlled by a switch located on the center console. The ignition system must be on. The roof will latch and unlatch automatically. The roof can be operated at speeds below 30 mph (50 km/h). However, for safety it should not be opened or closed when the vehicle is being driven.

1. Make sure that the ignition is on.
2. Press and hold the front of the switch.
3. The door windows will fully open. The roof will unlatch and start to move.
4. When the roof is fully open, an audible warning sounds and a message will be displayed in the Message center.

**Note:** The roof closing panels will automatically close when the roof is in the fully stowed position.

5. Release the switch.

**Note:** If at any period during the convertible roof opening sequence the switch is released, all movement of the convertible roof will cease.

## CLOSING THE ROOF

With the ignition on, pull and hold the front of the switch. See **64, OPENING THE ROOF**. Do not release the switch until the convertible roof is fully latched closed and a confirmation message appears in the Message center.

**Note:** If at any period during the convertible roof closure sequence, the switch is released, all movement of the convertible roof will cease.



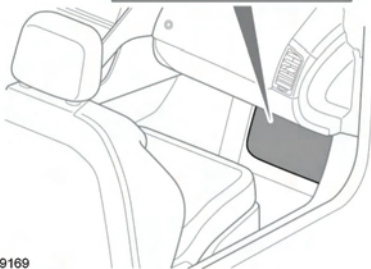
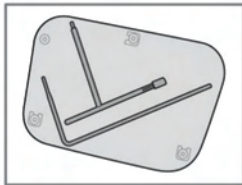
## MANUALLY CLOSING THE ROOF

In the event that the vehicle's systems will not close the convertible roof, from the fully open position, then the manual closing procedure should be carried out.

### **⚠WARNING**

**Make sure that Park (P) is engaged, the parking brake is applied and the ignition is off.**

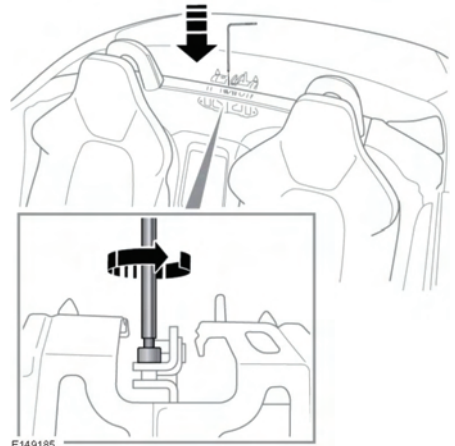
Access the tools:



E149169

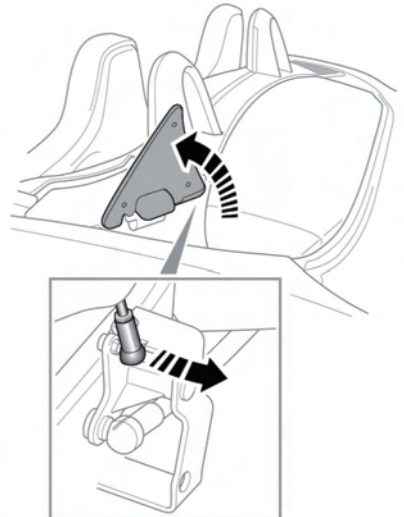
Remove the 2 tools from behind the passenger footwell fuse box cover. See **155, FUSE BOX LOCATIONS**.

## Releasing and Closing the roof:



E149185

Using the allen key tool, rotate the release screw 7 turns counter-clockwise to release the down-lock mechanism.



E151660

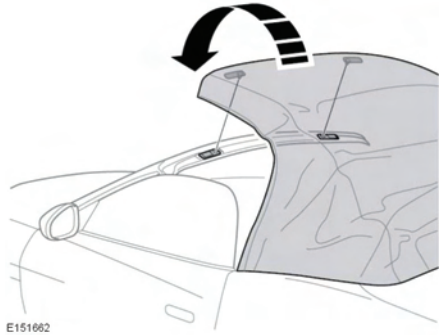
Lift the panel. A gradual increase of effort is required to reach the illustrated vertical

# Convertible roof

position. Using the flat blade of the allen key tool, lightly pry off the control rod ball socket. Repeat this procedure on the other side of the vehicle.



Lift the panel. With the allen key, unscrew and remove the bolt using the attached bracket. Repeat this procedure on the other side of the vehicle.

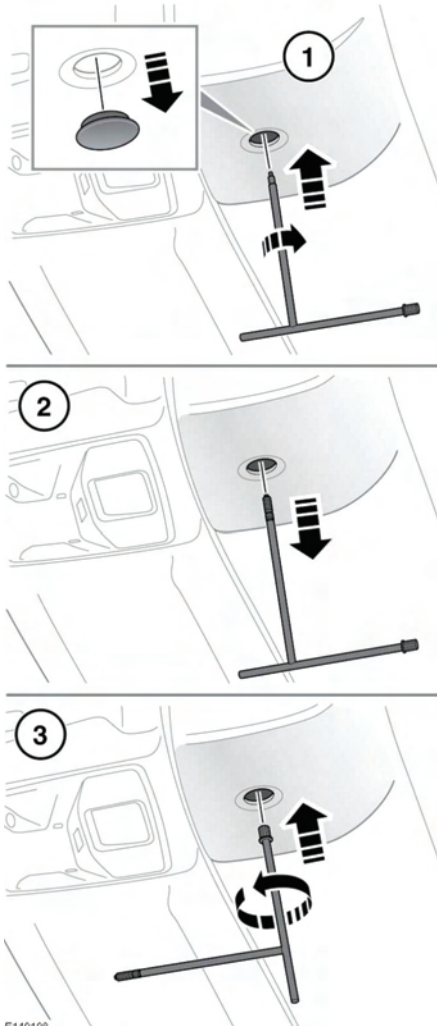


E151062

Carefully raise the roof to the closed position. An increase in effort is required to reach the fully closed position.

**Note:** Make sure the roof, front latch pins, are aligned into the roof header latch locks.

## Locking the roof:



E149198

1. Remove the access plug from the center of the roof header trim. Insert the screw thread end of the tool into the motor shaft. To fully engage, rotate clockwise until resistance is felt. It does not need to be tight.

2. Pull the tool to remove the motor shaft.

**Note:** A strong, positive downward pull is required.

**Note:** Remove the motor shaft from the tool and stow in the vehicle.

3. Push the alternate, large serrated end of the tool into the motor and turn a complete revolution counter-clockwise. Remove the tool and replace the access plug.
4. Replace the tools and the passenger footwell fuse box cover.

**Note:** Do not attempt to operate the convertible roof until a repair has been carried out by a Dealer/Authorized Repairer.

# Starting the engine

## STARTING THE ENGINE

### **⚠ WARNING**

Never start the engine and leave it running when the vehicle is in an enclosed space. Exhaust gasses are poisonous and can cause unconsciousness and death if inhaled.

### **NOTICE**

If the engine fails to start, do not continue cranking as this will discharge the battery. It may also damage the catalytic converter due to unburnt fuel passing through the exhaust.

**Note:** The Smart key may not be detected if it is placed within a metal container or if it is shielded by a device with a back-lit LCD screen, such as a smart phone, laptop (including when inside a laptop bag), games console etc. Keep the Smart key clear of such devices when attempting Keyless entry or Keyless starting.

To start the engine:

1. Ensure that a valid Smart key is inside the vehicle.
2. Ensure that Park (P) or Neutral (N) is selected.
3. Firmly depress the brake pedal.
4. Press and release the engine **START/STOP** button.

Once the engine has started, the brake pedal can be released if safe to do so.

## SWITCHING OFF THE ENGINE

While the vehicle is stationary:

1. Ensure that the vehicle is parked with Park (P) selected and the parking brake applied.
2. Press and release the engine **START/STOP** button.

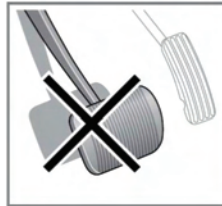
While the vehicle is moving:

### **NOTICE**

It is not advisable to switch off the engine while the vehicle is moving. However, if a situation arises where engine switch off is urgent, the following procedure applies:

1. Press and hold the engine **START/STOP** button for 2 seconds, or
2. Press and release the engine **START/STOP** button twice within 3 seconds.

## SWITCHING ON THE IGNITION



E142753



To switch on the ignition without starting the engine:

1. Ensure the brake pedal is not depressed and that a valid Smart Key is inside the vehicle.
2. Press and hold the engine **START/STOP** button until the warning lamps illuminate.
3. Release the engine **START/STOP** button.

### **NOTICE**

If the brake pedal is applied when the engine **START/STOP** button is pressed, the engine will start.

## ROLLING RE-START

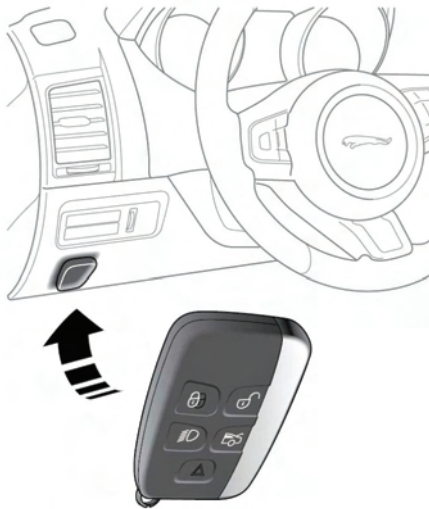
**Note:** The engine **START/STOP** button will be inhibited for 2 seconds after the engine has been switched off.

A rolling restart can be initiated by selecting Neutral (**N**) and pressing the engine **START/STOP** button.

## KEYLESS START BACKUP

If the vehicle has been unlocked using the emergency key blade or the Smart key is not detected by the vehicle, it will be necessary to use the keyless start backup to disarm the alarm and start the engine.

The keyless start backup can only be used when the message **Smart Key Not Found - Refer To Handbook** is displayed in the Message center.



E149503

1. Position the Smart key flat against the fascia in the position shown.
2. Firmly depress the brake pedal.

3. Press and release the engine **START/STOP** button.

Once the engine has started, the brake pedal can be released if it is safe to do so.

If the Smart key is not recognized, or the engine still fails to start, consult a Dealer/Authorized Repairer.

## IF THE ENGINE FAILS TO START

**Note:** If the engine fails to crank when the engine **START/STOP** button is pressed and there has been a recent collision, the fuel system inertia switch may have been tripped. Seek qualified assistance.

Make sure that the brake pedal is not depressed. Switch on the ignition and check the Instrument panel for warning lamps and the Message center for warning messages (see **33, INSTRUMENT PANEL MENU**).

Switch off the ignition.

To reset the immobilizer and alarm system use a valid Smart key to lock and unlock the vehicle (see **7, UNLOCKING THE VEHICLE**).

If the engine persistently fails to start.

1. Ensure that the brake pedal is depressed and that a valid Smart key is inside the vehicle.
2. Ensure that Park (**P**) or Neutral (**N**) is selected.
3. Press and hold the engine **START/STOP** button until the warning lamps illuminate.
4. Slowly depress the accelerator pedal fully and hold it in the fully depressed position.
5. Press and release the engine **START/STOP** button. The engine will begin to crank.
6. Release the accelerator pedal when the engine starts.

If the engine still fails to start, or fails to crank, consult a Dealer/Authorized Repairer.

# Starting the engine

## ACTIVE EXHAUST



E149323

For vehicles with Active exhaust, this system will operate valves in the exhaust to produce a richer and louder noise to enhance the driving experience.

**Note:** Active exhaust is automatically selected when the vehicle is in Dynamic mode.

Press the switch to engage Active exhaust. The switch lamp will illuminate to confirm.

Press the switch again to disengage the Active exhaust. The switch lamp will extinguish to confirm.

**Note:** The Active exhaust will be disengaged at the start of each ignition cycle.

## ENGINE BLOCK HEATERS

### **NOTICE**

The fitting of an engine block heater does not eliminate the need for antifreeze.

Engines are more difficult to start when the ambient temperature is very low. In geographical areas where temperatures below 14°F (-10°C) are experienced frequently, it is advisable to fit an engine block heater. The

block heater will have an insulated connector at the front of the vehicle which is connected to a mains supply using a suitable extension cable. The heater can remain in use overnight, if required. Typically, an engine block heater will use between 0.4 and 1 kWh.

For further information, consult a Dealer/Authorized Repairer.

## INTELLIGENT STOP/START

The Intelligent stop/start system is designed to improve fuel efficiency and is automatically activated every time the ignition is turned on. If the vehicle is stopped (e.g. at traffic lights or in traffic) the engine will turn off (unless it is required to support other vehicle systems). When the brake is released and a drive gear is selected, the engine will restart automatically.

During operation of the Intelligent stop/start system a warning lamp will illuminate, see **38**, **INTELLIGENT STOP/START (GREEN)**.

To activate an automatic engine stop:

- Stop the vehicle from a speed greater than 2.5 mph (4 km/h) and apply sufficient brake pressure to ensure that the vehicle is stationary.
- Alternatively, while stationary, select Neutral (**N**).

To activate an automatic engine restart release the brake pedal with Drive (**D**) or Sport (**S**) selected.

The engine will also restart if one of the following occurs:

- The Intelligent stop/start system is deactivated.
- The accelerator pedal is pressed.
- A shift paddle is used to select a gear.
- Reverse (**R**) is selected.
- Climate control system demand increases.
- The vehicle's speed exceeds approximately 0.5 mph (1 km/h).
- Battery charge becomes low.
- Brake vacuum has been reduced (e.g. using the brake pedal repeatedly with the engine off).

The following conditions will prevent an automatic engine stop:

- A shift paddle has been used to select a gear.

- The external temperature is less than approximately 32 °F (0 °C).
- The external temperature is more than approximately 104 °F (40 °C).
- The external ambient air pressure is too low (720 hPa).
- The engine has not reached operating temperature.
- The engine temperature is too high.
- The engine revolution speed is too high (900 RPM).
- The engine's fuel rail pressure is too low.
- The fuel system carbon canister, purge vapour concentration is too high.
- The driver's seat belt is not fastened.
- The climate control system demand requires the engine to be running (for example, in Defrost mode).
- The battery charge is low.
- The hood is opened.
- The Intelligent stop/start system is activated more than 6 times a minute.
- The Intelligent stop/start system is deactivated.

## DEACTIVATING INTELLIGENT STOP/START

To switch the system off, press the Intelligent stop/start switch, see **204**, **DRIVER CONTROLS**.

*Note: The engine will restart automatically if the switch is pressed while an automatic engine stop is in progress.*



To confirm that the system is off, the Intelligent stop/start system off icon is shown in the Message center and the message **ECO STOP-START OFF** is momentarily displayed.

# Intelligent stop/start

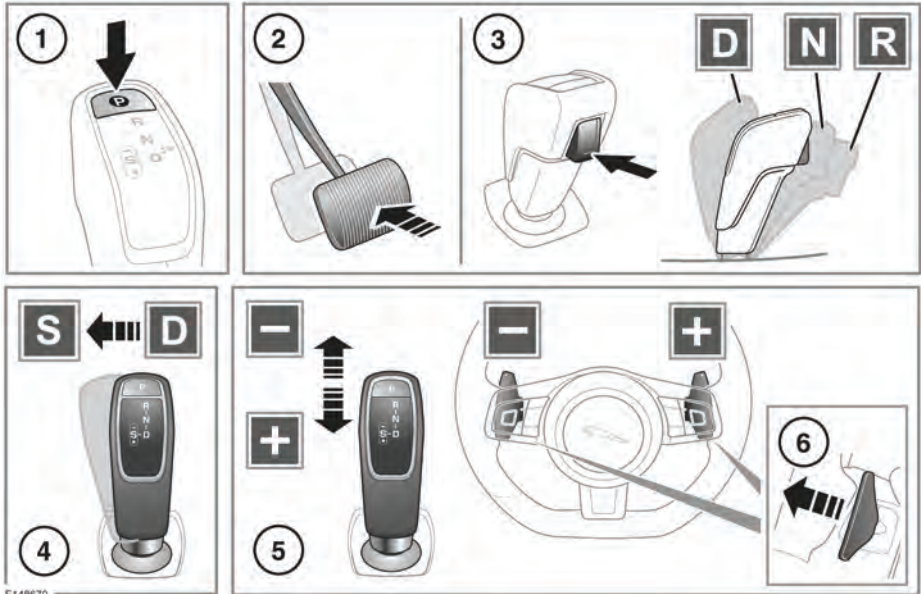
The Intelligent stop/start system off icon also illuminates if there is a system fault. If the Intelligent stop/start switch is pressed while there is a fault, the message **ECO STOP-START UNAVAILABLE** is displayed.

**Instructional video** - Intelligent stop/start.





## AUTOMATIC TRANSMISSION



Gear selector status is displayed in the Message center. See **34, WARNING AND INFORMATION MESSAGES**. Also the appropriate LED indicator, on top of the gear selector, will illuminate to confirm selection.

**Note:** When the gear selector is released, after normal operation, it will return to the central position except for when in the Sport (S) position.

### **WARNING**

**Park (P) should be engaged only when the vehicle is stationary. If any other gear position is selected while the vehicle is stationary, the vehicle can move unexpectedly which may result in death or serious injury. Always make sure the parking brake is applied after engaging P.**

### **NOTICE**

*Never select P while the vehicle is in motion. Doing so can result in serious transmission damage.*

**Note:** P cannot be selected by manually moving the gear selector.

1. Press to select Park (P). The Park switch LED will illuminate to confirm.

**Note:** P can be selected from any gear selector position.

Select P before switching off the engine.

**Note:** If the engine is switched off with Neutral (N) selected, the system will wait for 10 minutes before selecting P. This procedure is to allow the vehicle to be conveyed through a car wash only and should not be used for vehicle recovery purposes. See **182, TRANSPORTING THE VEHICLE**.

E148670

# Gearbox

2. When the vehicle is stationary, depress the brake pedal prior to selecting Drive (D), Neutral (N) or Reverse (R).
3. With the brake pedal still applied, press the release button to allow the gear selector to be moved:
  - 1 movement back to select D.
  - 1 movement forward to select N.
  - 2 movements forward to select R.

## NOTICE

Never select R while the vehicle is in forward motion. Doing so can result in serious transmission damage.

## NOTICE

Never select a forward gear while the vehicle is moving backwards. Doing so can result in serious transmission damage.

**Note:** The release button is required for all gear selections, except for when selecting N from D or R and selecting S from D or D from S.

4. While in D, move the gear selector one side movement to select S.

**Note:** Reverse this action to return to D.

5. While in S, manual selection of the gears can be made by pulling the gear selector back for upshifts and pushing forward for downshifts.

Manual gear selection status is displayed in the Message center. See 33,

## INSTRUMENT PANEL.

Also the relevant gear selector LED indicator will indicate the status of manual gear selection:

- Continuous illumination confirms the driver's gear change request has been recognised and selected.
- On/off flashing confirms the driver's gear change request has been recognised but not selected.

6. Gear shift paddles allow manual gear selection while in D or S. Operate the left paddle for downshifts and the right paddle for upshifts.

Pull the paddle briefly to change gear.

To exit manual mode, pull and hold the right paddle for approximately one second to return directly to previous automatic operation in D or S.

**Note:** The gear shift paddles can be switched on and off, and configured to operate in 'S only' or 'D and S' via the Vehicle Setup menu. See 33, INSTRUMENT PANEL MENU.

## NOTICE

Do not allow the vehicle to remain stationary with a drive gear selected and the engine running. If the engine is to idle for a prolonged period, select N and apply the parking brake.

**Instructional video** - Transmission controls.



## MANUAL GEAR SELECTION

When D is selected, manual mode may be temporarily accessed by operating the steering wheel mounted shift paddles.

While in D temporary manual mode will be held while the driver is accelerating, decelerating, cornering or continuing to request shifts via the paddles.

If continued use of temporary manual mode (via the shift paddles) is required, select S. Temporary manual mode will be automatically deactivated if the engine is over-revved or laboured, to prevent transmission and/or engine damage.

## **NOTICE**

*When the transmission is set to permanent manual mode (i.e. using the paddles to change gear while in the **S** position and Dynamic mode is selected, see **78, DYNAMIC MODE**) transmission up-shifts are fully controlled by the driver. This means that the transmission will not change up a gear automatically, even when the vehicle's rev limit is reached.*

## **LIMP-HOME MODE**

**Note:** *The driver should be aware that the vehicle's performance will be reduced and must take this into account when driving. The manual gear shift, via the gear selector and steering wheel paddles will be disabled. In this event, seek qualified assistance as soon as possible. See **37, ENGINE/TRANSMISSION (AMBER)**.*

In the event of an electrical or mechanical failure, transmission operation will be limited.

**P, R, N, D** and **S** may still be used to enable the vehicle to be driven to a safe area.

Some faults will cause the gear selector to be locked in position until the ignition is switched off. If the selected range flashes, it signifies that the driver request cannot be engaged.

Re-select **N** and repeat the attempt.

If the transmission is still unable to select the requested gear, contact a Dealer/Authorized Repairer.

# Stability control

## DYNAMIC STABILITY CONTROL (DSC)

### **⚠ WARNING**

DSC is unable to compensate for driver misjudgement. It remains the driver's responsibility to drive with due care and attention, in a manner which is safe for the vehicle, its occupants and the other road users.

DSC optimizes vehicle stability, even in critical driving situations. The system controls dynamic stability when accelerating and when starting from a standstill. Additionally, it identifies unstable driving behavior, such as understeer and oversteer and helps to keep the vehicle under control by manipulating the engine output and applying the brakes at individual wheels.

**Note:** Some noise may be generated when the brakes are applied.

When engaged, DSC will constantly communicate with various vehicle management systems to monitor the behavior of the vehicle. If necessary it will engage and operate the required system(s) to help maintain control of the vehicle's dynamic stability.

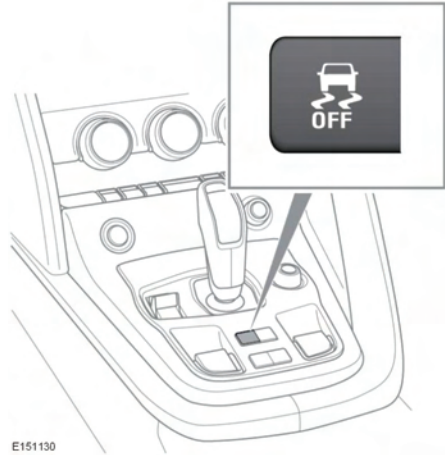
These management systems include:

- Engine.
- Transmission.
- Brakes.
- Steering.
- Suspension.

## SWITCHING DSC OFF

### **⚠ WARNING**

Disabling the DSC may adversely affect vehicle stability and braking which in turn can lead to loss of control and increased braking distance, resulting in a rollover or crash.



Press and hold the DSC switch for more than 3 seconds.

- The Message center will display **DSC Off** and a short warning chime will sound.
- The DSC Off warning lamp in the instrument panel will illuminate. See **38, DYNAMIC STABILITY CONTROL (DSC) OFF (AMBER)**.

## SWITCHING DSC ON

Press the DSC switch for 1 second and then release .

The DSC system will switch on, the Message center will temporarily display **DSC On**.

**Note:** Switching the engine off and then on again, will always revert DSC status to DSC On, regardless of which mode is selected.

## TRACDSC

### **CAUTION**

**TracDSC should only be used when necessary for the prevailing conditions.**

TracDSC is an alternative setting of DSC, with reduced system interventions. With TracDSC engaged, traction may be increased, although stability may be reduced compared to normal DSC. TracDSC is intended for use only on dry tarmac, by suitably experienced drivers. TracDSC should not be selected for other surfaces or by drivers with insufficient skill and training to operate the vehicle safely with TracDSC function engaged.

Press and hold the DSC switch for 1 second and then release.

## SWITCHING BETWEEN DSC AND TRACDSC

Press and hold the DSC switch for less than 3 seconds. The Message center will temporarily display either **TracDSC** or **DSC On**.

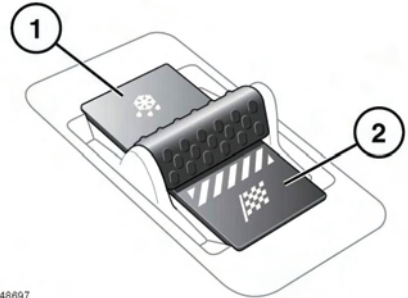
The DSC Off warning lamp will illuminate when TracDSC is active.

**Note:** *Cruise control will automatically be disengaged.*

## JAGUARDRIVE CONTROL

The JaguarDrive Control switch is located on the driver's side of the center console, next to the gearstick. See **204, DRIVER CONTROLS**.

**Note:** *The switch lever will always return to the center position when released, regardless of the mode selection.*



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1. Move the switch lever to the Rain/Ice/Snow mode position to engage. Repeat this action to disengage. See **77, RAIN/ICE/SNOW MODE**.
2. Move the switch lever to the Dynamic mode position to engage. Repeat this action to disengage. See **78, DYNAMIC MODE**.

When Rain/Ice/Snow mode or Dynamic mode is engaged then the relevant switch lamp will remain illuminated.

When Rain/Ice/Snow mode or Dynamic mode is disengaged then the relevant switch lamp will extinguish.

## RAIN/ICE/SNOW MODE



Rain/Ice/Snow mode optimises stability of the vehicle to suit low grip conditions. This helps the vehicle to perform in a more gentle and controlled manner, to avoid skidding, allowing more confident progress under adverse conditions.

# Stability control

**Note:** Rain/Ice/Snow mode cannot be active at the same time as Dynamic mode.

**Note:** Rain/Ice/Snow mode will remain selected indefinitely, even after the ignition is switched off. Rain/Ice/Snow mode must be deselected if no longer required.

## DYNAMIC MODE



Dynamic mode co-ordinates the vehicle's control systems to deliver a high performance driving experience.

**Note:** Dynamic mode cannot be active at the same time as Rain/Ice/Snow mode.

**Note:** Dynamic mode will remain selected for approximately 6 hours after the ignition is switched off, after which point it will need to be selected again if required.

**Note:** When the transmission is set to permanent manual mode and Dynamic mode is selected, transmission upshifts are fully controlled by the driver. The transmission will not change up automatically, even when the rev limit is reached (the gear position indicator in the Message center will glow amber, to indicate that the next gear should be selected).

## DYNAMIC LAUNCH

Dynamic launch enhances vehicle acceleration and automatic gear changes during launch.

To activate:

1. Make sure that the:
  - The vehicle is stationary.
  - The engine is running.
  - The steering is in the straight ahead position.
  - Dynamic mode is engaged. See 77, **JAGUARDRIVE CONTROL**.
2. Depress the brake pedal and hold with the left foot.

3. Move the gear selector to either the Drive (D) or Sport (S) position. See 73, **AUTOMATIC TRANSMISSION**.
4. Using the right foot, lightly depress the accelerator pedal until the Message center displays **DYNAMIC LAUNCH READY**.
5. Release the brake pedal then quickly press the accelerator pedal to the kick down position. The Message center will display **DYNAMIC LAUNCH ACTIVE**.

**Note:** Any manual gear selection, from the gear selector or steering wheel gearshift paddles, will override the Dynamic launch operation.

Dynamic launch will remain available for further use after a short period of time.

**Note:** Dynamic launch will not be active when the accelerator pedal is released from a high demand position.

Prolonged application of the brake pedal will deactivate Dynamic launch.

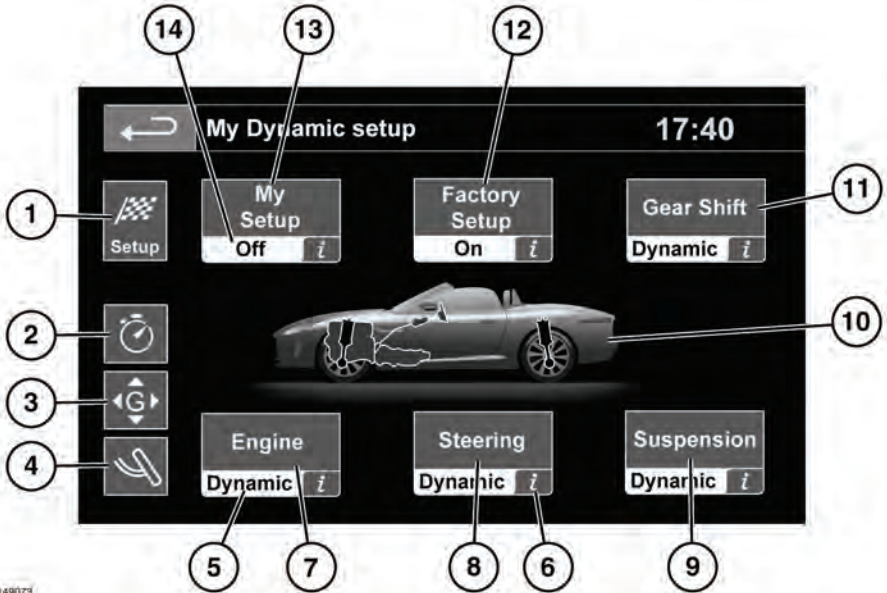
**Note:** Dynamic launch is not fitted to 3.0 V6 340PS engine vehicles.

**Instructional video** - Dynamic mode and Dynamic launch.



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## CONFIGURABLE DYNAMIC MODE



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Vehicles with configurable dynamics, allow the dynamic mode settings to be configured via the touch screen for selected characteristics, with a choice between Normal and Dynamic settings. See **58, EXTRA FEATURES**.

1. Touch to display and adjust configurable settings when in Dynamic mode.
2. **Stopwatch:** Touch to display live timings and split timings.  
*Note: Up to 99 split times can be saved and reviewed.*  
*Note: When the Press to split button has been pressed it is disabled for 3 seconds while the split time is displayed.*
3. **G Meter:** Touch to display the current amount and direction of G Force.
4. **Pedal Graph:** Touch to display a brake and accelerator graph or a live display.
5. Indicates status, Dynamic or Normal.

6. Touch to display a description of the function.
7. **Engine:** Touch to select Dynamic or Normal setting.
8. **Steering:** Touch to select Dynamic or Normal setting.
9. **Suspension:** Touch to select Dynamic or Normal setting.
10. Displays which dynamic functions are selected.
11. **Gear Shift:** Touch to select Dynamic or Normal setting.
12. **Factory Setup:** Touch to switch on/off.
13. **My Setup:** Touch to switch the user settings on/off.
14. Indicates status, on/off.

# Stability control

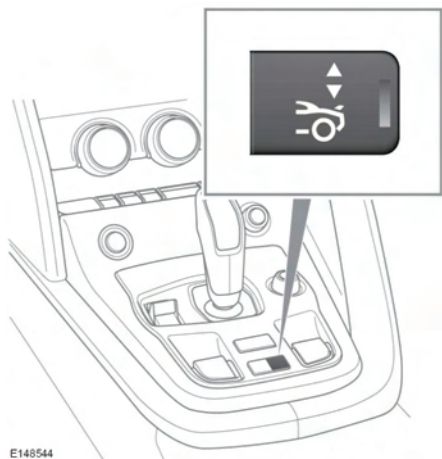
## SPOILER

Automatic Mode:

The Deployable Rear Spoiler (DRS) will automatically deploy when the vehicle reaches a speed of 60 mph (96 km/h).

The DRS will automatically retract when the vehicle speed is less than 40 mph (64 km/h).

**Manual Mode:**



Press the switch to manually deploy the DRS at speeds below 60 mph (96 km/h). The switch will illuminate to confirm.

**Note:** The DRS can also be manually deployed when the vehicle is stationary, for maintenance.

**Note:** The DRS will not automatically retract when in manual mode. It is advisable to return the DRS to automatic mode when manual mode is no longer required.

Press the switch again to return to automatic mode. The switch lamp will extinguish to confirm. The DRS will retract if vehicle speed is below 40 mph (64 km/h).

**Note:** If the vehicle is stationary, or the vehicle speed is below 13 mph (21 km/h), the switch must be continually pressed until the DRS is fully retracted. If the retraction is aborted then release the switch and press again to return to the fully deployed position.

**Note:** Continuous operation of the DRS may cause the system to overheat and cease operation. If this occurs allow sufficient time for the system to cool.

### **NOTICE**

Make sure the DRS is fully retracted before using a car wash or a pressure washer.

If a fault is detected in the DRS system, then the message **SPOILER NOT AVAILABLE** will be displayed in the Message center. In some cases the DRS system may reset by switching the ignition off for a few seconds then switching on again. If the message is still displayed then drive with caution and seek assistance from a Dealer/Authorized Repairer as soon as possible.

Regularly check and clean the DRS housing and drainage areas.

When driving in adverse conditions make sure that the DRS is clear of obstructions (for example ice, snow, leaves, etc.). Manually check operation of the DRS before each journey.

Do not attach or apply any loads to the DRS (for example bicycle carrier, luggage rack, signs, etc.).

## ACTIVE DIFFERENTIAL CONTROL

The Active differential control (E-diff) improves traction on uneven road surfaces and can also improve stability in oversteer situations.

If the warning message **EDIFF SYSTEM FAULT** is displayed and DSC is off, then TracDSC will be automatically selected. The vehicle can still



be driven and DSC modes can be selected, but seek qualified assistance as soon as possible.

If the warning message **EDIFF NOT AVAILABLE** is displayed, the system has temporarily shut down to prevent overheating. The vehicle can still be driven and the E-diff will be operational again when the system has cooled sufficiently.

During the first 1000 miles (1600 km):

- Avoid full throttle applications and do not exceed 120 mph (190 km/h). Observe the national speed limits in the country in which you are traveling.
- Avoid prolonged periods in excess of 100 mph (160 km/h).

During the first 5000 miles (8000 km):

- Do not exceed 155 mph (250 km/h).
- Do not participate in motor racing events, track days, sports driving schools or similar.

# Suspension

## **ADAPTIVE DYNAMICS**

If the general warning lamp illuminates (see **36, GENERAL WARNING/INFORMATION MESSAGE (AMBER)**) and the message **ADAPTIVE DYNAMICS FAULT** is displayed in the Message center, some reduction in ride comfort may be experienced. If the fault persists, consult a Dealer/Authorized Repairer.

## IMPORTANT INFORMATION

### **WARNING**

**Do not rest your foot on the brake pedal while the vehicle is in motion.**

### **WARNING**

**Never allow the vehicle to coast (freewheel) with the engine turned off. The engine must be running to provide full braking assistance. The brakes will still function with the engine off, but far more pressure will be required to operate them.**

### **WARNING**

**If the red brake warning lamp illuminates, safely bring the vehicle to a stop, as quickly as possible and seek qualified assistance.**

### **WARNING**

**Never place non-approved floor matting or any other obstructions under the pedals. This restricts pedal travel and braking efficiency, and may cause a crash.**

Driving through heavy rain or water can have an adverse effect on braking efficiency. Under such circumstances, it is recommended that you lightly apply the brakes intermittently, to dry the brakes.

### **WARNING**

**Do not pump the brake pedal at any time; this will interrupt operation of the system and may increase stopping distances.**

## EMERGENCY BRAKE ASSIST (EBA)

If the driver rapidly applies the brakes, EBA automatically boosts the braking force to its maximum, in order to bring the vehicle to a halt as quickly as possible.

EBA stops operating as soon as the brake pedal is released.

A fault with the EBA system is indicated by the brake warning lamp (see **36, BRAKE (RED)**) illuminating and a warning message displayed in the Message center. Drive with care, avoiding heavy brake application and seek qualified assistance.

## ELECTRONIC BRAKE FORCE DISTRIBUTION (EBD)

EBD controls the balance of braking forces supplied to the front and rear wheels, in order to maintain maximum braking efficiency.

If the vehicle has a light load (only the driver in the vehicle for example), EBD will reduce the braking force applied to the rear wheels. If the vehicle is heavily laden, EBD will allow greater braking force to the rear wheels.

A fault with the EBD system is indicated by the brake warning lamp (see **36, BRAKE (RED)**) illuminating and an associated warning message. Gently and safely stop the vehicle and seek qualified assistance.

# Brakes

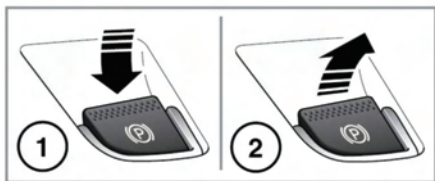
## ELECTRIC PARKING BRAKE (EPB)

### **⚠ WARNING**

Do not rely on the parking brake to hold the vehicle stationary if the brake warning lamp is illuminated or the EPB warning lamp is flashing. Seek qualified assistance urgently.

### **NOTICE**

The parking brakes operate on the rear wheels. Therefore, secure parking of the vehicle is dependent on being on a hard and stable surface.



With the ignition switched on, depress the brake pedal and press down on the EPB switch (1). This will release the parking brake.

With the vehicle stationary, depress the brake pedal and pull up the EPB switch (2). This will apply the parking brake. A warning lamp (see **36, PARKING BRAKE (RED)**) illuminates to indicate that the parking brake is applied.

If the EPB switch is operated when the vehicle speed is less than 2 mph (3 km/h) the vehicle will be brought to an abrupt stop. The stop lamps will not be illuminated.

### **NOTICE**

Driving the vehicle with the parking brake applied, or repeated use of the parking brake to slow the vehicle, may cause serious damage to the brake system.

In an emergency, with the vehicle traveling more than 2 mph (3 km/h), pulling on the EPB switch and holding gives a gradual reduction in the speed. The brake warning lamp will illuminate accompanied by a warning tone and a warning message in the Message center. The stop lamps will illuminate.

If the vehicle is stationary with the EPB applied and the transmission in **P**, selecting **D**, **N** or **R** will release the EPB and allow the vehicle to move off. See **73, AUTOMATIC TRANSMISSION**.

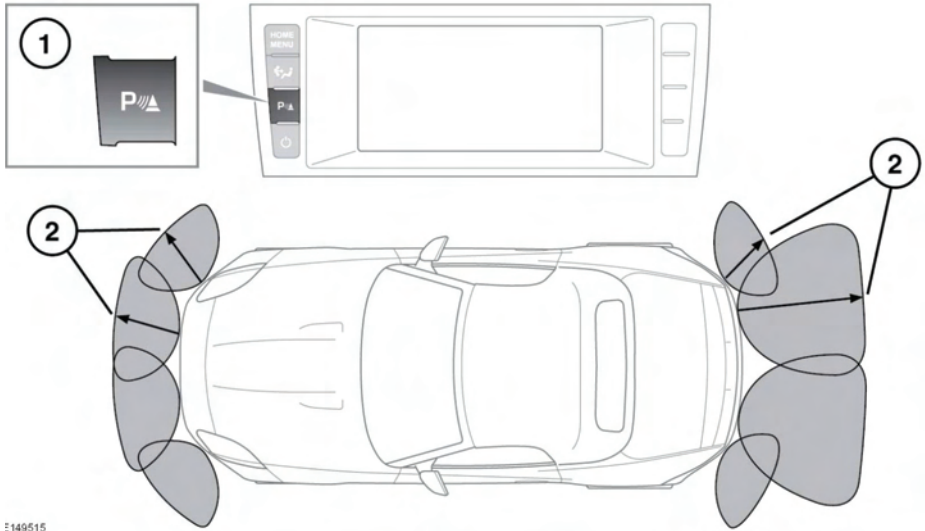
**Note:** Automatic release of the EPB is only possible when the driver's door is closed or the driver's seat belt is buckled.

If the system detects a fault with the EPB, the amber brake warning lamp will illuminate accompanied by a message in the Message center.

If the system detects a fault while EPB is operating, the red parking brake warning lamp will flash, accompanied by a message in the Message center.

**Note:** The red parking brake warning lamp will continue to be illuminated for at least 10 seconds after the ignition has been turned off.

## USING THE PARKING AID



E149515

### **⚠ WARNING**

The parking aid system is not a substitute for driving safely with due care and attention. Drivers should not assume that this feature will correct errors of judgement while driving.

### **⚠ WARNING**

Parking aids may not detect moving objects, such as children and animals until they are dangerously close. Always exercise extreme caution when maneuvering and always use the mirrors.

### **⚠ WARNING**

It remains the driver's responsibility to detect obstacles and estimate the vehicle's distance from them. Some overhanging objects, barriers, small children, animals, thin obstructions or painted surfaces may not be detected by the system.

### **⚠ WARNING**

The parking aid system may not function under all speeds, weather and road conditions.

### **NOTICE**

*If accessories are fitted to the rear of the vehicle, particular care must be taken when reversing. The rear sensors will only indicate the distance from the bumper to the obstacle.*

1. Parking aid switch. Press to turn on and off.
2. Parking aid detection range.

When Reverse (R) is selected, the front and rear parking sensors are activated automatically and the switch indicator will illuminate.

To manually activate the front sensors press the parking aid switch, the switch indicator will illuminate.

# Parking aids

To turn off the system when active, press the switch, the switch indicator will extinguish.

The range of the parking aid sensors varies between the front, rear and corners of the vehicle.

The front sensors will remain active as long as the vehicle's forward speed does not exceed 10 mph (16 km/h).

Selecting **N** from **R** will keep front and rear sensors active.

When parking aid is active a pop-up appears on the touch screen showing a plan view of the vehicle and the immediate surrounding area. Touch **Display Off** to cancel the view.

**Note:** *If a rear-view camera is fitted, when Reverse (R) is selected, the camera display is selected automatically. To view the parking aid display, touch the screen.*

When objects are detected, the parking aid emits a warning tone which increases in frequency as the vehicle gets closer to the object and then becomes constant when the obstacle is within 12 ins (300 mm).

**Note:** *The front parking aid provides an audible proximity warning when driving forwards and when reversing.*

## CLEANING THE SENSORS

### **NOTICE**

*When washing the vehicle do not aim high pressure water jets directly at the sensors. Do not use abrasive materials or hard/sharp objects to clean the sensors. Only use approved vehicle shampoo.*

The sensors should be kept clean to maintain accuracy and performance.

## PARKING AID SYSTEM FAULT

If a system fault is detected, a long high-pitched tone will sound, and the switch indicator will flash. Contact your Dealer/Authorized Repairer as soon as possible.

## PARKING AID VOLUME

To set the volume of the parking aid warning tones:

- Select **Setup** from the touch screen **Home menu**, then select **System**.
- Select **Volume presets**, then use the + or - soft keys alongside Parking aid to adjust volume for both front and rear warning tones, or rotate the volume control knob when the warning tones are sounding.

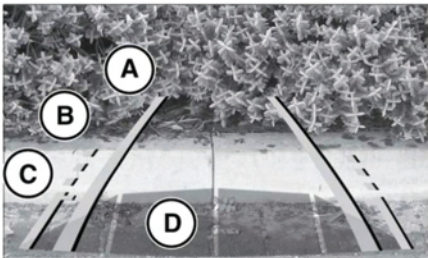
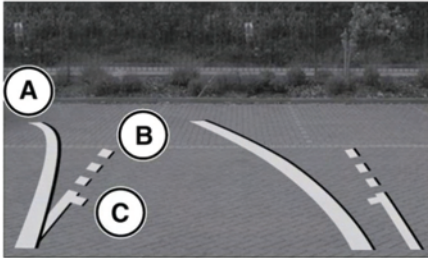
## REAR CAMERA

### **⚠**WARNING

**It remains the driver's responsibility to detect obstacles and estimate the vehicle's distance from them when reversing.**

When Reverse (R) is selected, the screen automatically displays a wide angle, color image from the rear of your vehicle.

The rear view camera system provides a rear view image to assist in reversing the vehicle. Overlaid on the image are reversing guidelines.



E142176

- A. Solid line: The projected wheel trajectory.
- B. Dotted line: The safe working width of the vehicle (including exterior mirrors).
- C. Luggage compartment access guidelines: Do not reverse past this point if luggage compartment access is required.
- D. Parking aid sensor activation: a colored area appears to indicate which rear sensor(s) is active.

**Note:** The camera display has priority over the parking aid display. To view the parking aid display instead, touch the display.

### **NOTICE**

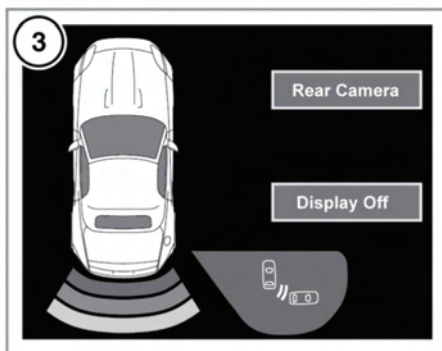
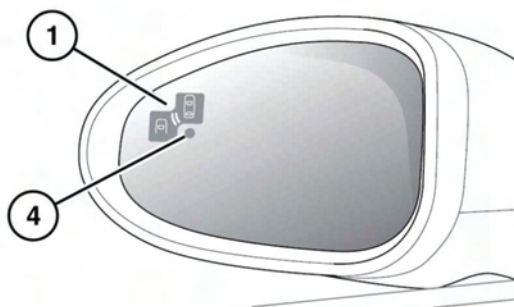
Some overhanging objects or barriers which could cause damage to the vehicle may not be detected by the camera.

**Instructional video** - Rear camera.



# Parking aids

## REVERSE TRAFFIC DETECTION



E151386

### **⚠ WARNING**

The Reverse Traffic Detection (RTD) system is a supplement to, not a replacement for, safe driving, good observation and use of the exterior and rear-view mirrors.

### **⚠ WARNING**

The system may not be able to provide sufficient warning for vehicles approaching very quickly.

In addition to the functionality provided by the rear camera, the RTD system provides a warning to the driver of any moving vehicle, at either side, that may pose an accident risk during a reversing maneuver.

An amber warning icon (1) will flash in the relevant exterior mirror and an audible warning will be emitted to indicate the presence of a moving vehicle. The rear camera screen (2) or the parking aid screen (3) will also show a warning on the relevant side(s) of the screen. To switch between the rear camera and the parking aid screen, touch the camera image or the **Rear Camera** icon accordingly.

The system can be enabled or disabled via the instrument panel menu, see **33, INSTRUMENT PANEL MENU**. When RTD is disabled, an amber dot (4) will be displayed in both exterior mirrors.



## REVERSE TRAFFIC DETECTION SENSORS

The RTD system will automatically disable if any of the sensors become partially or completely obscured, and the amber warning indicator dot will illuminate in the exterior mirrors and the message Reverse Traffic Sensor Blocked appears in the Message center.

Check that there is nothing obscuring the rear bumper and it is clear from ice, frost, snow, mud and dirt.

If a fault with a radar sensor is detected, an amber warning indicator dot will illuminate in the exterior mirrors and the message **Reverse Traffic Detection System Not Available** is displayed in the Message center.

**Note:** *Even if the detected fault only affects the radar sensor on one side of the vehicle, the whole system is disabled. If the fault is temporary, the system will operate correctly once the engine has been switched off and then on again.*

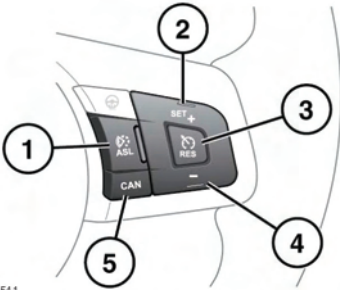
If a fault occurs, consult your Dealer/Authorized Repairer.

# Automatic speed limiter (ASL)

## ASL CONTROLS

### **⚠ WARNING**

In certain conditions, such as a steep downhill gradient, the vehicle speed may exceed the set speed limit. This is because engine braking is unable to maintain or reduce the vehicle speed, driver intervention may be required.



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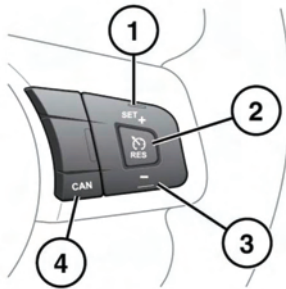
1. ASL on/off. The ASL button switches between cruise control and ASL. The systems cannot be used simultaneously. The ASL warning lamp will illuminate when ASL is active. See **38, AUTOMATIC SPEED LIMITER (AMBER)**.  
**Note:** ASL only operates at speeds between 18 mph (30 km/h) and 150 mph (240 km/h). However, the speed limit can be set while the vehicle is stationary.
2. Set/increase speed limit. The set speed limit will be displayed in the Message center.  
When a speed has been set, the engine will respond normally up to the set speed. Further accelerator pressure will not increase the speed beyond the set speed unless sudden, rapid acceleration (kickdown) is applied. If kickdown is initiated, ASL will be suspended.
3. Resume ASL assistance. ASL will only resume if the vehicle speed is less than the set speed and greater than 18 mph (30 km/h). If these criteria are not met, a message will be displayed in the Message center.
4. Decrease speed limit. The set speed limit will be displayed in the Message center.
5. Suspend ASL assistance. ASL can also be suspended by applying sudden, rapid acceleration (kickdown).

## USING CRUISE CONTROL

### **WARNING**

The driver must always ensure that a safe speed is maintained within the speed limit, taking account of traffic and road conditions.

Do not use cruise control in heavy traffic or conditions where a constant road speed cannot be safely maintained, such as on roads that are winding, wet with rain or snow, slippery or unpaved.



E149533

The system is operated by controls mounted on the steering wheel. The driver can also intervene at any time by use of the brake or accelerator pedals.

1. **SET+**: Press to set the speed or to increase the set speed. The cruise control warning lamp will illuminate to confirm cruise control is operational (see **38, CRUISE CONTROL (GREEN)**).

The cruising speed can also be increased using the accelerator. When the desired speed is reached, press the button to set and maintain the new speed and then release the accelerator.

**Note:** Cruise control can only be engaged at speeds in excess of 18 mph (30 km/h).

2. **RES**: Press to resume the set speed.

### **NOTICE**

It is not recommended to resume set speed when a low gear is selected as excessive engine speeds will occur. **RES** should be used only if the driver is aware of the set speed and intends to return to it.

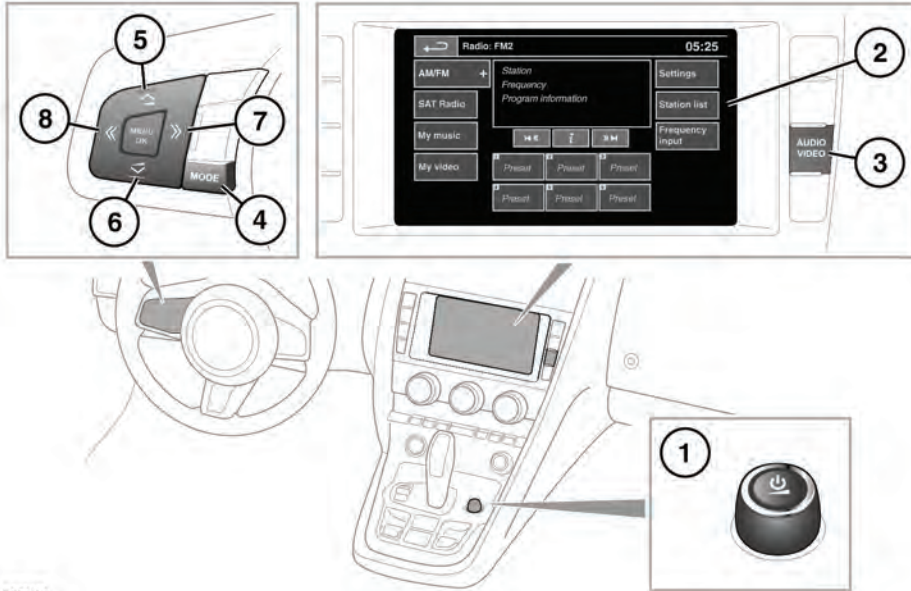
3. Press to decrease the set speed.
4. **CAN**: Press to cancel but retain the set speed in memory.

Cruise control will also be canceled if the brake pedal is pressed, the gear selector is moved to Neutral (**N**), or if DSC is activated.

**Note:** If the accelerator pedal is pressed for more than 5 minutes, cruise control will be canceled.

# Audio/video overview

## AUDIO/VIDEO CONTROLS



E149742

### **⚠ WARNING**

Do not adjust the main audio unit's controls, or allow the system to distract the driver while the vehicle is moving. Driver distraction can lead to accidents, causing serious injury or death.

### **⚠ CAUTION**

Sustained exposure to high sound levels can damage your hearing.

*Note: Some types of body mounted accessories (for example, external luggage compartment stowage devices) may affect the performance of this system.*

1. On/off and volume control:

- Press to switch the system on/off.
- Rotate to adjust the volume level.

*Note: The audio system operates with the ignition on or off but will switch off with the ignition and needs to be switched on again. If the engine is switched off the audio system will close down after 10 minutes to preserve the battery.*

2. Touch screen.
3. Shortcut to the Audio/video menu.
4. Steering wheel controls, **MODE**:
  - Short press to scroll through all of the audio/video sources.
  - Long press to scroll through audio/video source sub selections, e.g. In My music: iPod, Bluetooth, stored CD and CD etc.
5. Press to increase the volume.
6. Press to decrease the volume.

7. Seek up:
  - Short press to select the next radio preset or next track on the chosen audio source.
  - Long press to seek to the next radio station.
8. Seek down:
  - Short press to skip/move to the previous radio preset or previous track on the chosen audio source.
  - Long press to activate manual-seek, scan backwards through a track.

**Instructional video** - Steering wheel controls.



E151788

## AUDIO SETTINGS

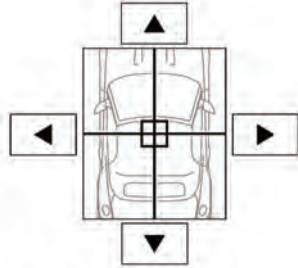
To view the audio settings menu, touch the **Settings** soft key on the **Audio/video menu** screen. See **56, TOUCH SCREEN HOME MENU**.

To adjust the sound settings:

1. Touch the + or - soft keys to adjust Bass, Treble or Subwoofer levels.
2. If surround sound is fitted, touch **DPLIIx**, **DTS Neo:6**, **Meridian Trifield** or select **Off** to switch surround sound off.

**Note:** Surround sound options are not available for certain sources where the surround sound mode is set automatically.

To adjust balance and fade:



E151486

1. From the Sound settings menu, select **Balance/Fade**.
2. Touch the arrow soft keys to move the sound focal point to the desired area of the vehicle. Alternatively, touch the sound focal point and 'drag' it to the required position.

**Instructional video** - Audio settings.



E151789

## LOADING DISCS

### **NOTICE**

*Do not force the disc into the slot.*

### **NOTICE**

*Do not use irregular shaped CDs or DVDs and those with a scratch protection film or self-adhesive label attached.*

### **NOTICE**

*The CD unit will play compact discs that conform to the international Red Book standard audio specification. Playback of CDs not conforming to this standard cannot be guaranteed.*

# Audio/video overview

## NOTICE

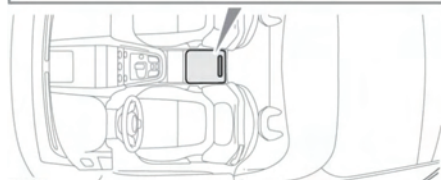
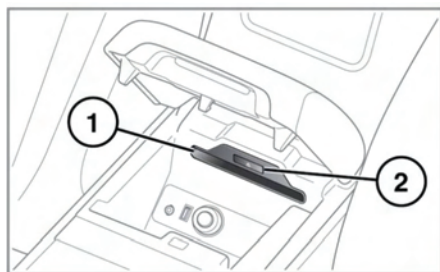
Recordable (CD-R) discs and re-writable (CD-RW) discs may not function correctly.

## NOTICE

Recordable (DVD-R or DVD+R) discs may not function correctly.

## NOTICE

Dual format, dual-sided discs (DVD Plus, CD-DVD format) are thicker than normal CDs and consequently playback cannot be guaranteed, and jamming may occur.



E149661

1. CD/DVD loading slot.
2. CD/Digital Versatile Disc (DVD) eject button.

It is recommended that only high quality 4.7 in. (12 cm) circular discs are used.

The unit will play Compact Disc Digital Audio (CDDA) discs, MP3, WMA, WAV and AAC files.

The CD/DVD player will accommodate one CD or DVD disc at a time but up to 10 CDs can be uploaded onto the virtual store.

Only CDDA discs can be loaded into the virtual CD store.

## LICENSING



E132538



E132539

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E132540

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E132541



E132542

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E132543

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Covered by one or more of the following U.S. Patents: 7,295,673; 7,460,668; 7,519,274 EOM.



E132544

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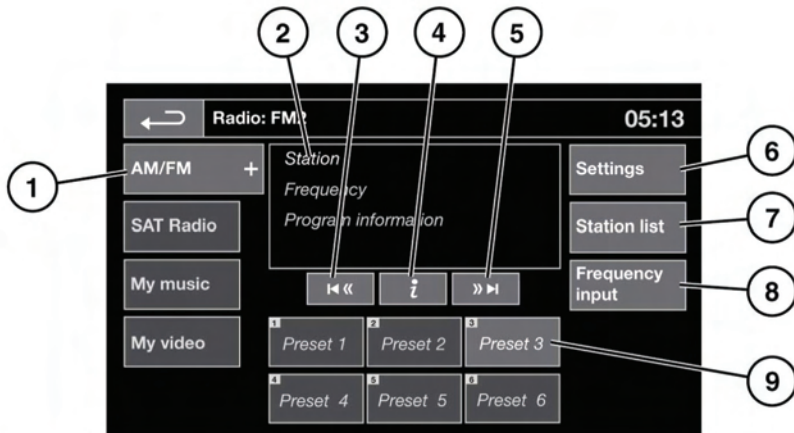
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## RADIO CONTROLS



E151293

### **⚠ WARNING**

**Do not adjust the touch screen controls, or allow the system to distract the driver, while the vehicle is moving. Driver distraction can lead to accidents, causing injury or death.**

- Radio:** Touch **AM/FM** to view and select a waveband. The radio will tune to the last used station on that waveband. Touch again to close.

The waveband selection box will close automatically after 5 seconds without use.

- Displays information about the current station.
- Seek down:
  - Short touch to auto seek down the frequency to the next radio station.
  - Long touch to activate manual seek mode. Further short touches change the frequency in single decrements. A further long touch will scan backwards through the current waveband until the soft key is released.

- Information. More information from the broadcasting station.
- Seek up:
  - Short touch to auto seek up the frequency to the next radio station.
  - Long touch to activate manual seek mode. Further short touches change the frequency in single increments. A further long touch will scan forwards through the current waveband until the soft key is released.
- Settings:** Touch to view and activate/deactivate the following features: **RBDS** and **HD Radio**. See **98, RADIO BROADCAST DATA SYSTEM (RBDS)**.
- Station list (FM only):** Select to view a list of available stations on the waveband. The list can be sorted by **Frequency**, **Name** or **Category** (pop, news, sport etc.) by selecting the appropriate soft key. Touch to select the chosen station.  
  
If the stations are sorted by category, touch the chosen category to view and select a corresponding station.

# Radio

8. **Frequency input:** Select to enter a known frequency of a station on the current waveband, using the numeric keypad that appears. Select OK or wait for 2 seconds to tune to the entered frequency.
9. **Station presets:** Each waveband has 6 preset positions.
  - Touch and release to tune to the station stored on that preset.
  - Touch and hold to store the current station on that preset (the radio will mute while the station is stored then beep).
  - Use the seek buttons on the steering wheel to change to the next or previous preset station.

## RADIO BROADCAST DATA SYSTEM (RBDS)

Your radio is equipped with RBDS which enables the audio unit to receive additional information with normal FM radio signals.

**Note:** *Not all FM radio stations broadcast RBDS information.*

Select **Settings** then select **RBDS On** to view or alter RBDS settings.

- RBDS station name display. The station name will not display if it is not available from the broadcaster or if RBDS is unavailable due to loss of reception.
- RBDS enables stations to be categorized by program type, e.g., rock music, current affairs, news, etc. The list is then available to view via the **Station list** soft key.

## ALERTS

The **ALERT!** option in the **Category** section of the **Station list** will alert you to a crisis of national or international importance. Any radio broadcast or other audio playback will be interrupted. When such a broadcast is made, an ALERT pop-up will be displayed on the touch screen. The pop-up can be canceled, but the audio alert will continue to broadcast until finished or until the radio station or audio source is changed.

## HD Radio TECHNOLOGY

HD Radio™ systems provide digital radio broadcasts on AM/FM radio alongside the analog radio signals. HD Radio™ technology is capable of providing improved audio quality compared to the analog broadcast.

HD Radio technology operates in a very similar way to the standard AM/FM system. For information on storing stations, waveband selection etc. see **97, RADIO CONTROLS**.

When an HD Radio signal is detected and received, the tuner gradually blends automatically between the analog and the digital audio.

In areas of poor reception due to signal masking and transmitter strengths, the HD Radio system may switch between the HD Radio primary signal and the corresponding analog broadcast more frequently. If tuned to a multicast service, the audio may mute more frequently.

**Note:** During this process, a change in volume levels may be experienced. The volume matching between the analog and digital signal is dependent upon the broadcaster.

**Note:** If poor reception and auto switching becomes unacceptable, it is recommended that HD is switched off or the radio tuned to an HD Radio service with better coverage.

**Note:** Some types of body mounted accessories (for example, roof rack and luggage compartment lid stowage devices) may affect the performance of this system.

The HD Radio digital signal is transmitted at the same frequency as the analog signal and can also provide additional multicast channel services where available.

To switch the HD Radio feature on and off:

- Select **Settings**.
- Select **HD Off** to deactivate or **On** to activate HD Radio.

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When tuned to an HD Radio channel, the station name shown in the display, is prefixed by **HD**. If there are multicast services available, the station name will be prefixed by **HD1**.

## TUNING TO MULTICAST SERVICES

Multicast services (extra digital audio channels) can be received on HD Radio™ channel broadcasts. Their availability is dependent upon the channel broadcaster. If an HD Radio channel features multicast services, **HD1** will be displayed.

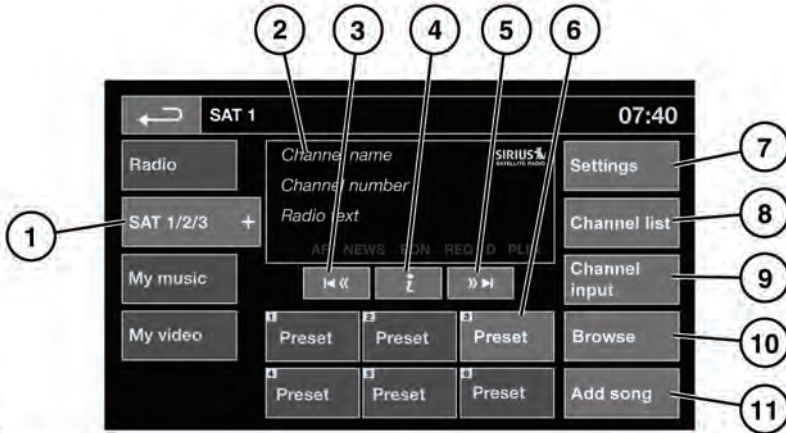
To access any available multicast services, use the seek buttons on the audio unit. The selected service (HD2, HD3 etc.) will be displayed.

**Note:** If the last of the multicast stations is passed when using the seek arrows, then the next analog station will be selected. There will be a delay while the unit tunes to the next available analog frequency.

Multicast channels can be stored as presets and used as normal. When recalling a multicast preset, a short delay may be experienced during which the audio is muted.

If the signal is lost when listening to a multicast service, the audio will be muted.

## SATELLITE RADIO CONTROLS



E181294

### **WARNING**

Do not adjust the touch screen controls, or allow the system to distract the driver, while the vehicle is moving. Driver distraction can lead to accidents, causing serious injury or death.

*Note: Some types of body mounted accessories (for example, external luggage compartment storage devices) may affect the performance of this system.*

#### 1. Satellite band selection:

- Touch to select satellite radio.
- Touch **SAT 1/2/3** to view and select a band (**SAT 1, 2 or 3**). The radio will tune to the last used channel on that band.

The Satellite band selection box will close after 5 seconds without use or can be closed by selecting SAT radio.

#### 2. Display showing the current channel, the associated Category and relevant radio text.

#### 3. Seek down:

- Touch to seek previous available channel.

#### 4. Channel information: Touch to view a pop-up of information broadcast by the channel.

#### 5. Seek up:

- Touch to find the next available channel.

#### 6. Channel presets: Each SAT band has 6 preset positions.

- Touch and release to tune to the channel stored on that preset.
- Touch and hold to store the current channel stored on that preset.
- Use the seek buttons on the steering wheel to select the next or previous preset channel.

**Note:** If a selected preset channel is unsubscribed, or has become unsubscribed, the Sirius phone number and a message will be displayed. See **102, SUBSCRIPTION SETUP**. Only subscribed channels can be saved as presets.

**7. Settings.** Select to view the Settings menu:

- **Options:** To activate/deactivate Song seek and to view and edit the Song memory.
- **Channel skip:** Select individual channels or entire categories (select **Skip all**) from the list. The selected channels/categories will be skipped when using the Seek controls.
- **Parental lock:** Select individual channels or entire categories (**Lock all**) from the list. Locked channels/categories cannot be selected without first entering the correct PIN.  
A 4-digit PIN needs to be entered to access the parental lock area. The default PIN is “0000” Select Edit PIN to change the PIN.  
**Note:** If the PIN is forgotten, it can be reset by touching and holding Parental lock for 10 seconds, then touching and holding SAT information for 10 seconds.
- **SAT information:** Select to view your SIRIUS ID number and subscription contact number.

**8. Channel list:** Touch to view a list of available categories. Select the desired category to view the list of corresponding channels. Make your channel selection from the list.

**9. Channel input:** Select to use the numerical touch-pad to enter a channel number. The **OK** soft key can be used at any time to enter

your selection. If a single number, e.g. 7, is entered, SDARS will tune to that channel.

If 07 or 007 is entered, SDARS will still tune to the same channel. If **OK** is not touched after numbers are selected, the station will automatically tune to that station following a time out period.

**10. Browse:** Select from the list of categories to view the details (channel number, artist and title of current track) of the channels in the selected category.

**Note:** If there is more information than can fit on the display, select **I** to view all the information available.

Select a channel from the list to tune to that channel (list is still displayed for further browsing).

**11. Add song:** Select to add the currently playing song title to the song memory. Subsequently, if a subscribed channel is broadcasting a song and its title is stored in the song memory, a pop-up will be displayed giving you the option to tune to that channel.

If the song memory is full and the vehicle is stationary, the option to edit the memory is available on a pop-up screen. Existing song titles can be deleted from the memory, allowing alternative song titles to be stored.

**Instructional video - Satellite radio.**



# Satellite radio

## SUBSCRIPTION SETUP

Satellite (SAT) radio is a subscription-based service provided by SIRIUS, providing a wide range of music, news, sport and talk entertainment channels. Satellite Radio provides digital radio across a much wider geographical range than terrestrial radio signals.

Channel 184 (The Weather Channel) is available as a preview channel for a limited time only. Once the preview has expired, or to receive further satellite radio stations, you will need to subscribe to SIRIUS.

From inside your vehicle, call SIRIUS using the displayed number. You will need your credit card details and the SIRIUS ID number (also displayed on-screen).

**Note:** *With a Bluetooth® wireless technology phone paired and connected to the vehicle, you can touch the green phone icon to call the SIRIUS subscription line.*

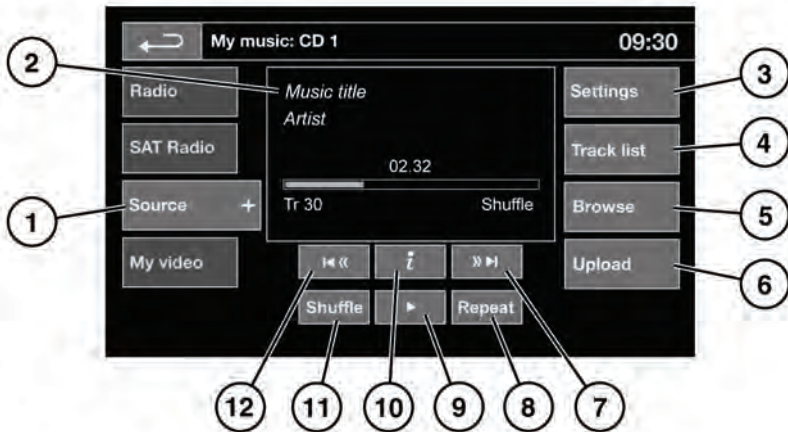
## SATELLITE RADIO RECEPTION

Satellite radio can significantly increase the number of radio channels available.

Where satellite signal strength is adversely affected by terrain, ground transmitters are used to relay the signal.

**Note:** *If any auxiliary electrical equipment is connected to the vehicle, then this may reduce the radio sound quality.*

## PORTABLE MEDIA CONTROLS



E181296

### **⚠ WARNING**

**Do not adjust the touch screen controls, or allow the system to distract the driver, while the vehicle is moving. Driver distraction can lead to accidents, causing serious injury or death.**

Portable media includes CD, iPod, USB, AUX and Bluetooth® devices. The full infotainment system also includes Stored CD.

1. Touch **Source** to display all the portable media options. Select an option.  
*Note: Sound quality and volume levels available from devices connected to the auxiliary input may vary widely.*
2. Display information about the current track, including elapsed run-time. Some of this information is also displayed in the instrument panel.  
*Note: Only connected devices that support ID3 shall have the information displayed.*

3. **Settings:** For MP3 recorded media, you can select the number of list entries that are skipped when you use the page up/down arrows when navigating a list.
4. **Track list.** Select to view current CD or Stored CD track list. Select a track to start playback.
5. **Browse.** (iPod, USB and Stored CD modes only).
  - Select to view the contents of the connected device which are displayed as dictated by the file structure.
  - Select a file to start playback (Browse view will remain). Select a folder or subfolder to view their contents.
  - To return to the Controls menu, select the Back soft key.
6. **Upload:** Applicable to Stored CD menu only.  
Select to view and manage the CDs loaded onto the CD store.

# Portable media

- Select **Upload** alongside an empty slot to upload the current CD. There are 10 slots available.
- If the CD store is full, select **Replace** to overwrite an existing CD.

In each case a confirmation pop-up will appear. Select **Yes** to continue.

***Note:** Loading time is dependent on content type. A % count up is displayed. Other features can be selected while upload is in progress.*

## 7. Skip/Scan forward:

- Touch and release to skip to the next track.
- Touch and hold to scan forwards through the current track. Play will resume when the soft key is released.

## 8. Repeat.

In **CD** mode:

- Touch and release to repeat the current track continuously until Repeat mode is canceled. **Repeat track** is displayed.
- Touch and release again to repeat the current Stored CD (or folder for MP3 discs) continuously until Repeat mode is canceled. **Repeat disc** or **Repeat folder** is displayed.
- Touch and release a third time to cancel Repeat mode.

***Note:** Selecting **Shuffle** will cancel Repeat mode, but **Repeat track** can be selected with Shuffle mode active (cancels the previously selected shuffle mode).*

In **USB** or **iPod** mode:

- Select to repeat the current track.
- Select again to repeat the current folder (USB) or to cancel repeat mode (iPod). Select again to cancel repeat mode in USB.

***Note:** Repeat mode is not available for Bluetooth® devices.*

***Note:** Selecting **Shuffle** will cancel Repeat mode.*

## 9. Pause/Play: Select to pause playback. Select again to resume playback.

## 10. Information: More information about the current track.

## 11. Shuffle:

- Touch and release once to play random tracks from the current CD, MP3 folder, USB folder or iPod playlist. A **Shuffle** message is displayed.
- Touch and release again to play random tracks from CD, MP3 disc, USB folders or tracks on the media device or tracks loaded onto the CD store. **Shuffle all** is displayed.
- Touch and release again to cancel Shuffle mode

***Note:** Shuffle mode is not available for Bluetooth® devices.*

## 12. Skip/Scan backward:

- Touch and release within 3 seconds of track playback to skip to the previous track.
- Touch and release after 3 seconds of track playback to skip to the beginning of the current track.
- Touch and hold to scan backwards through the current track. Playback will resume when the soft key is released.

For other relevant controls, see **92**, **AUDIO/VIDEO CONTROLS**.



## PORTABLE MEDIA CONNECTIONS

Portable media devices can be connected to the front media hub located in the cubby box. Compatible portable devices include:

- USB mass storage devices (e.g. a memory stick). Devices must use FAT or FAT32 file format.
- iPod® (iPod Classic, Touch, Nano and iPhone® are supported - full functionality for older devices cannot be guaranteed). iPod Shuffle functionality cannot be guaranteed.
- Auxiliary device (personal audio, MP3 players, all iPods).

**Note:** Auxiliary devices have no touch screen control.

If you are connecting an iPod, mass storage or Bluetooth® device, use the touch screen to operate and search the device. Many of the controls are similar to those available for CD play.

### **NOTICE**

Please disconnect your iPod when leaving the vehicle. Failure to do so may result in the iPod battery discharging.

**Note:** The audio system will play MP3, WMA and AAC files.

To maximize playback quality, it is recommended that lossless compression is used for any media files on USB or iPod. Failing this, it is recommended that compressed files utilize a minimum bitrate of 192 kb/s (a higher bitrate is strongly recommended).

**Note:** iPod and iPhone are registered trademarks of Apple Inc., registered in the U.S. and other countries.

**Note:** Some MP3 players have their own file system that is not supported by this system. To use your MP3 player, you must set it to USB Removable Device or Mass Storage Device mode. Only music that has been added to the device in this mode can be played.

## CONNECTING A DEVICE

### **⚠ WARNING**

**Make sure that any auxiliary devices are stored securely while the vehicle is in motion. Any loose objects are potential hazards during sudden maneuvers, emergency braking or accidents.**

### **NOTICE**

Do not place any item connected to the auxiliary input socket or the auxiliary power socket on the seats, carpets, or other upholstery. The heat generated by these devices may cause damage to the vehicle and, in some extreme cases, a fire.

### **NOTICE**

Read the manufacturer's instructions for any device, before it is connected to the audio system.

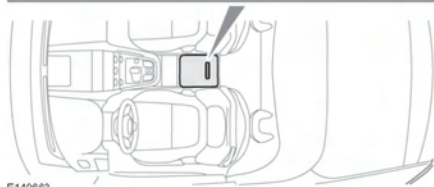
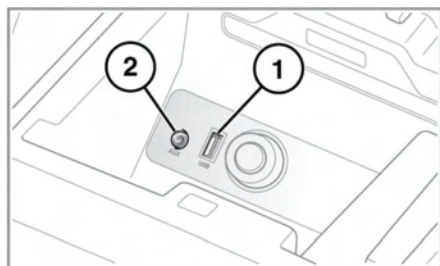
### **NOTICE**

Always refit the rubber cover when a portable device is not plugged in. This prevents damage to the sockets. The cover is not waterproof.

### **NOTICE**

Read the manufacturer's instructions for any device, before it is connected to the audio system. Ensure that the device is suitable, and comply with any instructions regarding connection and operation. Failure to do so may result in damage to the vehicle's audio system or the auxiliary device.

# Portable media



E149663

1. USB socket.
2. 3.5 mm AUX socket.

Connect the device into the appropriate socket.

**Note:** Use the cable supplied with your media device to connect to the USB socket.

When an iPod is connected, playback will continue from the point at which it was last playing, provided the iPod battery is in a good state of charge.

When a USB device is connected, playback will start from the first track in the first available folder. If a device is connected when **My music** is selected, playback will continue from the point at which it was last playing.

## **NOTICE**

*Do not plug non-audio devices into the USB port.*

**Note:** A USB hub cannot be used to connect more than one USB device to the audio unit.

**Note:** Devices connected to the USB ports will be charged, but devices that are fully discharged will not play.

**Note:** Options such as **Repeat** and **Mix** relate to the device currently playing, they will not apply to any subsequent device.

The 3.5mm AUX socket allows additional equipment (e.g. personal stereos MP3 player, hand-held navigation unit, etc.) to be connected to the audio system.

**Note:** iPod shuffle may be connected via the AUX socket.

**Instructional video** - AUX device.



E151488

**Instructional video** - Bluetooth device.



E151790

**Instructional video** - iPod device.



E151791

**Instructional video** - USB device.



E151792

## PLAYING A PORTABLE DEVICE

If you are using a USB mass storage device or approved iPod, you can control playback using the touch screen controls.

If you are using a Bluetooth® device, you can control playback using the touch screen, but some controls are unavailable.

If you are using any portable media device via the AUX socket, then you must control playback from the device itself.

### **NOTICE**

*Jaguar does not recommend the use of a Hard Disc Drive via the USB link while the vehicle is in motion. These devices are not designed for in car use and may be damaged.*

## CONNECTING MULTIPLE DEVICES

### **NOTICE**

*Do not plug non-audio devices into the USB port.*

You can connect multiple devices simultaneously to the portable media interface and switch between them using the touch screen. Select **iPod**, **USB**, **Bluetooth** or **AUX**, to switch between modes.

The device docked first will remain the active device until you choose to change.

If, after changing to the newly-docked device, you change back to the first device, play will resume at the point you left it (USB and iPod only).

**Note:** *You cannot use a USB hub to connect more than one USB device to the audio unit.*

**Note:** *Devices connected to the iPod and USB ports will be charged, but devices that are fully discharged will not play.*

**Note:** *Options such as **Repeat** and **Shuffle** relate to the device currently playing; they will not apply to any subsequent device.*

## PAIRING AND CONNECTING USING THE MEDIA PLAYER

For further information on Bluetooth®, see **112, BLUETOOTH® INFORMATION**.

**Note:** *The process of pairing and connecting your media device with the vehicle, using the media device, will vary depending on the type of media device.*

1. Switch on the ignition and ensure that the touch screen is active.
2. From the Home menu, select **Audio/Video**, then **My music +**, followed by **Bluetooth®**.
3. A menu will appear. Select **Change Device**.
4. Select **Device to vehicle** option.

**Note:** *The vehicle's Bluetooth® system is only discoverable for 3 minutes.*

5. Using the media device, search for Bluetooth® devices. On some media devices, this is referred to as new paired device. See your media device's operating instructions for further information.
6. When the vehicle's Bluetooth® system is discovered, follow the on-screen instructions. Select **Yes** when prompted, to confirm the pairing.

Either your device or the vehicle system will ask for a PIN (Personal Identification Number). When prompted, enter a PIN of your choice and select **OK** to confirm.

7. Enter the same PIN into the other device.
8. Once your device is paired and connected to the system, a confirmation message will be displayed, before switching to the **My music**, Bluetooth® screen.

**Note:** *Some media players do not automatically connect and need to be manually connected, via the device or by using the **Change device** option.*

# Portable media

## PAIRING AND CONNECTING USING THE TOUCH SCREEN

For further information on Bluetooth®, see **112, BLUETOOTH® INFORMATION**.

1. Switch on your device's Bluetooth® connection. Make sure that it is in Bluetooth® discoverable mode, sometimes referred to as find me mode (see your device's operating instructions for more information).
2. Switch on the ignition and ensure that the touch screen is active.
3. From the Home menu, select **Audio/Video**, then **My music**, followed by **Bluetooth®**.
4. A menu will appear. Select **Change Device**.
5. Select **Vehicle to device**.
6. Identify your device from the displayed list and select the corresponding **Pair and connect** option.

***Note:** If more than 5 devices are detected, it may be necessary to use the scroll bar to see the entire list.*

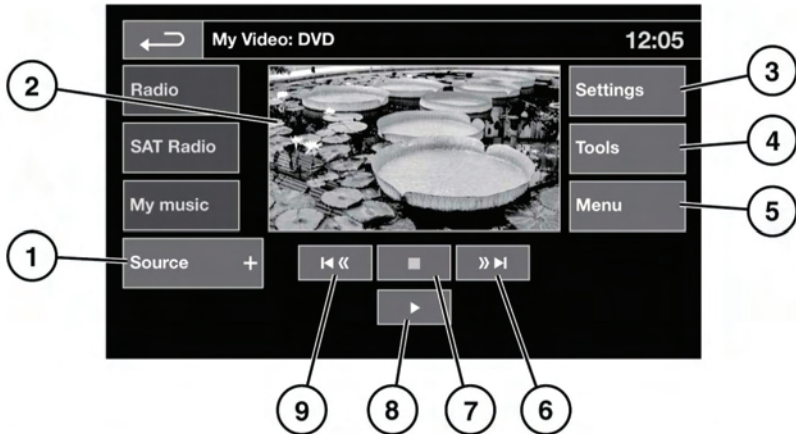
7. When prompted, enter the PIN (Personal Identification Number) code into your device. See your device's operating instructions for more information.
8. Once your device is connected to the system, a confirmation message will be displayed, before switching to the **My media**, Bluetooth® view.

***Note:** Due to the duration of a Bluetooth® search, it is advised that the time-out to home screen feature is switched off before attempting to search for Bluetooth® devices. This setting can be changed within **Set-up, Screen, Time out home**.*

## CHANGING/DISCONNECTING A DEVICE

1. From the playback control menu, select **Settings**.
2. From the **Settings** menu, select **Register**.
3. Select **Disconnect**. A confirmation pop-up will appear and then you will be given the option to **Search new** or select a different device from the list of paired devices.

## VIDEO MEDIA PLAYER CONTROLS



5151296

### **⚠ WARNING**

**Do not adjust the touch screen, or allow the system to distract the driver, while the vehicle is moving. Driver distraction can lead to accidents, causing serious injury or death.**

1. Touch **Source** to view and select DVD or other forms of video media (CD/USB), provided that the relevant media is present. The selected option will be displayed.

**Note:** After 5 seconds without use, the My video menu will close.

2. Preview screen for video media information: Touch to select full screen mode.  
Short touch the screen again to view the controls at any time.  
To return to preview mode, touch and hold the full screen view.
3. **Settings:** Depending on the video media specification, there are 2 sub-menus within settings: **Options**, **VOD** (Video On Demand) and **Audio settings**.

**VOD** allows playing of DivX VOD content from a video media. The 8 digit registration code will be displayed when the VOD soft key is touched.

The player must also be registered with DivX.

4. **Tools:** The following options can be selected:
  - GOTO: The GOTO menu allows you to access specific parts of the video, by **Chapter** or **Title number**.
  - Subtitles.
  - Angle.
  - Audio.
  - Top menu.
5. **Menu:** Select to view the Video media menu. On some screens this may be replaced by a **Browse** soft key.
6. Seek up: Select to view the next DVD chapter or next chapter of the video media.
7. Select to pre-stop playback. A second touch will stop and reset the DVD.

# Video media player

8. Select to start/restart play.
9. Seek down: Select to view the previous DVD chapter or previous chapter of the video media.

**Note:** For information on the use of the audio/video controls on the audio unit and steering wheel, see **92, AUDIO/VIDEO CONTROLS**.

## VIDEO MEDIA INHIBIT WITH VEHICLE MOVING

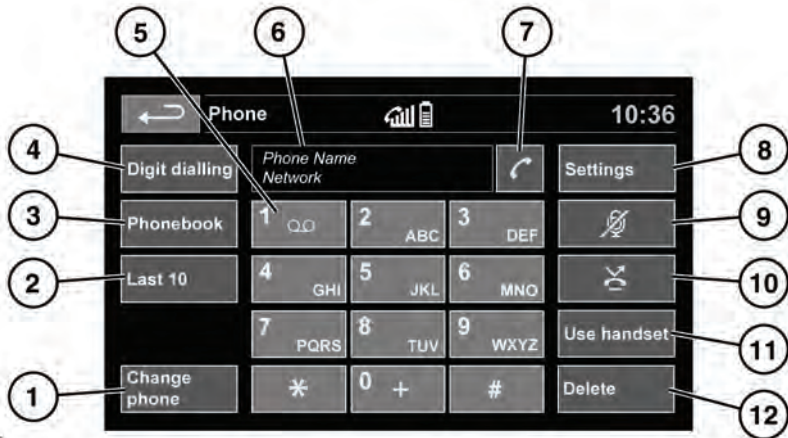
When the vehicle is moving the video picture will automatically be inhibited. The touch screen will display the **My video** screen and the relevant safety message will be displayed.

## FULL SCREEN VIEW

When full screen mode is selected, the seek controls operate in the same manner as they do in preview mode.

Use the relevant soft key to select the **4:3, 16:9** or **Zoom** option to magnify the picture.

## TELEPHONE SYSTEM OVERVIEW



E151070

### **⚠ WARNING**

**Do not adjust the main audio unit's controls, or allow the system to distract the driver, while the vehicle is moving. Driver distraction can lead to accidents, causing serious injury or death.**

To access the Phone screen, see **56, TOUCH SCREEN HOME MENU**.

- 1. Change phone:** Search new or change to another paired phone.
- 2. Last 10:** Access the last 10 dialed, received and missed calls.
- 3. Phonebook:** Access the downloaded phonebook.
- 4. Digit Dialing:** Access Digit Dialing mode.
- 5.** Touch and hold to retrieve your Voice mail.
- 6. Status display:** Displays the name and/or number dialed and call duration.
- 7. Call Connect/Disconnect icons:** Touch to send/accept or end/reject a call.
- 8. Settings:** Access Voice mail set up, Answer options and Phone options.

- 9. Mute microphone:** Initiate Privacy mode. While selected, the caller will not hear you talking.
- 10. Auto reject:** When active, any incoming calls will be rejected or diverted to voice mail (depending on cell phone settings).
- 11. Use handset:** Switch the call to your cell phone.
- 12. Delete:** Touch to delete the last entered digit, and hold to delete the whole entered number.

**Instructional video** - Using the phone.



E151490

# Telephone

## BLUETOOTH® INFORMATION



Bluetooth® is the name for short-range radio frequency (RF) technology that allows electronic devices to communicate wirelessly with each other.

The Jaguar **Bluetooth** wireless technology system supports **Bluetooth** Hands-Free Profile (HFP) Advanced Audio Distribution Profile (A2DP) and Audio Video Remote Control Profile (AVRCP).

***Note:** HFP and A2DP/AVRCP profile can be connected independently, so a phone can be connected via one, while a media device can be connected via the other, at the same time.*

Before making use of the vehicle's **Bluetooth** wireless technology phone system, your **Bluetooth** wireless technology device must be paired and connected to the vehicle system. See **113, TELEPHONE COMPATIBILITY**.

Each time the ignition is switched on, the system will attempt to connect with the last connected phone.

As cell phones have a wide range of audio and echo characteristics, it may take a few seconds for the vehicle system to adapt and deliver optimum audio performance. To achieve this, it may be necessary to reduce the in-vehicle volume and ventilation fan speed slightly.

## TELEPHONE SAFETY

### **⚠ WARNING**

**Even when using the Bluetooth hands-free feature, use of your cell phone while you are driving is dangerous, as it diverts attention from the traffic situation. If you wish to use your cell phone, stop at an appropriate place where you are not endangering or inconveniencing other vehicles.**

### **⚠ WARNING**

**Drivers should only talk on their cell phones when it is safe to do so and when such use will not distract the driver from the road.**

### **⚠ WARNING**

**Drivers should never text message while driving. Texting while driving diverts attention from the road and can lead to accidents, causing serious injury or death.**

### **⚠ WARNING**

**Switch off your cell phone in areas with a high explosion risk. This includes filling stations, fuel storage areas or chemical factories, as well as places where the air contains fuel vapor (such as an open vehicle hood), chemicals or metal dust. The cell phone could trigger an explosion, or cause a fire.**

### **⚠ WARNING**

**The functioning of cardiac pacemakers or hearing aids may be impaired when the phone is in use. Check with a doctor or manufacturer whether any such devices you or your passengers are using, are sufficiently protected against high-frequency energy.**

### **⚠ WARNING**

**Always stow your cell phone securely. In an accident, loose items can cause injury.**

The Health Industry Manufacturers' Association recommends that a minimum separation of 6 inches (15 centimetres) is maintained between a wireless phone antenna and a pacemaker, to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by, and recommendations of, Wireless Technology Research.



## TELEPHONE COMPATIBILITY

Refer to the Ownership section of the Jaguar website at [www.jaguar.com](http://www.jaguar.com), for a list of compatible phones and pairing methods.

**Note:** *The Bluetooth® wireless technology equipped phones listed, have been tested for compatibility with Jaguar vehicles.*

*Performance will vary, based on the phone's software version, battery condition, coverage and your network provider. Phones are warranted by their manufacturer, not Jaguar.*

If the cell phone supports **Bluetooth** Hands Free Profile 1.5 (HFP 1.5), additional features will be displayed on the vehicle touch screen, such as battery meter, signal strength and network operator.

**Instructional video** - Bluetooth connectivity website.



## PAIRING AND CONNECTING USING THE PHONE

**Note:** *The process of pairing and connecting the phone with the vehicle, will vary depending on the type of cell phone used.*

1. Switch the ignition system on and ensure that the touch screen is active.
2. From the Home menu, select **Phone**.
3. A menu will appear. Select **Search new**.
4. Select **Device to vehicle** option.

**Note:** *The vehicle's Bluetooth® system is discoverable for only 3 minutes.*

5. Using the cell phone, search for **Bluetooth** wireless technology devices.

On some phones, this is referred to as new paired device. See your phone's operating instructions for further information.

6. When the vehicle's **Bluetooth** wireless technology system is discovered, follow the on-screen instructions. Select **Yes** when prompted, to confirm the pairing.

Either the phone or the vehicle system will ask for a PIN (Personal Identification Number). When prompted, enter a PIN of your choice and select **OK** to confirm.

7. Enter the same PIN into the other device.
8. Once your phone is paired and connected to the system, a confirmation message will be displayed before switching to the **Digit Dial** screen.

**Note:** *Some cell phones require the Bluetooth wireless technology pairing to be set as 'authorized' or 'trusted' in order to automatically connect. Please refer to your phone's operating instructions for further information.*

**Instructional video** - Pairing a Bluetooth device to the vehicle.



## PAIRING AND CONNECTING USING THE TOUCH SCREEN

1. Switch on the cell phone's **Bluetooth**® wireless technology connection using the phone's menu. Make sure that the cell phone is in **Bluetooth** wireless technology discoverable mode, sometimes referred to as find me mode (see the phone's operating instructions for more information).

# Telephone

2. Switch the ignition on and ensure that the touch screen is active.
3. From the Home menu select **Phone**.
4. A menu will appear. Select **Search new**.
5. Select **Vehicle to device** option.
6. Identify your phone from the displayed list and select the corresponding **Pair and connect** option.

**Note:** *If more than 5 phones are detected, it may be necessary to use the scroll bar to see the entire list.*

7. When prompted, enter the PIN code into your phone. See your phone's operating instructions for more information.
8. Once your phone is paired and connected to the system, a confirmation message will be displayed before switching to the **Digit Dial** screen.

**Note:** *Due to the duration of a Bluetooth wireless technology search, it is advised that the timeout to home screen feature is switched off before attempting to search for Bluetooth wireless technology devices. This setting can be changed from within the vehicle **Setup** menu, accessed from the touch screen Home menu.*

**Instructional video** - Pairing the vehicle to a Bluetooth device.



## CHANGING THE CONNECTED PHONE

Up to 10 cell phones can be paired with the vehicle in the same way. However, only one can be connected as a phone at any one time.

To connect a different paired phone to the vehicle, follow the steps below:

1. From the Home menu, select **Phone**.
2. A menu will appear. Select **Change phone**.
3. Identify and select your phone from the displayed list.
4. Once your phone is connected to the system, a confirmation message will be displayed before switching to the Digit Dial screen.

## TELEPHONE SYSTEM ICONS



Connect. Use to send or accept a call and access last 10 calls list.



Disconnect. Use to end or reject a call.



No phone connected.



Phone signal strength indicator.



Phone battery level indicator.



Bluetooth®. Indicates that a Bluetooth wireless technology device is connected.



Tick. Indicates that a Bluetooth wireless technology device is paired.



Voicemail. Press and hold to dial the stored voicemail number.

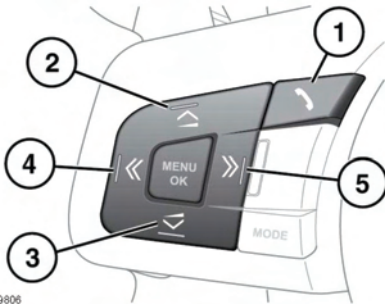


Scroll bar up arrow. Use to scroll up lists of detected phones, calls or phonebook entries.



Scroll bar down arrow. Use to scroll down lists of detected phones, calls or phonebook entries.

## STEERING WHEEL CONTROLS



E149806

1. Press to answer an incoming call. Press to end a call. Press and release to dial a number/contact. Press and release to access the last 10 dialed list. Press and hold to access the phonebook list view.
2. Increase the volume when in a call, scroll up a displayed list or number listed for a stored contact.
3. Decrease the volume when in a call or scroll down a displayed list or number listed for a stored contact.
4. Press to scroll to the last 10 list and received calls.
5. Press to scroll back through received calls, the last 10 list and finally to exit the list.

**Note:** When scrolling through a phonebook or the last 10 list, each contact is also displayed in the Message center.

## CALL VOLUME

The phone call volume is operated by the audio system's volume control.

If the audio system is in use when a phone call is active, the audio system source is suppressed for the duration of the call. Navigation instructions and parking aid warnings are not suppressed.

## PHONEBOOK

Contacts stored in the memory of a paired phone can be automatically downloaded to the vehicle's phonebook each time the phone is connected to the system. See **113**, **TELEPHONE COMPATIBILITY**.

Certain cell phones store the phonebook in 2 different areas, the SIM card and the phone memory. The vehicle system will access only those numbers stored in the phone memory.

To access contacts from the phonebook:

1. From the Phone menu, select **Phonebook**.
2. Using the alpha keys, select the letter you wish to search under. Repeated selections of the same key, scrolls through the letters displayed on the keys.
3. Select **List** to view the phonebook.
4. Identify the required contact from the displayed list and touch to call. If a contact has more than one number stored, select the required number from the list.

**Note:** It may be necessary to use the scroll bar to see the entire list.

There are also options to view more contact information, by selecting the corresponding **i** key.

# Telephone

If your phone supports contact type data, you will be able to see a contact type icon in the vehicle's phonebook directory. These can be seen on the right-hand side of each contact in the directory and will indicate one of the following types:



Default.



Cell phone.



Home.



Work.

## DECLARATION OF CONFORMITY

### Export controls

This product contains commodities, technology or software exported from the United States in accordance with the Export Administration regulations. Diversion contrary to U.S. or Canadian law is prohibited.

### United States of America

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### Canada

This device complies with Industry Canada Standard IC - RSS-210. Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC Radio Frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC Radio Frequency (RF) Exposure rules. This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE).

But it is desirable that it should be installed and operated with at least 20cm (8 inches) and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

USA FCC ID: A269ZUA130

Canada IC: 700BIAM2101

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

**Note:** *This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.*

*This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.*

*If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

# Navigation system

## THE NAVIGATION SYSTEM

Navigation instruction is by map and turn information displayed on the touch screen and can be complemented by voice guidance if required. A detailed intersection map is also displayed in the instrument panel. The system uses signals from Global Positioning System (GPS) satellites combined with information from vehicle sensors and from data stored on the hard drive, to establish the true vehicle position.

**Note:** Mapping data loaded on the hard drive is relevant to the market in which the vehicle is first sold and will provide guidance and information only for that area. Your local Dealer/Authorized Repairer will have details of software updates. Map updates can also be acquired from the Ownership section of the jaguar website at: [www.jaguar.com](http://www.jaguar.com).

Using this combination of data sources the vehicle navigation computer enables you to plan and follow a route map to your desired destination.

The touch screen is used to control navigation via menus, text screens and map displays.

The requirements of national Road Traffic Regulations always apply.

Observation of traffic signs and local traffic regulations always take priority.

The navigation system serves solely as an aid to navigation. In particular, the navigation system cannot be used as an aid to orientation when visibility is poor.

GPS signals may occasionally be interrupted due to physical barriers such as tunnels and roads under raised highways.

However, direction and speed sensors on the vehicle will minimize any adverse effect on the navigation system. Normal operation will resume once the obstruction has been passed.

**Note:** Some types of body mounted accessories (for example, external luggage compartment stowage devices) may affect the performance of this system.

Under certain conditions it is possible for the vehicle position shown on screen to be incorrect. This may happen when:

- Driving on a spiral ramp in a building.
- Driving on or beneath elevated roads.
- Two roads are close and parallel.
- The vehicle is transported to another destination.
- After the vehicle is rotated on a turntable.
- After vehicle battery disconnection.

## USING THE NAVIGATION SYSTEM

### **⚠ WARNING**

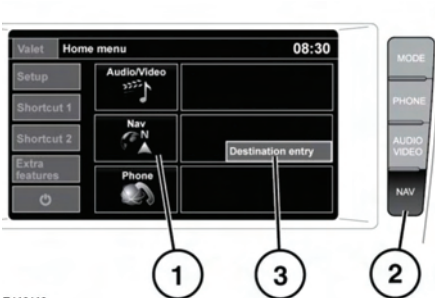
In the interests of safety, only operate, adjust or view the system when it is safe to do so.

### **⚠ WARNING**

The navigation system is not a substitute for driving safely, with due care and attention. Drivers should not assume that a feature will correct errors in judgement in driving. The navigation system may not function properly in all circumstances.

### **⚠ WARNING**

Do not allow the system to distract the driver while the vehicle is moving. Driver distraction can lead to accidents causing serious injury or death.



E149149

From the **Home menu** touch the **Navigation** soft key (1). Alternatively, press the **NAV** button on the fascia (2). A **Caution** screen will be displayed.

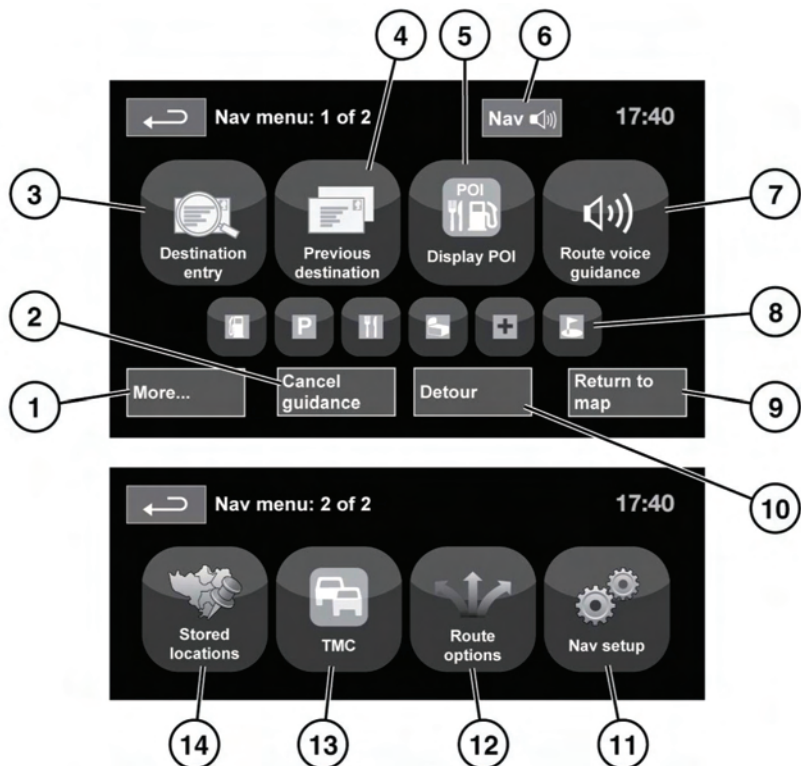
After touching **Continue**, the touch screen will display the previously displayed map view. This will show the current vehicle position. Touch the **Nav menu** soft key to display the main menu screen.

At this point, the first time user should set up personal preferences in the **Nav set-up** area. These settings are applied whenever navigation is used.

For a short-cut to set a destination, press **Destination entry** (3). The Destination entry menu will be displayed after pressing **Continue** on the **Caution** screen.

# Navigation system

## MAIN MENU



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### **WARNING**

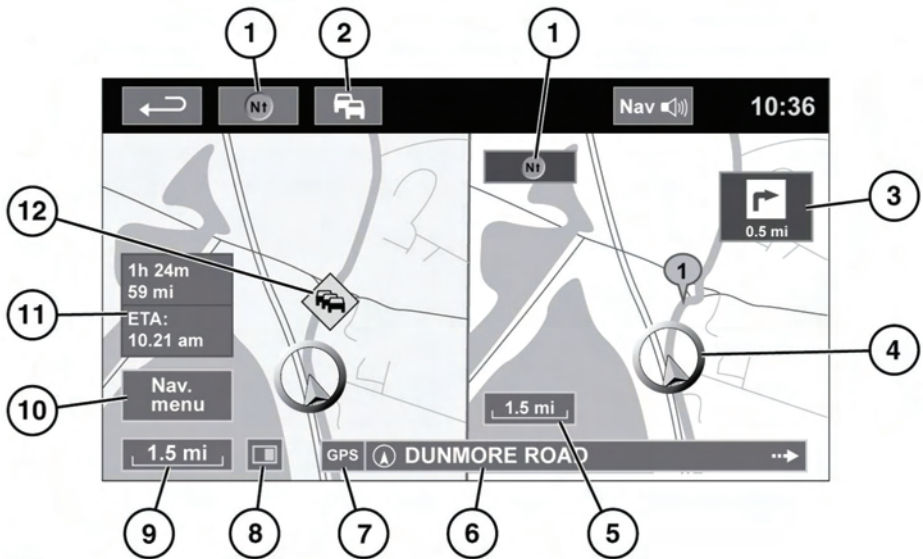
Do not adjust the touch screen controls, or allow the system to distract the driver, while the vehicle is moving. Driver distraction can lead to accidents, causing serious injury or death.

1. **More...:** Displays the other Nav menu screen.
2. **Cancel guidance:** Cancels current route guidance.
3. **Destination entry:** Provides a choice of options for entering a destination.
4. **Previous destination:** Displays previous destinations entered.
5. **Display/Hide POI:** Turns the POI (Point Of Interest) icons on the map on/off.
6. When a destination is set, the Jaguar logo is replaced by a soft key which enables the last voice instruction to be repeated.
7. **Route voice guidance:** Allows the voice guidance messages to be turned off for the current journey. The soft key is highlighted while voice guidance is enabled.
8. **POI shortcuts:** Touch icon to list available POIs close to the vehicle position.



- 9. Return to map:** Advances to the main map screen.
- 10. Detour:** Allows a detour from the current route.
- 11. Nav setup:** Settings for the navigation system.
- 12. Route options:** Allows selection of various options for the route.
- 13. TMC (Traffic Message Channel):** Not used for entering a destination but, when enabled, will provide data about road conditions and any events that may affect the journey.
- 14. Stored locations:** Manages the stored locations.

## MAP SPLIT SCREEN



E144618

- 1.** Screen orientation. Press to select: north up, 2D or 3D map style.
- 2.** TMC (Traffic Message Channel) signal. Without a diagonal bar, a signal is being received; with a diagonal bar, a signal is not being received. The icon will also change color depending on the status of traffic on the route.
- 3.** Next direction display. When intersection map view has been switched off, touch icon to view again.
- 4.** Current vehicle position and direction.
- 5.** Right map view, scale/zoom setting.
- 6.** Current location.
- 7.** GPS signal indicator.
- 8.** Screen mode.
- 9.** Left map view, scale/zoom setting.
- 10.** Opens Navigation menu 1 of 2 screen.
- 11.** Distance/time to destination.
- 12.** TMC event (traffic congestion).

# Navigation system



Touch to close the Intersection and Highway junction view. The previously displayed map is shown after closing.

## MAP AUTO ZOOM

Map zooms in automatically when approaching an intersection or freeway junction.

1. From the map screen, touch the left map view, scale/zoom soft key.
2. Touch the **Auto zoom** soft key. The soft key will be highlighted when auto zoom is enabled.

## SCREEN MODES

Touch the screen mode selection key to view a series of icons, each depicting a different screen mode (as detailed below). Touch the relevant icon to select the desired screen mode.



Full screen view.



Split screen view.



Shows list of turn directions on the right half screen.



Guidance screen: Shows detailed view of the next junction on highway or intersection view on non-highway roads, in the right half of screen.



Highway information: This view is only available when traveling on a highway. It displays automatically to show remaining highway exits along your route.

To turn off the Guidance or Highway information screens, proceed as follows:

1. From the **Nav menu**, touch **More....**
2. Select **Nav set-up**.
3. Touch **User settings**.
4. Touch **Guidance screen** or **Highway information** to deselect the option.
5. Touch **Ok** to confirm.

## SEARCH AREA

The navigation map database is divided into States and Provinces, called search areas. When setting a route, the destination (or waypoint) being entered, must be in the currently selected search area.

Before attempting to set a destination or waypoint, set the correct search area as follows:

1. Select **Destination entry** from the main navigation menu.
2. Touch **More....**
3. Touch **State**.
4. Scroll through the list and select the letter code that corresponds to the desired destination area.
5. Select **OK**. The destination entry menu is shown and the information window shows the currently selected search area.

## SETTING A DESTINATION

1. From the Navigation Menu, touch **Destination entry**.
2. Touch **Address** from the **Destination** screen and input the town name or zipcode.
3. Once sufficient letters have been entered, touch **Ok** or **List** to display all the possible towns.

4. If necessary, use the scroll arrows to the left of the list to search up or down. Select the town you require.
5. Now enter the road name. Once sufficient letters have been entered, touch **Ok** or **List** to display all the possible roads.
6. Select the road you require. Enter the house number of the address (if known) then touch **Ok** to confirm.
7. If the house number is not known, select **Ok**, the mid-point of the road is then used as the destination.
8. The map screen showing the selected destination details is displayed. Touch **GO** to calculate the default quick route, or **Review route** for alternative routes.
9. Touch **GO** to start trip.

**Instructional video** - Entering a destination.



## START GUIDANCE

After selecting a **Destination**, the system will calculate the route.

1. There is now a choice to select **3 Routes**, **Change route** or select **GO**, to start navigation guidance.
2. Touch **3 Routes** to display a choice of 3 different route options on the map. The roads on the map are drawn in 3 different colors to highlight each route.
3. Select route **Quick**, **Short** or **Alt.** by touching the respective box displayed on the right side of the map.

4. Touch **Change Route** followed by **Route preferences** to change the route settings. Press **Ok** for changes to take effect. If a destination is already set, touch **Waypoint** to add a waypoint in the journey if required.
5. When you have made your selection, if any, touch **GO**.

***Note:** As you approach an intersection, in addition to the voice guidance, an inset on the map will display an enlarged view of the intersection.*

## AVOID POINTS

When calculating a route, an area to avoid can be set and stored.

1. From the **Nav menu**, touch **More....**
2. Select **Stored locations**.
3. Select **Avoid points**.
4. Select **Add**.
5. Select the location of area to avoid from the **Destination entry** menu. Touch **Ok** to activate the view where the size of the area to avoid can be set.
6. Touch **Ok** to activate the area to avoid. The size of the area can be adjusted by using the '+' or '-' symbols.
7. Touch **Ok**, the area to avoid is now set and stored.

To edit or delete an area to avoid from the stored list.

1. From the **Nav menu**, select **Stored locations**.
2. Select **Avoid points**.
3. From the sub menu, select **Edit** or **Delete**.

# Navigation system

## EASY ROUTE

In Route options, Easy Route can be turned On or Off.

When **On** is selected, **Easy Route** changes the calculation parameters of **Route 3** in order to reduce:

- Junctions.
- Turns.
- Turns that cross traffic.
- The priority of minor roads.
- Complex junctions and maneuvers.

## LEARN ROUTE

In Route options, Learn Route can be turned On or Off.

When **On** is selected, if you make the same deviation from the proposed route 3 times, then the system will memorize the deviation and offer that as the normal route from then on. Select **Reset all routes** to delete any learnt routes and return to the default settings.

## VOICE GUIDANCE

To turn voice guidance on or off but maintain route guidance, proceed as follows:

1. Touch **Nav Menu** on the navigation screen.
2. Touch the **Route voice guidance** soft key. The soft key will be highlighted when voice guidance is enabled.

**Instructional video** - Voice guidance.



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## CANCEL ROUTE GUIDANCE

To cancel route guidance, proceed as follows:

1. Touch **Nav menu** on the navigation screen.
2. Touch the **Cancel guidance** soft key.

## QUICK POI SELECTION

1. Touch the Map to display the additional options
2. Touch the **Point of interest** (POI) soft key.
3. The screen shows 6 suggested categories, 5 of which can be selected as quick points of interest.
4. Select a Quick POI category, or touch **More** to see further POIs. Touch **Ok** to confirm a selection.
5. The map with the POI icon(s) is displayed. Scroll the map to the POI icon, then touch **Set destination** to set and calculate route.
6. Touch **GO** to start trip.

## RESTORE SYSTEM DEFAULTS

From the Nav menu, select Nav setup. If you have made any changes to the system's default settings, use this menu to restore the original settings.

## FAVORITES

This enables you to manage destinations such as, place of work, home, favorite restaurant.

From the favorites sub menu in stored locations, you can save up to 400 stored favorites.

Use favorites to add your home address as a stored favorite.

1. From the **Nav menu**, touch **More....**
2. Select **Stored locations**.
3. Touch **Favorite**.

4. To store a favorite, select **Add** from the submenu.
5. Select any destination entry method and confirm desired location.

**Instructional video** - Favorites.



## FAVORITES DETAILS

1. From the Stored locations menu, select Favorite.
2. Select **Edit** or **Delete**.
3. Touch the selected favorite to display the details.
4. Select the chosen detail to edit. Details include: Attribute, Name, Phone number, Location and Icon.

## HOME

1. From the Nav menu, select Stored locations.
2. Touch **Home location**.
3. To store a home location, select **Add** from the submenu.
4. Select any destination entry method to set your home location. Touch **Ok** to confirm.
5. Touch **Ok** from the favorite summary, home location is now set.

## EMERGENCY

Not all countries have this facility.

1. Touch **Emergency** on the **Destination entry** screen to display a list of local police stations, hospitals or Jaguar Dealerships.

2. Press **Name** to display the list in alphabetical order or **Distance** to display the list in order of proximity to the current vehicle location.
3. Touch the name of the facility to set it as a destination or waypoint.

## MAP

Scroll the map to the area of your destination or waypoint, zooming in if required.

This location can be stored as a favorite, destination or waypoint.

## COORDINATES

From the navigation menu, select **Destination entry**. Select **More...** and then **Coordinates**.

If you know the coordinates of your destination they can be entered from this screen. The full latitude must be entered first before the longitude coordinates can be entered.

When the coordinates have been entered, touch **Ok**.

If the coordinates entered are not contained within the area covered by the available maps, a message will be shown. This can also occur if the incorrect coordinates have been entered.

## RECALLING A PREVIOUS DESTINATION

1. From the **Nav menu**, touch **Previous destination**.
2. Touch your previous destination from the list. The map showing the selected destination is displayed.
3. Touch **GO** to start trip.

# Navigation system

## HIGHWAY

1. From the Nav menu, touch Destination entry.
2. Touch **More....**
3. Touch **Highway Entry/Exit.**
4. Enter the highway name or number, or select from **List.**
5. Touch **Entrance** or **Exit.**
6. Enter the entrance or exit name for the chosen highway, or select from **List.** The map showing the selected highway and junction is displayed.
7. Touch **GO** to start trip.

## POINTS OF INTEREST (POI)

1. From the Nav menu, touch Destination entry.
2. Touch **More....**
3. Touch **Point of interest.**
4. Touch **POI name** and touch **Ok** to confirm.
5. Enter POI name, or select from **List.**
6. Alternatively, choose **Category** to see all categories of POI and make your selection. See **127, CATEGORIES AND SUB-CATEGORIES.**
7. To narrow the search area, touch **Town** to enter a town name
8. Once the POI has been selected, the map showing the selected destination is displayed.
9. Touch **GO** to start trip.

**Note:** If entering a POI name results in too many matches being listed, try entering the town name first. If you do not know the name of the POI you want, try selecting a POI category.

**Note:** POI icons can only be displayed up to the ½ mile (1 km) zoom level.

**Instructional video** - Points of interest.



## LOCAL POI SEARCH

Use to select points of interest close to the vehicle position.

1. From the **Nav menu**, touch **Destination entry.**
2. Touch **More....**
3. Touch **Point of interest.**
4. Touch **POI near current** and touch **Ok** to confirm.
5. Select POI category, if required select again from sub-category and touch **Ok** to confirm.
6. Touch **Show List** or **Select Category** to make further selections.  
**Note:** Up to 5 categories can be chosen to select a POI from.
7. Select your POI destination from the list. The map showing the selected destination is displayed.
8. Touch **GO** to start trip.

## DEALER LOCATIONS

Details of Jaguar Dealers are held on the Navigation System as a point of interest category. See **126, LOCAL POI SEARCH.**

## CATEGORIES AND SUB-CATEGORIES

The POI database is divided into a number of categories. Each main category is further divided into a number of sub-categories.

Touch the desired category, then choose desired sub-categories.

## MY POI

Additional POIs can be downloaded and added to the list. The system can store up to 50,000 'My POIs', in up to 100 groups (whichever comes first).

Free POIs can be found on the internet and downloaded into the system. The name of the imported file will be displayed as a group name. Imported icons will be displayed on the map. In order for a file or icon to be successfully downloaded, the following conditions must exist:

- The POI file must be in a .gpx format, version 1.1.
- The POI file name must not contain the following characters; -, /, :, \*, ", <, >, or |.
- The POI file name must not exceed 35 characters.
- The icon file name must match the POI file name.
- The icon size must not exceed 32x32 dots.
- The icon format must be a bitmap (.bmp) or jpeg (.jpg).

To download files or icons, connect a USB device containing the POIs. See **105**, **CONNECTING A DEVICE**.

1. From the **Nav menu**, touch **More....**
2. Select **Stored locations**.
3. Touch **My POI**.
4. Select **Add** to individually select each POI group to be downloaded. Select **Edit** to change **Name**, **Icon** or **Sound icon**. Or select **Delete**.

## RBDS-TMC OVERVIEW

Radio Data System-Traffic Message Channel (RBDS-TMC) is a feature that announces traffic hold-ups on your route as broadcast by radio stations that transmit TMC information.

Touch the **TMC** button on the Navigation Menu to access the TMC menu.

TMC events ahead on route can be displayed by touching the **Events ahead** soft key. TMC can be set to display on the map for all events, for major events or can be switched off. During route calculation, it can be set to avoid TMC events along the route.

### Instructional video - TMC.



## RBDS-TMC DISPLAY

When a TMC signal is received the icon along the top of the screen will appear green. If a TMC signal is not being received, the icon will be shown with a bar through it.

The system will inform the driver of any reported roadworks, narrow road, contraflow, accidents, slippery road, diversion information, parking information, congestion or other hazard.

The driver is informed of a traffic event as follows:

- A TMC Event icon shown on the map at the location of the event.
- Text can be displayed showing the details of each occurrence which can be selected either by touching the screen icon or from the traffic information list.

# Navigation system

- Dynamic route guidance, which calculates an alternative route when the system receives the traffic event warning affecting the route currently set in the navigation system.
- Traffic event list shows all events sorted by road name/ distance on your selected route.

The information regarding the hold-up is maintained and updated even if the vehicle crosses into another country.

## RBDS-TMC ICONS




Any traffic event (broadcast on TMC) in your area, will be displayed as a warning icon on the map and an alert may be displayed as a message giving the road number(s) and between which junctions the hold-up or event occurs.





This data is stored in the system for up to 30 minutes.

The color of the TMC icon changes in order to show the type and priority of a TMC event. The background color of the icon returns to normal when there is no longer an event or hold-up, or if any re-route instructions are calculated.

The TMC Event icons appear on the navigation map display to indicate the location and nature of a TMC event.

TMC Event icons will appear on the map, even if the event does not occur on your route.

-  Incident (Red star)
-  Traffic congestion ahead (Red arrow)
-  Moving traffic congestion, both lanes (Red double arrow)

-  Slow traffic ahead (Yellow arrow)
-  Slow traffic both lanes (Yellow double arrow)
-  Information (Yellow circle)
-  Incident (Yellow star)

**Note:** Single arrow icons indicate that the traffic event affects traffic traveling in the direction of the arrow. Double arrows indicate that both directions are affected.

If the map is scrolled to any of the above events, further details are available and are indicated as one of the following icons.

-  Closed road
-  Special warning (orange triangle)
-  Danger (red triangle)
-  Stationary traffic
-  Congestion
-  Delay
-  Diversion
-  Contraflow (reversible lane)
-  Event





Height width limit

## USING TMC

Dynamic route guidance will calculate an alternative route to avoid a traffic event when the system receives an event warning. The system calculates a new route for all sections. However, if any way points are set, the system calculates for the next waypoint. If the event on route is serious (closed road) or if the new route is shorter than the current one and the current one was not recalculated within the last 5 minutes, then a message to confirm the new route will be displayed. This pop-up message will be displayed for 5 minutes and if the new route is not rejected, then the vehicle will stay on the current route.

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## SAFETY PRECAUTIONS

### **⚠ DANGER**

Do not smoke, use a naked flame or cause sparks while refueling. The resulting fire and/or explosion may cause serious injury or death.

### **⚠ WARNING**

Avoid exposing the gasses to any potential sources of ignition as the resulting fire and explosion may cause serious injuries and/or death.

### **⚠ WARNING**

Switch off the engine when refueling, as it is both a source of extreme temperatures and electrical sparks. Failure to do so may cause a fire or explosion.

### **⚠ WARNING**

Switch off any personal electronic devices such as cell phones, or music players. They have the potential to trigger an explosion or a fire.

### **⚠ WARNING**

Do not overfill the fuel tank. Overfilling may cause spillage when the vehicle is driven. Spillage may also occur if the fuel expands in high ambient temperatures.

### **NOTICE**

Do not use leaded fuels, lead substitutes or fuel additives.

### **NOTICE**

Fuel system cleaning agents should not be used, unless approved by Jaguar. Unapproved products may be harmful to fuel system components on your vehicle.

### **NOTICE**

Only use high quality fuel. Using lower quality fuels can damage the engine, fuel and emission control systems.

## OCTANE RATING

Premium unleaded gasoline with a Cost of Living Council (CLC) or Anti Knock Index (AKI) octane rating of 91 or higher should be used.

### **NOTICE**

*Even a very small amount of leaded fuel will damage your vehicle's emission control system and could invalidate the emissions warranty. In addition, leaded fuel will damage the oxygen sensors in the fuel injection system and also seriously damage the catalytic converter.*

**Note:** Federal law requires that gasoline octane ratings be posted on the pumps.

Using unleaded fuel with a lower than recommended octane rating, can cause a persistent, heavy engine knock (a metallic rapping noise). If severe, this can lead to engine damage.

**Note:** Mid or regular grade gasoline with a CLC or AKI octane rating of not lower than 87 may also be used, but performance and fuel economy will be reduced.

If heavy knock is detected, even when using fuel with the recommended octane rating, consult your Dealer/Authorized Repairer to have the problem corrected. Failure to do so is misuse of the vehicle, for which Jaguar Land Rover Limited is not responsible.

**Note:** An occasional light engine knock when accelerating or climbing hills is acceptable.

## ETHANOL

### **NOTICE**

*This vehicle is not suitable for use with fuels containing more than 10% ethanol. Do not use E85 fuels (85% Ethanol content). Equipment necessary for the use of fuels containing more than 10% Ethanol is not fitted to this vehicle. If E85 fuels are used, serious engine and fuels system damage will occur.*

# Fuel and refueling

Fuels containing up to 10% Ethanol (grain alcohol) may be used. Ensure that 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.

## METHANOL

### **NOTICE**

*Wherever possible avoid using fuel containing Methanol.*

Some fuels contain Methanol (Methyl or wood alcohol). If you use fuels containing Methanol the fuels must also contain co-solvents and corrosion inhibitors for Methanol. Also, do not use fuels which contain more than 10% Methanol even if they contain co-solvents and corrosion inhibitors. Fuel system damage or vehicle performance problems resulting from the use of such fuels is not the responsibility of Jaguar, and may not be covered under the warranty.

## METHYL TERTIARY BUTYL ETHER (MTBE)

Unleaded fuel containing an oxygenate known as MTBE can be used provided that the ratio of MTBE to conventional fuel does not exceed 15%. MTBE is an Ether based compound derived from Petroleum, which has been specified by several refiners as the substance to enhance the Octane rating of fuel.

## REFORMULATED GASOLINE

Fuels specially formulated to further reduce vehicle emissions are available from some petroleum companies. Jaguar recommends the use of reformulated gasoline where available.

## RUNNING OUT OF FUEL

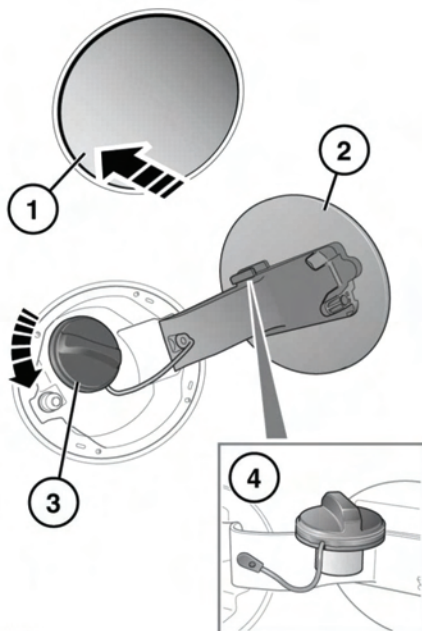
### **NOTICE**

*Avoid running out of fuel.*

If the vehicle does run out of fuel, a minimum of 1.1 U.S. gallons (4 liters) will be required to restart the engine. The vehicle should be left with the ignition on for 5 minutes after refueling before attempting to restart the engine.

**Note:** *If the vehicle does run out of fuel, seeking qualified assistance is advisable.*

## FUEL FILLER FLAP



E149660

The vehicle must be unlocked using the Smart key before the filler flap can be opened.

1. Press and release the flap (in the area indicated) to unlatch.

2. Pull the flap open. The label on the inside of the flap indicates the correct fuel for the vehicle.
3. Twist the cap counter-clockwise to undo.
4. Stow the cap on the lip provided on the top of the hinge arm, as shown.

When replacing the cap, turn it clockwise until the ratchet clicks. Failure to do so may cause the Engine malfunction warning lamp to illuminate. If the warning lamp illuminates, ensure the cap is fitted properly.

To close the filler flap, push the flap until latched closed.

**Note:** *The filler flap will only be locked closed when the vehicle is centrally locked.*

## FUEL FILLER

### WARNING

Take note of all warnings and instructions given on the label affixed to the inside of the fuel filler flap. Failure to do so may result in injury or death.

### WARNING

When refueling make sure that the roof, windows and doors are fully closed, particularly if young children or animals are in the vehicle.

### WARNING

Do not attempt to fill the tank to its maximum capacity. If the vehicle is to be parked on a slope, in direct sunlight or high ambient temperature, expansion of the fuel could cause spillage, potentially leading to a fire or explosion.

### **NOTICE**

*Check the fuel pump information carefully to ensure that you are putting the correct fuel into the vehicle.*

### **NOTICE**

*If the vehicle is filled with incorrect fuel, it is essential that you seek qualified assistance before you start the engine.*

Fuel station pumps are equipped with automatic cut-off sensing to avoid fuel spillage. Fill the tank until the filler nozzle automatically cuts off the supply and do not attempt to fill the tank beyond this point.

## FUEL TANK CAPACITY

Avoid the risk of running out of fuel and never intentionally drive the vehicle when the fuel gauge indicates that the tank is empty. When refueling your vehicle after the fuel gauge reads empty, you may not be able to add the fuel quantity shown below, as there will be a small reserve remaining in the tank.

Total tank capacity (usable)	18.5 U.S. gallons (70 liters)
------------------------------	-------------------------------

## FUEL SPECIFICATION

**Gasoline:** Unleaded 91 Octane

## PARTS AND ACCESSORIES

### **⚠ WARNING**

The use of non-approved parts and accessories or carrying out non-approved alterations or conversions, may be dangerous and could affect the safety of the vehicle and occupants and also invalidate the terms and conditions of the vehicle warranty.

### **⚠ WARNING**

Jaguar Land Rover Limited will not accept any liability for death, personal injury or damage to property which may occur as a result of the use of non-approved accessories or the carrying out of non-approved conversions to Jaguar vehicles.

### **NOTICE**

*Your vehicle is not designed for use with a roof rack. Do not fit a roof rack to the vehicle, as damage may result.*

## AIR BAG SYSTEM

### **⚠ WARNING**

Certain components of this vehicle such as air bag modules and seat belt pretensioners may contain Perchlorate material - Special handling may apply for service or vehicle end of life disposal.

See: [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).

### **⚠ WARNING**

The components that make up the air bag system are sensitive to electrical or physical interference, either of which could easily damage the system and cause inadvertent operation or a malfunction of the air bag module.

To prevent malfunction of the air bag system always consult your Dealer/Authorized Repairer before fitting any of the following:

- Electronic equipment such as a cell phone, two-way radio or audio system.
- Accessories attached to the front of the vehicle.
- Any modification to the front of the vehicle.
- Any modification involving the removal or repair of any wiring or component in the vicinity of any of the air bag system components, including the steering wheel, steering column, instrument or facia panels.
- Any modification to the facia panels or steering wheel.

## OWNER MAINTENANCE

### **NOTICE**

*Any significant or sudden drop in fluid levels, or uneven tire wear, should be reported to a qualified technician without delay.*

### **NOTICE**

*This vehicle has a low kerb and ramp clearance. Take care when approaching low kerbs and steep ramps as these may cause damage to the lower parts of the bumper.*

In addition to the routine services and inspections, a number of simple checks must be carried out more frequently. These checks can be carried out by the owner and advice is given on the pages that follow.

## DAILY CHECKS

- Operation of lamps, horn, direction indicators, wipers, washers and warning indicators.
- Operation of seat belts and brakes.
- Look for fluid deposits underneath the vehicle that might indicate a leak. Condensation drips from the air conditioning is normal.

## WEEKLY CHECKS

- Engine oil level.
- Engine coolant check.
- Brake fluid level.
- Power steering fluid level.
- Windshield washer fluid level.
- Tire pressures and condition.
- Operate air conditioning.

*Note: The engine oil level should be checked more frequently if the vehicle is driven for prolonged periods at high speeds.*

## SAFETY IN THE GARAGE

### **⚠ WARNING**

If the vehicle has been driven recently, do not touch exhaust and cooling system components until the engine has cooled.

### **⚠ WARNING**

Never leave the engine running when the vehicle is in a garage. Exhaust gases are poisonous and can cause unconsciousness and death if inhaled.

### **⚠ WARNING**

Do not work beneath the vehicle with a jack as the only means of support.

### **⚠ WARNING**

Keep your hands and clothing away from drive belts, pulleys and fans. Some fans may continue to operate after the engine has stopped.

### **⚠ WARNING**

Remove metal wrist bands and jewellery, before working in the engine compartment.

### **⚠ WARNING**

Do not touch electrical leads or components while the engine is running, or with the ignition switched on.

### **⚠ WARNING**

Do not allow tools or metal parts of the vehicle to make contact with the battery leads or terminals.

## FUEL SYSTEM

### **⚠ WARNING**

Under no circumstances should any part of the fuel system be dismantled or replaced by anyone other than a suitably qualified vehicle technician.

### **⚠ WARNING**

Ensure sparks and naked lights are kept away from the engine compartment.

### **⚠ WARNING**

Wear protective clothing, including, where practicable, gloves made from an impervious material.

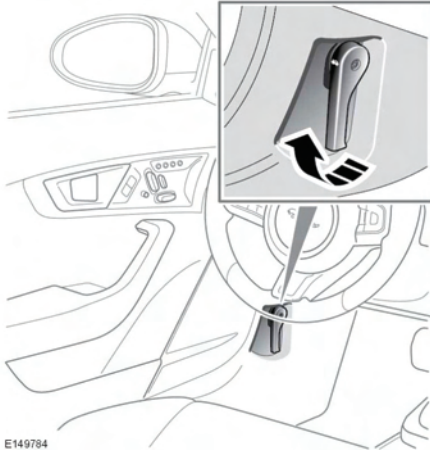
## USED ENGINE OIL

### **NOTICE**

*Prolonged contact with engine oil may cause serious skin disorders, including dermatitis and cancer of the skin. Always wash thoroughly after contact.*

# Maintenance

## OPENING THE HOOD



E149784

1. Pull the hood release handle located in the left-side footwell.
2. Reach across to the center rear edge of the hood and lift. The gas filled struts will assist raising the hood and retain it in the fully open position.

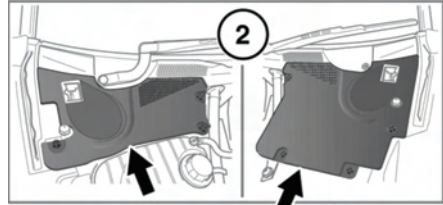
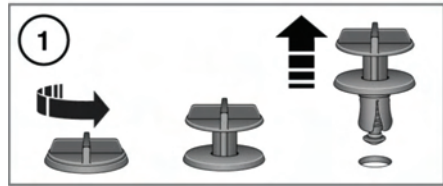
## CLOSING THE HOOD

### **⚠WARNING**

Before closing the hood make sure that no one is obstructing the closing area and that hands and clothes are clear.

1. Lower the hood to within a distance of 12 to 14 ins (300 to 350 mm) of the fully closed position, then release and allow the hood to shut.
2. Check that both catches are fully engaged by attempting to lift both sides of the rear outer edge of the hood. This should be free from all movement.

## UNDER HOOD COVERS - REMOVAL



E150717

1. Rotate the turnbuckle screws counter-clockwise, then pull to remove the turnbuckles securing the cover.
2. Lift the front edge of the cover and slide forwards to remove.

## UNDER HOOD COVERS - REFITTING

### **NOTICE**

Before refitting the under hood covers, ensure that no pipes, cables or other items, have been trapped between the cover and casing.

1. Place the cover over the casing and make sure the holes are aligned.
2. Press the cover down firmly and push the turnbuckles through the cover and casing. Rotate the turnbuckle screws clockwise to tighten.



## UNBLOCKING WASHER JETS

### **CAUTION**

Do not operate the washer jets during adjustment. Windshield washer fluid may cause irritation to the eyes and skin. Always read and observe the washer fluid manufacturers instructions.

If a washer jet becomes blocked, use a thin strand of wire to unblock the jet by inserting the wire into the jet. Ensure that the wire is completely removed after unblocking.

## CHANGING A BULB

Read the following Warnings and Notices before changing a bulb.

### **WARNING**

Always find a safe place to stop, off the highway and away from traffic.

### **WARNING**

Apply the parking brake and engage Park (P).

### **WARNING**

Make sure that all passengers and animals are out of the vehicle and in a safe place, away from the highway.

### **WARNING**

Place a warning triangle at a suitable distance behind the vehicle, facing towards oncoming traffic.

### **WARNING**

If the vehicle has been driven recently, do not touch exhaust system components until they have cooled.

### **WARNING**

If the lighting has just been switched off, give the bulbs time to cool. Handling them when hot may cause personal injury.

### **NOTICE**

Always replace bulbs with the correct type and specification, see **189, BULB SPECIFICATION**. If you are in any doubt, contact a Dealer/Authorized Repairer for advice.

### **NOTICE**

Before attempting to replace a bulb, make sure that both the affected lamp and the vehicle's ignition are turned off. If the circuit remains live, a short circuit can occur which may damage the vehicle's electrical system.

Only the following bulbs can be replaced:

- Reversing lamp (3.0L vehicles only).
- Rear fog lamp (3.0L vehicles only).

**Note:** All other lamps should be repaired and serviced by qualified personnel only, contact a Dealer/Authorized Repairer.

## XENON LAMPS

### **WARNING**

High voltage is required to ignite the gas and metal vapor which are used to power Xenon lamps. Contact with this voltage can cause serious injury. Replacement or maintenance of Xenon lamps should only be carried out by suitably qualified personnel.

### **WARNING**

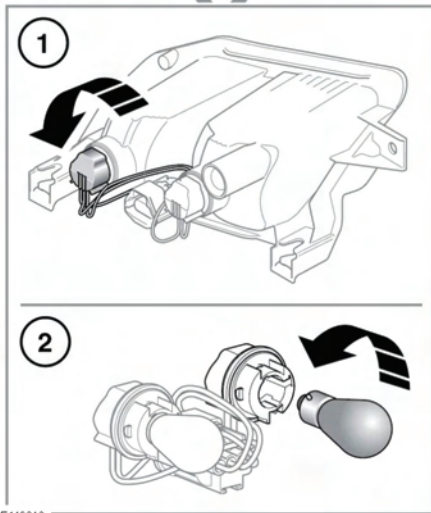
Xenon lamp units operate at a very high temperature. To avoid burns or serious injury, ensure that the lamp units have cooled before attempting to touch them.



Seek advice about the correct disposal of Xenon lamp units from a Dealer/Authorized Repairer, or your local authority.

# Maintenance

## REAR FOG LAMP BULB REPLACEMENT



E 149846

Access to the 3.0L vehicle's rear fog lamp housing is from underneath the rear bumper.

**Note:** The 5.0L vehicle has a light emitting diode (LED) bulb in the rear fog lamp. Removal of this lamp unit should only be attempted by a qualified technician. If in doubt, consult a Dealer/Authorized Repairer.

The bulb holder is a plastic unit that incorporates the bulb. No tools are required but a flashlight may be of use.

1. At the rear of the lamp unit, turn the bulb holder a small amount counter-clockwise, until resistance is felt then lightly pull to release. Lower the bulb holder as far as the attached wiring will allow.

**Note:** Prior to and during removal, note the bulb housing orientation to aid installation.

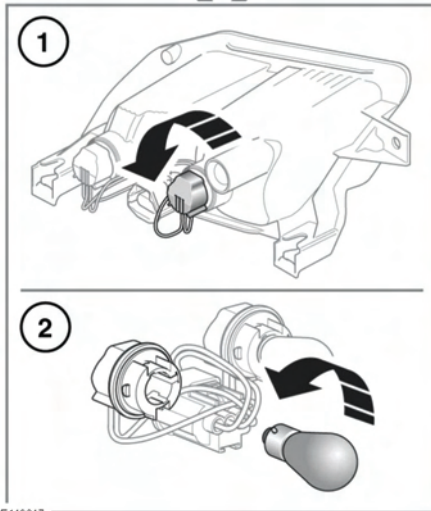
2. Remove the bulb from the holder by lightly pressing and turn a small amount counter-clockwise, until resistance is felt, then lightly pull.

**Note:** Note the orientation of the bulb alignment lugs during removal.

Reverse the removal process to install a new bulb and refit the bulb holder to the lamp unit.

See **189, BULB SPECIFICATION** for the replacement bulb specification list.

## REVERSE LAMP BULB REPLACEMENT



E149847

Access to the 3.0L vehicle's reverse lamp housing is from underneath the rear bumper.

**Note:** The 5.0L vehicle has a light emitting diode (LED) bulb in the rear fog lamp. Removal of this lamp unit should only be attempted by a qualified technician. If in doubt, consult a Dealer/Authorized Repairer.

The bulb holder is a plastic unit that incorporates the bulb. No tools are required but a flashlight may be of use.

1. At the rear of the lamp unit, turn the bulb holder a small amount counter-clockwise, until resistance is felt then lightly pull to release. Lower the bulb holder as far as the attached wiring will allow.

**Note:** Prior to and during removal, note the bulb housing orientation to aid installation.

2. Remove the bulb from the holder by lightly pressing and turn a small amount counter-clockwise, until resistance is felt, then lightly pull.

**Note:** Note the orientation of the bulb alignment lugs during removal.

Reverse the removal process to install a new bulb and refit the bulb holder to the lamp unit.

See **189, BULB SPECIFICATION** for the replacement bulb specification list.

## WINDOW RESET

The windows will need to be reset if the battery is disconnected, becomes discharged or power supply is interrupted.

Reset as follows:

1. Close the window fully.
2. Release the switch, then lift it to the close position and hold for 2 seconds.
3. Open the window fully.
4. Release the switch, then push it to the open position and hold for 2 seconds.
5. Lift and release the switch to operate the one-touch function.
6. Repeat the procedure on each window.

# Maintenance

## WARNING TRIANGLE

If supplied, the warning triangle is located in the luggage compartment, attached to an anchor point.

## FIRST AID KIT

If supplied, the first aid kit is strapped to the side of the luggage compartment.

## FIRE EXTINGUISHER

If supplied, fire extinguisher is located either in the luggage compartment, or mounted to the front passenger seat.

## REPAIRING MINOR PAINT DAMAGE

Regularly inspect the paintwork for damage. Any stone chips, fractures, or deep scratches, in the paint/bodywork should be repaired promptly. Bare metal will corrode quickly, and if left untreated can result in expensive repairs.

## CLEANING THE ALLOY WHEELS

### NOTICE

*Only use approved wheel cleaning products.*

## CLEANING THE EXTERIOR

### NOTICE

*Make sure the spoiler mechanism and drainage holes are kept clean and free of debris.*

### NOTICE

*Never use cleaning products that are not approved for use on vehicles.*

### NOTICE

*Make sure that you read and comply with all warnings and product instructions supplied with any cleaning products.*

### NOTICE

*Do not use a power wash system in the engine bay area as it may cause damage.*

### NOTICE

*Some high pressure cleaning systems are sufficiently powerful to penetrate door and window seals, and damage trim and door locks. Never aim the water jet directly at the engine air intake, heater air intakes, body seals or at any components which may be damaged.*

Do not aim the water jet directly at any rubber gaiters or seals on suspension joints.

Make sure that the water jet nozzle is more than 12 in (300 mm) away from vehicle components.

### Convertible roof:

Do not leave the convertible roof in the open (folded) position for longer than is necessary, as in certain circumstances permanent soiling along the folds may occur.

**Cleaning:** Every 1,000 miles (1,600 km) vacuum clean and wash the convertible roof. Your Dealer/Authorized Repairer will be able to recommend suitable products.

**Reproofing:** Every 5,000 miles (8,000 km) reproof the convertible roof material. Your Dealer/Authorized Repairer will be able to recommend suitable products.

## WASHING THE VEHICLE PAINTWORK

### NOTICE

*Substances which are corrosive can damage the vehicle's paintwork. Any such deposits should be removed as soon as possible to prevent damage.*

## USING AN AUTOMATIC WASH

### NOTICE

*Make sure the Deployable Rear Spoiler (DRS) is fully retracted before using a car wash or a pressure washer. See **80, SPOILER**.*

## **NOTICE**

*Make sure that the wipers are switched off before entering a car wash. If the rain sensitive wipers operate during the car washing process damage may occur to the wiper mechanism. See 44, WIPER OPERATION.*

## **NOTICE**

*Commercially operated automatic car washes, jet washes and power-operated mops, are not recommended.*

**Note:** Regular use of automatic car washes tends to dull the lustre of the paintwork.

After leaving the car wash, switch on the windscreen wipers immediately, to remove water and prevent a build up of wax.

## **UNDER HOOD CLEANING**

### **NOTICE**

*Do not use a high pressure washer or steam cleaner in the engine compartment.*

### **NOTICE**

*Ensure that the brake fluid reservoir is kept dry at all times. Only use a clean, dry cloth to clean the brake fluid cap and reservoir.*

## **CLEANING GLASS SURFACES**

Clean the rear window with a soft cloth to avoid damaging the heating element. Do not scrape the glass or use any abrasive cleaning fluid.

Mirror glass is particularly susceptible to damage. Wash with soapy water. Do not use abrasive cleaning compounds or metal scrapers to remove ice.

## **CLEANING THE REAR GLASS**

To avoid damaging the heating elements when cleaning the inside of the rear glass, use only a soft damp cloth or chamois leather. Do not use solvents or sharp objects to clean the glass.

## **REMOVING GREASE AND TAR**

Remove grease or tar with Jaguar Tar Remover or methylated spirit (alcohol). White spirit is also effective, but must not be applied to rubber, particularly the windshield wiper blades.

### **NOTICE**

*Ensure that after using methylated or white spirit, the area is washed immediately with soapy water, to remove all traces of spirit.*

## **POLISHING**

### **NOTICE**

*Chrome polish, or other abrasive cleaners, must not be used on the vehicle's brightwork.*

It is recommended that the vehicle is polished regularly using Jaguar polish and a polishing cloth.

## **CLEANING THE INTERIOR**

### **CAUTION**

**Some cleaning products contain substances that are harmful and can cause health problems if used incorrectly. They may also cause damage to the interior of the vehicle.**

### **NOTICE**

*The steering wheel center pad and other areas containing air bags should only be cleaned sparingly with a damp cloth, warm water and a non-detergent soap.*

## **CLEANING LEATHER UPHOLSTERY**

### **NOTICE**

*Some materials are prone to dye transfer, which can cause unsightly discoloration of lighter colored leathers. Affected areas should be cleaned and re-protected as soon as possible.*

# Maintenance

To prevent ingrained dirt and staining, inspect the seat upholstery regularly and clean every one to two months, as follows:

- Wipe off fine dust from the seat surfaces using a clean, damp, non-colored cloth. Change frequently to a clean area of cloth, to avoid abrasive action on the leather surface. Avoid over-wetting.
- If this is not sufficient, use a cloth which has been dampened with warm soapy water and then wrung out. Use only mild non-caustic soap.
- Use Jaguar Leather Cleaner for heavily soiled areas. Dry off and rub with a clean soft cloth, changing surfaces regularly.

Use Jaguar Leather Cleaner several times a year to maintain its appearance and suppleness. The cleaner will nourish and moisturize and help to improve the surface protective film against dust and substances.

- Do not use solvents. Do not use detergents, furniture polish or household cleaners. While these products may initially give impressive results, their use will lead to rapid deterioration of the leather and will invalidate the warranty. Jaguar recommend a basic set of products that have been specially selected for the type of leather in your vehicle.
- Dark clothing may stain leather seats just like other upholstery products.
- Sharp objects such as belts, zip fasteners, rivets, etc., can leave permanent scratches and scratch marks on the leather surface.
- Unless spillages such as tea, coffee or ink are washed away immediately, permanent staining may have to be accepted.

If a valet service is used, ensure that the specialist concerned is aware of, and follows, these instructions precisely.

## CLEANING FABRIC UPHOLSTERY

### **NOTICE**

*Never use soap, ammonia, bleach or other cleaners intended for use on hard surfaces.*

### **NOTICE**

*Do not use upholstery cleaner on electrical equipment such as fascia switches.*

### **NOTICE**

*When cleaning around electrical equipment such as switches, ensure that fluids do not leak into any gaps around the components or between panels or trim.*

Use Jaguar Upholstery Cleaner, following the instructions. Avoid over-wetting.

## REMOVING STAINS

Most stains on woollen fabric can be removed if treatment is carried out immediately, before the stain has a chance to dry-in.

Most stains can be treated with one of three cleaning fluids: Jaguar Upholstery Cleaner, dry cleaning fluid or clean water. Follow the instructions on the package.

## INSTRUMENT PANEL, CLOCK AND AUDIO EQUIPMENT

Only use a soft dry cloth to clean the instrument panel, clock and audio equipment. Do not use cleaning fluids or sprays.

## CLEANING THE TOUCH SCREEN

### **NOTICE**

*Do not use abrasive cleaners on the touch screen. For approved cleaning products, contact your Dealer/Authorized Repairer.*

## CARPETS AND MATS

Marks or stains can be removed by gentle scrubbing with a weak solution of soap and warm water.

For more stubborn stains a commercially available carpet cleaner should be used.

## CLEANING THE SEAT BELTS

### **⚠ WARNING**

**Do not allow any water, cleaning products, or fabric from cloths to enter the seat belt mechanism. Any substance which enters the mechanism may affect the performance of the seat belt in an impact.**

Extend the seat belts fully, then use warm water and a non-detergent soap to clean. Allow the seat belts to dry naturally while fully extended and do not allow the belts to retract until fully dry.

***Note:** While cleaning the seat belt, take the opportunity to examine the webbing for damage and wear. Any wear or damage should be reported to, and rectified by, a Dealer/Authorized Repairer.*

## AIR BAG MODULE COVERS

### **⚠ WARNING**

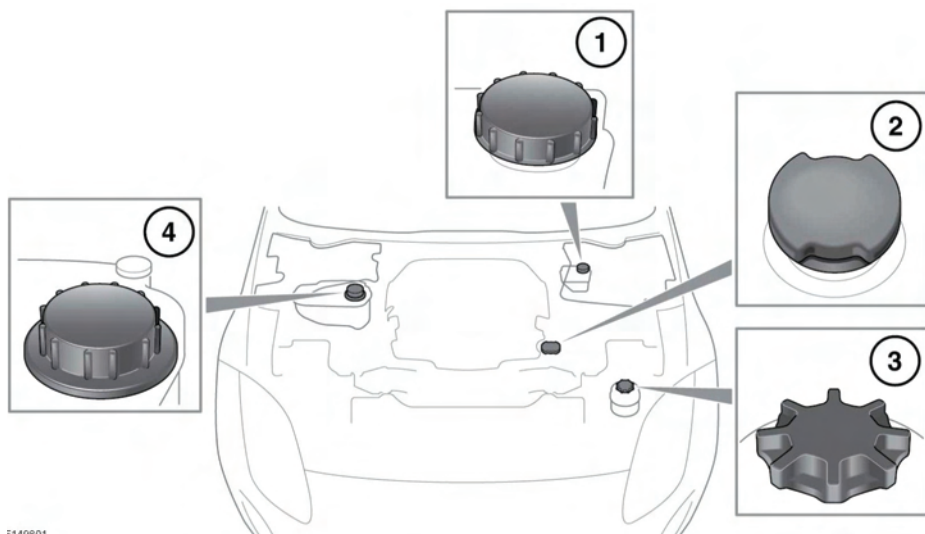
**Air bag covers should only be cleaned using a slightly dampened cloth, and a small amount of upholstery cleaner.**

### **⚠ WARNING**

**Any substance which enters the mechanism, can prevent correct deployment of an air bag during an impact.**

# Fluid level checks

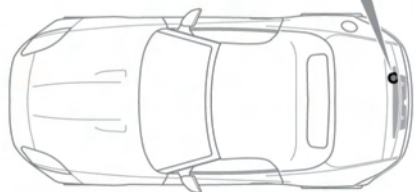
## FLUID FILLER LOCATIONS



E149801

**Note:** The brake fluid reservoir is located underneath the left side, hood access cover. See **136, UNDER HOOD COVERS - REMOVAL.**

1. Brake reservoir.
2. Engine oil.
3. Power steering reservoir.
4. Coolant reservoir (expansion tank).
5. Washer fluid reservoir.



E149802

### **⚠ WARNING**

Do not drive the vehicle if there is a possibility that leaked fluid will come into contact with a hot surface, such as the exhaust.

### **⚠ WARNING**

While working in the engine compartment, always observe the safety precautions. See **135, SAFETY IN THE GARAGE.**



## CHECKING THE ENGINE OIL LEVEL

The engine oil level is not monitored when the engine is running and/or the vehicle is in motion.

### NOTICE

*Check the engine oil weekly. If any significant or sudden drop in oil level is noted, seek qualified assistance.*

A certain amount of oil consumption is normal. The rate of consumption will depend on the following:

- The quality and viscosity of the oil.
- Climatic conditions.
- The speed at which the engine is being operated.
- Road conditions.

Drivers should expect above normal consumption when the engine is new, and after breaking-in if high speeds are sustained.

Prior to checking the oil level ensure that:

- The vehicle is on level ground.
- The engine oil has reached working temperature (oil is hot).
- The engine has been switched off for 10 minutes, as the system will not give an accurate reading until the oil level has stabilized.

The oil level can then be checked as follows:

1. Switch on the ignition (do not start the engine).
2. Ensure that Park (P) is selected.
3. Select the **Service menu** using the instrument panel menu control, see **33, INSTRUMENT PANEL MENU**.

Select **Oil level display** from the Service menu. The current oil level status and topping-up advice is displayed in the instrument panel, top-up as instructed.



An indication of the oil level is displayed in the gauge. Messages to the right of the gauge advise you of any action you may need to take.

If the oil level is within the required operating range, the message **Engine Oil Level OK** will be displayed. Do not add any additional oil to the engine.

If the oil level is below the required operating range, a message advising you how much oil to add will be displayed (e.g. **Add 0.5 Quart** or **Add 0.5 Liter**). Add the recommended quantity of oil.

If the message **Engine Oil Level Overfilled** is displayed, seek qualified assistance immediately. Do not drive the vehicle as this will cause serious damage to the engine.

If the message **Engine Oil Level Underfilled** is displayed, add 2.6 pints (1.5 liters) of oil, then recheck the level.

If the message **Engine Oil Level Not Available** is displayed, the oil level is stabilizing. Switch off the ignition, wait 10 minutes, then recheck the oil level display.

If the warning message **ENGINE OIL LEVEL MONITOR SYSTEM FAULT** is displayed, seek qualified assistance.

# Fluid level checks

## TOPPING UP THE OIL

### NOTICE

Failure to use an oil that meets the required specification could cause excessive engine wear, a build up of sludge and deposits, and increase pollution. It could also lead to engine failure. Do not use low quality or obsolete oils.

### NOTICE

Your vehicle warranty may be invalidated if damage is caused by using oil that does not meet the required specification.

### NOTICE

Overfilling with oil could result in severe engine damage. Oil should be added in small quantities and the level re-checked to ensure that the engine is not overfilled.

### NOTICE

Do not use oil additives of any type as engine damage could occur. Use only specified lubricants.

1. Unscrew the oil filler cap.
2. Add oil as indicated by the Message center display.
3. Wait 5 minutes for the oil level to stabilize then re-check.

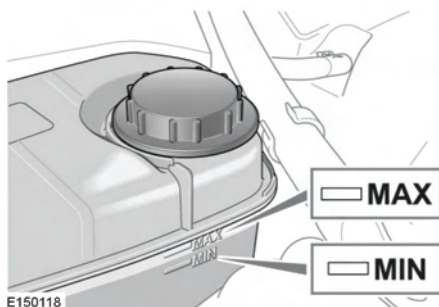
It is essential to use the correct specification oil, and to ensure it is suitable for the climatic conditions in which the vehicle is to be operated. See **185, LUBRICANTS AND FLUIDS**.

Jaguar recommends:

**Castrol EDGE Professional**



## CHECKING THE COOLANT LEVEL



### NOTICE

Running the engine without coolant will cause serious engine damage.

### NOTICE

If persistent coolant loss is noticed, seek qualified assistance immediately.

The coolant level in the expansion tank should be checked at least weekly (more frequently in high mileage or severe operating conditions). Always check the level when the system is cold.

Make sure the coolant level is maintained between the **MAX** and **MIN** level indicator marks, as illustrated.

If coolant/steam is expelled from the pressure cap, or the level has dropped suddenly, or by a large amount, arrange for the vehicle to be examined by a qualified technician as soon as possible.

If the message **LOW COOLANT LEVEL** is displayed in the Message center, stop the vehicle as soon as safety permits and top-up the coolant reservoir with the recommended antifreeze/water mix.

If the Message center displays the message **ENGINE OVERHEATING**, pull off the highway and allow the engine to idle for 5 minutes and then switch off the ignition for 10 minutes. Switch on the engine and, provided that the warning does not occur, continue your journey, avoiding harsh acceleration. Seek qualified assistance as soon as possible.

## TOPPING UP THE COOLANT

### **WARNING**

Never remove the filler cap when the engine is hot, as the reservoir will be pressurized. Coolant and steam can escape rapidly when the cap is removed, causing injury.

### **WARNING**

Antifreeze is highly inflammable. Do not allow antifreeze to come into contact with naked flames or other sources of ignition (e.g. a hot engine) - a fire may result.

### **WARNING**

Unscrew the filler cap slowly, allowing the pressure to escape before removing completely.

### **NOTICE**

*When traveling in territories where the water supply contains salt, always ensure you carry a supply of fresh (rain or distilled) water. Topping up with salt water will cause serious engine damage.*

Top-up to the upper level indicator mark located on the side of the expansion tank. For the coolant fluid specification, see **185, LUBRICANTS AND FLUIDS**.

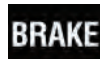
**Note:** *In an emergency, and only if the approved antifreeze is unavailable, top-up the cooling system with clean water, but be aware of the resultant reduction in frost protection. Do not top-up or refill with conventional antifreeze formulations. If in doubt consult a qualified technician.*

Ensure the cap is tightened fully after top-up is completed by turning the cap until the ratchet cap clicks.

## CHECKING THE BRAKE FLUID LEVEL

### **WARNING**

Seek qualified assistance immediately if brake pedal travel is unusually long, unusually short or if there is any significant loss of brake fluid. Driving under such conditions could result in extended stopping distances or complete brake failure.



USA



Canada

If the quantity of fluid in the brake reservoir drops below the recommended level, a red warning lamp in the instrument panel will illuminate and the message **Brake Fluid Low** will be displayed in the Message center.

**Note:** *If the warning lamp illuminates or the message is displayed while the vehicle is being driven, stop the vehicle as soon as safety permits by gently applying the brakes. Check and top-up the fluid level if necessary.*

### **WARNING**

Brake fluid is highly toxic - keep containers sealed and out of the reach of children. If accidental consumption is suspected, seek medical attention immediately.

# Fluid level checks

## **⚠ WARNING**

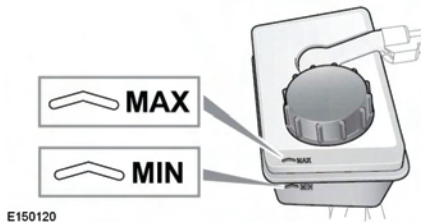
If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.

## **⚠ WARNING**

Brake fluid is highly inflammable. Do not allow brake fluid to come into contact with naked flames or other sources of ignition (e.g. a hot engine).

## **⚠ WARNING**

Do not drive the vehicle with the fluid level below the MIN mark.



With the vehicle on level ground, check the fluid level at least every week (more frequently in high mileage or arduous operating conditions).

The brake fluid level should be between the **MIN** and **MAX** marks on the side of the reservoir.

The fluid level may drop slightly during normal use, as a result of brake pad wear, but should not be allowed to drop below the **MIN** mark.

## TOPPING UP THE BRAKE FLUID

### **NOTICE**

Brake fluid will damage painted surface. Soak up any spillage with an absorbent cloth immediately and wash the area with a mixture of car shampoo and water.

### **NOTICE**

Only use new fluid from an airtight container. Fluid from open containers or fluid previously bled from the system, will have absorbed moisture, which will adversely affect performance, and must not be used.

1. Clean the filler cap with a clean, dry cloth before removing, to prevent dirt or moisture from entering the reservoir.
2. Remove the filler cap.
3. Top up the reservoir with the specified brake fluid to at least the **MIN** mark, see **185, LUBRICANTS AND FLUIDS**.

### **NOTICE**

Do not top up the brake fluid to the maximum mark unless the brake pads have been replaced. If in doubt seek qualified assistance.

4. Replace the cap.
5. Refit the hood access cover. See **136, UNDER HOOD COVERS - REFITTING**.

## CHECKING THE POWER STEERING FLUID LEVEL

### **⚠ WARNING**

Power steering fluid is highly toxic. Keep containers sealed and out of reach of children. If accidental consumption of fluid is suspected, seek medical attention immediately.

### **⚠ WARNING**

If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.

### **⚠ WARNING**

Power steering fluid is highly inflammable. Do not allow power steering fluid to come into contact with naked flames or other sources of ignition (e.g. a hot engine).

## **NOTICE**

*The engine must not be started if the fluid level has dropped below the **MIN** mark.*

## **NOTICE**

*Seek qualified assistance immediately if there is a noticeable drop in the fluid level.*

## **NOTICE**

*If fluid loss is slow, the reservoir may be topped-up to the upper level mark to enable the vehicle to be driven to a repair facility for examination. However, it is recommended that you seek qualified assistance before driving the vehicle.*

Check and top-up the fluid with the vehicle on level ground, with the engine switched off and the system cold. Ensure that the steering wheel is not turned after stopping the engine.

The level of fluid can be seen through the translucent body of the reservoir.

The fluid level should be between the **MIN** and the **MAX** marks.

## **TOPPING UP THE POWER STEERING FLUID**

### **NOTICE**

*It is imperative that the power steering system does not become contaminated in any way. Always use new fluid and clean the area around the filler neck both before removing the filler cap and after topping up. Never return drained fluid to the system.*

### **NOTICE**

*Power steering fluid will damage painted surfaces. Soak up any spillage with an absorbent cloth immediately and wash the area with a mixture of car shampoo and water.*

1. Clean the filler cap before removing to prevent dirt from entering the reservoir.
2. Remove the filler cap.

3. Top-up the reservoir with the specified fluid until the fluid level is between the **MIN** and **MAX** marks, see **185, LUBRICANTS AND FLUIDS**.
4. Replace the filler cap.

## **CHECKING THE WASHER FLUID LEVEL**

### **⚠ WARNING**

**Some windshield washer fluids are highly flammable. Do not allow windshield washer fluid to come into contact with naked flames or sources of ignition as this can cause a fire or explosion.**

### **⚠ WARNING**

**If the vehicle is operated in temperatures below 40°F (4°C), use a washer fluid with antifreeze protection. In cold weather, failure to use a washer fluid with frost protection could result in impaired vision and increase the risk of an accident.**

### **NOTICE**

*Only use approved washer fluid.*

### **NOTICE**

*Take care to avoid spillage, particularly if an undiluted or high concentration is being used. If spillage occurs, wash the affected area immediately with water.*

The washer reservoir supplies the windshield and headlamp washer jets.

The Message center will display a message when the washer bottle requires more fluid. See **33, INSTRUMENT PANEL**.

Operate the washers periodically to check that the nozzles are clear and properly directed.

# Fluid level checks

## TOPPING UP THE WASHER FLUID

*Note: National or local regulations may restrict the use of Volatile Organic Compounds (VOCs) which are commonly used as antifreeze agents in washer fluid. A washer fluid with limited VOC content should be used only if it provides adequate freeze resistance for all climates in which the vehicle is operated.*

1. Clean the filler cap before opening to prevent dirt from entering the reservoir.
2. Open the filler cap.
3. Top-up the reservoir with the specified washer fluid until the fluid is visible in the filler neck, see **185, LUBRICANTS AND FLUIDS**.
4. Close the filler cap.

## CALIFORNIA PROPOSITION 65 SECOND WARNING STATEMENT

### **WARNING**

Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

## BATTERY WARNING SYMBOLS



Do not allow naked flames or other sources of ignition near the battery, as the battery may emit explosive gases.



Ensure that when working near or handling the battery, suitable eye protection is worn, to protect the eyes from acid splashes.



To prevent risk of injury, do not allow children near the battery.



Be aware that the battery may emit explosive gases.



The battery contains acid which is extremely corrosive and toxic.



Consult the handbook for information, before handling the battery.

## BATTERY CARE

### **DANGER**

If swallowed, battery fluid can be fatal. Seek medical assistance immediately.

### **WARNING**

If battery fluid comes into contact with your eyes, skin, or clothes you should remove the affected clothing and flush the skin/eyes with plenty of water. Seek medical assistance immediately.

### **WARNING**

Do not connect any 12 volt equipment directly to the battery terminals. Doing so may cause a spark, which can result in an explosion.

### **WARNING**

The cell plugs and vent pipe must be in place at all times when the battery is connected to the vehicle. Ensure that the vent pipe is clear of obstructions and not kinked. Failure to do so may cause a pressure build up in the battery, resulting in an explosion.

### **WARNING**

Do not expose the battery to a naked flame or spark as the battery produces explosive, flammable gas.

### **WARNING**

Never jump start, boost, charge, or try to start a vehicle with a frozen battery. Doing so can result in an explosion.

### **WARNING**

To prevent the chance of an electric shock, remove all metal jewelry before working on or near the battery, and never allow metal tools or vehicle components to come into contact with the battery terminals.

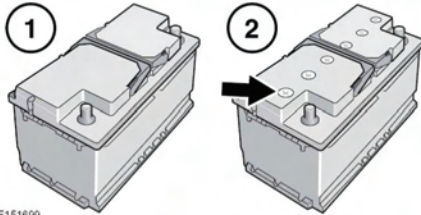
# Vehicle battery

## **⚠ WARNING**

Do not allow the battery posts or terminals to come into contact with your skin. They contain lead and lead compounds, which are toxic. Always wash your hands thoroughly after handling the battery. Also see 151, CALIFORNIA PROPOSITION 65 SECOND WARNING STATEMENT.

## **NOTICE**

Do not allow battery fluid to come into contact with fabrics or painted surfaces. If battery fluid comes into contact with any surface, the surface should be washed down immediately with plenty of clean water.



Your vehicle battery will be either:

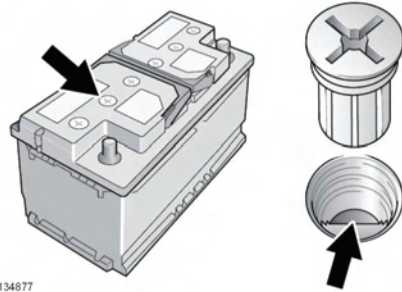
1. Absorbed Glass Mat (AGM) battery. These are sealed for life and require no maintenance.

## **NOTICE**

Do not attempt to open or remove the top from an AGM battery.

2. Low maintenance battery. The battery cell's electrolyte levels can be checked and topped up.

In hot climates more frequent checks of the battery fluid level and condition are required. If necessary, the battery cells can be topped up using distilled water.



1. Unscrew counter-clockwise to remove the 6 cell plugs and store carefully.
2. Check that the surface level of the liquid (electrolyte) is level with the plastic level indicator (illustrated).
3. If necessary, top up with distilled water, but never overfill.
4. Refit the 6 cell plugs. Screw clockwise to tighten.

## **CONNECTING JUMP LEADS**

### **⚠ WARNING**

Always wear appropriate eye protection when working with batteries.

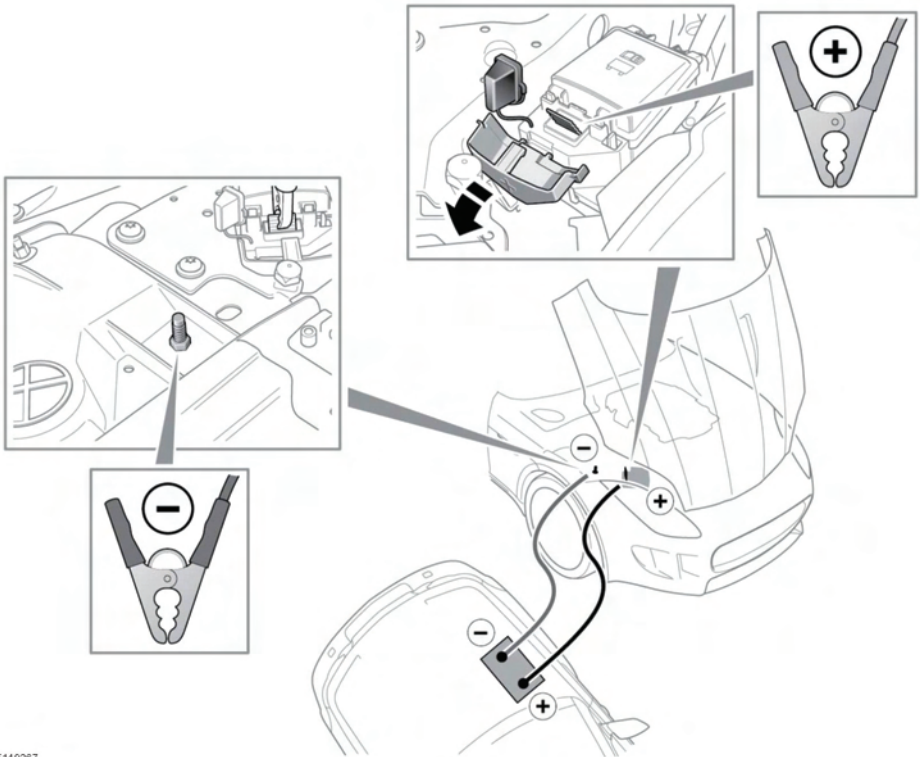
Make sure both batteries are of the 12 volt type and that the jump leads have insulated clamps and are approved for use with 12 volt batteries.

Do not disconnect the discharged battery.

Do not connect a jump lead to any battery terminal on your vehicle.

Make sure the bodywork of the donor and disabled vehicles do not touch.





E149267

**Note:** Before connecting jump leads, make sure that all electrical equipment on the disabled and donor vehicles have been switched off.

1. Connect the positive jump lead (red) to the recommended positive boost terminal on the donor vehicle.
2. On your vehicle, release the access cover and remove the positive boost terminal cover. Connect the other end of the positive jump lead (red) to the positive boost terminal, as illustrated.
3. Connect the negative jump lead (black) to the recommended negative boost terminal of the donor vehicle.

4. Connect the other end of the negative jump lead (black) to your vehicle's negative boost terminal, as illustrated.

### **NOTICE**

Check that all cables are clear of any moving components and that all 4 connections are secure.

**Note:** If repeated attempts to start the disabled vehicle are needed, allow the donor vehicle to idle for a few minutes between attempts.

5. Start the engine of the donor vehicle, and allow it to idle for a few minutes.
6. Start the engine of the disabled vehicle.

# Vehicle battery

**Note:** If repeated attempts to start the disabled vehicle are needed, allow the donor vehicle to idle for a few minutes between attempts.

7. Allow both vehicles to idle for 2 minutes.
8. Switch off the donor vehicle.

## DISCONNECTING JUMP LEADS

### **⚠ WARNING**

To avoid serious injury use extreme caution when removing the jump leads as the engine will be running on the previously disabled vehicle. This means that you may be working close to components which are moving at high speed, carry high voltage, or may be hot.

**Note:** Do not switch on any electrical equipment until after the cables have been disconnected.

The engine should be running on the previously disabled vehicle and the engine switched off on the donor vehicle. Disconnect the jump leads in the exact reverse order of that used for connection.

## CONNECTING A STARTING AID

### **⚠ WARNING**

Do not connect the starting aid to any battery terminal on your vehicle. Doing so may cause a spark, which can result in an explosion. It may also result in damage to the charging system.

To start the vehicle using a starting aid or a booster/slave battery, follow the instructions in the sequence given:

1. Connect the positive (Red) cable to the positive boost terminal of the disabled vehicle. See 152, **CONNECTING JUMP LEADS**.

2. Connect the negative (Black) cable to the negative boost terminal of the disabled vehicle.
3. Connect/switch on the starting aid.
4. Start the engine and allow it to idle.
5. Disconnect/switch off the starting aid.
6. Disconnect the negative (Black) cable from the negative boost terminal of the vehicle. See 154, **DISCONNECTING JUMP LEADS**.
7. Disconnect the positive (Red) cable from the positive boost terminal of the vehicle.

## CHARGING THE VEHICLE BATTERY

### **NOTICE**

The battery must be disconnected and removed from the vehicle before charging.

### **NOTICE**

Battery disconnection, removal and replacement, should only be carried out by qualified personnel. Consult your Dealer/Authorized Repairer.

## REPLACING THE VEHICLE BATTERY

### **NOTICE**

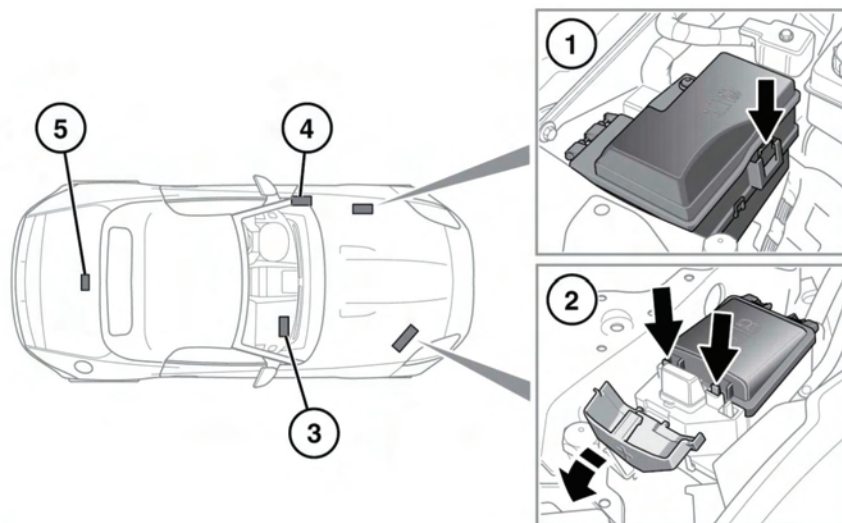
Battery disconnection, removal and replacement, should only be carried out by qualified personnel. Consult your Retailer/Authorized Repairer.



Used batteries must be disposed of correctly, as they contain a number of harmful substances. Seek advice from your Retailer/Authorized

Repairer and/or your local authority.

## FUSE BOX LOCATIONS



E149218

### **NOTICE**

*When a fuse box lid is removed, take care to protect the box from moisture, and refit the lid at the earliest opportunity.*

There are 5 separate fuse boxes fitted to the vehicle, each one containing fuses protecting a different group of circuits.

1. Left side rear engine compartment fuse box.
  - Press the clip to release the fuse box cover.
2. Right side front engine compartment fuse box.
  - Open the side cover and press the 2 clips to release the fuse box cover.
3. Passenger compartment fuse box, located in the passenger side foot-well.
  - Remove the cover to access the fuse box.

4. Passenger compartment fuse box, located on the left side 'A' post below the facia.
  - Unclip the access panel to view the fuse box.
5. Luggage compartment fuse box.
  - The fuse box is accessed by removing the vehicle battery cover and luggage compartment floor panel.

## CHANGING A FUSE

### **NOTICE**

*Always turn off the ignition system and the affected electrical circuit, before replacing a fuse.*

### **NOTICE**

*Fit Jaguar approved replacement fuses of the same rating and type, or fuses of matching specification.*

# Fuses

## **NOTICE**

If the replacement fuse blows after installation, the system should be checked by your Dealer/Authorized Repairer.

**Note:** Jaguar recommend that owners do not remove or replace relays. It is recommended that you seek qualified assistance in the event of a relay failure.

Spare fuses are located in the tool tray situated under the floor in the luggage compartment.

## **ENGINE COMPARTMENT FUSE BOX**

**Left side front fuse box.**

Fuse No	Rating (amps)	Fuse Color	Circuit
F1	15A	Blue	Air conditioning clutch
F2	20A	Yellow	Washer transfer pump
F3	5A	Tan	Active exhaust solenoid
F4	5A	Tan	Monitor
F5	25A	Clear	Engine management (Ignition coils)
F6	5A	Tan	Engine management (MAF sensors)
F7	5A	Tan	Engine management (Sensors)
F8	10A	Red	Engine management (Actuators)
F9	10A	Red	Engine management (Throttle motor)
F10	15A	Blue	Engine management (Variable valve timing)
F11	20A	Yellow	Engine management (Oxygen sensor) Bank A (left side)
F12	20A	Yellow	Engine management (Oxygen sensor) Bank B (right side)
F13	20A	Yellow	Engine management (Catalyst oxygen sensor) A & B
F14	-	-	-
F15	-	-	-
F16	5A	Tan	Battery voltage check
F17	-	-	-
F18	30A	Green	Anti-lock brake system valves
F19	15A	Blue	Electronic transmission switch, Transmission control module
F20	-	-	-

## Right side rear fuse box.

Fuse No	Rating (amps)	Fuse Color	Circuit
F1	25A	Clear	Headlamp wash
F2	15A	Blue	Intercooler water pump
F3	15A	Blue	Horns
F4	-	-	-
F5	-	-	-
F6	-	-	-
F7	-	-	-
F8	-	-	-
F9	-	-	-
F10	-	-	-

## PASSENGER COMPARTMENT FUSE BOX

### Left side 'A' post fuse box.

Fuse No	Rating (amps)	Fuse Color	Circuit
F1	30A	Green	Parking brake (left side)
F2	-	-	-
F3	-	-	-
F4	20A	Yellow	Keyless vehicle module (latch power)
F5	5A	Tan	Instrument pack control, Instrument pack fan
F6	15A	Blue	Convertible top front latch
F7	-	-	-
F8	5A	Tan	Keyless vehicle module (logic)
F9	5A	Tan	Convertible top down lock
F10	20A	Yellow	Dual battery module
F11	25A	Clear	Heated front seat
F12	5A	Tan	Seat switch power
F13	10A	Red	Chassis control module (spoiler), Drive control switch
F14	5A	Tan	Adaptive damping control, chassis control module
F15	-	-	-

# Fuses

Fuse No	Rating (amps)	Fuse Color	Circuit
F16	30A	Green	Park brake (right side)
F17	-	-	-
F18	-	-	-
F19	30A	Green	Fuel
F20	-	-	-
F21	10A	Red	Rear view camera, Headlamp (left & right side), Blind spot monitoring (left & right side), Park distance control, Interior electrochromic mirror
F22	5A	Tan	Left side headlamp motor
F23	5A	Tan	Right side headlamp motor
F24	5A	Tan	Headlamp leveling
F25	-	-	-
F26	-	-	-
F27	-	-	-
F28	-	-	-
F29	-	-	-
F30	5A	Tan	Normal mode (or Transport mode)

## Passenger side foot-well fuse box.

Fuse No	Rating (amps)	Fuse Color	Circuit
F1	5A	Tan	Radio frequency receiver, Interior motion sensor, Tire pressure monitoring sensor
F2	-	-	-
F3	-	-	-
F4	20A	Yellow	CAN gateway module
F5	5A	Tan	Anti-lock brakes, Steering angle sensor
F6	-	-	-
F7	-	-	-
F8	30A	Green	Passenger seat power 2
F9	5A	Tan	Electronic park brake
F10	5A	Tan	Adaptive damping control

Fuse No	Rating (amps)	Fuse Color	Circuit
F11	-	-	-
F12	5A	Tan	Reverse lamps and Mirror dimming inhibit
F13	10A	Red	Chassis control module (spoiler), Drive control switch
F14	5A	Tan	Brake pedal switch
F15	30A	Green	Heated rear screen
F16	-	-	-
F17	-	-	-
F18	-	-	-
F19	5A	Tan	Powertrain control module, Electronic control module
F20	10A	Red	Heated steering wheel
F21	10A	Red	Dynamic stability control switch, Climate seat modules, Road toll collection, Passenger air bag disable lamp
F22	5A	Tan	Transmission control module, Rear differential, Electronic transmission switch (ignition signal)
F23	5A	Tan	Right side headlamp motor
F24	5A	Tan	Right side rear fog lamp
F25	5A	Tan	Left side rear fog lamp
F26	-	-	-
F27	-	-	-
F28	25A	Clear	Passenger door module
F29	-	-	-
F30	-	-	-
F31	5A	Tan	Rain sensor, Climate control sensors
F32	25A	Clear	Driver door module
F33	-	-	-
F34	10A	Red	Fuel flap locking and unlocking
F35	-	-	-
F36	5A	Tan	Battery back-up sounder
F37	-	-	-
F38	15A	Blue	Front screen washer
F39	-	-	-
F40	5A	Tan	Driver door window switch, Instrument pack control
F41	-	-	-

# Fuses

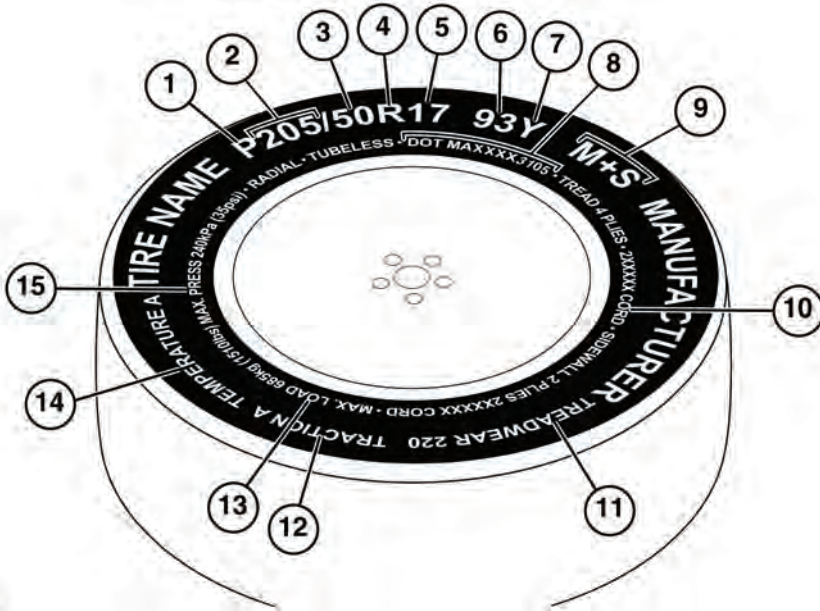
Fuse No	Rating (amps)	Fuse Color	Circuit
F42	30A	Green	Driver seat power 1
F43	10A	Red	Active exhaust
F44	-	-	-
F45	30A	Green	Passenger seat power 1
F46	30A	Green	Passenger seat power 2
F47	-	-	-
F48	-	-	-
F49	5A	Tan	Right side headlamp motor
F50	5A	Tan	Left side headlamp motor
F51	5A	Tan	Steering wheel switches
F52	20A	Yellow	Accessory socket (center)
F53	20A	Yellow	Accessory socket/cigar lighter (cubby box)
F54	-	-	-
F55	-	-	-
F56	10A	Red	Remote control module
F57	10A	Red	Battery saver
F58	-	-	-
F59	10A	Red	Door soft close (close and reverse)
F60	5A	Tan	Occupant control sensor
F61	5A	Tan	Immobiliser antenna unit
F62	-	-	-
F63	-	-	-
F64	-	-	-
F65	5A	Tan	Power roof
F66	5A	Tan	Diagnostic socket
F67	-	-	-
F68	-	-	-
F69	-	-	-



## LUGGAGE COMPARTMENT FUSE BOX

Fuse No	Rating (amps)	Fuse Color	Circuit
F1	15A	Blue	Touch screen, Front integrated control panel
F2	10A	Red	Audio amplifier
F3	-	-	-
F4	10A	Red	Digital radio, Navigation system
F5	15A	Blue	Audio head unit
F6	15A	Blue	Audio video input/output panel
F7	-	-	-
F8	-	-	-
F9	-	-	-
F10	-	-	-
F11	-	-	-
F12	-	-	-
F13	-	-	-
F14	-	-	-
F15	15A	Blue	Front and rear integrated control panels (HVAC)
F16	20A	Yellow	Fuel fired booster heater

## TIRE MARKINGS



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1. **P** indicates that the tire is for passenger vehicle use. This index is not always shown.
2. The width of the tire from sidewall edge to sidewall edge in millimeters.
3. The aspect ratio, also known as the profile, gives the sidewall height as a percentage of the tread width. So, if the tread width is 205 mm, and the aspect ratio is 50, the sidewall height will be 102 mm.
4. **R** indicates that the tire is of Radial ply construction.
5. The diameter of the wheel rim given in inches.
6. The load index for the tire. This index is not always shown.

### **WARNING**

The load index on all replacement tires should be, at least, the same specification as the original equipment. If in doubt consult a Dealer/Authorized Repairer.

7. The speed rating denotes the maximum speed at which the tire should be used for extended periods. See **163, SPEED RATINGS**.
8. US DOT Tire Identification Number (TIN). This begins with the letters DOT and indicates that the tire meets all federal standards. The next two numbers or letters are the plant code where the tire was manufactured, the last 4 numbers are the date of manufacture. For example, if the number was 3108, the tire was made in the 31st week of 2008. The other numbers are marketing codes used at the

manufacturer's discretion. This information can be used to contact consumers if a tire defect requires a recall.

9. **M+S** or **M/S** indicates that the tire has been designed with some capability for mud and snow.
10. The number of plies in both the tread area, and the sidewall area, indicates how many layers of rubber coated material make up the structure of the tire. Information is also provided on the type of materials used.
11. Wear rate indicator. A tire rated at 400 for example, will last longer than a tire rated at 200.
12. The traction rating grades a tire's performance when stopping on a wet road surface. The higher the grade the better the braking performance. The grades from highest to lowest are, **AA, A, B** and **C**.
13. The maximum load which can be carried by the tire.
14. Heat resistance grading. The tire's resistance to heat is grade **A, B** or **C**, with **A** indicating the greatest resistance to heat. This grading is provided for a correctly inflated tire, which is being used within its speed and loading limits.
15. The maximum inflation pressure for the tire. This pressure should not be used for normal driving. See **163, TIRE CARE**.

## SPEED RATINGS

Rating	Speed, mph (km/h)
Q	99 (160)
R	106 (170)
S	112 (180)
T	118 (190)
U	124 (200)
H	130 (210)
V	149 (240)
W	168 (270)
Y	186 (300)

## TIRE CARE

### WARNING

Do not drive the vehicle if a tire is damaged, excessively worn, or incorrectly inflated. A tire in such a condition may catastrophically fail and cause an accident.

### WARNING

Avoid contaminating the tires with vehicle fluids as they may cause damage to the tire and cause a tire failure, which can result in an accident.

### WARNING

Avoid spinning the wheels. The forces released can damage the structure of the tire and cause it to fail.

### WARNING

If wheel spin is unavoidable due to a loss of traction (in deep snow, for example), do not exceed the 30 mph (50 km/h) point on the speedometer. Do not allow anyone to stand near, or directly behind a tire that might spin.

# Tires

## **⚠ WARNING**

**Do not exceed the maximum pressure stated on the sidewall of the tire.**

## **NOTICE**

*Avoid damaging the TPMS sensor when removing a tire from the wheel and fitting a tire to the wheel.*

All of the vehicle's tires (including the spare) should be checked regularly for damage, wear and distortion. If you are in any doubt about the condition of a tire, have it checked immediately by a tire repair center or a Dealer/Authorized Repairer.

## TIRE PRESSURES

### **⚠ WARNING**

**Never drive your vehicle if the tire pressures are incorrect. Under-inflation causes excessive flexing and uneven tire wear. This can lead to sudden tire failure. Over-inflation causes harsh ride, uneven tire wear and poor handling.**

### **⚠ WARNING**

**Pressure checks should only be carried out when the tires are cold, and the vehicle has been stationary for more than three hours. A hot tire at or below recommended cold inflation pressure is dangerously under-inflated.**

### **⚠ WARNING**

**If the vehicle has been parked in strong sunlight, or used in high ambient temperatures do not reduce the tire pressures. Move the vehicle into the shade and allow the tires to cool before re-checking the pressures.**

The recommended tire pressures are listed on a label located in the driver's door opening. See **165, TIRE PRESSURE LABEL (USA only)**.

Check the tires, including the spare, for condition and pressure on a weekly basis and before long journeys.

If tire pressures are checked while the vehicle is inside a protected covered area (e.g. a garage) and subsequently driven in lower outdoor temperatures, tire under-inflation could occur.

A slight pressure loss occurs naturally with time. If this exceeds 2 psi (0.14 bar, 14 kPa.) per week, have the cause investigated and rectified by qualified assistance.

If it is necessary to check tire pressures when the tires are warm, you should expect the pressures to have increased by up to 4 - 6 psi (0.3 - 0.4 bar, 30 - 40 kpa). Do not reduce the tire pressures to the cold inflation pressure under these circumstances. Allow the tires to cool fully before adjusting the pressures.

The following procedure should be used to check and adjust the tire pressures.

## **NOTICE**

*To avoid damaging the valves do not apply excessive force or side ways force on the gauge/inflator.*

1. Remove the valve cap.
2. Firmly attach a tire pressure gauge/inflator to the valve.
3. Read the tire pressure from the gauge and add air if required.
4. If air is added to the tire, remove the gauge and re-attach it before reading the pressure. Failure to do so may result in an inaccurate reading.
5. If the tire pressure is too high, remove the gauge and allow air out of the tire by pressing the center of the valve. Refit the gauge to the valve and check the pressure.

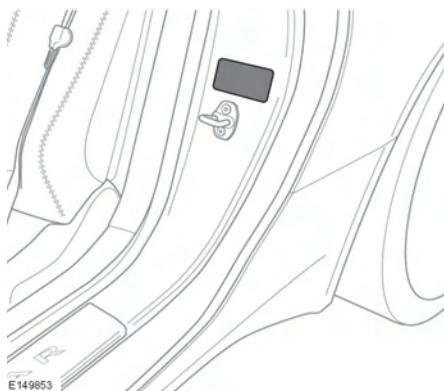
6. Repeat the process, adding or removing air as required, until the correct tire pressure is reached.
7. Refit the valve cap.

## Cold tire pressures

Tire size	Load/Speed index	Tire pressures - up to 155 mph (250 km/h)	Tire pressures - over 155 mph (250 km/h)
255/35ZR20	(97Y)	36 psi (2.5 bar, 250 kPa)	41 psi (2.8 bar, 280 kPa)
295/30ZR20	(101Y)	36 psi (2.5 bar, 250 kPa)	41 psi (2.8 bar, 280 kPa)
245/40ZR19	(94Y)	36 psi (2.5 bar, 250 kPa)	-
275/35ZR19	(96Y)	36 psi (2.5 bar, 250 kPa)	-
245/45ZR18	-	36 psi (2.5 bar, 250 kPa)	-
275/40ZR18	-	36 psi (2.5 bar, 250 kPa)	-
* T135/70R19	(105M)	60 psi (4.2 bar, 420 kPa)	-

\* For vehicles with a spare tire.

## TIRE PRESSURE LABEL (USA only)



A tire information label is located in the driver's door opening, giving information specific to the original wheel and tire equipment fitted to the vehicle.

These pressures provide optimum ride and handling characteristics for all normal operating conditions.

The label contains the following information:

- The maximum number of occupants, divided between the front and rear of the vehicle.
- The vehicle capacity weight, which includes the weight of the driver, passenger and cargo.
- Cold inflation pressures for the front, rear and spare tire.
- The size of the tires with which the vehicle was originally equipped.

**Note:** The label must not be changed, even if different wheels are fitted at a later stage.

# Tires

## TIRE VALVES

Keep the valve caps screwed down firmly to prevent water or dirt entering the valve. Check the valves for leaks when checking the tire pressures.

## PUNCTURED TIRES

### **⚠WARNING**

**Do not drive the vehicle with a punctured tire. Even if the punctured tire has not deflated, it is unsafe to use, as the tire may deflate suddenly at any time, potentially resulting in loss of control and an accident.**

## REPLACEMENT TIRES

### **⚠WARNING**

**The load and speed index ratings on all replacement tires must be, at least, the same specification as the original equipment. If in doubt consult a Dealer/Authorized Repairer.**

### **⚠WARNING**

**Always fit replacement tires of the same type, and wherever possible of the same make and tread pattern.**

**Do not rotate tires around the vehicle.**

### **⚠WARNING**

**If the use of tires not recommended by Jaguar is unavoidable, ensure that you read, and fully comply with, the tire manufacturers instructions. Failure to do so may lead to tire failure due to incorrect fitment or use.**

Ideally, tires should be replaced in sets of 4, see **168, TREADWEAR**. If this is not possible, replace the tires in pairs (both front or both rear tires). When tires are replaced, the wheels should always be re-balanced and alignment checked.

The correct tire specification for your vehicle can be found on the tire placard label. See **165, TIRE PRESSURE LABEL (USA only)**.

## PRESSURE COMPENSATION FOR AMBIENT TEMPERATURE CHANGES

A colder ambient local temperature will reduce pressure within the tire. An effect is to decrease sidewall height and to increase tire shoulder wear with the potential for tire failure. Vehicle dynamics could also be adversely affected.

Tire pressures can be adjusted to compensate before the start of the journey. Alternatively, tire pressures can be adjusted when the area of lower ambient temperature is reached.

In this situation, the vehicle must be left in the ambient local temperature for a least one hour before tire pressure is adjusted.

To compensate for colder ambient temperatures, tire pressures should be increased by 2 psi (0.14 bar, 14 kPa) for each 20°F (10°C) decrease.

***Note:** Ensure that correct tire pressures are maintained when moving to areas of differing ambient temperature.*

## AVOIDING FLAT SPOTS

In areas of extended high ambient temperature, vehicle tires can be affected by a softening of the tire sidewall. If the vehicle is stationary for long periods, the effect is to slightly deform the tire at the point where the tire meets the standing surface. This is known as a flat spot.

This is normal tire behavior. However, when the vehicle is subsequently driven, vibration may be experienced from the flat spot. The condition will steadily improve with additional mileage.

In order to minimize flat spotting, the tire pressures can be increased to the maximum as stated on the tire sidewall. Tires must be returned to the specified running pressures before driving. See **164, TIRE PRESSURES**.

## TIRE DEGRADATION

Tires degrade over time due to the effects of ultraviolet light, extreme temperatures, high loads, and environmental conditions. It is recommended that all tires, including the spare, are replaced at least every 6 years, but they may require replacement more frequently.

## USING WINTER TIRES

Approved winter tire sizes and pressures				
Tire make	Tire size	Load index	Speed index	Tire pressures
Pirelli Sotto Zero	245/45 R18	100	V	36 psi (2.5 bar, 250 kPa)
Pirelli Sotto Zero	275/45 R18	103	V	36 psi (2.5 bar, 250 kPa)
Dunlop Winter M3	245/40 R19	98	V	36 psi (2.5 bar, 250 kPa)
Dunlop Winter M3	275/35 R19	97	V	36 psi (2.5 bar, 250 kPa)
Pirelli Sotto Zero	255/35 R20	97	V	36 psi (2.5 bar, 250 kPa)
Pirelli Sotto Zero	285/30 R20	99	V	36 psi (2.5 bar, 250 kPa)

**Note:** **M+S** (*mud and snow*) tires have a recognized level of winter performance and need not be replaced.

The **M+S** marking on the tire sidewall indicates an 'all season' tire designed for use all year round, including cold temperatures, snow and ice.

**Note:** *Dedicated winter tires often have a lower speed rating than the original equipment tires and the vehicle must therefore be driven within the speed limitation of the winter tire.*



This symbol identifies dedicated winter tires, which can be fitted if optimum winter traction is

required, or the vehicle is to be used in more extreme winter conditions.

Winter tires must be fitted to all 4 wheels.

For optimum traction, tires should be run in for at least 100 miles (160 kilometres) on dry roads prior to driving on snow or ice.

Use of dedicated winter tires may require a change of wheel size, depending on original choice of wheel. All 4 wheels must be changed.

If fitted with standard rubber valves, the Tire Pressure Monitoring System (TPMS) warning lamp will flash for 75 seconds and then remain illuminated. The Message center will also display **TIRE PRESSURE MONITORING SYSTEM FAULT**.

When the original wheels and tires are refitted, the vehicle will need to travel a short distance to reset the TPMS and extinguish the warning lamp.

## USING SNOW CHAINS

### **NOTICE**

*It is essential that only snow chains of the recommended type are fitted.*

### **NOTICE**

*Snow chains CANNOT be fitted to the standard wheel and tire assemblies on this vehicle.*

Optional wheel and tire assemblies are available that will permit the fitting of snow chains.

Snow chains can only be fitted to rear wheels. They should not be used on temporary use spare wheels.

Contact a Dealer/Authorized Repairer for details and availability of approved snow chains and wheels.

The maximum speed when using snow chains is 30 mph (50 km/h).

**Note:** *When using snow chains, select Rain/Ice/Snow mode (see 77, **JAGUARDRIVE CONTROL**) and switch DSC off (see 76, **SWITCHING DSC OFF**). DSC would reduce the deep snow traction capability as it would limit wheel spin to a level below that which is required to generate maximum traction.*

## ULTRA HIGH PERFORMANCE (UHP) TIRES

### **NOTICE**

*This vehicle is equipped with UHP tire and wheel combinations designed to provide maximum dry road performance. These low profile high speed rated tires may be more susceptible to damage from road hazards. UHP tires have performance enhancing soft rubber tread compounds, which when driven aggressively experience rapid tread wear and shorter life than less performance oriented tires.*

### **NOTICE**

*These tires are not recommended for driving on snow or ice, and should be replaced with winter tires when weather conditions dictate.*

## UNITED STATES DEPARTMENT OF TRANSPORTATION

The following information relates to the tire grading system developed by the National Highway Traffic Safety Administration which will grade tires by tread wear, traction and temperature performance.

**Note:** *Tires that have deep tread and winter tires, are exempt from these markings requirements.*

## UNIFORM TIRE QUALITY GRADING

Quality grades can be found where applicable on the tire sidewall between the tread shoulder and maximum section width.

For example: **Treadwear 200 Traction AA Temperature A.**

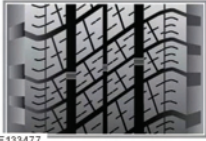
In addition to the markings requirements, passenger car tires must conform to Federal Safety Requirements.

## TREADWEAR

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1½) times as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.





E133477



When the tread has worn down to approximately 2 mm, wear indicators start to appear at the surface of the tread pattern. This produces a continuous band of rubber across the tread as a visual indicator.

**Note:** Local legislation may determine a greater tread depth to that shown by the tire wear indicators. It remains the driver's responsibility to ensure the tread depth meets the local legal requirements. Do not rely on the tread wear indicators alone.

## **⚠ WARNING**

**Wear indicators show the minimum tread depth recommended by the manufacturers. Tires which have worn to this point will have reduced grip and poor water displacement characteristics. This can lead to accidents causing serious injury or death.**

## **NOTICE**

*If tread wear is uneven across the tire, or a tire wears excessively, the vehicle should be checked by your Dealer/Authorized Repairer as soon as possible.*

## TRACTION

The traction grades, from highest to lowest, are **AA, A, B, and C**. The grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

## **⚠ WARNING**

**The traction grade assigned to this tire is based on straight-ahead braking traction tests and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.**

## TEMPERATURE

The temperature grades are **A** (the highest), **B**, and **C**, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure.

The grade **C** corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109.

Grades **B** and **A** represent higher levels of performance on the laboratory test wheel than the minimum required by law.

## **⚠ WARNING**

**The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.**

## TIRE GLOSSARY

**Accessory weight:** The combined weight (in excess of those items replaced) of items available as factory installed equipment.

**Bead:** The inner edge of a tire that is shaped to fit to the rim and form an air tight seal. The bead is constructed of steel wires which are wrapped, or reinforced, by the ply cords.

# Tires

**Cold tire pressure:** The air pressure in a tire which has been standing in excess of 3 hours, or driven for less than 1 mile.

**Curb weight:** The weight of a standard vehicle, including a full tank of fuel, any optional equipment fitted, and with the correct coolant and oil levels.

**Gross vehicle weight:** The maximum permissible weight of a vehicle with driver, passengers, load, luggage and equipment.

**kPa:** Kilo Pascal, a metric unit of measure for pressure.

**lbf/in<sup>2</sup> or psi:** Pounds per square inch, an imperial unit of measure for pressure.

**Maximum inflation pressure:** The maximum pressure to which the tire should be inflated. This pressure is given on the tire side wall in lbf/in<sup>2</sup> (psi) and kPa.

**Note:** *This pressure is the maximum allowed by the tire manufacturer. It is not the pressure recommended for use.*

**Maximum loaded vehicle weight:** The sum of curb weight, accessory weight, vehicle capacity weight, plus any production option weights.

**Production options weight:** The combined weight of options installed which weigh in excess of 3 lb (1.4 kg) more than the standard items that they replaced, and are not already considered in curb or accessory weights. Items such as heavy duty brakes, high capacity battery, special trim etc.

**Rim:** The metal support for a tire, or tire and tube, upon which the tire beads are seated.

**Vehicle capacity weight:** The number of seats multiplied by 150 lb (68 kg) plus the rated amount of load/luggage.

# Tire pressure monitoring system (TPMS)

## TIRE PRESSURE MONITORING SYSTEM

### **⚠ WARNING**

TPMS provides a low pressure warning and does not re-inflate your tires. Tire pressures should be checked regularly using an accurate pressure gauge when the tires are cold.

### **⚠ WARNING**

TPMS can NOT register damage to a tire. Regularly check the condition of your tires.

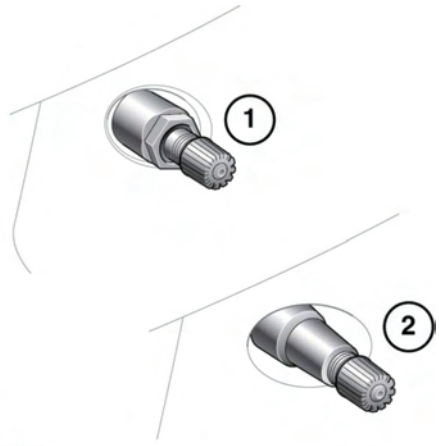
### **NOTICE**

*When inflating tires, care should be taken to avoid bending or damaging the TPMS valve. Always ensure correct alignment of the inflation head to the valve stem.*

**Note:** Non-approved accessories may interfere with the system. If this occurs, **TIRE PRESSURE MONITORING FAULT** is displayed in the Message center.

**Note:** Different types of tire may affect TPMS performance. Always replace tires in accordance with recommendations.

TPMS constantly monitors the tire pressure in each wheel except for the temporary use spare tire (when fitted) which is not monitored.



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Wheels fitted with TPMS can be visually identified by the external metal lock nut and valve (1). All Jaguar non-TPMS wheels have a rubber valve fitted (2).

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires).

As an added safety feature, your vehicle has been equipped with a Tire Pressure Monitoring System (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated, see **38, TIRE PRESSURE MONITORING SYSTEM (YELLOW)**. In addition to this, a warning message is displayed in the Message center below a graphic which shows which tire is under inflated.

# Tire pressure monitoring system (TPMS)

Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Vehicles supplied with 20 inch wheels also have a speed based TPMS system. If the vehicle is required to travel at speeds over 155 mph (250 km/h), the tire pressures should be raised. See **164, TIRE PRESSURES**. Failure to do this may cause the warning message **TIRE PRESSURES LOW FOR SPEED** to be displayed in the Message center.

**Note:** *Make sure to set the tire pressures to the correct pressure when the vehicle will be traveling at speeds less than 155 mph (250 km/h).*

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly.

The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists.

When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

## TEMPORARY USE SPARE WHEEL AND TIRE CHANGE

If the temporary use spare wheel is fitted, the system will automatically recognize the change in wheel positions. After approximately 10 minutes of driving above 18 mph (25 km/h), the message **FRONT[REAR] RIGHT[LEFT] TIRE PRESSURE NOT MONITORED** will be displayed, accompanied by illumination of the warning lamp.

The warning lamp will first flash and then illuminate continuously. Extended use of the temporary use spare wheel will trigger the message **TIRE PRESSURE MONITORING SYSTEM FAULT**.

This TPMS display sequence will be activated at every ignition cycle until the temporary spare wheel is replaced by a full-size road wheel with a TPMS sensor fitted.

**Note:** *If in use, always replace the temporary spare wheel before having a TPMS fault investigated.*

# Tire pressure monitoring system (TPMS)

## TYPE APPROVAL NUMBERS

### United States of America

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### Canada

This device complies with Industry Canada Standard IC - RSS-210: Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**Note:** *Changes or modifications not expressly approved by the manufacturer could void the user's authority to use the equipment.*

The TPMS radio frequency approval numbers for the USA and Canada are:

<b>USA FCC ID:</b>	KR5S120123
	KR5S180052021
	5WK49097
<b>Canada IC:</b>	267T-S120123
	7812D-S180020A
	267T-5WK49097

# Tire repair kit

## TIRE REPAIR KIT

### **⚠WARNING**

If you are in any doubt regarding your ability to carry out the instructions, contact your Dealer/Authorized Repairer before attempting the repair.

Your vehicle may not be equipped with a spare tire. If this is the case, your vehicle will be fitted with a tire repair kit which can be used to repair **one** tire. It is essential that you read the following guide before attempting to repair a tire.

The tire repair kit seals most punctures with a maximum diameter of 1/4 inch (6 mm).

The tire repair kit is located under the floor panel in the luggage compartment.

**Note:** The sealant used in the tire repair kit has a shelf life and the expiry date is shown on the tire sealant bottle. Ensure that the container is replaced before the expiry date.

## TIRE REPAIR KIT SAFETY INFORMATION

### **⚠WARNING**

To prevent serious injury or death, take the following safety precautions:

If you have a flat tire while driving, do not initiate any sharp or abrupt steering and/or braking manoeuvres. Let the vehicle slow down as much as is safely possible while leaving the roadway.

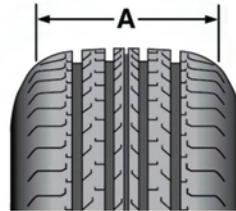
Before exiting the vehicle, always ensure that the gear selector is in the Park (P) position, the engine is off, the parking brake is applied and the Smart key is removed from the vehicle. Turn on the hazard warning lamps.

Do not use the tire repair kit if the tire has been damaged by driving while seriously under-inflated or flat. Re-inflating a tire after

it has been driven severely under-inflated or flat may cause a blowout and a serious crash.

Do not use the tire repair kit if the tire is separated from the wheel, has damaged sidewalls, or a large puncture.

Only use the tire repair kit to seal damage located within the tire tread area and to seal punctures less than 1/4 inch (6mm) diameter.



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A - Tire tread repair area.

## USING THE TIRE REPAIR KIT

### **⚠ WARNING**

To prevent serious injury or death, take the following safety precautions when using the tire repair kit:

Only use the tire repair kit within the -22°F to 158°F (-30°C to +70°C) temperature range.

Never start the engine and leave it running when the vehicle is in an enclosed space.

Exhaust gases are poisonous and cause unconsciousness and death if inhaled.

If the tire inflation pressure does not reach 26 psi (1.8 bar, 180 kPa) within 7 minutes, the tire may have suffered excessive damage. A temporary repair will not be possible, and the vehicle should NOT be driven until the tire has been replaced.

Only use the tire repair kit for the vehicle with which it was supplied and do not use the tire repair kit for any other purpose than a tire repair.

Never leave the tire repair kit unattended when in use.

Always keep children and animals at a safe distance from the tire repair kit when in use.

### **⚠ CAUTION**

Avoid skin contact with the sealant which contains natural rubber latex and could cause skin irritation.

### **NOTICE**

*Do not attempt to remove foreign objects such as nails, screws, etc. from the tire.*

### **NOTICE**

*To prevent overheating, do not operate the compressor continuously for longer than 10 minutes.*

*Note: All vehicle drivers and occupants should be made aware that a temporary repair has been made to a tire fitted to the vehicle. They should also be made aware of the special driving conditions imposed when using a repaired tire.*

## REPAIR PROCEDURE

### **⚠ WARNING**

To prevent serious injury or death, take the following safety precautions:

Before attempting to repair a tire, ensure that the gear selector is in the Park (P) position, the engine is off, the parking brake is applied and the Smart key is removed from the vehicle. Turn on the hazard warning lamps.

Check the tire sidewall prior to inflation. If there are any cracks, bumps or similar damage, do not attempt to inflate the tire. Do not stand directly beside the tire while the compressor is pumping. Watch the tire sidewall. If any cracks, bumps or similar damage appear, turn off the compressor and let the air out by means of the pressure relief valve. Do not continue to use the tire.

Do not stand directly beside the tire while the compressor is pumping.

### **⚠ WARNING**

If the tire inflation pressure does not reach 26 psi (1.8 bar, 180 kPa) within 10 minutes, the tire may have suffered excessive damage. A temporary repair will not be possible, and the vehicle should NOT be driven until the tire has been replaced.

# Tire repair kit

## **⚠ WARNING**

**If any cracks, bumps or similar damage appears, immediately turn off the compressor and let the air out of the tire. Do NOT drive the vehicle until the damaged tire has been replaced.**

1. Open the tire repair kit and peel off the maximum speed label. Attach the label to the fascia in the driver's field of vision. Take care not to obstruct any of the instruments or warning lamps.

2. Uncoil the compressor power cable and the inflation hose.

3. Unscrew the orange cap from the sealant bottle receiver and the sealant bottle cap.

4. Screw the sealant bottle into the receiver (clockwise) until tight.

***Note:** Screwing the bottle onto the receiver will pierce the bottle's seal. Once the receiver has been fitted, a ratchet prevents it from being removed.*

5. Remove the valve cap from the damaged tire.

6. Remove the protective cap from the inflation hose. Connect the inflation hose to the tire valve ensuring that the hose is screwed on firmly.

7. Ensuring that the compressor switch is in the Off (0) position, insert the power cable connector into an auxiliary power socket, see **61, STORAGE COMPARTMENTS**.

Switch on the ignition, see **68, SWITCHING ON THE IGNITION**.

8. Switch on the compressor by positioning the switch to the (I) position.

9. Inflate the tire to a minimum of 26 psi (1.8 bar, 180 kPa) and a maximum of 51 psi (3.5 bar, 350 kPa).

***Note:** When pumping the sealant through the tire valve, the pressure may rise up to 87 psi (6 bar, 600 kPa). The pressure will drop again after approximately 30 seconds.*

10. During the inflation, switch the compressor off briefly, to check the tire pressure using the gauge mounted on the compressor.

***Note:** It should not take longer than 10 minutes to inflate the tire. If, after a maximum of 10 minutes, the tire has not yet reached minimum pressure, the tire should not be used.*

11. Once the tire has been inflated to the required pressure, switch off the compressor. If desired, the ignition may be turned off after the compressor has been turned off.

12. Remove the power connector from the auxiliary power socket.

13. Remove the inflation hose from the tire valve, by unscrewing it as quickly as possible (counter-clockwise).

14. Replace the inflation hose protective cap and the tire valve cap.

15. Ensure that the tire repair kit (including the bottle and receiver caps) are placed securely in the vehicle. You will need to use the kit to check the tire pressure after a maximum of 6 miles (10 km), so ensure they are easily accessible.

16. Immediately drive the vehicle for a maximum of 6 miles (10 km), to allow the sealant to coat the inner surface of the tire and form a seal at the puncture.



## CHECKING THE TIRE PRESSURE AFTER A REPAIR

### **⚠ WARNING**

When driving the vehicle, if you experience vibrations, abnormal steering, or noises, reduce speed immediately. Drive with extreme caution and reduced speed, to the first safe place to stop the vehicle. Visually examine the tire and check its pressure. If there are any signs of damage or deformity to the tire, or the tire pressure is below 19 psi (1.3 bar), do not continue driving.

### **⚠ WARNING**

Never exceed 50 mph (80 km/h) when a damaged tire has been repaired using the tire repair kit.

The maximum distance that should be driven when a repaired tire is fitted, is 125 miles (200 km).

### **⚠ WARNING**

Consult a tire repair center or your Dealer/Authorized Repairer, for advice concerning the replacement of a tire after using a tire repair kit.

After repairing a damaged tire, take the following steps:

1. Immediately drive the vehicle for 6 miles (10 km) then stop in a safe place. Carry out a visual examination of the tire's condition.
  2. Remove the repair kit from the vehicle.
  3. Screw the inflation hose connector firmly onto the tire valve.
  4. Read the tire pressure from the gauge.
  5. If the pressure of the sealant filled tire is above 19 psi (1.3 bar) adjust the pressure to the correct value.
  6. Ensure that the compressor switch is in the off (O) position and insert the power cable connector into the auxiliary power socket.
- Switch on the ignition.
7. Switch the compressor to on (I) and inflate the tire to the correct pressure, see **164, TIRE PRESSURES**.
  8. To check the tire pressure, turn off the compressor then read the pressure from the gauge.
  9. When the compressor is off, if the tire pressure is too high, release the required amount of pressure using the pressure release valve.
  10. Once the tire is inflated to the correct pressure, switch off the compressor and remove the power plug from the auxiliary socket.
- Note: The use of the tire repair kit sealant may lead to error prompts and incorrect readings of the Tire Pressure Monitoring System (TPMS). Therefore, use the tire repair kit pressure gauge to check and adjust the damaged tire's inflation pressure.*
11. Unscrew the inflation hose connector from the tire valve, replace the tire valve cap and the inflation hose connector protective cap.
  12. Ensure that the tire repair kit is placed securely in the vehicle.
  13. Drive to the nearest tire repair center or Dealer/Authorized Repairer, for a replacement tire to be fitted. Ensure that you make the repair center aware that the tire repair kit has been used before the tire is removed.
  14. The tire inflation hose, the receiver and the sealant bottle must be replaced once a new tire has been fitted.

# Tire repair kit



Only sealant bottles which are completely empty should be disposed of with normal household waste. Sealant bottles which contain some sealant, and the tire inflation hose, should be disposed of by a tire specialist or your Dealer/Authorized Repairer in compliance with local waste disposal regulations.

## WHEEL CHANGING SAFETY

Before raising the vehicle, or changing a wheel make sure that you read, and comply with the following warnings. Failure to do so may result in serious injury or death.

### **⚠WARNING**

Always find a safe place to stop, off the highway and away from traffic.

Always switch on the hazard warning lamps to alert all traffic of the obstruction.

Apply the parking brake, and engage Park (P). Turn the engine off and remove the Smart key from the vehicle. Failure to do so can result in unexpected movement of the vehicle causing serious injury or death.

### **⚠WARNING**

Make sure that all passengers, and animals, are out of the vehicle and in a safe place away from the highway.

Always place a warning triangle at a suitable distance behind the vehicle, facing towards oncoming traffic.

### **⚠WARNING**

Make sure that the vehicle and jack are both on firm level ground. Do not jack the vehicle if it is over a metal grating or manhole cover.

Make sure that the front wheels are in the straight ahead position, and engage the steering lock.

### **⚠WARNING**

Remove the spare wheel prior to jacking the vehicle, to avoid destabilizing the vehicle when raised.

### **⚠WARNING**

When one rear wheel is lifted off the ground, the selection of Park (P) position will not prevent the vehicle from moving and possibly slipping off the jack as the parking brake only operates on the rear wheels.

Always chock the wheel diagonally opposite the wheel to be changed, using the wheel chock supplied in the tool kit. Chock the front of a front wheel, or the rear of a rear wheel.

If jacking the vehicle on a slight slope is unavoidable, place chocks on the downhill side of the two opposite wheels. An additional chock will be needed.

### **⚠WARNING**

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

Do not attempt to raise the vehicle unless the jack head is fully engaged in the jacking point. Only jack the vehicle using the approved jacking points.

Always position the jack from the side of the vehicle, in line with the appropriate jacking point.

Always use the complete jacking lever assembly throughout, to minimize any chance of accidental injury.

### **⚠WARNING**

THAT NO PERSON SHOULD PLACE ANY PORTION OF THEIR BODY UNDER A VEHICLE THAT IS SUPPORTED BY A JACK.

# Wheel changing

## **⚠WARNING**

Take care when lifting the spare wheel, and removing the punctured wheel. The wheels are heavy, and can cause injuries if not handled correctly.

Take care when loosening the wheel nuts. The wheel brace may slip off if not properly attached, and the wheel nuts may give way suddenly. Either unexpected movement may cause an injury.

Always make sure replacement tires have the correct rating and specifications (e.g. load index, size, speed rating) for your vehicle.

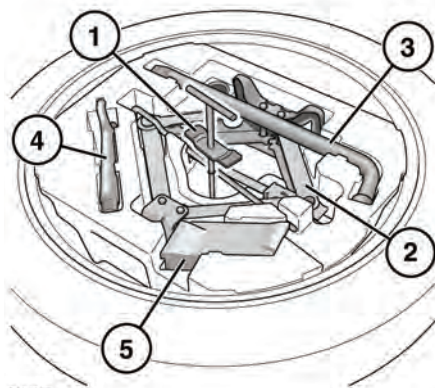
## **⚠WARNING**

Do not start or run the engine while the vehicle is supported only by a jack.

## **⚠WARNING**

After wheel changing, always secure tools, chocks, jack and replaced wheel in their correct storage positions. Such objects, if not properly stowed, can become flying missiles in a crash or rollover, potentially causing injury or death.

## WHEEL CHANGING



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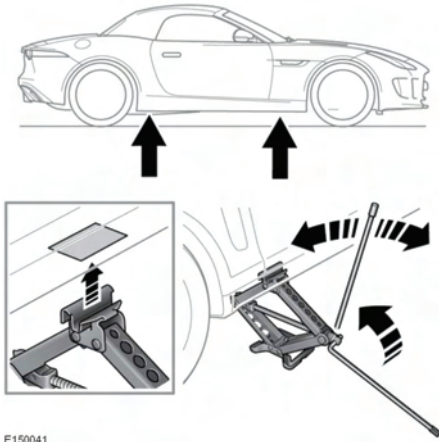
**Note:** Vehicles with a convertible roof do not facilitate stowage of a full size wheel and tire.

Open the luggage compartment lid, see **63**, **OPENING AND CLOSING THE LUGGAGE COMPARTMENT**.

1. Temporary spare wheel retaining bolt and clamp.
2. Jack: Observe the instructions printed on the jack.
3. Wheel brace.
4. Towing eye.
5. Wheel chock.

To remove the spare wheel and tool tray, unscrew and remove the retaining bolt and clamp (1).

Before raising the vehicle, use the wheel nut brace to slacken the wheel nuts half a turn counter-clockwise.

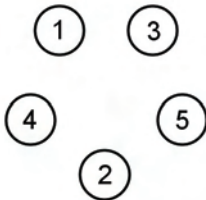


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There are four jacking points on the underside of the floor. Two indented, triangular indicators are provided on each sill cover. These indicate the location for the jack.

Raise the vehicle with the jack until the tire being lifted just clears the ground. Operate the jack with a slow and steady motion. Avoid sudden and erratic actions as they may cause the vehicle/jack to become unstable.

**Note:** To remove the center badge use the plastic tipped end of the wheel nut wrench handle, push the center badge from its housing from the inside of the wheel.



E132675

Using the wheel nut wrench, lightly tighten the wheel nuts alternately using the sequence shown in the illustration.

Lower the jack, then tighten the wheel nuts fully, in the same sequence shown. Do not overtighten by using foot pressure or extension bars on the wheel nut wrench.

At the earliest opportunity have the wheel nuts tightened with a torque wrench to 92 lb.ft (125 Nm).

This torque must not be exceeded.

## IMPORTANT – USE OF SPARE TIRE

### ⚠ WARNING

Adhere to the instructions on the temporary spare warning label, affixed to the wheel.

### ⚠ WARNING

Where fitted the temporary use spare wheel is **FOR TEMPORARY USE ONLY**. Drive with caution while the temporary spare wheel is fitted. Ensure that an original size wheel and tire are fitted as soon as possible.

### ⚠ WARNING

Do not fit more than one temporary spare wheel on the vehicle at any one time.

### ⚠ WARNING

Do not exceed 50 mph (80 km/h) while the temporary spare wheel is fitted.

### ⚠ WARNING

The tire pressure in the temporary spare wheel should be 60 psi (4.2 Bar/420 kPa).

### ⚠ WARNING

DSC must be switched on while the temporary spare wheel is in use.

### ⚠ WARNING

Traction devices such as snow chains cannot be used with a temporary spare wheel.

# Vehicle recovery

## TOWING EYES

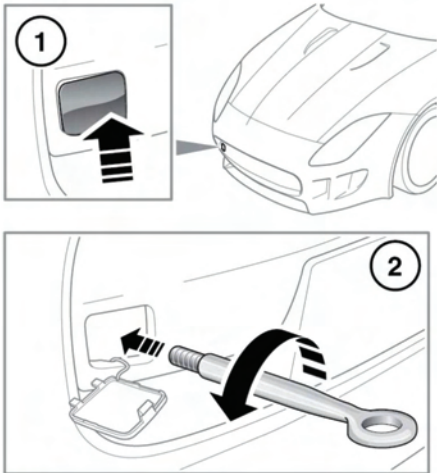
### **⚠ WARNING**

The towing eye at the front is designed for on-road recovery only. If it is used for any other purpose, it may result in vehicle damage and cause serious injury or death.

### **⚠ CAUTION**

Do not tow the vehicle on all 4 wheels.

## ATTACHING THE FRONT TOWING EYE



For vehicles supplied with a spare wheel, the front towing eye is included in the vehicle tool kit, located in the luggage compartment. See **180, WHEEL CHANGING**.

For vehicles not supplied with a spare wheel, lift up the small access panel in the left side, forward section of the luggage compartment floor covering.

1. Pop out the cover in the front bumper.

2. Locate the towing eye through the bumper and screw the towing eye counter-clockwise into its fixing, until secure.

## TRANSPORTING THE VEHICLE

### **⚠ WARNING**

Use extreme caution when moving or towing the vehicle. Death or serious injury may occur.

### **NOTICE**

Only use the lashing points or over-tire tie-downs. Lashing over the body or suspension is not permissible, as settling of the suspension will cause lashing straps to slacken.

### **NOTICE**

Make sure the rear spoiler is in the fully closed position before transporting the vehicle.

The recommended method for recovery/transportation of the vehicle, is on a transporter or trailer designed for that purpose.

Make sure that transportation is carried out by suitably qualified persons, and that the vehicle is secured correctly.

To allow the vehicle to roll freely, the transmission will need to be released from Park (P) via the use of the Emergency park release.

## BEFORE STARTING OR DRIVING

### **WARNING**

If the vehicle is involved in a collision it should be checked by a Dealer/Authorized Repairer, or suitably qualified personnel, before starting or driving.

## EVENT DATA RECORDING

This vehicle is equipped with an Event Data Recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating;
- Whether or not the driver and passenger safety belts were buckled/fastened;
- How far (if at all) the driver was pressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

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

***Note:** EDR data are recorded by your vehicle only if a non-trivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation. To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.*

# Vehicle labels

## LABEL LOCATIONS



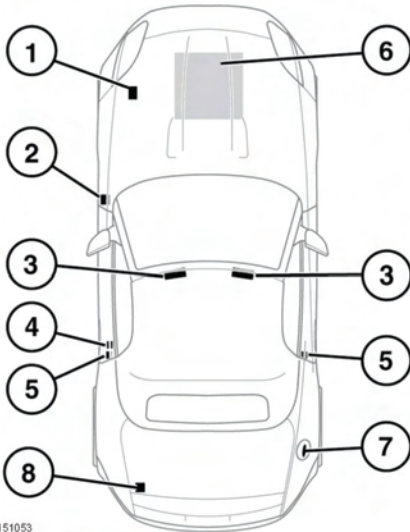
Warning labels attached to your vehicle bearing this symbol mean: Do not touch or adjust components until you have read the relevant instructions in the handbook.



Labels showing this symbol indicate that the ignition system utilizes very high voltages. Do not touch any ignition components while the starter switch is turned on.

Labels are applied to draw your attention to important subjects (e.g. tire pressures, air bags, engine compartment hazards, etc.).

Additional information labels may also be found at these locations:



1. Air conditioning label - Left side inner fender.

2. Vehicle identification plate, including the Vehicle Identification Number (VIN) and recommended maximum vehicle weights - Left side B pillar.

**Note:** The VIN number is also etched onto a plate, visible through the bottom left side of the windshield and stamped into the vehicle body next to the suspension turret.

3. Air bag label - Both sun visors.

4. Tire pressure label - B pillar driver's side.

5. Air bag warning labels - B pillar. The Side head/thorax air bag label is on both sides, the Passenger air bag label is on the passenger side only.

6. Engine number - Front of right side camshaft cover.

7. Fuel specification label - Inner face of the fuel filler flap.

8. Battery warning symbols - Top face of the battery.

It is important that you are familiar with these subjects to ensure that your vehicle and its features are used safely. Using the index at the back of this handbook, refer to the relevant topic for more information.

E151053



## ENGINE SPECIFICATIONS

Data	3.0L	5.0L
Number of cylinders	6	8
Displacement (cc)	2995	5000
Firing order	1-4-2-5-3-6	1-5-4-2-6-3-7-8
Compression ratio	10.5:1	9.5:1

## LUBRICANTS AND FLUIDS

Part	Engine variant	Specification
Engine oil	All vehicles	SAE 0W-20 engine oil meeting specification STJLR.51.5122.
Power steering fluid	All vehicles	Mobil ATF320 PAS fluid.
Brake fluid	All vehicles	Low viscosity, synthetic compatible DOT4 brake fluid that meets ISO 4925 specification.
Washer fluid	All vehicles	Screen wash with frost protection, diluted with clean water to the ratio specified on the screen wash bottle.
Engine coolant fluid	All vehicles	50% mixture of water and antifreeze, specification WSS M97B44 (colored orange) Extended Life Coolant.

If in doubt about the required specification of a lubricant or fluid for your vehicle, seek advice from a Dealer/Authorized Repairer.

# Technical specifications

## WEIGHTS

Vehicle engine size (power output)	Vehicle weight from lbs (kg)	Gross Vehicle Weight (GVW) <sup>1</sup> lbs (kg)	Maximum front axle load <sup>2</sup> lbs (kg)	Maximum rear axle load <sup>2</sup> lbs (kg)
3.0L (340 PS)	3521 (1597)	4464 (2025)	2315 (1050)	2425 (1100)
3.0L (380 PS)	3558 (1614)	4464 (2025)	2315 (1050)	2425 (1100)
5.0L (495 PS)	3671 (1665)	4464 (2025)	2315 (1050)	2425 (1100)

**Max. luggage compartment load** (all vehicles): 31 lbs (14 kg).

The maximum permitted luggage compartment load can be exceeded, provided the requirements regarding the maximum permissible axle weights and tire pressures are followed.

<sup>1</sup> The maximum permissible weight of the vehicle including passenger and load.

<sup>2</sup> The front and rear axle maximum loads can not be reached simultaneously as this will exceed the GVW limit.

**Note:** This vehicle is **not** designed to be used as a towing vehicle, therefore a Gross Train Weight is not applicable.

### **WARNING**

**Do not exceed the vehicle capacity weight (the total weight of driver, passenger and cargo) given on the tire information label.**

Steps for determining the correct load limit:

1. Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs” on your vehicle’s placard.
2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
4. The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the “XXX” amount equals 1400 lbs. and there will be five 150 lb. passengers in your vehicle, the

amount of available cargo and luggage load capacity is 650 lbs.

(1400 - 750 (5 x 150) = 650 lbs).

5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.
6. If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

The number and weight of passengers will affect the cargo and luggage capacity. In the example above, the cargo and luggage load capacity is 650 lbs. However, if fewer passengers ride in the vehicle, the luggage load capacity will increase. If this vehicle carries three 150 lb passengers, the cargo and luggage load capacity will increase to 950 lbs:

(3 x 150 = 450 lbs, and 1400 - 450 = 950 lbs).

If the passengers weigh more, the cargo and luggage load capacity will decrease.

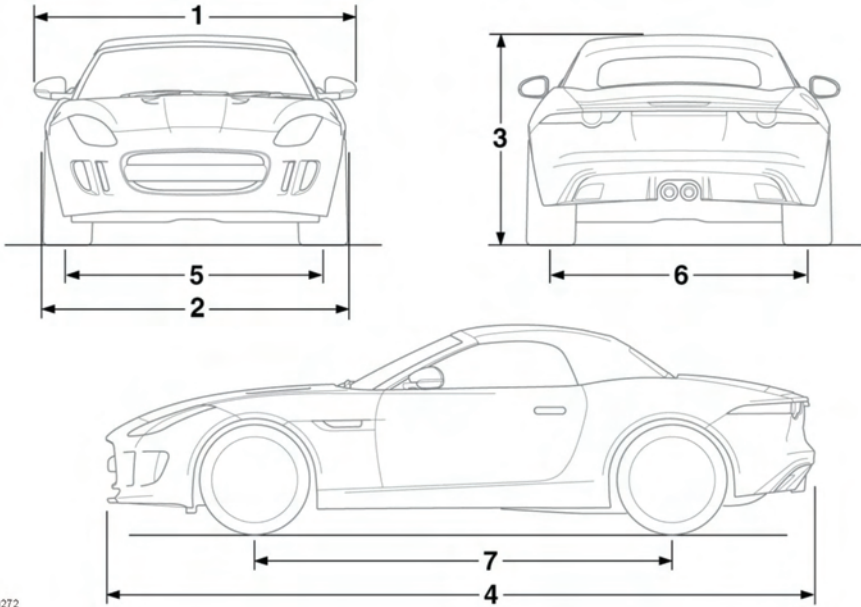
## **⚠ WARNING**

The weight of accessories must also be subtracted from the cargo and luggage load capacity. If you are unsure of the weight of any accessories fitted to your vehicle, contact a Dealer/Authorized Repairer.

Overloading the vehicle will have an adverse affect on braking and handling characteristics, which could compromise your safety. Overloading a vehicle may also cause tire damage or failure. Never overload your vehicle.

# Technical specifications

## DIMENSIONS



E149272

Item	Description	inches (mm)
1	Width	80.7 (2049)
2	Width with mirrors folded	75.7 (1923)
3	Overall height - 3.0L	51.5 (1308)
	5.0L	51.9 (1319)
4	Overall length	176 (4470)
5	Track (front) - 18 inch wheels	62.8 (1597)
	19 inch wheels	62.8 (1597)
	20 inch wheels	62.4 (1585)
6	Track (rear) - 18 inch wheels	64.9 (1649)
	19 inch wheels	64.9 (1649)
	20 inch wheels	64.1 (1627)
7	Wheelbase	103.2 (2622)
-	Turning circle (curb to curb)	35.11 feet (10.7 meters)

## CAPACITIES

Item	Variant	Capacity - pints (liters)
Engine oil refill and filter change	All vehicles	15.3 (7.25)
Washer reservoir	All vehicles	11.6 (5.5)
Engine cooling system	3.0L	20.3 (9.6)
	5.0L	19.4 (9.2)

The quoted capacities are approximate and provided as a guide only. All levels must be checked using the level marks or information displayed in the Message center, as applicable.

For fuel tank capacities, see **133, FUEL TANK CAPACITY**.

## BULB SPECIFICATION

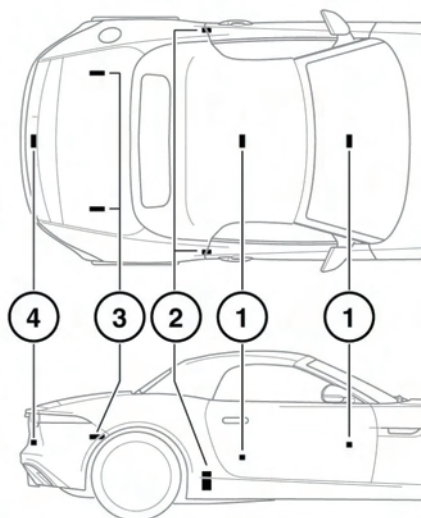
Lamp	Specification	Watts
* Reversing lamps	P21W	21
* Rear fog lamps	P21W	21

**Note:** \* 3.0L vehicles only.

### NOTICE

All other lamps are non-serviceable. If any other lamp should fail, consult a Dealer/Authorized Repairer.

## REMOTE KEY FOB TRANSMITTER LOCATIONS



E149270

1. Cabin transmitters.
2. Door handle transmitters.
3. Luggage compartment interior transmitters.
4. Luggage compartment exterior transmitter.

# Technical specifications

## **⚠ WARNING**

**Any person fitted with an implanted medical device should ensure that the device is kept at a distance of at least 8.7 inches (22 cm) away from any transmitter mounted in the vehicle. This is to avoid any possibility of interference between the system and device.**

### **Radio Frequency Spectrum Regulation Statement**

#### **USA**

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

#### **Canada**

This device complies with Industry Canada Standard IC - RSS-210: Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The key system transmitter radio frequency approval numbers for the USA and Canada are shown below:

<b>USA FCC ID:</b>	KOBJTF10B KOBJLR09A KOBJBG10A KOBJBG10B
<b>Canada IC:</b>	3521A-JTF10B 3521-JLR09A 3521-JBG10A 3521-JBG10B

**Note:** *The manufacturer is not responsible for any radio interference or TV interference caused by unauthorized modifications to this equipment. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

#### **NOTICE**

*The Smart key may suffer interference from other legal users of this radio frequency band, such as radio amateurs, medical equipment, remote controls or alarm systems. To lock or unlock the vehicle in such a situation, either use a key or operate the key transmitter as close to the security antenna as possible.*

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# Controls overview

## DRIVER CONTROLS

*Note: Numbers in brackets refer to the page number where additional information can be found.*

1. Reading lamp (43).
2. Interior courtesy lamp (43).
3. Passenger air bag status indicator lamp (30).
4. Central locking/unlocking (12).
5. Seat adjustment (15/16).
6. Driving position memory (17).
7. Trip computer (34).
8. Indicator/headlamp controls (40).
9. Gearshift down (73).
10. Telephone (115).
11. Instrument panel (33).
12. Heated steering wheel (19).
13. Gearshift down (73).
14. Wiper/washers controls (44).
15. Home menu (56).
16. Climate menu (59).
17. Touch screen on/off or Parking aids (56/85).
18. Touch screen setup or Rear camera (57/87).
19. Audio/video source selection (56).
20. Phone menu (111).
21. Audio/video menu (92).
22. Navigation menu (120).
23. Touch screen (56).
24. Glove box release (touch to open).
25. Climate controls (59).
26. Auxiliary power socket (61).
27. Gear selector (73).
28. Audio/video system on/off and volume control (92).
29. Active exhaust (70).
30. Convertible roof control (64).
31. Deployable rear spoiler (80).
32. Intelligent stop/start (71).
33. Parking brake (84).
34. Dynamic stability control (76).
35. Jaguardrive controls (77).
36. START/STOP button (68).
37. Heated rear screen (59).
38. Heated front screen (59).
39. Maximum defrost (59).
40. Hazard warning lamps on/off.
41. Recirculation (climate control) (59).
42. Air conditioning on/off (59).
43. Auto mode (climate control) (59).
44. Cruise control and Automatic speed limiter (91/90).
45. Horn (press to operate)/Driver's air bag (27).
46. Steering column adjuster (19).
47. Audio/video source selection (56).
48. Audio/video and telephone controls (92/115)/Instrument panel menu controls (33).
49. Instrument illumination - rotate to adjust.
50. Hood release (136).
51. Rear fog lamps (40).
52. Luggage compartment release (63).
53. Exterior mirror controls (46).
54. Window controls (55).

