



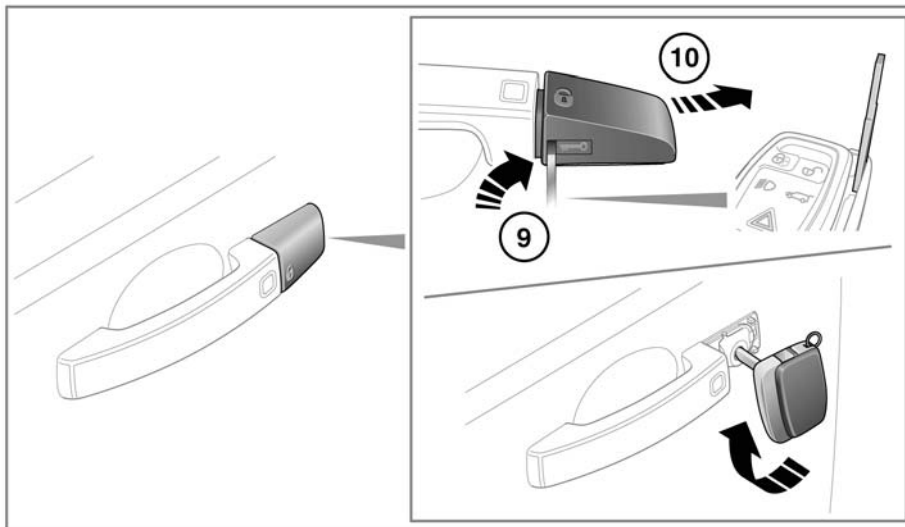
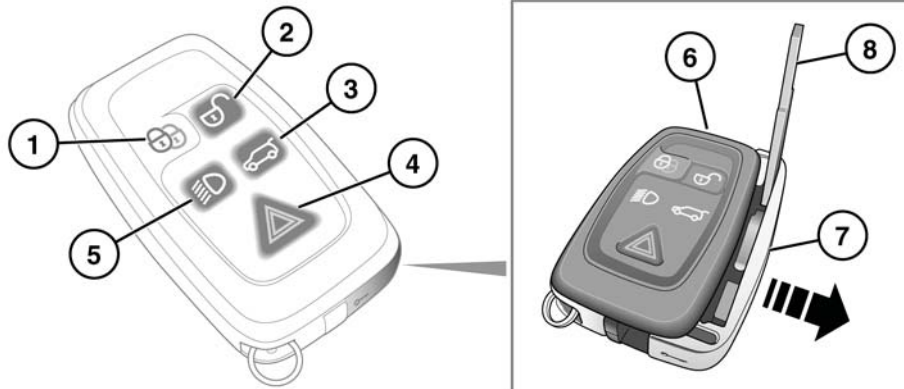
DISCOVERY 4

OWNER'S HANDBOOK

Publication Part No. LRL 10 02 53 111

Entering the vehicle

UNLOCKING THE VEHICLE



SL1041

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

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

Entering the vehicle

Note: If any door or the tailgate is unlocked 10 times within a short period, the latch is disabled for approximately one minute.

The vehicle is supplied with 2 Smart Keys. The Smart Keys act as remote controls for the locking and alarm system, and allow the vehicle to be locked, unlocked and driven without the use of a conventional key. See **7, KEYLESS ENTRY, 11, KEYLESS LOCKING** and **78, KEYLESS STARTING**.

1. Lock:

- Press once to single lock the vehicle. All doors and the tailgate will lock (but can still be unlocked from inside) and the perimeter alarm will arm. See **9, SINGLE LOCKING AND PERIMETER ALARM**.
- Press twice (within 3 seconds) to double lock the vehicle. All doors and the tailgate will lock (and cannot be unlocked from inside the vehicle) and both the perimeter alarm and interior space protection will be armed. See **9, DOUBLE LOCKING AND FULL ALARM**. See also **10, GLOBAL CLOSING**.

2. Unlock:

- Press briefly to unlock the vehicle and deactivate the alarm (see **6, SINGLE/MULTI-POINT ENTRY**). The hazard warning lamps will flash twice to indicate that the vehicle is unlocked and the alarm has been deactivated. The interior lamps will illuminate to assist entry to the vehicle. See also **6, GLOBAL OPENING**.

3. Tailgate release:

- Press briefly to release the tailgate. The vehicle security system will remain active while the tailgate is open, but intrusion and inclination sensing systems will be disabled.

On closing of the tailgate, the hazard warning lamps will flash after a few seconds to confirm the full alarm system has been reactivated (if previously armed). Also see **8, OPENING THE TAILGATE**.

4. Panic alarm:

- Press and hold for 3 seconds (or press 3 times within 3 seconds) to activate the horn and the hazard lamps.

Note: The horn and hazard lamps will switch off automatically after 2 minutes and 45 seconds.

- Once active for more than 5 seconds, the alarm can be cancelled by pressing the button and holding for 3 seconds (or pressing 3 times within 3 seconds).
- The emergency alarm will also be cancelled if a valid smart key is present when the START/STOP button is pressed.

5. Approach lighting:

- When approaching the vehicle during darkness, press to switch on the approach illumination. Press again to turn the approach lamps off.
- The approach illumination period set at the factory is 30 seconds. This delay period may be configured to provide illumination lasting between 0 and 180 seconds. See **58, VEHICLE INFORMATION AND SETTINGS MENU**.

6. Key blade release tab.

7. Slide out to expose key blade.

8. Key blade.

Entering the vehicle

9. Insert the key blade into the slot at the base of the door lock cover and gently lever the key blade upwards.

Carefully twist the key blade, to lever the cover off the retaining clips.

10. Insert the key blade into the exposed lock to operate.

To lock: Ensure all doors are closed, then turn the key blade towards the front of the vehicle and release. This will lock the doors but will not arm the alarm.

To unlock: Turn the key blade towards the rear of the vehicle and release. If the security system is disarmed, all doors and the taildoor will be unlocked. If the security system is armed, only the driver's door will unlock.

If the vehicle is unlocked using the emergency key blade with the security system armed, the alarm will sound when the 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.

Note: A replacement Smart Key can only be obtained from your Land Rover Dealer/ Authorised Repairer. The Dealer will require proof of ownership.

Notify your Dealer immediately if a Smart Key is lost or stolen.

Note: The fuel filler flap can only be opened when the vehicle is unlocked.

AUTOMATIC RELOCKING

If a door or the tailgate are not opened within 1 minute of unlocking the vehicle, doors will lock again automatically.

SINGLE/MULTI-POINT ENTRY

When you press the unlock button, your vehicle will unlock in one of two ways:

1. Single Point Entry: Unlocks the driver's door and fuel filler flap only. A second press is required to unlock the remaining doors and the tailgate.
2. Multi Point Entry: Unlocks all doors, fuel filler flap and the tailgate on the first press.

Single point entry can be disabled on individual Smart Keys by unlocking the vehicle then simultaneously pressing and holding the lock and unlock buttons for 3 seconds. The vehicle will lock and then unlock and the hazard warning lights will flash twice to confirm the change. You can now unlock all doors with a single press. Repeating the procedure will re-enable Single point entry.

This feature may also be set via the settings menu. See **58, VEHICLE INFORMATION AND SETTINGS MENU**.

GLOBAL OPENING

Press and hold the unlock button for 3 seconds to unlock the vehicle and open all of the windows.

To cancel global opening, press any of the buttons on the smart key or operate the driver's window switch. To stop a particular window opening, operate the relevant window switch.

This feature can be enabled/disabled via the Vehicle settings menu (see **58, VEHICLE INFORMATION AND SETTINGS MENU**).

Entering the vehicle

KEYLESS ENTRY

Keyless entry allows the vehicle to be unlocked or disarmed, simply by operating any door handle. For keyless entry to activate, the Smart Key must be within 1.0m (3 feet) of the door handle when it is operated. When keyless entry operates, the alarm will be disarmed and the doors unlocked according to the current security setting (single or multipoint entry). The hazard warning lamps will flash twice as confirmation (in some markets an audible warning will sound twice).

Note: The Smart Key needs only to be on the driver's person or in a non-metallic bag or briefcase. It does not need to be exposed or handled.

Note: If single point entry is the current security setting, and a door other than the driver's door is opened first, the vehicle will behave as if multi-point entry is active (i.e. all doors will unlock).

DISARMING THE ALARM

When the vehicle is unlocked using the remote control, the alarm is automatically disabled. The hazard lamps will flash twice to indicate that the alarm is disabled.

DISARMING WHEN THE UNLOCK BUTTON FAILS TO WORK

If the unlock button fails to operate, the vehicle can still be unlocked and the alarm disabled. To unlock the vehicle:-

1. Unlock the drivers door using the key blade (see **4, UNLOCKING THE VEHICLE**, item **10**).
2. Position the Smart Key underneath the steering column (see **79, KEYLESS START BACKUP**).

Note: When the driver's door is unlocked using the key, the alarm will sound until the Smart Key is positioned correctly.

SMART KEY CHECK

Should the last door be closed without a Smart Key present inside the vehicle, the message Smart Key Not Found Place As Shown will be displayed for 4 seconds in the vehicle message centre, to alert the driver to the absence of a Smart Key. See **79, KEYLESS START BACKUP**.

DESELECTING VALET MODE

On entering the vehicle, enter your PIN into the display, and touch the **OK** soft key. See **11, VALET MODE**.

Note: If the PIN number is lost or forgotten, the vehicle should be returned to your Dealer/ Authorised Repairer to have the PIN reset.

STEERING COLUMN LOCK



During vehicle recovery, the Smart Key must remain inside the vehicle, so that the steering column remains unlocked.

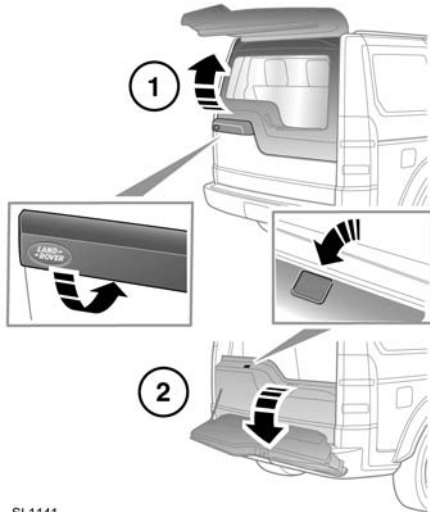
Your vehicle is fitted with an electronic steering column lock. The column unlocks when a Smart Key is detected inside the vehicle.

Any malfunction of the steering column lock will be indicated by the message **STEERING COLUMN LOCKED** being displayed in the message centre. If this occurs:

1. Lock and then unlock the vehicle using the Smart Key.
2. Try again to unlock the steering column lock, by turning the steering wheel gently to the left and right.
3. If the problem persists, seek qualified assistance immediately.

Entering the vehicle

OPENING THE TAILGATE



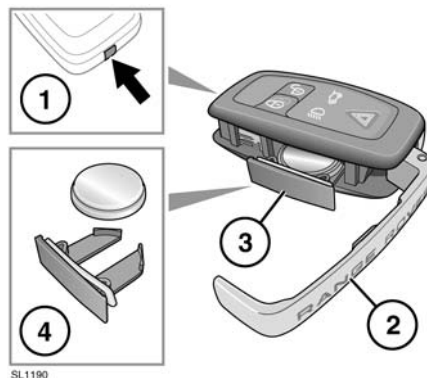
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Upper tailgate: Unlock the vehicle and press the touchpad (1) on the underside of the exterior handle. Pull the tailgate upwards to open.

Lower tailgate: With the upper tailgate open, press the touchpad on the lower tailgate waist moulding (2). Lower the tailgate to open.

CHANGING THE SMART KEY BATTERY

When the battery needs renewing, there will be a significant decrease in the effective range and the message **SMART KEY BATTERY LOW** will be displayed in the message centre.



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To renew the battery:

1. Press and hold the release button.
2. Open the side cover.
3. Remove the battery drawer and remove the battery.
4. Fit a new CR2032 type battery (available from your Dealer/Authorised Repairer), with the positive (+) side upwards.

Note: Avoid touching the new battery, as moisture/oil from fingers can reduce battery life and corrode the contacts.

Refit the parts in 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 your Dealer and/or your local authority.

LOCKING AND ARMING THE ALARM



Before exiting the vehicle, always ensure that the gear selector is in the Park (P) position, the engine is turned off, the parking brake is applied and the Smart Key is removed from the vehicle.

Press the lock button on the Smart Key briefly, to single lock the vehicle and activate the perimeter alarm. The hazard warning lamps will flash to confirm. A second press within three seconds will double lock the vehicle and activate the full alarm system. The hazard warning lamps will flash a second time to confirm the enhanced lock/alarm state.

Note: The fuel filler flap can only be opened when the vehicle is unlocked.

The vehicle can be locked in two ways.

SINGLE LOCKING AND PERIMETER ALARM

Single locking secures the vehicle and prevents the doors from being opened from outside. The doors may still be unlocked and opened from inside the vehicle. In this state, only the perimeter alarm is activated. The perimeter alarm will sound if:

- The bonnet, tailgate or a door are opened.
- The vehicle battery is disconnected.
- An attempt is made to disconnect the alarm siren.

Note: This setting should be used in circumstances such as travelling on a ferry, when pets are to be left in the vehicle, or if a window must be left open etc.

DOUBLE LOCKING AND FULL ALARM



Never double lock the vehicle with people, children, or pets inside. In the event of an emergency they would be unable to escape and the emergency services would be unable to release them quickly.

Double locking secures the vehicle and prevents the doors being opened from inside or outside of the vehicle. The doors cannot be unlocked or opened from inside the vehicle when double locked.

This provides additional security if the vehicle is left unattended. The vehicle cannot be opened by breaking a window and operating the door locks from inside.

Additionally, double locking also activates the full alarm system. Once activated the alarm system will sound if:

- The bonnet, tailgate or a door are opened.
- Movement is detected within the vehicle interior.
- A window, front or rear windscreen or sunroof glass are broken.
- The vehicle is raised or tilted.
- The vehicle battery is disconnected.
- An attempt is made to disconnect the alarm system.

Note: In this state, an open window or sunroof will cause the alarm to sound due to the movement of air currents. For this reason, ensure all windows and the sunroof are fully closed before double locking the vehicle.

Exiting the vehicle

INTERIOR PROTECTION

The interior protection feature of the full alarm system may be temporarily disabled via the Vehicle Settings menu. See **58, VEHICLE INFORMATION AND SETTINGS MENU**.

Note: Once enabled, this setting will activate the next time the vehicle is double locked with the Smart Key.

ALARM INDICATOR

An indicator in the instrument panel will flash whenever the alarm is active.

GLOBAL CLOSING



Ensure that no children, pets, or obstructions are in any open aperture before operating global closing. Safety mechanisms are in place to prevent serious injury, however injuries can still occur.

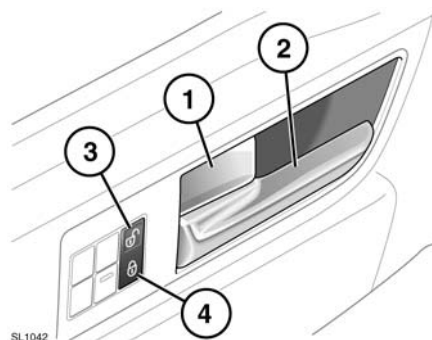
Press and hold the lock button for 3 seconds. The vehicle will single lock and the full alarm will be activated immediately. After 3 seconds any open windows will be closed. This feature can be enabled/disabled via the Vehicle settings menu (see **58, VEHICLE INFORMATION AND SETTINGS MENU**).

DRIVE-AWAY LOCKING

Drive-away locking automatically locks all the doors when the vehicle is in motion. This feature can be enabled/disabled via the Vehicle settings menu (see **58, VEHICLE INFORMATION AND SETTINGS MENU**).

Note: Pressing the lock or unlock button on the Smart Key will override drive-away locking for the current journey.

DOOR LOCKS AND RELEASE LEVERS



From inside the vehicle, all the doors can be locked by pressing either the driver or passenger lock lever (1).

Each rear door can be individually locked by pressing the appropriate locking lever.

To unlock and open a front door, pull the door handle (2). To unlock and open a rear door, first operate the lock lever, then pull the door handle.

Master lock/unlock buttons: To lock (4) or unlock (3) the vehicle press the respective button on the door.

Note: The master unlock button is inhibited when the vehicle is locked with the Smart Key.

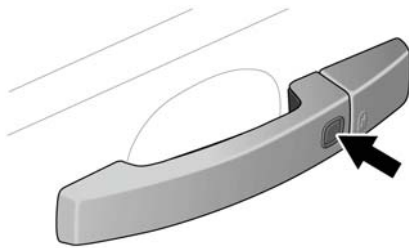
MISLOCK

When attempting to lock the vehicle, if one or more of the doors, the bonnet or the tailgate are not fully closed, the vehicle will fail to lock and the horn will emit two tones. The vehicle will not fully lock until all doors, the bonnet and the tailgate are completely closed.

KEYLESS LOCKING



Never double lock the vehicle with people, children or pets inside. In the event of an emergency they would be unable to escape, and the emergency services would be unable to release them quickly.



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The vehicle will not lock automatically.

- To single lock the vehicle press the keyless locking button (arrowed) on the door handle once. The hazard warning lamps will flash once to confirm. In some markets an audible warning will sound.
- To double lock the vehicle, press the keyless locking button (arrowed) twice within 3 seconds. The hazard warning lamps will flash twice to confirm (with a long second flash). In some markets a double audible warning will sound.

Note: Keyless locking will only activate if the Smart Key is detected outside the vehicle. If no Smart Key is present when the button is pressed, two warning tones will sound.

KEYLESS GLOBAL CLOSING

To initiate global window closing, press and hold the keyless locking button for 3 seconds. This will also lock the vehicle and activate the alarm.

Note: The windows will close only while the button is depressed. To fully secure the vehicle, continue to depress the button until all windows are fully closed.

DEACTIVATING THE ALARM WHEN TRIGGERED

If the alarm has been triggered it can be deactivated by pressing the Smart Key unlock button, or by positioning the Smart Key underneath the steering column (see 79, KEYLESS START BACKUP).

VALET MODE

Accessible directly from the home screen or from the Vehicle settings screen. Valet mode allows the vehicle to be driven, but leaves the luggage compartment locked and restricts use of the touch screen.

To enable Valet mode, enter a personally chosen four digit Personal Identification Number (PIN) into the soft key pad displayed on the touch screen. If you wish to cancel entry of the PIN, touch the **C** button at any time during PIN entry.

After entering the PIN, you will be prompted to enter the PIN again. Enter the same PIN and touch **OK** to confirm.

A pop-up screen is displayed, confirming your vehicle is now in Valet mode.

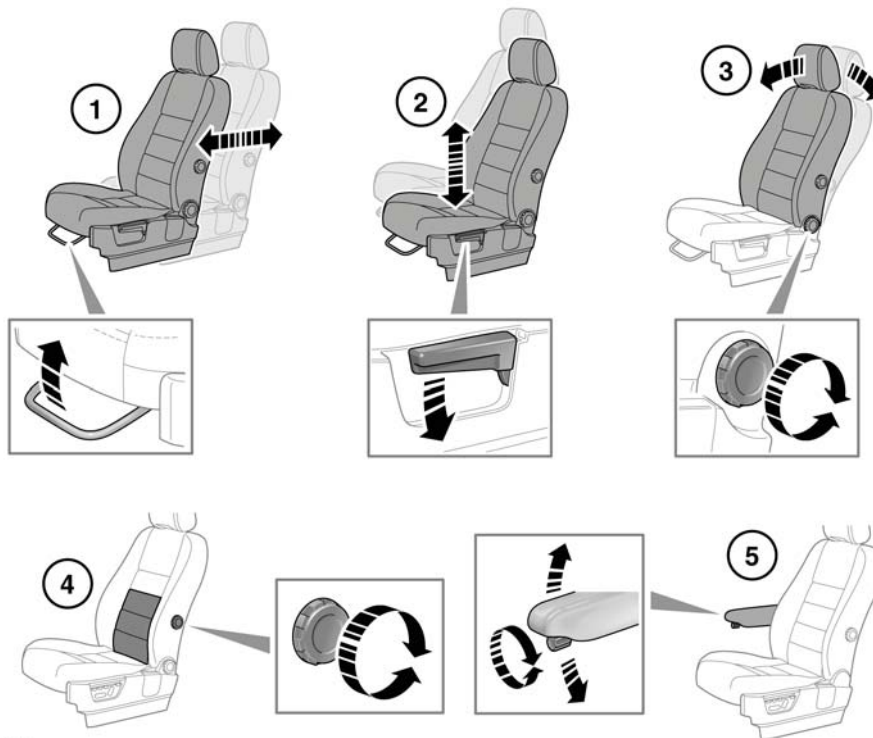
DESELECTING VALET MODE

On entering the vehicle, enter your PIN into the display, and touch the **OK** soft key.

Note: If the PIN number is lost or forgotten, the vehicle should be returned to your Dealer/ Authorised Repairer to have the PIN reset.

Front seats

MANUAL SEATS

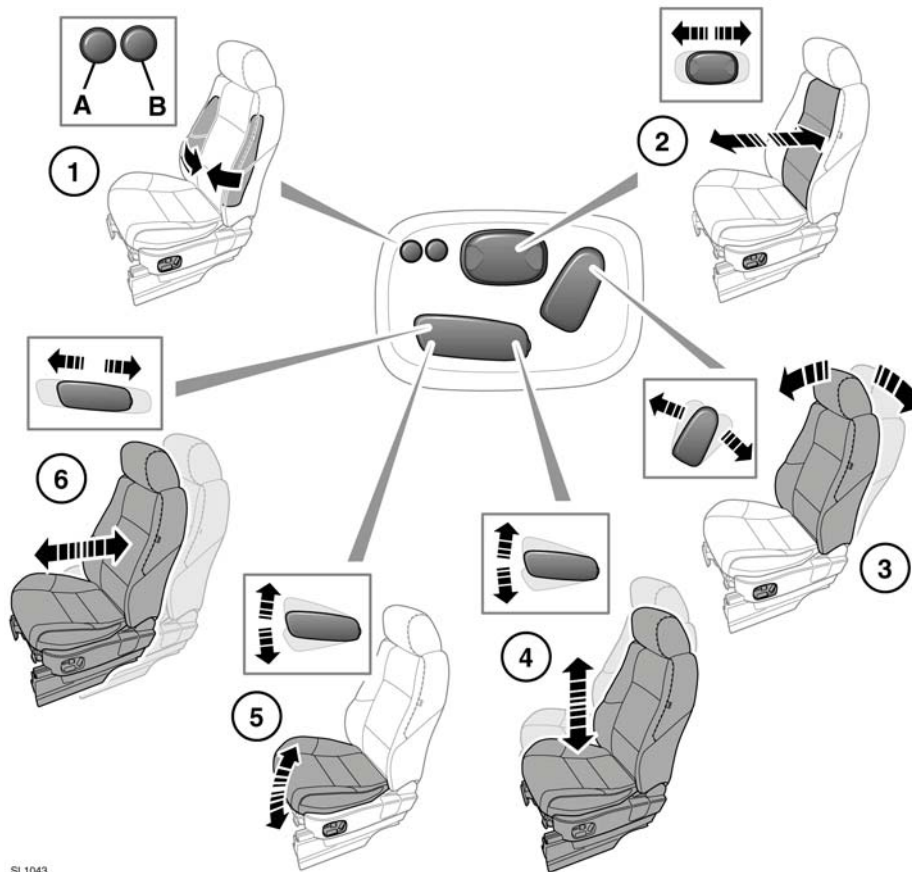


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⚠ Do not adjust the seat while the vehicle is moving. Doing so could cause loss of vehicle control and personal injury.

1. Fore and aft adjustment.
2. Height adjustment.
3. Backrest adjustment.
4. Lumbar support adjustment.
5. Armrest height adjustment.

ELECTRIC SEATS



SL1043

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

1. Bolster adjustment:
 - A. Bolster inflate.
 - B. Bolster deflate.
2. Lumbar support adjustment.

3. Backrest adjustment.
4. Height adjustment.
5. Cushion tilt adjustment.
6. Fore and aft adjustment.

To adjust the seats, the Smart Key must be in the vehicle and the ignition switched on.

Front seats

STALLED ADJUSTMENT

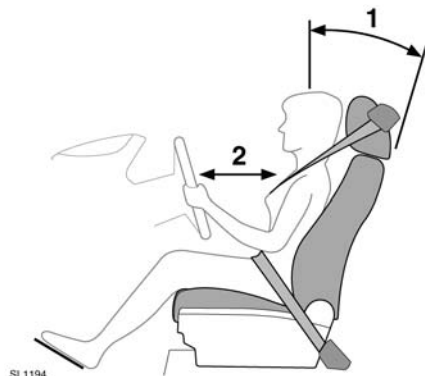
- ⚠ If seat movement stops unexpectedly during adjustment, check for and remove any obstructions.

Once any obstructions have been removed, the seat adjustment mechanism can be reset as follows:

Operate the button again, to continue the stalled adjustment, and hold in that position for 2 seconds. When seat movement resumes, hold the button until the end of travel in that direction has been reached. Seat adjustment can now be carried out as normal.

Note: If no obstructions can be seen, but normal adjustment cannot be carried out without stalling, contact your Land Rover Dealer/Approved Repairer.

SITTING IN THE CORRECT POSITION



- ⚠ **The driver and front seat passenger must not ride with the seat fully reclined.**

- ⚠ **Do not adjust the seat while the vehicle is moving.**

The seat, head restraint, seat belt and airbags, all contribute to the protection of the user. Correct use of these components will give you greater protection. Therefore, you should always observe the following points:

1. Sit in an upright position with the base of your spine as far back as possible and the seatback reclined no more than 30 degrees.
 2. Do not move the driver's seat too close to the steering wheel. Ideally, a minimum distance of 254 mm (10 inches) is recommended between the breastbone and the steering wheel airbag cover. Hold the steering wheel in the correct position, with your arms slightly bent.
- Adjust the head restraint so that the top of the head restraint is above the centre line of the head.
 - Position the seat belt so that it is mid-way between your neck and your shoulder. Fit the strap tightly across your hips, not across your stomach.
 - Ensure that your driving position is comfortable and enables you to maintain full control of the vehicle.

FOLDING ARMREST

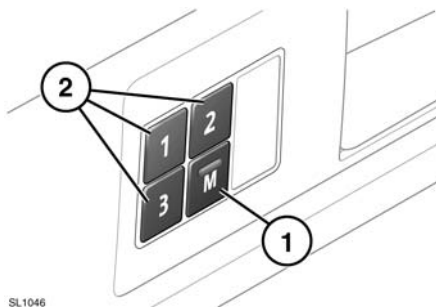


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If fitted, the folding armrest may be stowed by moving to the vertical position. Use the adjuster wheel (arrowed) to set the required height.

DRIVING POSITION MEMORY

Once you have adjusted the power operated driver's seat, steering column (see **22, ADJUSTING THE STEERING COLUMN**) and exterior mirrors (see **47, ELECTRIC EXTERIOR MIRRORS**) for your ideal driving position, the vehicle can memorise these settings for future use.



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1. Press the memory store (M) button to activate the memory function. The switch indicator will illuminate.

2. Press one of the preset buttons within 5 seconds to memorise the current settings. **MEMORY (1, 2 or 3) SETTINGS SAVED** will be displayed on the message centre, accompanied by an audible chime to confirm the settings have been memorised.
3. To recall a stored position press the relevant preset button. **MEMORY (1, 2 OR 3) RECALLED** will be displayed in the message centre.

A seat position will only be memorised during the 5 second active period.

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

ENTRY AND EXIT MODE

Entry and exit mode provides automatic movement of the steering column and driver's seat making it easier to enter or exit the vehicle. When enabled, on opening the driver's door the system will raise the steering column to the highest position, and lower the driver's seat to the lowest position assisting with exit from the vehicle.

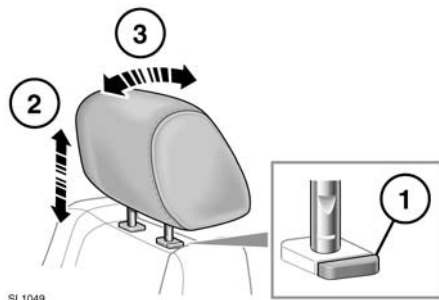
When the driver's door is closed and the ignition turned on, the system will return the driver's seat and steering column to the previous position.






This feature is enabled by setting the steering column adjustment switch to the AUTO position. See **22, ADJUSTING THE STEERING COLUMN**.

Note: If the driver's seat or steering column are adjusted during entry or exit operation, automatic movement will stop.

Front seats

FRONT HEAD RESTRAINTS



-  **Adjust the head restraint so that the top of the head restraint is above the centre line of the head. An incorrectly adjusted head restraint increases the risk of death or serious injury in the event of a collision.**
-  **It is possible to swivel the head restraint forwards or backwards. For greater protection in the event of a collision, the head restraint should be adjusted so that it is as close to the back of the head as is practical.**
-  **Do not drive, or carry passengers with the head restraints removed from occupied seats. The absence of a correctly adjusted head restraint increases the risk of neck injury in the event of a collision.**
-  **Never adjust the head restraints while the vehicle is in motion.**
-  **Always store a removed head restraint securely.**

1. Press the locking collar to release the head restraint.
2. Whilst pressing the locking collar, move the head restraint up or down to the required position.
3. Manually tilt the head restraint so that it is as close to the back of the head as is practical.



Manual head restraints may be removed, if required (e.g. to fit larger child seats). Raise the head restraint to its uppermost position and press the locking collar. Lift the restraint out of the seatback.

Ensure the head restraint is refitted before the seat is used by a passenger.

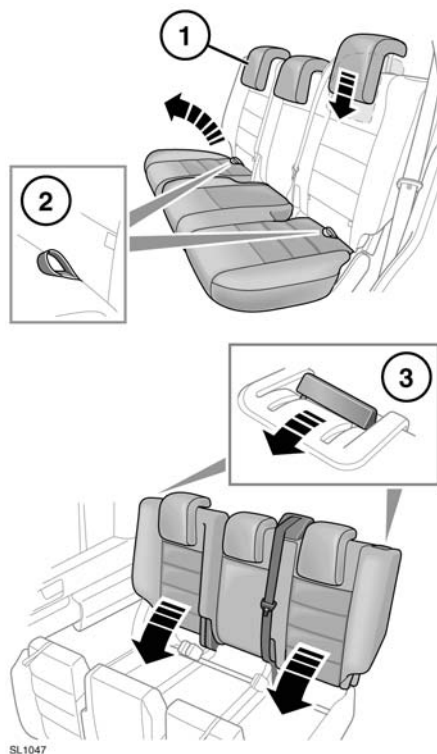
To refit the head restraint, ensure it is facing the correct direction, insert the stems of the head restraint into the sockets and push it downwards until at least the first click.

Note: Refer to **26, CHILD SEATS**, for details on correct child restraint fitment.

FOLDING AND ERECTING THE REAR SEATS

-  Always ensure that objects carried within the vehicle are secured properly.
-  Never allow passengers to travel in the load space under any circumstances. All vehicle occupants should be seated correctly, and wear a seat belt at all times when the vehicle is in motion.

FOLDING THE SEATS - 5 SEAT VEHICLE




The split fold rear seat can be folded completely to accommodate large loads, or partially to accommodate large loads and still retain seating for passengers.

To fold part or all of the seat:

1. Fully lower the head restraints.
2. Pull the strap on the required cushion(s), to raise to the vertical position.
3. Pull the seat backrest release lever(s), then lower the backrest(s) until locked into place.

Note: Some 5-seat models are fitted with the same type of seat as the 7-seat model.

ERECTING THE SEATS - 5 SEAT VEHICLE

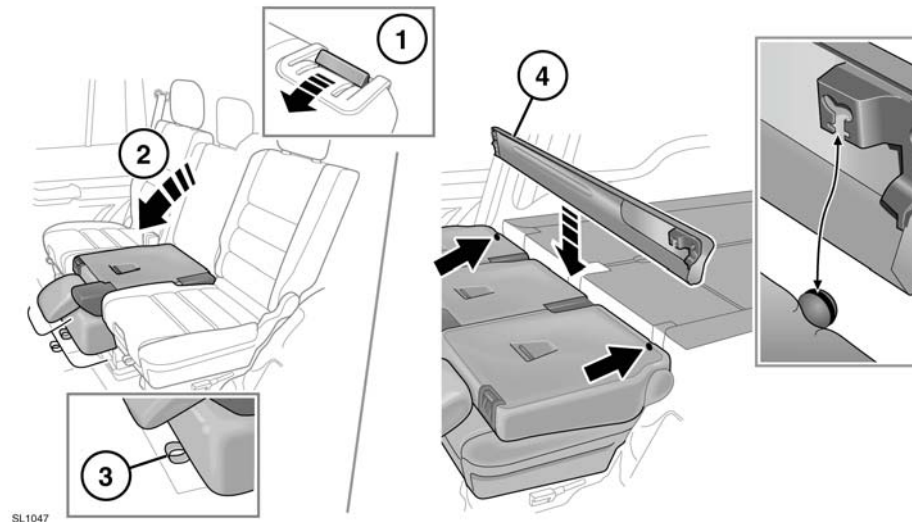
-  Ensure that when the backrest is raised the locking mechanism is fully engaged. If the backrests are not fully locked in place, red markers will be visible around the backrest levers.



Pull the strap (4) vertically to unlock the seats, then raise the seats by following the lowering process in reverse.

Rear seats

FOLDING THE SEATS- 7 SEAT VEHICLE



One of the seats may be folded to form a table for the other two seats, or all three seats may be folded forward to extend the loadspace. A seat may also be folded to gain access to the 3rd row seats.

Note: The rear seats may not be folded if the front seats are in their furthest rearward position.

Note: The centre backrest must always be folded first.

1. Pull the backrest lever forwards.
2. Fold the backrest forwards into the table fold position.
3. Pull the strap at the front of the seat and press down to fold into the loadspace extension position.
4. The loadspace cover may be stowed as shown behind the folded seats.

ERECTING THE SEATS - 7 SEAT VEHICLE

⚠ The seat position should be checked and physically tested to ensure that the cushions and backrest are secure before driving. If the backrests are not fully locked in place, red markers will be visible around the backrest levers.

! Do not attempt to raise the seats when the loadspace cover is stowed behind them. Damage to the loadspace cover will result.

Note: The centre backrest should always be raised last.

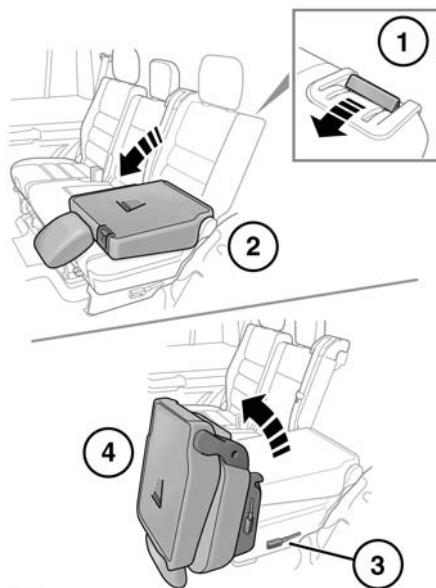
1. Pull the strap at the front of the cushion.
2. Grasp the top and bottom of the backrest, lift the seat and return it to the table fold position.
3. Push the release lever forward.

- Pull the backrest up and push into place. When fully home the latching mechanism will click.

ACCESS POSITION - 7 SEAT VEHICLE

⚠ The vehicle must not be driven with the rear seats in the access position. Motion of the vehicle could cause the backrest to fall forwards suddenly, causing injury.

To access the third row of seats by this method, the headrest on the second row seat must first be fully lowered.



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- Pull the backrest lever forwards.
- Lower the backrest into the table fold position.
- Pull the access lever on the side of the seat.
- Tilt the seat forwards.

To return the seat to the upright position, lower the seat until the access lever re-engages, then pull the backrest lever and return the backrest to the upright position.

Note: A second row seat cannot be moved directly from the loadspace position to the access position. The backrest must first be returned to the table fold position.

- ⚠ When returning the seat from the access position, ensure nothing is trapped beneath the returning seat.**
- ⚠ The seat position should be checked and physically tested to ensure that the cushions and backrest are secure before driving. If the backrests are not fully locked in place, red markers will be visible around the backrest levers.**

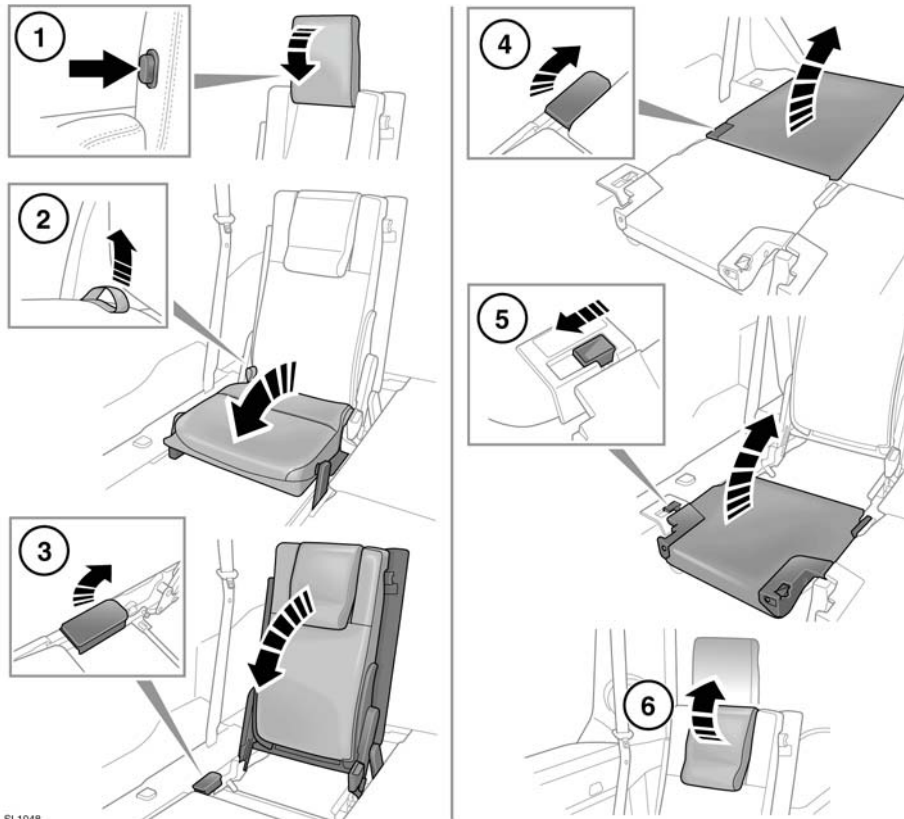
THIRD ROW SEATS - 7 SEAT VEHICLE

- ⚠ Ensure nothing has been left under the third row seat, or in the footwell when folding down the seat, as this could cause damage to the item or the seat.**
- ⚠ Beware of trapping fingers when raising and lowering the third row seat.**
- ⚠ Do not attempt to raise the third row seats when the loadspace cover is stowed behind the second row seats. Damage to the loadspace cover or the seats may result.**

It is possible to fold the third row seats flat.

Rear seats

FOLDING AND ERECTING THE THIRD ROW SEATS



- 1. To fold:** Press the head restraint release button, and fold the head restraint fully downwards.
- 2.** Pull up the release strap (located at rear of cushion) to release the seat. This may require moderate force. Fold the cushion fully forwards until it latches into position.
- 3.** Pull up the backrest lever and fold the backrest fully forwards, until it latches into position in the loadspace floor.

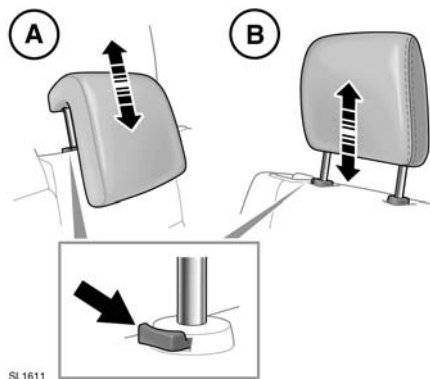
- 4. To erect:** Pull backrest lever to release the backrest, and raise to the upright position. Ensure it is fully latched into position.
- 5.** Release the catch to raise cushion. Push into place, ensuring the cushion is latched to the backrest.
- 6.** Raise the head restraint until it latches into position.



The head restraint must always be raised when using the third row seats.

REAR HEAD RESTRAINTS

- ⚠ **Adjust the head restraint so that the top of the head restraint is above the centre line of the head. An incorrectly adjusted head restraint increases the risk of death or serious injury in the event of a collision.**
- ⚠ **Do not drive or carry passengers with the head restraint removed from an occupied seat. The absence of a correctly adjusted head restraint increases the risk of neck injury in the event of a collision.**
- ⚠ **Always store a removed restraint securely.**



A. 5-seat vehicles.

B. 7-seat vehicles.

To adjust:

- Press the locking button on the collar.
- Raise or lower the head restraint until the top of the restraint is level with the top of the passenger's head.

To remove:

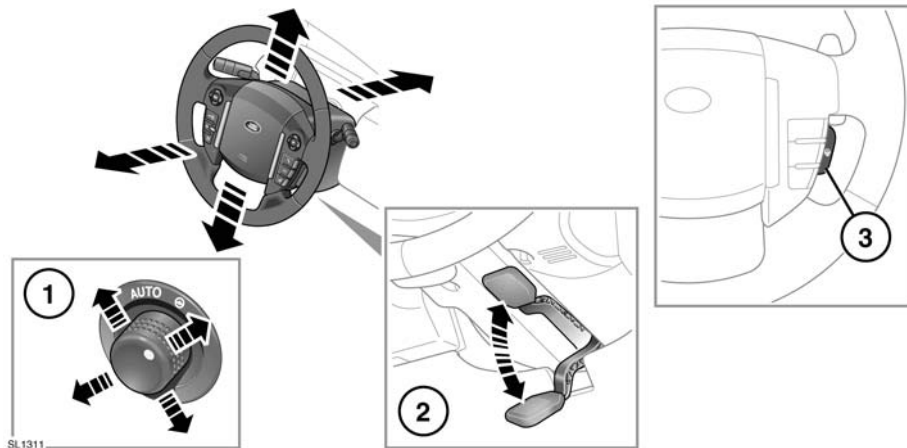
- Press the locking button on the collar.
- Lift the head restraint out of the seat.

To refit:

- Ensure the head restraint is facing the correct direction.
- Insert the stems of the restraint into the sockets on the seatback.
- Push the restraint downwards until at least the first click.

Steering wheel

ADJUSTING THE STEERING COLUMN



⚠ Never adjust the steering column while the vehicle is in motion.

- 1. Electric adjustment:** Move the control up or down to adjust the tilt/height.
Move the control forwards or rearwards to adjust reach.
- 2. Manual adjustment:** Move the locking lever (located under the column) downwards to unlock. Move the steering column up, down, in or out, to the desired position.
Move the lever fully up to re-lock the column.
- 3. Heated steering wheel:** Press to turn on and off. The switch indicator will illuminate amber when heating is on.
When heating is off, the indicator illuminates green (with headlamps on) or does not illuminate (with headlamps off).

ENTRY AND EXIT MODE

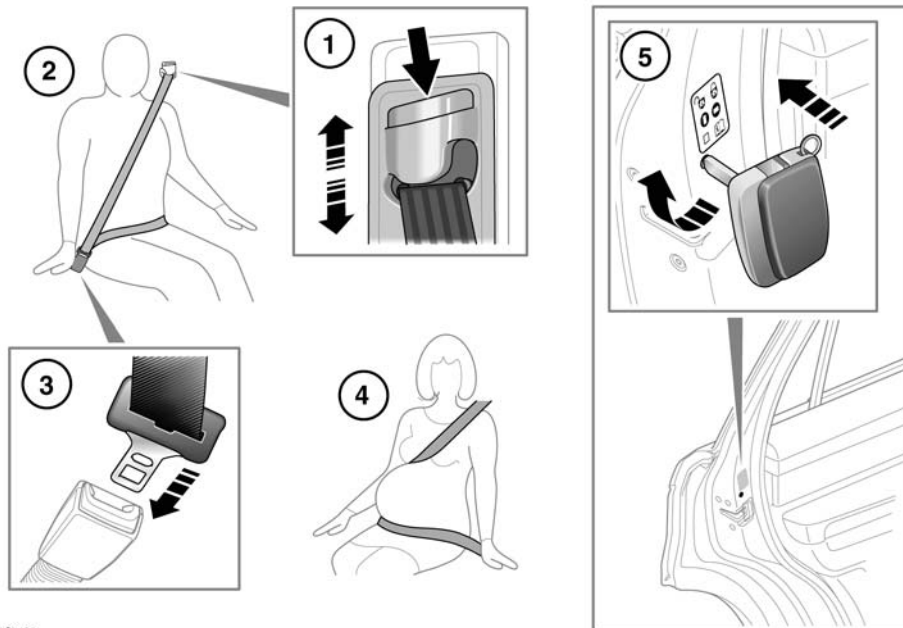
With the steering column control (1) in the **AUTO** position, the steering column and driver's seat will move to provide easier entry and exit from the vehicle.

To prevent automatic movement of the driver's seat and steering column, turn the control clockwise to the manual position.

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

Three different steering column and driver's seat positions can be saved and recalled. See **15, DRIVING POSITION MEMORY**.

USING SEATBELTS



SL1051


1. SEAT BELT HEIGHT ADJUSTMENT:

Press to release the catch.

With the catch depressed move the mechanism slide up or down to the required height. Ensure that the locking mechanism has engaged.

When correctly positioned the seat belt should cross the collar bone at the mid-point between the neck and end of your shoulder.

Where possible, rear seat passengers should adjust their seating position to achieve the same seat belt position.

 **Ensure that the height is correctly adjusted and the mechanism is locked in place before driving.**



The use of comfort clips or devices that would create slack in the seat belt system, is not advised.



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

Occupant safety

2. PUTTING ON A SEAT BELT:

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



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 or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.



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.



Belts should not be worn with the straps twisted.



Each belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.



The occupants of the front seats should not travel with the seat back at more than 30 degrees from the upright. Doing so will reduce the protection afforded by the seat belt.



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

3. FASTENING A SEAT BELT:

With the seat belt correctly positioned, place the metal tongue into the buckle nearest to you. Press it in until a click is heard.

To release the seat belt, press the red button.

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.

4. SEAT BELT USE 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.



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 whilst 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.



Never place anything between you and the seat belt in an attempt to cushion the impact in the event of an accident. It can be dangerous, and will reduce the effectiveness of the seat belt in preventing injury.



Ensure that the seat belt is not slack or twisted.

5. CHILD SAFETY LOCKS:

If children are to be carried in the rear seat positions, it is recommended that the rear door interior handles are disabled.

To change the child lock settings:-

- Open the door to access the child safety lock.
- Insert the emergency key into the slot, and rotate a quarter of a turn to enable or disable the interior door handle as required.

SEAT BELT SAFETY



Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water.



The belt should be replaced if webbing becomes frayed, contaminated or damaged.



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.



If any damage, wear, cuts, defects, or impaired operation are noted with the seat belts, the vehicle should be taken to a Land Rover Dealer/Authorised Repairer for immediate attention. Do not use the vehicle if the seat belts cannot be operated correctly.



Do not carry hard, fragile, or sharp items between your person and the seat belt.



Seat belts should be worn by all vehicle occupants, for every journey no matter how short.



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.



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.

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, 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 Land Rover Dealer/Authorised Repairer.

Occupant safety

SEAT BELT REMINDER



If the driver's seat belt is not fastened when the vehicle is in motion, a chime will be heard and the seat belt warning lamp will illuminate. The warning chime and warning lamp will also be activated if the front passenger seat is occupied without the seat belt being fastened.

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.

CHILD SEATS



For optimum safety, children should travel in the rear of the vehicle at all times; front passenger seat travel is not recommended. However, if it is essential that a child travels in the front (not permitted in Australia), set the vehicle seat fully rearward and seat the child in an approved forward-facing child seat. Do not use a rear-facing child seat - an inflating airbag could impact with the seat and cause serious injury.



Do not use a forward facing child seat until the child using it is above the minimum weight of 9 kg (20 lb.) and able to sit up unaided. Up to the age of two, a child's spine and neck are not sufficiently developed to avoid injury in a frontal impact.



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.



Children typically require the use of a booster seat appropriate to their age and size, thereby enabling the seat belts to be properly fitted, reducing the risk of injury in a crash. Children could be endangered in a crash if their child restraints are not properly secured in the vehicle.



Do not use a child seat that hooks over the seat back. This type of seat cannot be satisfactorily secured and is unlikely to be safe for your child.

The seat belts fitted to your vehicle are designed for adults and larger children. For their safety it is very important for all infants and children under 12 years of age to be restrained in a suitable child safety seat appropriate to their age and size.




SL1545

This symbol, affixed to the end of the fascia on the passenger side, warns against the use of a rear-facing child seat in the front passenger seat, when a front passenger airbag is fitted and operational.

If it is essential that a child travels in the front passenger seat (and national legislation permits this), Land Rover recommends that the following preparations are made before fitting the child restraint.

- Disable the front passenger airbag.
- Adjust the front passenger seat fully rearwards.
- Adjust the lumbar support to its minimum support position.
- Adjust the seat cushion to its highest position. If cushion rake adjustment is possible, adjust it to its lowest position.
- Adjust the seat back to the fully upright position.
- Adjust the seat belt adjustable upper anchorage to its lowest position.

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

CHILD RESTRAINT CHECK LIST

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

- Use appropriate child restraints.
- Carefully follow the restraint system manufacturers instructions.
- Adjust the harnesses for every child on every trip.
- Ensure that all slack is removed from the adult seat belt.
- Always attach the top tether when installing an ISOFIX seat.
- Always check the security of the child restraint.
- Do not dress a child in bulky clothing, or place any objects/padding between the child and the restraint.

- Regularly check the fit and condition of child restraints. If the fit is poor, or wear/damage is visible replace the restraint immediately.
- Set a good example - always wear your seat belt.



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

CHILD SEAT POSITIONING



Information given within the table is correct at the time of going to press. However, availability of child restraints may change. Please consult your Dealer/Authorised Repairer for the latest recommendation.

Note: The information contained in the following table may not be applicable to all countries. If you are in any doubt regarding the type and fitment of child seats seek advice from your Dealer/Authorised Repairer.



Crash statistics show that children are safest when properly restrained in a child or infant restraint system that is secured in a rear seating position.

Note: Ages given are approximate. In case of doubt, the child's weight not age should be used when considering an appropriate child seat.

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

Occupant safety

Mass group.	0 = Up to 10 kg (22 lb) 0-9 months	0+ = Up to 13 kg (29 lb) 0-18 months	I = 9-18 kg (20-40 lb) 9 months to 4 years	II = 15-25 kg (33-55 lb) 4-9 years	III = 25-36 kg (55-80 lb) 8-12 years
Seating positions					
Front passenger*	U	U	U	U	U
Rear seats (5 seat vehicle)	L	L	L	L	L
Second row seats (7 seat vehicle)	U	U	U	U	U
Third row seats	X	X	UF	UF	UF

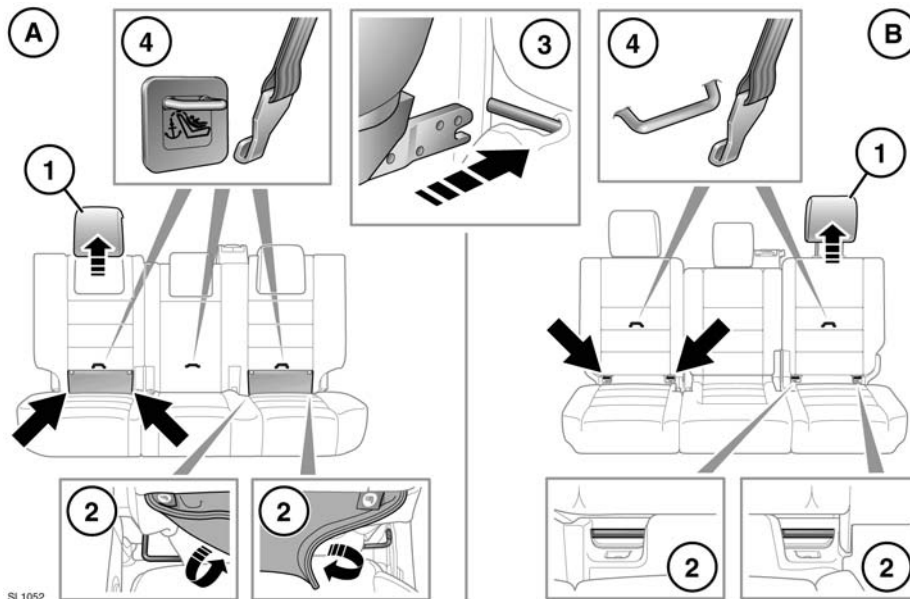
- U = Suitable for universal category restraints approved for this mass group.
- UF = Suitable for Forward-facing universal category restraints approved for this mass group.
- X = not suitable for children in this mass group.
- L = suitable for particular child restraints as listed in the Child seat usage table (see below).

* Always ensure that the passenger airbag has been disabled before using a child restraint in this seating position. The seat back needs to be adjusted to the fully upright position.

RECOMMENDED CHILD SEATS

Child size/age	Recommended seat
Groups 0 and 0+	Britax/Römer Baby Safe Plus
Group I	Britax/Römer Duo Plus
Group II and III	Britax/Römer Kid Plus

ISOFIX ANCHOR POINTS (not Australia)



A. 5-Seat vehicles.

B. 7-Seat vehicles.

Both of the outer seat positions on the rear seat are equipped to accept ISOFIX restraints.



This symbol is shown on a label sewn into the seats to indicate the position of the ISOFIX lower anchorages. To install an ISOFIX child seat:-

1. Raise or remove the head restraint.
2. Lift the velcro flap to expose the ISOFIX locking mechanism.
3. Slide the child seat into the locking mechanism.

Note: Always ensure that if an upper tether is provided, it is fitted and tightened correctly.

Note: ISOFIX child restraints are only fitted to the second row of seats.

Test the security of the child restraint. To do this, attempt to pull the restraint away from the vehicle seat and twist the restraint from side to side. Even if the restraint appears secure, you should still check the anchor points visually, to ensure correct attachment.



Do not attempt to fit ISOFIX restraints to the centre rear seating position. The anchor bars are not designed to hold an ISOFIX restraint in this position.



If the restraint is not correctly anchored, there is a significant risk of injury to the child in the event of a collision or emergency braking.

Note: Always refit a removed head restraint after the child restraint is removed. See 21, **REAR HEAD RESTRAINTS**

Occupant safety

ISOFIX CHILD SEAT POSITIONS

Mass group as shown on child restraint	Size classes	Fixtures	Vehicle ISOFIX positions
Carrycot	F/G	ISO L1/L2	X
0 = Up to 10 kg (22 lb) 0-9 months	E	ISO R1	IL*
0+ = Up to 13 kg (29 lb) 0-18 months	C/D/E	ISO R1/R2/R3	IL*
I = 9 to 18 kg (20 to 40 lb) 9 months - 4 years	C/D A/B1/B	ISO R2/R3 ISO F2/F2X/F3	X IUF
II = 15 to 25 kg (33 to 55 lb) 4-9 years	N/A	N/A	N/A
III = 22 to 36 kg (49 to 80 lb) 8-12 years	N/A	N/A	N/A

- IUF = Suitable for ISOFIX forward child restraint systems of universal category approved for use in the mass group.
- IL = These ISOFIX child restraint systems are of the specific vehicle, restricted or semi-universal categories.
- X = Not suitable for ISOFIX child restraint fitment in this mass group.
- * = Child seat suitable for use in these locations, is the Britax/Römer Baby Safe Plus ISOFIX.

Note: Ages given are approximate. In case of doubt, the child's weight not age should be used when considering an appropriate child seat.

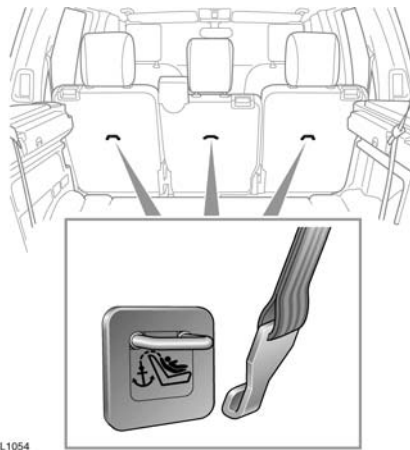
Note: The information contained in the table may not be applicable to all countries. If you are in any doubt regarding the type and fitment of child seats seek advice from your Dealer/ Authorised Repairer.

Note: ISOFIX anchorages are provided for second row outer seating positions. ISOFIX child restraints should be securely attached following the manufacturers instructions at these locations only.

TETHER ANCHORAGE POINTS (Australia only)

Your vehicle is equipped with anchorage points on the back of the second row seat frames. These should be used to attach straps from child seats or restraint systems.

Note: A tether anchorage is provided for the centre seat position. Do not use this anchor position with an ISOFIX child seat.



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

Always follow the child seat or restraint system manufacturer's instructions when fitting tether straps.

When fitting a child seat or restraint system, always pass the tether strap over the top of the seat back and beneath the head restraint.



If a child seat or restraint system is to be fitted to the centre seating position, the centre armrest must be in the stowed position (folded into the seat).

ATTACHING TETHER STRAPS

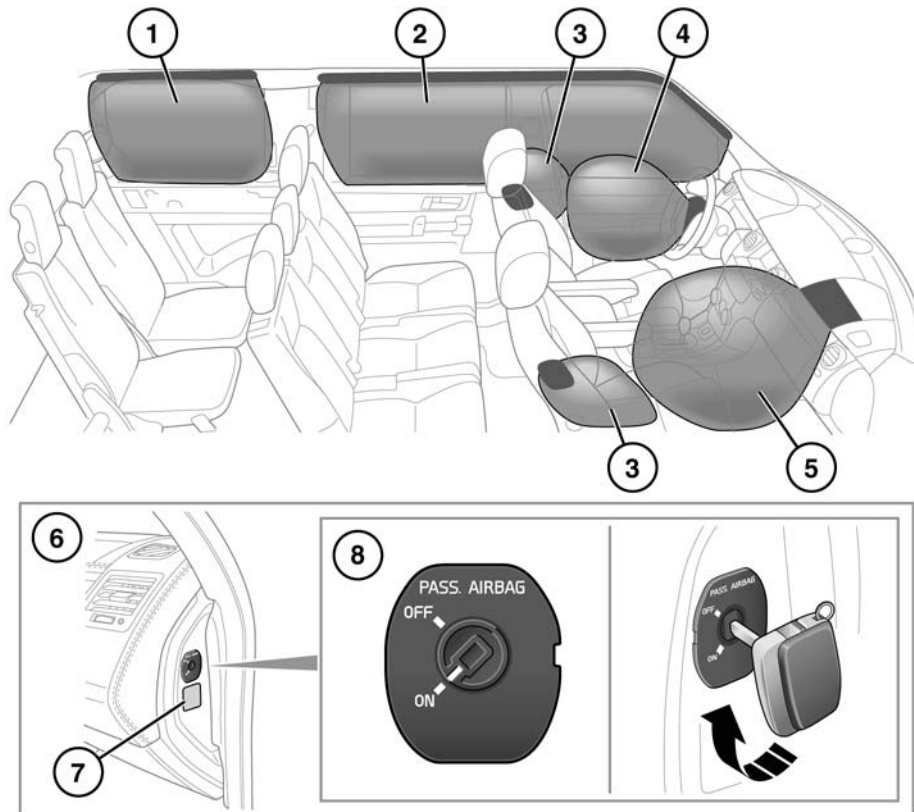
1. Install the child restraint securely in one of the rear seating positions.
2. Pass the tether strap over the seat back and beneath the head restraint.
3. Attach the tether strap hook to the tether anchor point on the back of the seat. Ensure that the tether strap hook is facing the correct way (see illustration).
4. Tighten the tether strap according to the manufacturer's instructions.

BOOSTER CUSHIONS

In a situation where a child is too large to fit into a child safety seat but is still too small to safely use just the three point belt, a booster seat is recommended for maximum safety. Follow the manufacturer's instructions for fitting and use, then adjust the seat belt to suit.

Occupant safety

AIRBAG SUPPLEMENTARY RESTRAINT SYSTEM (SRS)



SL1056







1. 3rd row seats, curtain airbag
2. Main curtain airbag.
3. Side airbags.
4. Driver's front and side airbags.
5. Passenger front and side airbags.
6. Passenger airbag disable switch location
7. Passenger airbag warning label
8. Passenger airbag disable switch operation.

Note: The general location of airbags fitted to the vehicle are marked by the word AIRBAG.

Always contact your Dealer/Authorised repairer if:

- An airbag inflates.
- The front or sides of the vehicle are damaged.
- Any part of the Airbag Supplementary Restraint System (SRS) shows signs of cracking or damage, including trim covering airbags.

AIRBAG OPERATION

-  For the airbags to operate correctly the roof lining and door post trims must be in good condition, correctly fitted, and free from obstruction. Any damage, wear, or incorrect fitment should be referred to your Dealer/ Authorised Repairer as soon as possible for examination and repair.
-  Do not allow passengers to obstruct the operation of the airbags by placing any part of their person, or any objects, in contact with, or close to, an airbag module. Only use approved accessories (e.g. seat covers).
-  Ensure that a gap is maintained between the side of the vehicle, and the head and torso. This will enable unobstructed inflation of the curtain, and seat mounted side airbags.
-  Airbags inflate at high speeds. To minimise 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.
-  Airbag 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.
-  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/Authorised repairer.

Airbag 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.

Airbags cannot deploy correctly if they are obstructed. Examples of obstructions are:-


- Any part of an occupants body in contact with, or close to, an airbag cover.
- Objects placed on, or close to, an airbag cover.
- Clothing, sun screens, or other material hanging from grab handles.
- Clothing, cushions, or other material, covering seat mounted airbags.
- Seat covers which are not approved by Land Rover, or specifically designed for use with seat mounted airbags.

This list is not exhaustive, and it remains the responsibility of the driver and passengers to ensure that the airbags are not obstructed in any way.

Note: The airbags and SRS are not designed to operate as a result of:

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




 **High speed impacts may cause serious injury or death irrespective of safety features fitted to a vehicle.**

 **The airbag SRS cannot provide protection in some types of impact. Under these circumstances the only protection will be provided by a correctly worn seat belt.**

Occupant safety


DISABLING THE PASSENGER AIRBAG

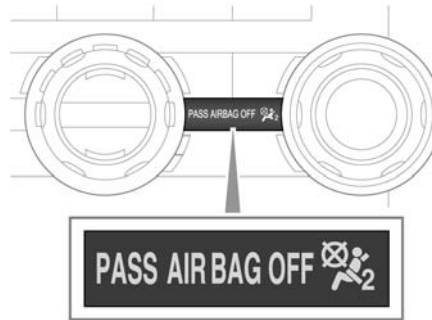
Note: The passenger airbag should be disabled only when a rearward facing child restraint is fitted to the front passenger seat.


-  **Crash test data and statistics show that the safest place for a child to be restrained is in a child seat correctly fitted to the vehicle's rear seat.**
-  **Do not use a child restraint on a seat protected by an operational airbag in front of it. Doing so presents a high risk of death or serious injury to the child in the event of an accident.**
-  **Do not fit a child restraint to the front passenger seat if the SRS warning light illuminates continuously with the ignition on.**

To disable the passenger airbag:-

1. Remove the emergency key from the Smart Key.
2. Insert the end of the key blade into the slot in the switch and rotate the switch to the off position (refer to **32, AIRBAG SUPPLEMENTARY RESTRAINT SYSTEM (SRS)**, item 8).

-  **As soon as the child seat is removed from the front passenger seat, the airbag must be turned on. Failure to do so will put any front seat passengers at greater risk of death or serious injury in the event of an accident.**



-  **When checking the operational status of the front passenger airbag, ensure that the ignition is switched on.**

The passenger airbag operational status indicator illuminates yellow when the airbag has been disabled.

Note: The indicator will only illuminate when the ignition is turned on or the engine is running.

FRONT AIRBAGS

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

SIDE AND CURTAIN AIRBAGS

Note: *Curtain airbags are not fitted to the commercial variant.*

Side and curtain airbags are designed to offer increased protection for the torso and head in a side impact. The curtain airbags deflate at a slower rate than the front or side airbags, to afford greater protection from serious head injuries.

AIRBAG DEPLOYMENT EFFECTS



When an airbag 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.



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

AIRBAG WARNING LAMP



The airbag warning lamp is mounted in the instrument pack, and will illuminate as a bulb check when the ignition is turned on.



If the warning lamp indicates that a fault 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 your Dealer/Authorised Repairer immediately.

- The warning lamp fails to illuminate when the ignition is turned on.
- The warning lamp fails to extinguish within 6 seconds of the ignition being turned on.

- The warning lamp illuminates at any time other than the bulb check, when the ignition is turned on.

AIRBAG SERVICE INFORMATION



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.



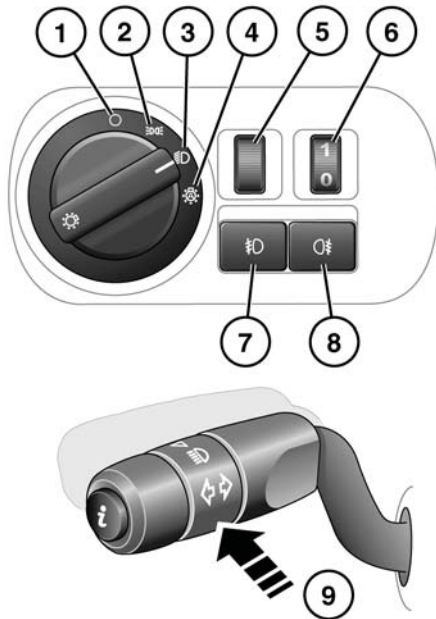
Do not use any electrical test equipment or devices in the vicinity of SRS components or wiring. Doing so may cause the system to trigger, or render the system inoperative.

All of the following operations should only be carried out by a Dealer/Authorised Repairer, 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.

Exterior lights

LIGHTING CONTROLS



SL1059

1. Headlamps/side lamps off.
2. Side lamps on.
3. Low beam headlamps on.
4. Autolamps on:
With the switch in this position and the ignition on, the side lamps, low beam headlamps and licence plate lamps illuminate automatically when the ambient light level is low. Auto high beam and Headlamp courtesy delay may also be activated (see below).
5. Dimmer control.
6. Halogen lamps height adjuster.

7. Rear fog lamps on/off:
When the rear fog lamps are on, the rear fog lamp warning lamp will illuminate.
8. Front fog lamps on/off:
When the front fog lamps are on, the front fog lamp warning lamp will illuminate.
9. High beam on/off/flash:
When low beam headlamps are switched on, push the indicator stalk to change to high beam (the high beam warning lamp will illuminate).

To flash the headlamps at anytime, briefly pull the indicator stalk and release it.

Note: Do not use high beam where it may dazzle other road users.

DAYLIGHT RUNNING LAMPS

With the main lighting control in the Off position (1), low beam headlamps, side lamps, tail, license plate lamps and, where fitted, side marker lamps, will switch on automatically under the following conditions:

- The ignition is on.
- The gear selector is out of park (automatic transmission).
- The parking brake is not applied (is released) - market dependent.



Unless required or prohibited by law, daylight running lamps can be disabled or enabled by your Dealer/Authorised

Repairer.

HEADLAMP COURTESY DELAY

This feature operates whenever the lamps master switch is left in the Auto position (4), and the ignition is turned off. The headlamps will remain illuminated for up to 240 seconds.

Note: The time delay may be changed via the Vehicle settings menu (see 58, **VEHICLE INFORMATION AND SETTINGS MENU**).

AUTO HIGH BEAM

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.

Note: It is not recommended that auto high beam is used while driving off road.

For auto high beam to become operational, the main lighting switch must be in the Auto position (4), with low beam headlamps selected.

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

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

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



A green warning lamp in the instrument pack illuminates when auto high beam is selected.

To turn off auto high beam, turn the main lighting control from Auto to headlamps on.

This feature can be disabled/enabled via the Vehicle settings menu (see 58, **VEHICLE INFORMATION AND SETTINGS MENU**).

Note: The following may affect the operation of auto high beam:-

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

Note: The system cannot be relied upon to activate or de-activate high beam in all possible circumstances. It remains the driver's responsibility to ensure correct use of the headlamps at all times.

Note: Ensure that the sensor on the back of the rear view mirror is not blocked or obstructed.

ADAPTIVE FRONT LIGHTING SYSTEM (AFS)

When cornering using low beam, AFS will adjust the headlamp beams to provide improved illumination in the direction of travel.

AFS is deactivated when:-

- Reverse gear is selected.
- The vehicle is stationary.
- Daylight running lamps are on.

If a system fault is detected the headlamps will attempt to move to the central position, and remain stationary. The AFS warning lamp will illuminate to indicate that a fault is present.



If the warning lamp illuminates, contact your Dealer/Authorised Repairer as soon as possible.

CORNERING LAMPS

When a direction indicator is activated, an additional lamp in the direction of turn is illuminated. This broadens the beam of the headlamps, improving visibility when turning.

Exterior lights

ADJUSTING THE HEADLAMPS FOR DRIVING OVERSEAS

Note: The headlamps must be removed in order to change the beam pattern. See **187, HEADLAMP REMOVAL**.

Note: On LHD vehicles fitted with halogen headlamps, the lever is on the left hand side of the bulb aperture.

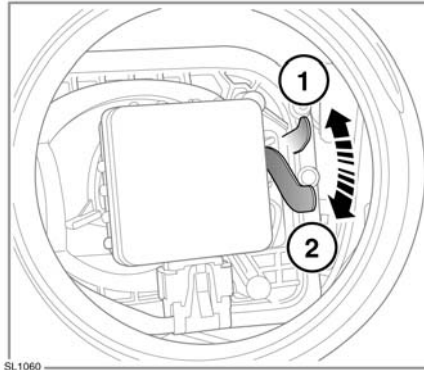
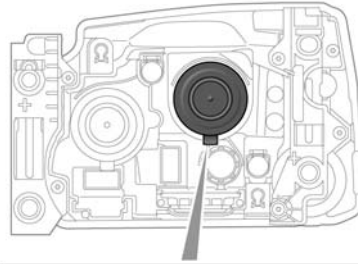
The tourist lever allows you to adjust the headlamps to the correct beam pattern for driving on the left or right hand side of the road.

When new, the lever will be set to the correct position for the country in which the vehicle is sold. To change the pattern for driving on the alternate side of the road, move the lever to the alternate position.

Note: When changing the beam pattern using the lever, ensure that you change the lever position on both headlamps.

Note: If the Auto high beam feature is enabled, you should also configure the system for the side of the road on which you are driving. See **58, VEHICLE INFORMATION AND SETTINGS MENU**.

XENON HEADLAMPS

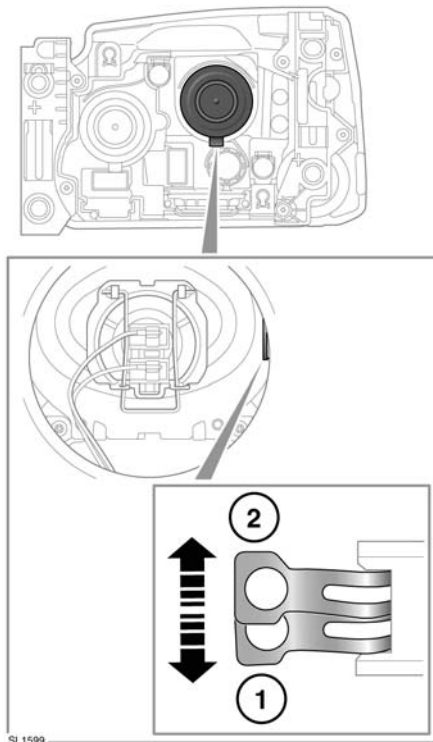


SL1060

1. Lever in the correct position for the market where the vehicle was originally sold.
2. Lever in the correct position for when driving in countries where they drive on the opposite side of the road.

With the domed cap removed, move the lever to the appropriate position.

HALOGEN HEADLAMPS



1. Lever in the correct position for the market where the vehicle was originally sold.
2. Lever in the correct position for when driving in countries where they drive on the opposite side of the road.

With the domed cap removed, depress the lever and move to the appropriate position.

HEADLAMP LEVELLING (Halogen headlamps only)

Use the headlamp levelling control to account for vehicle loading changes.

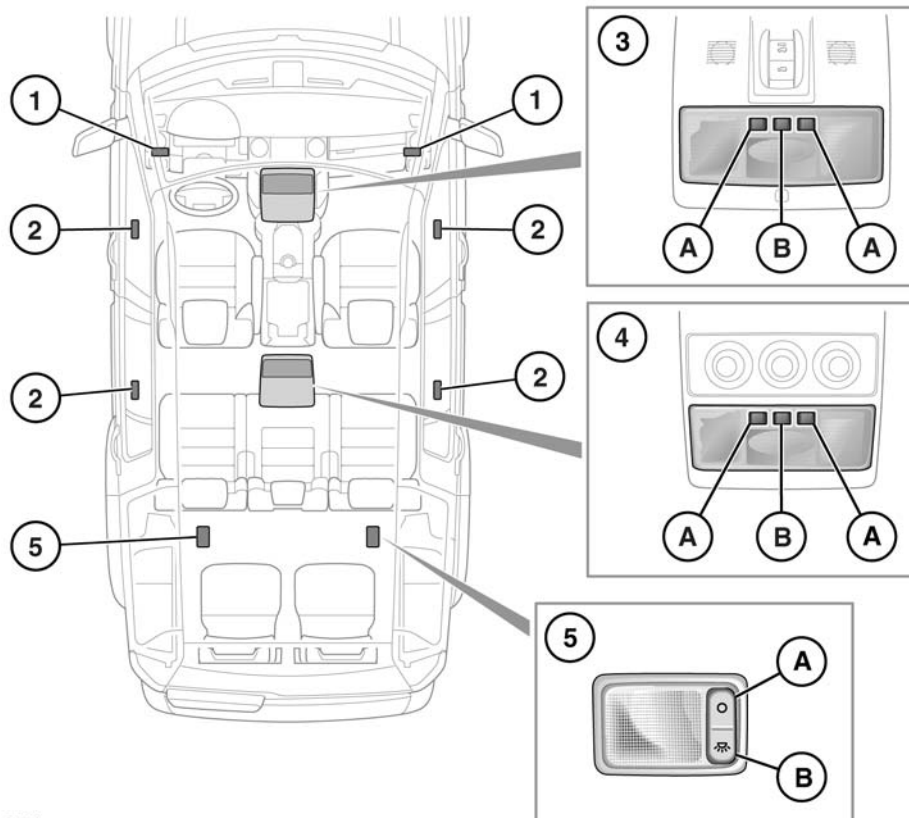
Vehicle load	Switch position
Driver only	0
Driver and front seat passenger	0
Driver and passengers in all seats	Rotate down one position from 0.
Maximum gross vehicle weight	Rotate down two positions from 0.
Maximum rear axle load	Rotate down three positions from 0.

CONDENSATION

Misting of lamp lenses can occur under some atmospheric conditions. This will not affect the performance of the lamps and will clear during normal operation.

Interior lights

INTERIOR LAMPS



SL1061

- 1. Sun visor lamps:**
Switch on or off as required using the switch.
- 2. Puddle lamps:**
Automatically illuminate when the doors are opened.
- 3. Map reading/interior lamps:**
 - A. Map light controls (on/off).**
 - B. Main interior lamp control (on/off/Auto).**
To activate or deactivate Auto mode, press and hold for longer than 3 seconds. In Auto mode the lamps will illuminate when a door is opened.

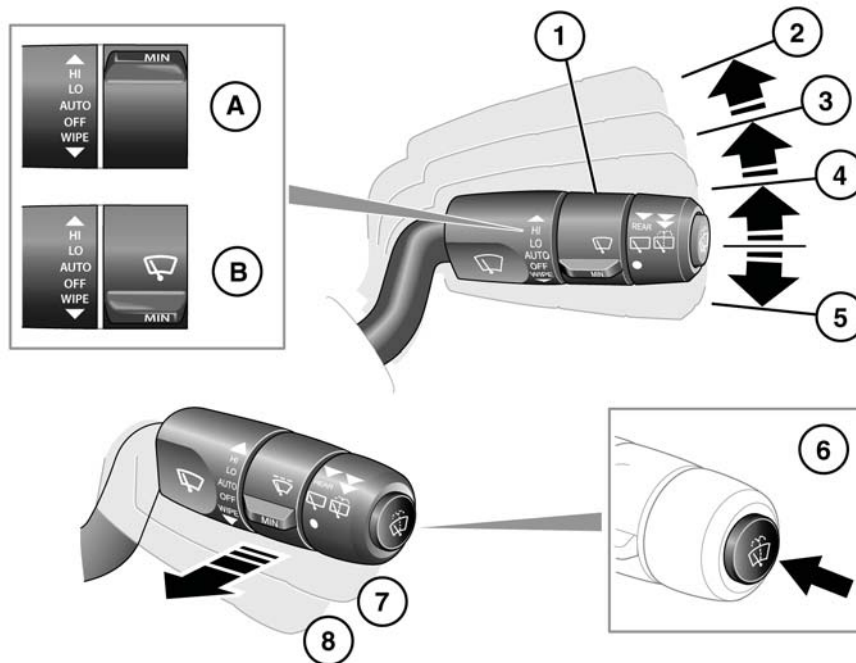
Interior lights

4. Rear interior light control:
 - A. Map light controls (on/off).
 - B. Main interior lamp control (on/off/Auto).

To activate or deactivate Auto mode, press and hold for longer than 3 seconds. In Auto mode the lamps will illuminate when a door is opened.
5. Third row seating/loadspace interior lamps:
 - A. Press to turn off.
 - B. Press to turn on.

Wipers and washers

WINDSCREEN WIPERS




SL1063

1. Rotate the control to adjust Rain sensor sensitivity or on vehicles not fitted with a rain sensor, to adjust the intermittent variable delay (non-rain sensor vehicles):
 - A. Rain sensor maximum sensitivity. Intermittent wipe minimum delay.
 - B. Rain sensor minimum sensitivity. Intermittent wipe maximum delay.
2. High speed wipe.
3. Low speed wipe.
4. Rain sensor activated wipe/intermittent wipe (depending on option fitted).
5. Single wipe. With the lever held down, the wipers operate at fast speed until the lever is released.
6. Windscreen washers:

Press and release to operate.

Press and hold to operate both the washers and the front wipers. The wipers will operate while the button is pressed and for 2 further wipes after the button is released.
7. Rear wiper, intermittent operation:




The rear wiper can be configured to operate continuously.

 This feature can be enabled or disabled by your Dealer/Authorised Repairer.

8. Rear wash/wipe:

Pull to position 8 and hold for as long as the wash is required.


The wipe interval is dependent on vehicle speed.

-  Do not operate the windscreen wipers on a dry screen.
-  In freezing or very hot conditions, ensure that the wipers have not stuck to the glass.
-  Remove any snow, ice or frost from the screen, 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 vehicle speed drops below 8 km/h (5 mph) with the wipers operating, the wipers will switch to the next lowest speed. When vehicle speed increases to over 8 km/h (5 mph), the original wiper speed setting is restored automatically.

 This feature can be enabled or disabled by your Dealer/Authorised Repairer.

SPEED-DEPENDENT INTERMITTENT MODE


In vehicles not fitted with a rain sensor, the frequency of intermittent wipe adjusts according to vehicle speed.

The intermittent delay period can be adjusted via the collar (1), but will also reduce automatically as vehicle speed increases.



This feature can be enabled or disabled by a your Dealer/Authorised Repairer.

RAIN SENSOR

-  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/snow on the windscreen and automatically activates the windscreen wipers accordingly. Static droplets may not be detected on initial start-up, use a single wipe to clear the screen.

To activate the rain sensitivity wipers, move the wiper stalk to the rain sensor position (4) and adjust the rain sensitivity control (1) as required. When rain sensitive wipers are activated and when sensitivity is increased, a single wipe will operate.

Wipers and washers

REAR WIPER

If reverse gear is selected while the front wipers are operating, the rear wiper will begin automatically and continue as long as reverse gear is selected. The wipe interval is set to 6 seconds.

When stationary, if the tailgate is opened when the rear wiper is operating, it will stop. When the tailgate is closed, the wiper will start to operate again after 3 seconds.

If the tailgate is open, and vehicle speed is above 3 km/h (2 mph) the wiper will operate normally.

HEADLAMP WASHERS

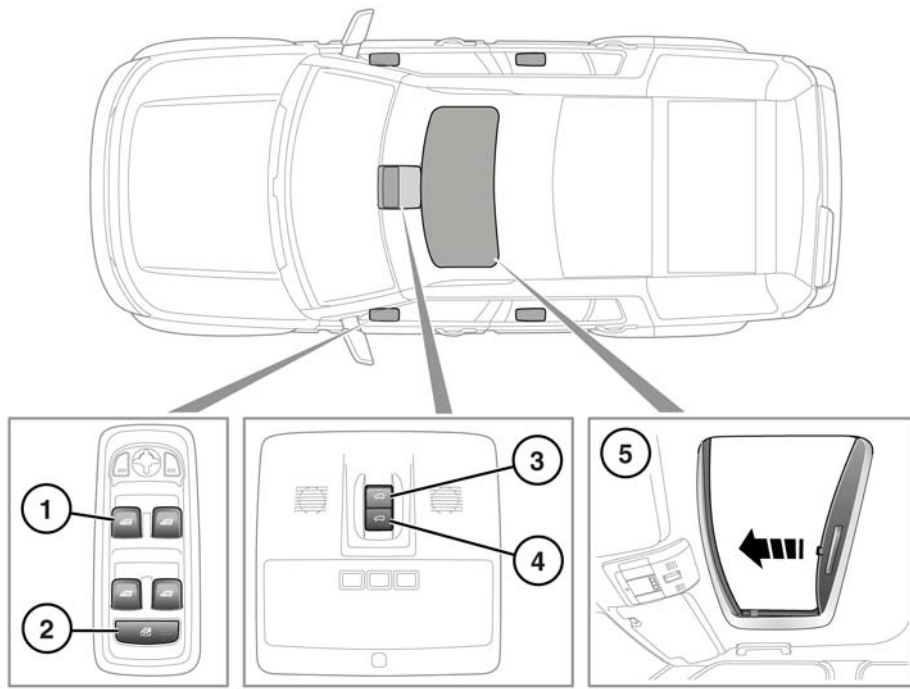
If the headlamps are on, and there is sufficient liquid in the washer reservoir, operating the screen wash will also power-wash the headlamps.

The headlamp power wash will operate on every fifth operation of the screen washer, provided the headlamps are still switched on and approximately 10 minutes have elapsed since the last headlamp wash.

Switching the headlamps or ignition off and back on again, will reset the cycle.

Note: *The headlamp washers are inhibited when the washer fluid reservoir level is low.*

ELECTRIC WINDOWS



SL1064

1. Window switches:

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

2. Rear window isolator button.



If children are carried in the rear seats, the isolator switch should be used to prevent operation of the windows. If the windows are operated by young children there is a risk of serious injury or death.

3. Sunroof close/tilt switch:



Wherever possible remove any snow, ice, dirt, and leaves etc. from the sunroof mechanism before closing. Failure to do so may damage the sunroof mechanism.

- With the roof closed, briefly press to tilt the sunroof open.
- With the roof fully open, briefly press to close the roof.

Press the button again to stop movement.

Windows

4. Sunroof open/close switch:

- With the roof closed, briefly press to fully open. Press again to stop movement.
- With the roof tilted open, press and hold to close the roof. Releasing the switch will stop roof movement.

The sunroof will operate for 30 seconds after the ignition is turned off, provided that a front door is not opened.

5. Sun blind:

- To open, push upwards on the textured part of the handle. Then, slide the blind into the panel between the sunroof and the headlining.
- To close the sun blind, pull across the aperture until it locks in place.

ONE-TOUCH OPERATION

All four windows have one-touch operation. Briefly pull the switch up fully and release, the window will continue to raise until fully closed. Briefly press the switch down fully and release, the window will continue to lower until fully open. Pressing or pulling the switch again will stop the window.

ANTI-TRAP PROTECTION



The anti-trap mechanism does not operate when closing the sunroof from the tilted position. The sunroof can cause serious injury should a body part become trapped. Always ensure that the sunroof is free from obstructions before closing.



Before closing a window or the sunroof, 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 will stop window or sunroof movement if an obstruction or resistance is detected. Check the window or sunroof and its aperture and remove any obstructions (e.g. ice, etc.).

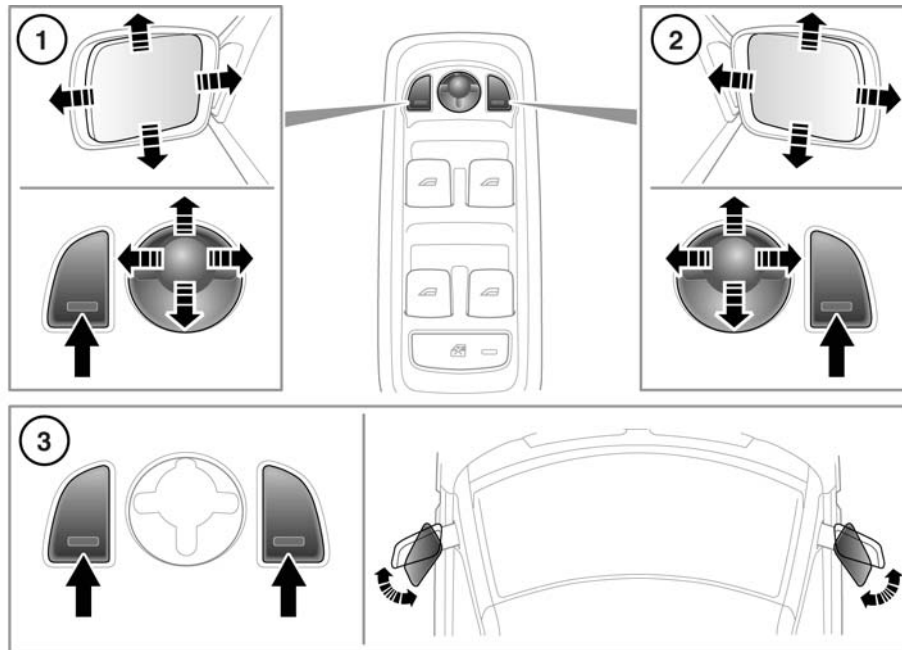
If it is still necessary to raise the window or close the sunroof, the override procedure is as follows:

1. Attempt to close the window/sunroof, anti-trap will prevent closure and lower the window/open the sunroof slightly.
2. Within ten seconds attempt to raise the window/close the sunroof again, anti-trap will prevent closure and lower the window/open the sunroof slightly.
3. Attempt to close the window/sunroof for a third time, this time hold the switch in the close position. Hold until closed.

Note: *If this procedure fails to remove the blockage, the window operation may need to be reset. See 195, WINDOW RESET.*

Note: *The sunroof anti-trap mechanism works differently and does not require reset if activated. See 195, SUNROOF RESET.*

ELECTRIC EXTERIOR MIRRORS



SL1066

1. Left mirror adjustment.
2. Right mirror adjustment.
3. Press both switches together to fold/unfold the mirrors.

Note: If the mirrors are manually folded or knocked into the folded position accidentally, the mirror head will be loose. To re-engage the mechanism, fold, then unfold the mirrors using the switches.

A thermal cut-out which will temporarily disable the powerfold feature if the switches are operated repeatedly.

Powerfold will only operate if the vehicle is stationary, or travelling at 20 km/h (12 mph) or less.

ADJUSTING

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), then use the joystick control to adjust the mirror glass.

Mirrors

MIRROR DIP WHEN REVERSING

Selecting reverse gear will cause the door mirrors to automatically adjust, providing an improved viewing angle for reversing.

The exact dipped position can be adjusted when the mirrors are dipped. The next time reverse is selected, the newly adjusted position will be selected.

When the gear selector is moved out of reverse, the mirrors will return to their previous position.

Note: *If vehicle speed exceeds 7 km/h (4 mph) in reverse, the mirrors will return to their normal driving position for enhanced visibility.*

The automatic mirror dip feature can be enabled or disabled from the Vehicle settings menu. See **58, VEHICLE INFORMATION AND SETTINGS MENU**.




AUTOMATIC FOLDING



The mirrors can be configured by your Dealer/Authorised Repairer to automatically fold when the vehicle is locked, and unfold when it is unlocked.

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

GARAGE DOOR TRANSCIVER

-  **Do not use the transceiver with any garage door opener that lacks the safety stop and reverse feature as required by safety standards.**
-  **When programming the transceiver to a garage door opener or entry gate, ensure the area is clear. This will prevent potential harm or damage as the gate or garage door will activate during the programme.**
-  This device may suffer from interference if operated in the vicinity of a mobile 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 three different transmitters, which can be used to operate 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 equally applies to the previously mentioned applications.

In some countries, this feature is also known as the HomeLink[®] Universal Transceiver.

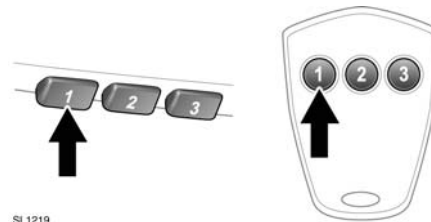
For further information, see **51, INFORMATION AND ASSISTANCE.**

BEFORE PROGRAMMING

-  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.

PROGRAMMING



With the engine switched off;

1. Ensure that the ignition system is on.
2. Hold the end of the original garage door opener hand-held transmitter 50 to 150 mm (2 to 6 inches) away from the transceiver in the rear-view mirror, keeping the indicator lamp in view.

Garage door opener

- 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 programming.
- 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.
- Press and hold the programmed garage door opener button and observe the indicator lamp.
 - If the indicator is continuous, programming is complete and your device should operate 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 two seconds and then illuminates continuously, proceed with the following programming instructions for rolling code device equipment.

TO ERASE ALL PROGRAMMING

For first time programming, ensure that the engine is switched off:

- Ensure that the ignition is on (but with the engine switched off).
- 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 programming the additional garage door opener buttons.

ROLLING CODE DEVICE EQUIPMENT PROGRAMMING

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.

- 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.
- Press and release the learn or smart button.
- Return to the vehicle and firmly press and hold the programmed garage door opener button for two seconds and release.
- Repeat the press, hold, release sequence three times to complete the programming process.

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

REPROGRAMMING A SINGLE GARAGE DOOR OPENER BUTTON

To programme a device to a previously programmed button:

1. Press and hold the desired pre-programmed 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 50 to 150 mm (2 to 6 inches) away from the transceiver in the rear-view mirror, keeping the indicator lamp in view.
3. Carry out Step 3 of **Programming**.

ENTRY GATE PROGRAMMING

The technology of some entry gates requires you to press and re-press (cycle) the hand-held transmitter button every two 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



It is recommended that when you sell or dispose of the vehicle, the programmed transceiver buttons be erased for security purposes.

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

You can also contact the supplier's helpline on **0 0800 0466 354 65**. This toll-free number can be called from anywhere within Europe. No separate country code is required (the first zero is not required when calling from within Germany).

Contact can also be made via the internet. The website address is www.eurohomelink.com.

The e-mail address is:

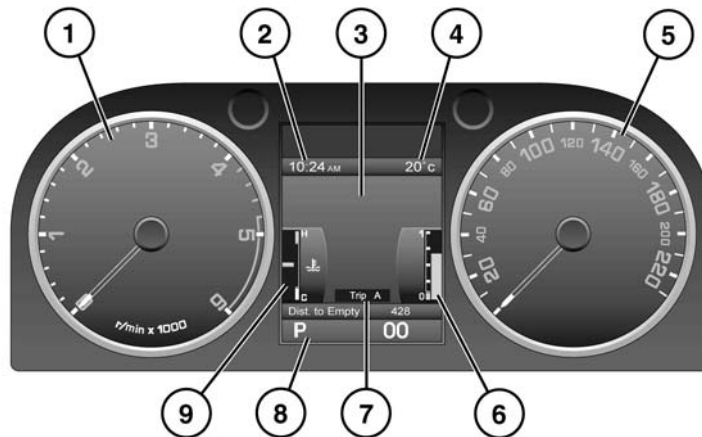
info@eurohomelink.com.

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

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

Instruments

INSTRUMENT PANEL



SL1152

1. Tachometer.
2. Clock.
3. Message centre.
4. External temperature.
5. Speedometer.
6. Fuel gauge.
7. Total distance (odometer) and trip recorder.
8. Gear selector position display
9. Temperature gauge

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

If the amber low fuel warning lamp illuminates, the vehicle should be refuelled as soon as possible. The approximate distance that can be travelled on the remaining fuel can be viewed via the trip computer Distance to Empty function. See **57, TRIP COMPUTER**.

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

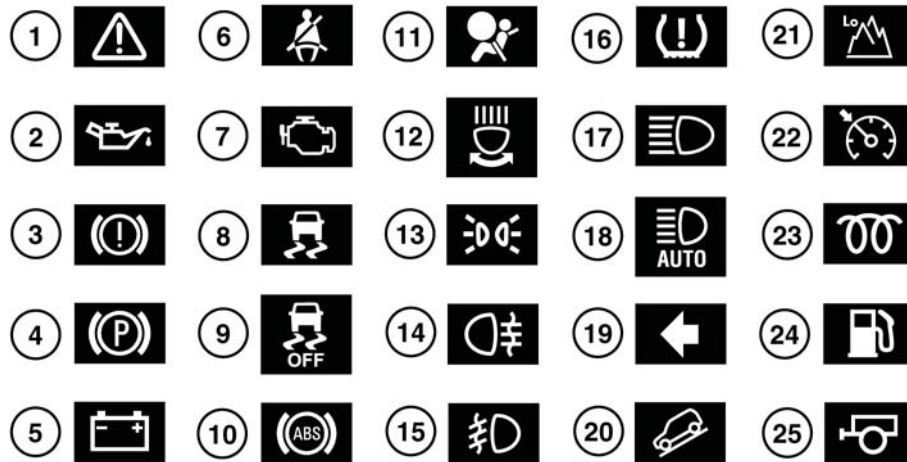
! Serious engine damage can occur if the vehicle is driven whilst the engine is overheating.

If the pointer moves into the **H** section at the top of the scale, 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 cooling.

Warning lamps

WARNING LAMPS



SL1666

1. Critical warning message - Red

Illuminates when a critical warning message is available in the message centre.

2. Low oil pressure - Red

Illuminates as a bulb check when the ignition is switched on and extinguishes when the engine is started. If the lamp remains on, flashes, or illuminates whilst driving, stop the vehicle as soon as safety permits and switch off the engine immediately.

Check and top-up the oil level if necessary. Start the engine: If the lamp remains illuminated, switch the engine off immediately and seek qualified assistance before continuing.

3. Brake systems - Red

Illuminates briefly as a bulb check when the ignition is switched on. If the lamp illuminates whilst 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.

Brake systems - Amber

Illuminates briefly as a bulb check when the ignition is switched on. If the lamp illuminates after starting the engine or whilst driving, suspect worn brake pads or a fault with the Emergency Brake Assist (EBA) system.

The vehicle can still be driven with care, but seek qualified assistance urgently.

Warning lamps

4. Parking brake - Red

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

5. Battery charge - Red

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

If the lamp remains on or illuminates whilst driving, there is a fault with the battery charging system. Seek qualified assistance urgently.

6. Seat belt - Red

Illuminates when the ignition is on an occupied front seat belt is unbuckled. The lamp should extinguish when the relevant seat belt(s) is buckled.

Beltminder - Red

If the vehicle is motion and the driver's seat belt or an occupied front seat passenger's seat belt is unbuckled, the seat belt warning lamp will illuminate and a chime will sound.

Note: The speed thresholds and the behaviour of the visual and audible warnings are dependent on market.

7. Engine malfunction - Red

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

If the lamp flashes or illuminates at any other time, there is a fault with the engine. Avoid high speeds and seek qualified assistance urgently.

8. Dynamic Stability Control (DSC)- Amber

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

If the lamp flashes whilst driving, the DSC system is active.

If the lamp illuminates continuously whilst driving, there is a fault with the DSC system. The vehicle can still be driven, but the DSC system will not activate under wheel spin or slide conditions. Seek qualified assistance as soon as possible.

9. Dynamic Stability Control (DSC) off - Amber

Illuminates when DSC is switched off.

10. Anti-lock Braking System (ABS) - Amber

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

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

11. Airbag - 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 airbag system. Seek qualified assistance as soon as possible.

12. 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.

13. Side lamps - Green

Illuminates when the side lights are switched on.

14. Rear fog lamps - Amber

Illuminates when the rear fog lamps are switched on.

15. Front fog lamps - Green

Illuminates when the front fog lamps are switched on.

Warning lamps

- 16. Tyre Pressure Monitoring (TPM) system - Yellow**

Illuminates when one or more tyres are significantly under-inflated. Stop the vehicle as soon as possible, check the tyre pressures and inflate to the recommended pressure.
- 17. High beam - Blue**

Illuminates when the high beam headlamps are switched on or flashed.
- 18. Auto high beam - Green**

Illuminates when the auto high beam feature is enabled.
- 19. Direction indicators - Green**

The appropriate warning lamp will flash when the direction indicators are operated.
- 20. Hill Descent Control (HDC) information**

Illuminates continuously when HDC is selected and HDC operating conditions are met - i.e. vehicle speed below 50 km/h (30 mph).

If the lamp flashes, HDC has been selected, but the operating conditions are not being met (e.g. vehicle speed is too high) or HDC fade-out is occurring.
- 21. Low range - Green**

Illuminates when Low range has been selected.
- 22. Cruise control active - Green**

Illuminates when cruise control is active.
- 23. Diesel glow plugs active - Amber**

Illuminates when the ignition is switched on to indicate that the glow plugs are active. Wait until the lamp extinguishes before starting the engine.
- 24. Low fuel warning - Amber**

Illuminates when the remaining fuel reaches a minimum of 12 litres (3 gallons), giving an approximate range of 80 km (50 miles). Refuel at the earliest opportunity.
- 25. Trailer direction indicators - Green**

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

If a trailer is attached, the warning lamp will flash in conjunction with the direction indicator warning lamp. If the lamp fails to flash, the direction indicator bulb on the trailer may be faulty.

Specification
 Introduction
 Entering the vehicle
 Exiting the vehicle
 Front seats
 Rear seats
 Steering wheel
 Occupant safety
 Exterior lights
 Interior lights
 Wipers and washers
 Windows
 Mirrors
 Garage door opener
 Instruments
 Warning lamps
 Driver information module
 Heating and ventilation
 Convenience features
 Load carrying
 Towing
 Starting the engine
 Gearbox
 Stability control
 Air suspension
 Brakes
 Tyre pressure monitoring system
 Parking aid
 Cruise control
 Camera systems
 Terrain response
 Hill descent control (HDC)
 Premium audio system
 Touch screen audio system
 DAB radio
 Portable media
 Television
 DVD
 Rear seat entertainment
 Voice control
 Bluetooth telephone
 Navigation system
 Tyre repair kit
 Fuel and refuelling
 Maintenance
 Fluid level checks
 Technical specifications
 Vehicle battery
 Tyres
 Fuses
 Wheel changing
 Vehicle recovery

Driver information module

INFORMATION MODULE

The driver information module is located in the instrument panel in front of the driver. Trip computer information is displayed on the information module when selected.


DISPLAY FUNCTIONS

In addition to the trip computer, the driver information module is used to inform the driver of impending service requirements, of the currently selected gear (automatic transmission only), and the CommandShift mode status (if selected).

Additionally, the main message centre is used to convey information, critical warnings, and non-critical warnings to the driver.

Active warning messages may be re-displayed by selecting **Show Warnings** on the vehicle information menu. See 58, **VEHICLE INFORMATION AND SETTINGS MENU**.

CRITICAL WARNING MESSAGES

 Do not ignore warning messages; take appropriate action immediately. Failure to do so may result in serious damage to the vehicle.


Critical warning messages are accompanied by an audible warning, and the message text may have the handbook symbol next to it. Critical 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 critical warning message is suppressed, a red warning icon will remain illuminated until the fault is rectified.

MESSAGES

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

WARNING MESSAGES

 Do not ignore warning messages; take appropriate action as soon as possible. Failure to do so may result in serious damage to the vehicle.

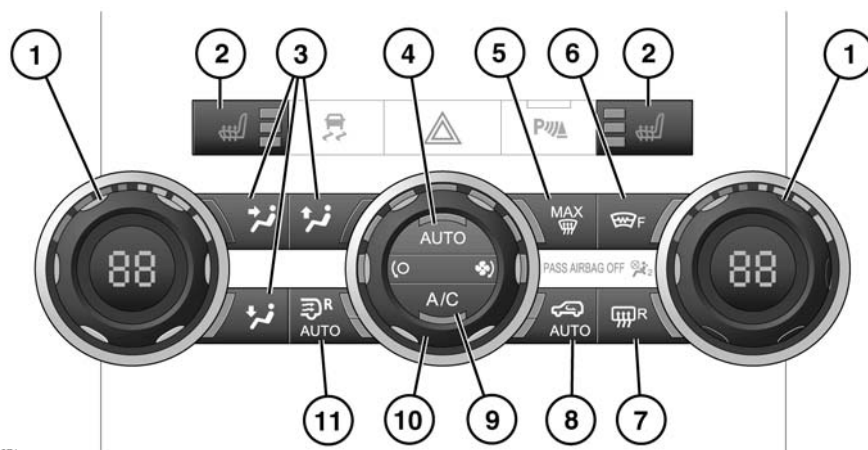
If the message is suppressed, an amber warning icon will remain illuminated until the cause of the message is rectified.

Warning messages are accompanied by an audible warning. These messages are displayed until the condition causing the message changes or the message is suppressed using the **OK** button on the steering wheel.

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

Heating and ventilation

CONTROLS



SL1071

1. Temperature controls.
2. Seat heaters: Press once to turn on high, twice to turn on low, and a third time to turn off.
3. Air distribution buttons.
4. Auto mode.
5. Defrost mode.
6. Heated front windscreen.
7. Heated rear screen.
8. Air recirculation control
9. Air conditioning on/off: With air conditioning off, the system operates in economy mode, improving fuel economy.
Note: Using the system without air conditioning for long periods can cause the windows to mist.
10. Blower control:
Rotate to adjust blower speed.
Rotate fully anticlockwise to turn the climate control system off.
11. Rear environment.

Note: The indicator lights in the switches will illuminate when the function is selected.

Note: In low temperatures it is advisable to close the centre 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.

AUTO MODE

Press AUTO to select automatic operation.

The system will adjust the heat output, blower speed, air intake and airflow distribution to maintain the selected temperature(s) and reduce misting without further adjustments.

The air distribution and blower controls may be operated independently to override Auto mode. If you do this, the indicator lamp on the AUTO switch will go out. Press **AUTO** again to return to automatic operation.

Note: The system will not achieve a temperature differential from left to right of more than 4°C (7°F).

Heating and ventilation

AIR DISTRIBUTION CONTROL

Press to select the desired distribution setting:



Windscreen and side window vents



Face level vents



Foot level vents

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

RECIRCULATION



When selected, the air is recirculated inside the vehicle. This helps to maintain a high or low temperature, and is useful for preventing fumes entering the vehicle.

Note: The windows can mist if recirculation is used for long periods.

RECIRCULATION WITH POLLUTION SENSOR



Press once to activate air recirculation. Press again to activate automatic air recirculation.

In automatic mode, air recirculation is regulated to achieve optimum air conditioning performance.

Press a third time to switch off.

Note: The windows can mist if recirculation is used for long periods.

MAXIMUM DEFROST PROGRAM



Press to remove frost or heavy misting from the front screen. The system will automatically adjust the blower output for maximum clearing, in addition the front and rear screen heaters will be activated. Press again to switch off defrost mode. The screen heaters will remain on.

REAR ENVIRONMENT



The rear environment unit provides climate control to the rear passengers.

- Press once to control the rear heating and air conditioning using the front controls only. The lower amber lamp is illuminated.
- Press a second time to allow the rear passengers to have manual control. The upper amber light is illuminated.
- Off: press a third time to switch off.

Note: Do not obstruct the vent on the side of the rear quarter panel.

HEATED WINDSCREENS



Heated windscreen



Heated rear screen

Press button to operate the required screen heater. The screen heater(s) will operate for a predetermined timed period before automatically switching off.

The screen heaters will be automatically switched on if defrost mode is activated or if the external air temperature is low.

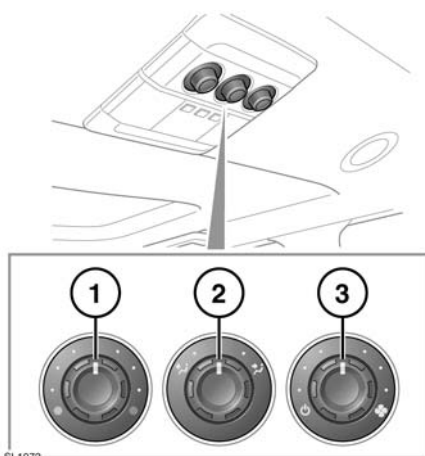


Do not attach labels to the rear screen. Do not scrape or use abrasive materials to clean the inside of the screen.

HEATED MIRRORS

The heated external rear view mirrors operate automatically according to the external temperature and windscreen wiper operation.

REAR PASSENGER CLIMATE CONTROLS

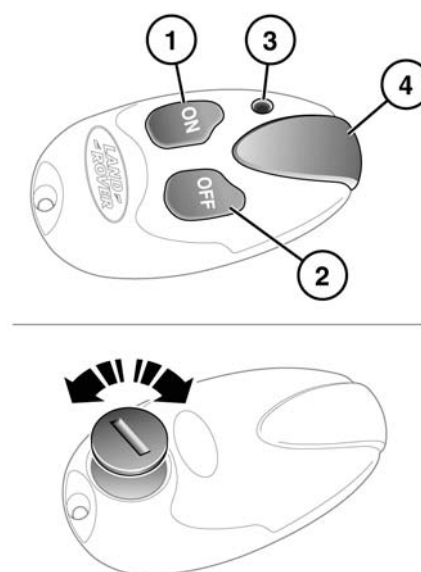


1. Temperature control:
Clockwise rotation increases the temperature.
2. Distribution control:
Turn to the relevant icon to direct airflow. The control may be turned to a position between icons to split airflow between different vents.
3. Blower control.

Note: These controls only operate when the rear environment button is pressed twice, enabling rear manual operation.

AUXILIARY HEATER

Your vehicle may be fitted with an auxiliary heater which is powered by fuel drawn from the vehicle's tank. The heater only operates at low ambient temperatures, and is controlled by the Timed climate control system.



SL1074

The remote control has an approximate range of 100 m. There is no need to point the antenna at the vehicle.

1. On button.
2. Off button.
3. LED (operation indicator).
4. Antenna.

Note: Avoid touching the antenna when operating the **ON** or **OFF** button.

Heating and ventilation

When the heater is operating exhaust fumes from the heater may be visible exiting from under the front of the vehicle. This is normal, and not a cause for concern.



Do not operate the auxiliary heater when refuelling the vehicle. Doing so may cause fuel vapours to combust causing a fire/explosion.



Do not operate the auxiliary heater whilst the vehicle is in an enclosed space. Doing so can cause a build up of highly toxic fumes which may cause unconsciousness or death.

REPLACING THE BATTERIES

With the back of the remote control facing upwards, use a coin or similar implement to rotate the battery cover. Lift the cover off to reveal the battery compartment. Remove the old battery and, ensuring that the correct polarity is maintained, insert a replacement 3.3 volt, CR1/3N battery. Replace the cover and rotate it to lock it closed.

TIMED CLIMATE CONTROL

The system provides a comfortable temperature inside the cabin in advance of driver and passengers entering. Dependent on the external temperature, the system draws in fresh air to cool the cabin, or operates the auxiliary heater to warm it.

The auxiliary heater is also operated to warm the engine and aid starting in very cold conditions.

The timed climate control system may be operated by either the touch screen or the remote handset.

SWITCHING ON

Press and hold the **ON** button for approximately two seconds. The LED will illuminate to confirm that an automatic heating program has been initiated. The LED flashes once every 2 seconds to indicate that the heater is active.

The heating program will continue for 30 minutes, when it will switch off automatically to prevent the vehicle battery from discharging. It also turns off automatically if the engine is started.

The system may not operate, or will switch off automatically, if:

- If the fuel level is low.
- If the vehicle's battery charge is low.
- If the coolant temperature is at or above its required temperature.

The LED indicator, contained in the remote control, signals various states and conditions for the heater as follows:

- Illuminates green for 2 seconds when the **ON** button is pressed, to indicate that heater operation has been requested.
- Illuminates red for 2 seconds when the **OFF** button is pressed, to indicate that the heater has stopped.
- Flashes green or red for 2 seconds when the on or off buttons are pressed, to indicate that the signal was not received.
- Illuminates orange for 2 seconds before showing green or red, to indicate that the remote battery is low.
- Flashes orange for 5 seconds to indicate that the signal was not received and the remote battery should be replaced.

ADDITIONAL REMOTES

Additional remote controls can be programmed to operate the heater. A maximum of 3 remotes can be programmed to each vehicle. You should contact your Land Rover Dealer to purchase additional remotes and have them programmed to your vehicle.

USING THE TOUCH SCREEN

The touch screen can be used to either, program preset activation times for the timed climate control system, or to operate the system manually.

Note: *When activated, the heating program will operate for 30 minutes before being automatically switching off, to prevent the vehicle battery being discharged.*

The system can be programmed to operate once or twice in any 24 hour period. If the vehicle is used each day the system will continue to operate each day until cancelled. If the vehicle is not used for 24 hours, this cycle will be cancelled.

Note: *Operation of timed climate control will resume the next time the ignition is turned on.*

When the system is operating, the LED in the AUTO button will flash.

Note: *The system will cease operation if the engine is started.*

SETTING A TIME FOR TIMED CLIMATE OPERATION.

To preset a time for timed climate operation, touch the Timed climate icon on the touch screen Home menu. Alternatively, this menu can be accessed from the Vehicle settings menu.

Touch the **Set** icon next to the timer you would like to program.

Touch the up or down arrows to select the time you want the system to begin operation. Then select **OK**.

The screen will now show the time at which the system is set to activate. If required, set the time for the other timer using the same process.

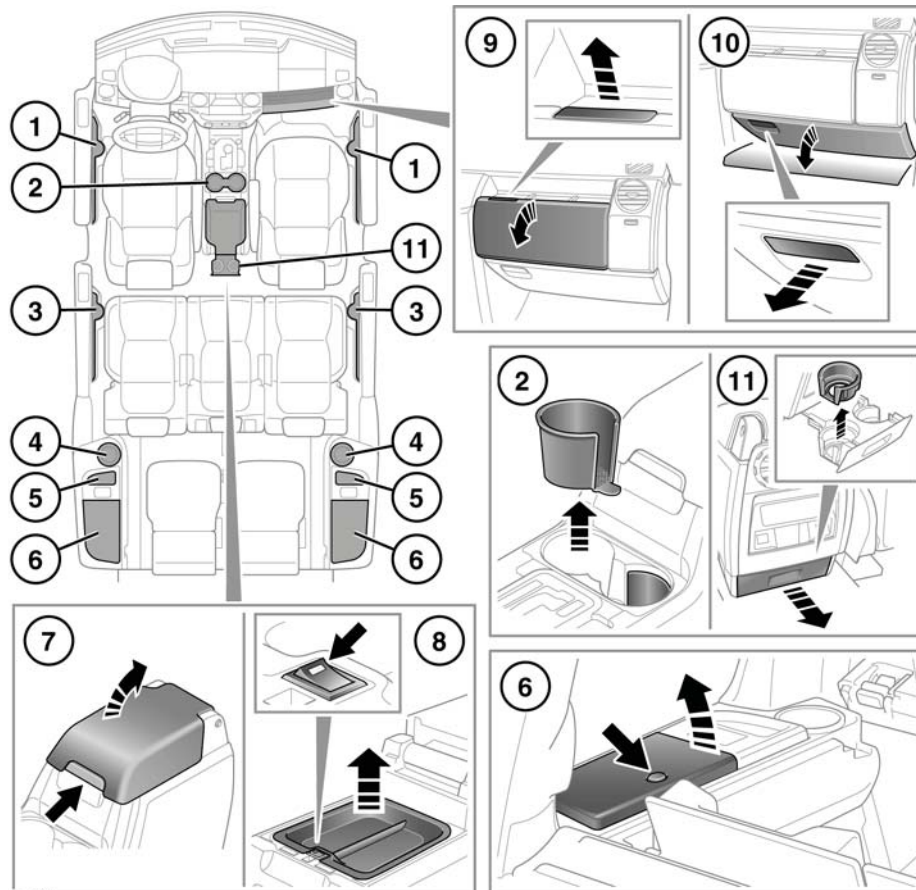
A previously set time may be cancelled by switching on the vehicle.

The timed climate screen will update to show **OFF**, next to the respective timer.

Note: *The time format shown is determined by the time settings currently selected in the System Settings menu. See 55, PERSONALISING THE SYSTEM SETTINGS.*

Convenience features

CUP HOLDERS AND STORAGE



SL1067




Ensure that any items stored in the vehicle are secure and cannot move. If the vehicle is involved in an accident, or subject to sudden braking or direction change, loose items can cause serious injury.



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

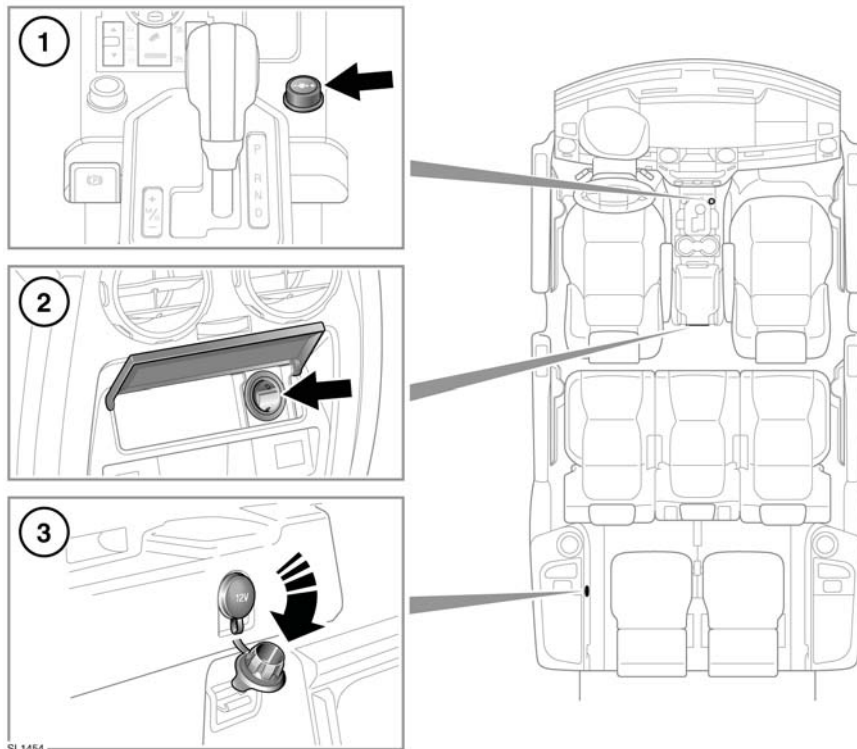
1. Door bottle holders.
2. Centre console cup holders.
3. Second row seat cup holders.
4. Rear compartment cup holders.
5. Additional storage.
6. Rear storage bins.

Convenience features

7. Centre console storage:
The rubber matt at the bottom of the centre console is designed to hold CD cases.
8. Cool box:
Switch on and off using the switch on the inside front lip. There is a short delay between pressing the switch and illumination of the indicator.
The cool box will work best when the cooling tray is used.
Note: *The cool box will only operate with the ignition turned on.*
 The cool box should be switched off when it is not needed to preserve battery charge.
9. Glovebox.
10. Lower glovebox.
11. Second row seat cup holders.

Convenience features

AUXILIARY POWER SOCKETS



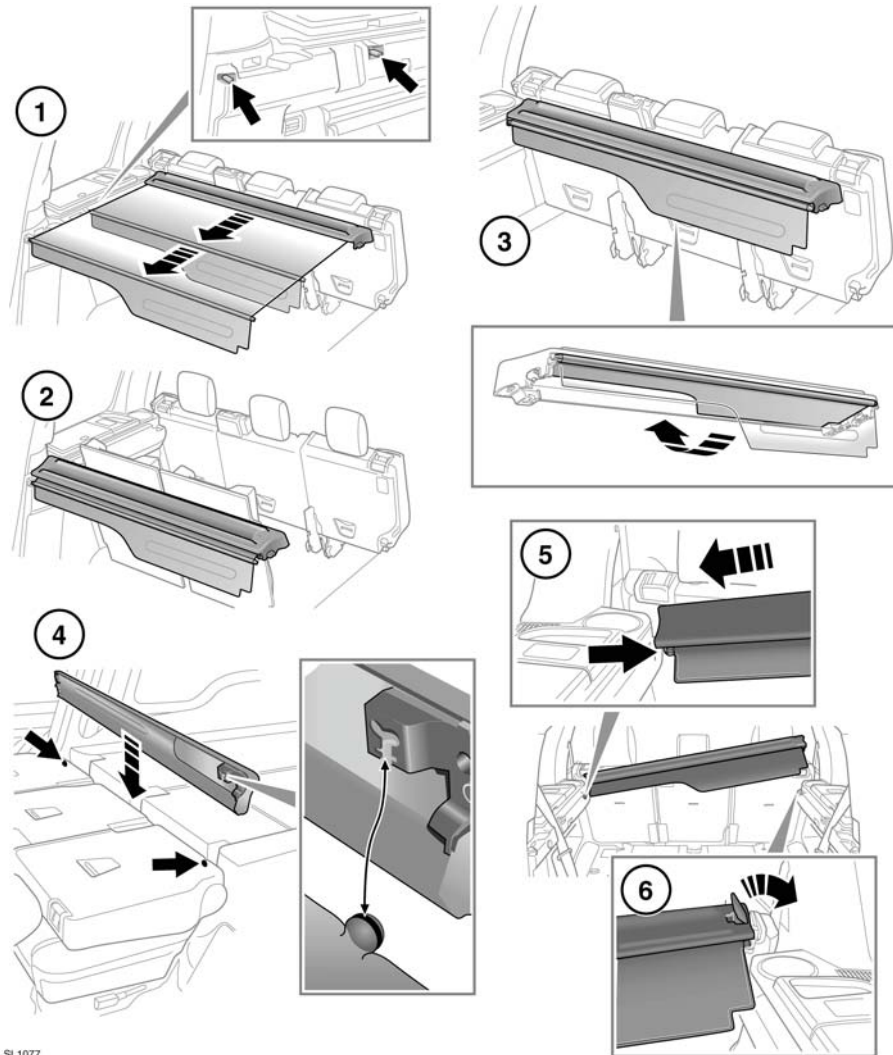
SL1454

1. Front power socket.
2. Second row power socket.
3. Loadspace power socket.


- ⚠ Only use Land Rover approved accessories. Using any other equipment may damage the vehicle's electrical system. If you are in any doubt contact a Land Rover Dealer/ Authorised Repairer.
- ⚠ The engine should be running when using accessories for long periods. Failure to do so can discharge the battery.

Note: Power sockets can be used to power approved accessories that use a maximum of 180 Watts.

LOADSPACE COVER



SL1077

 **Never place objects on top of the luggage cover. During an accident or sudden manoeuvre, loose objects can cause serious injury or death.**

1. Pull the rigid portion of the cover to unroll. Engage the end pieces into the recessed features moulded into the loadspace sides.

Load carrying

2. The luggage cover can be fitted in two positions. The foremost fitting is close behind the second row of seats; the rearmost is behind where the third row of seats are/would be fitted
3. To retract the load cover, disengage the ends from the recessed areas and allow the soft portion of the cover to retract into its housing. Fold the rigid portion back under the unit and press to clip in place.
4. In the 7 seat vehicle only, the luggage cover may be stowed behind the second row seats when not in use. See **18, FOLDING THE SEATS- 7 SEAT VEHICLE** for more details of loadspace cover stowage.
In 5 seat vehicles the cover must be removed from the vehicle altogether if not in use.
5. To remove the loadspace cover, first pull up the paddle at the right hand end of the cover.
6. Lift the right hand end of the unit and pull away from the left hand side.

Note: It is easier to remove/refit the luggage cover if the second row seat backs have been tipped forward.

Note: Installation of the loadspace cover is the reverse of removal.

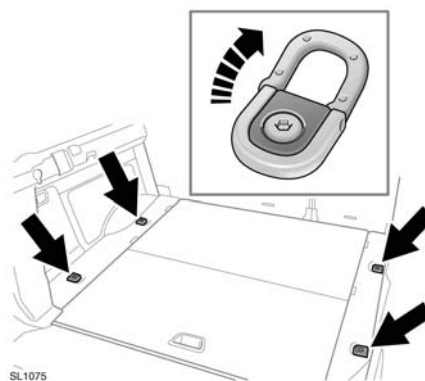


When fitting the luggage cover in position, ensure that the paddle returns to the flush (horizontal) position. Failure to do so may allow the luggage cover to move during an accident or sudden manoeuvre.



Do not store the loadspace cover loose in the vehicle.

LUGGAGE ANCHOR POINTS



To assist in safely securing large items of luggage, four fixing points are located in the rear loadspace floor.



All items carried in the luggage area should be properly secured.

Note: A range of approved luggage retention accessories are available from your Land Rover Dealer/Authorised Repairer.

RECOMMENDED TOWING WEIGHTS

Maximum permissible towing weights	On-road	Off-road
Unbraked trailers	750 kg (1650 lbs)	750 kg (1650 lbs)
Trailers with overrun brakes	3500 kg (4400 lbs)*	1000 kg (2205 lbs)
Nose weight	150 kg (330 lbs)	-
Nose weight - Australia only	350 kg (770 lb)	-


* For diesel vehicles in Algeria, Egypt, India, Libya, Morocco, Pakistan and Tunisia, the maximum permissible towing weight for a trailer with overrun brakes is 1500 kg (3307 lbs).


See **208, WEIGHTS**, for details of the Gross Vehicle Weight (GVW), Gross train weight, axle weights and maximum payload.

Note: When towing, the maximum permissible Gross Vehicle Weight can be increased by a maximum of 100 kg (220 lbs) provided that the road speed is limited to 100 km/h (60 mph).


Note: When calculating rear axle loading, remember that the trailer nose weight, the load in the vehicle's luggage area, weight on the roof rack, and the weight of rear seat passengers must all be added together.

TRAILER ELECTRICAL CONNECTION


 Only connect approved electrical circuits, which are in good condition, to the trailer socket.


 When a trailer electrical connection is made, and the vehicle's direction indicators are used, the trailer warning lamp will flash in time with the direction indicators.

TOWING A TRAILER

 **Never exceed the maximum weights for either the vehicle, or the trailer. Doing so can cause accelerated wear and damage to the vehicle. It can also 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.**

 **To preserve handling and stability, only fit Land Rover approved towing accessories.**

 **Never use towing eyes or lashing points to tow a trailer. They have not been designed for this purpose and doing so may cause them to fail, resulting in injury or death.**

 To avoid overheating the gearbox (and the clutch on manual vehicles), it is not advisable to tow heavy trailer loads at speeds of less than 32 km/h (21 mph) in High range. Select Low range instead.

LEVELLING

To maintain vehicle stability, it is essential that the trailer is loaded so that it remains parallel to the ground. This is particularly important when towing twin axled trailers.

Towing

ESSENTIAL TOWING CHECKS

- When calculating the laden weight of the trailer, remember to include the weight of the trailer, plus the weight of the load.
- If the load can be divided between the vehicle and trailer, loading more weight into the vehicle will generally improve stability. Do not exceed the vehicle's weight limits.
- Increase rear tyre pressures of the towing vehicle to those for maximum vehicle loading conditions.
- Ensure trailer tyre pressures are set to trailer manufacturer's recommendations.
- If the vehicle is loaded to maximum Gross Vehicle Weight (GVW) the nose weight is limited to 150 kg (330 lbs). See **208, WEIGHTS**.
- If it is necessary to increase the nose weight up to a maximum of 250 kg (550 lbs), the vehicle load should be reduced accordingly. This ensures that the GVW and maximum rear axle load are not exceeded.
- Ensure that a suitable breakaway cable or secondary coupling is used. Refer to the trailer manufacturer's instructions for guidance.
- Ensure that the tow ball is secure.
- Check the operation of all trailer lights.



Do not loop the breakaway cable over the tow ball as it may slide off.



Do not exceed the Gross Vehicle Weight (GVW), maximum rear axle weight, maximum trailer weight, or nose weight. Exceeding any of these limits could cause instability and loss of control.

Australia only:

- **Tyre pressures** - Increase rear pressures of towing vehicle to those for maximum Gross Vehicle Weight conditions.
- **Nose weight** - Must be a minimum of 7% of gross caravan/trailer weight, up to a maximum of 350 kg (722 lb).
- **Hitch height** - Must be set with the engine running, so that the caravan/trailer is level when connected to the vehicle.

TOW BALL/DRAWBAR STOWAGE

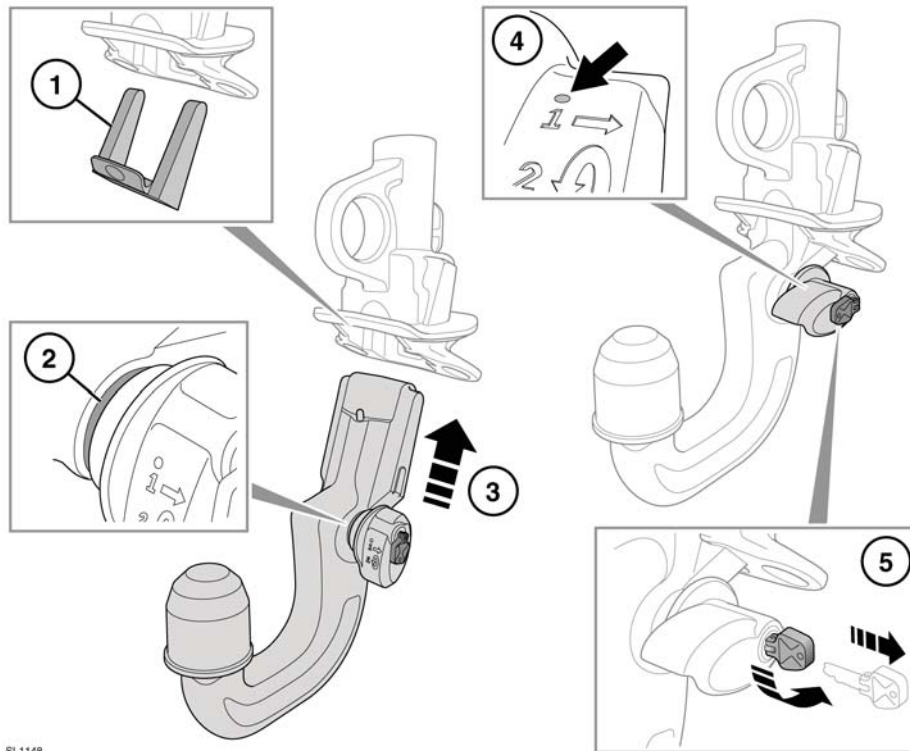


The tow ball/drawbar receiver is heavy, care must be taken when handling it. When the ball locks into position, the locking lever can snap back under spring pressure, take care not to catch your fingers.

5 seat vehicles: The tow ball/drawbar receiver is stowed under the loadspace floor.

7 seat vehicles: The tow ball/drawbar receiver is stowed behind an access cover on the left hand side of the loadspace.

FITTING THE DETACHABLE TOW BALL



SL1148

1. Remove the protective cover from the tow ball and stow it in the tow ball stowage area.
2. The tow ball can only be installed when the green locking lever is in the unlocked position.
3. Insert the tow ball into the mounting and push firmly upwards until the tow ball locks into position.
4. The red marker must be completely covered by the green locking lever.
5. Turn the key counterclockwise to lock the tow ball and remove the key before towing.

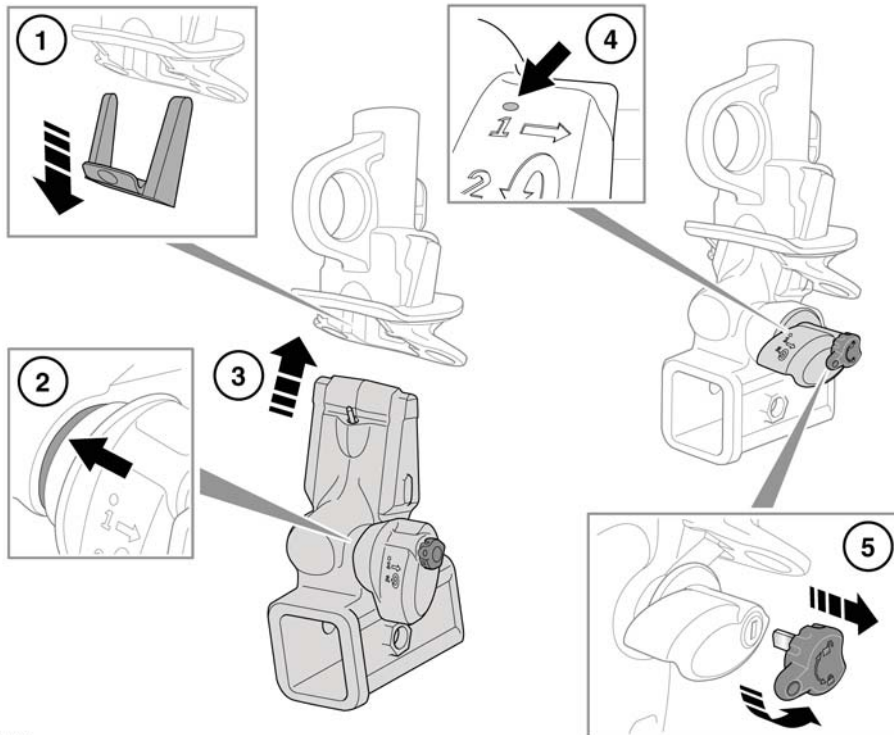
REMOVING THE DETACHABLE TOW BALL

Removal of the tow ball is the reverse of fitting.

Note: The key cannot be removed when the tow ball has been detached.

Towing

FITTING THE DETACHABLE DRAWBAR RECEIVER - Australia only



SL1753

1. Remove the protective cover from the vehicle mounting and stow it into the drawbar receiver stowage area.
2. The receiver can be installed only when the green locking lever is in the unlocked position.
3. Insert the receiver into the vehicle mounting and push firmly upwards until it locks into position.
4. The red marker must be completely covered by the green locking lever.
5. Unfold the key and turn it anticlockwise to lock the receiver, before inserting a drawbar. Remove the key and store in a safe place.

REMOVING THE DETACHABLE DRAWBAR RECEIVER

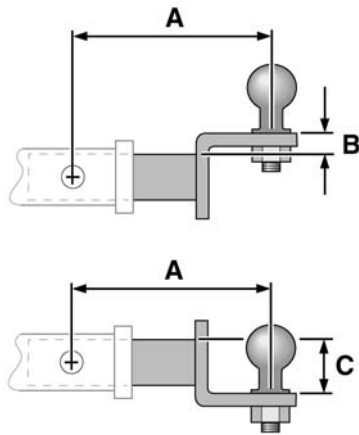
Removal of the drawbar receiver is the reverse of fitting.

Note: The key cannot be removed when the drawbar receiver has been detached.

TRAILER HITCH - Australia only

The optional trailer hitch (drawbar) receiver is rated as a Class III.

When selecting a drawbar for the receiver, the following dimensions must be adhered to:



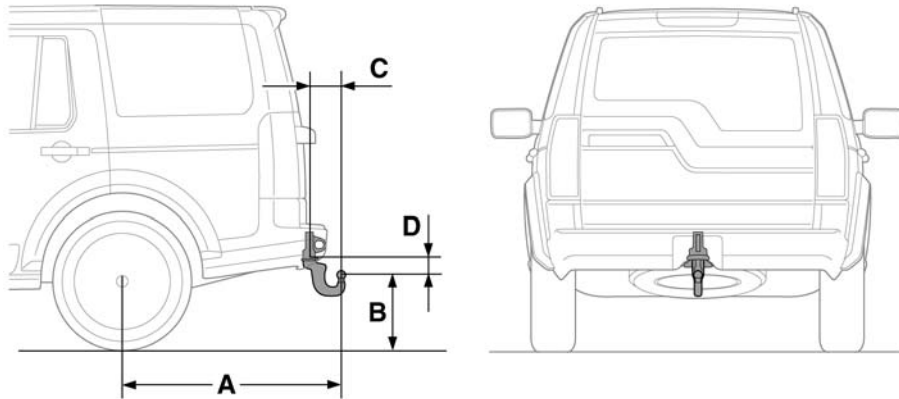
SL1754

- A.** The maximum recommended drawbar length is 152 mm (6 in.).
- B.** To achieve the maximum ball height, a drawbar with a rise of 25.4 mm (1 in.) is recommended.
- C.** To achieve the minimum ball height, a drawbar with a drop of 60 mm (2 3/8 in.) is recommended.

Consult your Land Rover Dealer/Authorised Repairer for the latest information.

Towing

TOW BALL AND MOUNTING POINT DIMENSIONS - FIXED TOW BALL



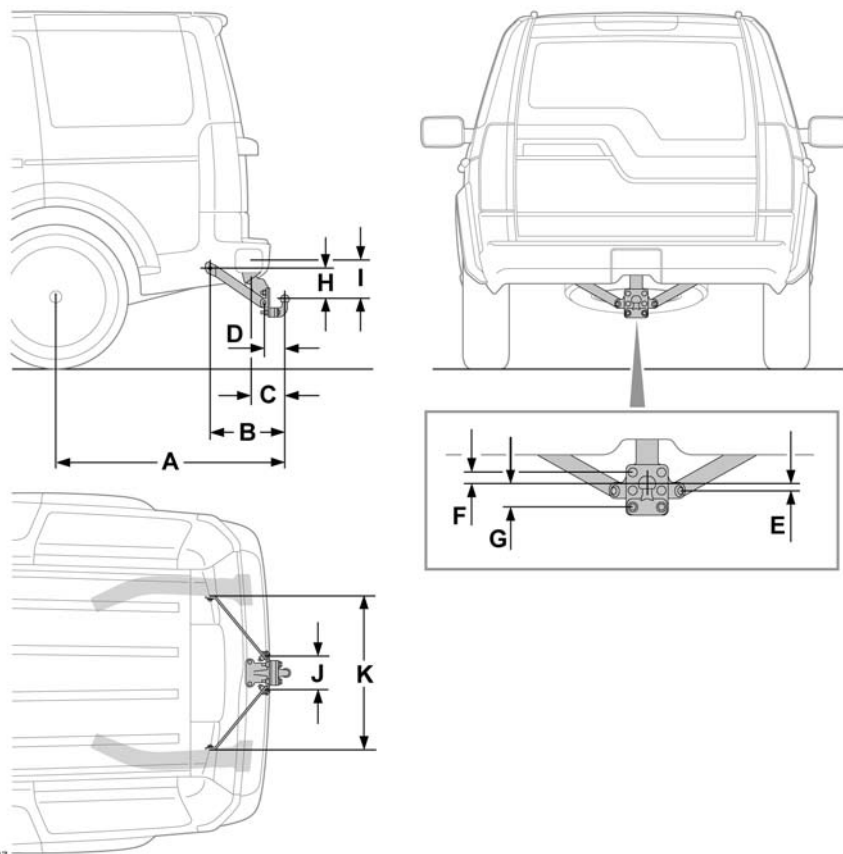
SL1146

Ref.	Dimension	Metric	Imperial
A	Wheel centre to centre of tow ball	1,190 mm	46.9 in.
B	Ground to centre of tow ball	409 mm	16.1 in.
C	Centre of tow ball to tow bar attachment	170 mm	6.7 in.
D	Centre of tow ball to tow bar attachment	124 mm	4.9 in.

Note: Dimensions refer to towing equipment officially released by Land Rover.

Note: Australia only: The optional drawbar has significantly different dimensions and is rated as a Class III. See 73, **TRAILER HITCH - Australia only.**

**TOW BALL AND MOUNTING POINT
DIMENSIONS - MULTI-HEIGHT DROP
PLATE**



SL1147

Ref.	Dimension	Metric	Imperial
A	Wheel centre to centre of tow ball	1,210 mm	47.64 in.
B	Centre of outer attachment points to centre of tow ball (horizontal)	403.6 mm	15.89 in.
C	Centre of housing bayonet slot tip radius to centre of tow ball	192.4 mm	7.57 in.

Towing

Ref.	Dimension	Metric	Imperial
D	Centre of inner attachment points to centre of tow ball (horizontal)	124 mm	4.9 in.
E	Centre of inner attachment points to centre of tow ball (vertical)	20 mm	0.79 in.
F	Centre of upper tow ball plate bolt to centre of tow ball (vertical)	36 mm	1.42 in.
G	Centre of lower tow ball plate bolt to centre of tow ball (vertical)	70 mm	2.76 in.
H	Centre of outer attachment points to centre of tow ball (horizontal)	167.3 mm	6.59 in.
I	Centre of line housing bayonet slot tip radius to centre of tow ball (vertical)	174.3 mm	6.86 in.
J	Distance between inner attachment point centres	180.5 mm	7.10 in.
K	Distance between outer attachment point centres	822.5 mm	32.38 in.

Starting the engine

STEERING COLUMN LOCK

- ⚠ During vehicle recovery, the Smart Key must remain inside the vehicle, so that the steering column remains unlocked.

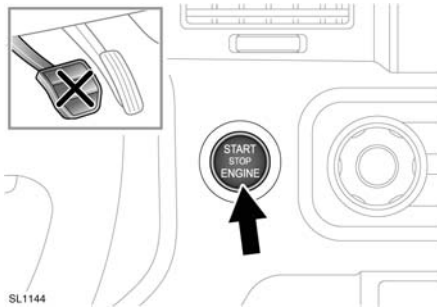
Your vehicle is fitted with an electronic steering column lock. The column unlocks when a Smart Key is detected inside the vehicle.

If any malfunction of the steering column lock occurs, **STEERING COLUMN LOCKED** will be displayed in the message centre. If this occurs:

1. Lock and then unlock the vehicle using the Smart Key.
2. Try again to unlock the steering column lock, by turning the steering wheel gently to the left and right.
3. If the problem persists, seek qualified assistance immediately.

SWITCHING ON THE IGNITION

To turn on the ignition without starting the engine. Ensure the brake and/or clutch pedal are not depressed, and with a valid Smart Key present in the vehicle, press the START/STOP button and hold until the warning lamps illuminate, then release the button.



- ⚠ If the brake or clutch pedal are applied when the start/stop button is pressed, the engine will start.

BATTERY CHARGING - RED



Illuminates as a bulb check when the ignition is turned on and extinguishes once the engine is running. If it remains on, or illuminates whilst driving, a fault with the battery charging system is indicated. Seek qualified assistance urgently.

LOW OIL PRESSURE - RED



Illuminates as a bulb check when the ignition is turned on and extinguishes when the engine is started. If the warning lamp remains on, flashes on and off, or illuminates whilst driving, stop the vehicle as soon as safety permits and switch off the engine immediately. Always check the oil level when this lamp illuminates. If the oil level is ok, seek qualified assistance before driving.

Starting the engine

KEYLESS STARTING



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

To start the engine:

- The Smart Key must be inside the vehicle.
- **P** or **N** must be selected (automatic transmission only).
- Apply the brake pedal (and/or the clutch pedal on manual transmission).
- Press and release the START/STOP button.

Once the engine has started, the brake (and/or clutch) pedal can be released if it safe to do so.

ADDITIONAL INFORMATION FOR DIESEL ENGINE MODELS

Diesel engine models may have an additional delay of up to 12 seconds between the START/STOP button being pressed and the engine starting. During this delay period, keep the brake or clutch pedal depressed and do not press the START/STOP button a second time. Doing so will cancel the starting procedure.

***Note:** In very cold conditions it is normal for the engine cranking time to be increased.*

IF THE ENGINE FAILS TO START

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

Petrol engines:

If the engine persistently fails to start, make sure the transmission is in **P** or **N** (neutral for manual transmission) and press the START/STOP button (without applying the brake pedal) to switch on the ignition. Slowly depress the accelerator pedal fully, then hold it in the fully down position and press the START/STOP button with the brake pedal applied. The engine will then begin to crank. Release the accelerator pedal when the engine starts.

If the engine fails to crank, or fails to start, consult your Dealer/Authorised Repairer.

Diesel engines:

If the engine persistently fails to start, make sure the transmission is in **P** or **N** (neutral for manual transmission vehicles) then press the START/STOP button (with the brake pedal applied). Keep the START/STOP button and the brake pedal pressed until the engine starts, then release.

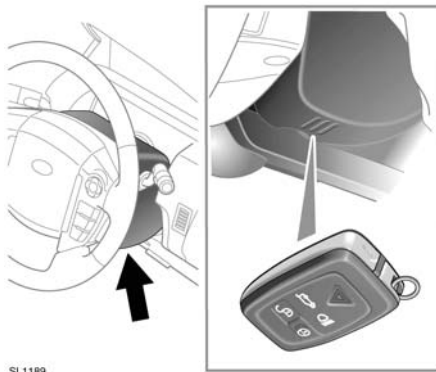
If the engine still fails to crank, or fails to start consult your Dealer/Authorised Repairer.

Starting the engine

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 Place As Shown** is displayed in the message centre.



Position the Smart Key against the underside of the steering column cover with the buttons facing downwards.

Note: There are markings on the cover to help locate the correct position.

When the Smart Key is positioned in this area, it will be recognised by the vehicle and the message **Smart Key Recognised** will be displayed in the message centre.

Holding the Smart Key in position and the brake or clutch pedal depressed, press and release the START/STOP button to start the engine.

Once the engine has been started, you no longer need to hold the Smart Key against the steering column cover.

Note: If the Smart Key is not recognised or the engine still fails to start, consult your Dealer/ Authorised Repairer

STOPPING THE ENGINE



Never stop the engine when the vehicle is in motion.

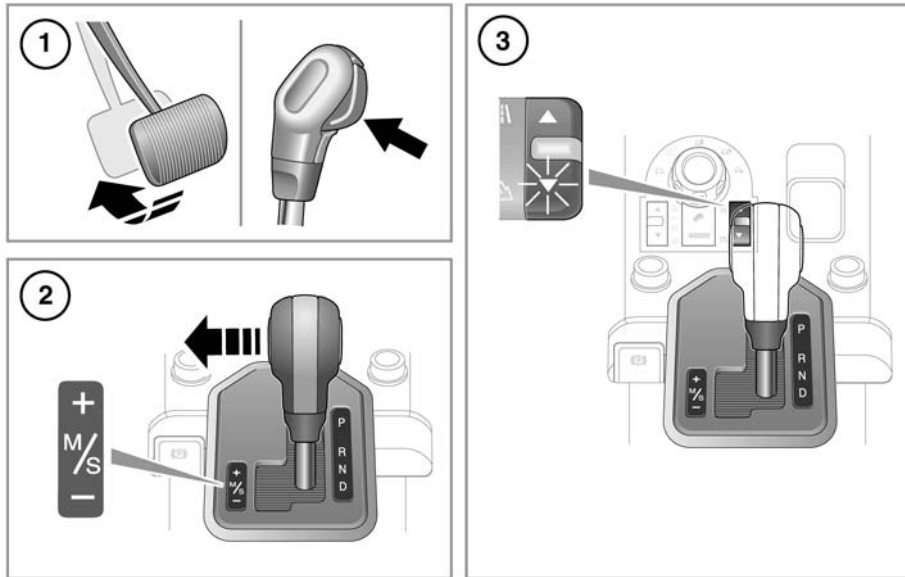
Before stopping the engine, ensure that the vehicle is parked safely with the parking brake applied. On automatic transmission vehicles, the gear selector will also need to be in **P**.

Press and release the engine START/STOP button to stop the engine. The audio, telephone and touch screen systems will revert to stand-by mode.

Pressing the START/STOP button again (without pressing the brake or clutch pedal), will activate the systems.

Gearbox

AUTOMATIC TRANSMISSION



SL1079

1. To select Drive (**D**) when the vehicle is stationary, apply the foot brake and press the gear selector release button.
Note: *If pressure is applied to the selector lever before the foot brake is applied, any gear selected may not be available, irrespective of the lever position. In this situation, remove pressure from the selector lever, ensure that the foot brake is applied and select the required gear.*
2. To select sport mode, move the gear selector to the left. **S** will appear in the gear selector display and the LED to the side of the gear selector illuminates.
To use CommandShift™, first select sport mode, then move the selector lever forward to move up a gear, and back to move down gear.

To return to automatic mode move the selector lever back to the **D** position. The **D** on the selector display will illuminate to confirm that automatic mode has been selected.

3. The transfer gearbox switch allows selection of high or low range gears.
 - ⚠ Do not use auxiliary equipment, such as roller generators that are driven by only one or two wheels of the vehicle, as they will cause failure of the transfer gearbox.
 - ⚠ **Park (P) should be engaged and the parking brake applied when the vehicle is stationary.**
 - ⚠ **Always select P and switch off the ignition before leaving the vehicle.**

- ⓘ Never select Park (**P**) whilst the vehicle is in motion.
- ⓘ Never select Reverse (**R**) whilst the vehicle is in forward motion.
- ⓘ Never select a forward gear whilst the vehicle is in rearward motion.
- ⓘ Do not rev the engine or allow it to run above normal idle speed, while selecting **D** or **R**, or whilst the vehicle is stationary with any gear selected.
- ⓘ Do not allow the vehicle to remain stationary for any length of time, with a gear selected and the engine running. Always select **P** or **N** if the engine is to idle for a prolonged period.

COMMANDSHIFT™

If CommandShift™ is selected in high range, 1st gear must be used for moving off from stationary. In low range, gears 1, 2 or 3 may be used. This may prove useful in certain off-road driving conditions.

To return to Sport mode after CommandShift has been selected, move the gear selector lever into the **D** position, then back to Sport mode.

TRANSMISSION COMMANDSHIFT SELECTED will appear in the message centre when the transmission is in CommandShift mode.

Note: *In order to protect the engine, the transmission will automatically change up to prevent over-revving, or down if the engine is labouring.*

HILL DESCENT

With Hill Descent Control (HDC) selected in either automatic, Sport or CommandShift modes, a low gear will be selected and maintained to provide maximum engine braking. Should the gear lever be moved to **D** from the sport/CommandShift position, the selected gear will be retained until the descent is completed. See **101, HDC OPERATION**.

TRANSMISSION FAULT

In the event that the transmission develops a fault, a warning message may be displayed in the message centre and only limited gears may become available. You should seek qualified assistance immediately.

MANUAL TRANSMISSION

- ⓘ Selection of reverse gear is prevented when the vehicle is travelling in excess of 24 km/h (15 mph). Never attempt to engage reverse gear whilst the vehicle is in forward motion. This may result in serious transmission damage and costly repairs.

TRANSFER GEARBOX

High range (Hi):

Hi should be used for all normal road driving and also for off-road driving across dry, level terrain.

Low range (Lo):

Lo should only be used in situations where low speed manoeuvring is necessary.

Also use **Lo** for more extreme off-road conditions. Do not attempt to use **Lo** for normal road driving.

Gearbox

STATIONARY RANGE CHANGING

With the vehicle stationary, select N.

Move the transfer gear switch towards the range required and release. The switch returns to the default position and range change status will be confirmed after several seconds.

RANGE CHANGE INDICATORS

In Hi, the Hi range switch indicator is illuminated.



In Lo, the green warning lamp in the instrument pack and the Lo range switch indicator are illuminated.

While a range change is in progress, the range indicator lamps will flash as follows:

Hi to Lo change:

- The Lo range warning lamp and indicator flash during the change and then illuminate constantly.
- The Hi range indicator extinguishes when the change is complete.
- The message **LOW RANGE SELECTED** is briefly displayed in the message centre.

Lo to Hi change:

- The Hi range indicator and the Lo range lamp and indicator flash during the change.
- The Hi range indicator illuminates constantly when the change is complete.
- The Lo range indicator extinguishes when the change is complete.
- The message **HIGH RANGE SELECTED** is briefly displayed in the message centre.

RANGE CHANGING ON THE MOVE

The recommended method of changing range is with the vehicle stationary. For experienced off-road drivers, a range change on-the-move can be accomplished, as detailed below.

AUTOMATIC TRANSMISSION HIGH TO LOW RANGE

1. With the vehicle slowing down, and travelling between 40 km/h (24mph) and 3 km/h (2 mph), select **N**.
2. Press the rear of the transfer gear switch to select **Lo**.
3. Wait for the range change to be completed (this may take several seconds). Once complete, select the desired gear. A gear cannot be selected until the range change is complete.

MANUAL TRANSMISSION HIGH TO LOW RANGE

1. With the vehicle slowing down, and travelling between 20 km/h (12 mph) and 3 km/h (2 mph), depress the clutch and select neutral.
2. Press the rear of the transfer gear switch to select **Lo**.
3. Wait for the range change to be completed (this may take several seconds). Once complete, depress the clutch and select the desired gear. If a gear is selected before the range change is complete, the range change will be cancelled, leaving the transfer box in neutral or **Hi**. An audible warning will be given.
4. After a failed range change, it will be necessary to reselect neutral in the main gearbox and repeat the range change procedure.

CHANGING FROM LOW TO HIGH RANGE

With the vehicle travelling no faster than 60 km/h (38 mph), select **N** or neutral. Press the front of the transfer gear switch to the **Hi** position and release it.


Indication of the range change status is the same as for the stationary method.


Now select **D** or the most appropriate manual gear for the vehicle speed.

Stability control


DYNAMIC STABILITY CONTROL (DSC)

DSC is automatically enabled each time the engine is started, and is automatically enabled by some of the Terrain response special programs.

 **Your vehicle has a higher ground clearance and hence, a higher centre of gravity than ordinary passenger cars, to enable the vehicle to perform in a wide variety of off-road applications. An advantage of the higher ground clearance is a better view of the road allowing you to anticipate problems.**

 **The vehicle is not designed for cornering at the same speed as conventional passenger cars any more than a low-slung sports car is designed to perform satisfactorily under off-road conditions. If at all possible, avoid sharp turns or abrupt manoeuvres. As with other vehicles of this type, failure to operate the vehicle correctly may result in loss of control or vehicle rollover.**


DSC WARNING LAMP

 The DSC warning lamp in the instrument pack illuminates briefly when the ignition is turned on.

If the warning lamp flashes rapidly during driving, the system is active.

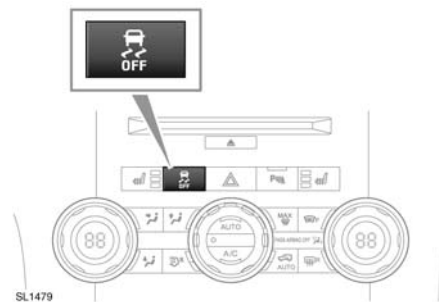
A fault with the DSC system is indicated by the DSC warning lamp illuminating and an associated warning message. The vehicle can still be driven, but without DSC assistance. Seek qualified assistance as soon as possible.

DISABLING DSC

 **Safety may be reduced by inappropriately disabling DSC. In the majority of driving situations, and particularly on-road, it is recommended that you do not disable DSC.**

In some driving conditions it may be appropriate to disable DSC to improve traction. These conditions include:

- Rocking the vehicle out of a hollow or deep rut.
- Pulling away in deep snow, or a loose surface.
- Driving through deep sand or mud.



To disable DSC, press and briefly hold the DSC OFF switch on the fascia (the DSC off warning lamp will illuminate continuously).

Deactivating DSC also reduces the level of Traction control intervention and may lead to an increase in wheel spin.

RE-ENABLING DSC

DSC is re-enabled by one of the following:

- Press and briefly hold the DSC OFF switch.
- Start the engine.
- Select a new Terrain response special program.

ELECTRONIC TRACTION CONTROL (ETC)

ETC operates in conjunction with Dynamic Stability Control (DSC) and is designed to assist when one or more wheels have lost traction.


If a wheel loses traction, ETC will operate the brake on that wheel until it regains traction. The DSC warning lamp will flash to inform the driver that ETC is operating.

DSC SYSTEM FAULT

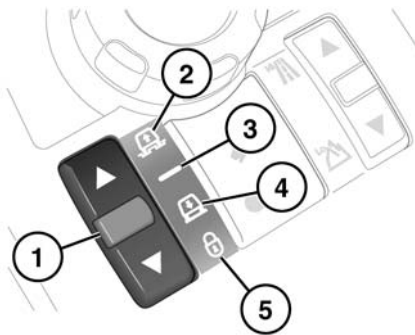
If a fault is detected, the DSC warning lamp will flash continuously when DSC has not been deactivated. The vehicle can still be driven, but seek qualified assistance as soon as possible.

Air suspension

AIR SUSPENSION SYSTEM

 **Ensure that the vehicle is clear of people and obstacles before lowering the suspension. The difference between Off-road height and Access height is 105mm (4.1 in).**

The air suspension system may be used to raise or lower the height of the vehicle, using the air suspension control switch.



SL1458

1. Raise/lower switch:
The up and down arrows will illuminate when a height change is in progress.
2. Off-road height indicator:
Off-road height is 55mm (2.2in) higher than normal height.
3. Normal height indicator.
4. Access height indicator:
Access height is 50mm (2.0in) lower than normal height.
5. System lock indicator.

Note: The system may raise or lower the vehicle automatically (e.g. if a Terrain response program requires it, or if the vehicle is travelling at high speed).

Changes to the height of the vehicle must be made when all doors are closed. Except for remote operation (see **87, REMOTE OPERATION**), the engine must also be running. If a door is opened during a height change, the height change will be suspended. If the door is closed within 90 seconds, the height change will then complete. If the doors are not closed in time, the desired height should be reselected once the doors are closed. Driving off will return the vehicle to normal height.

Note: If the air suspension is used many times in succession, speed of operation may slow.

SELECTING OFF-ROAD HEIGHT

Off-road height can be selected by pressing up on the raise/lower switch (1) at any speed up to 40 km/h (24mph). If selected, and the speed exceeds 50 km/h (30mph), a warning will appear in the message centre and the system will return to normal height.

EXTENDED OFF-ROAD HEIGHT

If grounded in severe off-road conditions, the system may automatically enter Extended mode. The off-road height indicator flashes and a message will be displayed in the message centre. In extended mode, the suspension will raise above off-road height to assist in clearing the obstacle.

Once extended mode height has been achieved, the driver may request additional lifting if required. This is achieved by pressing and holding the raise switch for longer than 3 seconds while pressing the brake pedal.

To cancel extended mode, press the lower switch (1). Extended mode will automatically be cancelled if the vehicle speed remains greater than 5 km/h (3 mph) for 30 seconds.

Note: Extended mode cannot be selected manually.

SELECTING ACCESS HEIGHT

To select access height from normal height, press down on the raise/lower switch. To select access height from Off-road height, press down on the switch once, and then a second time while lowering is in progress. ACCESS HEIGHT SELECTED will be displayed in the message centre.

If the vehicle speed is greater than 20 km/h (12 mph), the system will wait for the speed to decrease. If it does not fall below this speed within 1 minute, the height change will be cancelled.

Once the speed falls below 20 km/h (12 mph) the vehicle will be partly lowered. When the speed falls below 8 km/h (5 mph) within 1 minute, full access height will be reached.

Note: Access height may be selected up to 40 seconds after the ignition is switched off, provided the driver's door has not been opened.

When vehicle speed rises above 10 km/h (6 mph), the vehicle will return to the height access height was selected from.

CRAWL MODE (LOCKED ACCESS HEIGHT)

When the vehicle is at Normal height and travelling less than 35 km/h (22mph), or at Access height, press down on the raise/lower switch for longer than 3 seconds to lock the vehicle at access height. The system lock indicator (5) will illuminate and SUSPENSION LOCKED AT ACCESS HEIGHT will be displayed in the message centre.

The vehicle may then be driven slowly at access height, to assist with manoeuvring in confined areas (e.g. multi-storey car parks).

To cancel crawl mode, press up on the raise/lower switch for longer than 1 second. The system lock indicator will extinguish and if the vehicle is travelling faster than 10 km/h (6 mph) it will return to normal height.

Crawl mode will be cancelled automatically if the vehicle speed exceeds 40 km/h (24 mph).

REMOTE OPERATION



The Smart Key can be operated from inside or outside the vehicle. It is therefore important that it is kept out of the reach of children at all times.



When operating the Smart Key from inside the vehicle, make sure that an adult checks for obstructions under the vehicle and supervises the raising or lowering process.

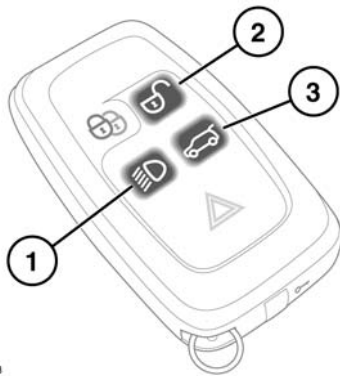


Care should be taken with all height changes, when a trailer is attached to the vehicle.

The buttons on the Smart Key may be used to operate the air suspension system, allowing the vehicle to be raised or lowered remotely. This may be useful in attaching a trailer or loading the vehicle.

To change the suspension height using the Smart Key, the vehicle must be stationary, all the doors closed and the hazard warning lamps switched on.

Air suspension







SL1478

To raise the vehicle press and hold button (1), then press and hold button (2).

To lower the vehicle press and hold button (1), then press and hold button (3)

If the starting height is above or below normal height, movement will cease when normal height is reached. Release the Smart Key buttons and press again to continue.

PRINCIPLE OF OPERATION

-  **Do not rest your foot on the brake pedal whilst the vehicle is in motion.**
-  **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.**
-  **If the red brake warning lamp illuminates, safely bring the vehicle to a stop, as quickly as possible and seek qualified assistance.**
-  **Never place non-approved floor matting or any other obstructions under the brake pedal. This restricts pedal travel and braking efficiency.**

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.

ABS WARNING LAMP



The ABS warning lamp illuminates briefly when the ignition is turned on.

If this amber warning lamp illuminates when driving (accompanied by an associated warning message), drive with extra caution, avoid heavy braking where possible, and seek qualified assistance as soon as possible.

STEEP SLOPES

If the vehicle is stationary on a steep, slippery slope, it may begin to slide even with the brakes applied. This is because without wheel rotation, the ABS cannot determine vehicle movement.

To counteract this, briefly release the brakes to allow some wheel rotation. Then re-apply the brakes to allow ABS to gain control.

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. If the driver applies the brakes slowly, but conditions mean that ABS operates on the front wheels, EBA will increase the braking force in order to apply ABS control to the rear wheels.

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



The amber brake warning lamp illuminates briefly when the ignition is turned on.

A fault with the EBA system is indicated by the amber brake warning lamp illuminating and an associated warning message. Gently and safely stop the vehicle and seek qualified assistance.

ELECTRONIC BRAKE 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.



The red brake warning lamp illuminates briefly when the ignition is turned on.

A fault with the EBD system is indicated by the red brake warning lamp illuminating and an associated warning message. Gently and safely stop the vehicle and seek qualified assistance.

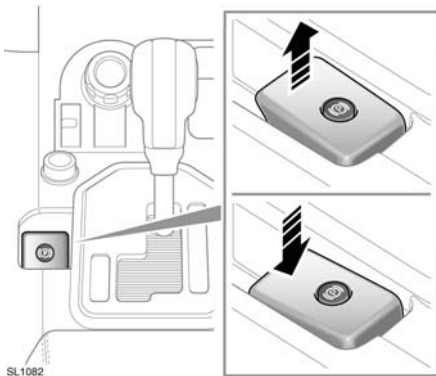
Brakes

ELECTRIC PARKING BRAKE (EPB)

- ⚠ The parking brake operates on the rear wheels. Therefore, secure parking of the vehicle is dependent on being on a hard and stable surface.
- ⚠ Do not rely on the parking brake to operate effectively, if the rear wheels have been immersed in mud or water.

Note: If the vehicle is used in severe off-road conditions (e.g. wading, deep mud, etc.), additional maintenance and adjustment of the parking brake will be required. Consult your Land Rover Dealer/Authorised Repairer.

APPLYING THE EPB MANUALLY



With the vehicle stationary, pull up the lever (arrowed) and release it.



The parking brake warning lamp will illuminate. It is important to confirm that the lamp is continuously illuminated (not flashing), as this indicates the brake has been correctly applied. If the lever is operated when the vehicle speed is less than 3 km/h (2 mph) the vehicle will be brought to an abrupt stop. The stop lamps will not be illuminated.

APPLYING THE EPB AUTOMATICALLY

EPB will be applied automatically if the ignition is switched off and the vehicle speed is below 3 km/h (2 mph). This will only occur on vehicles with automatic transmission if P (Park) is not selected.

To prevent automatic operation, when the vehicle is stationary, press and hold the EPB switch in the release position. Within 5 seconds, switch off the ignition and continue to hold the EPB switch for a further 2 seconds.

DYNAMIC OPERATION

- ⚠ 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 travelling more than 3 km/h (2 mph), pulling on the EPB lever and holding gives a gradual reduction in the speed. The brake warning lamp will illuminate accompanied by a warning tone and **CAUTION PARKBRAKE APPLIED** appearing in the message centre. The stop lamps will illuminate.

RELEASING THE EPB MANUALLY

With the ignition turned on, press the brake pedal and press down on the EPB lever. This will release the electronic parking brake.

RELEASING THE EPB AUTOMATICALLY

Manual transmission:

If the vehicle is stationary with the EPB applied, pressing the accelerator and releasing the clutch will release the EPB and allow the vehicle to move off.

Automatic release will operate in first, second and reverse in high range and first, second, third and reverse in low range.

To delay automatic release, hold the EPB lever in the applied position, and release at the desired point.

The parking brake system gradually reduces the system load to assist a smooth drive away. If the reduction in system load causes the vehicle to move after a valid gear is selected, full load will be automatically re-applied to the parking brake.

To override the load reducing feature of the EPB, manually apply the parking brake after selecting a gear.

In the event of a failure, the message **PARKBRAKE FAULT AUTO RELEASE UNAVAILABLE** will be displayed in the message centre.

Automatic transmission:

If the vehicle is stationary with the EPB applied and the transmission in **D** or **R**, pressing the accelerator will release the EPB and allow the vehicle to move off.

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

To delay automatic release, hold the EPB lever in the applied position, and release at the desired point.

The parking brake system gradually reduces the system load to assist a smooth drive away. If the reduction in system load causes the vehicle to move after a valid gear is selected, full load will be automatically re-applied to the parking brake.

To override the load reducing feature of the EPB, manually apply the parking brake after selecting a gear.

In the event of a failure, the message **PARKBRAKE AUTO RELEASE UNAVAILABLE** will be displayed in the message centre.

At the start of a journey, EPB release times may be extended when changing from **P** or **N**. This is to allow for increased gear engagement times.

EPB WARNING LAMPS




If the system detects a fault with the EPB, the amber brake warning lamp will illuminate accompanied by a message on the message centre.

If the system detects a fault while EPB is operating, the red parking brake warning lamp will flash and the message **PARKBRAKE FAULT** will appear in the message centre.

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

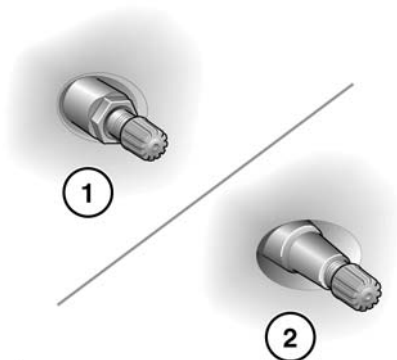
Tyre pressure monitoring system

TYRE PRESSURE MONITORING (TPM) SYSTEM

-  The TPM system provides a low pressure warning and does not re-inflate your tyres. Tyre pressures should be checked regularly using an accurate pressure gauge when cold.
-  The TPM system can NOT register damage to a tyre. Regularly check the condition of your tyres, especially if the vehicle is driven off-road
-  When inflating tyres, care should be taken to avoid bending or damaging the TPM system valves. Always ensure correct alignment of the inflation head to the valve stem.

Note: Different types of tyre may affect the performance of the TPM system. Always replace tyres in accordance with recommendations.

The tyre pressure monitoring system constantly monitors the tyre pressure in each wheel, including the full size spare. Temporary use spare tyres (when fitted) are not monitored.



SL1302

Wheels fitted with a TPM system can be identified by the appearance of the external metal lock nut and valve (1). All Land Rover non-TPM system wheels have a rubber valve fitted (2).

Tyre pressures should be checked regularly when cold, and adjusted as necessary. The presence of the TPM system does not remove the need to do this to ensure vehicle safety.



The tyre pressure warning lamp illuminates when one or more of your tyres is significantly under-inflated. You should stop and check your tyres as soon as possible, and inflate them to the recommended pressure for the vehicle loading condition.

The TPM system also monitors the full size spare tyre pressure. If the pressure for the spare tyre is incorrect, the message **CHECK SPARE TYRE PRESSURE** is displayed, accompanied by illumination of the warning lamp.

VEHICLE LOADING

It is possible to select different tyre pressure monitoring levels that correspond to the pressures on the tyre pressure label for a lightly laden or heavily laden vehicle.

The different tyre pressure monitoring levels can be set via the Vehicle setup menu (see 58, **VEHICLE INFORMATION AND SETTINGS MENU**).

Tyre pressure monitoring system

TPM SYSTEM FULL SIZE SPARE AND TYRE CHANGE

The system will automatically recognise any changes in wheel positions. The vehicle must be stationary for 15 minutes during the wheel and tyre change (see **227, LOWERING THE SPARE WHEEL**), to ensure that the system can detect the change. After driving above 25 km/h (18 mph), any deflation warning should clear within a few minutes.

If the temporary spare wheel is fitted, the system will automatically recognise the change in wheel positions. After approximately 10 minutes of driving above 25 km/h (18 mph), the message **FRONT (REAR) RIGHT(LEFT) TYRE PRESSURE NOT MONITORED** will be displayed, accompanied by illumination of the warning lamp.

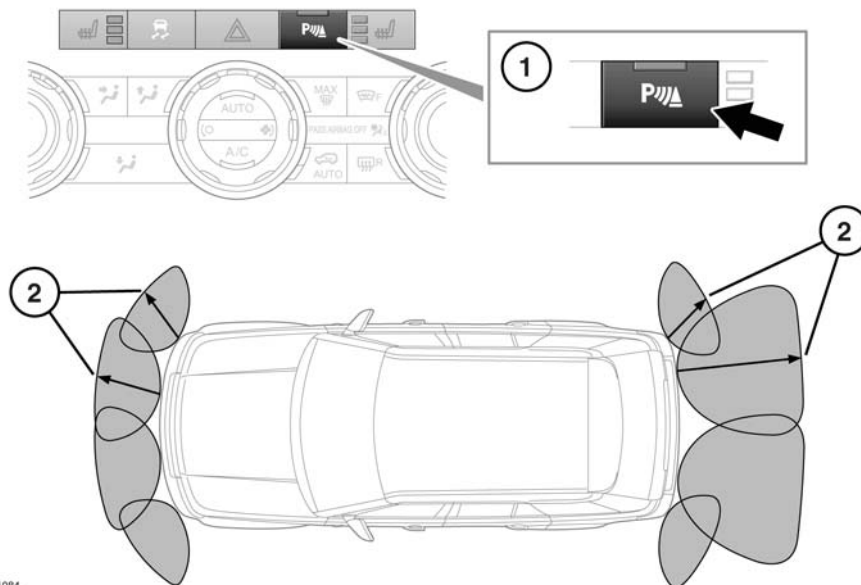
The warning lamp will first flash and then illuminate continuously. Extended use of the temporary spare wheel will trigger the message **TYRE PRESSURE MONITORING SYSTEM FAULT**.

This TPM system display sequence will be activated at every ignition cycle, until the temporary spare wheel is replaced by a full-size road wheel.

Note: *If in use, always replace the temporary spare wheel before having a TPM system fault investigated.*

Parking aid

USING THE PARKING AID



SL1084

! Parking aids may not detect moving objects such as children and animals, until they are dangerously close. Always use extreme caution when manoeuvring.

! PDC sensors may not detect some obstructions (e.g. narrow posts, small objects close to the ground and some objects with dark non-reflective surfaces).

1. When reverse gear 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 PDC button, a short confirmation tone will be heard, and the switch indicator will illuminate.

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

2. The range of the parking aid sensors varies between the front, rear and corners of the vehicle. The front sensors and rear corner sensors have an approximate range of 600 mm (24 inches). The centre rear sensors have an approximate range of 1500 mm (60 inches).

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

In vehicles fitted with automatic transmission, selecting **N** from **R** will keep front and rear sensors active.

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 300 mm (12 inches).

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

TOWING

The rear sensors are automatically disabled when a trailer is connected.

SENSOR CARE

- ⚠ 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.

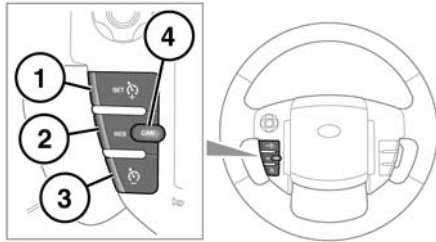
The sensors should be kept clean to maintain accuracy and performance.

SYSTEM FAULT

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

Cruise control

USING CRUISE CONTROL



1. Set target speed, or increase speed.
2. Resume set speed.
3. Decrease set speed.
4. Cancels cruise control operation without erasing memorised speed.

Note: Cruise control is not available when using Hill Descent Control or when a Terrain Response special program has been selected.

Note: Do not use cruise control when driving off-road.

Note: Do not use cruise control with **SPORT** mode selected.

ENGAGING CRUISE CONTROL



When setting the cruise control to the speed limit, it is important to remember that it is possible for the vehicle speed to increase when travelling downhill. This may result in the vehicle speed exceeding the speed limit.

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

Accelerate until the desired speed is reached, then press the + switch (1) until the warning lamp illuminates. This sets the vehicle speed into the system's memory. Cruise control will now maintain that speed.



The cruise control warning lamp will illuminate to confirm cruise control is operational. Speed can be increased using the accelerator pedal as normal. As soon as the accelerator pedal is released, the vehicle speed will return to the set cruising speed.

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

SUSPENDING CRUISE CONTROL

Cruise control can be suspended by a single press of the cancel switch (4).

Cruise control will also be suspended if the brake pedal is pressed, the gear selector is moved to **N**, or if HDC or DSC are activated.

To resume cruise control at the previous set speed, press the resume switch (2).

Note: The set speed will not be erased by pressing the cancel switch. The set speed can only be erased by switching off the ignition.

DECREASING THE CRUISE SPEED

To reduce cruising speed, press and hold the - switch (3). Release the switch when the desired speed is reached, the new speed will be set and maintained.


The set speed can be decreased in steps of 2 km/h (1 mph), by briefly pressing the - switch (3).

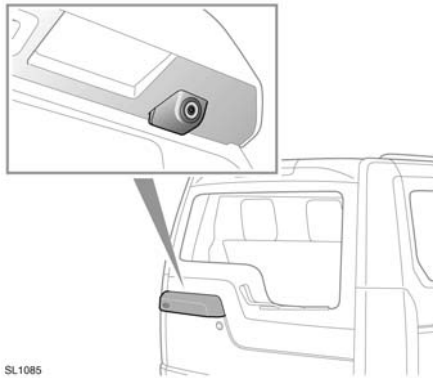
INCREASING THE CRUISE SPEED

Use the accelerator or press and hold the + switch (1) to increase speed. Release the switch when the desired speed is reached, the new speed will be set and maintained.

Speed can be increased in steps of 2 km/h (1 mph), by briefly pressing the + switch (1). When the desired speed is reached press the + switch to set and maintain the new speed.

REAR VIEW CAMERA SYSTEM

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



When reverse gear is selected, the screen automatically displays a wide angle, colour 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.

Note: A return icon is displayed in the bottom right hand corner of the touch screen. Touch this to revert to the previously viewed screen.

Rear view camera display on the touch screen will discontinue when either of the following apply:

- Drive is selected for longer than 15 seconds.
- Drive is selected and/or vehicle speed is greater than 11 mph (18 km/h).

SURROUND CAMERA SYSTEM

The camera home page is accessed by touching **Camera** on the Home menu screen.

With the engine running and Park or Neutral selected, the surround camera system uses 5 discretely placed cameras to assist in manoeuvring the vehicle.

SELECTING VIEWS

Displayed on the Camera home page is a real-time image from each of the cameras. Any 2 images can be selected and enlarged to view side-by-side on the screen. To do this, touch the image then touch the **Enlarge** soft key.

When viewing two images, one of them can be selected to view as a full screen image. It can then be zoomed into and panned around using the magnifier and arrow icons.

AUTOMATIC PROXIMITY VIEW - JAPAN ONLY

When Drive or Reverse is selected, the forward or rear view will be displayed. Once the vehicle speed exceeds 18 km/h (11 mph) or the return icon is pressed, the camera screen will disappear.

Note: Proximity view can be accessed at any time, by touching **Proximity View** on the Camera home page.

PROXIMITY VIEW - MANUAL OPERATION

Selecting **Proximity View** will display a combination of three images from the front and passenger side cameras.

Camera systems

SPECIAL VIEWS

A selection of pre-set views can be displayed by selecting **Special Views**. They are provided to assist with difficult manoeuvres and are:

- **Kerb view:** Shows views from the 2 front cameras.
- **Junction view:** Shows views from the two side cameras.
- **Trailer view:** Shows the rear camera view.

REVERSING

When Reverse is selected, the touch screen automatically displays the view to the rear of the vehicle.

Overlaid on the rear view image are coloured dashed lines representing the perimeter of the vehicle, solid lines predicting the path of the vehicle (based on the position of the steering wheel) and the distance information from the Parking aid system.

Note: Touch the return icon in the bottom right hand corner of the reversing view, to go back to the previously viewed screen.

CAMERA SETTINGS - JAPAN ONLY

Touch the **Camera Settings** soft key to access the camera options page. To deactivate the Semi-auto camera functionality select **Off**. The Proximity view is now only accessible by using the **Proximity View** soft key.

CAMERA CLEANLINESS

If the colour of the camera position arrow in the display changes from blue to red, the system has detected that the camera is dirty. Clean the camera in accordance with the guidelines given on **196, CLEANING THE EXTERIOR**.

TRAILER GUIDANCE

Note: Trailer guidance requires a connected trailer to be fitted with a tracking target sticker, which **must** be attached according to specific instructions. Ask your Dealer for details.



SL1315

Note: This feature may not operate with all trailer designs.

Trailer guidance aids trailer reversing, by displaying information on the touch screen.

Trailer guidance becomes active when a trailer is attached to the vehicle and the trailer electrical plug is attached to the vehicle socket. The screen will display a choice for connection. Select **YES** to move to the setup screen. Select **NO** to return to the previous screen.

Note: If the connection is not detected, setup can be manually prompted by touching the Trailer guidance icon on the Camera menu.

TRAILER SETUP

On first use, the setup screens take the user through a series of configuration options for the connected trailer. Information such as trailer length, number of axles and camera preference is required to finalise setup. Once complete, the details are stored for future use.

OPERATION

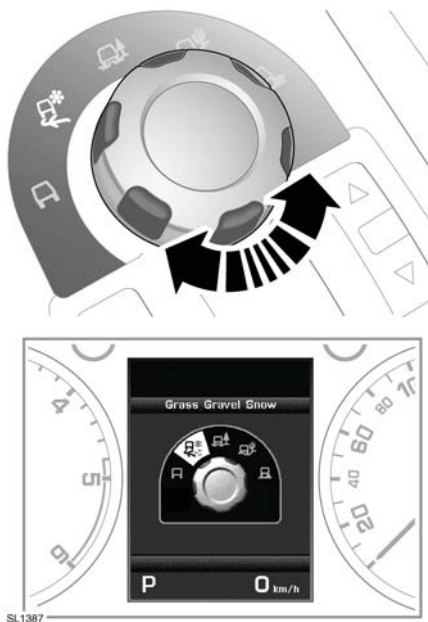
When a new or existing trailer configuration is selected, Trailer guidance will automatically display on the touch screen when reverse gear is selected. Coloured lines are displayed to indicate the predicted path of both trailer and vehicle.

Terrain response

BEFORE DRIVING OFF-ROAD

Before venturing off-road, it is absolutely essential that inexperienced drivers become fully familiar with the vehicle's controls. In particular, CommandShift™, Hill Descent Control (HDC) and the Terrain response system.

TERRAIN RESPONSE OPERATION



A rotary control just in front of the gear lever is used to select the required special program.

Information relating to the suitability of each terrain response program on different types of surface, is given on the touch screen, via the **4 x 4 Info** soft key. Touch the terrain response icon, then the information icon. The displayed text is relevant to the currently selected terrain response program.

GENERAL PROGRAM (SPECIAL PROGRAMS OFF)



This program is compatible with all on and off-road conditions. If not already active, it should be selected before driving on surfaces which are similar to a hard road surface. Dry cobbles, tarmac, dry wooden planks, etc., all fall into this category.

This program should be selected once the need for a special program has passed. Once the special program has been deselected, all of the vehicle systems will return to their normal settings except HDC. HDC will remain active if it was selected manually.

GRASS-GRAVEL-SNOW



This program should be used where a firm surface is covered with loose or slippery material.

Note: For deep gravel it is recommended that the Sand program is selected.

Note: If the vehicle is unable to gain traction in deep snow, switching DSC off may help. DSC should be switched on again, as soon as the difficulty is overcome.

MUD-RUTS



This program should be used for crossing terrain that is muddy, rutted, soft or uneven.

Low range is recommended for this program and if not selected, the message centre will prompt you.

If the Mud-Ruts program and Low range are selected together, the vehicle ride height will be raised automatically.

Terrain response

SAND



This program should be used for terrain which is predominantly soft dry sand or deep gravel.

Note: If the vehicle is unable to gain traction in extremely soft, dry sand, switching DSC off may help. DSC should be switched on again as soon as the difficulty is overcome.

If the sand to be crossed is damp/wet, and sufficiently deep to cause the wheels to sink into the surface, the Mud-Ruts program should be used.

ROCK CRAWL



This program should be used for terrain which is predominantly rocky, including for crossing river beds with submerged rocks.

This program provides good low-speed control.

Rock crawl can only be selected in Low range. If the selection is made while in High range, the message centre will prompt you to select Low range.

DRIVER OVERRIDE OPTIONS

Hill Descent Control (HDC) is automatically engaged for some terrain response programs. If required, HDC can be deselected or engaged independently of terrain response.

The HDC status will be displayed on the message centre whether it is engaged, or disengaged, by the system or by the driver.

Although Dynamic Stability Control is automatically engaged when a special program is selected, it can be turned off if required

SYSTEM DIFFICULTIES



Use of an incorrect program will impair the vehicle's response to the terrain and can reduce the life of the suspension and drive systems.

If the system becomes partially inoperable for any reason, it may not be possible to select special programs.

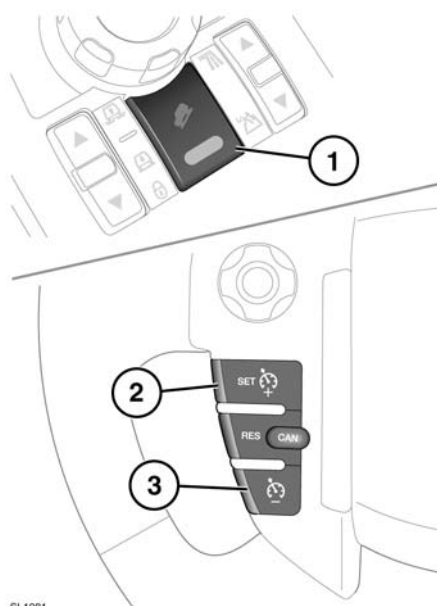
If a participating vehicle system becomes temporarily inoperable, the General program will be automatically selected. Once the system returns to normal operation, the previously active program will be re-activated unless the ignition has been turned off in the mean time.

If you try to select an inappropriate special program (e.g. selecting Rock crawl while in High range), the relevant indicator will flash amber and the message centre will provide further information. If the appropriate action is not taken within 60 seconds, the warnings will cease and the message centre will show the active program.

If the system becomes completely inoperable, all of the special program indicators will be switched off and a relevant message will be displayed in the message centre.

Hill descent control (HDC)

SELECTING HDC



1. Press to switch HDC on and off.
2. Press to increase the set speed.
3. Press to decrease the set speed.

HDC can be selected at speeds below 80 km/h (50 mph).

Manual transmission: HDC can be used in first or reverse gears when in Hi range and in all gears when in Lo range.

Automatic transmission: HDC can be used in **D**, **R** or CommandShift **1** when in Hi range and in **D**, **R** and all CommandShift gears when in Lo range. When in **D**, the vehicle will select the most appropriate gear.

Note: HDC is automatically selected by some of the Terrain response special programs.

To select HDC, press and release the HDC on/off switch (1).



If the HDC lamp flashes, HDC has been selected but is not operating. This is caused by the system's operating conditions not being met (e.g. vehicle speed too high).

If HDC is deselected while operating, the lamp will flash and the system will fade out, allowing the vehicle speed to gradually increase.

If the vehicle speed exceeds 80 km/h (50 mph) HDC will disengage, and the HDC lamp will extinguish.

Note: HDC is automatically deselected if the ignition is switched off for more than 6 hours.

HDC OPERATION

With HDC engaged, the speed of descent can be altered using the cruise control steering wheel switches, as follows:

- To increase speed press and hold the + switch (2) until the desired speed is achieved.
- To decrease speed press and hold the - switch (3) until the desired speed is achieved.

When the switch is released, the selected speed will be maintained.

To increase or decrease speed gradually, tap the + or - switch as required. Each tap of the switch will increase/decrease the speed in increments/decrements of 0.5 km/h (0.3 mph).

The accelerator pedal can also be used to increase speed, up to the threshold in each gear.

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

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

SL1061

Hill descent control (HDC)

When using HDC in manual transmission vehicles, depressing the clutch pedal will prevent HDC from controlling the speed of descent.

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

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

GRADIENT RELEASE CONTROL (GRC)

With HDC activated, if the vehicle is stopped on a slope using the foot brake, GRC will become active (except in Terrain response Sand program). During a hill ascent when the foot brake is released GRC will automatically delay and graduate the brake release, to allow the vehicle to move smoothly away. When descending a hill, a similar brake hold and gradual release is employed to provide a smooth transition into HDC control.

GRC operates in forward and reverse gears and requires no driver intervention.

ASCENDING STEEP SLOPES

When ascending steep slopes with HDC selected, the vehicle will allow full control to the driver in the normal manner. If HDC is switched off, the maximum vehicle speed will be limited to allow more accurate control of the ascent.

WARNING MESSAGES



Do not attempt a steep descent if HDC is inoperative or warning messages are displayed.

BRAKE TEMPERATURE

In extreme circumstances, the HDC system may cause brake temperatures to exceed their pre-set limits. If this occurs the warning **HDC TEMPORARILY UNAVAILABLE** will be displayed in the message centre. HDC will then fade out and become temporarily inactive.

Once the brakes have reached an acceptable temperature, the message will disappear (or the warning lamp will extinguish) and HDC will, if required, resume operation.

SYSTEM FAULT

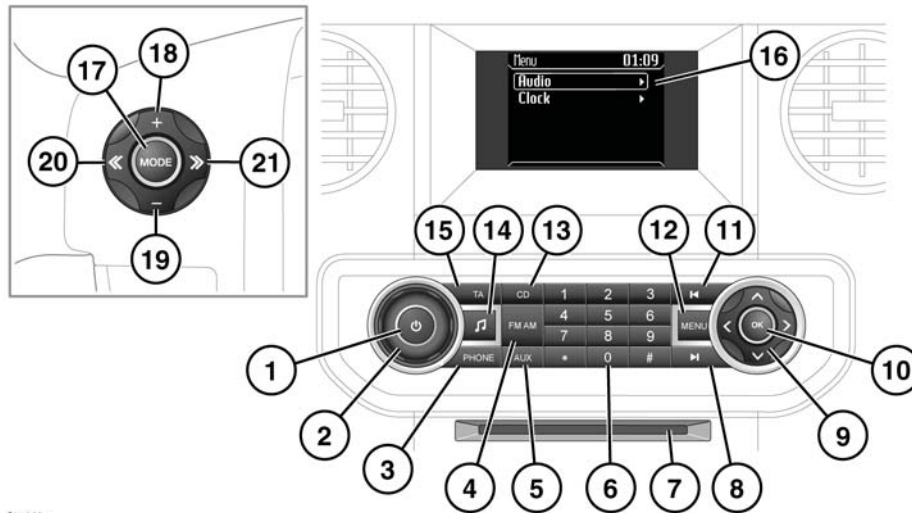
If a fault is detected in the HDC system, **HDC FAULT SYSTEM NOT AVAILABLE** will appear in the message centre.

If the fault is detected whilst the system is operating, HDC assistance will fade out.

If a fault is detected, contact your Land Rover Dealer/Authorised Repairer as soon as possible.

Premium audio system

OVERVIEW



SL106B

⚠ Sustained exposure to high sound levels can damage your hearing.

Note: The maximum volume level will be restricted if the audio unit is used with the engine switched off.

1. Audio on/off:
Press to switch on and off.
2. Volume control:
Rotate to adjust volume.
3. Phone menu.
4. AM/FM waveband select.
5. AUX input select.
6. Keypad.
7. CD loading slot.
8. Skip forwards.
9. Menu navigation control.
10. OK.
11. Skip backwards.
12. Audio MENU button:
 - FM settings.
 - Clock.
 - CD settings.
 - Random.
 - AUX settings.
13. CD select button.
14. Tone.
15. Traffic announcements.
16. Audio Information display.
17. Steering mode select button.
18. Steering wheel volume up.
19. Steering wheel volume down.
20. Steering wheel skip/search back.
21. Steering wheel skip/search forward.

Premium audio system

ADAPTIVE VOLUME CONTROL (AVC)

The AVC feature adjusts the volume level, to compensate for the changes in road noise as the vehicle speed increases or decreases.

Note: *The AVC setting represents the volume increase and not the volume level.*

If the AVC level is set to **Off**, there will be no volume increase. With a low level setting, the volume increase at speed will be minimal. If a high level setting is used, there will be a noticeable increase of volume at speed.

The AVC setting required, will depend upon the expected speed and the expected road conditions.

To set the AVC level:

1. Press the **HOME MENU** button, then select **AUDIO** on the touch screen to access the volume settings menu. Select **Adaptive Vol.**
2. Use the left and right arrow buttons to adjust the AVC setting.
3. Press **OK** to confirm the selection.

STONE ADJUSTMENT

Press the Tone button (14) to display the Tone menu. The settings for bass, treble, balance and fade can be adjusted using the navigation buttons. Press OK to store the settings and return to the previous screen.

Note: *If no adjustment is made within 10 seconds, the display will revert to the previously displayed screen.*

RADIO OPERATION

Press the on/off control to turn the radio unit on. This will also operate for up to 1 hour with the ignition switched off.

Note: *The radio will switch off automatically after 1 hour if the ignition is turned off.*

BAND SELECTION

Press the FM/AM button to select the required wavebands (FM, FMAST, AM, AMAST).

You can also press the button to return to radio mode, after listening to another audio source.

AUTO STORING STATIONS

AutoStore can be used to store the stations with the strongest signals available, either from the AM or the FM waveband.

Press the **MENU** button, select **Radio**, select **Preset** and select the **AutoStore** option. The audio unit then searches for stations with the strongest signals. When the search is in progress, the volume is muted. When the search is complete, volume is restored and the strongest signals are stored on the AutoStore presets.

Note: *AutoStore will store up to a maximum of the 10 strongest signals available and overwrite the previously stored stations.*

Note: *The AutoStore waveband can also be used to store stations manually, in the same way as other wavebands.*

SEEKING STATIONS

Select a waveband and briefly press one of the seek buttons. The unit will stop at the first station it finds in the direction chosen.

STATION PRESETS

This feature allows favourite stations to be stored so that they can be recalled, by selecting the appropriate waveband and pressing one of the preset buttons.

Select a waveband and tune to the station required. Press and hold one of the numbered preset buttons. A progress bar and message will appear. When the progress bar completes, the station has been stored. The volume will mute momentarily as confirmation.

This can be repeated on each waveband and for each preset button.

When in radio mode, stored stations can also be selected by pressing the menu navigation control (9). Scroll to the desired preset station and press **OK**.

***Note:** When driving to another area of the country, FM stations that broadcast on alternative frequencies and are stored on preset buttons, may be updated with the correct frequency for that area.*

RADIO DATA SYSTEM (RDS)

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

On the FM waveband, RDS enables the audio to receive traffic and news information broadcasts. RDS also allows the audio to automatically re-tune to stations that are linked to the same network, if that network allows this.

***Note:** Not all FM radio stations broadcast RDS. If a non-RDS station is selected, RDS features will not be available.*

REGIONALISATION (REG)

As you drive into different radio reception areas, RDS automatically re-tunes the radio to the strongest signal. When REG is on, the tuner is locked to the current local radio station. With REG switched off, the tuner is allowed to switch to a stronger Enhanced Other Network (EON) when the current EON linked radio station signal becomes weak.

To enable/disable regionalisation, press the **MENU** button and select **Audio**, scroll to **RDS REGIONAL** and turn on or off with the **OK** button. Press the **MENU** button to return.

ALTERNATIVE FREQUENCY (AF)

Some radio stations broadcast on different frequencies in different parts of the country. If the selected station signal weakens, the radio will automatically re-tune to a stronger Alternative Frequency (AF), if one is available. This feature is particularly useful on long journeys, where the vehicle travels through different transmitter areas serving the same radio station.

To enable/disable AF, press the **MENU** button, select **Audio**, scroll to **ALTERNAT. FREQ.** and turn AF on or off with the **OK** button. Press the **MENU** button to return.

SELECTING TRAFFIC INFORMATION

Normal reception can be interrupted to broadcast traffic information from stations on the FM waveband or Radio Data System (RDS) and Enhanced Other Network (EON) linked stations.

Briefly press the **TA** button on the audio unit, the indicator appears on the right of the display.

When a radio station capable of providing traffic information is selected, the **TP** indicator appears alongside.

Premium audio system

As soon as a traffic announcement is received, normal radio reception (or CD play) is interrupted and the message **Traffic announcement** appears briefly in the main display area, followed by the name of the station providing the information.

If a non-traffic station is selected or recalled using a preset button, the audio unit will remain on that station unless **TA** is turned off, then on again.

TRAFFIC ANNOUNCEMENT VOLUME

Traffic announcements interrupt normal broadcasts at a preset minimum level that is usually louder than normal listening volumes. To adjust the preset volume, use the volume control to make the necessary adjustment during an incoming TA broadcast. The display will show the level selected.

CANCELLING AN ANNOUNCEMENT

To cancel an announcement, briefly press the **TA** button during the announcement. This will not turn off TA.

Note: If **TA** is pressed at any other time, all announcements will be switched off.

To cancel the announcement and turn off TP, press the search down arrow on the steering wheel control or the Info button.

SWITCHING OFF TRAFFIC INFORMATION

Briefly press the **TA** button (the **TA** indicator will disappear from the right hand side of the display). This action will prevent traffic information broadcasts from being received, until the feature is reselected.

SELECTING NEWS INFORMATION

Normal reception can be interrupted to broadcast news bulletins from stations on the FM waveband or Radio Data System (RDS) and Enhanced Other Network (EON) linked stations, in the same way that traffic information is provided.

Press the **MENU** button and select **Audio**, scroll to **NEWS** and turn on or off with the **OK** button. Press the **MENU** button to return.

Note: Both traffic and news information can be selected at the same time. However, the radio will always give priority to traffic information.

TIME AND DATE SETTINGS

To set/change the time and date, press the **MENU** button and select **Clock**.

Select **Set time** or **Set date** accordingly. Once the correct time or date has been entered, press **OK**.

CD PLAYER



Do not use discs with paper labels, dual discs or DVDPlus discs. The front loading CD player may load and play this type of disc, however it is likely that the disc will not eject and will block the CD mechanism. Such damage to a CD player will not be covered under warranty.



Do not force the disc into the slot.

Note: Copy-protected CDs may fail to play in your CD changer or may be played subject to various limitations (e.g. sound quality may be impaired). If you experience a problem, try the CD in other players before contacting the CD vendor.

LOADING A COMPACT DISC

Gently place a CD into the loading slot, the disc will be drawn into the player and loaded.

Press the CD button on the fascia to select CD playback mode.

If a CD is already loaded, playback will resume from the point of last play.

TRACK SELECTION

When playing a CD, the display will show the current track being played, the total number of tracks on the CD and the time elapsed since the current track began to play.

You can move to the previous or next track by briefly pressing the backwards or forwards seek buttons.

Pressing and holding the seek buttons will fast forward or rewind the CD.

SHUFFLE

Selecting Shuffle alters the playback order for the current CD, so that tracks are played in a random sequence.

REPEAT

Selecting Repeat will play the current track repeatedly.

Repeat playback can be cancelled by deselecting the option under the **Track** menu.

Note: Repeat can be cancelled by pressing the track up or track down button.

MP3 FILE PLAYBACK

MP3 discs have the potential to hold more music than a conventional CD, because each track can be compressed to a higher degree during recording.

The normal playing sequence on CDs with multiple folders, is to play the tracks within the top level first, then the tracks in any sub-folders.

Note: The CD player may take a long time to load an MP3 disc if it contains a lot of tracks.

- Use the menu control to scroll up and down the list of tracks or to navigate the folder structure on the disc.
- Press the **OK** button to open a folder or select a highlighted track.

MP3 SHUFFLE

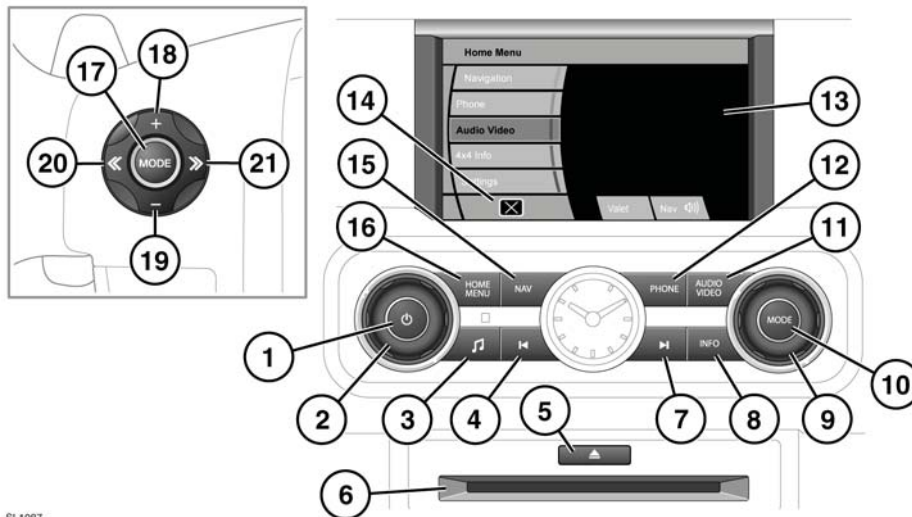
When an MP3 CD is playing, playback options include **Shuffle** for the whole CD, or to play all the tracks in the folder in a random order. Repeatedly selecting **Shuffle** will toggle between these options.

MP3 REPEAT

When an MP3 CD is playing, playback options include **Repeat** for the current track, or repeat all the tracks in the folder. Repeatedly selecting **Repeat** will toggle these between these options.

Touch screen audio system

AUDIO CONTROLS



SL1087

⚠ Sustained exposure to high sound levels can damage your hearing.

1. On/off.
2. Volume.
3. Press to display the Tone menu.
4. Search down: Press to select the next radio station frequency down or previous track on the chosen audio source.
5. CD eject.
6. CD slot.
7. Search up: Press to select the next radio station frequency up or next track on the chosen audio source.
8. Traffic/News information. Briefly press to turn on TA (Traffic Announcement). The **TA** indicator will appear on the right of the information display. When a selected radio station is capable of providing traffic information, **TP** will also be displayed.
9. Menu navigation control: Rotate to scroll through menu items.
10. Mode. Press to change the audio mode.
11. Press to display the Audio/Video menu.
12. Press to display the Phone menu.
13. Touch screen.
14. Select to turn off the screen. This will not affect audio output. Select again to turn the screen on.
15. Press to display the Navigation menu.
16. Press to display the Home menu.
17. Steering wheel Mode control. Press to repeatedly to select the required media.
18. Volume increase.

Touch screen audio system

19. Volume decrease.

20. Search down/decrease.

21. Search up/increase.

Note: Physical buttons are referred to as hard keys. The touch screen virtual buttons are referred to as soft keys.

SWITCHING THE TOUCH SCREEN ON

To switch on the system, press the Audio on/off hard key (1).

The first time the touch screen system is switched on, the home menu will be displayed. Switching the system on subsequently, will display the screen or menu that was in use when the system was switched off.

TOUCH SCREEN USE

- ⓘ Always run the engine during prolonged use of the touch screen.
- ⓘ Do not use excessive pressure when selecting items on the touch screen.

The touch screen is operated by a combination of buttons on the fascia and steering wheel (referred to as hard keys), and virtual buttons on the touch screen (referred to as soft keys). The soft keys only require light pressure to function.

TURNING OFF THE TOUCH SCREEN

The touch screen display can be turned off without turning off the system by touching the display off soft key on the screen.

Touch the screen to turn the display back on.

PERSONALISING THE SYSTEM SETTINGS

Your vehicle is delivered with the system language etc., configured for the market in which the vehicle is intended.

Select **Settings** on the touch screen to change the settings to suit your preference.

From the Settings menu, touch the soft key corresponding to the category you would like to change.

VOICE SETTINGS

From the main Settings menu, select Voice settings soft key.

From the Voice settings menu, touch the soft key for the setting you wish to change.

VOLUME SETTINGS

Automatic volume control (AVC) adjusts volume level as speed increases. This compensates for increased noise level at higher speeds. The amount of volume increase can be set to suit personal requirements.

To adjust the setting:

1. Press and hold the **Tone** button to display the volume setup menu.
2. Select **AVC**.
3. Use the + and - soft keys to change settings.

Volume of announcements such as traffic and news items on RDS, can be set to suit personal requirements.

1. Press and hold the **Tone** button to display the volume setup menu.
2. Select **INFO**.
3. Use the + and - soft keys to change settings.

Touch screen audio system

Volume setting changes for Navigation, Telephone and Voice control, can be made in a similar manner after selecting the appropriate soft key.

To reset volume levels to factory default, touch the **Reset All** soft key.

TONE SETTINGS

Bass, treble, sub woofer, balance, fade and audio effects, can be adjusted to suit personal requirements.

To adjust settings:

1. Briefly press the **Tone** button to display the **Tone** menu.
2. Select the **Tone** soft key.
3. Use the **+** and **-** soft keys to change settings.

To adjust balance and fade:

1. Briefly press the **Tone** button to display the **Tone** menu.
2. Select the **Balance/Fader** soft key.
3. Use the arrow soft keys to move the highlighted icons. These represent the bias direction for audio output.

Source Memory and **Logic 7** influence the delivery of audio effects. Select the **Memory Source** button for more information. Logic 7 can be turned on or off by touching the soft key.

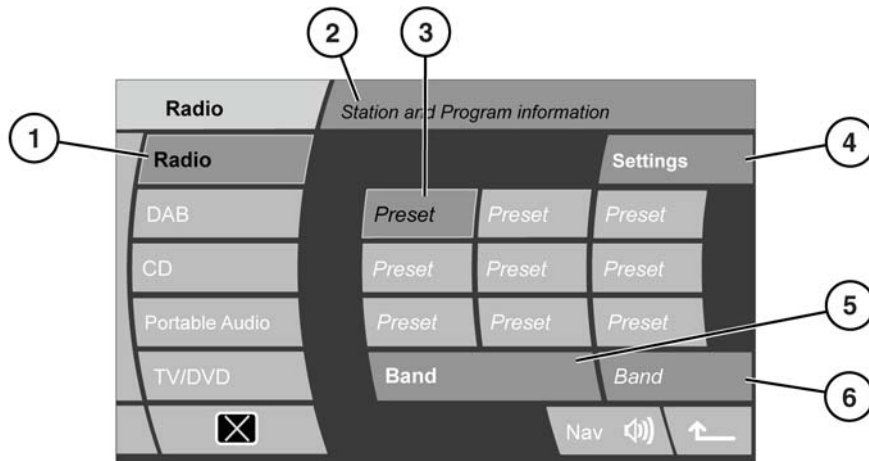
All tone settings can be restored to factory default, by touching the **Reset All** soft key.

RADIO OPERATION

To access the radio, either touch the **Audio Video** soft key, or press the MODE button and turn the rotary control until **Radio** is highlighted.

Touch screen audio system

TOUCH SCREEN CONTROLS



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1. Radio mode select.
2. Information area.
3. Station presets: Each waveband has 9 preset positions.
 - Touch and hold to store the current station on that preset (the radio will mute while the station is stored).
 - Touch and release to tune to the station stored on that preset.
 - Use the search controls on the steering wheel to change to the next or previous preset station. Alternatively, use the fascia search controls.
4. Radio settings: Select to alter the Sound, Options, RDS or PTY (programme type) settings.
5. Waveband selection: Touch to cycle through FM1, FM2 and AM (MW and LW). The radio will tune to the last used station on that waveband.
6. Selected waveband display, **FMA**, **AMA** and **LWA**. Touch to select for Autostore.
 - If no stations are currently stored on the presets, select this soft key to store up to 9 of the strongest stations on the current waveband (the radio will mute during this process).
 - If preset and autostore preset stations are already stored, a long touch will start a new autostore process.

STATION SEARCH

When another mode screen is in use and a station search button is pressed, station information will be displayed briefly on a pop-up.

Touch screen audio system

MANUAL TUNING

To manually input a frequency, touch the FM Settings soft key.

Touch the **Tuning** soft key and a pop-up will be displayed. Enter the first digits of the frequency.

Note: *Only some of the digits will be enabled. These are the only digits available to start the frequency. When the first digits have been input, further available digits will be displayed.*

When the desired frequency has been entered, select **OK** to confirm.

RADIO DATA SYSTEM (RDS)

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

Note: *Not all FM radio stations broadcast RDS.*

With **FM** selected, touch **Settings** then **RDS Settings**, to view or alter RDS settings.

- **RDS:** Select on or off
- **Regionalisation:** Select **On** to enable radio retuning to an alternative local station that has a stronger signal.
- **Alternative Frequency:** Select **On** to allow the radio to automatically re-tune to a stronger alternative frequency for the current station. This is useful on long journeys, where the vehicle travels through different transmitter areas.

PRIORITY PROGRAMME TYPE (PTY)

PTY is active in FM radio, CD, TV and Portable audio modes only and has 2 functions:

1. To set a desired PTY category for the current station.
2. To search for and tune to a station in the selected PTY category.

To view the list of available PTY categories, select **Settings** and then **PTY**.

Note: *The PTY menu is not available when the vehicle is in motion.*

Setting a PTY category for the current station:

- Scroll down the list until the desired category is displayed, then touch the category to select.
- Touch the Back (previous screen) arrow in the bottom right-hand corner of the touch screen.

Note: *There will be a short wait for RDS to indicate that the station has changed its programme type.*

If reception for the current station is subsequently lost, the radio will attempt to tune to an alternative station with the same PTY category.

Touch screen audio system

LOADING COMPACT DISCS

- ⓘ Do not force the disc into the slot.
- ⓘ Do not use irregular shaped CDs or CDs with a scratch protection film or self-adhesive labels attached.
- ⓘ 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.
- ⓘ Recordable (CD-R) discs and re-writable (CD-RW) discs, may not function correctly.
- ⓘ 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.

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

The unit will play the following formats:

- Compact Disc Digital Audio (CDDA) discs.
- MP3 files.
- WMA files.
- WAV files.
- AAC files.

Note: Copy-protected CDs may fail to play in your CD changer or may be played subject to various limitations (e.g. sound quality may be impaired). If you experience a problem, try the CD in other players before contacting the CD vendor.

MP3 FILE PLAYBACK

If an MP3 CD is to be used, each session must be properly closed, but the whole disc does not have to be finalised.

When Track list is selected, the list of folders and MP3 files is displayed in alphabetical order. Select a folder to view, and select the tracks contained within.

- Only CDDA discs can be loaded into the CD player.
- The highest compression rate supported, is 320k bits per second (kbps). If anything less than 128 kbps is used, Digital Signal Processing (DSP) functionality may be lost.
- The CD player may take a longer time to load an MP3 disc, if there are more tracks than on a normal CD. To minimise loading time, a rigid folder structure is recommended.
- If a CD contains a mixture of MP3 and CDDA tracks, any MP3 tracks will be ignored.

PLAYING A COMPACT DISC

An in-dash single CD player is integrated into the audio unit. To load a CD, place in the slot in the front of the unit under the touch screen.

If a CD is loaded, playback will resume from the point of last play. If no CD is present, **No disc** will appear in the display.

To access the CD player touch the screen menu:

1. From the touch screen Home menu, select **Audio/Video** or press the hard key on the fascia.
2. Select **CD**.

Alternatively, press the **MODE** button and then select **CD**.

Touch screen audio system

To eject a CD, press the eject button and remove from the audio unit. If the CD is not removed after a short period, it will be drawn back into the audio unit.

To pause CD play, touch the **II** soft key. Touch again to resume play.

TRACK SELECTION

When playing a CD, the display will show the current track being played, the total number of tracks on the CD, and the time elapsed since the current track began to play.

You can move to the previous or next track, by briefly pressing the search buttons.

Pressing and holding the search buttons will fast forward or rewind the CD.

COMPACT DISC PLAY OPTIONS

The following compact disc play options are available from the **Settings** menu.

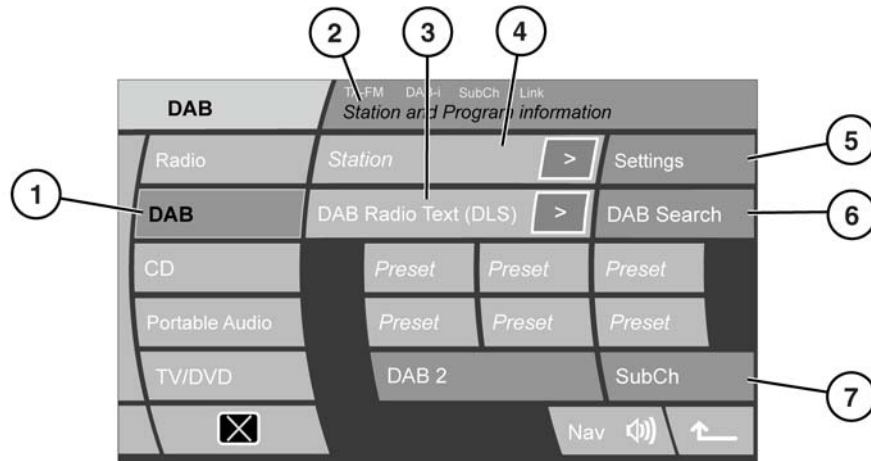
- **Random:** Select to play tracks in a random order. Touch again to cancel.
- **Repeat:** Select to play the current track repeatedly.
- **Scan:** Select to play the first 10 seconds of each track on the CD in turn.

***Note:** Repeat and Scan can be cancelled by pressing the track up or down button.*

Only one option can be active at a time.

If a different audio source is selected, or the unit is turned off, the selected play option will be cancelled.

CONTROLS



SL1090

1. DAB mode select.
2. DAB band and channel name are displayed in this area. The following information may also be displayed:
 - **TA-FM** is displayed if the FM traffic option is enabled.
 - **DAB-i** is displayed if DAB announcements are enabled.
 - **SubCh** is displayed if a sub-channel is selected. If a sub-channel is available but not selected, an arrow will be shown.
 - **Link** is shown if the Link DAB option is enabled.
3. DAB radio text.
4. Channel name.
5. The arrow icon indicates that subchannels are available under the current channel. **SubCh** is displayed if a sub channel is selected.

Note: The display can also show *PTY or Ensemble information*, if you have selected one of these options under **DAB text** on the settings menu.

DAB RADIO TEXT

Many digital channels transmit additional text to accompany a broadcast.

The first 16 characters of the text are displayed. The remainder of the text (if any), can be viewed by touching the additional text icon (>). A pop-up screen will appear with the full text. Touch the pop-up to remove.

DAB radio

STORING CHANNELS AS PRESETS

You can store up to eighteen digital channels (six each on DAB1, DAB2 and DAB3) using the named preset icons.

1. Play the channel you want to add as a preset.
2. Touch and hold (for about 2 seconds) the preset icon you want to store the current channel on. Audio output is briefly muted while the channel is stored and a confirmation message is displayed.

Note: *You cannot store a subchannel as a preset. If you try to store a subchannel, you will store the channel to which the subchannel belongs.*

RECALLING A PRESET CHANNEL

Make sure that the appropriate DAB channel is selected (DAB1, DAB2 or DAB3) and touch the preset icon for the channel you require.

Note: *If you try to recall a channel that has been previously been stored as a preset, but is now unavailable or invalid, the message **No channel found** is displayed.*

ENSEMBLES

Digital radio channels are arranged into groups called ensembles. Also, some digital channels may include subchannels.

Touch and hold the seek buttons for over 2 seconds to find the next or previous ensemble.

After a few seconds pause, the first channel in the newly selected ensemble will be played.

If reception is lost, select **AUTO** to build a new list of ensembles.

FINDING A CHANNEL

Press and release the channel seek buttons to find the next available channel. If the next or previous channel is in a different ensemble, there will be a short pause while the system searches for the channel.

SELECTING A SUBCHANNEL

If subchannels are available under the channel you have selected, the subchannel arrow icon is displayed.

To access the sub-channel, touch the **SubCh** soft key. If more than one sub-channel is available, scroll through them using the seek buttons.

To return to the channels, touch the up arrow soft key.

Note: *When you select and play a subchannel, the arrow icon is replaced by **SubCh** on the display screen.*

Note: *You cannot store a subchannel as a preset.*

Note: *If you are listening to a subchannel, then rotating the menu control will return you to the channel preset list and allow you to scroll through it.*

DAB SEARCH

To find a specific broadcast, use the DAB search menu.

1. Touch the **DAB Search** soft key.
2. Touch one of the soft keys:
 - **Ensemble List** to view a list of all ensembles and the channels within each one.
 - **Channel List** to view a complete list of all channels in all ensembles.
 - **Sub-channel List** to view a complete list of all subchannels available for the currently playing channel.
 - **PTY List** to view all available PTY categories (i.e. News, Sport, Talk etc.) and the channels available within each category.
3. Use the arrows to scroll through ensembles, channels etc., in the list. Select a channel or subchannel directly by touching the appropriate soft key. With PTY, press one of the seek buttons repeatedly (within the first 10 seconds of play) to cycle through the channels contained within the PTY category.

ANNOUNCEMENTS

Up to 3 types of announcement, plus Alarm, can be selected from a list of 10 possibilities (e.g. Road Traffic Flash, News Flash etc.). Normal DAB will be interrupted for the selected announcements.

Note: *The Alarm announcement broadcasts information concerning a crisis of national or international importance.*

LINK DAB

If the **Link DAB** setting is switched on and the signal strength for a channel falls below an acceptable level, the audio unit will automatically search other available ensembles for a channel with the same name.

If an alternative local channel is found, the new channel is played automatically after few seconds. If the channel is not found after a few seconds, the message **No reception** is displayed.

The word **Link** is displayed at the top of the touch screen when Link DAB is enabled.

Portable media

PORTABLE MEDIA



Make sure that any auxiliary devices are stored securely while the vehicle is in motion.



Do not place any item connected to the auxiliary input socket or the auxiliary power socket on the seats, carpets, or other upholstery.



Read the manufacturer's instructions for any device, before it is connected to the audio system.

PORTABLE MEDIA CONNECTIONS

Portable media devices can be connected to the media hub, located in the cubby box. The portable devices that you can connect to the system include:

- USB mass storage devices (e.g. a memory stick). Devices must use FAT or FAT32 file format.
- iPod® (iPod Classic®, iPod®), iPhone® and Nano® are supported - full functionality for older devices cannot be guaranteed). iPod Shuffle® functionality cannot be guaranteed.
- Auxiliary device (personal audio, MP3 players, all iPods®).

If you are connecting an iPod® or mass storage device, use the touch screen to operate and search the device. Many of the controls are similar to those available for CD play.



Disconnect your iPod® when leaving the vehicle. Failure to do so may result in the iPod® battery discharging.



During high ambient temperatures or direct bright sunlight, it is advisable to unplug and remove portable media devices from the vehicle.

Note: The audio system will play MP3, WMA and AAC files.

To maximise 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 utilise a minimum bitrate of 192 kb/s (a higher bitrate is strongly recommended).

Note: iPod® is a trademark of Apple Computer Inc., registered in the US 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.

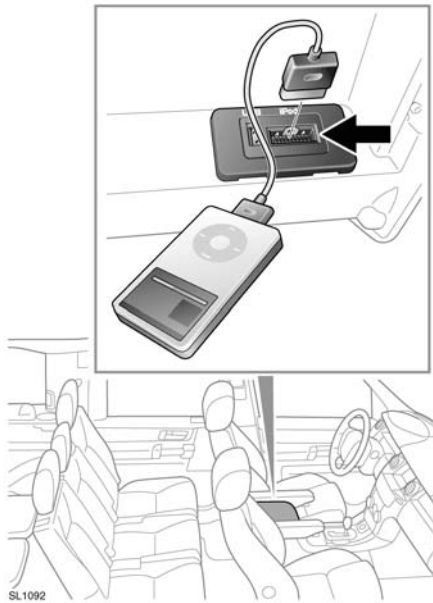
Note: The volume levels and sound quality available from devices connected to the auxiliary inputs may vary widely. If the connected audio device is equipped with a line out socket, as well as a headphone socket, the line out socket should be used.

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 any portable media device via the AUX socket, then you must control playback from the device itself.

CONNECTING A DEVICE



Connect the device into the appropriate socket in the cubby box.

Note: Use the cable supplied with your media device to connect to the USB socket. A dedicated iPod lead is available from your Land Rover Dealer.

- On the touch screen Home menu, select **Portable Audio**.
Note: You can also press the **MODE** button and then select **Portable Audio**.
- Select the required device (**USB** or **iPod**). Playback will start and the playback control menu is displayed.

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 already connected when **Portable Audio** is selected, playback will continue from the point at which it was last playing.

When an auxiliary device is connected, playback will start when the device is switched on and played.

CONNECTING MULTIPLE DEVICES

! Do not plug non-audio devices into the USB port.

You can connect multiple devices to the portable media interface simultaneously and switch between them using the touch screen. Select **USB** or **iPod**, 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).

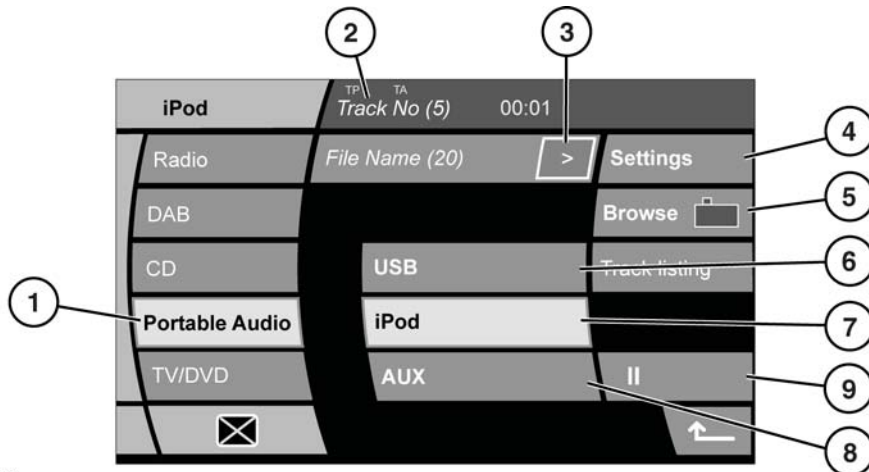
Note: You cannot use a USB hub to connect more than one USB device to the audio unit.

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 **Random**, relate to the device currently playing, they will not apply to any subsequent device.

Portable media

CONTROLS



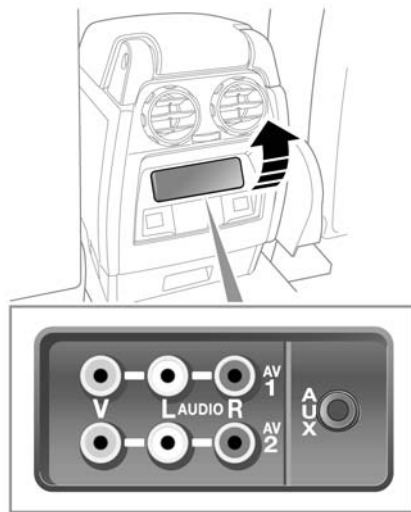
SL1368

1. Select to view the Portable audio menu.
2. Display of information about the current track, including elapsed run-time and play mode (Mix or Repeat).
3. Select to view more detailed information about the current track. Touch briefly to toggle through the information. Touch and hold to display the portable media text pop-up screen. Touch the pop-up to close.
4. Select, then select **Options**:
 - **Random**: Touch briefly to play tracks in the current folder. Touch and hold for 2 seconds to play all tracks on the device.
 - **Repeat**: Touch briefly to play tracks in the current folder. Touch and hold for 2 seconds to play all tracks on the device.
5. Browse (iPod®/USB only):
 - Select to view the contents of the connected device which are displayed as dictated by the file structure of the device.
 - Select a file to start playback (Browse view will remain). Select a folder or subfolder to view their contents.
 - Select **Page jump** to jump through longer lists of items.
 - To return to the Controls menu, select the Back soft key.
6. Touch to select playback from a USB device.
7. Touch to select playback from an iPod.
8. Touch to select playback from an auxiliary device.
9. Pause/Play: Select to pause playback. Select again to resume playback.

SEARCHING A TRACK

Use the audio fascia buttons for next/previous and fast forward/reverse track searches.

AUX INPUT SOCKET



SL1317

The 3.5mm AUX socket allows additional equipment (e.g. personal stereo, MP3 player, hand-held navigation unit, etc.) to be connected to the audio system.

The auxiliary power socket, situated next to the auxiliary jack, can be used to power or charge any suitable device.

Note: iPod shuffle may be connected via the auxiliary input jack.

Note: On vehicles fitted with rear seat entertainment, additional Audio/Visual sockets (AV1 and AV2) are provided. This allows auxiliary equipment (such as a video game console) to be linked to the rear DVD screens. For installation information, please refer to the manufacturer's instructions.

SELECTING AN AUXILIARY INPUT

To listen to an auxiliary input source, select **Portable Audio**, from the touch screen, and then **AUX**.

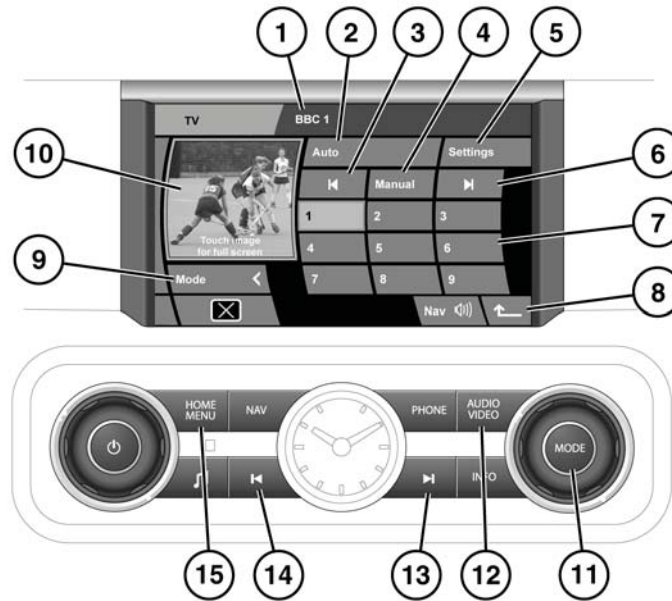
Note: You can also press the mode button repeatedly to select Portable audio.

Play will start when the auxiliary device is switched on and started.

Note: Sound quality and volume levels available from devices connected to the auxiliary input may vary widely.

Television

CONTROLS



SL1521

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 1. Program information. 2. Select to display a Channel list of TV channels available presently at the current location. 3. Seek down: Select to view the previous channel on the channel list. 4. Select for manual TV channel tuning. 5. Select to access country and TV format settings. 6. Seek up: Select to view the next channel on the channel list. 7. Channel presets. <ul style="list-style-type: none"> • Long touch to store the current channel as a preset. The channel name will then be displayed on the soft key. • Short touch to select the channel stored on that preset. | <ol style="list-style-type: none"> 8. Select to return to previous screen. 9. Select to return to source selection menu. 10. Preview screen: Touch to select full screen mode. 11. Rotate for preset selections. Press to view alternative audio sources then rotate to select a source. 12. Press to access the main TV/DVD menu. 13. Press to backward search TV channels. 14. Press to forward search TV channels. 15. Press to return to the main Home menu. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

TV MENU SELECTION

There are 2 methods for selecting single view TV mode.

- Press **AUDIO VIDEO** button.
- Select **TV** or **TV/DVD** on the Home menu.

Note: The TV tuner can receive both analogue and digital TV signals and will maintain the presently tuned channel throughout a journey, subject to reception conditions. In areas of weak reception, you may experience a break-up in picture and sound quality or a blank screen and audio muting. It may be necessary to re-tune the viewed station.

TV CHANNEL SEARCH AND STORE

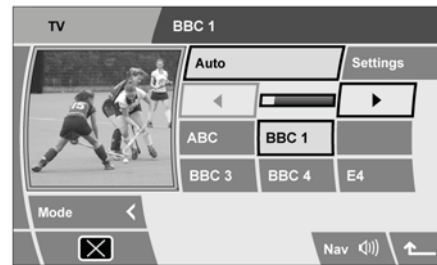
All TV channels available presently at the current location, including user stored channels, can be viewed in single or dual view mode.

There are 3 channel search and store methods, 1 automatic and 2 manual:

Automatic process - Channel List:

While the vehicle moves to each new location, the Auto feature continually updates the Channel list. Channels are automatically added to soft keys in the Channel list view. The Channel list can hold up to 96 currently available analogue and digital TV channels.

1. Touch the **Auto** soft key to initiate the Channel list view. The screen view will change and the **Auto** soft key will remain highlighted.



SL1522

2. Received channels are automatically assigned to soft keys which will display station reference IDs. Channels with names will be listed in alphabetical order, followed by those with a channel number reference. A highlighted soft key indicates the currently selected and displayed channel. Use the left or right arrow soft keys to view further available channels.

Note: When the Auto feature makes a channel list, the stored channels are linked to the locally available transmissions. If you subsequently move away from that locality, some of your stored presets may no longer be available. Those unavailable channels are automatically removed from the displayed list.

3. To store the currently selected and displayed channel to one of the nine preset soft keys, touch the **Auto** soft key. The preset screen will be displayed. Touch and hold one of the preset soft keys, until a confirmation tone is heard and the selected soft key highlights. The channel is now stored on the selected soft key.

Note: Do not store the same channel on two different preset soft keys. Doing so will cause a problem when recalling preset channels.

Television

Manual process 1:

1. With no highlight of the **Auto** or **Manual** soft keys, touch seek up or seek down soft key.
2. Depending on which direction you have chosen to search in, the TV tuner will find the next or previous available channel. The channel ID is displayed in the message area.
3. To store a TV channel to a preset soft key, touch and hold one of the soft keys until a confirmation tone is heard and the selected soft key highlights. The channel is now stored on the selected soft key.

Manual process 2:

1. Touch the **Manual** soft key. The seek up and seek down soft keys become double arrow icons.
2. Touch a seek up or seek down soft key.
3. Depending on which direction you have chosen to search in, the TV tuner will find the next or previous available channel, irrespective of whether there is a TV programme available. If a channel is found, its ID is displayed in the message area.
4. To store a TV channel to a preset soft key, touch and hold one of the soft keys until a confirmation tone is heard and the selected soft key highlights. The channel is now stored on the selected soft key.

CHANGING TV CHANNELS

When in full screen view, there are four methods to change TV channel.

Moving to the next available channel:

1. Touch the screen to access the soft keys.
2. Touch the appropriate seek up or seek down soft key, to select the next or previous TV channel. Repeat to access further available channels.
3. When the desired channel is displayed, either touch the screen to clear the icons or wait 5 seconds for automatic clearance.

Hard button channel selection:

Press the appropriate forwards or backwards button to select the next available channel.

Selecting from the channel list:

1. Touch the screen.
2. Touch the return arrow soft key to move back to the TV control menu.
3. Touch the **Auto** soft key. The Channel list will be displayed.
4. To select a channel from the list, touch the appropriate channel soft key.
5. Touch the preview image to return to full screen view.

Selecting from the preset soft keys:

6. Touch the screen.
7. Touch the return arrow soft key to move back to the TV control menu.
8. Select the appropriate channel soft key.
9. Touch the preview image to return to full screen view.

Note: To move back to the previous soft keys, touch the **Auto** soft key again.

EPG - ELECTRONIC PROGRAMME GUIDE

For digital channels, a Now and Next EPG is displayed each time a channel is tuned. The EPG contains:

1. Current time.
2. Present channel ID.
3. Time and name of programme in view.
4. Time and name of next programme.

The EPG will clear after a short period. The EPG will also display when a programme is about to change.

ALTERNATIVE AUDIO SOURCE

While watching a TV programme on a single view display, an alternative audio source can be selected if required (e.g. a radio news station).

Press the **OK** or **MODE** rotary control to display alternative audio sources then rotate to select a source. After 2 seconds, the selected audio source will play and the video source will remain unaffected.

TV SETTINGS AND FORMATS

A variety of TV formats are used throughout the world. The **Settings** feature allows you to alter TV settings to match the country you are driving in. When **Settings** is first accessed, the **TV country** screen will be displayed.

An alphabetical list of countries is displayed. If a country is already set, then it will be highlighted. Use the arrow soft keys to view further countries.

CHANGING THE COUNTRY SETTING

1. If the country you require is not on the displayed page, use the down arrow to scroll through the list.
2. Touch a country banner to select it. The TV format adjusts to suit the selected country.
3. Use the return arrow soft key to move back to the TV control menu.

***Note:** Station search and store will be required in other countries.*

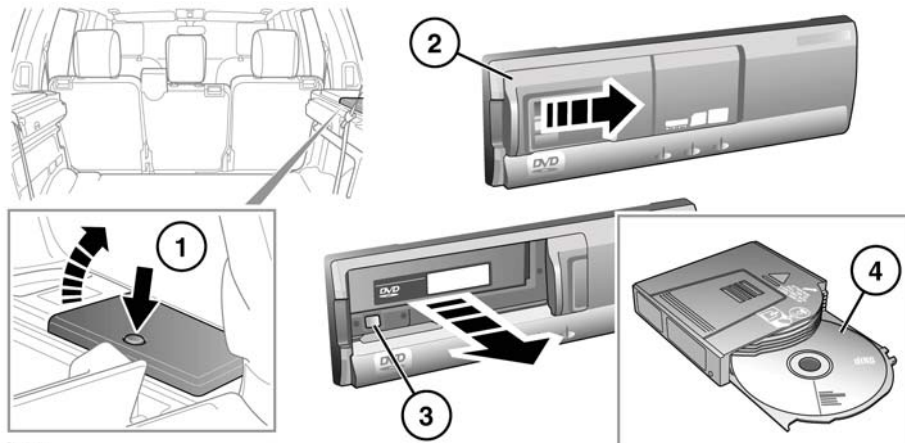
CHANGING THE TV FORMAT

From the TV country menu, you also have the option of making the TV format change directly from a list of formats. If you know the correct TV format for your current location, you can use the following selection process;

1. Touch the **Format** soft key to display the TV format screen.
2. If a country is already set then no format type will be highlighted. If the format you require is not on the displayed page, use the down arrow to scroll through the list.
3. Touch a format banner to select it. The TV format will now be adjusted.
4. Use the return arrow soft key to return to the TV control menu.

DVD

DVD PLAYER



SL1517

The player will play 12 cm DVDs, Video CDs and audio CDs.

Note: Video CDs will have less options available from their menus.



SL1519

The DVD player is not compatible with High Definition DVD discs, DVD-ROMs, DVD-RAMs, Photo CDs, MP3s or DVD plus discs.

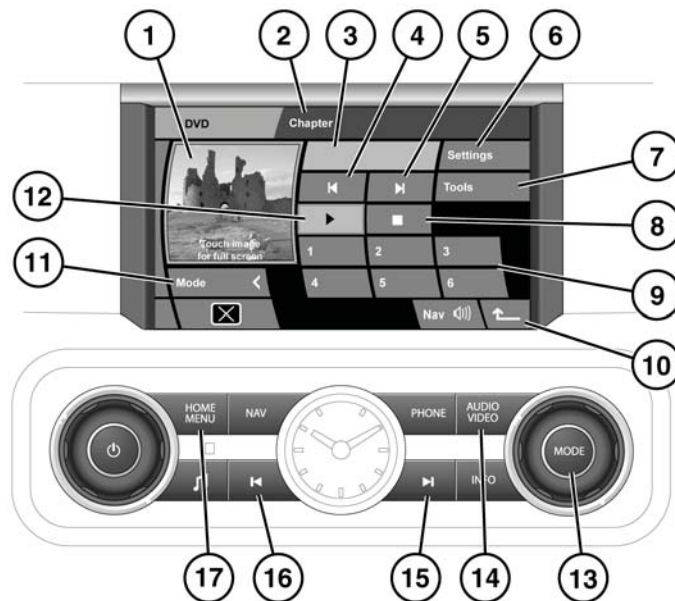
Loading the player:

5. Open the cover.
6. Slide the door open.
7. Press the eject button to release the cassette.
8. Load a disc into the cassette with the label side facing upwards.
9. Insert the cassette into the DVD player.
10. Close the sliding door.

- ⚠ Do not leave the DVD player door in the open position. Ingress of dirt or moisture can reduce playback quality, and may result in damage to the player.
- ⚠ Do not place any device/object that emits a magnetic field near to the player.
- ⚠ Do not insert any object other than the recommended discs into the player.
- ⚠ Ensure that discs are clean/dust-free, before inserting into the player.

Note: This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorised by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

DVD CONTROLS



SL1525

1. Preview picture area (not available when vehicle is in motion).
2. Chapter information.
3. Message area.
4. Backward search: Select to view the previous chapter or video
5. Forward search: Select to view the next chapter or video.
6. Settings: Select to access DVD format screen.
7. Tools: Select to access special features menu.
8. Select to pause/stop DVD play.
9. Touch the relevant number to select DVDs loaded into changer unit.
10. Select to return to previous screen.
11. Mode: Select to toggle between DVD and TV.
12. Select to start/resume DVD playback.
13. MODE button: Press to view alternative audio sources, rotate to select a source.
14. AUDIO VIDEO button: Press to access the main TV/DVD menu.
15. Press to forward search.
16. Press to backward search.
17. HOME MENU button: Press to return to the Home menu.

DVD

DVD MENU SELECTION

There are 2 methods for selecting DVD mode.

Access via the AUDIO VIDEO button:

1. While in another viewing mode (e.g. Navigation), press the hard button for direct access to the TV/DVD control menu.
2. Select the **AUDIO VIDEO** soft key to toggle between TV and DVD. If a further selection is not made within five seconds, the left side selection soft keys will be replaced with a **Mode** soft key. This allows for a larger preview area to be displayed. If the TV control menu is displayed, touch the **Mode** soft key to return to the **TV/DVD** soft key then toggle to DVD.

Access via the Home menu:

1. Press the **HOME MENU** hard button.
2. Touch the **Audio Video** soft key to access the audio/video menu.
3. As in the first access method, select DVD with the **TV/DVD** soft key.

ALTERNATIVE AUDIO SOURCE

In single view display mode and while already listening to an audio source, an alternative audio source can be selected if required, (e.g. DAB).

Press the **OK** or **MODE** rotary control to display alternative audio sources then rotate to select DAB. After 2 seconds, the DAB source will play. The screen view will remain unaffected.

PLAYING A DVD

To select and play a disc:

1. Touch the numeric soft key that the required disc is loaded to. The disc menu will display in the preview area.
2. Touch the play soft key (**12**).

To pause and stop a disc:

To pause DVD play, touch the stop soft key (**8**) once. To resume play from the point where pause was requested, touch the play soft key (**12**).

To stop DVD play touch the stop soft key twice. The DVD programme will return to its start point.

The current state will be displayed along the bottom of the preview screen.

Forward and backward movement:

While a DVD is playing, touch/press the relevant Search soft/hard keys to skip to the next/previous chapter.

A long touch or press will fast forward/review through the current chapter.

DVD SPECIAL FEATURES

Select **Tools** to view the special features menu.

Menu (DVD Changer):

DVD play must be stopped before this menu will display. A long touch of the **Menu** soft key will display the DVD changer menu.

Use the direction soft keys plus **Return** and **Enter** to modify the DVD changer menu.

GOTO:

When a DVD has title, chapter and time information, it can be accessed by touching the **GOTO** soft key. Repeated presses of the **GOTO** soft key will scroll through the available information pages.

Use **GOTO** to access a point within the DVD (e.g. select Chapter to display a chapter selection pop-up). Enter a chapter number, then select **ENTER**.

Touch and hold **GOTO** to display DVD status information.

A second long touch will display the previous screen.

Subtitle:

Select to toggle through the available subtitle options. Subtitles will be displayed along the bottom of the screen.

To turn subtitles off, touch and hold the **Subtitle** soft key.

Angle:

Some DVD programmes offer alternative viewing angles in selected scenes. Touch the soft key to toggle through the available options.

Audio:

Some DVD programmes have alternative or extra sound features, such as a commentary. Touch the soft key to toggle through the available options.

DVD FORMATS AND SCREEN SETTINGS

NTSC (National Television System Committee) is the format used in North America.

PAL (Phase Alternating Line) format is used in the United Kingdom and other countries around the world.

To change the format, select **Settings**. Select the alternative format. After 5 seconds, the screen will return to normal view.

SCREEN APPEARANCE

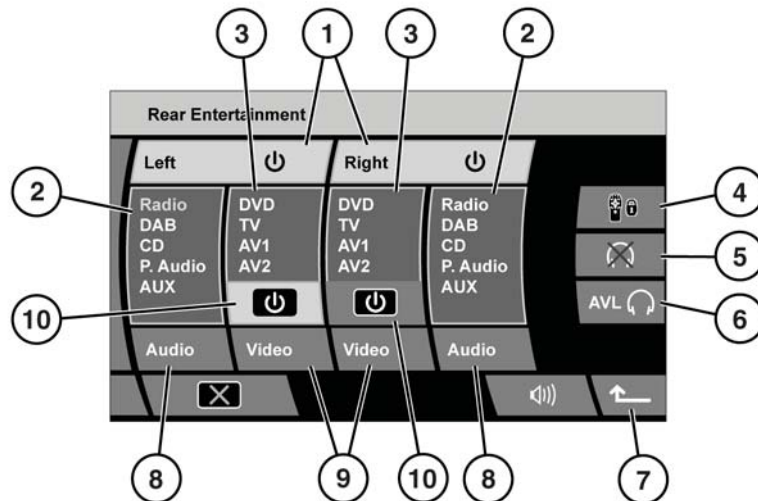
When moving from preview to full screen size, **4:3**, **Zoom** and **16:9**, will be displayed for approximately 5 seconds.

Select the aspect ratio to suit your video media.

- 4:3 - Commonly used for TV.
- ZOOM - Similar to ratio used for films produced for cinema release.
- 16:9 - Widescreen.

Rear seat entertainment

SUPERVISOR SCREEN



SL1543

1. **Left** and **Right** rear screens on/off.
2. Audio source displays.
3. Video source displays.
4. RSE lockout.
5. Headphones mute.
6. **AVL** - Headphones volume limiter.
7. Return to previous screen.
8. **Audio** source selector.
9. **Video** source selector.
10. Video on/off.

Note: The illustration shows all intended audio and video options.

INTRODUCTION TO REAR SEAT ENTERTAINMENT (RSE)

The RSE system consists of two screens. Separate programmes can be viewed or heard by rear seat occupants. Supervisory control is made from the front seats. Audio and video programmes for each or both sides of the RSE, can be controlled from the Supervisor screen. The RSE remote control can be locked out, headphones can be muted and a volume limit can be set for the headphones.

Rear seat entertainment

TURNING ON THE RSE

To switch on a rear screen;

1. From the Home menu, select **Rear Seat Entertainment**.
2. From the Supervisor screen, select **Left**, **Right** or both, as required.

Note: When a rear screen is turned on, the last used audio or video source for that screen will play. If that source is a DVD, then it will resume play at the point it was previously left. If the source is TV and the desired channel is not displayed, use the remote control or the front screen to re-tune.



Children should be supervised at all times and view/listen to only media suitable for their age group.

To switch off a rear screen completely, select **Left**, **Right** or both again.

To switch off only the video source to a rear screen, touch the appropriate **Video** on/off soft key. The screen will remain backlit ready to display information and messages. Touch the same soft key to turn the screen on again.

CONTROLLING RSE WITH THE SUPERVISOR SCREEN

When the Supervisor screen is displayed, the RSE remote control will be locked out. No part of the RSE will operate, until it is turned on at the Supervisor screen.

Selecting an audio source:

The Supervisor screen will display a choice of audio sources: **Radio**, **DAB**, **CD**, **P.Audio** and **AUX**.

To select an audio source;

1. Touch an **Audio** soft key repeatedly until the highlight moves to the audio type you require.

2. After 2 seconds without any further selections, the selected audio source will play.

Note: When watching a video source, an alternative audio source can be selected.

Selecting a video source:

The Supervisor screen will display a choice of video sources: **DVD**, **TV**, **AV1** and **AV2**.

To select a video source;

1. Touch a **Video** soft key repeatedly until the highlight moves to the video type you require.
2. After 2 seconds without any further selections, the selected video source will play.

Note: When a new video source is selected, the audio source will always be synchronised. However, if an alternative audio source is subsequently selected, synchronisation can be achieved again with a long touch of the relevant **Audio** soft key.

Remote control lockout:

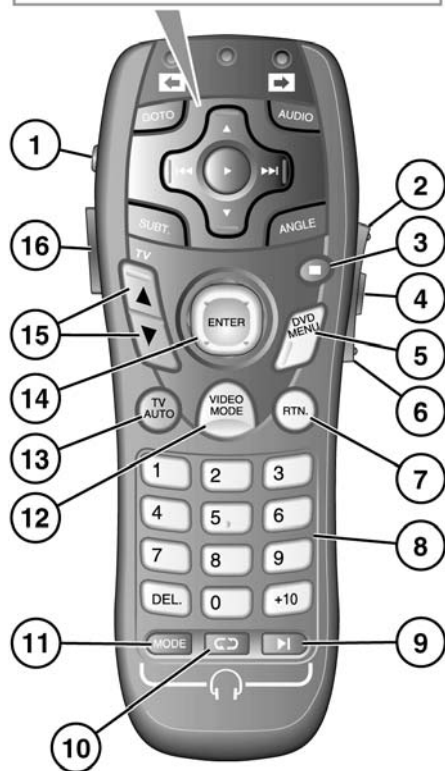
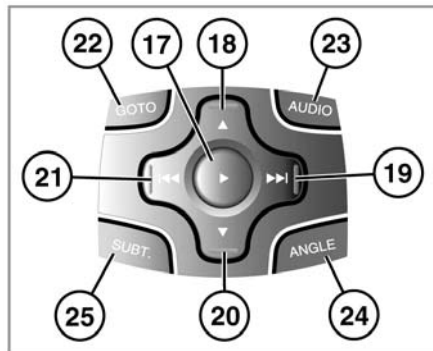
The RSE remote control can be locked out, to prevent selections being made.

Touch the RSE lockout soft key. Touch again to reinstate the remote control.

Note: After an ignition cycle and door lock, the RSE lockout soft key defaults to the off state.

Rear seat entertainment

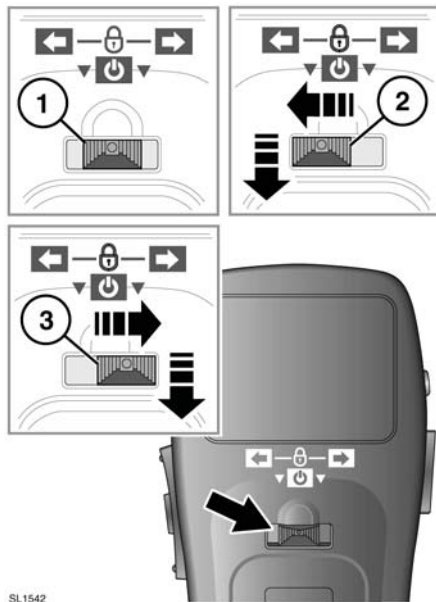
REMOTE CONTROL



SL1527

1. RSE on/off. Long press to toggle between NTSC and PAL video format.
2. Press to increase the set level.
3. DVD suspend play. Press again to end DVD play.
4. Menu select. Press repeatedly to view the setup choices.
5. DVD menu display.
6. Press to decrease the set level.
7. DVD return.
8. Numeric keypad: Press to select DVD chapters, CD tracks or TV stations. Press to return to the previous CD or DVD menu.
9. Radio/CD next station/track. Long press to search through a CD track.
10. Radio/CD next preset station/CD. Long press to scroll through wave bands.
11. Radio/DAB/CD/USB/RSE audio selector. Long press for AUX selection.
12. Press to change video mode: DVD, TV, AV1 and AV2.
13. TV auto/manual tuning.
14. DVD menu control. Move left, right, up or down the menu. Press to confirm selection.
15. Press for previous/next channel.
16. Press to illuminate controls.
17. DVD play.
18. DVD next disc up.
19. DVD seek forward/fast forward.
20. DVD next disc down.
21. DVD seek backward/fast backward.
22. GOTO chapter selection and DVD status.
23. Access DVD audio options.
24. Access DVD viewing angle options.
25. Access DVD subtitle options.

Rear seat entertainment



SL1542

1. Central position - remote control locked.
2. Remote commands for right screen. Press to turn the right screen on/off.
3. Remote commands for left screen. Press to turn the left screen on/off.

Note: Only the video image is turned on/off. The audio signal continues unless another source is selected.

Note: The remote control will not operate if the front supervisor screen is active.

SCREEN SETTINGS

Press button 4 to access the first setting option. Pressing the button repeatedly will scroll through further options.

While the required option is highlighted, the level can be adjusted. Use buttons 2 and 6 to adjust the set level up or down.

Options where levels can be adjusted include:

- BRIGHT (screen brightness).
- COLOUR (screen colour).
- DIMMER (AUTO, DAY and NIGHT). DAY is the brightest setting. NIGHT is the lowest setting.
- DIMMER LEVEL (fine-tune dimmer settings).

A fifth press of button 4 will access **DISPLAY MODE**. The screen aspect ratio can be adjusted to suit the video media being viewed.

- 16:9 (wide screen).
- 4:3 (commonly used for TV).
- CINEMA (used for films produced for cinema release).
- ZOOM (slightly wider than CINEMA setting).

Reset to defaults

Select to revert all screen display settings to their defaults.

VIDEO SIGNAL FORMAT

When the video format option is highlighted, it is recommended that AUTO is selected. This allows the system to determine the correct video format.

NTSC (National Television System Committee) is the format used in North America.

PAL (Phase Alternating Line) format is used in the United Kingdom and other countries around the world.

Rear seat entertainment

RSE AUDIO SOURCE SELECTION

To select an audio source press button **11**. Press repeatedly to scroll through the available audio sources. When the required source is highlighted, play will commence. A long press will select **AUX** mode.

Note: If you want to listen to the soundtrack of a video source such as a DVD, select RSE. The soundtrack can then be listened to with, or without, the video being displayed.

Radio play:

With radio selected as the audio source, press button **9** to seek up to the next available station. Alternatively, press button **10** to move to the next pre-set station. A long press of button **10** will scroll through and select a radio band.

CD play:

With CD selected as the audio source, press button **9** to skip forward to the next available track. A long press of button **9** will search forward through the track. Alternatively, press button **10** to move to the next CD.

USB:

Use buttons **9** and **10** as for CD play.

RSE VIDEO SOURCE SELECTION

To select a video source press button **9**. Press repeatedly to scroll through the available video sources.

DVD play:

To start DVD play, press button **17**. Press button **3** to pause play. Press **3** again to end play.

To move to the next available disc, press button **18**. To move back to the previous disc, press button **20**.

To seek forward press button **19** and to seek backward press button **21**. Press and hold to fast search.

Some discs allow DVD playback to be started at specified points. To start from a certain chapter for example, access the DVD menu by pressing button **5**. The menu will display any available choices for start point etc.

Note: The features available from the DVD menu will vary according to the discs inserted. Please refer to the instructions supplied on-screen for more information.

If an attempt is made to enter a command that is either not available on the disc currently playing, or a command which is available but not at that time, a no entry symbol will appear in the top right corner of the display screen.

Some DVD discs are recorded with additional features that allow subtitles to be displayed, camera angle to be changed and audio choices to be made. If these features are available they can be accessed using the DVD menu button (**5**) and then making the choices/adjustments as required.

Alternatively, the dedicated feature buttons camera angle (**24**), subtitle (**25**) and audio (**23**), can be pressed to access the relevant feature.

DVD audio:

Most DVD discs have a selection of audio effects available. These are accessed by pressing button **23** to scroll through the selections. The selections appear as **AUDIO 1** and **AUDIO 2**.

The main touch screen will display an icon to indicate the audio system in operation.

DVD region codes:

If a DVD with an incorrect region code is inserted into the DVD player, the message **REGION CODE VIOLATION** will be displayed on the video screens.

Rear seat entertainment

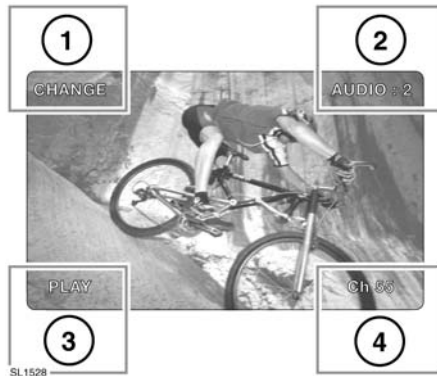
Television play:

There are 2 methods for accessing or tuning to a channel, manual mode and automatic mode. To change between the modes press button **13**.

To change channel use buttons **15**. In manual mode, the next available frequency will be selected. In automatic mode, the next preset station will be selected.

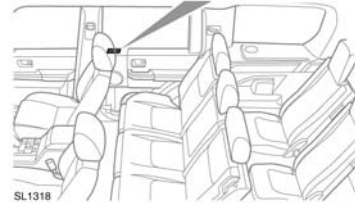
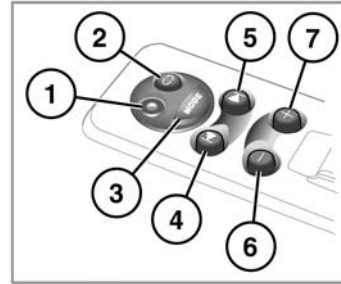
Note: Television stations can be programmed only as presets from the main audio unit.

ON-SCREEN INFORMATION



1. CD and DVD feedback and information.
2. Invalid command messages and audio channel information.
3. TV information
4. CD and DVD feedback and information.

REAR PASSENGER AUDIO CONTROLS



1. 3.5 mm headphone socket.
2. Preset/CD select:
 - During radio play, a short press will select the next preset radio station.
 - During CD play, press and release to select the next CD.
3. Mode control:
 - A long press will select AUX.
 - With Aux selected, press to return to the previous mode.
 - When rear seat entertainment is selected, all adjustments are made through the remote control.

Rear seat entertainment

4. Search down:
 - During radio play, press to search down the frequency band for the next station with a good signal strength.
 - During CD play, a short press will start the current track again. A second press will start the previous track.
 - During CD play, a long press will search back through the track being played, until the button is released.
5. Search up:
 - During radio play, press to search up the frequency band for the next station.
 - During CD play, a short press will start the next track.
 - During CD play, a long press will search forward through the track being played, until the button is released.
6. Headphone volume decrease.
7. Headphone volume increase.

With the ignition on, the rear seat controls will operate regardless of whether the audio system is switched on or not. However, the output can only be heard through the headphones.

If rear seat passengers are listening to the same source as the front seat passengers, only the volume can be adjusted at the rear seat controls.

HEADPHONES

Note: Only headphones with a 3.5 mm jack plug socket can be used. To obtain optimum sound quality, use headphones with an impedance of 32 ohms.

Note: When the headphones are not connected, the rear seat controls remain operational. It is still possible to select CD while the radio is playing on the audio unit. CD play will remain operational until the mode control is pressed again.

Note: Adjusting the volume on the audio unit, does not alter the headphone volume. The volume of each controller can be adjusted independently.



Always store headphones safely when not in use. Do not leave them unsecured as they may cause injury in the event of sudden braking or impact.

Rear seat entertainment

EEC CONFORMANCE

These units conform to the current valid European or harmonised national regulations. The designation is your guarantee of conformance to the applicable specifications concerning electromagnetic compatibility for the unit. This means that interference affecting other electrical/electronic devices caused by your unit, as well as interfering influences on your unit from other electrical/electronic devices can be largely prevented.

Current valid designations are:

E symbol according to European motor vehicle EMC guideline 95/54/EC, also permits operation in motor vehicles classes (M, N, and O) which received their approval after 01/01/1996.



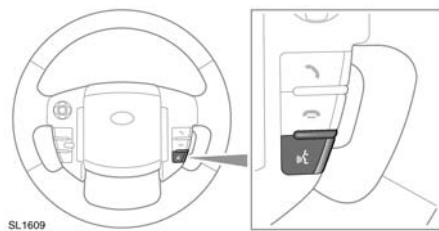
SL1529

Voice control

OPERATION

Voice control allows you to operate the telephone, navigation and touch screen systems using spoken commands. A notepad facility also allows you to record notes.

The system is controlled by the Voice button, located on the steering wheel.



- Press briefly to start a Voice session.
- Press and hold to cancel a Voice session.

Once a Voice session is started, a tone will sound to indicate that the system is waiting for a voice command.

Give a command. The system will repeat the command (as understood by the system) back to you as confirmation. The command will then be acted on or the system will ask for further information. Always wait until after the tone before giving the next command.

If a command is not understood by the system, it will respond with **SORRY**. Two further attempts to give the command are permitted before the Voice session is cancelled.

Once you are familiar with operating Voice control, you can skip to the end of a Voice system request (to when the tone sounds) by briefly pressing the Voice button during the system request.

A command can be interrupted by saying **Cancel** or by pressing the steering wheel control.

To cancel a Voice command, press and hold the steering wheel control until a double tone is heard.

The following table lists the basic commands for operating the system (including help and tutorial commands).

Command	Description
VOICE HELP	Plays information on operating the Voice system.
VOICE TUTORIAL	Initiates a four-part Voice system tutorial.
DISPLAY HELP	Plays information on touch screen Voice commands.
DISPLAY ON	Turns on the touch screen.
DISPLAY OFF	Turns off the touch screen.
DISPLAY SHOW PHONE	The Phone menu is displayed on the touch screen.
PHONE HELP	Plays information on phone Voice commands.
DISPLAY SHOW AUDIO	The Audio Home screen is displayed.
DISPLAY SHOW NAVIGATION	The Navigation main menu is displayed on the touch screen (the navigation caution must be accepted beforehand).
NAVIGATION HELP	Plays information on navigation Voice commands.
NOTEPAD HELP	Plays information on notepad commands.

Command	Description
RECORD NOTE	Allows recording of a note, up to 30 seconds long.
PLAY NOTEPAD	Plays all currently stored notes.
CLEAR NOTEPAD	Deletes all currently stored notes.

VOICE TUTORIAL

To listen to a tutorial detailing the operation of the Voice system:

- Briefly press the Voice button to start a voice session.
- Wait for the tone to sound, then say **VOICE TUTORIAL**.

The voice tutorial can be cancelled at any time by briefly pressing the Voice button and saying **CANCEL**. Using the commands **PREVIOUS** and **NEXT** allow you to skip to a previous or the next lesson of the tutorial.

***Note:** The vehicle must be stationary and parked during the tutorial.*

VOICE SESSION INTERRUPTIONS

Certain conditions will cause the current voice session to be cancelled, as follows:

- If a phone call is received.
- If a high priority warning appears in the message centre.
- If there is no user input for a sustained length of time.

Press the Voice button to start a new voice session.

NOTEPAD

The notepad can be used to record notes, each up to 30 seconds long, which can be subsequently recalled.

RECORDING A NOTE

1. Briefly press the Voice button, wait for the tone to sound, then say **RECORD NOTE**.
2. Speak the note, then press and hold the Voice button to end and save the note.

***Note:** If the note exceeds 30 seconds the recording will end automatically.*

PLAYING NOTES

Briefly press the Voice button, wait for the tone to sound, then say **PLAY NOTEPAD**.

If multiple notes are stored; to skip to the next note, briefly press the Voice button during playback and say **NEXT**.

DELETING NOTES

To delete a single note, briefly press the Voice button during playback of the note and say **DELETE**.

To delete all stored notes, briefly press the Voice button and say **CLEAR NOTEPAD**.

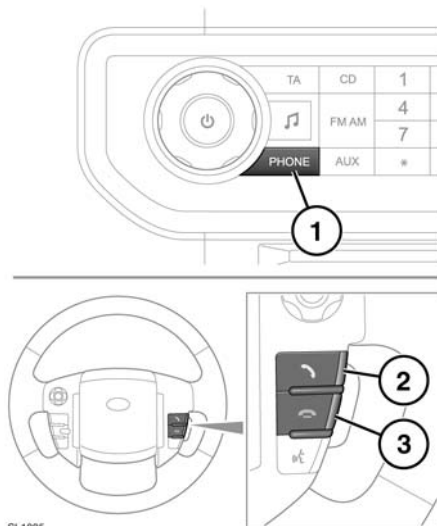
VOICE VOLUME

Briefly press the Voice button to initiate a Voice session, then use the volume control to adjust Voice volume as required.

***Note:** Voice volume can also be adjusted in the Settings area of the touch screen.*

Bluetooth telephone

TELEPHONE CONTROLS



1. Press to activate or deactivate telephone mode.
2. Press to answer a call or to dial a number.
3. Press to end a call or to reject an incoming call.

BLUETOOTH® INFORMATION



Bluetooth® is the name for short-range radio frequency (RF) technology that allows electronic devices to communicate wirelessly with each other.

The Land Rover Bluetooth® system supports Bluetooth® Hands-Free Profile (HFP).

Before use, your mobile phone must be paired and docked with the vehicle's Bluetooth® system. This is done via your mobile phone. See **PAIRING AND DOCKING USING YOUR MOBILE PHONE** (page 141).

Once a mobile phone has been paired and docked with the vehicle, the system will attempt to connect with the last docked phone each time the ignition is switched on.

As these mobile phones have a wide range of audio and echo characteristics, it may take a few seconds for the vehicle's Bluetooth® system to adapt and deliver optimum audio performance.

To get the best performance and minimal echo and noise from the hands-free system, it may be necessary to reduce the in-vehicle volume and ventilation fan speed slightly.

TELEPHONE SAFETY



Switch off your telephone 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 vapour, chemicals or metal dust.



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.

The Health Industry Manufacturers' Association recommends that a minimum separation of 15 centimetres (6 inches) 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.



Always stow your mobile phone securely.

TELEPHONE COMPATIBILITY

The Bluetooth® telephone system can be used with an appropriate Bluetooth® equipped mobile telephone.

Note: Some Bluetooth® mobile phones are better than others at utilising the full potential of the vehicle's Bluetooth® system.

Please refer to the OWNERSHIP section of the Land Rover website at www.landrover.com, Select Bluetooth for a list of compatible phones. Alternatively, please refer to your Dealer/Authorised Repairer.

Note: The Bluetooth® equipped phones listed, have been tested for compatibility with Land Rover 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 Land Rover.

The Bluetooth® system supports Bluetooth® Hands Free Profile 1.5 (HFP 1.5). If the mobile phone paired to the system also supports this profile, additional features will be available such as battery meter, signal strength and network operator. If the mobile phone does not support these features, they will not be available on the touch screen. However, you can refer to the mobile phone's display to determine these items.

PAIRING AND DOCKING USING YOUR MOBILE PHONE

Note: The process of pairing and docking your phone with the vehicle using your mobile phone, will vary depending on the type of mobile phone used.

1. Switch the ignition system on and ensure that the touch screen is active and that no other phone is currently docked to the vehicle's Bluetooth® system.
2. Using the mobile phone, search for Bluetooth® devices. On some phones, this is referred to as a new paired device. See your phone's operating instructions for further information.
3. When the vehicle's Bluetooth® system is discovered (named Land Rover), select this device from the list.
4. When prompted, enter the Bluetooth® PIN (Personal Identification Number). When pairing and docking from your mobile phone, this number is always 2121.
5. Once your phone is paired and docked to the system, it can dock automatically. If it does not automatically dock, you will have to dock manually with the Land Rover Bluetooth system, via the mobile phone. Please consult the mobile phone's instructions for further information.

Note: Some mobile phones do not automatically dock and will require to be manually docked.

Some mobile phones require you to authorise the connection each time you start the system. To change this, you must set Land Rover as being authorised in the mobile phone's known device list. Please consult the mobile phone's instructions for further information.

Bluetooth telephone

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 source is suppressed for the duration of the call. Navigation instructions and parking aid warnings are not suppressed.

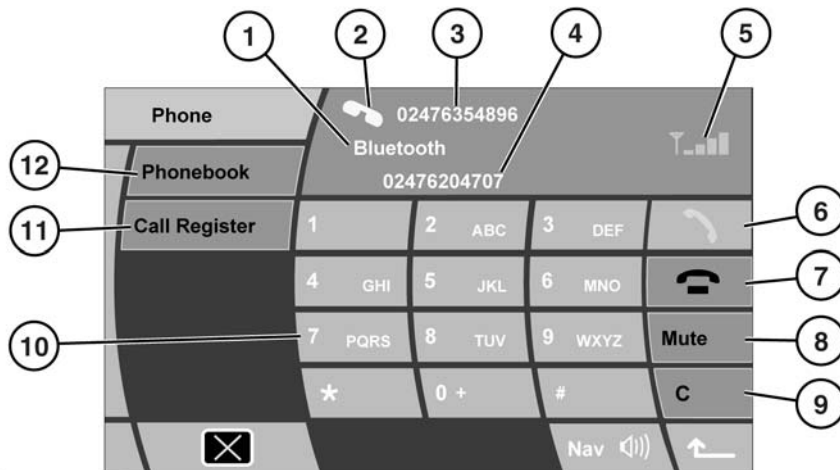
ANSWERING/REJECTING/ENDING CALLS

- Press the **Make/Answer** button on the steering wheel to answer an incoming call.
- Press the **End** button on the steering wheel to reject an incoming call.
- Press the **End** button on the steering wheel to terminate a call.

DIALLING

1. With Telephone mode activated, use the numeric keys to enter a telephone number.
2. Press **OK** to dial the number.

TOUCH SCREEN OVERVIEW



SL1096

1. Network name. Bluetooth is displayed if no network is available.
2. Active call icon.
3. Call information.
4. Scratchpad line. Record a phone number during a call.
5. Signal strength indicator.
6. Connect icon. Use to make or accept a call.
7. Disconnect icon. Use to end or reject a call.
8. Mute the call.
9. Clear. Brief touch to delete last number. Touch and hold to delete complete number.
10. Numeric keypad.
11. Call Register. Lists all phone messages.
12. Select to access the Phonebook.

DIGIT DIAL

Once your phone is docked, Digit Dial is the default screen in Phone mode.

Using the on-screen keypad, enter the required number. Up to 20 digits are acknowledged. If more numbers are entered, an error message will be displayed. Touch the connect icon to send.

Alternatively, briefly press the steering wheel connect switch.

Note: When entering a number, you can change the phone number shown on the touch screen using the **C** button. A momentary touch erases a single digit, a long touch erases the complete number.

Bluetooth telephone

LAST NUMBER REDIAL

If your mobile phone supports this feature, it will be available on screen.

1. Touch the Connect icon.
2. The last dialled number will be displayed and dialling will commence.

Alternatively, press and hold the steering wheel connect switch to redial the last number dialled.

INCOMING CALLS

When a new call is incoming and the Phone display is not active, an information pop-up will appear. Touch the displayed Connect icon to receive the call.

Alternatively, briefly press the steering wheel connect switch.

To reject the call, touch the displayed Disconnect icon or press the steering wheel disconnect switch.

ENDING A CALL

With the Phone display active, touch the Disconnect icon. When an alternative mode is active, press the Phone button on the audio fascia then the Disconnect icon.

Alternatively, press the steering wheel disconnect switch.

SCRATCHPAD

This function allows a number to be entered during an active phone call. After ending the call, the scratchpad number will move up to the top area of the screen.

To dial that number, touch the Connect icon or use the **C** soft key to delete it.

CONTINUING A CALL WITH IGNITION OFF

If you need to turn off the ignition during a telephone conversation, there are two choices of how to continue the telephone call.

1. If you want to continue using the vehicle telephone system, ensure that the audio system is ON before turning off the ignition.

The vehicle telephone system will continue to be available while the current phone call is active. When the phone call is terminated the vehicle system will shut down.

2. If you want to continue the phone call using your mobile phone, ensure that the audio system is turned OFF before turning off the ignition.

PHONEBOOK

Certain mobile phones store phonebook contacts in two different areas, on the SIM card and on the phone memory. Where possible, the vehicle will download and display contacts from both areas.

When a phone is removed from the vehicle and the Bluetooth link is broken, the phonebook will be deleted from the vehicle system.

To access the phonebook:

1. Select the **Phone** menu.
2. Select **Phonebook**.
3. The phonebook screen is displayed.

There are 2 methods to access contacts from the phonebook, via the scroll list or via the search feature:

Method 1 - using the scroll feature:



SL1607

1. Use the scroll arrows to view the contacts list.
2. Contact names and numbers are displayed alongside a Connect icon.
3. When the required contact is displayed, touch the Connect icon.

Alternatively, use the search controls on the steering wheel.

Method 2 - using the search feature:



SL1608

1. Use the keyboard to enter the contact name. If an error is made, use the **Delete** soft key.
2. When the required contact is displayed, touch the Connect icon.

CALL REGISTER

In this area you can view lists of phone messages, details of previous calls, missed calls and received calls.

A call can be made to any of the contacts within the different areas of the call register. Touch the icon corresponding to the contact you want to call. If a call is made the display reverts to Phone mode.

Note: These functions will be available only if your phone is capable of sending the call lists to the vehicle.

Accessing phone messages:

1. Touch the **Call Register** soft key.
2. The Phone Messages menu is displayed.

Accessing previously dialled numbers:

1. Touch the **Call Register** soft key.
2. The Phone Messages menu is displayed.
3. Touch the **Dialled** soft key.
4. The Last Dialled menu is displayed.

Accessing missed calls:

1. Touch the **Call Register** soft key.
2. The Phone Messages menu is displayed.
3. Touch the **Missed** soft key.
4. The Missed menu is displayed.

If a call is missed while the Phone menu is displayed, touch the **Call Register** soft key to access caller information.

If a call is missed while in another display mode, an information pop-up will appear with a View List option. Select **View List** to display the missed call(s).

Accessing previously received numbers:

1. Touch the **Call Register** soft key.
2. The Phone Messages menu is displayed.
3. Touch the **Received** soft key.
4. The Received menu is displayed.

Bluetooth telephone

TELEPHONE VOICE CONTROL



Do not use voice control when placing emergency calls.

Press and release the voice button on the steering wheel. After the tone, speak one of the commands. If the system asks for more information, wait until the tone has sounded before replying.

To cancel a voice control session, press and hold the voice button until a double tone sounds.

TELEPHONE VOICE COMMANDS

The voice control system understands predefined commands, which need to be spoken word for word. For each of the following commands, phone can be substituted by telephone.

- PHONE DIAL NUMBER.
- PHONE DIAL NAME.
- PHONE REDIAL.
- PHONE STORE NAME.
- PHONE PLAY DIRECTORY.
- PHONE DELETE DIRECTORY.
- PHONE HELP.

When using these commands, the system will guide you through the process. After each prompt for a response, wait for the tone before responding. Some responses are a simple **YES** or **NO**.

When using the **PHONE DIAL NUMBER** command, the phone number can be given as a series of single digits from zero to nine. You can also speak the number in groups of three to six digits. If you use this method, always wait for the system to respond with **CONTINUE** before providing the next group of numbers.

When making a call to another country, start the number with the command **PLUS**, then start the number with the country code.

When prompted with the **CONTINUE** message, the following commands are available to use.

- **DELETE** - Deletes all digits entered.
- **CORRECTION** - Deletes the last entered digit.
- **CANCEL** - Cancels dialogue.
- **DIAL** - Dials the entered number.

The **PHONE REDIAL** command can be used to dial the last number used.

TELEPHONE VOICE NAMETAGS

The voice control system allows you to enter nametags against telephone numbers.

To store a nametag, use the command **PHONE STORE NAME** and follow the prompts to enter the number and your nametag.

When prompted with the Continue message, the following commands are available to use.

- **DELETE** - Deletes all digits entered.
- **CORRECTION** - Deletes the last entered digit.
- **CANCEL** - Cancels dialogue.
- **STORE** - Stores the entered number.

To dial a number stored under a nametag, use the command **PHONE DIAL NAME** and follow the prompts.

To play all the nametags stored in the directory, use the command **PHONE PLAY DIRECTORY**. The list can be interrupted at any time by using the following commands.

- **DELETE** - Deletes a nametag and associated telephone number.
- **DIAL** - Dials the number associated to the nametag.
- **REPLAY** - Replays the nametag list.
- **CANCEL** - Cancels playback.
- **EDIT** - To edit the nametag or associated telephone number.

To delete all entries in the vehicle voice recognition phone directory, use the command **PHONE DELETE DIRECTORY** and follow the prompts. You will be asked twice to confirm deletion.

The contacts and numbers deleted are only those copied to the vehicle directory. This process cannot delete the directory stored on the mobile phone.

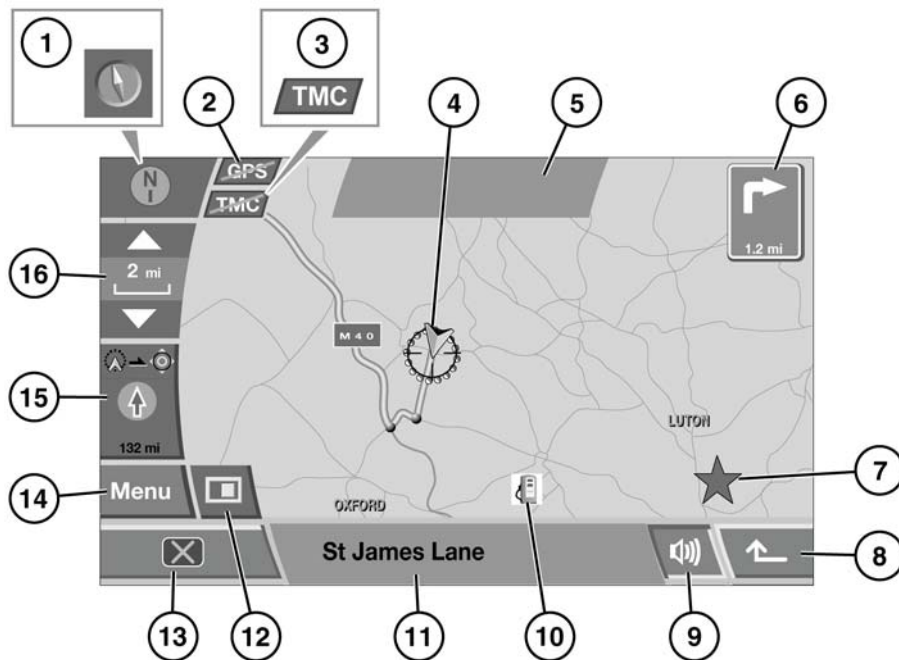
ADDING A NEW NUMBER AND NAMETAG

A new contact can be stored via the touchscreen.

1. From the Home menu, select **Settings**.
2. Select **Voice Settings**.
3. Select **Voice Add Name**.
4. Using the keypad, enter the telephone number.
5. Select **Add** to initiate the voice recognition **PHONE STORE NAME** function.
6. Follow the prompts to add a nametag.

Navigation system

NAVIGATION SCREEN OVERVIEW



SL1459

1. Map direction control. This icon controls the orientation of the map. Touch to toggle between North is up on the map, or direction of vehicle travel is up.
2. Global positioning system (GPS) availability. If a line appears through this icon, GPS is not available.
3. Traffic Master Channel (TMC) availability. If a line appears through this icon, TMC is not available.
4. Vehicle position icon. When **North is up** is selected, this icon will follow the direction of vehicle travel.
5. Message display area.
6. Distance to next turn.
7. Location of a TMC incident.
8. Return to previous screen soft key.
9. Repeat last voice instruction soft key.
10. Point of Interest (POI). Fuel station icon is shown in the example.
Note: POI icons will not be displayed if the zoom level is above 1km (1/2 mile).
11. Current street location.
12. Display screen mode options soft key.
13. Screen off soft key.
14. Return to the navigation menu soft key.
15. Straight line direction and distance to destination. When a number is shown at top right of the icon, this is the distance to the next way point.
16. Zoom control soft key.

ACCESSING NAVIGATION

To turn on the navigation system touch the **Navigation** soft key. Alternatively press the **NAV** hard key on the fascia.

After touching the **AGREE** soft key, the touch screen will display the screen or menu that was in use when you last switched off the system.

*Note: After approximately 12 seconds, the menu soft keys will disappear and display the map information only. Touch the **MENU** soft key to display the full MENU screen.*

SCREEN MODE OPTIONS

Touch the screen mode options soft key to display the possible options. Touch the relevant icon to change the screen mode:



Show full screen



Show the split screen. A more detailed view of the local area and road system is displayed in the right side of the screen.



Show the compass



List of forthcoming junctions and turn directions shown on the split screen



This icon displays enlarged next junction guidance info on the split screen



This facility is only available when travelling on the motorway, and displays the remaining motorway exits (up to your required exit) and the exit numbers



Automatically shows the next junction on the right of the screen.

COMPASS VIEW

It is possible to use compass view in North is up or Direction of travel is up mode.

VOICE GUIDANCE

Voice guidance may be cancelled (or re-instated) at any time by touching the Voice Guidance soft key on the map screen.

To set voice guidance volume, press and hold the **Tone** hard key on the fascia while voice guidance is in use. Once the **Volume Setup** menu is displayed, select **Navigation** and adjust the volume setting as desired. After approximately 10 seconds the screen will return to the previously display.

PERSONAL NAVIGATION SETTINGS

To access the navigation system settings menu, select NAVIGATION SETUP from the main menu.

The following parameters may be configured:

- Personal settings related to system operation (e.g. arrival time readout, map text size, keyboard layout etc.).
- Points of interest (POI) icons may be added or removed from the map screen.
- RDS-TMC Traffic information settings. See **RDS-TMC OVERVIEW** (page 159).
- 2D/3D view. Both the map view and guidance view can be toggled between 2D and 3D views.
- System defaults may be restored.
- The vehicle position may be calibrated.

*Note: Settings for language, screen brightness etc., should be set for the entire vehicle system via **SYSTEM SETTINGS**, available from the HOME menu.*

Navigation system

Note: The **MAP CHANGE** option is used by your Land Rover Dealer/Authorised Repairer to update map information stored within the system. There are no user configurable settings within map change.

ENTERING A DESTINATION

From the navigation menu, select Destination Entry.

If you are travelling to another country on your journey, it is advisable to change the destination search using the **Search Area** soft key prior to entering your destination. This will reduce the time taken to calculate a route.

There are several methods for entering a destination. With each method you can select from a list of route preferences, choose alternative routes and add intermediate points to your journey.

The following destination entry options are available, all are selected by touching the appropriate soft key:

- **Address:** This allows you to enter a specific street address, street or town.
- **Point of Interest (POI):** This allows selection of a destination from the POI categories.
- **Postcode:** The simplest method to enter a destination using the postcode.
- **Map:** A destination can be selected by pinpointing on a map.
- **Coordinates:** The destination is entered as longitude and latitude coordinates.
- **Memory:** Up to 106 destination locations can be stored in the system memory.
- **Previous:** The previous 20 destinations are stored for future use, and one of them may be selected using this option.
- **Motorway Entry/Exit:** Enables selection of a motorway junction as a destination.

- **Home:** Can be used to store a frequently used location.
- **Off-road Point:** This allows a destination used in off-road navigation to be selected as a destination.

ENTERING AN ADDRESS AS A DESTINATION

Select Address, then Town Name and enter the name of the town on the keyboard. Next, enter the Street using the soft key, then House Number (if known).

When an entry is made (in **Street** or **Town Name**), if the system recognises enough letters, a list of matching options from the database will be displayed. Select the required street or town by touching it.

Once the address has been entered, touch the **OK** soft key, and a map of the destination will be displayed overlaid with fine tune arrows.

To fine tune the destination use touch the required arrow on the screen. When you are ready to calculate a route, touch the **Destination** soft key.

A route will be calculated, and a map overview of the route displayed. The destination is identified by a red circle containing a white ring.

If satisfied with the destination and route displayed, touch the **Start** soft key begin your journey. Your route will be highlighted on the map, with an arrow depicting your current location, and voice guidance instructions will guide you along the route.

ENTERING A POINT OF INTEREST (POI) AS A DESTINATION

Select the POI soft key, followed by a POI Name. Use the keyboard to enter a place name (e.g. Banbury) to display any related locations on the map.

Touch the **Categ** soft key to view a list of the POI categories, or touch the **List** soft key to view a alphabetical list of available POIs in all categories.

POI entry may also be made using the **POI Near** or **Phone Number** options.

Note: POI icons can only be displayed up to the 1km (1/2 mile) zoom level.

When a suitable POI has been selected, touch the **Destination** key to begin route calculation.

A confirmation screen will be displayed, followed by the map screen with the destination identified by a red circle containing a white ring.

If satisfied with the destination and route displayed, touch the **Start** soft key begin your journey. Your route will be highlighted on the map, with an arrow depicting your current location, and voice guidance instructions will guide you along the route.

ENTERING A DESTINATION USING A POSTCODE

If the destination postcode is known, it can be used to calculate a route. Select the Postcode soft key, and enter the postcode using the keyboard, including any spaces or punctuation. When entered, touch OK, followed by Destination.

If satisfied with the destination and route displayed, touch the **Start** soft key begin your journey. Your route will be highlighted on the map, with an arrow depicting your current location, and voice guidance instructions will guide you along the route.

Destination entry by postcode is not available in all countries. The navigation system provides full postcode entry in the following countries:

Austria	Italy
Belgium	Luxembourg
Denmark	Spain
France	Switzerland
Germany	United Kingdom

The navigation system provides reduced postcode entry in the following countries:

- Netherlands - first 4 numeric digits only. For example, 4817
- Sweden - first 3 digits only, for example 162 00 must be entered as 162

ENTERING A DESTINATION USING THE MAP

If the destination is in the general location of your vehicle, entry via the map may be used.

Select **Map** from the Destination menu. The local area will be displayed as a map overlaid with fine tune arrows. Using the **Zoom** function and the fine tune arrows, position the destination arrow over your required destination and select **Destination**.

The navigation system will calculate your route and display it on the screen. To start your journey, select **Start**.

Navigation system

ENTERING A DESTINATION USING COORDINATES

To navigate to a latitude/longitude destination, select Coordinates. Enter the coordinates on the following screen using the numeric keypad.

Note: *The full latitude must be entered first, followed by the longitude.*

Once the coordinates have been entered (using the appropriate symbols for degrees, minutes, seconds as required) select **OK**. The system will calculate the route and display on the map.

Note: *If the coordinates entered are not within the area covered by the navigation system, an error message will be displayed. This may also occur if the coordinates are entered incorrectly.*

RECALLING A DESTINATION FROM THE MEMORY

Over time it is possible to build up a list of stored destinations. Information such as location name, the name of a person or a telephone number can be stored alongside each destination.

Select **Memory** from the Destination screen. The Memory Points menu is displayed with a list of any stored memory points. Use the arrow soft keys to scroll through the list. Touch a destination to select it, and the details will be displayed as a confirmation. Select **Destination** to confirm and select.

The navigation system will calculate the route and display it on the map.

Note: *While driving, scrolling on the destination list will be disabled and you will only be able to select from the destinations visible at the top of the list.*

RECALLING A PREVIOUS DESTINATION

To recall one of the previous 20 destinations, select Previous. A list of the stored destinations is displayed. Touch the desired destination to select it. The details will be displayed as confirmation, select Destination to confirm.

The navigation system will calculate the route and display it on the map.

Note: *While driving, scrolling on the destination list will be disabled and you will only be able to select from the destinations visible at the top of the list.*

RECALLING A MOTORWAY JUNCTION AS A DESTINATION

Motorway junctions must be previously stored before they may be entered as a destination. The motorways are also stored as memory points. See **STORING NEW LOCATIONS** (page 155).

Select **Motorway Entry/Exit** to display a list of stored junctions and select your desired destination by touching it. The details will be displayed as confirmation, select **Destination** to confirm.

The navigation system will calculate the route and display it on the map.

Note: *While driving, scrolling on the destination list will be disabled and you will only be able to select from the destinations visible at the top of the list.*

RECALLING HOME AS A DESTINATION

Once a Home destination is stored (see **155, STORING NEW LOCATIONS**), it can be easily recalled.

Select **Home**, followed by **OK** to confirm. The navigation system will calculate the route and display it on the map. Select **Start** to begin your journey.

RECALLING AN OFF-ROAD POINT

If an off-road route has already been stored, it can be recalled and used as a new destination.

Select **Off-Road Point** and a list of stored routes will be displayed. Up to 20 off-road routes can be stored (see **155, STORING NEW LOCATIONS**). Select the desired route from the list, and touch to select. The details will be displayed as confirmation, select **Destination** to confirm. The navigation system will calculate the route and display it on the map. Select **Start** to begin your journey.

***Note:** While driving, scrolling on the destination list will be disabled and you will only be able to select from the destinations visible at the top of the list.*

MAKING CHANGES TO A ROUTE

The route calculated by the navigation system may not exactly fit the requirements of a particular journey. A choice of options are provided which may be selected to tailor the route, these include:

- Specific road types.
- Vehicle transport types.
- A choice of routes.
- A facility to add additional points along the route.

Each of the options is accessed via a soft key when they become available.

ROUTE PREFERENCES

With each of the destination entry methods described above, a map screen appears when the route is selected, showing the fine tune arrows and the selected route. Also on this screen, to the right, is the Route Prefs soft key.

This soft key allows selection of a number of options available on the selected route. Options include:

- Ferry.
- Toll roads.
- Major roads (includes motorways).
- Restricted roads.
- Car trains.

The arrow soft keys allow scrolling through the list. To select an option touch the appropriate soft key, and then select **OK** to confirm. The navigation system will then recalculate the route according to the option selected and continue in the normal way.

The Route Preferences menu may also be accessed via the main navigation Menu. From here, select **Route Options**, followed by **Route Preferences**.

SELECTING ALTERNATIVE ROUTES

While setting a destination, the map screen is displayed showing the suggested route that the navigation system has calculated. To see available alternate routes, select **3 Route** at the bottom of the screen. Up to 3 alternate route options will then be displayed on the right hand side of the screen.

To select one of the alternate routes, touch the appropriate information box. The navigation system will then continue in the normal way with the newly selected route.

Navigation system

ADDING WAYPOINTS TO A ROUTE

Additional points added to a route are called waypoints. Up to 5 waypoints can be added to a journey. To add a waypoint, prior to selecting Start (to begin the journey), select Change Route (located at the bottom of the screen). The Route Options screen will be displayed.

Select **Destination/Waypoints**, then select **Add**. The Destinations menu will be displayed, and waypoint destinations may be added in the same way as the original destination.

Once a waypoint has been added, and the map screen is reached, select **Waypoint** to confirm.

The system will then return to the Route Options menu, where further waypoints may be added if desired. To add a waypoint between two other waypoints, touch the **Add** soft key between them. When all waypoints have been added, select **Calculate** to calculate the route. When ready to begin the journey, select **Start**.

Waypoints may be added at any point in the journey by selecting **Waypoint** and following the above procedure.

CHANGING THE ORDER OF WAYPOINTS

To change the order of waypoints, select Waypoint, then select Edit. A list of waypoints in the current journey will be displayed. Select Change Location and it will change to Change Order. Touch the soft key again to highlight it, and then touch the waypoints in the order you would like to visit them. The order number will be displayed to the right of each waypoint. When satisfied with the new order, select OK to confirm. The new route will then be calculated. Numbers will be displayed next to Waypoints on the map to indicate their order in the journey. When ready to begin the journey, select Start.

PREVIEWING THE ROUTE

From the Route Options menu, it is possible to preview the chosen route, turn by turn.

A list of roads can be displayed, giving the opportunity to add road avoidance requests (if desired). From the Route Options menu, select **Route Preview**. A map is displayed, showing the current vehicle location. At the base of the screen, is a set of soft keys allowing you to play through the route as required.



Start preview playback



Jump to the next way point or destination



Fast forward through the preview (only available during playback)



Pause the preview playback



Preview the route in reverse, starting with the destination



Jump back to the start point



Fast reverse through the preview (only available during playback)

Note: If waypoints are included in the route, the preview will pause at each waypoint. To continue the preview, touch the appropriate preview control soft key.

VIEWING POINTS OF INTEREST (POI) IN PREVIEW MODE

While in preview mode, it is possible to view points of interest along the route. Select **Edit** (on the right of the preview) to display the Edit Route Preview options.

A list of selected POIs is displayed (e.g. fuel stations, restaurants, hotels, etc.). If the POI category required is not displayed, select **Other** to display a full list. Once a POI category has been selected, select **OK** to confirm.

Note: The route preview edit menu also allows other playback settings to be altered to the users preferred settings.

WHOLE ROUTE PREVIEW AND TURN LIST

To preview the entire route, from the Route Options menu, select Display Route. A start to finish preview of the entire route will be displayed.

A list of all the roads on the route, their designations, distance between turns, and the type of junction or turn will be displayed.

Select **Turn List** to display a list of all the roads on the route (it may be necessary to use the scroll soft keys to view the full list).

To avoid a particular road on the list, select **Street Avoid** to display a list of road names. Touch a street on the list to avoid it, then select **Yes** to confirm. To cancel a street avoid request once entered, touch the highlighted street name a second time.

When satisfied with all choices select **Re-route** to calculate the new route, then select **Start**.

STORING NEW LOCATIONS

To store a location, from the Navigation menu, select Stored Locations.

A number of different locations may be stored within the navigations system (e.g. a place of work, a road junction, a favourite restaurant or an area to avoid).

Up to 106 locations may be stored for future use, and six of those may be linked to the **Home** and 1-5 preset location soft keys at the bottom of the screen.

To add a location, select **Memory Points**, then select **Add**. The Store Memory Points page is displayed.

In this example, the M69 motorway exit onto the A5 major road will be stored. Select **Motorway Entry/Exit** to display the keyboard screen.

Add the motorway letter **M** on the keyboard, then select **0-9** to bring up the numeric keyboard, and enter the motorway number (e.g. **69**). Select **M69** motorway from the list to select it. Select **Exit** and a list of motorway exits on the M69 is displayed.

Use the arrow soft keys to scroll through the list and select **A5**.

A map screen is displayed with the fine tune arrows present. If required, fine tune the destination with the arrows and when satisfied, select **OK**.

Navigation system

The screen will return to the Memory Point menu. Before saving the location, further information can be added to the location, as follows:

- **Attribute:**

To add an attribute to the memory point, touch the attribute soft key.

This allows the memory point to be designated as your home address or some other memorable location, and remembered as one of the preset soft keys.

To set as a home address, touch the **Home** icon soft key at the top of the page.

***Note:** It is highly recommended that your actual home address is not stored as a memory point, but a point near to your home is stored. This prevents a thief locating your home in the event that the keys and vehicle are stolen.*

To set as one of the 5 preset keys described, touch a blank 1-5 soft key and enter a name for the memory point on the next screen. Then select **OK**.

If all the presets have memory points stored to them, go back to the Memory Points menu and delete one of the existing preset memory points using the **Delete** soft key.

- **Name:**

To add a name to a memory point, select **Name**. Enter the name using the keyboard and select **OK** to confirm.

***Note:** To change the name, you must first delete the entry.*

The name can be displayed on the navigation map by selecting **Show Name** on the memory point menu.

- **Location:**

The location of the memory point may be fine tuned using the location soft key. This will bring up the fine tune map screen with the fine tune arrows. Use this screen to alter the location, and when satisfied, select **OK** to confirm.

- **Icon:**

An icon and a sound bite may be added to the memory point using this soft key. If an icon is attached, it will be displayed on screen maps if it is within the display area. Any attached sound bite will be replayed as you approach the memory point.

On touching the **Icon** soft key, a menu will appear giving a choice of icons to attach. Select an icon or, if no suitable icon is present, select **No icon**.

To add a sound bite, select **With Sound**. Select a sound icon, then touch the **Play** icon to record the sound.

Once all additional information has been stored, select **OK** to store.

The display will return to the Memory Point menu, which can be selected for editing. When satisfied, select **Return** (bottom right hand corner of the screen) to return to the main Memory Points menu.

From this menu, memory points may be added to the other categories:

- Address.
- POI.
- Postcode.
- Map.
- Coordinates.
- Memory.
- Previous.
- Home.

The process used for adding memory points to the other categories is the same as that described above.

EDITING A MEMORY POINT

To edit a memory point, select **Edit** from the Memory Points menu.

Select the memory point to edit and edit using the same process as entering a new memory point.

DELETING A MEMORY POINT

To delete a memory point, select **Delete** from the Memory Points menu. Select the memory point you wish to delete by touching it. A confirmation screen will be displayed, select **Yes** to confirm. The display will return to the Memory Points menu.

To delete all memory points, select **Delete All** on the delete screen.

AVOID POINTS

Once a route has been selected, a single or a series of avoid points may be selected.

Once the avoid points are entered, the system will recalculate the route to avoid them.

To add avoid points, select **Avoid Points** and select **Add**. A destination screen is displayed, allowing a number of options for adding avoid points.

When the fine tune map screen is reached, use the arrows and zoom soft key to fine-tune your selection in the normal way. When satisfied, select **OK**.

The following screen allows the size of the avoided area to be set, use the **Reduce** and **Enlarge** soft keys to set the size of the area, and when finished, select **OK**.

A confirmation screen will be displayed and the area stored to the memory.

From the Avoid Points menu, the **Edit** and **Delete** soft keys can be used to adjust or remove an avoid point.

STORING A HOME LOCATION



When storing a home location, it is advisable to store an alternative location close to your home address. This is to avoid giving away your home address should the keys and vehicle be stolen.

The Home function allows a stored destination used frequently to be selected quickly and easily. Only one destination can be allocated as home.

From the Stored Locations menu select **HOME**, then select **Add**.

*Note: Select **Edit** to edit the details of the existing stored location, and select **Delete** to remove the existing stored location.*

Enter the home destination in the same as other destinations, adding attributes etc as desired.

POINTS OF INTEREST (POI)

To make selection easier, POIs are categorised into several different types or groups. Some POI groups also contain subgroups.

Any of the POIs can be selected as a destination or added to your route as a waypoint. An icon will be displayed on your route map next to any POIs that you add.

To cancel the display of a POI icon, touch the map screen display additional soft keys. Touch the **POI** soft key at the bottom of the screen to access the Quick POI Menu and select **POI Off**.

Navigation system

POI CATEGORIES AND SUB-CATEGORIES

The system has 8 main POI categories (listed below). When a category is selected from the POI Category screen, the navigation system will display the first 4 choices of that category in alphabetical order. Each category is accompanied by an icon for visual reference.

To list all options in a category, touch the **More** soft key, and select a category to view all available options.

Only POIs in the current search area will be displayed, except for the sub-categories marked **All Search Areas** in the POI category list.

CATEGORY LIST



Restaurants



Car



Leisure



Travel



Shopping



Hotel



Community



Others

CREATING A QUICK POI ICON

Quick POIs are frequently used POIs that are stored in a special quick access list. This allows them to be quickly selected when required. Up to 5 POIs may be stored.

To store a quick POI:

1. From the map guidance screen, touch anywhere on the map.
2. Touch the **POI** icon at the bottom of the screen.

***Note:** The POI soft key is only available if the zoom level is less than 1km (1/2 mile).*

3. Select the required category. If the category you require is not displayed, touch the **More** soft key to view all categories.
4. If required, scroll through the list to locate the required category, and touch it to highlight.
5. Repeat for other POIs you wish to add (up to 5), then touch **OK** to confirm.

SELECTING A QUICK POI AS A DESTINATION

During a journey, touch the **POI** soft key at the bottom of the screen, and then touch the required **Quick POI** icon.

CHANGING A QUICK POI ICON TO A NEW POI

To change one of the stored quick POI icons to a different POI:

1. Access the **Quick POI** screen, and select the one to be changed.
2. Touch the **Delete** soft key to remove it.
3. Select the new category you would like to add, and select **OK**.

RDS-TMC OVERVIEW

RDS-TMC allows traffic hold ups to be detected and displayed by the navigation system. It used a pre-determined radio station (known as the Traffic Master Channel or TMC) to receive this information.

The system will alert the driver to any roadworks, contra-flows, accidents etc., which may affect the current journey, in the following ways:

- A TMC event icon is shown on the map at the alert location.
- Text can be displayed showing the details of each alert.
- Voice guidance will describe the alert (if voice guidance is active).
- Dynamic route guidance will calculate and offer an alternative route.
- All alerts along the current route will be show in a list, sorted according to road name/distance along the route.

ACTIVATING RDS-TMC

To activate RDS-TMC, touch the RDS-TMC soft key on the main Menu. RDS-TMS may also be selected from the Navigation Setup menu.

To begin scanning for alerts, select **Change**. **Searching** will be displayed on the screen and when a suitable TMC radio station has been found, it will be displayed on the right of the screen. The system will continue to search for further TMC stations.

To stop the search at any time, select **Change** a second time. The list of available TMC stations will be displayed. To select a suitable station, touch its name on the list.

If no TMC station is available or selected, the TMC icon on the left of the screen will appear with a line through it.










RDS-TMC EVENT ICONS

TMC events will be displayed as warning icons on the map and a more detailed alert may be displayed. Voice guidance will also advise of the hold-up, when an event icon exists on the current route.

TMC data is stored in the system for up to 30 minutes.

The colour of the TMC icon changes in order to show the type and priority of a TMC event. Red is for a more serious event. Other colours are for events of less serious nature. Grey is used for information.

Note: TMC event icons will appear on the map, even if the event does not occur on the current route.

	Incident (Red)
	Moving Tailback Ahead (Red)
	Moving Tailback Both Carriageways (Red)
	Stationary Traffic Ahead (Red)
	Stationary Traffic Both Carriageways (Red)
	Incident (Yellow)
	Slow Traffic Ahead (Yellow)
	Slow Traffic Both Carriageways (Yellow)
	Information (Yellow)

Navigation system

	Other Hazard (Yellow)
	Slippery Road (Yellow)
	Diversion (Yellow)
	Roadworks (Pink)
	Narrow Road (Pink)
	Contraflow (Pink)
	Accidents (Pink)
	Parking Information (Grey)
	Information (Grey)
	Congestion (Red)

In normal map mode, while the map scale is between 50 m and 4 km (1/32 mile and 2 miles) and when an event icon is displayed, further information can be viewed by touching the event icon.

The map will zoom in on the event icon and another icon is displayed to identify the nature of the event (e.g. road works).

A message box appears at the top of the screen. Touch the **Info** soft key to display further detail of the traffic event.

Touch the **Return** soft key to return to the map guidance screen.

USING ALTERNATIVE ROUTE GUIDANCE

When an event warning is received the system will calculate an alternative route. The new route will include any way points already set.

If the event will seriously affect progress and the original route was not set within the previous 5 minutes, a message asking for new route confirmation will be displayed for up to 10 minutes. When confirmed, the alternative route map is displayed.

USING VOICE GUIDANCE WITH RDS-TMC

With voice guidance activated, the system will give audible notification of traffic events during the journey (they are disabled at the destination).

To repeat the voice guidance message, touch the TMC alert icon.

After the vehicle passes the event, the next event on route will be displayed.

ROUTE TRAFFIC EVENT LIST

During a journey, touch the **Traffic on Route** soft key to generate a traffic event list for that journey.

The traffic event list will identify the cause of each event, the road that the event is affecting and the distance to the event. To view more detail about an event or to view a map of the event area, select the relevant **Detail** or the **Map** soft key alongside the event list.

If the vehicle is not on the highlighted route, a pop-up error message is displayed.

NEARBY TRAFFIC EVENTS

When the **All Traffic Events** soft key is touched, all nearby traffic events are listed.

Up to 20 events can be shown in distance order from the current vehicle position. Use the scroll arrows if required.

While the list is being displayed the information will not update.

Further information will be displayed when a road is selected.

Touching the **Map** or **Detail** soft keys will display detailed information.

CUSTOMISING TMC INFORMATION

To edit which TMC alerts are displayed, touch the **Show TMC Information** soft key.

Touch the categories to highlight (orange) the traffic events required. Use the arrow soft keys to scroll through the list.

Alternatively, select **All On** or **All Off** to highlight all or none of the options.

When satisfied with the selection, select **OK** to confirm.

AREA SURVEILLANCE

This feature allows up to 3 frequently travelled areas to be monitored for slow or stationary traffic. The information can be viewed at any time, and the vehicle does not need to be in or near the area.

RDS-TMC must be available in the selected area and TMC must be enabled in order to display TMC events.

To activate area surveillance, from the RDS-TMC menu, select **Surveillance Setting**, and select **Add**.

Choose any of the available methods to select a surveillance area. Setting the location of a surveillance area is similar to entering a destination or way point.

If you select **Map**, you can position the area accurately by zooming in. Save the surveillance area to one of the three tabs. The map will then display the saved area.

ACCESSING A SURVEILLANCE POINT

To access a surveillance area, touch one of the surveillance icons on the map guidance screen. Select the surveillance point you wish to view.

The chosen surveillance point is displayed. Any traffic events will appear as icons on the map.

- Select **Set Destination** to set the surveillance point as the destination or as a way point.
- Select **POI** to view POIs in the locality of the surveillance point.
- Select the marker pin soft key to set the surveillance point as a memory point.

Touch the **Reset Map** icon at the top of the screen to return to normal map mode.

OFF-ROAD NAVIGATION

If available, Off-Road Navigation is accessed by touching the soft key on the navigation home screen.

Off-road navigation maps are similar to the on-road maps but have additional features and information, such as a large compass display, heading, altitude, latitude and longitude etc.

When switching to off-road navigation mode during on-road guidance, the current highlighted route will be removed from the map and on-road guidance will be suspended.

Way points and destination icons will remain displayed. The destination is marked with a double circle.

Navigation system

When exiting off-road guidance, the system recalculates the route and reverts to on-road guidance.

Note: *TMC is not available in off-road navigation mode.*

NEW ROUTE

From the off-road navigation main menu, the New Route soft key allows the following route entry methods:

- Map.
- Previous.
- Memory.
- Distance and Bearing.
- Coordinates.
- Off Road Points.

Entering destinations is achieved using the same methods as on-road navigation mode.

LOAD ROUTE

Load route allows a previously stored off-road route to be recalled in the same manner as on-road stored route. Touching the **Load Route** soft key will bring up a list of stored routes, touch the desired route to select. When loading a route, the current vehicle location is stored as the starting point, shown as the letter **S** on the map screen.

ROUTE OPTIONS

The **Route Options** soft key allows access to the following commands:

- **Cancel Route:**
Allows a selected route to be cancelled. Touch the soft key to cancel guidance. All waypoints and icons will be removed.
- **Display whole route:**
The whole route can be displayed during guidance mode. It shows the total mileage of each section and updates as the vehicle position changes.
A backward or return route can be made at any time. All way point icons of the original route are reset and the system draws straight lines between them.
The original start point is now designated as the destination point and way points are numbered in countdown order.
- **Display way point list:**
Off-road navigation way points are shown in numerical order. The nearest way point is the last in the list. A maximum of 35 way points can be stored.
During a forward route, the way point with the smaller number is nearest on the guidance display. During a backward or return route the smaller number is furthest away.
The bearing (e.g. R170) and distance (e.g. 1 mile) is a reference to the next way point. The bearing is the angle between the previous heading and the next way point. The displayed information is continuously updated.
While the list is shown, if the destination is reached, the system first changes to the map screen and then shows the pop-up for arrival at destination.

- **Skip Way point:**
While on a route this soft key can be selected to skip the next way point. Guidance will then be given to the following way point.
- **Trace Points:**
If **Current Trace Point** is selected via **Route Options**, trace point icons are automatically placed along a route as it is traversed. They are useful to backtrack along the route if required.
Adjustments to trace point operation can be made via the same screen. After selecting the **Current Trace Point** option, changes can be made to any registered trace point route.
Select one of the options, and make changes as required (e.g. trace points can be edited, renamed, turned off or deleted).

EDIT ROUTE

These menu items are identical in operation to the On Road menus.

A maximum of 20 off-road routes can be stored. When the maximum is reached the **New Route** soft key will no longer be active.

VOICE CONTROL OF THE NAVIGATION SYSTEM

Many of the navigation features can be activated by voice control. To use voice control, briefly press the voice button on the steering wheel and after the tone, speak one of the system commands. Navigation commands must be preceded with the word NAVIGATION.

In response to your command, the system will repeat your instruction and then either carry out your command or ask for more information. If the system asks for more information, wait until the tone has sounded before replying.

To cancel a voice control session, press and hold the steering switch.

The voice control system understands pre-defined commands which must be spoken word for word. A list of all navigation voice commands is given in the following table.

Some of the navigation responses are reinforced by text messages appearing in the message centre display.

Navigation system

Voice command	System response
NAVIGATION HELP	Gives spoken information about the navigation commands.
NAVIGATION VOICE GUIDANCE ON	Switches on voice guidance for a set route.
NAVIGATION VOICE GUIDANCE OFF	Switches off voice guidance for a set route.
NAVIGATION SHOW MAP	Displays the navigation map on the touch screen
NAVIGATION SHOW TURN LIST GUIDANCE	Lists forthcoming junctions and turn directions on the split screen.
NAVIGATION SHOW CURRENT POSITION	Shows current position of vehicle on the map.
NAVIGATION SHOW DESTINATION	Shows a route preview and allows you to fast forward to the end.
NAVIGATION SHOW ENTIRE ROUTE MAP	Shows complete route.
NAVIGATION SHOW ARROW GUIDANCE	Changes right-hand side of split screen to show arrow guidance directions.
NAVIGATION SHOW CROSSROADS GUIDANCE	When a crossroads is within 500 metres (1640 feet), the crossroad guidance directions will be displayed. If there are no crossroads, a voice message There are no nearby crossroads on the set route will be given.
NAVIGATION SHOW MOTORWAY GUIDANCE	When travelling on a motorway, changes right-hand side of split screen to show the remaining motorway exits, and their numbers, up to the required exit for the route.
NAVIGATION DUAL MAP MODE	Displays split screen view.
NAVIGATION SINGLE MAP MODE	Shows full screen map.
NAVIGATION SHOW NORTH UP	Changes orientation of the map so that North is at the top of the screen.
NAVIGATION SHOW HEADING UP	Changes orientation of the map so that the vehicle is always heading up the screen. A compass in the top left-hand corner will point to North.
NAVIGATION SHOW RIGHT MAP NORTH UP	Changes orientation of the right-hand map so that North is at the top of the screen.
NAVIGATION SHOW RIGHT MAP HEADING UP	Changes orientation of the right-hand map so that the vehicle is always heading up the screen.
NAVIGATION ZOOM IN MAXIMUM	Displays the map (left-hand map in split screen mode) at the maximum magnification.
NAVIGATION ZOOM OUT MAXIMUM	Displays the map (left-hand map in split screen mode) at the minimum magnification.

Navigation system

Voice command	System response
NAVIGATION RIGHT MAP ZOOM IN MAXIMUM	In split screen mode, displays the right-hand map at the maximum magnification.
NAVIGATION RIGHT MAP ZOOM OUT MAXIMUM	In split screen mode, displays the right-hand map at the minimum magnification.
NAVIGATION ZOOM LEVEL (plus number 1 to 13)	Enables magnification of the map (left-hand map in split screen mode), e.g. voice command Navigation zoom level eleven . Increments between 1 and 13 can be made.
NAVIGATION ZOOM IN (plus number 1 to 12)	Allows zooming in on the map (left-hand map in split screen mode). If the current zoom level is five, the voice command Navigation zoom in two , will cause the system to zoom in to level three. Increments between 1 and 12 can be made.
NAVIGATION ZOOM OUT (plus number 1 to 12)	Allows zooming out on the map (left-hand map in split screen mode). If the current zoom level is five, the voice command Navigation zoom out two , will cause the system to zoom out to level seven. Increments between 1 and 12 can be made.
NAVIGATION RIGHT MAP ZOOM IN (plus number 1 to 12)	Allows zooming in on the right-hand map. If the current zoom level is five, the voice command Navigation zoom in two , will cause the system to zoom in to level three. Increments between 1 and 12 can be made.
NAVIGATION RIGHT MAP ZOOM OUT (plus number 1 to 12)	Allows zooming out on the right-hand map. If the current zoom level is five, the voice command Navigation zoom out two , will cause the system to zoom out to level seven. Increments between 1 and 12 can be made.
NAVIGATION GO HOME	Sets the destination to your currently set Home. Home location can be stored using the Stored locations option, available from the Navigation menu on the touch screen.
NAVIGATION GO TO NAME	The system will respond with Name please and you can specify a previously stored nametag either as a destination or a way point.
NAVIGATION GO TO PREVIOUS DESTINATION	Allows you to specify a previously stored destination either as a new destination or a way point. If you are following route guidance and this is the last destination set, this will be your current destination.
NAVIGATION GO TO PREVIOUS STARTING POINT	Allows you to specify the start point of a previous route either as a destination or a way point. If you are following route guidance and this is the last start point set, this will be your current start point.

Navigation system

Voice command	System response
NAVIGATION SHOW (* add word) WAY POINT MAP	Displays the way point asked for, provided it has been set. *Add word - NEXT, 1ST, 2ND, 3RD, 4TH or 5TH.
NAVIGATION DELETE NEXT WAY POINT	Deletes the next way point from the route and recalculates the route if appropriate.
NAVIGATION DETOUR	Prompts the navigation to propose a detour in the current route. This takes effect from your current position and the length of the detour can be specified in Route Preferences.
NAVIGATION DETOUR ENTIRE ROUTE	Prompts the navigation to offer one of the alternative routes calculated for the current destination.
NAVIGATION CANCEL GUIDANCE	Cancels route guidance.
NAVIGATION AVOID MAJOR ROADS	Routes are calculated avoiding major roads.
NAVIGATION PREFER MAJOR ROADS	Major roads are included when routes are calculated.
NAVIGATION AVOID TOLL ROADS	Routes are calculated avoiding toll roads.
NAVIGATION PREFER TOLL ROADS	Toll roads are included when routes are calculated.
NAVIGATION AVOID FERRIES	Routes are calculated avoiding ferries.
NAVIGATION PREFER FERRIES	Ferries are included when routes are calculated.
NAVIGATION PLAY DIRECTORY	Prompts a voice message giving all the navigation nametags. This can be interrupted by pressing the voice control button and, after the tone, saying REPLAY , GO TO , DELETE or CANCEL .
NAVIGATION DELETE DIRECTORY	Delete the entire directory of navigation nametags.
NAVIGATION MARK CURRENT POSITION	Marks the vehicle's current position as a memory point.
NAVIGATION DYNAMIC ROUTE GUIDANCE ON	Switches on dynamic route guidance.
NAVIGATION DYNAMIC ROUTE GUIDANCE OFF	Switches off dynamic route guidance.
NAVIGATION SHOW TRAFFIC INFORMATION	Displays Traffic information.
NAVIGATION HIDE TRAFFIC INFORMATION	Hides Traffic information.

Navigation system

Voice command	System response
NAVIGATION STORE NAME	<p>Allows you to store nametags as way points or destinations. Each nametag must meet the following criteria:</p> <ul style="list-style-type: none"> • Be spoken in more than 0.4 seconds, but less than four seconds. • Not similar to any other nametag. • Once stored, you must always speak the name in the same manner as during storage. <p>If the criteria is not met, the system will supply one of the following feedback:</p> <ul style="list-style-type: none"> • Name too short, new name please. • Name too long, new name please. • (nametag) sounds too much like (another nametag). • The names entered are different, new name please.
NAVIGATION (plus POI from list)	<p>With the map magnification at 1 km (0.6 mile) or less, this command allows up to five selections from the POI list.</p> <ul style="list-style-type: none"> • Petrol • Petrol station • Parking • Town centre • Hotel • Hospital • Golf course • Shopping centre • Restaurant • I'm hungry • Tourist information • Motorway services • Land Rover dealer - not Australia • Police station - Australia only <p>If more than five are selected, the message Navigation POI off is given. Clear your current selection to allow further POIs to be displayed.</p>
NAVIGATION POI OFF	Hides all the POI icons.

Navigation system

END USER LICENCE AGREEMENTS

Please read this agreement carefully before using the Navigation System.

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The DATABASE reflects reality as existing before you received the DATABASE and it comprises data and information from government and other sources, which may contain errors and omissions. Accordingly, the DATABASE may contain inaccurate or incomplete information due to the passage of time, changing circumstances, and due to the nature of the sources used. The DATABASE does not include or reflect information on - inter alia - neighbourhood safety, law enforcement, emergency assistance, construction work, road or lane closures, vehicle or speed restrictions, road slope or grade, bridge height, weight or other limits, road or traffic conditions, special events, traffic congestion or travel time.


EUROPEAN DECLARATION OF CONFORMITY



Hereby, DENSO CORPORATION declares that this DN-NS-019 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Tyre repair kit

TYRE REPAIR KIT

-  If you are in any doubt regarding your ability to carry out the instructions, contact your Dealer/Approved Repairer before attempting the repair.







Your vehicle may not be equipped with a spare tyre. If this is the case, your vehicle will be fitted with a Land Rover tyre repair kit which can be used to repair one tyre. It is essential that you read the following guide before attempting to repair a tyre.


The tyre repair kit seals most punctures with a maximum diameter of 6 mm (1/4 inch).

The tyre repair kit is located in the rear underfloor storage compartment.

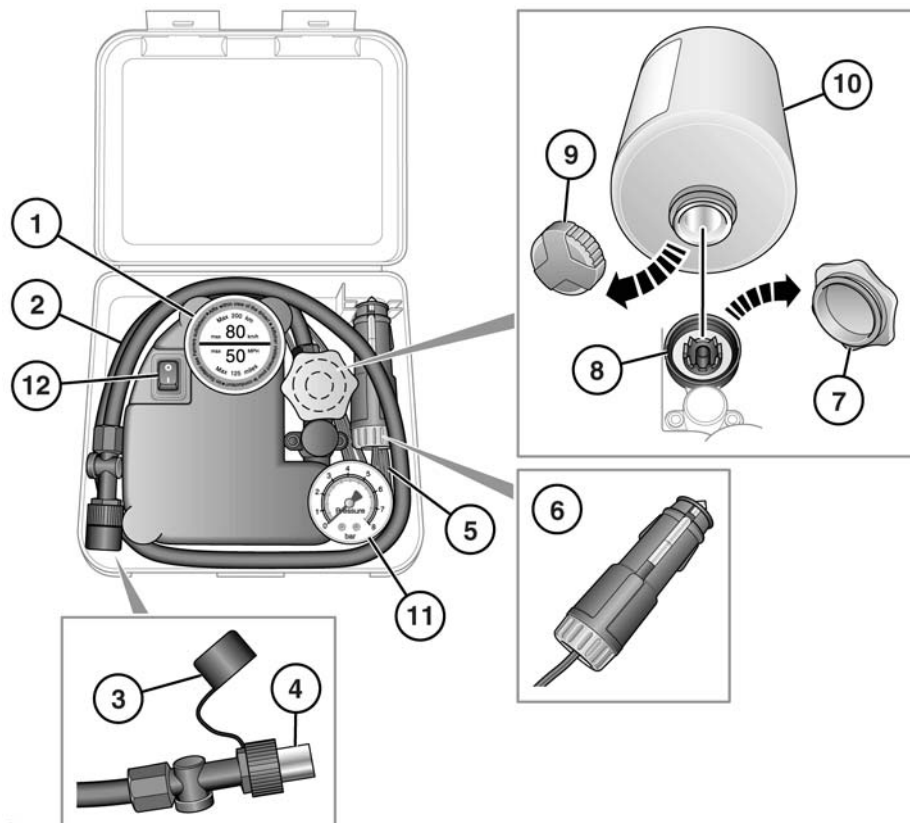
Note: The sealant used in the tyre repair kit has a shelf life, and the expiry date is shown on the top of the bottle. Ensure that the bottle is replaced before the expiry date.

SAFETY INFORMATION

-  Some tyre damage may only be partially sealed, or may not seal at all, depending on the amount and type of damage. Any loss of tyre pressure can seriously affect vehicle safety.
-  Do not use the tyre repair kit if the tyre has been damaged by driving while under inflated.
-  Only use the tyre repair kit to seal damage located within the tyre tread area.
-  Do not use the tyre repair kit to seal damage to the tyre sidewall.
-  Do not exceed 80 km/h (50 mph) when a repaired tyre is fitted to the vehicle.
-  The maximum distance that should be driven when a repaired tyre is fitted, is 200 km (125 miles).

-  When a repaired tyre is fitted, drive with caution and avoid sudden braking or steering manoeuvres.
-  Only use the tyre repair kit for the vehicle with which it was supplied.
-  Do not use the tyre repair kit for any other purpose than tyre repair.
-  Never leave the tyre repair kit unattended when in use.
-  Only use the tyre repair kit within the -30°C to +70°C temperature range.
-  Always keep children and animals at a safe distance from the tyre repair kit when in use.
-  Do not stand directly beside the compressor when it is operating.
-  Check the tyre sidewall prior to inflation. If any cracks, damage, or deformities are apparent do not inflate the tyre.
-  Watch the tyre sidewall during inflation. If any cracks, damage, or deformities are apparent switch off the compressor, and deflate the tyre.

TYRE REPAIR KIT










SL1452

1. Maximum speed label. 80 km/h (50 mph).
2. Tyre inflation hose.
3. Inflation hose protective cap.
4. Inflation hose connector.
5. Compressor power cable.
6. Power cable connector.
7. Sealant bottle receiver cap (orange).
8. Sealant bottle receiver.
9. Sealant bottle cap.
10. Sealant bottle.
11. Tyre pressure gauge.
12. Compressor on/off switch. (**I** = on, **O** = off).


Tyre repair kit

USING THE REPAIR KIT

-  Avoid skin contact with the sealant which contains natural rubber latex. Do not unscrew the sealant bottle from the receiver until it is empty, as sealant will leak out.
-  If the tyre inflation pressure does not reach 1.8 bar (26 psi) within seven minutes, the tyre may have suffered excessive damage. A temporary repair will not be possible, and the vehicle should not be driven until the tyre has been replaced.
-  Before attempting a tyre repair, ensure that the vehicle is parked safely, as far away from passing traffic as possible.
-  Ensure that the parking brake is applied, and P is selected if an automatic transmission is fitted.
-  Do not attempt to remove foreign objects such as nails, screws, etc. from the tyre.
-  Always run the engine when using the compressor, unless the vehicle is in an enclosed, or poorly ventilated space.
-  To prevent overheating do not operate the compressor continuously for longer than ten minutes.

Note: All vehicle drivers and occupants should be made aware that a temporary repair has been made to a tyre fitted to the vehicle. They should also be made aware of the special driving conditions imposed when using a repaired tyre.

REPAIR PROCEDURE

-  Check the tyre sidewall prior to inflation. If there are any cracks, bumps or similar damage, do not attempt to inflate the tyre. Do not stand directly beside the tyre while the compressor is pumping. Watch the tyre 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 tyre.
1. Open the tyre repair kit and peel off the maximum speed label. Attach the label to the fascia in the driver's field of view. Take care not to obstruct any of the instruments or warning lights.
 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.
 - Screwing the bottle onto the receiver will pierce the bottle's seal.
 5. Remove the valve cap from the damaged tyre.
 6. Remove the protective cap from the inflation hose, and connect the inflation hose to the tyre valve. Ensure that the hose is screwed on firmly.
 7. Ensure that the compressor switch is in the off (O) position.
 8. Insert the power cable connector into an auxiliary power socket. See **66, AUXILIARY POWER SOCKETS**.
 9. Unless the vehicle is in an enclosed area, start the engine.

10. Set the compressor switch to the on (I) position.
11. Inflate the tyre to a minimum of 1.8 bar (26 psi) and a maximum of 3.5 bar (51 psi).
 - When pumping the sealant through the tyre valve, the pressure may rise up to 6 bar (87 psi). The pressure will drop again after approximately 30 seconds.
12. During the inflation, switch the compressor off briefly to check the tyre pressure using the gauge mounted on the compressor.
 - It should not take longer than seven minutes to inflate the tyre. If after seven minutes the tyre has not reached the minimum pressure, the tyre should not be used.
13. Once the tyre has been inflated, switch off the compressor. If desired, the engine may be turned off after the compressor has been turned off.
14. Remove the power connector from the auxiliary power socket.
15. Remove the inflation hose from the tyre valve by unscrewing it as quickly as possible (anticlockwise).
16. Replace the inflation hose protective cap, and the tyre valve cap.
17. Do not remove the sealant bottle from the receiver.
18. Ensure that the tyre repair kit (including the bottle, and receiver caps) are placed securely in the vehicle. You will need to use the kit to check the tyre pressure after 3 km (2 miles) so ensure they are easily accessible.
19. Immediately drive the vehicle for 3 km (2 miles) to allow the sealant to coat the inner surface of the tyre and form a seal at the puncture.

CHECKING THE TYRE PRESSURE AFTER A REPAIR



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 tyre, and check its pressure. If there are any signs of damage or deformity to the tyre, or the tyre pressure is below 1.3 bar (19 psi), do not continue driving.



Consult a tyre repair centre, or your Dealer/Authorised Repairer for advice concerning the replacement of a tyre after using a tyre repair kit.

1. Drive the vehicle for 3 km (2 miles) then stop in a safe place. Carry out a visual examination of the tyre's condition.
2. Remove the protective cap from the inflation hose.
3. Screw the inflation hose connector firmly onto the tyre valve.
4. Read the tyre pressure from the gauge.
5. If the pressure of the sealant filled tyre is above 1.3 bar (19 psi) adjust the pressure to the correct value.
6. Ensure that the compressor switch is in the off position (O), and insert the power cable connector into an auxiliary power socket.
7. If the vehicle is in a well ventilated area, start the engine.
8. Switch on the compressor (I), and inflate the tyre to the correct pressure.




Tyre repair kit

9. To check the tyre pressure turn off the compressor then read the pressure from the gauge.
10. When the compressor is off, if the tyre pressure is too high, release the required amount of pressure using the pressure relief valve.
11. Once the tyre is inflated to the correct pressure, switch off the compressor and remove the power plug from the auxiliary socket.
12. Unscrew the inflation hose connector from the tyre valve, replace the tyre valve cap and the inflation hose connector protective cap.
13. Do not remove the sealant bottle from the receiver.
14. Ensure that the tyre repair kit (including the bottle, and receiver caps) are placed securely in the vehicle.
15. Drive to the nearest tyre repair centre, or Land Rover Dealer/Authorised Repairer, for a replacement tyre to be fitted. Ensure that you make the repair centre aware that the tyre repair kit has been used before the tyre is removed.
16. Both the tyre inflation hose, and the sealant bottle should be replaced once a new tyre has been fitted.





Only sealant bottles which are completely empty should be disposed of with normal household waste. Sealant bottles which contain some sealant, and the tyre inflation hose, should be disposed of by a tyre specialist, or your Land Rover Dealer/Authorised Repairer, in compliance with local waste disposal regulations.

SAFETY PRECAUTIONS

-  **Avoid exposing the fuel gasses to any potential sources of ignition as the resulting fire and explosion may cause serious injuries and/or death.**
-  **Switch off the engine when refuelling, as it is both a source of extreme temperatures, and electrical sparks.**
-  **Switch off any personal electronic devices such as mobile phones or music players.**

PETROL ENGINED VEHICLES



-  Do not use leaded fuels, lead substitutes, or fuel additives.
-  Fuel system cleaning agents should not be used, unless approved by Land Rover.

OCTANE RATING

The minimum octane rating for fuel used is 95 RON. The vehicle will run on lower ratings, but it may cause pronounced engine knock or pinking. If the pinking is severe it can cause damage to the engine, fuel and emission control systems.


Note: *Occasional, light, engine knock experienced while accelerating or climbing hills is acceptable.*

ETHANOL

-  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 fuel system damage will occur.

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

-  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 3% 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 Land Rover, 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

These fuels are specially formulated to further reduce vehicle emissions. Land Rover fully supports all efforts to protect and maintain ambient air quality, and encourages the use of reformulated gasoline where available.

Fuel and refuelling

DIESEL ENGINED VEHICLES

Land Rover recommends that only premium brand diesel fuels are used.

Note: Land Rover vehicles are capable of running with up to a 5% blend of bio-diesel in accordance with European Standard EN590.

SULPHUR CONTENT

- ⚠ If your vehicle is fitted with a Diesel Particulate Filter (DPF) the maximum Sulphur content must not exceed 0.005%. Using an incorrect fuel will cause serious damage to the DPF.

The Sulphur content of diesel used in Land Rover vehicles should not exceed 0.3% (3000 parts per million).

In some countries diesel will contain higher levels of Sulphur, which will require reduced service intervals to reduce the effects on engine components. If in doubt contact a local Land Rover Dealer/Authorised Repairer for advice.

RUNNING OUT OF FUEL

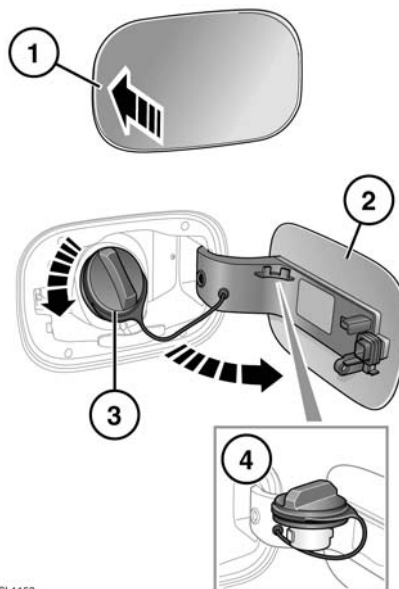
- ⚠ Avoid running out of fuel. Doing so can cause damage to the vehicle's engine, fuel, and emission control systems.

If the vehicle does run out of fuel, a minimum of 4 litres (0.8 gallons) will be required to restart the engine. The vehicle will need to be driven 1.6-5 km (1-3 miles) in order to reset the engine management and monitoring systems.

Note: If the vehicle does run out of fuel, seeking qualified assistance is advisable.

FUEL FILLER FLAP

- ⚠ Take note of all warnings and instructions given on the label affixed to the inside of the filler flap.








SL1153

The fuel filler flap is located on the right-hand side of the vehicle, at the rear.

1. Ensure that the vehicle is fully unlocked, and press the left side of the flap to open.
2. Open the flap fully.
3. Twist the cap anticlockwise to undo.
4. Use the retaining clip to keep the filler cap out of the way whilst fuelling.

Fuel and refuelling


FUEL FILLER

-  **When refuelling ensure that all windows, doors, and sunroof are fully closed, particularly if young children or animals are in the vehicle.**
-  **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.**
-  **Do not operate the auxiliary heater when refuelling the vehicle. Doing so may cause fuel vapours to combust causing a fire/explosion.**
-  Check the fuel pump information carefully, to ensure that you are putting the correct fuel into the vehicle.
-  If the vehicle is filled with incorrect fuel it is essential that you seek qualified assistance before you start the engine.

Filling 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. Do not attempt to fill the tank beyond this point.

Note: *Filling station pumps used for diesel commercial vehicles deliver fuel at a higher rate than normal. The higher fill rate can cause premature cut-off and may cause fuel spillage. Therefore, it is recommended that only standard light vehicle pumps are used.*

WATER IN DIESEL FUEL SENSOR

-  If the warning **WATER IN FUEL SEE HANDBOOK** is displayed in the message centre, an excessive amount of water has collected in the fuel filter bowl. Seek assistance from a Land Rover Dealer/Authorised Repairer to have the filter drained as soon as possible.


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 refuelling 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):	
Petrol engines	86 litres (19 gallons)
Diesel engines	82 litres (18 gallons)


FUEL SPECIFICATION

Petrol	Diesel
91-98 RON	EN 590

-  Diesel vehicles in Algeria, Egypt, Libya, Morocco, India, Pakistan and Tunisia must only use premium diesel fuel.

Fuel and refuelling

DIESEL MISFUEL PROTECTION DEVICE

 **When the misfuelling device is activated, it may cause fuel to be discharged from the filler neck.**

Note: It is the driver's responsibility to fill the vehicle with the correct fuel. The diesel misfuel protection device only reduces the risk of filling the vehicle with the incorrect fuel.

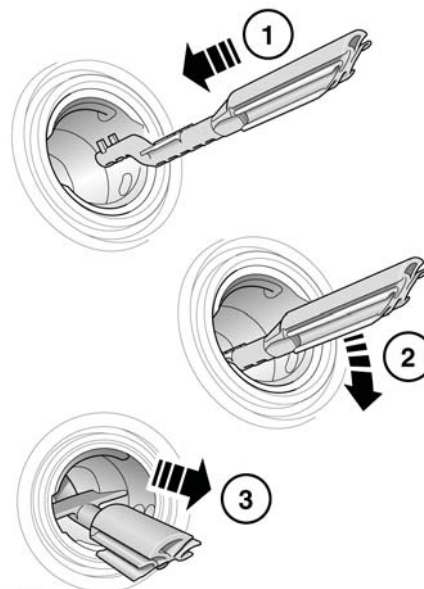
Diesel engine vehicles in some markets are equipped with a misfuelling protection device, incorporated into the fuel filler neck.

If the narrow filler nozzle fitted to pumps delivering unleaded petrol is fully inserted into the filler neck, the misfuel protection device will activate.

Note: The filler spout on some fuel cans and older fuel pumps may trigger the misfuelling device.


When activated, the yellow misfuel protector will be visible inside the filler neck. It will prevent fuel flow into the tank. Before fuelling can continue with the correct fuel, the device will need to be reset.

The reset tool is located in the luggage compartment.



Reset the misfuel protection device as follows:

1. Insert the reset tool (with the teeth uppermost) as far as it will go into the filler neck.
2. Locate the teeth by pushing down the top of the reset tool.
3. With the top of the tool pressed down and the teeth engaged, slowly pull the tool out of the filler neck to reset the device.

 Do not twist the device, once the teeth have engaged.

Note: The yellow part of the protection device should no longer be visible in the filler neck.

Return the reset tool to the luggage compartment.

FUEL CONSUMPTION

The fuel consumption figures shown below have been calculated using a standard testing procedure (the new EC test procedure from Directive 99/100/EC), and produced in accordance with The Passenger Car Fuel Consumption (Amendment) Order 1996.

Under normal use, a vehicle's actual fuel consumption figures may differ from those achieved through the test procedure, depending on driving technique, road and traffic conditions, environmental factors, vehicle load and condition.

Variant	Urban	Extra-urban	Combined	CO2 emissions
	l/100 km (mpg)	l/100 km (mpg)	l/100 km (mpg)	g/km
2.7 Diesel (manual)	11.1 (25.4)	8.1 (34.9)	9.2 (30.7)	244
2.7 Diesel (automatic)	13.1 (21.6)	8.5 (33.2)	10.2 (27.7)	270
3.0 Diesel	11.2 (25.2)	8.3 (34.0)	9.3 (30.4)	244
V6 Petrol	21.0 (13.5)	11.9 (23.7)	15.2 (18.6)	359
V8 Petrol	19.8 (14.3)	10.7 (26.5)	14.1 (20.1)	328

URBAN CYCLE

The urban test cycle is carried out from a cold start and consists of a series of accelerations, decelerations and periods of steady speed driving and engine idling. The maximum speed attained during the test is 50 km/h (30 mph) with an average speed of 19 km/h (12 mph).

EXTRA-URBAN CYCLE

The extra-urban test cycle is carried out immediately after the urban test. Approximately half of the test comprises steady speed driving, while the remainder consists of a series of accelerations, decelerations and engine idling. The maximum test speed is 120 km/h (75 mph) and the average speed 63 km/h (39 mph). The test is carried out over a distance of 7 km (4.3 miles).

COMBINED

The combined figure is an average of the urban and extra-urban test cycle results, which has been weighted to take account of the different distances covered during the two tests.

For additional information on fuel consumption figures and exhaust emissions, visit the Vehicle Certification Agency (VCA) website at <http://www.vcacarfueldata.org.uk/>.



Maintenance

DISABILITY MODIFICATIONS

Occupants with disabilities which may require modification of the vehicle, must contact a Dealer/Authorised Repairer before any modifications are made.

SERVICE INTERVALS

An upcoming service interval will be notified to the driver via the Driver Information Module, as either a distance or time left until 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.

SERVICE PORTFOLIO

Ensure your service provider signs and stamps the book after each service and inspection.

AIRBAG SYSTEM



The components that make up the airbag 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 airbag module.

To prevent malfunction of the airbag system always consult your Dealer/Authorised Repairer before fitting any of the following:

- Electronic equipment such as a mobile phone, two-way radio or in-car entertainment 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 airbag system components, including the steering wheel, steering column, instrument or fascia panels.
- Any modification to the fascia panels or steering wheel.

ANTI-THEFT SYSTEM



No modifications or additions should be made to the anti-theft system. Such changes could cause the system to malfunction.

OWNER MAINTENANCE



Any significant or sudden drop in fluid levels, or uneven tyre wear, should be reported to a qualified technician without delay.

In addition to the routine maintenance, a number of simple checks must be carried out more frequently.

DAILY CHECKS

- Operation of lamps, horn, direction indicators, wipers, washers and warning lamps.
- Operation of seat belts and brakes.
- Look for fluid deposits underneath the vehicle that might indicate a leak.

WEEKLY CHECKS

- Engine oil level.
- Engine coolant check.
- Brake/clutch fluid level.
- Power steering fluid level.
- Screen washer fluid level.
- Tyre 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.

DRIVING IN ARDUOUS CONDITIONS

When a vehicle is operated in extremely arduous conditions, more frequent attention must be paid to servicing requirements.

Arduous driving conditions include:

- Driving in dusty and/or sandy conditions.
- Driving on rough and/or muddy roads and/or wading.
- Driving in extremely hot/cold conditions.
- Towing a trailer or driving in mountainous conditions.
- Driving in areas using road salt or other corrosive materials on the driving surface.

Contact a Land Rover Dealer/Authorised Repairer for advice.

EMISSION CONTROL

Your vehicle is fitted with various items of emission and evaporative control equipment, designed to meet specific territorial requirements. You should be aware that unauthorised replacement, modification or tampering with this equipment by an owner or repair shop, may be unlawful and subject to legal penalties.

In addition, engine settings must not be tampered with. These have been established to ensure that your vehicle complies with stringent exhaust emission regulations. Incorrect engine settings may adversely affect exhaust emissions, engine performance and fuel consumption. They may also cause high temperatures, which will result in damage to the catalytic converter and the vehicle.

DIESEL PARTICULATE FILTER (DPF)


The Diesel Particulate Filter (DPF) forms part of the emissions reduction system fitted to your vehicle. The DPF will remove a high proportion of the harmful carbon microspheres (soot) before they leave the exhaust. It achieves this by filtering out the particles, which are then stored until they are burnt away and the filter is emptied.

DPF FULL SEE HANDBOOK - If this message appears the driver should carry out the DPF regeneration procedure as soon as possible.

DPF FULL VISIT DEALER - If this message appears the vehicle should be taken to your Dealer/Authorised Repairer as soon as possible.

Maintenance

DPF REGENERATION PROCEDURE

-  The regeneration procedure produces high temperatures in the DPF. Heat can be felt radiating from beneath the vehicle, which is normal. The heat generated could be sufficient to start a fire when in close proximity to combustible material such as long dry grass, paper etc.

If **DPF FULL SEE HANDBOOK** appears in the message centre, carry out the following procedure.

Note: At all times during this procedure you should observe all relevant speed limits, laws, and regulations.

1. Drive the vehicle until the engine reaches normal operating temperature. The engine should not be left idling to achieve working temperature.
2. Drive the vehicle for a further twenty minutes, keeping the vehicle at a constant speed between 75 km/h (45 mph) and 120 km/h (75 mph).

Note: Keeping a constant speed enables the DPF to regenerate more efficiently. It is therefore recommended that cruise control is used to achieve this, if possible.








3. If regeneration is successful the warning message will disappear. If the message remains, repeat the process.

Note: If the warning message remains after following the regeneration process three times, contact your Dealer/Authorised Repairer for assistance.




ROAD TESTING DYNAMOMETERS (ROLLING ROADS)

It is essential that any dynamometer testing is carried out only by a qualified person, familiar with the dynamometer testing and safety procedures practised by Land Rover Dealers/ Authorised Repairers.

SAFETY IN THE GARAGE

-  If the vehicle has been driven recently, do not touch the engine, exhaust and cooling system components until the engine has cooled.
-  Never leave the engine running in an unventilated area - exhaust gases are poisonous and extremely dangerous.
-  Do not work beneath the vehicle with the wheel changing jack as the only means of support.
-  Keep your hands and clothing away from drive belts, pulleys and fans. Some fans may continue to operate or start operating after the engine has stopped.
-  Remove metal wrist bands and jewellery, before working in the engine compartment.
-  Do not touch electrical leads or components while the engine is running, or with the starter switch turned on.
-  Do not allow tools or metal parts of the vehicle to make contact with the battery leads or terminals.

FUEL SYSTEM

-  Under no circumstances should any part of the fuel system be dismantled or replaced by anyone other than a suitably qualified vehicle technician.
-  Ensure sparks and naked lights are kept away from the engine compartment.
-  Wear protective clothing, including, where practicable, gloves made from an impervious material.


POISONOUS FLUIDS

Fluids used in motor vehicles are poisonous and should not be consumed or brought into contact with open wounds.

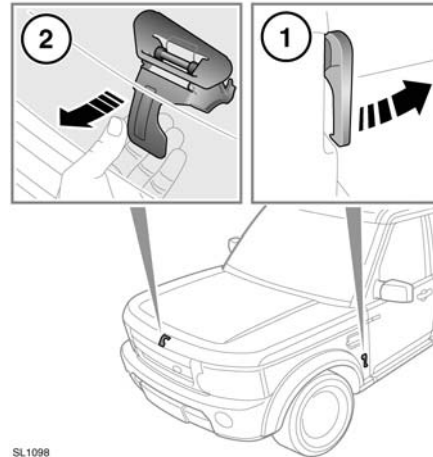
For your own safety, always read and obey all instructions printed on labels and containers.

USED ENGINE OIL

Prolonged contact with engine oil may cause serious skin disorders, including dermatitis and cancer of the skin. Always wash thoroughly after contact.

-  It is illegal to pollute drains, water courses or soil. Use authorised waste disposal sites to dispose of used oil and toxic chemicals.

OPENING THE BONNET



SL1098

1. Pull the bonnet release lever, located in the left-hand front footwell.
2. Lift the bonnet safety catch lever, located below the centre point of the bonnet, then raise the bonnet.

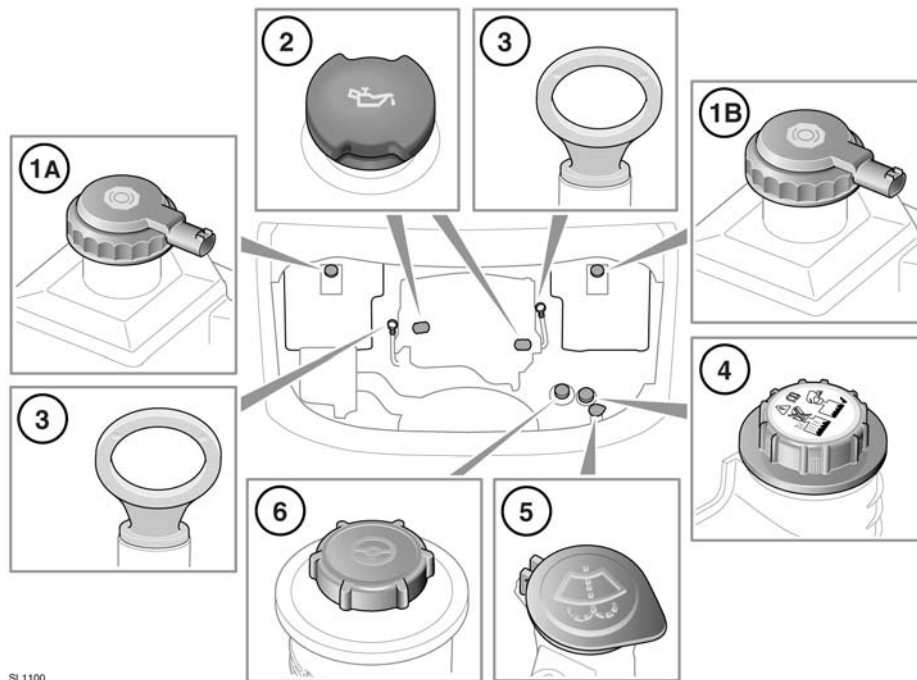
CLOSING THE BONNET

-  **Do not drive with the bonnet retained by the safety catch alone.**

1. Lower the bonnet until the safety catch engages. Using both hands, press the bonnet down until the catches click.
2. Check that both catches are engaged, by trying to lift the front edge of the bonnet.

Maintenance

ENGINE COMPARTMENT OVERVIEW - 2.7 V6 DIESEL AND V6 PETROL



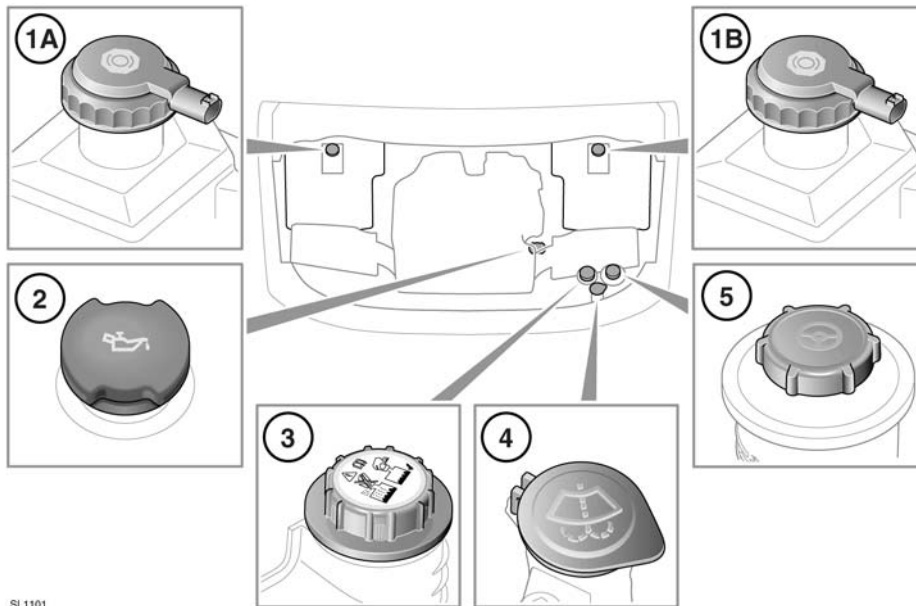
SL1100

1. Brake fluid reservoir cap:
 - A. Right-hand drive vehicles.
 - B. Left-hand drive vehicles.
2. Engine oil filler cap.
3. Oil level dipstick.
4. Engine coolant filler cap.
5. Windscreen washer fluid filler cap
6. Power steering fluid filler cap.



Do not drive if there is a possibility that leaked fluid will come into contact with a hot surface, such as the exhaust.

ENGINE COMPARTMENT OVERVIEW - 3.0 V6 DIESEL AND V8 PETROL



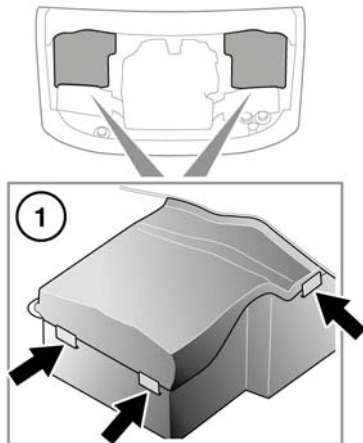
SL1101

1. Brake fluid reservoir cap:
 - A. Right-hand drive vehicles.
 - B. Left-hand drive vehicles.
2. Engine oil filler cap.
3. Engine coolant filler cap.
4. Windscreen washer fluid filler cap.
5. Power steering fluid filler cap.

⚠ Do not drive if there is a possibility that leaked fluid will come into contact with a hot surface, such as the exhaust.

Maintenance

UNDER BONNET COVERS - REMOVAL



1. Press the tabs to release the cover from the casing.

Note: Releasing the inboard tab on the front edge of the cover first will make it easier to release the remaining tabs.

2. Lift the front edge of the cover and slide forwards to remove.

UNDER BONNET COVERS - REFITTING

- ⚠ Before refitting the underbonnet covers, ensure that no pipes, cables or other items, have been trapped between the cover and casing.

1. Slide the rear edge of the cover under the rubber trim fitted to the scuttle panel.
2. Make sure the front edge of the cover is flush to the casing, and then press down until the cover clicks into place.

BLOCKED WASHER JETS

- ⚠ Do not operate the washer jets during unblocking or adjustment. Windscreen 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. The washer jet position may also be adjusted by inserting the point of a needle into the jet and gently repositioning it.

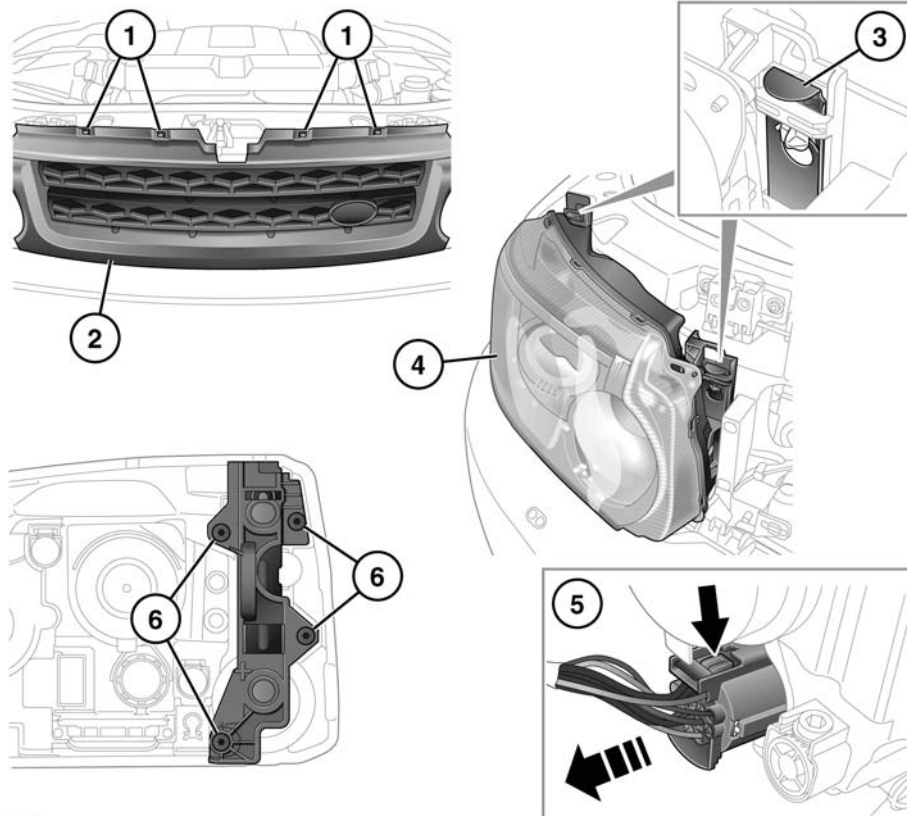
CHANGING A BULB

- ⚠ Before attempting a bulb change, ensure that the ignition and the affected lamp are turned off.
- ⚠ Always replace bulbs with the correct type and specification. If you are in any doubt contact your Land Rover Dealer/Authorised Repairer for advice.

Note: In certain territories it is a legal requirement to carry spare bulbs. A replacement bulb kit is available as an approved accessory from your dealer.

Note: After replacing a headlamp bulb, headlamp alignment should be checked with the appropriate equipment.

HEADLAMP REMOVAL



SL1114

! Do not place the removed lamp unit face down on hard or abrasive surfaces. Doing so may scratch the surface of the lens.

1. Press down on the four upper clips, and gently pulling the grille forwards.
2. Lift the grille clear of the vehicle and place where it will not be damaged.
3. Carefully lever up the locking tabs securing the rear of the headlamp. Hold the headlamp in position while doing so.

4. Holding the front of the lamp, lift forwards and clear of the body.

Note: The locking tabs (3) can be levered too far up, preventing the headlamp being released. If this happens ease the tabs down until the headlamp can be moved forward.

5. Disconnect the electrical connector from the back of the unit and remove the unit from the vehicle.

Maintenance

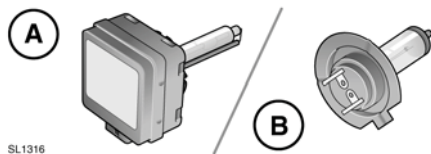
Note: Place face down on a flat surface covered in a soft material to prevent damage to the units lenses

- To access the direction indicator, static bending lamp and side lamp, the headlamp unit locking slide assembly must be completely removed from the unit.

To remove the slide assembly, remove the four screws (arrowed). When refitting the slide, do not overtighten the screws.

Note: Refitting the headlamp unit is the reverse of removal.

HEADLAMP - BULB IDENTIFICATION








SL1316

- A. Xenon bulb.
- B. Halogen bulb.

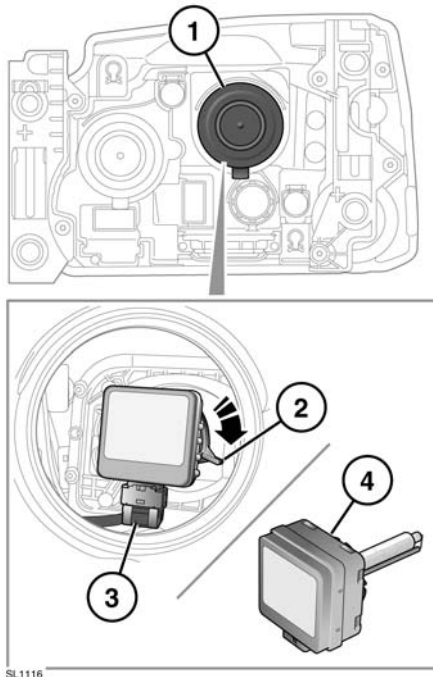
HALOGEN BULBS

Dependent on vehicle specification, halogen bulbs may be used for high beam, low beam, and front fog lamps. Take care not to touch the glass part of the bulb with your fingers; always use a cloth to handle the bulb. If necessary use methylated spirits to remove finger prints.

XENON LAMPS

-  Replacement or maintenance of Xenon lamps should only be carried out by suitably qualified personnel.
-  High voltage is required to ignite the gas and metal vapour which are used to power Xenon lamps. Contact with this voltage can cause serious injury.
-  Xenon lamp units operate at a very high temperature. Ensure that the lamp units have cooled before attempting to touch them.
-  Xenon lamp units contain Mercury which is highly toxic, and can be extremely harmful.
-  Seek advice about the correct disposal of Xenon lamp units from a Land Rover Dealer/Authorised Repairer, or your local authority.

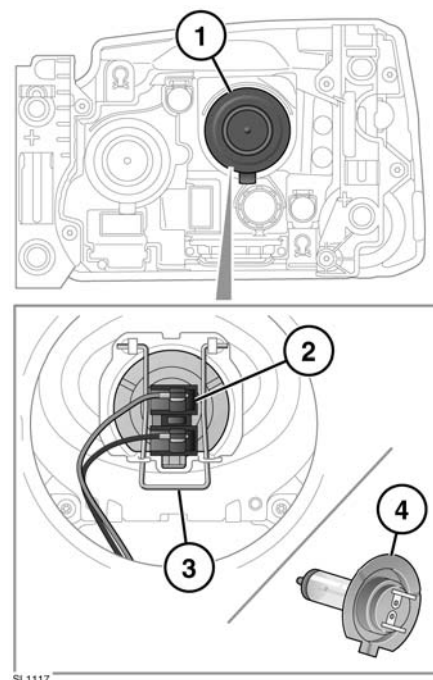
XENON HEADLAMP BULB



1. Twist and lift off the domed cap.
2. Rotate the collar securing the bulb to the lamp and release the bulb.
3. Pull off the electrical connector.
4. Remove bulb unit.
5. Insert the new bulb unit and reverse the above procedure. Ensure that the lugs on the cap are in contact with the bulb base.

HEADLAMP BULB - HALOGEN LOW BEAM

! Take care not to touch this type of bulb with your fingers; always use a cloth to handle them. If necessary, clean the bulb with methylated spirits to remove fingerprints.

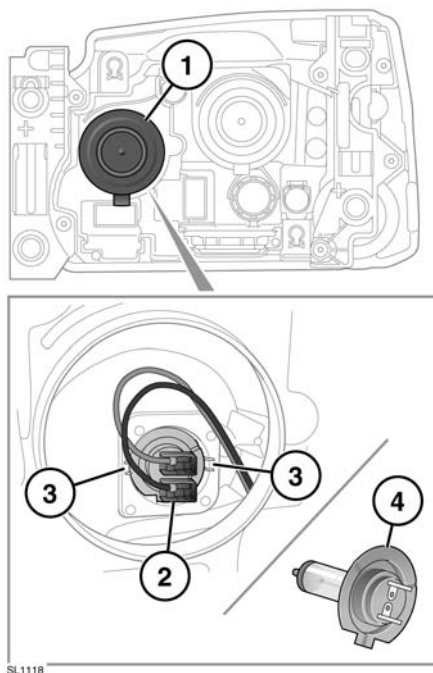


1. Twist and lift off the domed cap.
2. Pull off the electrical connector.
3. Release the spring clip securing the bulb to the lamp.
4. Remove the bulb.
5. Insert the new bulb and repeat the above procedure in reverse order.

Maintenance

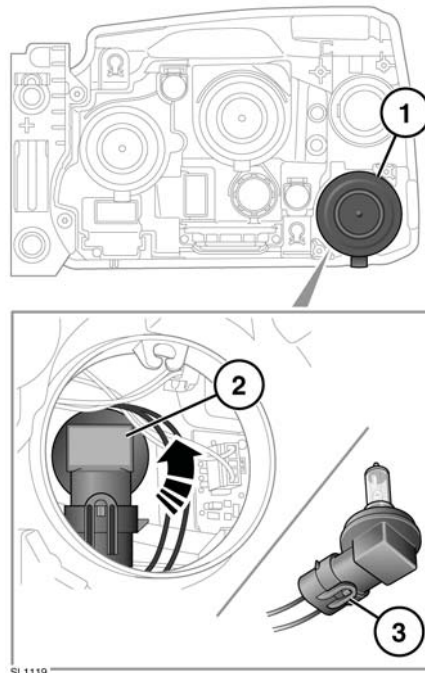
HEADLAMP BULB - HALOGEN HIGH BEAM

- ⚠ Take care not to touch this type of bulb with your fingers; always use a cloth to handle them. If necessary, clean the bulb with methylated spirits to remove fingerprints.



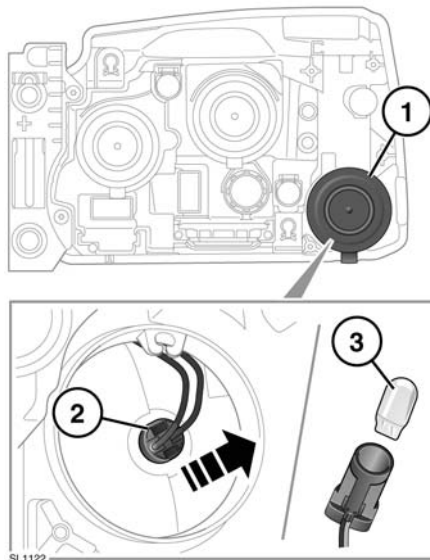
1. Twist and lift off the domed cap.
2. Pull off the electrical connector.
3. Release the bulb from the retaining tags and remove bulb.
4. Insert the new bulb and repeat the above procedure in reverse order.

STATIC BENDING BULB



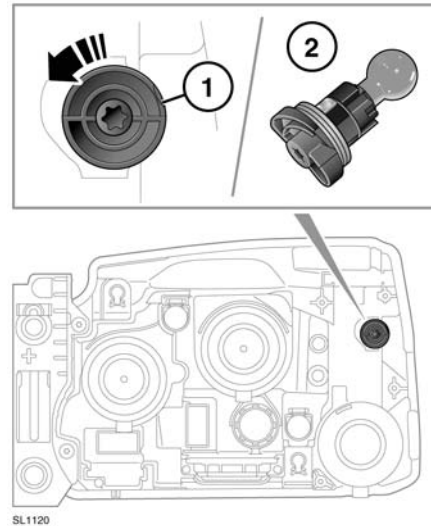
1. Twist and lift off the domed cap.
2. Rotate bulb holder and release from lamp.
3. Lift the tab and disconnect the electrical connector to remove.

SIDE LAMP BULB



1. Twist and lift off the domed cap.
2. Press the two tabs and pull bulb holder from lamp.
3. Pull bulb from holder to remove.

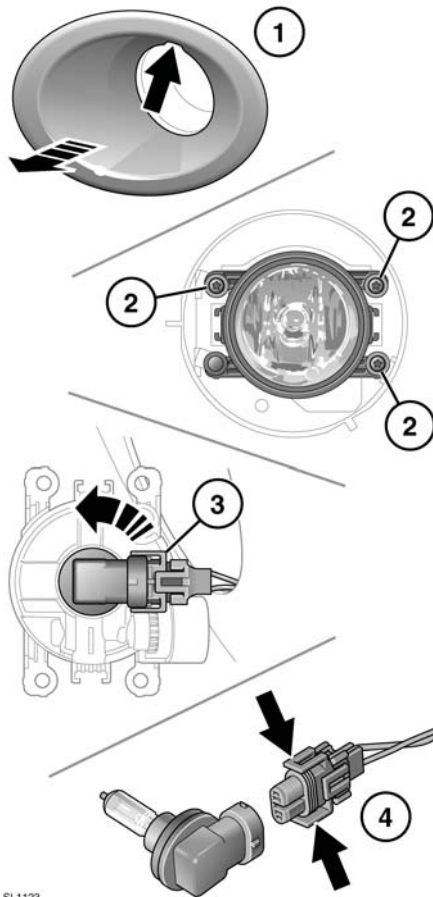
INDICATOR BULB



1. Rotate the bulb holder 45 degrees anticlockwise.
2. Remove the bulb assembly from the lamp. Push and twist to remove the bulb.

Maintenance

FRONT FOG LAMP BULB

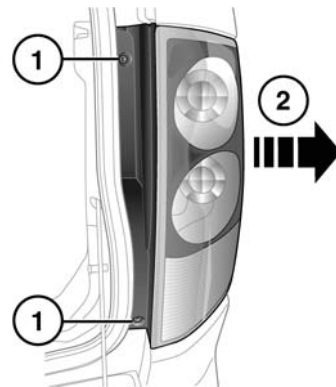


SL1123

1. Using the finger slot at the top of the lamp surround, pull to remove.
2. Undo the three retaining screws, and remove the lamp unit.
3. Rotate the bulb holder (anticlockwise) and remove from the lamp unit.
4. Press the two clips together, and remove the electrical connector.

REMOVING A REAR LAMP

To change any of the rear bulbs, it is necessary to completely remove the lamp unit from the vehicle.

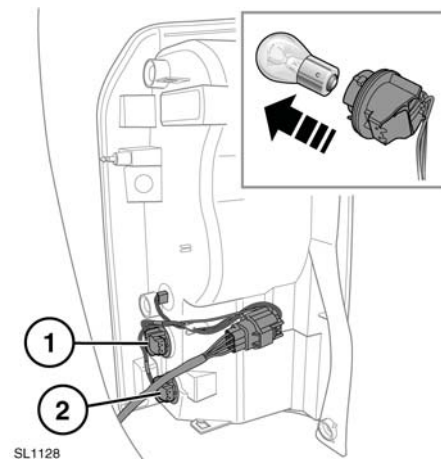


SL1126

1. With the tailgate open, remove the two screws from the inner edge of the unit.
2. Pull the unit carefully away from the vehicle.
3. Disconnect the electrical connector and remove the unit from the vehicle. Place face down on a flat surface covered in soft material to prevent damage.
4. Refitting the lamp unit is the reverse of removal.

CHANGING REAR LAMP BULBS

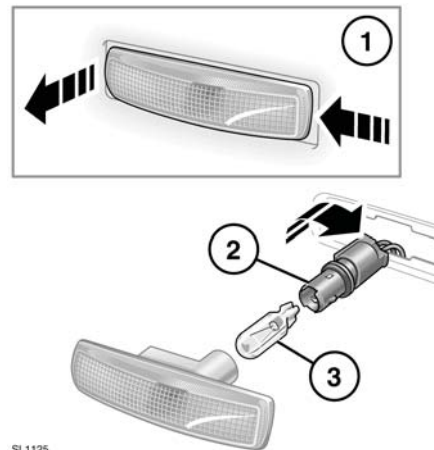
Note: The direction indicator lamp, stop lamp, and tail lamp are LED units, and cannot be serviced.



1. Reversing lamp
2. Rear fog lamp.

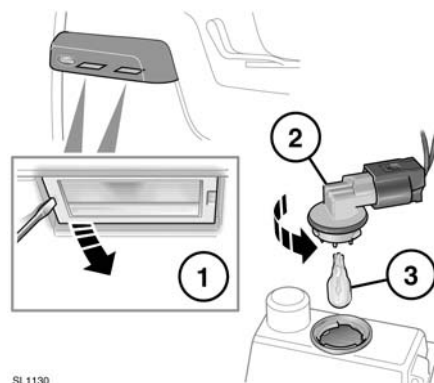
Twist the relevant bulb unit and pull to access the bulb. Push, twist and pull to remove the bulb.

SIDE REPEATER LAMP BULB



Follow the steps illustrated. Insert a new bulb and refit the components.

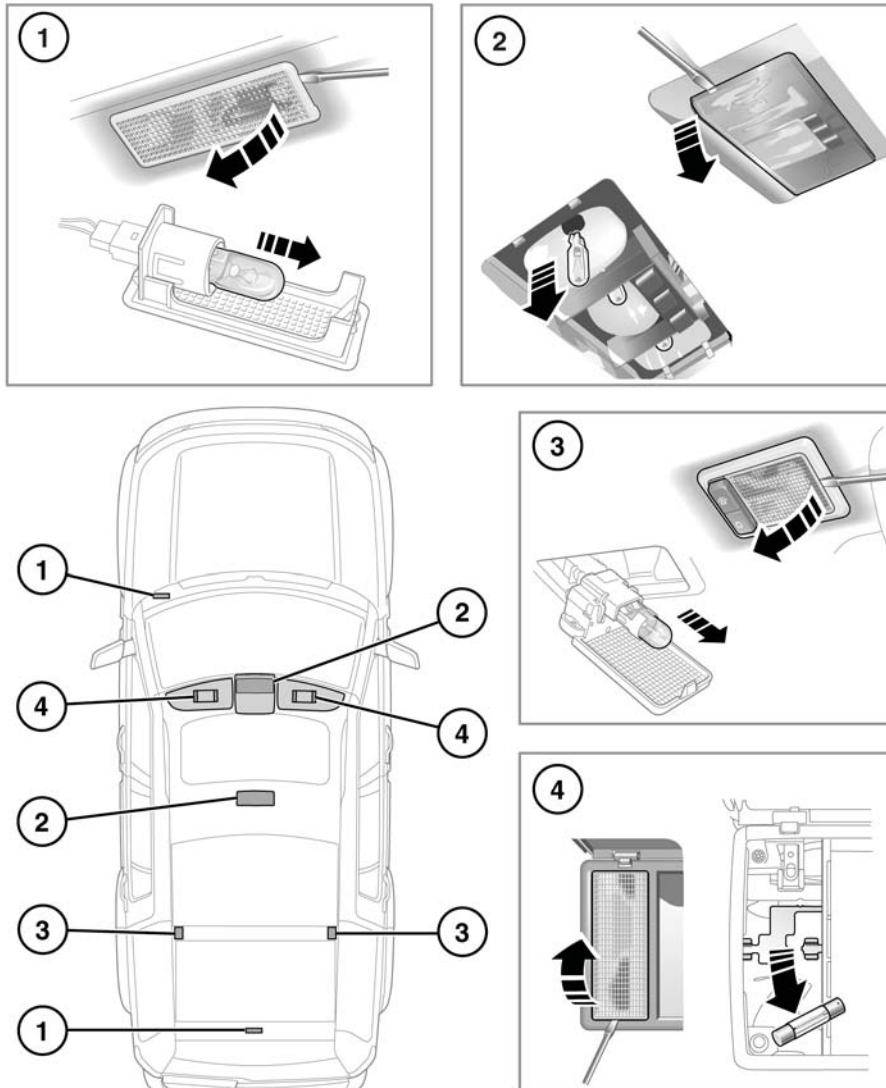
LICENCE PLATE LAMP BULB



Follow the steps illustrated. Insert a new bulb and refit the components.

Maintenance

INTERIOR LAMPS - BULB CHANGING



SL1149

Follow the steps illustrated. Insert a new bulb and refit the components.

1. Footwell and puddle lamps.
2. Courtesy lamp and map lamps.
3. Rear courtesy lamps.
4. Vanity mirror lamps.

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 1 second.
3. Repeat the procedure on each window.

SUNROOF RESET

If the battery is disconnected or the power supply is interrupted whilst the sunroof is partially open, it will need to be recalibrated.

Once the battery is reconnected or the power supply is restored, recalibrate the sunroof as follows:

1. Switch the ignition on.
2. With the sunroof closed, press and release the front of the switch. The sunroof will move to the tilted position.
3. Press the front of the sunroof switch and hold for 20 seconds.
4. After 20 seconds, the sunroof will begin to move. Keep the front of the switch pressed until the fully open/close cycle has completed.
5. Once the sunroof has stopped moving, release the switch.

The sunroof can now be operated as normal.

SERVICE DATA RECORDING

Service data recorders in your vehicle are capable of collecting and storing diagnostic information about your vehicle. This potentially includes information about the performance or status of various systems and modules in the vehicle such as engine, throttle, steering or brakes.

In order to properly diagnose and service your vehicle, Land Rover and service and repair facilities may access vehicle diagnostic information through a direct connection to your vehicle.

PARTS AND ACCESSORIES



The fitting of non-approved parts and accessories, or the carrying out of 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.



Land Rover will not accept any liability for death, personal injury or damage to property which may occur as a direct result of fitment of non-approved accessories or the carrying out of non-approved conversions to Land Rover vehicles.

Maintenance

CLEANING THE EXTERIOR

- ⚠ Remove any heavy deposits of mud and dirt with a hose, before washing the vehicle.
- ⚠ Never aim the water jet directly at the engine air intake, heater air intakes, body seals (doors, sunroof, windows etc.) or at any components which may be damaged (lights, mirrors, exterior trim etc.).
- ⚠ Do not use a power wash system in the engine bay area.
- ⚠ Following cleaning of the vehicle exterior (particularly with a pressure washer), it is recommended that the vehicle is taken for a short drive to dry out the brakes.
- ⚠ Substances which are corrosive, such as bird droppings, can damage the vehicle's paintwork and should be removed as soon as possible.
- ⚠ Use only cleaning products approved for use on vehicles.
- ⚠ Do not apply polish to any unpainted areas of bumper mouldings. It will become ingrained in the textured finish.

UNDERBODY MAINTENANCE

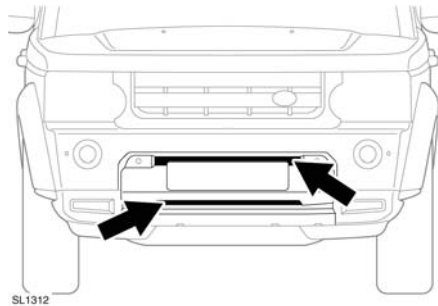
Regularly flush the underbody with plain water, and pay particular attention to areas where mud and debris collect.

If damage or corrosion are detected, have the vehicle checked by a Land Rover Dealer/Authorised Repairer as soon as possible.

CLEANING AFTER OFF-ROAD DRIVING

- ⚠ Ensure that the areas around air intakes and the front grille are clean and clear of debris. Pay particular attention to the lower grille and radiator. Failure to do so may cause the engine to overheat, leading to severe engine damage.

Ensure that the vehicle underside is cleaned as soon as possible after driving off-road.



Using a hose pipe, direct clean water through the front bumper (where shown), to remove mud on the radiator and air conditioning condenser.

CLEANING THE INTERIOR

- ⚠ **Some cleaning products contain substances that are harmful and can cause health problems if used incorrectly and may cause damage to the interior.**

PLASTIC AND CLOTH



Do not polish the instrument panel. Polished surfaces are reflective, and may interfere with the drivers view.

Clean plastic or cloth faced surfaces with warm water and non-detergent soap. Then wipe clean with a soft cloth.

LEATHER



Only use cleaning products specifically designed for use on leather. Do not use chemical, alcohol, or abrasive materials, as they will cause rapid deterioration of the leather. The use of products which are not approved will invalidate your warranty.



If you are in any doubt as to which products to use, consult your Land Rover Dealer/Approved Repairer.

Leather should be cleaned and protected at least every six months.

To prevent ingrained dirt and staining, inspect the seat upholstery regularly, and clean every 1 to 2 months as follows:

1. Wipe off fine dust from the seat surfaces using a clean, damp, non-coloured cloth. Avoid over wetting the leather.
2. 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.
3. Use Land Rover leather cleaner for heavily soiled areas. Dry off and rub the with a clean soft cloth, changing surfaces regularly.

Use Land Rover leather cleaner several times a year to maintain the leather's suppleness and appearance. The cleaner will nourish and moisturise and help to improve the surface protection film against dust and substances.

- Dark clothing may stain leather seats just like other upholstery products.
- Sharp objects such as belts, zippers, 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.

Note: *Some materials/fabrics are prone to dye transfer, which can cause unsightly discolouration of lighter coloured leathers. Affected areas should be cleaned and re-protected as soon as possible.*

SEAT BELTS



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 whilst fully extended.

Note: *Whilst cleaning the seat belt, take the opportunity to examine the webbing for damage/wear. Any wear or damage should be reported to, and rectified by, a Land Rover Dealer/Approved Repairer.*

Maintenance

AIRBAG MODULE COVERS



Airbag covers should only be cleaned using a slightly dampened cloth, and a small amount of upholstery cleaner.



Do not allow the airbag covers, or surrounding areas, to become contaminated with liquids. Any substance which enters the mechanism can prevent correct deployment of an airbag during an impact.

TOUCH SCREEN, INSTRUMENT PANEL AND AUDIO SYSTEM

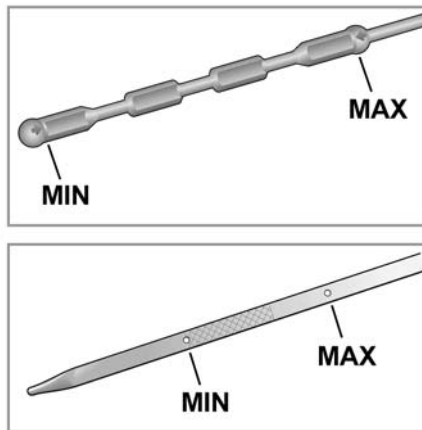
- Clean with a lightly moistened cloth.
- Do not use chemical agents or domestic cleaners.
- To prevent errors occurring, ensure that only one finger at a time is in contact with the touch screen.
- Do not use excessive pressure.
- Do not allow sharp, hard or abrasive objects to make contact with the touch screen.
- Avoid exposing the touch screen to direct sunlight for long periods.

ENGINE OIL - 2.7 DIESEL AND V6 PETROL ENGINES

- ⚠ Check the engine oil weekly. If any significant or sudden drop in oil level is noted, seek qualified assistance.

Check the oil level when the engine is cold and with the vehicle resting on level ground.

Note: *If it is necessary to check the oil level when the engine is hot, switch off the engine and let the vehicle stand for 5 minutes to allow the oil to drain back into the sump. Do not start the engine.*



SL1298

1. Withdraw the dipstick and wipe the blade clean with a lint free cloth.
2. Fully re-insert the dipstick and withdraw again to check the oil level. Never allow the oil level to fall below the lower mark or notch on the dipstick.

As a general guide, if the level on the dipstick:

- Is nearer to the upper mark or notch than the lower, add no oil.
- Is nearer to the lower mark or notch than the upper, add half a litre (one pint) of oil.

- Is below the lower mark or notch, add 1 litre (2 pints) of oil and re-check the level after a further 5 minutes.

ENGINE OIL - 3.0 DIESEL AND V8 PETROL ENGINES

- ⚠ Check the engine oil weekly. If any significant or sudden drop in oil level is noted, seek qualified assistance.
- ⚠ If the message **ENGINE OIL PRESSURE LOW** is displayed, stop the engine as soon as it is safe to do so and seek qualified assistance. Do not start the engine until the cause has been rectified.

Prior to checking the oil level ensure that:

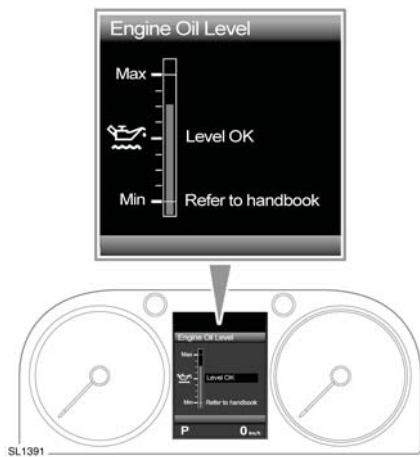
- The vehicle is on level ground.
- The engine oil has reached working temperature (oil is hot).
- The engine has been switched off for 10 minutes, as the system will not give an accurate reading until the oil level has stabilised.

The oil level can then be checked as follows:

1. Switch on the ignition (do not start the engine).
2. Ensure Park (**P**) is selected.
3. Select the **Service menu** using the driver information module menu control (see **58, VEHICLE INFORMATION AND SETTINGS 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.

Fluid level checks



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 Litre**). 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 1.5 litres (2.6 pints) of oil, then recheck the level.

If the message **Engine Oil Level Not Available** is displayed, the oil level is stabilising. 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.

TOPPING UP THE OIL

- ❗ Your vehicle warranty may be invalidated if damage is caused by using oil that does not meet the required specification.
- ❗ 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.
- ❗ 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.

1. Remove the oil filler cap.
2. Add oil as instructed by the dipstick display (3.0 Diesel and V8 Petrol engines) or to maintain the level between the **MIN** and **MAX** marks or notches on the dipstick (2.7 Diesel and V6 Petrol engines).
3. Clean up any oil spilled during topping-up.
4. Check the oil level again after 10 minutes (3.0 Diesel and V8 Petrol engines) or after 5 minutes (2.7 Diesel and V6 Petrol engines).

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.

Note: The approximate quantity of oil required to raise the level from **MIN** to **MAX** on the dipstick is 1.5 litres (2.6 pints) for all models.

ENGINE OIL SPECIFICATION

Model	Specification
V6 Petrol engine	Use only SAE 5W-30 engine oil, meeting WSS-M2C913-C specification only.
V8 Petrol engine	Use only 5W-20 oil meeting specification WSS-M2C925-A only.
Diesel engines	Use only 5W-30 oil meeting specification WSS-M2C934-B.

Land Rover recommends Castrol oils.

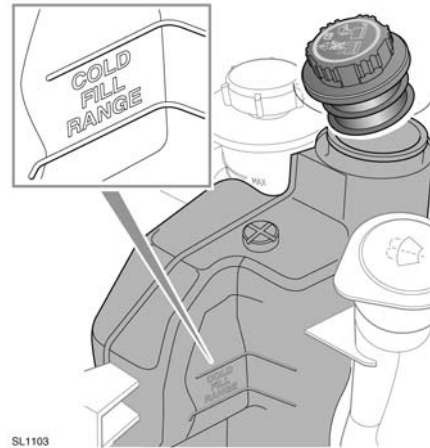
CHECKING THE COOLANT LEVEL

! Running the engine without coolant will cause serious engine damage.

The coolant level in the expansion tank should be checked at least weekly (more frequently in high mileage or arduous operating conditions). Always check the level when the system is cold.

Ensure the coolant level remains between the COLD FILL RANGE indicator marks located on the side of the expansion tank. Ignore any coolant visible in the top section of the tank.

If 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.



SL1103

TOPPING UP THE COOLANT

- !** Never remove the filler cap when the engine is hot - escaping steam or scalding water could cause serious personal injury.
- !** Avoid spilling antifreeze onto a hot engine - a fire may result.
- !** Unscrew the filler cap slowly, allowing the pressure to escape before removing completely.
- !** When travelling 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 of the COLD FILL RANGE located on the side of the expansion tank. Use only a 50% mix of water and Castrol SF antifreeze.


Fluid level checks


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.

ANTIFREEZE

 Antifreeze is poisonous and can be fatal if swallowed - keep containers sealed and out of the reach of children. If accidental consumption is suspected, seek medical attention immediately.

 If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.


 The use of non-approved antifreeze will have an adverse effect on the engine cooling system and therefore engine durability.


 Antifreeze 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.

Antifreeze contains important corrosion inhibitors. The antifreeze content of the coolant must be maintained at 50% \pm 5% all year round (not just in cold conditions). To ensure that the anti-corrosion properties of the coolant are retained, the antifreeze content should be checked once a year and completely renewed every ten years, regardless of distance travelled. Failure to do so may cause corrosion of the radiator and engine components.

The specific gravity of a 50% antifreeze solution at 20°C (68°F) is 1.068 and protects against frost down to -40°C (-40°F).


BRAKE/CLUTCH FLUID CHECK


 Brake fluid is highly toxic - keep containers sealed and out of the reach of children. If accidental consumption of fluid is suspected, seek medical attention immediately.

 If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.

 Take care not to spill the fluid onto a hot engine - a fire may result.

 Do not drive the vehicle with the fluid level below the MIN mark.

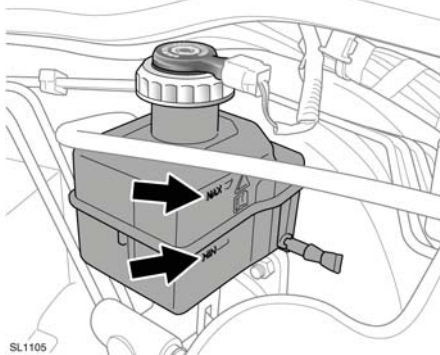
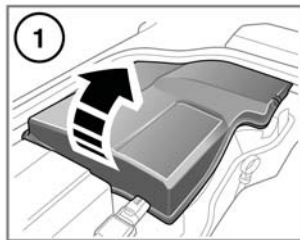
 Seek qualified assistance immediately if brake pedal travel is unusually long or if there is any significant loss of brake fluid. Driving under such conditions could result in extended stopping distances or complete brake failure.

 If the quantity of fluid in the brake/clutch reservoir drops below the recommended level, a red warning lamp in the instrument pack will illuminate.

Note: If the warning lamp illuminates 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.

With the vehicle on level ground, check the fluid level at least every week (more frequently in high mileage or arduous operating conditions).

Fluid level checks



The left hand or right hand under bonnet cover must be removed to check the brake fluid level, dependent on the vehicle being left-hand drive (left hand cover) or right-hand drive. See **186, UNDER BONNET COVERS - REMOVAL.**

Look at the fluid level through the side of the transparent reservoir without removing the filler cap.

The brake fluid must be between the **MAX** and **MIN** marks.






TOPPING UP THE FLUID

- ⚠ Brake 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.
- ⚠ Only use new fluid from an airtight container (fluid from opened containers or fluid previously bled from the system will have absorbed moisture, which will adversely affect performance, and must not be used).

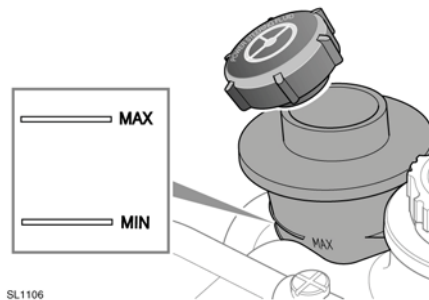
1. Clean the filler cap before removing to prevent dirt from entering the reservoir.
2. Remove the filler cap.
3. Top-up the reservoir to the **MAX** mark using Shell DOT4 ESL brake fluid. If Shell DOT4 ESL is not available, a low viscosity DOT4 brake fluid that meets ISO 4925 class 6 and Land Rover LRES22BF03 requirements may be used.
4. Replace the cap and reservoir cover.

Fluid level checks

POWER STEERING FLUID CHECK

-  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.
-  If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.
-  Do not start the engine if the fluid level has dropped below the **MIN** mark. Severe damage to the steering pump could result.
-  Seek qualified assistance immediately if there is a noticeable drop in the fluid level. Severe damage to the steering pump could result.
-  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, 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 FLUID


-  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.
 -  Do not fill the reservoir above the **MAX** mark.
1. Clean the filler cap before removing to prevent dirt from entering the reservoir.
 2. Remove filler cap.
 3. Using Texaco cold climate PAS fluid, top up the reservoir until the fluid level is between the **MIN** and **MAX** marks.
 4. Replace filler cap.

WASHER FLUID CHECK

 Some screen washer products are inflammable, particularly if high or undiluted concentrations are exposed to sparking. Do not allow screen washer fluid to come into contact with naked flames or sources of ignition.

 If the vehicle is operated in temperatures below 4°C (40°F), use a washer fluid with frost protection. In cold weather, failure to use a washer fluid with frost protection, could result in impaired vision and increase the risk of a vehicle crash.

 Do not use an antifreeze or vinegar/water solution in the washer reservoir - antifreeze will damage painted surfaces, while vinegar can damage the windscreen washer pump.

 Body panels may suffer discolouration as a result of screen washer fluid spillage. 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.

TOPPING UP THE FLUID

The washer reservoir supplies both front and rear screen washer jets and headlamp washer jets.

Check and top-up the reservoir level at least every week. Always top-up with screen washer fluid to prevent freezing.

Operate the washer switches periodically to check that the nozzles are clear and properly directed.

1. Clean the filler cap before removing to prevent dirt from entering the reservoir.
2. Remove filler cap.
3. Top-up the reservoir until the fluid is visible in the filler neck.
4. Replace filler cap.

Technical specifications

ENGINE DATA

	2.7 Diesel	3.0 Diesel	V6 Petrol	V8 Petrol
Capacity	2 720 cm ³	2 993 cm ³	3999 cm ³	5 000 cm ³
Firing order	1-4-2-5-3-6	1-4-2-5-3-6	1-4-2-5-3-6	1-5-4-2-6-3-7-8
Bore	81.0 mm	84.0 mm	100.4 mm	92.5 mm
Stroke	88.0 mm	90.0 mm	84.4 mm	93.0 mm
Number of cylinders	6	6	6	8
Compression ratio	17.3:1	16:1	9.7:1	11.5:1

LUBRICANTS AND FLUIDS

Part	Variant	Specification
Engine oil	Diesel vehicles	SAE 5W-30 meeting specification WSS-M2C934-B only. If unavailable, oil meeting specification ACEA:C2 can be used.
	V6 Petrol vehicles	SAE 5W-30 meeting specification WSS-M2C913-C only. If unavailable, oil meeting specification ACEA:A3/B3 can be used.
	V8 petrol vehicles	SAE 5W-20 meeting specification WSS-M2C925-A only.
Main gearbox oil	Manual transmission	Castrol MTF BOT338
Main gearbox oil	Automatic transmission	Shell ATF M1375.4
Transfer gearbox oil	All vehicles	Shell TF 0753
Front differential oil	All vehicles	SAF XO
Rear differential oil	Non-locking	SAF XO
Rear differential oil	Electronic Locking	Castrol SAF Carbon Mod Plus
Power steering fluid	All vehicles	Texaco Cold Climate PAS fluid
Brake fluid	All vehicles	Shell DOT4 ESL. If unavailable, a low viscosity DOT4 brake fluid that meets ISO 4925 class 6 and Land Rover LRES22BF03 requirements may be used.
Screen washer	All vehicles	Screen wash with frost protection
Coolant	All vehicles	50% mixture of Castrol SF antifreeze and water.

Technical specifications

CAPACITIES

Item	Variant	Capacity
Fuel tank (usable)	Diesel	82 litres (18 gallons)
	Petrol	86 litres (19 gallons)
Engine oil refill and filter change	Diesel	5.7 litres (10 pints)
	V8 Petrol	8.0 litres (14 pints)
	V6 Petrol	5.2 litres (9.1 pints)
Manual gearbox	All vehicles	1.6 litres (2.8 pints)
Automatic gearbox	All vehicles	Filled for life
Transfer box	All vehicles	1.5 litres (2.64 pints)
Front differential - wet fill	All vehicles	0.56 litres (1 pints)
Rear differential	Non-locking	1.1 litres (2 pints)
Rear differential	Electronic locking	1.6 litres (2.8 pints)
Washer reservoir	3.0 Diesel and V8 Petrol	5.6 litres (9.8 pints)
	2.7 Diesel and V6 Petrol	6.3 litres (11 pints)
Cooling system (refill)	2.7 Diesel	16.7 litres (29.4 pints)
	3.0 Diesel	11.5 litres (20.2 pints)
	V8 Petrol	17 litres (30 pints)
	V6 Petrol	10.8 litres (19 pints)

The quoted capacities are approximate and provided as a guide only. All oil levels must be checked using the dipstick, level plugs or driver information module, as applicable.

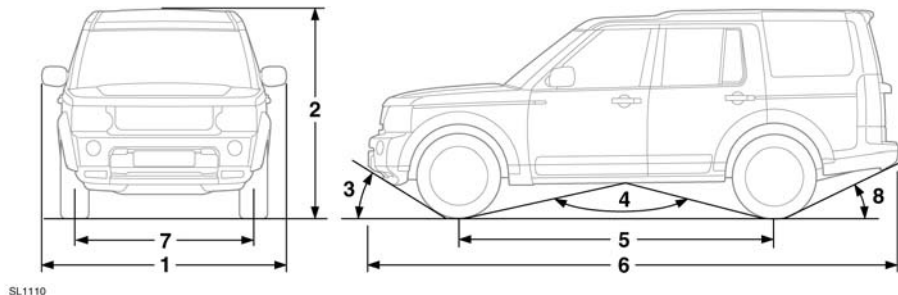
Technical specifications

WEIGHTS

	Metric (kg)	Imperial (lb)
EC kerb weights from (including full fuel tank):		
4.0 Petrol	2 396	5 282
5.0 Petrol	2 548	5 617
2.7 Diesel (5-seat)	2 476	5 459
2.7 Diesel (7-seat)	2 546	5 613
3.0 Diesel	2 583	5 695
Maximum Gross Vehicle Weight (GVW)¹:		
2.7 Diesel (5-seat, coil suspension)	3 180	7 011
All other vehicles	3 240	7 143
Gross Train Weight²:		
2.7 Diesel (coil suspension)	6 680	14 727
All other vehicles	6 740	14 859
Maximum front axle load³:		
All vehicles	1 450	3 197
Maximum rear axle load³:		
2.7 Diesel (5-seat, coil suspension)	1 840	4 057
All other vehicles	1 855	4 090
Maximum roof rack load⁴		
All vehicles	75	165
<p>¹ The maximum permissible weight of the vehicle including passengers and load.</p> <p>² The maximum permissible weight of the vehicle and braked trailer including their respective loads.</p> <p>³ Axle weights are non-additive. The individual maximum axle weights and Gross Vehicle Weight must not be exceeded.</p> <p>⁴ This figure includes the weight of the roof rack.</p>		

Technical specifications

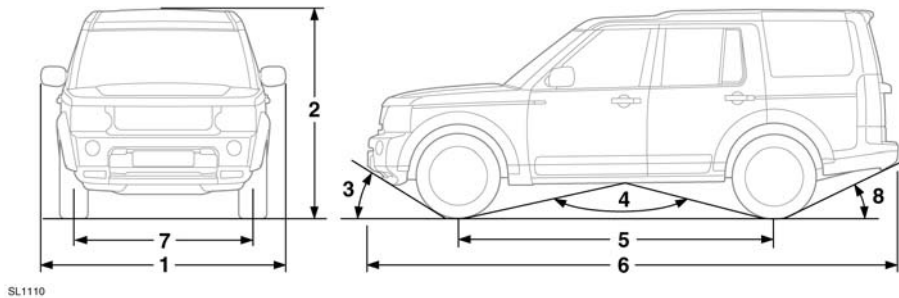
DIMENSIONS - COIL SUSPENSION VEHICLES



Item	Description	mm (inches)	Degrees
1	Width (including mirrors)	2176 (85.7)	-
2	Overall height	1887 (74.3)	-
3	Approach angle (at EEC kerb weight and off-road height)	-	31.5°
4	Ramp breakover angle (at EEC kerb weight and off-road height)	-	135.4°
5	Wheelbase	2885 (113.6)	-
6	Overall length	4838 (190.5)	-
7	Track - front	1605 (63.2)	-
	Track - rear	1612.5 (63.5)	-
8	Departure angle without tow hitch (at EEC kerb weight plus full size spare tyre and at off-road height)	-	24.9°
-	Departure angle with fixed height tow hitch (at EEC kerb weight)	-	15.7°
-	Wading depth	600 (23.6)	-
-	Minimum ground clearance	185 (7.3)	18.5°
-	Turning circle (kerb to kerb)	11.45m (37.5ft)	-
-	Maximum gradient (nose up/down - continuous operation)	-	35°
-	Maximum gradient (nose up/down - drive through)	-	45°

Technical specifications

DIMENSIONS - AIR SUSPENSION VEHICLES



Item	Description	mm (inches)	Degrees
1	Width (including mirrors)	2176 (85.7)	-
2	Overall height:		-
	Access height	1837 (72.3)	-
	Standard height	1887 (74.3)	-
	Standard height with roof rails	1891 (74.4)	-
	Off road height	1942 (76.5)	-
3	Approach angle (at EEC kerb weight and off-road height)	-	36.2°
4	Ramp breakover angle (at EEC kerb weight and off-road height)	-	125.4°
5	Wheelbase	2885 (113.6)	-
6	Overall length	4838 (190.5)	-
7	Track - front	1605 (63.2)	-
	Track - rear	1612.5 (63.5)	-
8	Departure angle without tow hitch (at EEC kerb weight plus full size spare tyre and at off road height)	-	28.1°
	Departure angle with fixed height tow hitch (at EEC kerb weight) - Standard ride height	-	15.7°
	Departure angle with fixed height tow hitch (at EEC kerb weight) - Off road height	-	18.5°
-	Turning circle (kerb to kerb)	11.45m (37.5ft)	-

Technical specifications

Item	Description	mm (inches)	Degrees
-	Maximum wading depth - Standard height	600 (24)	-
-	Maximum wading depth - Off road height	700 (28)	-
-	Minimum ground clearance (standard height)	185 (7.3)	-
-	Minimum ground clearance (off-road height)	240 (9.4)	-
-	Maximum gradient, nose up / down, continuous operation	-	35°
-	Maximum gradient, nose up / down, drive through	-	45°

BULB SPECIFICATION CHART

- ⚠ Before attempting to replace a bulb, ensure 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.

Lamp	Specification	Power (Watts)
Halogen headlamp (low and high beam)	H7	55
Xenon headlamp (low and high beam)	D35	35
Cornering lamps	H8	35
Front side lamps	W3W	3
Front direction indicators	PY24W	24
Front fog lamps	H11	55
Side repeater lamps	WY5W	5
Reverse lamps	P21W	21
Rear fog lamps	P21W	21
License plate lamps	W5W	5
Puddle lamps	W5W	5
Interior lamps	W5W	5

Technical specifications

WHEELS AND TYRES

Wheel size	Tyre size	Load Index
5.5J x 19	T175/80 R19 M (Temporary spare)	122
7.0J x 17	235/70 R17 H	111
8.0J x 18	235/60 R18 V	112
8.0J x 19	255/50 R19 Y Durable spare	107
9.0J x 19	255/50 R19 Y	107
9.0J x 19	225/50 R19 V Gulf and Brazil only	107
8.5J x 20	255/50 R20 Y	109

WHEEL ALIGNMENT DATA (CHINA)

Wheel alignment - front	+0.16° ± 0.2°
Wheel alignment - rear	0.24° ± 0.14°
Camber - front left	-0.15° ± 0.75°
Camber - front right	-0.5° ± 0.75°
Camber - rear left	-0.75° ± 0.75°
Camber - rear right	-0.75° ± 0.75°
Castor - front left	3.86° ± 0.75°
Castor - front right	4.17° ± 0.75°

PEDAL TRAVEL (CHINA)

Both the brake and clutch pedal travel are set at the factory and are non-adjustable.

ACCESSORY WHEELS AND TYRES



- 1 _____ 2 _____
3 _____

SL1304

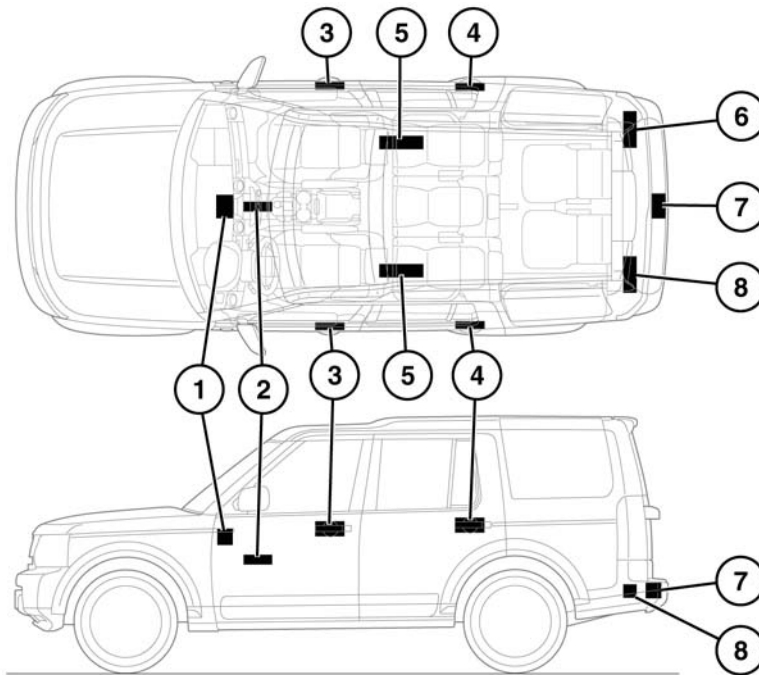
Note: Use the diagram above to record accessory wheel and tyre information.

1. Front tyre pressure.
2. Rear tyre pressure.
3. Wheel and tyre information (size, speed rating, etc.).



Contact your Land Rover dealer before fitting any accessory wheels and tyres.

SMART KEY SYSTEM TRANSMITTERS



SL1313

1. Cabin front transmitter.
2. Keyless start module.
3. Front exterior door handle transmitters.
4. Rear exterior door handle transmitters.
5. Cabin headlining transmitter.
6. Right-hand side loadspace transmitter.
7. Luggage compartment.
8. Left-hand side loadspace transmitter.



Any person fitted with an implanted medical device should ensure that the device is kept at a distance of at least 22 cm (8.7 inches) away from any transmitter mounted in the vehicle. This is to avoid any possibility of interference between the system and the device.

Vehicle battery

BATTERY WARNING SYMBOLS



Do not allow any naked flames, or other sources of ignition near the battery as the battery may emit explosive gasses.



Ensure that when working near, or handling the battery, suitable eye protection is worn. This will reduce the risk of eye damage caused by acid splashes.



To prevent risk of injury, do not allow children near the battery.



Be aware that the battery may emit explosive gasses.



The battery contains acid which is extremely corrosive, and toxic.

BATTERY CARE



Do not allow the battery electrolyte (fluid) come into contact with your skin or eyes. It is both corrosive and toxic, and the resulting injuries can be severe. If any electrolyte does come into contact with your skin or eyes, immediately rinse the affected area with clean, cold water. Immediate medical advice will be required.



If battery electrolyte comes into contact with your skin and/or clothes you should remove the affected clothing and flush the skin with copious amounts of water. Seek medical assistance immediately.



If battery electrolyte comes into contact with your eyes, flush with copious amounts of clean cold water. Seek medical assistance immediately, and continue to flush with water.



If swallowed, battery electrolyte can be fatal. If electrolyte is swallowed seek medical assistance immediately.



Do not connect any 12 volt equipment directly to the battery terminals. Doing so may cause a spark, which can result in an explosion.



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.



Do not expose the battery to a naked flame or spark as the battery produces explosive, flammable gas.



Never jump start (boost) or charge, a frozen battery. Doing so can result in an explosion.



Remove all metal jewellery before working on, or near, the battery, and never allow metal objects or vehicle components to come into contact with the battery terminals. Metal objects can cause sparks, and/or short circuits, resulting in an explosion.

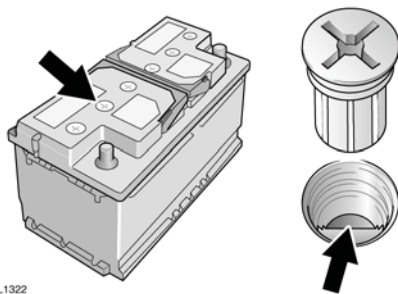


Do not allow the battery posts or terminals to come into contact with your skin. They contain lead, and lead compounds which are toxic. Always wash your hands thoroughly after handling the battery.

Vehicle battery

Your vehicle is fitted with a low maintenance battery.




In hot climates more frequent checks of the battery electrolyte level and condition are required. If necessary, the battery cells can be topped up using distilled water.



SL1322

Unscrew the six cell plugs and store carefully. Check that the surface of the liquid (electrolyte) is level with the plastic level indicator. If necessary, top up with distilled water, but never overfill. Refit the six cell plugs.

STARTING A DISABLED VEHICLE USING BOOSTER CABLES

-  Rotating parts of the engine can cause serious injury. Take extreme care when working near rotating parts of the engine.
-  Before attempting to start the disabled vehicle, make sure that the parking brake is applied, or suitably chock the wheels. Make sure that Park is selected or the manual gearbox is in neutral.
-  Suitable eye protection must be worn when working in the area of the battery.



Do not attempt to start the disabled vehicle if it is suspected that the electrolyte in the battery is frozen.



During normal use, batteries emit explosive gas sufficient to cause severe explosions and capable of causing serious injury - keep sparks and naked lights away from the engine compartment.



Make sure there is no physical contact between the donor and disabled vehicles other than the booster cables.



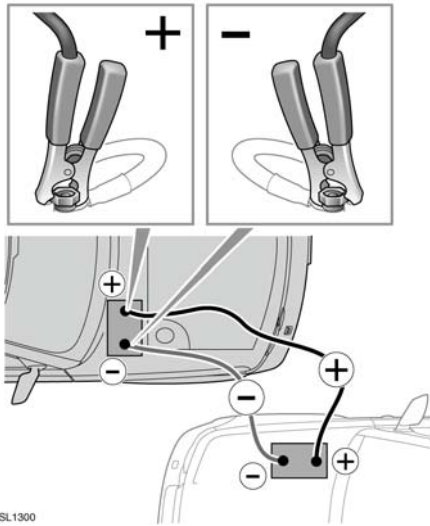
Make sure that the slave battery or starting aid is a 12 volt device.



Disconnect the battery cables prior to operating any electrical equipment.

Note: Before connecting booster cables ensure that the battery connections on the disabled vehicle are correct, and that all electrical equipment has been switched off.

Vehicle battery



1. Connect one end of the positive (Red) booster cable to the positive terminal on the donor vehicle's battery.
2. Connect the other end of the positive booster cable to the positive terminal on the disabled vehicle's battery.
3. Connect one end of the negative (Black) booster cable to the negative terminal on the donor vehicle's battery.
4. Connect the other end of the negative booster cable to a suitable earth point on the disabled vehicle. The earth point should be at least 0.5 metres (20 inches) away from the battery, and as far as possible from any fuel or brake pipes.

Note: Check that all cables are clear of any moving components, and that all four connections are secure.

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.

Note: Do not switch on any electrical circuits on the previously disabled vehicle until after the booster cables have been removed.






7. Allow both vehicles to idle for a few minutes.
8. Switch off the donor vehicle.
9. Disconnect the negative (Black) booster cable from the previously disabled vehicle.
10. Disconnect the negative (Black) booster cable from the battery of the donor vehicle.
11. Disconnect the positive (Red) booster cable from the previously disabled vehicle.
12. Disconnect the positive (Red) booster cable from the donor vehicle.

STARTING A DISABLED VEHICLE USING A STARTING AID





To start the vehicle using a starting aid or a slave battery, follow the instructions in the sequence given.

1. Connect the positive (Red) booster cable to the positive battery terminal of the disabled vehicle.
2. Connect the negative (Black) booster cable to the ground (-) terminal of the battery.
3. Start the engine and allow it to idle.
4. Disconnect the negative (Black) booster cable from the battery terminal of the vehicle.
5. Disconnect the positive (Red) booster cable from the battery terminal of the vehicle.

REMOVING THE VEHICLE BATTERY

-  Switch the ignition off before disconnecting battery terminals. Always disconnect the negative terminal first and reconnect last.
 -  Use caution when lifting the battery out of, or into, the vehicle. It is heavy, and may cause injury when lifting, or if dropped.
 -  Do not tip the battery when lifting or moving as tilting the battery more than 45 degrees may damage the battery, and may cause the electrolyte to leak out. Battery electrolyte is highly corrosive, and toxic.
 -  Do not rest the battery on any part of the vehicle as it may cause damage due to its weight.
 -  Do not run the engine with the battery disconnected. Doing so may damage the charging system.
1. Ensure that all electrical circuits are switched off, all windows are closed, and the alarm is disarmed.
 2. Remove the remote control from the vehicle and wait two minutes to allow the systems to power down fully.
 3. Undo the negative clamp, and lift the cable and clamp clear of the battery terminal.
 4. Undo the positive clamp, and lift the cable and clamp clear of the battery terminal.
 5. Undo the battery clamp and lift the battery clear of the vehicle.

CHARGING THE VEHICLE BATTERY

-  Ensure that the correct type and rating of charger used. Using an unsuitable charger may damage the battery, and could cause the battery to explode.
 -  Always charge the battery in a well ventilated area away from any naked flames, sparks or other ignition sources. During charging the battery can produce a highly explosive and flammable gas.
 -  The battery must be disconnected and removed from the vehicle before charging. Failure to do so could result in damage to the vehicle's electrical system.
 -  Always follow the instructions supplied with the battery charger. Failure to do so may result in damage to the battery.
1. Disconnect the battery and remove it from the vehicle.
 2. Connect the battery charger in accordance with the charger manufacturer's instructions.
 3. Once the charge is complete switch off the power to the charger.
 4. Disconnect the charger cables from the battery.
 5. Allow the battery to stand for an hour before connecting to the vehicle. This will allow any explosive gasses to dissipate, and reduce the risk of explosion.

Vehicle battery

EFFECTS OF DISCONNECTING

Disconnecting the battery can affect a number of vehicle systems, especially if there is insufficient battery power prior to disconnection. For example, the alarm may trigger depending on its state when the battery was disconnected. If the alarm does sound, use the remote control in the normal way to disarm the security system. The windows may need recalibrating to operate correctly.

REPLACEMENT BATTERIES



Only fit a battery of the correct type and rating. Fitting an incorrect battery may result in a fire, or damage to the electrical system. If you are in any doubt when fitting a battery seek qualified assistance.

BATTERY DISPOSAL



Used batteries must be disposed of correctly as they contain a number of harmful substances. Seek advice on disposal from your Dealer/Authorised Repairer and/or your local authority.

REFITTING



When refitting the battery ensure that no metal objects, or vehicle components, come into contact with the battery terminals. Metal objects can cause a spark or short circuit, both of which may result in an explosion.



Ensure that when fitting a battery to the vehicle, the terminals and battery clamps are clean, and lightly coated with petroleum jelly. This will ensure good electrical connections are made, and help to prevent corrosion.







Always follow the battery manufacturers instructions. Failure to do so may result in damage to the vehicle and/or the electrical system.

A new battery should be supplied with plastic terminal covers. Leave the covers in place when fitting the battery, and remove them one at a time to fit the battery cable clamps.

Refitting is an exact reversal of the removal procedure. If you are in any doubt about fitting a battery seek qualified assistance before attempting to fit the battery.




TYRE CARE

-  Do not drive the vehicle if a tyre is damaged, excessively worn, or incorrectly inflated.
-  Avoid contaminating the tyres with vehicle fluids as they may cause damage to the tyre.
-  Avoid spinning the wheels. The forces released can damage the structure of the tyre, and cause it to fail.
-  If wheel spin is unavoidable due to a loss of traction (in deep snow for example), do not exceed the 50 km/h (30 mph) point on the speedometer.

Note: Tyre condition should be checked after the vehicle has been used off-road. As soon as the vehicle returns to a normal, hard, road surface, stop and check for tyre damage.

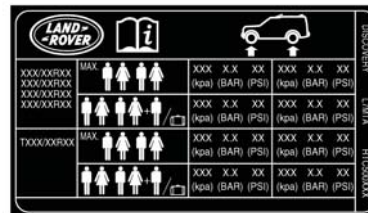
All of the vehicle's tyres (including the spare) should be checked regularly for damage, wear and distortion. If you are in any doubt about the condition of a tyre, have it checked immediately by a tyre repair centre or your Dealer.

TYRE PRESSURES

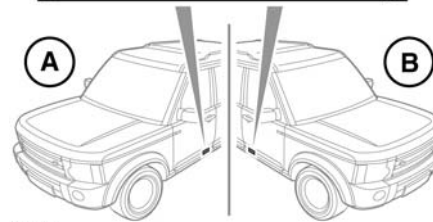
-  Never drive your vehicle if the tyre pressures are incorrect.
-  Pressure checks should only be carried out when the tyres are cold, and the vehicle has been stationary for more than three hours. A hot tyre at, or below, recommended cold inflation pressure, is dangerously under-inflated.
-  If the vehicle has been parked in strong sunlight, or used in high ambient temperatures, do not reduce the tyre pressures. Move the vehicle into the shade and allow the tyres to cool before rechecking the pressures.

CHECKING THE TYRE PRESSURES


The recommended tyre pressures are listed on a label located in the driver's door opening.



LAND ROVER		i		DISCOVERY	
XXXXXXR00X XXXXXXR00X XXXXXXR00X XXXXXXR00X	MAX 4 people	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)
XXXXXXR00X XXXXXXR00X XXXXXXR00X	4 people	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)
T0000XXR00X	MAX 4 people	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)
	4 people	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)	XXX X.X XX (kpa) (BAR) (PSI)



- A. Tyre information label location on a left-hand drive vehicle.
- B. Tyre information label location on a right-hand drive vehicle.

-  Tyre pressures should be checked regularly using an accurate pressure gauge, when the tyres are cold.

The following procedure should be used to check and adjust the tyres pressures.

1. Remove the valve cap.
2. Firmly attach a tyre pressure gauge/inflator to the valve.
3. Read the tyre pressure from the gauge and add air if required.
4. If air is added to the tyre, remove the gauge and re-attach it before reading the pressure. Failure to do so may result in an inaccurate reading.

Tyres

5. If the tyre pressure is too high, remove the gauge and allow air out of the tyre by pressing the centre 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 tyre pressure is reached.
7. Refit the valve cap.

TYRE VALVES

Keep the valve caps screwed down firmly to prevent water or dirt entering the valve. Check the valves for leaks when checking the tyre pressures.

PUNCTURED TYRES



Do not drive the vehicle with a punctured tyre. Even if the punctured tyre has not deflated, it is unsafe to use, as the tyre may deflate suddenly at any time.

REPLACEMENT TYRES



Always fit replacement tyres of the same type, and wherever possible, of the same make and tread pattern.



If the use of tyres not recommended by Land Rover is unavoidable, ensure that you read, and fully comply with, the tyre manufacturer's instructions.

Ideally, tyres should be replaced in sets of four. If this is not possible, replace the tyres in pairs (both front or both rear). When tyres are replaced, the wheels should always be re-balanced and alignment checked.

The correct tyre specification for your vehicle can be found on the tyre information label. See **219, CHECKING THE TYRE PRESSURES**.

PRESSURE COMPENSATION FOR AMBIENT TEMPERATURE CHANGES

A colder ambient local temperature will reduce pressure within the tyre. An effect is to decrease sidewall height and to increase tyre shoulder wear with the potential for tyre failure. Vehicle dynamics could also be adversely affected.

Tyre pressures can be adjusted to compensate before the start of the journey. Alternatively, tyre 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 at least one hour before tyre pressure is adjusted.

To compensate for colder ambient temperatures, tyre pressures should be increased by 0.14 bar (2 psi, 14 kPa) for each 10°C (20°F) decrease.

***Note:** Ensure that correct tyre pressures are maintained when moving to areas of differing ambient temperature.*

FLAT SPOTS DUE TO LONG TERM PARKING

In order to minimise flat spotting, the tyre pressures can be increased to the maximum as stated on the tyre sidewall, for the period when the vehicle is stationary. Tyres must be returned to the specified running pressures before driving.

AGE DEGRADATION

Tyres degrade over time due to the effects of ultraviolet light, extreme temperatures, high loads, and environmental conditions. It is recommended that tyres are replaced at least every six years, but they may require replacement more frequently.

USING WINTER TYRES

If winter tyres are fitted to the vehicle, the tyre manufacturer's instructions must be followed. Pay particular attention to the correct tyre pressures at the maximum speed that the vehicle can be driven at.

Approved winter tyres	
18 inch wheels	235/65 R18 110H Dunlop Winter Sport M3
19 inch wheels	255/65 R19 111H Goodyear Ultra Grip
20 inch wheels	255/50 R20 109H Continental Cross Contact Winter

USING TRACTION DEVICES



Only use traction devices in heavy snow conditions, on hard road surfaces.



Dynamic Stability Control (DSC) must be switched off when using traction devices.



Never exceed 50 km/h (30 mph) when traction devices are fitted.



Never fit traction devices to a temporary use spare wheel.

Land Rover approved traction devices may be used to improve traction on a hard road surface in heavy snow conditions. They should not be used in off-road conditions.

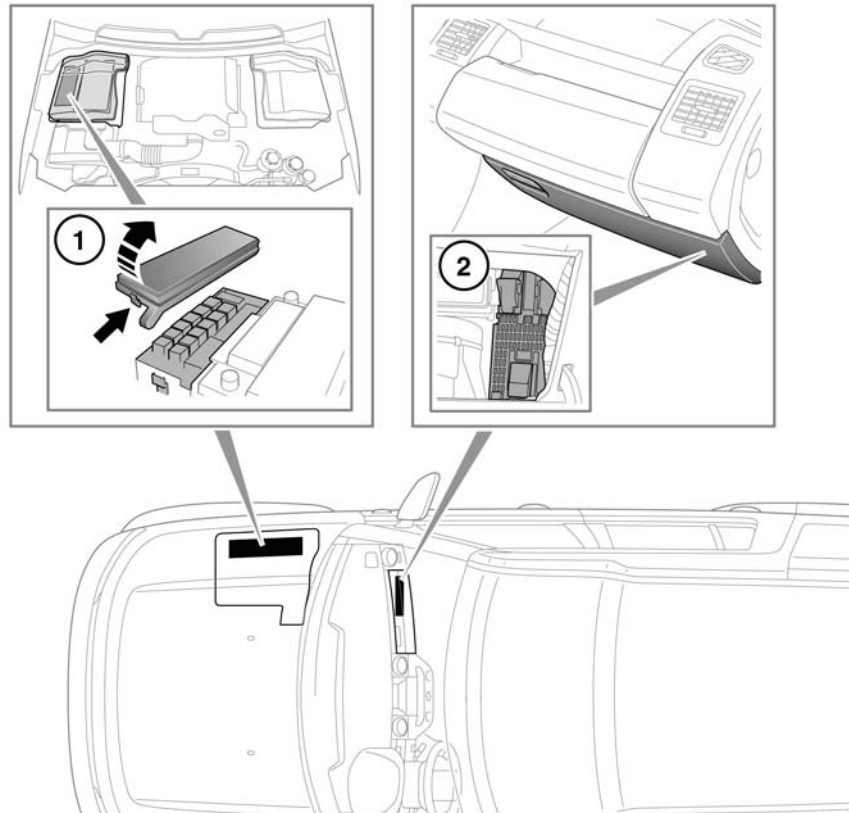
If it becomes necessary to fit traction devices, the following points must be observed:

- No traction devices should be fitted to the rear wheels.
- Single sided Spike-spyder traction devices can only be fitted to the front wheels of vehicles fitted with 18 or 19 inch diameter wheels.

- The wheels and tyres fitted must conform to the specifications of the original equipment.
- Only Land Rover approved traction devices should be used on the vehicle. Only Land Rover approved traction devices have been tested to ensure that they do not cause damage to the vehicle. Contact your Dealer/Authorised Repairer for information.
- Always read, understand and follow the traction device manufacturer's instructions. Pay particular attention to the maximum speed and fitting instructions.
- Avoid tyre/vehicle damage, by removing the traction devices as soon as the conditions allow.

Fuses

FUSE BOX LOCATIONS



SL1108

1. Engine compartment fuse box.
2. Passenger compartment fuse box.

To access the passenger compartment fuse box, open the glovebox, pinch the top of the support stays and lower the glovebox into the footwell.

A label on the rear of the glovebox shows the circuits protected and the fuse locations.

The engine compartment fuse numbers and positions are shown on the inside of the fuse box cover.

CHANGING A FUSE

- ⚠ Fit Land Rover approved replacement fuses of the same rating and type, or fuses of matching specification. Using an incorrect fuse, may result in damage to the vehicle's electrical system and can result in a fire.
- ⚠ If the replacement fuse blows after installation, the system should be checked by your Land Rover Dealer/Authorised Repairer.

Note: Land Rover recommend that relays should only be replaced by qualified persons.

Always switch off the ignition, and the affected electrical circuit, before replacing a fuse.

ENGINE COMPARTMENT FUSE BOX

Fuse number	Rating (Amps)	Fuse colour	Circuits protected
1	25	White	Fuel pump
2	5	Tan	Petrol - EMS (MAGF, oil sensor). Diesel - fuel burning heater.
3	5	Tan	Air suspension ECU
4	25	White	EMS (ECM, fuel pump relay control)
5	15	Blue	EMS
6	15	Blue	Petrol - EMS (ignition coils). Diesel - EMS (sensors, glow plug relay control)
7	-	-	-
8	25	White	Rear seat heater
9	-	-	-
10	10	Red	Petrol - EMS (throttle motor). Diesel - EMS
11	15	Blue	Petrol - EMS (oxygen sensors). Diesel 3.0 - A/C compressor clutch
12	10	Red	Heated washer jets
13	15	Blue	EMS
14	15	Blue	Petrol - EMS (oxygen sensors)
15	30	Green	Heated front screen
16	15	Blue	Rear wiper
17	10	Red	Petrol V6 - EMS (EGR, purge valve), E-box fan. Diesel 3.0 - EMS (MAF, EGR)
18	30	Green	Heated front screen
19	-	-	-
20	5	Tan	Alternator
21	5	Tan	Dynamic stability control (DSC), Anti-lock braking system (ABS)
22	30	Green	Rear blower

Fuses

Fuse number	Rating (Amps)	Fuse colour	Circuits protected
23	25	White	Traction control
24	25	White	Front seat heaters
25	15	Blue	Horn
26	20	Yellow	Air suspension ECU
27	5	Tan	Engine control module (ECM)
28	20	Yellow	Petrol V8 SC - intercooler water pump. Petrol V6 - Brake boost pump. Diesel - auxiliary heater
29	30	Green	Front wipers
30	10	Red	Auto transmission ECU

PASSENGER COMPARTMENT FUSE BOX

Fuse number	Rating (Amps)	Fuse colour	Circuits protected
1	5	Tan	Radio frequency receiver, TPM system
2	-	-	-
3	15	Blue	Front fog lamps
4	5	Tan	Automatic dimming interior mirror
5	5	Tan	Dynamic stability control (DSC), Anti-lock braking system (ABS), steering angle sensor
6	-	-	-
7	-	-	-
8	-	-	-
9	5	Tan	Electric parking brake (EPB)
10	5	Tan	Air suspension ECU
11	10	Red	Trailer reverse lamp
12	5	Tan	Reverse lamps
13	-	-	-
14	5	Tan	Brake lamps, brake switch
15	30	Green	Heated rear window
16	10	Red	Cubby box cooler
17	5	Tan	Keyless entry/start, central door locking
18	-	-	-

Fuses

Fuse number	Rating (Amps)	Fuse colour	Circuits protected
19	5	Tan	Engine control module (ECM)
20	10	Red	Heated steering wheel
21	10	Red	Centre console switches (transfer box, HDC, DSC), headlamp levelling, rear climate control, smog sensor
22	5	Tan	Automatic transmission, transfer box, rear differential
23	5	Tan	Headlamp levelling
24	10	Red	Right-hand side lamps, tail lamps
25	10	Red	Left-hand side lamps, tail lamps
26	-	-	-
27	10	Red	Trailer side lamps
28	-	-	-
29	-	-	-
30	25	White	Front passenger window, central door locking
31	5	Tan	Rain sensor, rear view camera
32	25	White	Driver's window, exterior mirrors, central door locking
33	-	-	-
34	10	red	Electric fuel flap actuator
35	-	-	-
36	5	Tan	Battery back-up sounder
37	20	Yellow	Keyless entry, central door locking
38	15	Blue	Front screen washer
39	25	White	Rear left-hand window, central door locking
40	5	Tan	Seat memory, clock, driver's door switch pack (exterior mirrors, windows)
41	-	-	-
42	30	Green	Driver's electric seat
43	15	Blue	Rear screen washer
44	25	White	Rear right-hand window, central door locking
45	30	Green	Passenger electric seat
46	-	-	-

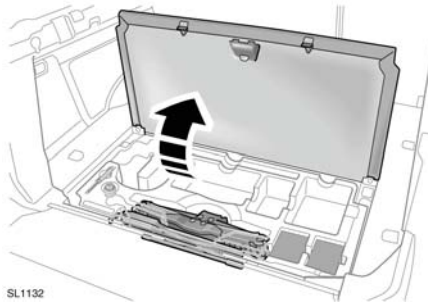
Fuses

Fuse number	Rating (Amps)	Fuse colour	Circuits protected
47	20	Yellow	Sunroof
48	30	Green	Trailer connector (battery feed)
49	5	Tan	Adaptive front lighting (right-hand unit)
50	5	Tan	Adaptive front lighting (left-hand unit)
51	5	Tan	Steering wheel switches
52	-	-	-
53	20	Yellow	Cigar lighter
54	15	Blue	Trailer connector (ignition feed)
55	20	Yellow	Auxiliary power socket - centre and rear
56	10	Red	Airbag SRS
57	10	Red	Interior lamps
58	-	-	-
59	-	-	-
60	-	-	-
61	10	Red	Instrument pack, message centre
62	10	Red	Climate control ECU
63	20	Yellow	Auxiliary power socket
64	15	Blue	Audio unit, DVD player
65	5	Tan	Surround camera system
66	5	Tan	Diagnostic socket
67	15	Blue	Rear seat entertainment module
68	10	Red	Touch screen display, multi-media module, radio telephone
69	-	-	-

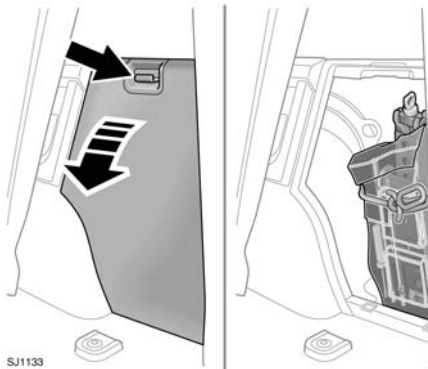
Wheel changing

TOOL KIT

Note: Tool types and positions may vary from the illustrations.



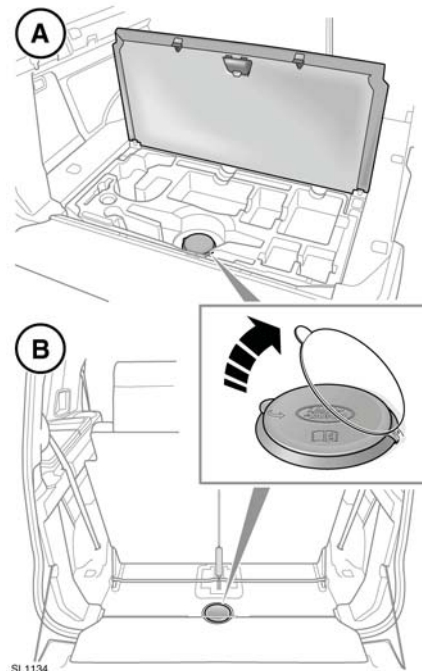
5-seat vehicles: The tool kit is located under a panel set in the loadspace floor.






7-seat vehicles: The tool kit is stowed behind an access cover in the loadspace area.

Note: Take careful note of the stowage position for each tool, as it is important to return them to their correct position after use.

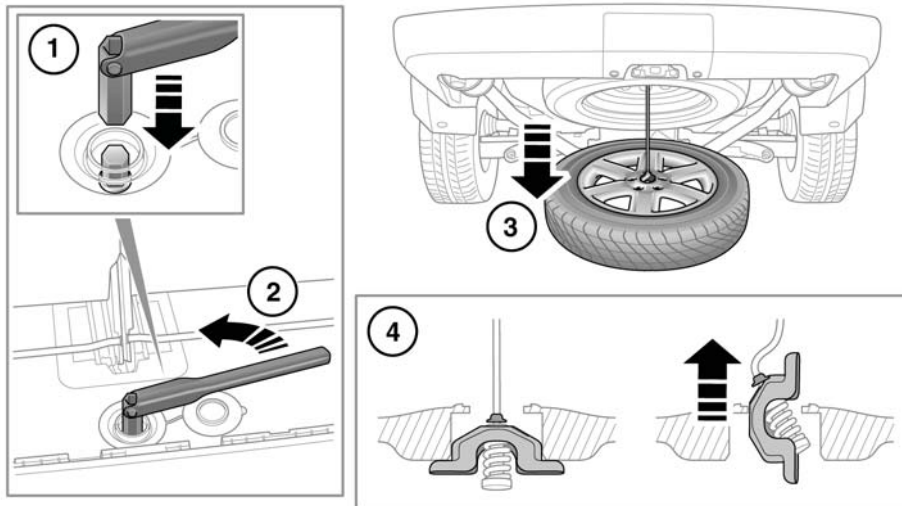
LOWERING THE SPARE WHEEL



-  Remove the spare wheel prior to jacking the vehicle, to avoid destabilising the vehicle when raised.
-  Wheels are heavy and if handled incorrectly may cause injury. Use extreme caution when lifting or manoeuvring the wheels.
-  Always secure the spare wheel, or the removed wheel, in the correct position using the retaining bolt.

Always remove the spare wheel before jacking the vehicle. On 5 seat vehicles (A) the spare wheel lowering winch is under the rear loadspace floor. On 7 seat vehicles (B) the winch is directly under a cover behind the 3rd row seats.

Wheel changing



SL1136

! Do not use power tools to lower the spare wheel. Doing so may damage the mechanism.



Note: Before removing the spare wheel, take note of its stowage position. The wheel to be changed must be correctly stowed in its place.

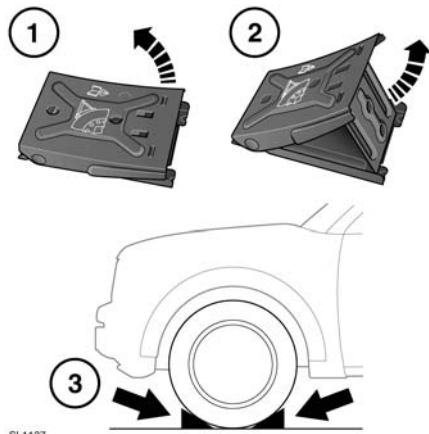
1. Open the spare wheel access hatch in the loadspace area.
5 seat vehicles - remove the vehicle jack from the tool tray.
Lift the cap covering the spare wheel hoist winch nut.
2. Fit the wheel nut brace to the wheel hoist winch nut, and rotate anticlockwise to lower the spare wheel.
3. Continue to turn the wheel hoist winch nut, until the wheel is on the ground and the hoist cable is slack. Do not attempt to turn the winch nut past its physical stop.

4. Hold the cable and tilt the lifting lug until it can be passed through the hole in the wheel, as shown.

Wheel changing

USING WHEEL CHOCKS

-  Always chock the wheels using suitable wheel chocks. Place the chocks on both sides of the wheel diagonally opposite the wheel to be changed.
-  If jacking the vehicle on a slight slope is unavoidable, place the chocks on the downhill side of both wheels on the axle not being raised.















Wheel chocks are stowed in the tool kit.

1. Remove the chocks from the tool kit and lift the folded section to assemble chock.
2. Lift support section of chock until it locks into place.
3. Position the vehicle on level ground.
Both chocks must be used. Position them on opposite sides of the wheel and fully push them home against the tyre.

WHEEL CHANGING SAFETY

Before raising the vehicle or changing a wheel, ensure that you read and comply with the following warnings.

-  Always find a safe place to stop, off the highway and away from traffic.
-  Ensure that the vehicle and jack are both on firm level ground.
-  Apply the parking brake. Engage Park (P) on automatic vehicles, select 1st or reverse gear on manual vehicles.
-  Ensure the air suspension is set to off-road height.
-  Switch on the hazard warning lamps.
-  Ensure that the front wheels are in the straight ahead position, and engage the steering lock.
-  Disconnect trailer/caravan from vehicle.
-  Ensure that all passengers, and animals, are out of the vehicle and in a safe place away from the highway.
-  Place a warning triangle at a suitable distance behind the vehicle, facing towards oncoming traffic.
-  Never place anything between the jack and the ground, or the jack and the vehicle.
-  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.
-  Take care when lifting the spare wheel, and removing the punctured wheel. The wheels are heavy, and can cause injuries if not handled correctly.

Wheel changing

RAISING THE VEHICLE



Air suspension vehicles - ensure the air suspension is set to off road height.



Coil suspension vehicles - due to the nature of coil suspension systems, it is not possible to raise the wheel clear of the road surface by jacking under the chassis.



Never work or allow any person to place any part of their body beneath the vehicle with the jack as the only means of support - use vehicle support stands.



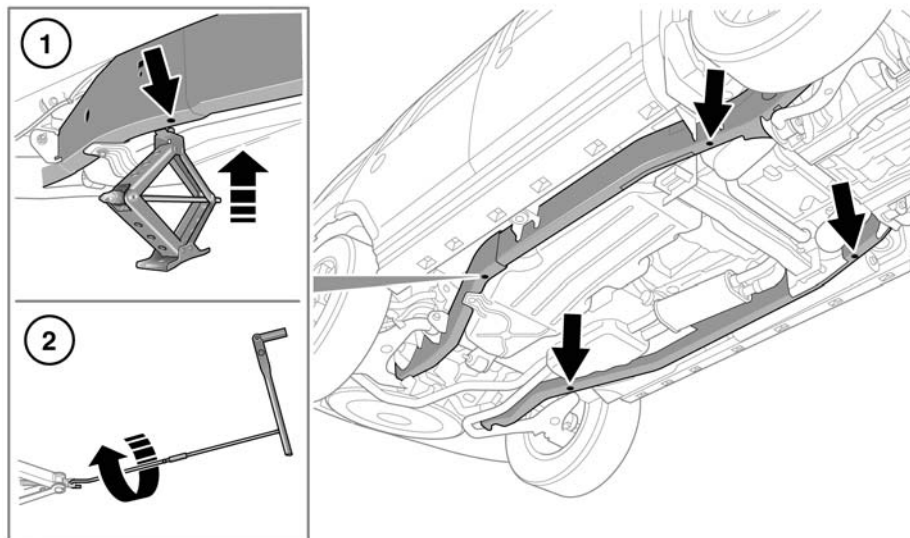
Only jack the vehicle using the jacking points described, or damage to the vehicle could occur.

The jacking points for air suspension and coil suspension vehicles vary. Always take care to ensure the correct jacking points for your vehicle are used. Using incorrect jacking points may cause damage to the vehicle.

The jack differs dependent on suspension type - identify which type of jack is supplied with your vehicle and the correct jacking points prior to commencing a wheel change.

Note: *Your vehicle may be fitted with a tilt sensor which activates the alarm if the vehicle is tilted in any direction after it has been locked. To lock the doors while changing the wheel, and avoid the alarm activating, turn off the alarm sensors. See 58, VEHICLE INFORMATION AND SETTINGS MENU.*

JACKING POINTS AND JACK TYPE - AIR SUSPENSION



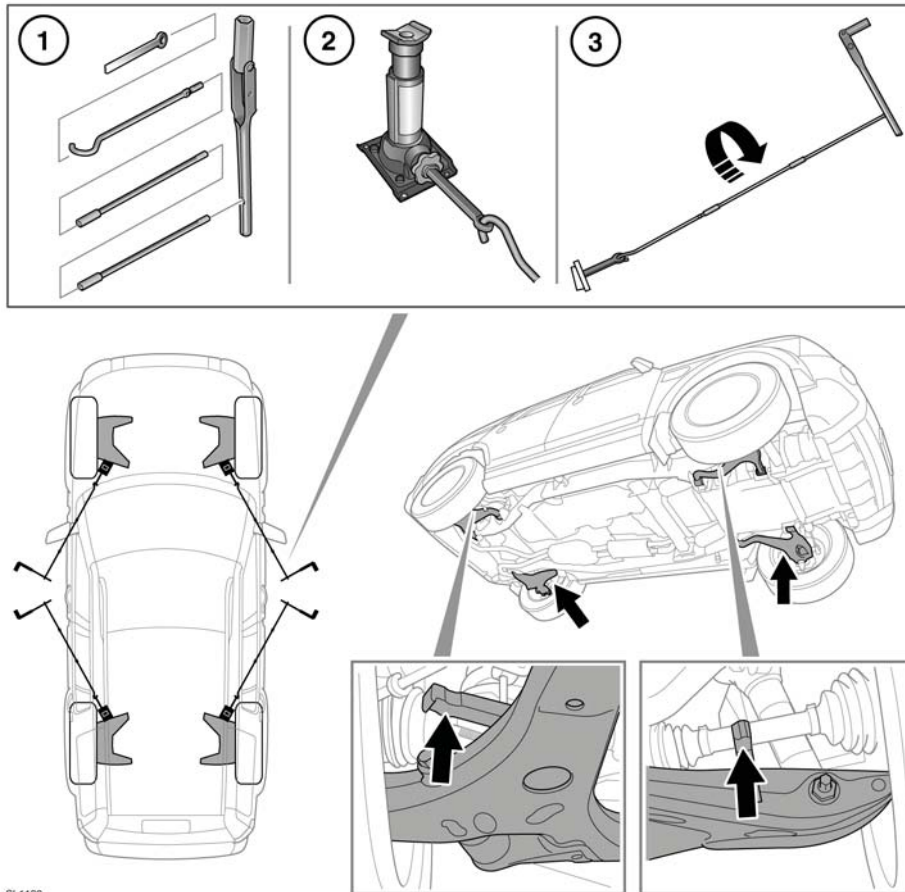
SL1138

OPERATING THE JACK

1. Locate the jack under the recommended jacking point.
2. Attach the cranking lever to the jack using the adaptor. Fit the wheel nut brace to the end of the cranking lever and rotate clockwise to raise the vehicle.

Wheel changing

JACKING POINTS AND JACK TYPE - COIL SUSPENSION



SL1139

OPERATING THE JACK

1. Assemble the cranking lever as shown.
2. Attach the cranking lever to the jack using the adaptor.
3. Fit the wheel nut brace onto the end of the cranking lever. With the jack located under the correct jacking point, rotate the cranking lever clockwise to raise the vehicle.

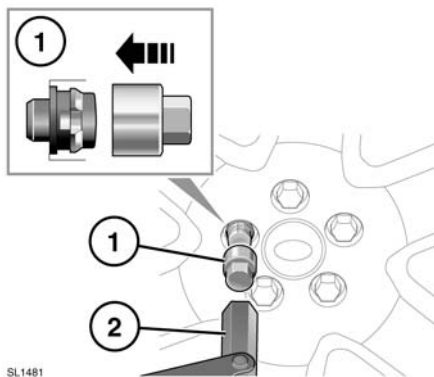
LOCKING WHEEL NUTS

Locking wheel nuts can only be removed using the special adapter provided in the tool kit.

Note: When the vehicle is first supplied, the adapter may be stored in the glove compartment. It should be removed and stored in the tool kit as soon as possible.

Note: A code number is stamped onto the underside of the adapter. This number must be recorded on the security card supplied with the literature pack. If a replacement adapter is required, you will be asked to quote this number. The security card must be kept safe, but should not be kept with the vehicle.

RELEASING LOCKING WHEEL NUTS



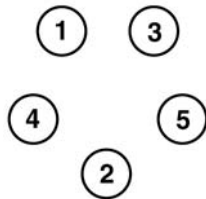
1. Insert the wheel nut adapter into the locking wheel nut, ensuring that it is fully engaged.
2. Using the wheel nut brace, unscrew the wheel nut and adapter.

Note: After use store the wheel nut adapter correctly in the tool kit.

WHEEL CHANGING

1. Read and observe the warnings in Wheel changing safety.
2. Before raising the vehicle, use the wheel nut brace to slacken the wheel nuts half a turn anticlockwise.
3. Position the jack under the relevant jacking point. For coil suspension vehicles this is located on the lower suspension arm, for air suspension vehicles this is under the chassis. Refer to the correct diagram above for your vehicle.
4. Turn the jack lever clockwise to raise the jack cradle until it engages with the jacking point. Ensure that the base of the jack is in full contact with the road surface.
5. Raise the vehicle using the jack with a slow steady operation. Avoid rapid, jerky actions as they may cause the vehicle/jack to become unstable.
6. Remove the wheel nuts and place them together where they cannot roll away.
7. Remove the wheel and place to one side. Do not lay the wheel on its face, as this may damage the finish.
8. Fit the spare wheel to the hub.
9. Re-fit the wheel nuts, and lightly tighten them. Ensure that the wheel is making contact with the hub evenly.
10. Ensure that the space under the vehicle is clear of obstructions, and lower the vehicle slowly and smoothly.
11. With all wheels on the ground and the jack removed, fully tighten the wheel nuts. The wheel nuts must be tightened in sequence (see illustration) to the correct torque of 133 Nm (98 lb.ft).

Wheel changing










SL1140

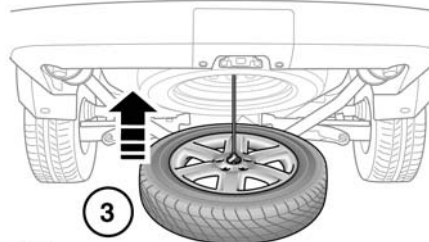
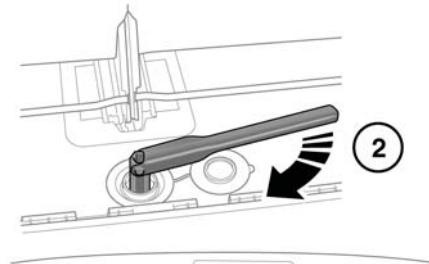
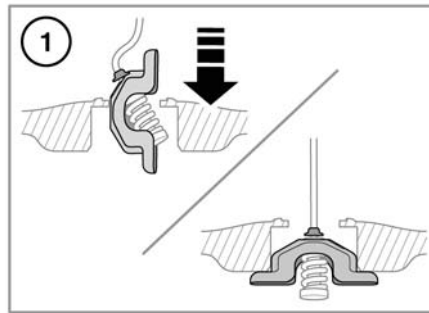
Note: If it is not possible to torque the wheel nuts when a wheel is replaced, they should be set to the correct torque as soon as possible.

If an alloy spare wheel is to be fitted, using a suitable blunt tool, knock the centre cap out of the removed wheel. Using hand pressure only, press the centre cap into the newly fitted spare. Check and adjust the tyre pressure as soon as possible.



TEMPORARY SPARE WHEEL

-  Adhere to the instructions on the temporary spare warning label, affixed to the wheel.
-  Drive with caution while the temporary spare wheel is fitted. Ensure that an original size wheel and tyre are fitted as soon as possible.
-  Do not fit more than one temporary spare wheel.
-  Do not exceed 80 km/h (50 mph) while the temporary spare wheel is fitted.
-  The tyre pressure in the temporary spare wheel should be 420 kPa (4.2 Bar/60 psi).
-  DSC must be switched on while the temporary spare wheel is in use.
-  Traction devices such as snow chains cannot be used with a temporary spare wheel.

STOWING THE CHANGED WHEEL



SL1320

-  Do not stow the wheel while the vehicle is raised on the jack.
 -  Do not use power tools to raise the spare wheel. Doing so may damage the mechanism.
1. Place the wheel under the vehicle with the styled face uppermost.
 2. Place the lifting lug through the centre of the wheel, as shown, and locate it in position.

Wheel changing

3. Winch up the wheel using the wheel-hoist mechanism.
4. Continue to wind up, until the mechanism reaches its upper position. This is indicated by clear physical jerk from the wheel nut brace and an audible noise.
5. Check that the wheel has returned to the same position as the spare wheel was in before it was removed. If in any doubt, lower the winch slightly, adjust the wheel position and repeat step 4.

The wheel **must** be securely retained in its correct position by the winch mechanism, or it could become loose.


6. Replace the locking cap over the wheel hoist nut. As the underside of the cap is exposed to the same conditions as the underside of the vehicle, ensure that it is firmly in place.


Note: *If for any reason, the spare wheel is not to be fitted back in its hoist, the wheel hoist should be rewound as follows.*

Position the lifting lug level on the cable, and wind up the hoist mechanism until it reaches its uppermost position. This is indicated by a clear physical jerk from the wheel nut brace and an audible noise.


Vehicle recovery

FRONT AND REAR TOWING EYES

 The towing eyes at the front and rear of the vehicle are designed for on-road recovery only. If they are used for any other purpose, it may result in vehicle damage and serious injury.

 Remove the front and rear towing eye covers before driving off-road, to prevent damage or loss.

OFF-ROAD RECOVERY

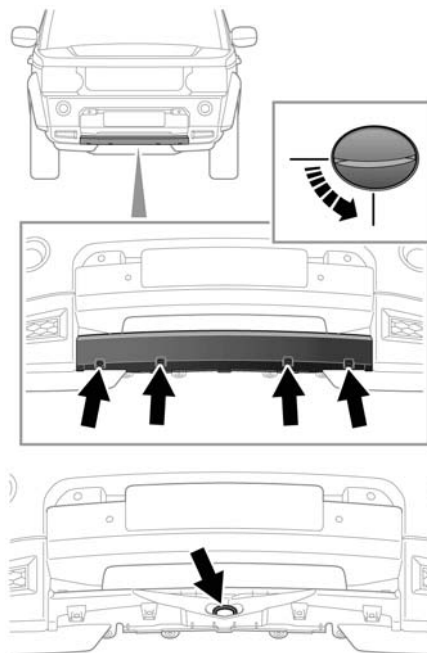
 If the towing eyes are to be used for off-road recovery, it is essential that off-road driver training covering recovery techniques is undertaken.

Further information on off-road driver training can be found at <http://www.landroverexperience.com>

FRONT TOWING POINT

The front towing point is located behind a removable cover in the lower front bumper.

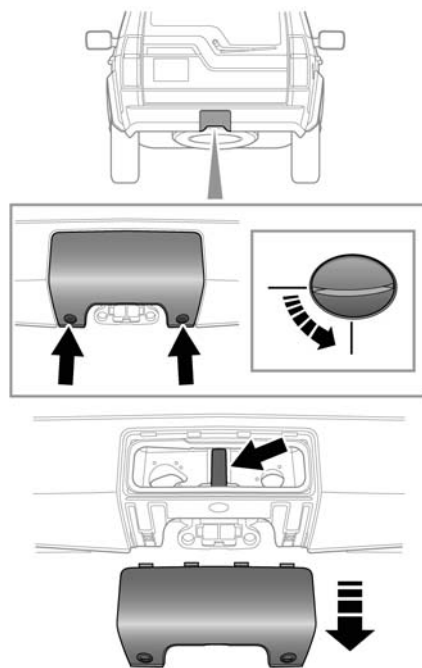
1. Rotate each of the fasteners 90 degrees anticlockwise with a coin (or similar).
2. To remove the cover, lower the top edge and then pull the cover forward.
3. To refit, offer up the cover and ensure the two lugs at the bottom edge engage with the holes in the body panel.
4. Secure the cover in position by rotating each of the fasteners 90 degrees clockwise.



SL1305

REAR TOWING POINT

The rear towing point is located behind a removal panel in the lower rear bumper. The rear towing point may be used to tow another vehicle if required.



SL1307

1. Rotate each of the fasteners 90 degrees anticlockwise with a coin (or similar), to release the lower edge.
2. Rotate the cover to release the hooks at the top.
3. Remove the cover.
4. To refit, position the cover in place and ensure that the four hooks on the top edge engage in the body panel.
5. Rotate the fasteners 90 degrees clockwise to secure the cover.

TOWING THE VEHICLE ON FOUR WHEELS

- ⚠ **Do not remove the Smart Key from the vehicle as this will lock the steering column.**
- ⚠ **If the vehicle battery is to be disconnected, the steering column must be unlocked first. It is not possible to unlock the steering column with the battery disconnected.**
- ⚠ **If the engine cannot be used during towing, there will be no power assistance to the braking or steering systems. This will result in much greater effort to steer and stop the vehicle and in a greatly increased stopping distance.**
- ⓘ Only tow the vehicle in a forward direction with all four wheels on the ground. Towing in a reverse direction with two wheels on the ground, will cause serious damage to the transmission.
- ⓘ The vehicle should only be towed for a maximum of 50 km (30 miles), at a maximum speed of 50 km/h (30 mph). Towing for a greater distance or at a higher speed, may result in serious damage to the transmission.
- ⓘ Do not tow the vehicle if the gearbox cannot be set in neutral, or the rear electronic differential has failed in the locked position.

Vehicle recovery

Your vehicle has a permanent four-wheel drive system and is fitted with a steering lock. The following procedure must be carried out carefully to prevent damage to the vehicle:

1. Secure the towing attachment from the recovery vehicle to the front towing point.
2. With the parking brake applied, switch on the ignition.
3. Apply the foot brake and place the gear lever into neutral.
4. Switch off the ignition and leave the Smart Key in a secure place within the vehicle.
5. The ignition may be switched on to allow operation of indicators, brake lamps etc.
6. Release the parking brake before towing the vehicle.



Leaving the ignition switched on for extended periods will drain the vehicle battery.

AFTER TOWING ON FOUR WHEELS

1. Apply the parking brake.
2. Switch on the ignition and apply the foot brake.
3. Place the auto selector lever in the park position.
4. Switch off the ignition and remove the Smart Key from the vehicle.
5. Remove the towing attachment and refit the cover to the front towing point.



Use extreme caution when detaching towing equipment. Vehicle movement is possible which can result in serious injury.

BEFORE STARTING OR DRIVING



If the vehicle is involved in a collision it should be checked by a Dealer/ Authorised Repairer, or suitably qualified persons, before starting or driving.

EVENT DATA RECORDING

Event data recorders are capable of collecting and storing data during a crash or near-crash event. The recorded information may assist in the investigation of such an event. The modules may record information about both the vehicle and the occupants, potentially including such information as:

- How various systems in your vehicle were operating.
- Whether or not the driver and passenger seat belts were buckled.
- How far, if at all, the driver was pressing the accelerator and/or brake pedal.
- How fast the vehicle was travelling.
- Where the driver was positioning the steering wheel.

To access this information special equipment must be connected directly to the recording modules. Land Rover do not access event data recorder information without obtaining consent, unless pursuant to court order or where required by law enforcement, other government authorities or third parties acting with lawful authority.

Other parties may seek to access the information independently of Land Rover.

Vehicle identification

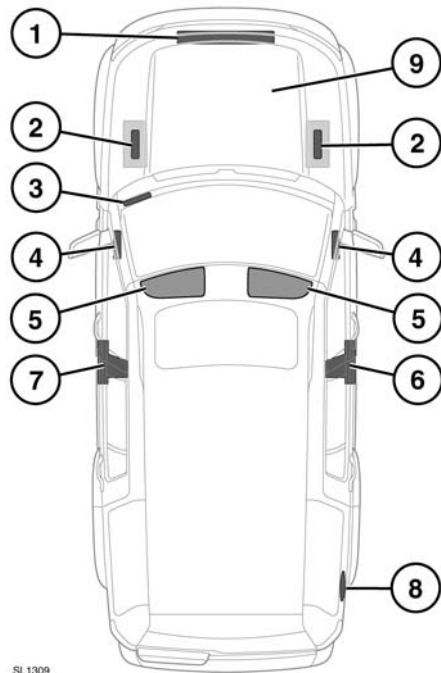
LABEL LOCATIONS



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 utilises very high voltages. Do not touch any ignition components while the starter switch is turned on.



SL 1309

1. Bonnet locking platform - Air conditioning label
2. Top of battery - Battery warning symbols
3. The VIN is stamped on a plate which is visible through the lowest part of the left side of the windscreen.

Note: If you need to communicate with a Dealer/Authorised Repairer, you may be asked to quote the VIN number.

4. End of fascia (passenger side) - Passenger airbag label.
5. Sun visor - Airbag label, vehicle handling label.
6. Base of right-hand B pillar - Tyre pressure label, airbag warning label.
Right-hand B pillar - Vehicle Identification Number plate (China).
7. Left-hand B pillar - Airbag warning label, Vehicle Identification Number plate.
8. Inside fuel filler flap - Fuel label.
9. Engine number: Located on the right side of the engine block or camshaft cover.

It is important that you are familiar with these subjects to ensure that your vehicle and its features are used safely.

VEHICLE IDENTIFICATION NUMBER (VIN)

The VIN is a unique number which identifies your vehicle. Unlike the vehicle registration number it cannot be transferred, and remains with your vehicle for the life of the car.

VEHICLE BUILD DATE PLATE (Australia only)

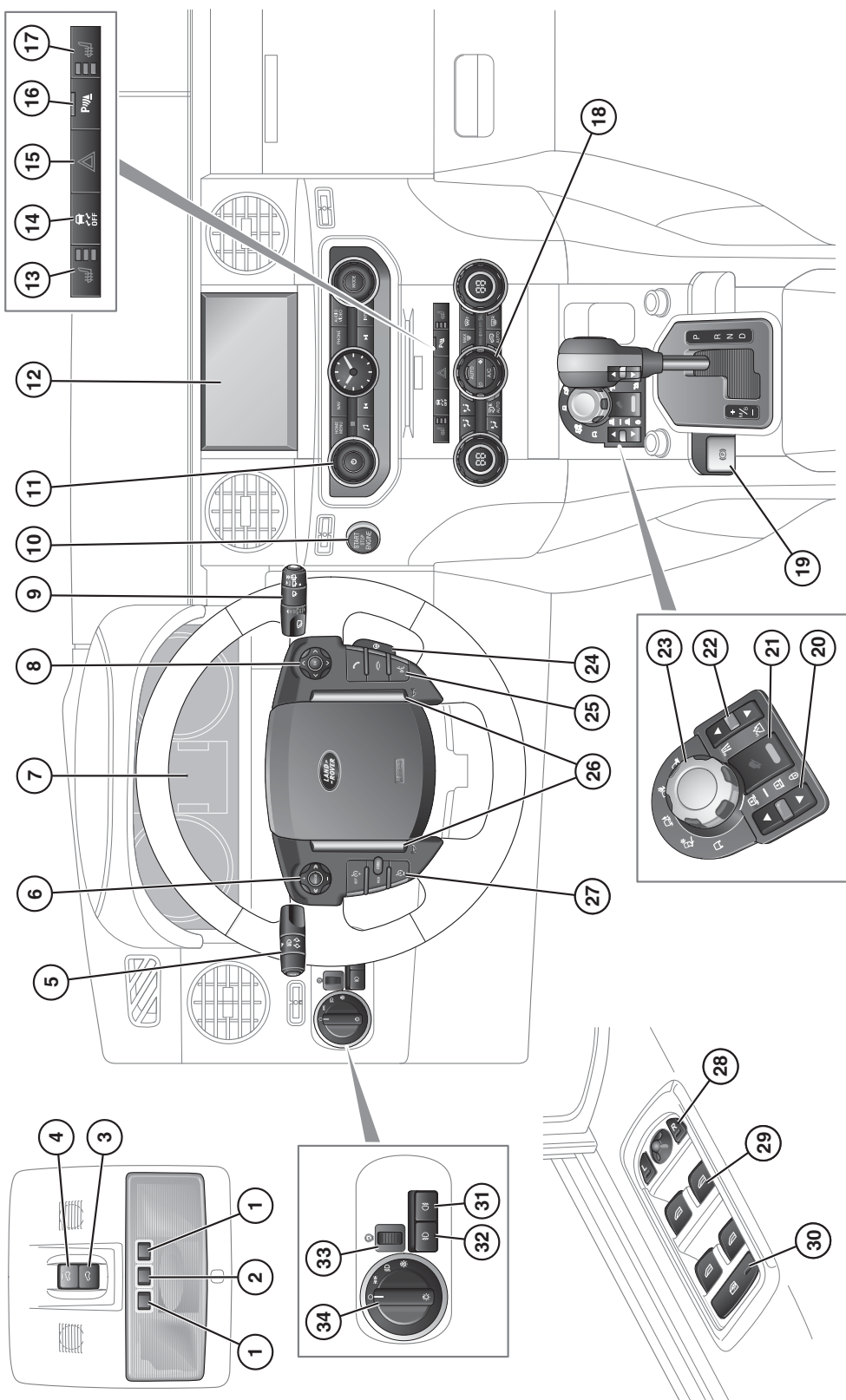
This is the calendar month and year in which the body and power train assemblies were conjoined and the vehicle was driven from the production line.

The vehicle built date is shown on a the tyre pressure label attached to the right-hand B pillar.

Controls overview

CONTROLS

1. Map reading lamp switch (40).
2. Main interior lamp switch (40).
3. Sunroof close switch (45).
4. Sunroof open switch (45).
5. High beam/Direction indicator/Trip computer switch (36/57).
6. Audio system control (103).
7. Instrument pack and message centre (56).
8. Vehicle information menu control (58).
9. Wiper/washer controls (42).
10. START/STOP button (77).
11. Audio system and controls (103).
12. Display/touch screen (109).
13. Left hand heated seat control (59).
14. Stability control off switch (84).
15. Hazard warning light control switch.
16. Parking aid switch (94).
17. Right hand heated seat control (59).
18. Heater/air conditioning control (59).
19. Electric parking brake (90).
20. Air suspension control (86).
21. Hill descent control (HDC) switch (101).
22. Transfer gearbox switch (81).
23. Terrain response switch (99).
24. Heated steering wheel switch (22).
25. Voice recognition switch (138).
26. Horn switches.
27. Cruise control switches (96).
28. Electric mirror controls (47).
29. Electric window controls (45).
30. Electric window rear isolator switch (45).
31. Rear fog lamp switch (36).
32. Front fog lamp switch (36).
33. Instrument illumination dimmer control (36).
34. Main exterior lamp control (36).





ACCESSORIES

WARNING

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ACHTUNG!

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FITTING INSTRUCTION

Undershield

EINBAUANLEITUNG

Underschutz

INSTRUCTION DE MONTAGE

Carter inférieur en tôle

ISTRUZIONI PER L'USO

Carena inferiore

INSTRUCCION DE MONTAJE

Cubierta protectora inferior

INSTRUÇÕES DE MONTAGEM

Protecção da parte inferior do motor

MONTAGEHANDLEIDING

Beschermplaat

ΟΔΗΓΙΑ ΤΟΠΟΘΕΤΗΣΗΣ

Προφυλακτήρας Μηχανής

取付用マニュアル

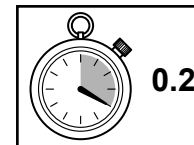
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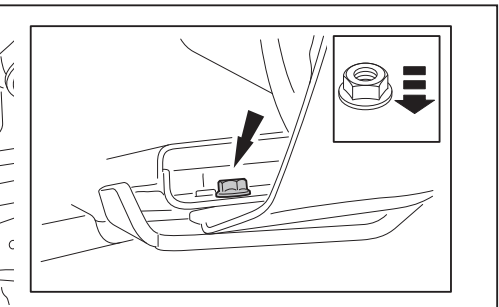
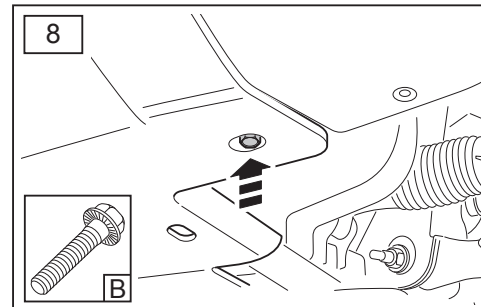
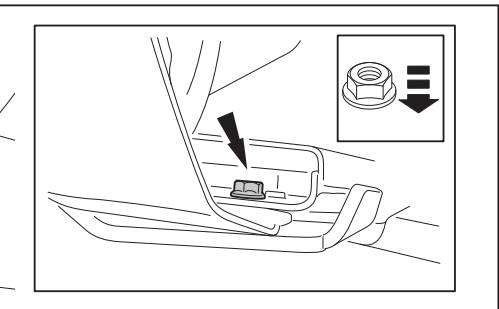
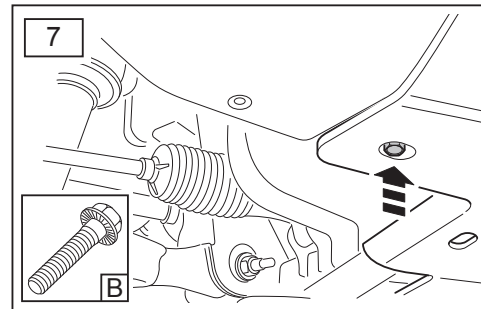
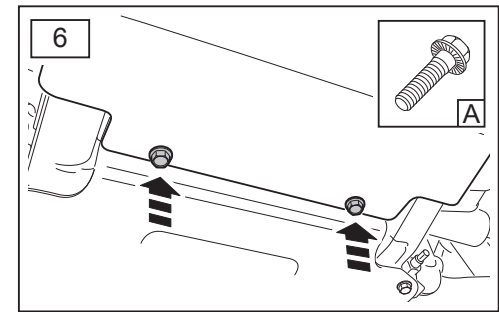
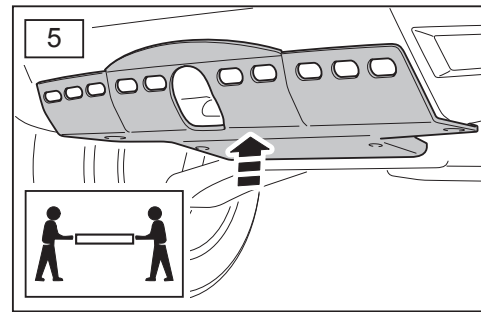
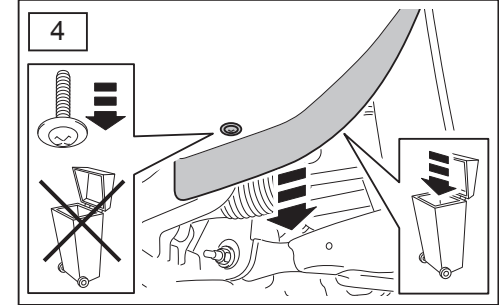
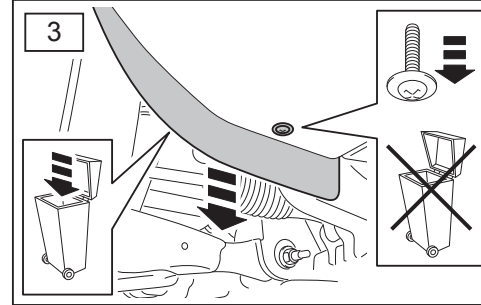
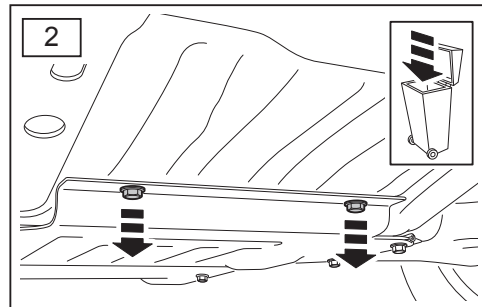
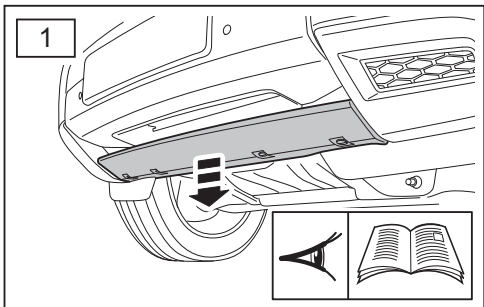
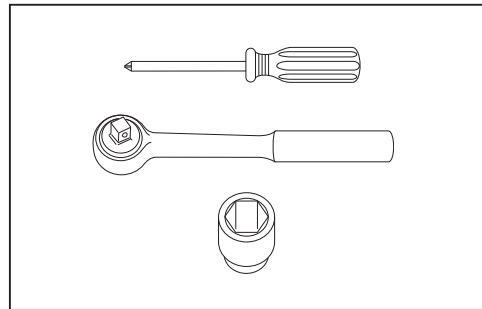
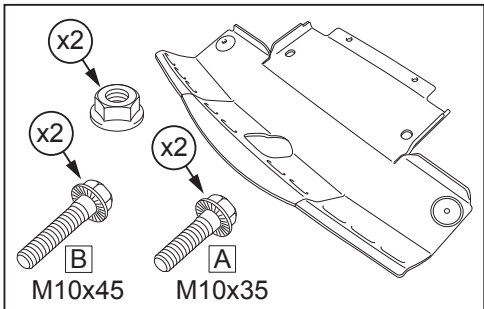
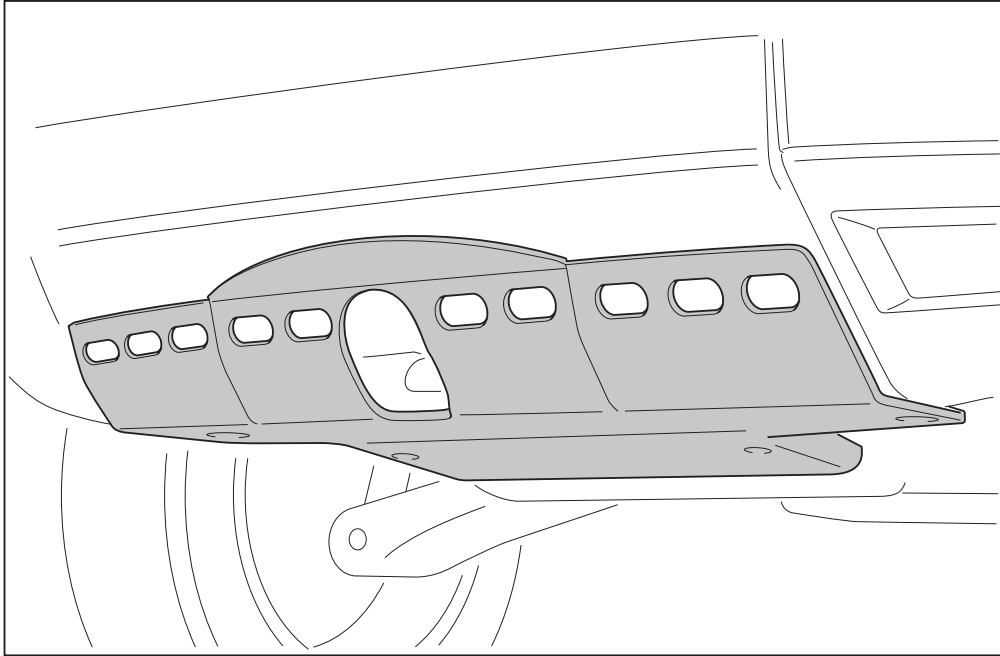
Инструкции по установке

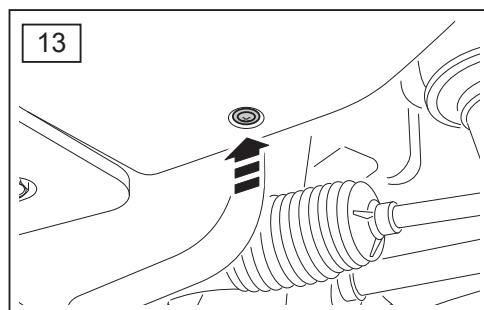
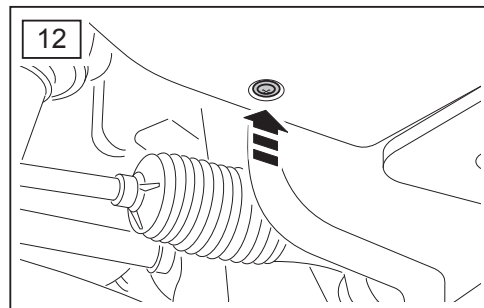
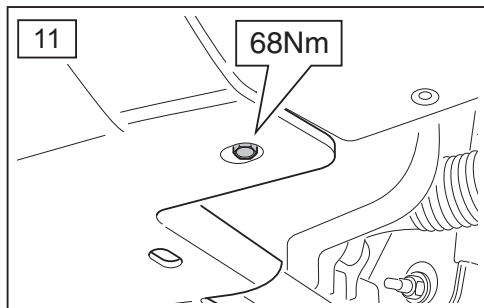
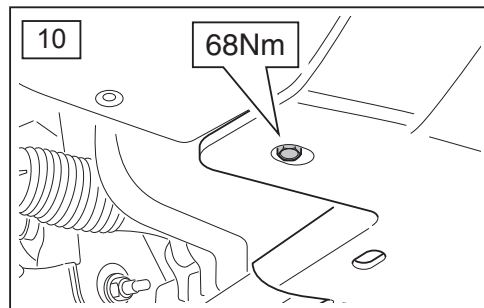
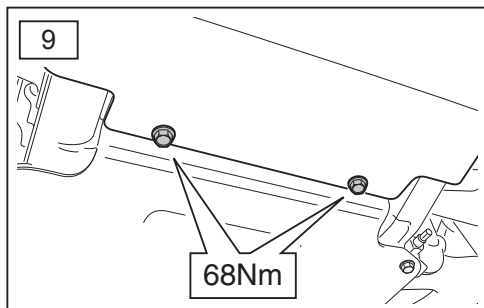
Эащита картера

安装说明

下部挡板









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FITTING INSTRUCTION

Winch Kit

EINBAUANLEITUNG

Wagenheber

INSTRUCTION DE MONTAGE

Kit de treuil

ISTRUZIONI PER L'USO

Corredo verricello

INSTRUCCION DE MONTAJE

Torno

INSTRUÇÕES DE MONTAGEM

Kit de içamento

MONTAGEHANDLEIDING

Onderlenset Voor Lier

ΟΔΗΓΙΑ ΤΟΠΟΘΕΤΗΣΗΣ

Προστατευτικές Εσχάρες Φώτων - Εμπρός

取付用マニュアル

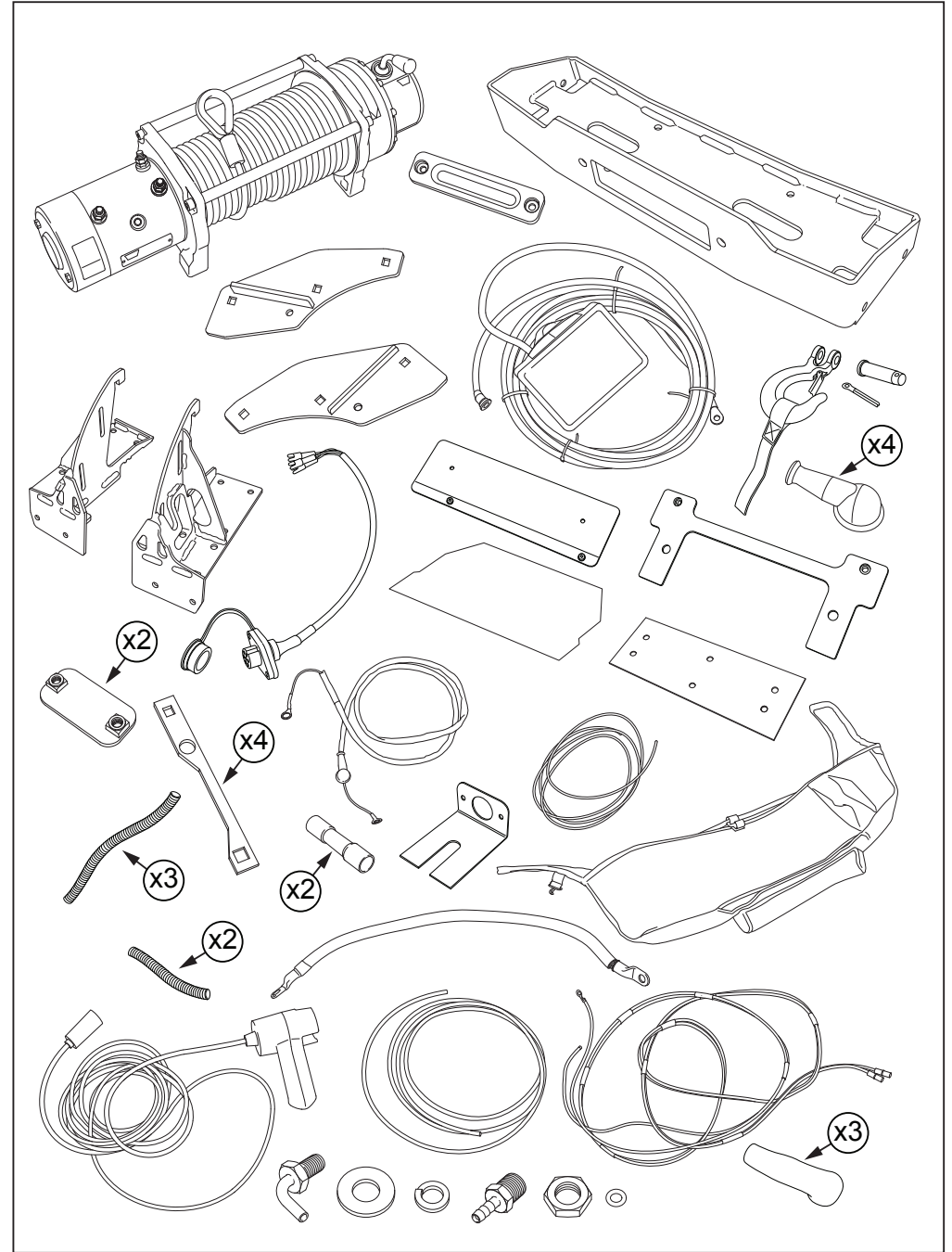
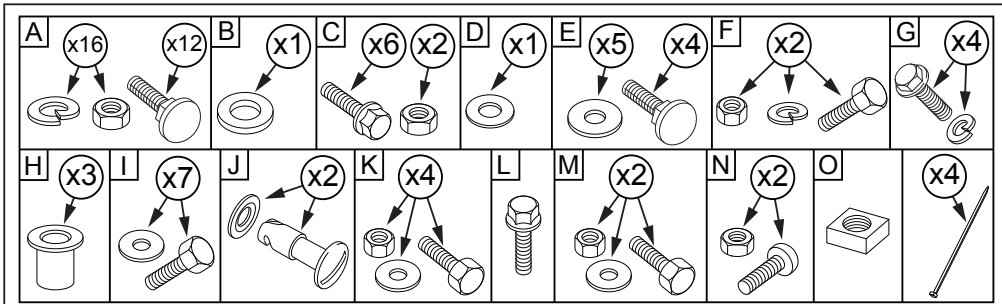
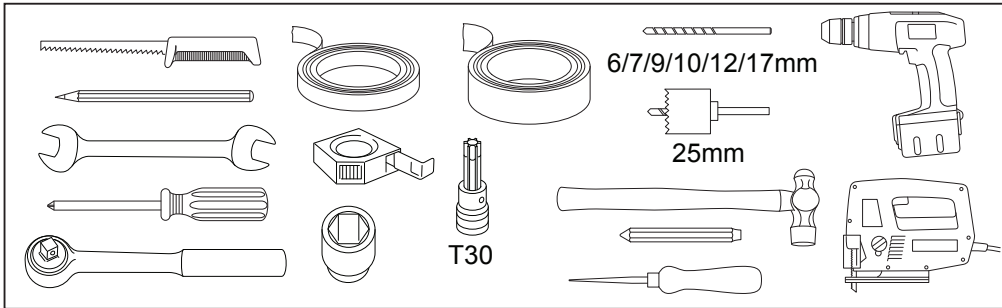
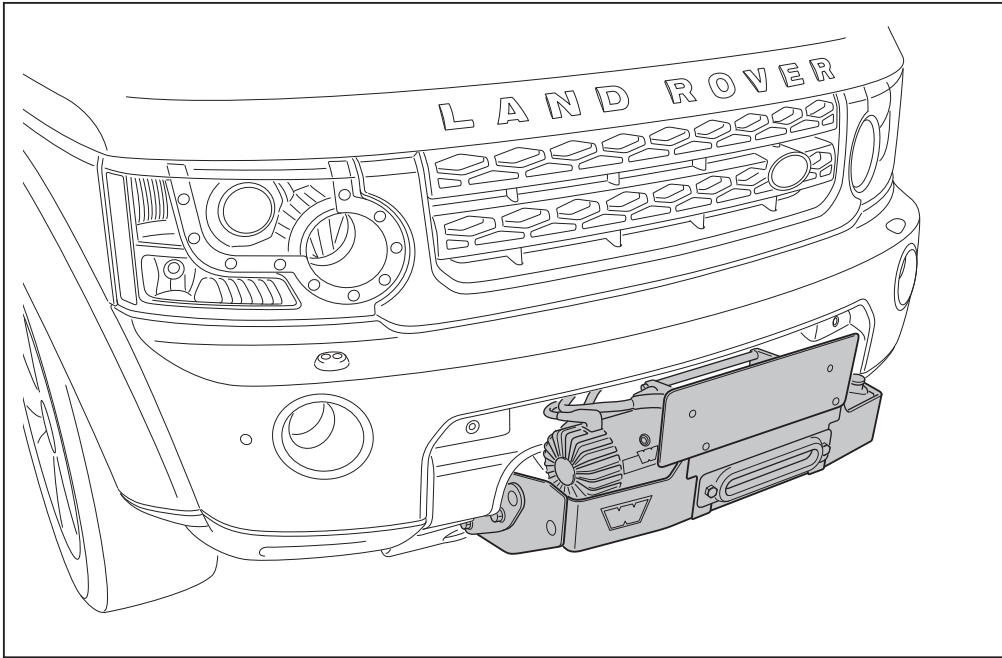
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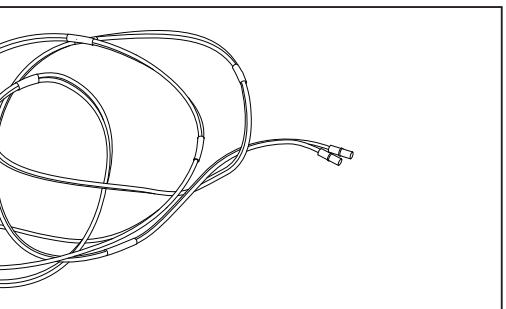
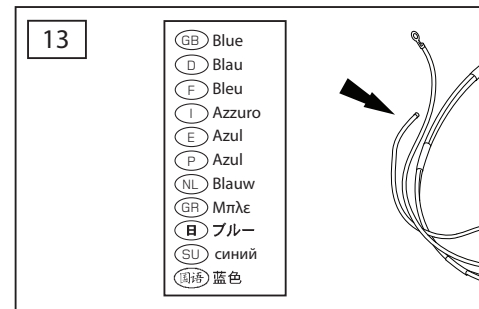
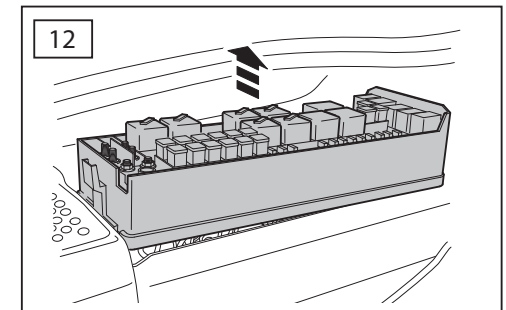
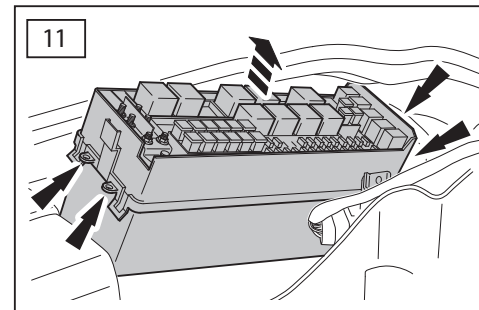
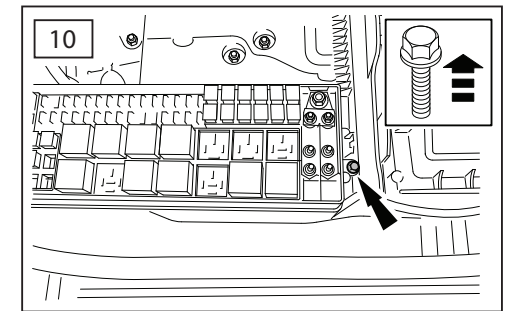
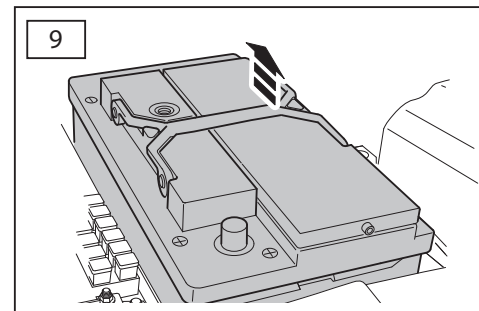
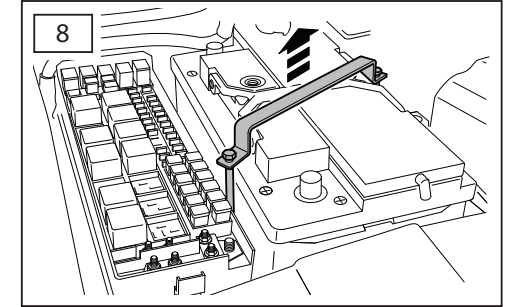
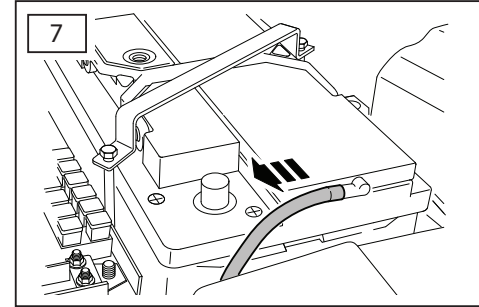
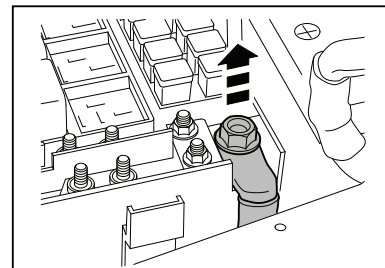
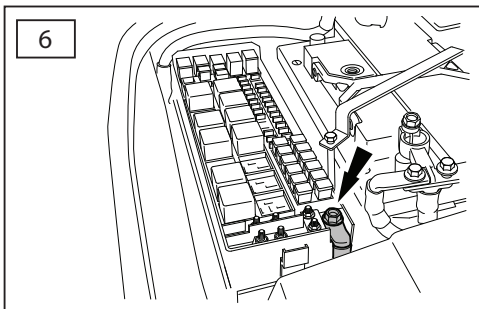
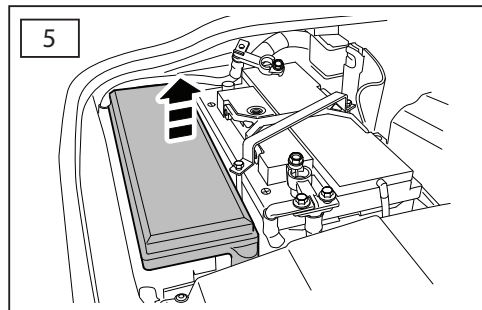
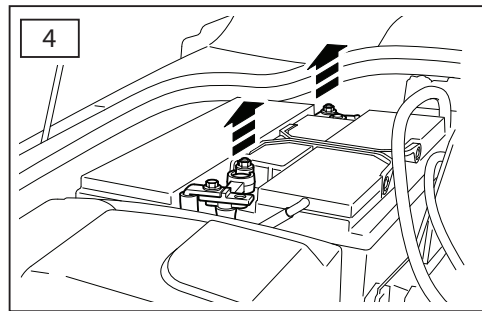
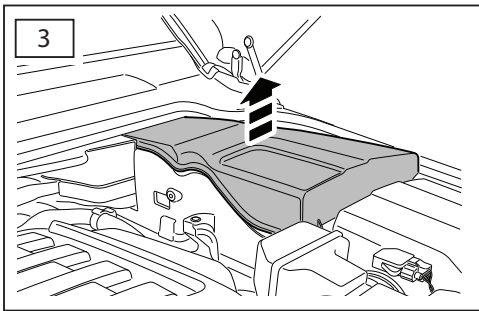
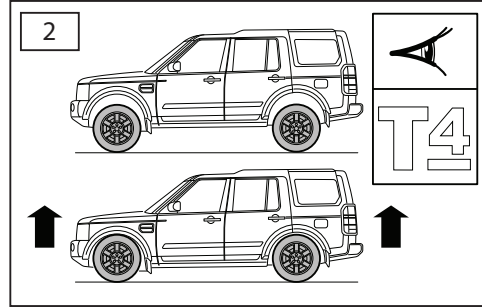
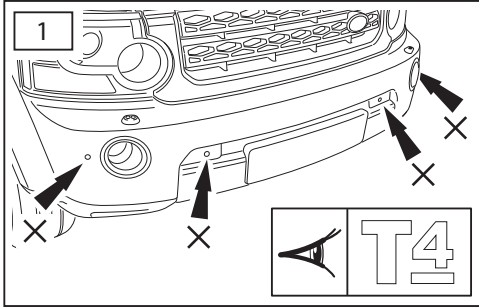
Инструкции по установке

которых набор

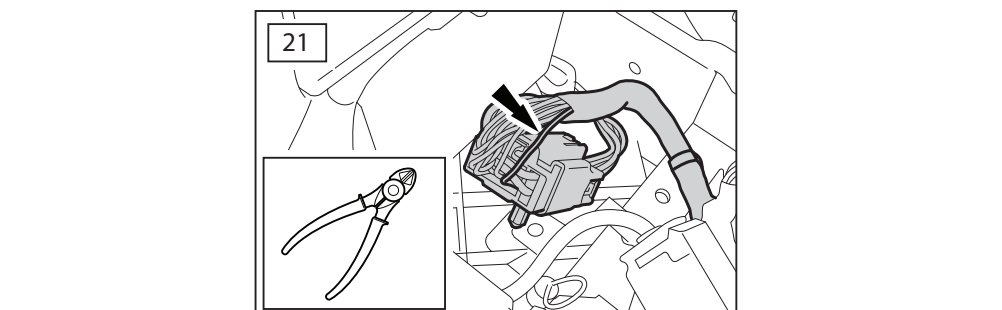
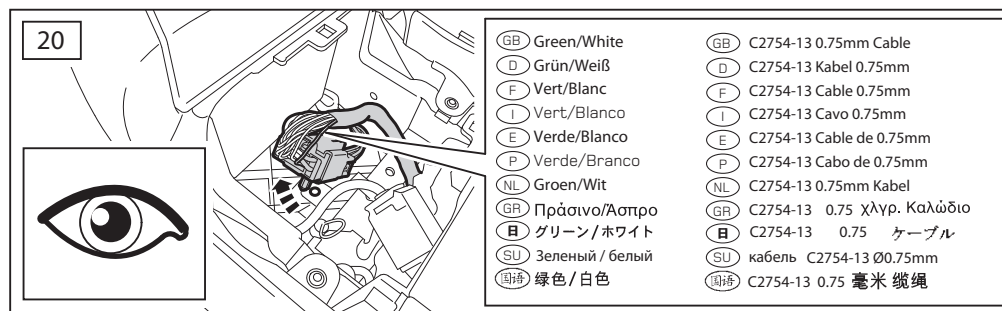
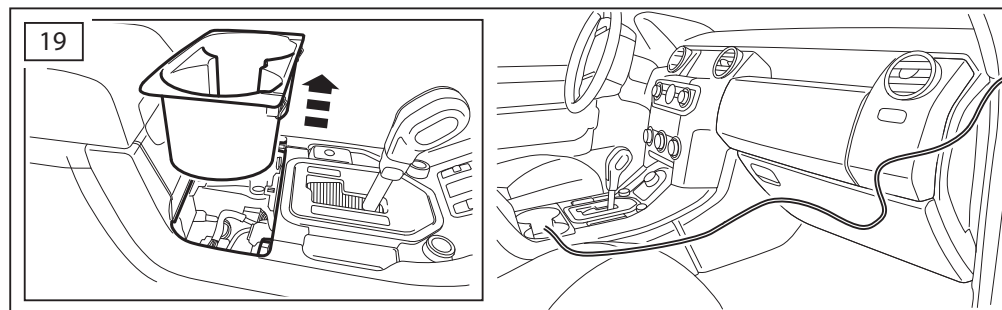
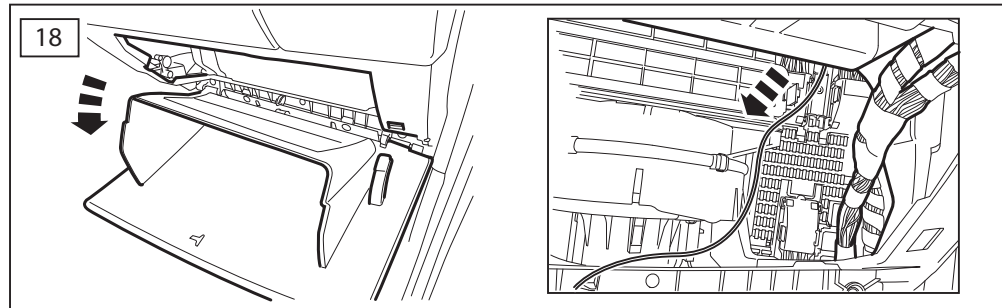
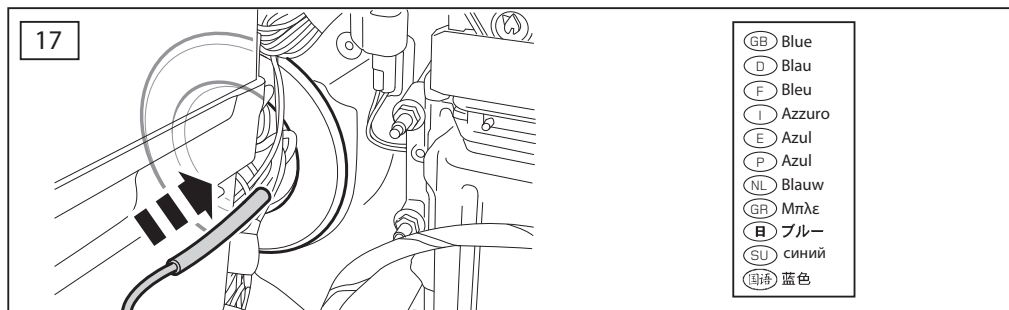
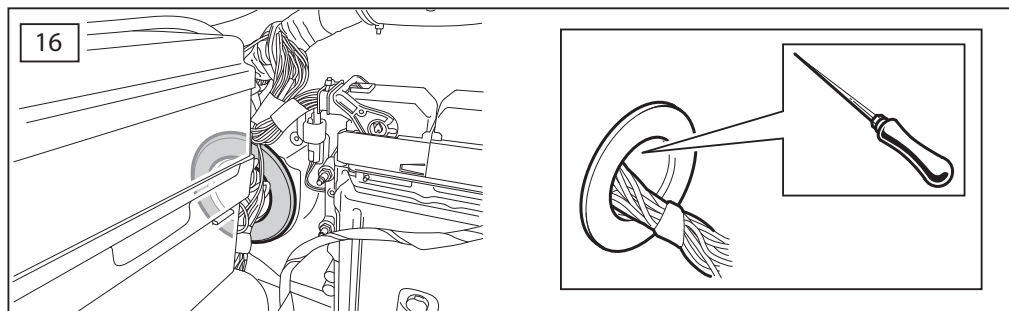
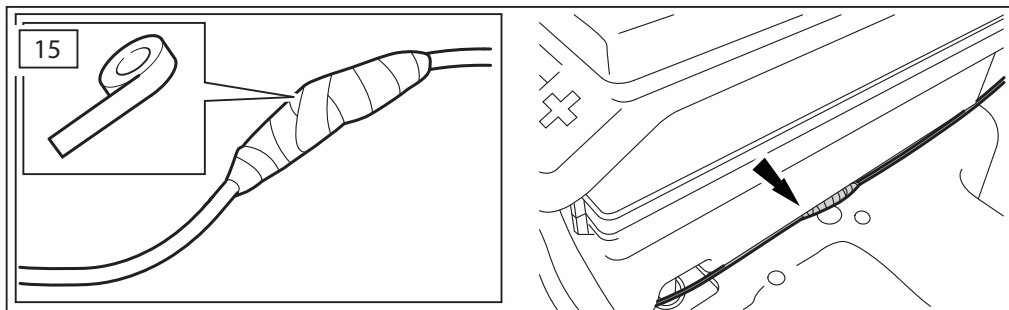
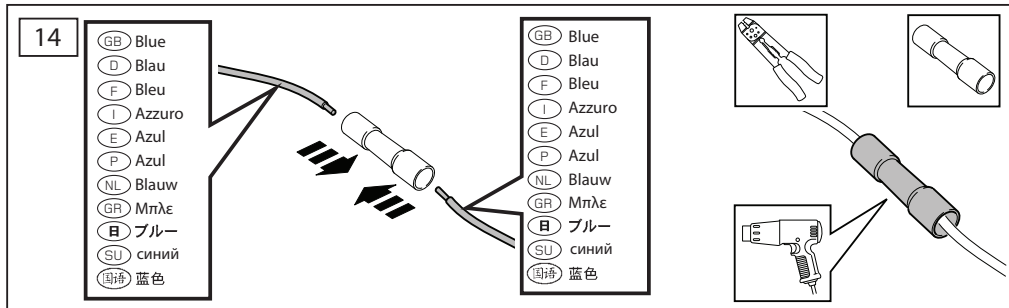
安装说明

绞车套件





- GB Blue
- D Blau
- F Bleu
- I Azzuro
- E Azul
- P Azul
- NL Blauw
- GR Μπλε
- B ブルー
- SU синий
- 中国語 蓝色

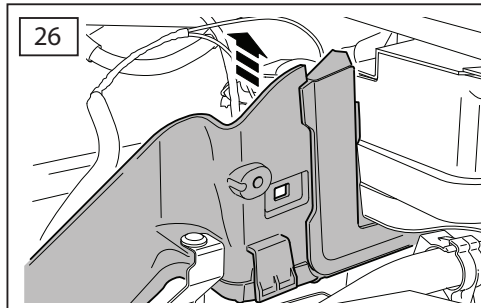
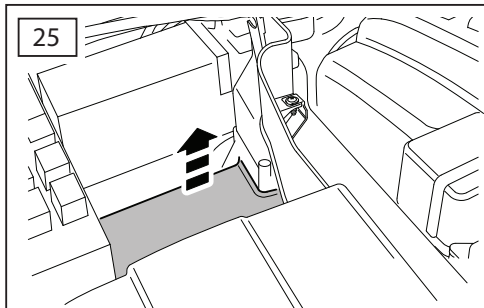
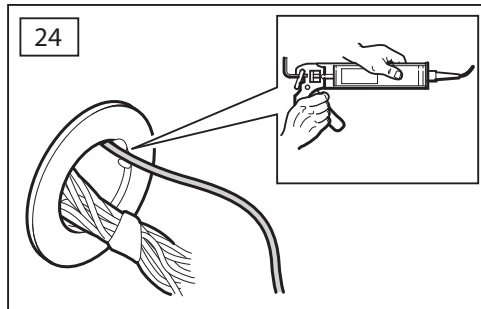
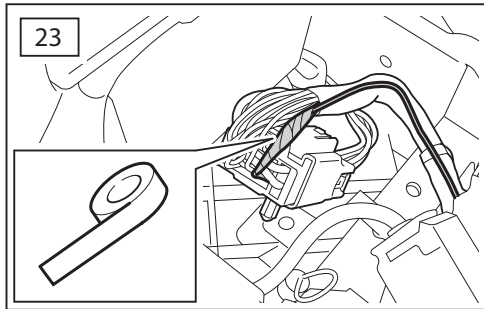




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GB	Blue
D	Blau
F	Bleu
I	Azzuro
E	Azul
P	Azul
NL	Blauw
GR	Μπλε
Я	Блур
SU	синий
国符	蓝色

GB	Green/White
D	Grün/Weiß
F	Vert/Blanc
I	Vert/Blanco
E	Verde/Bianco
P	Verde/Branco
NL	Groen/Wit
GR	Πράσινο/Λαστρο
Я	Грун Ховйт
SU	Зеленый / белый
国符	绿色 白色

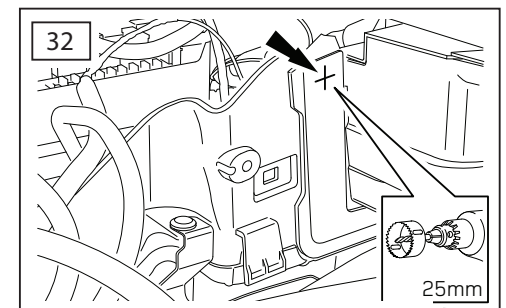
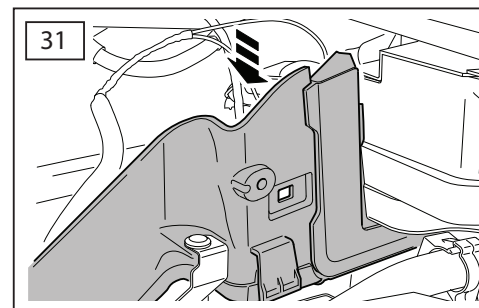
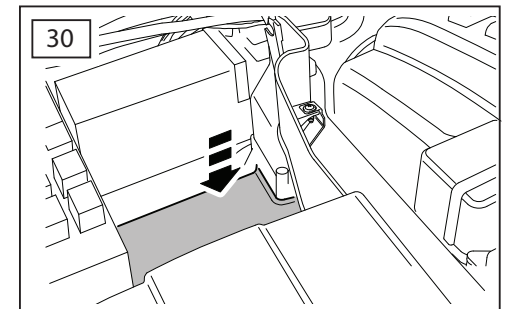
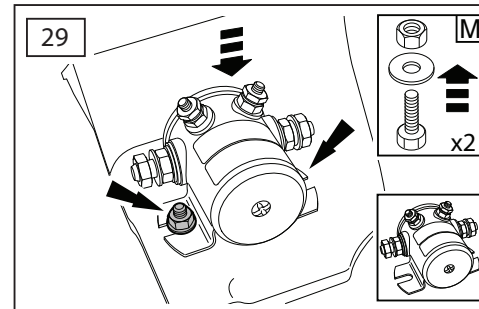
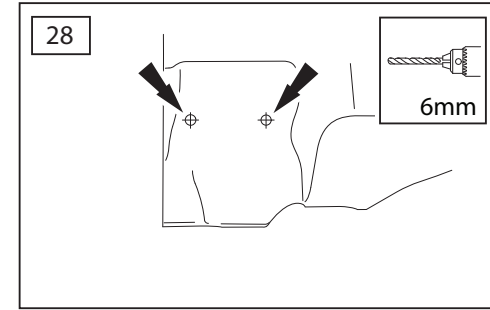


27

70mm

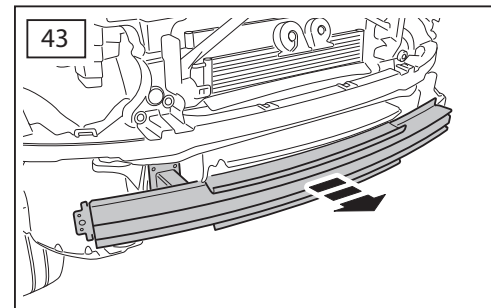
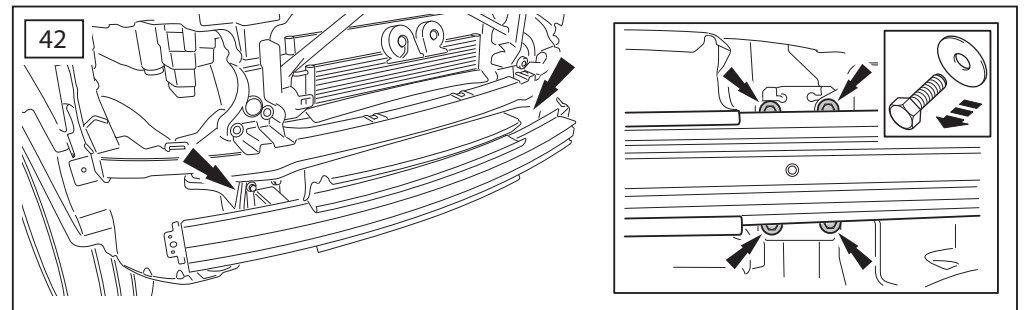
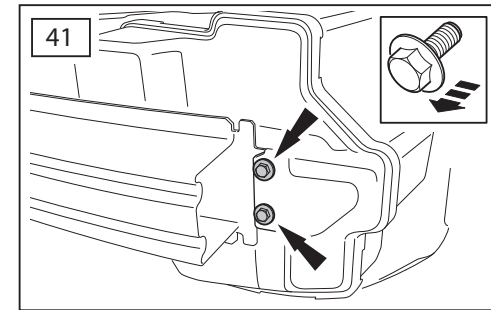
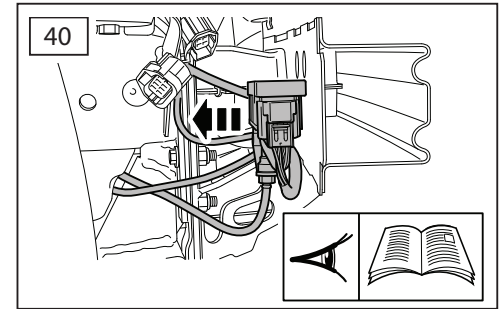
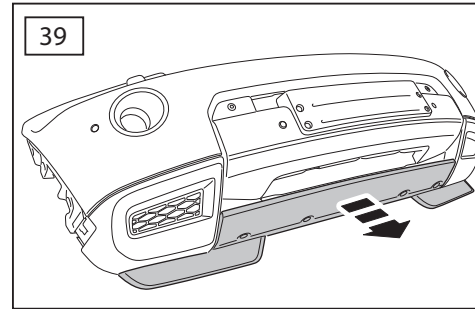
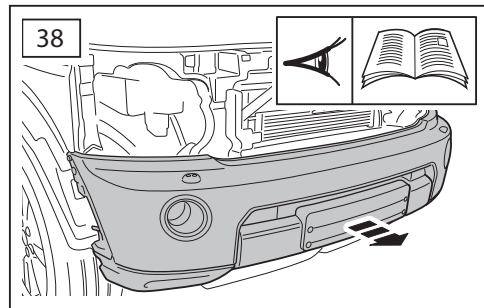
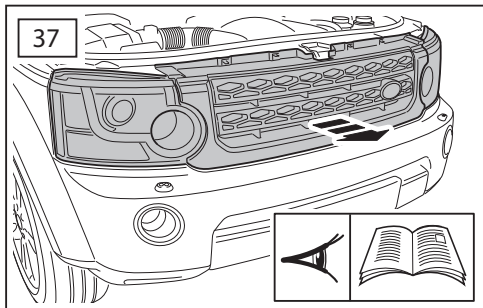
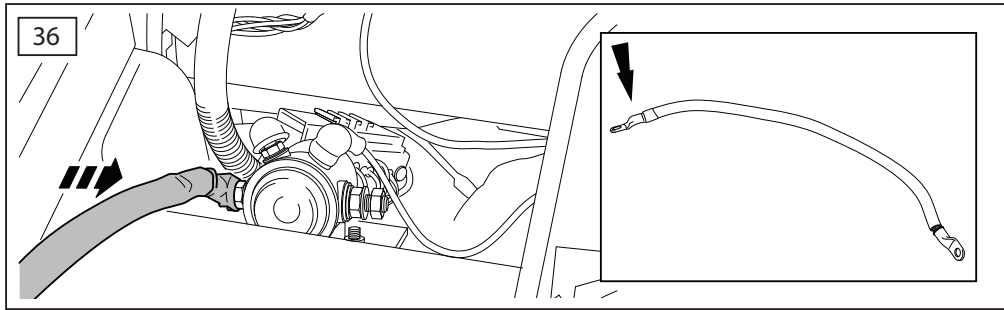
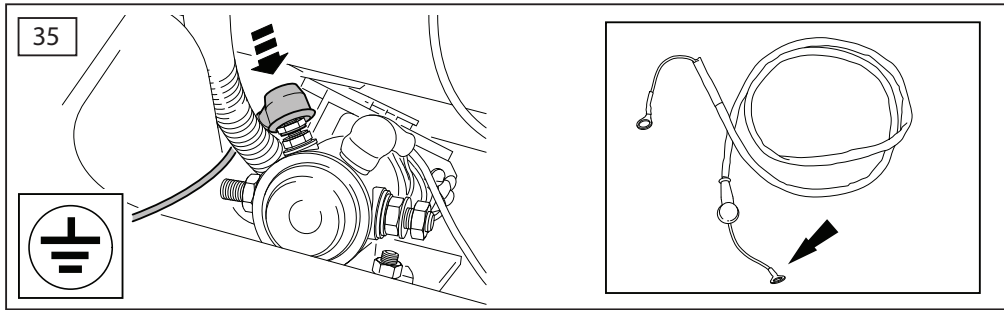
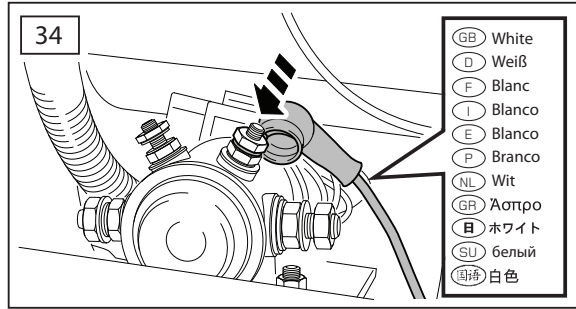
52mm

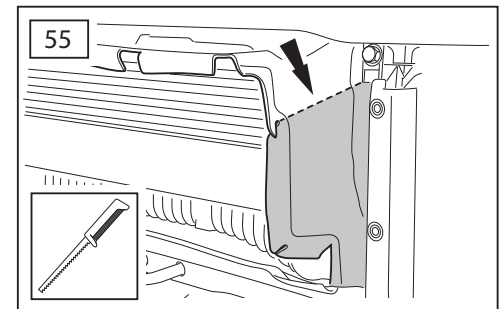
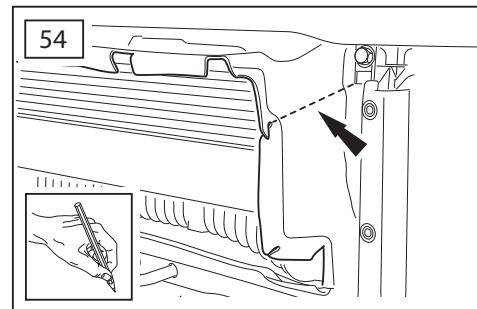
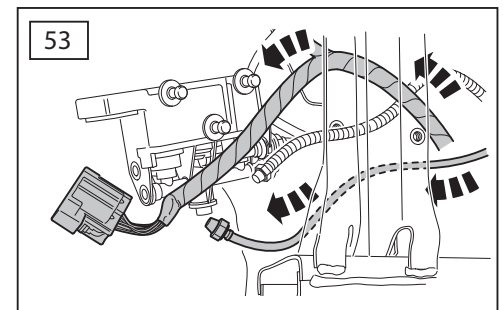
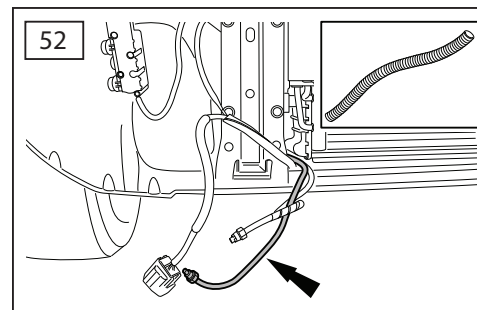
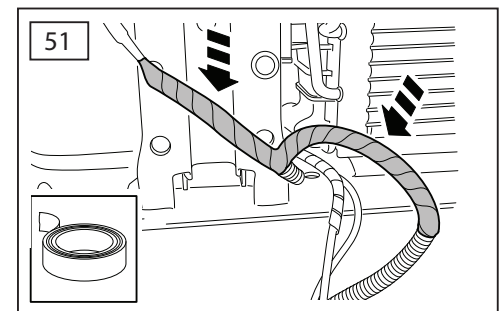
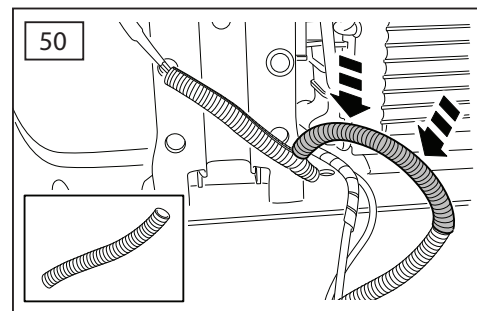
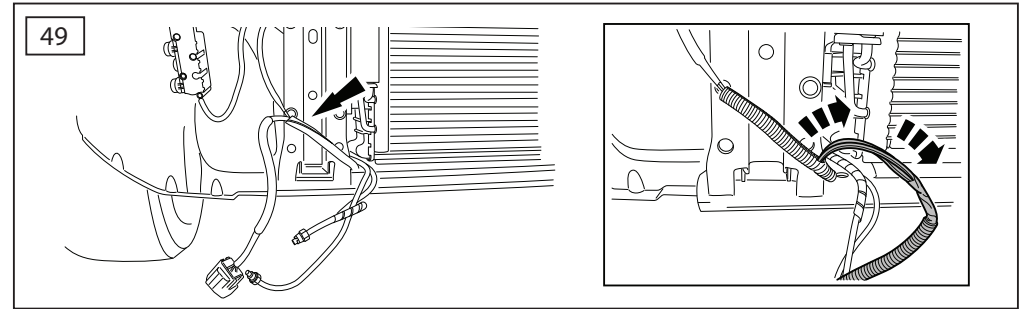
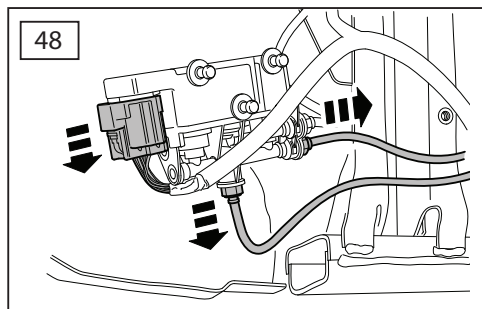
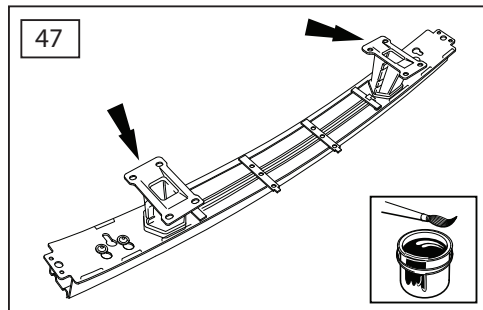
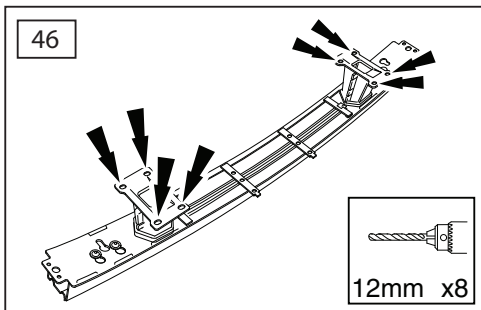
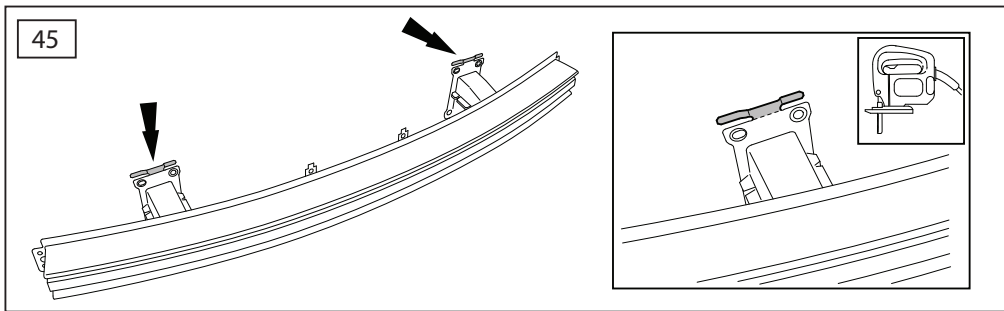
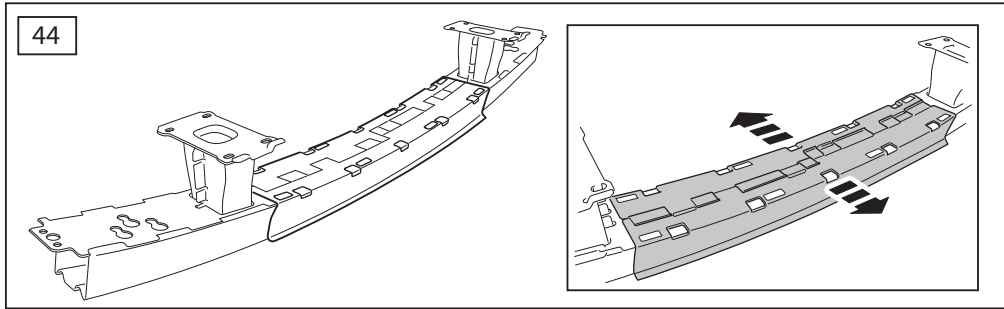
20mm

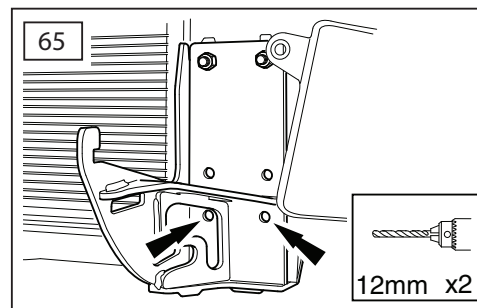
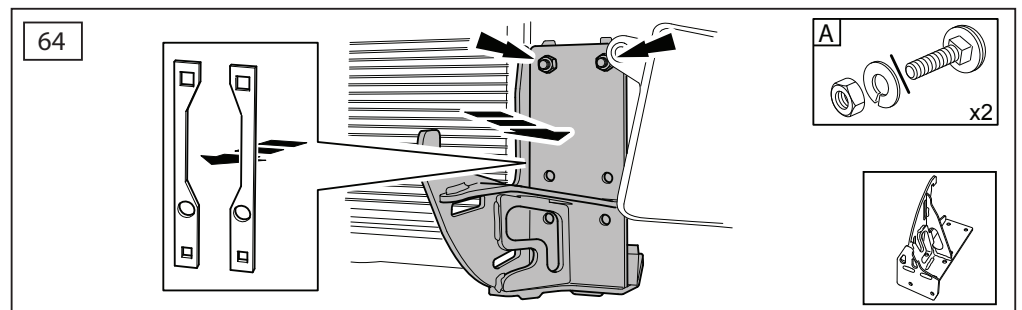
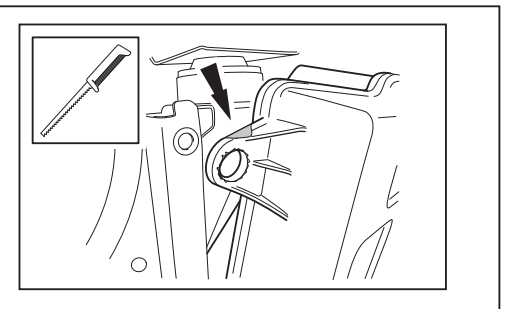
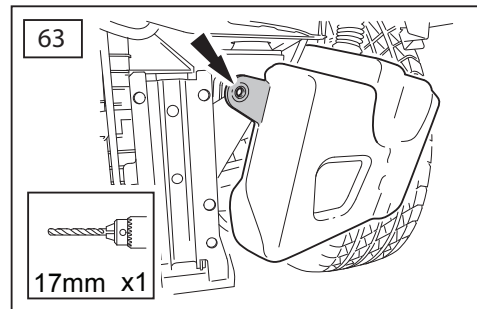
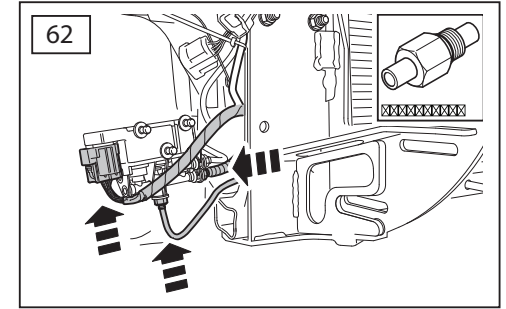
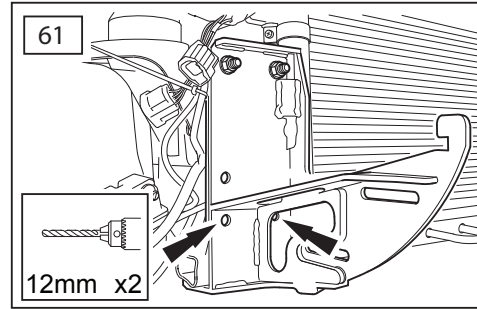
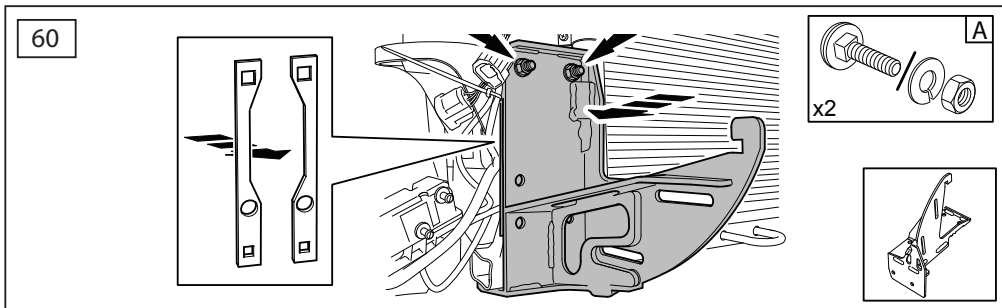
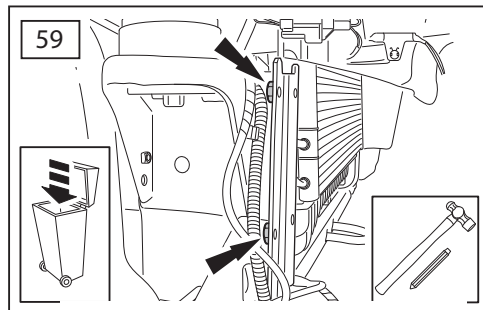
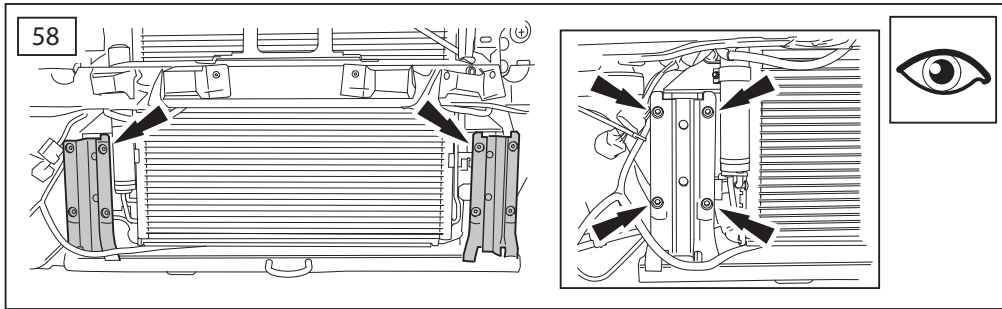
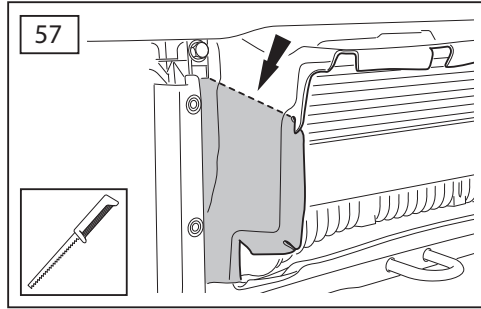
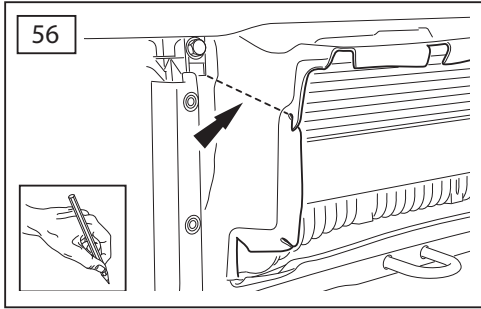


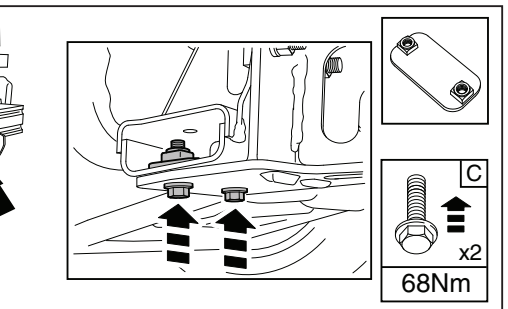
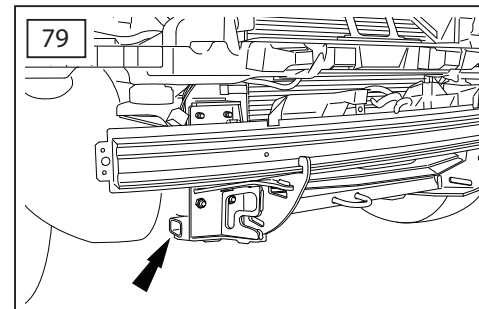
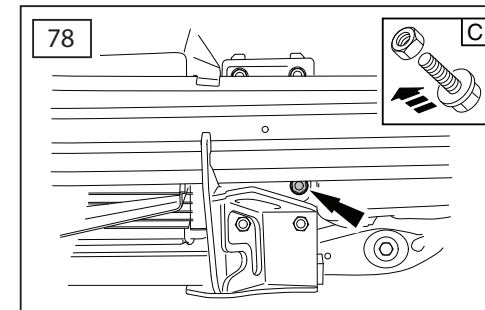
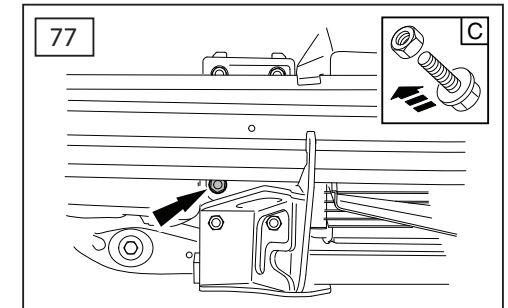
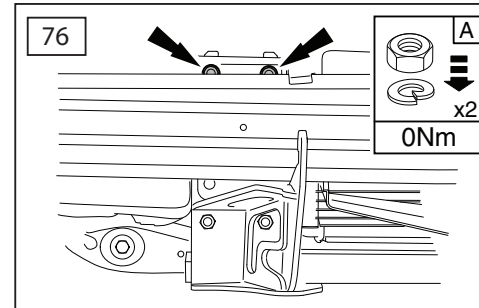
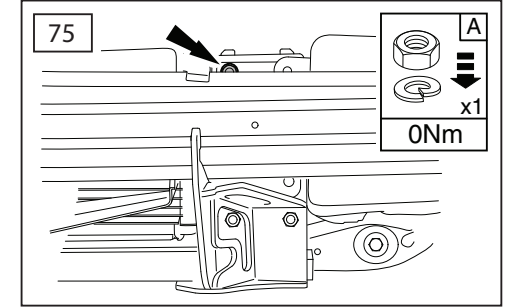
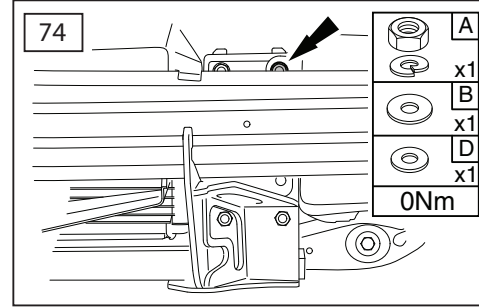
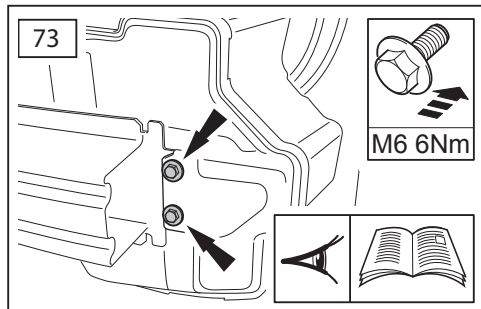
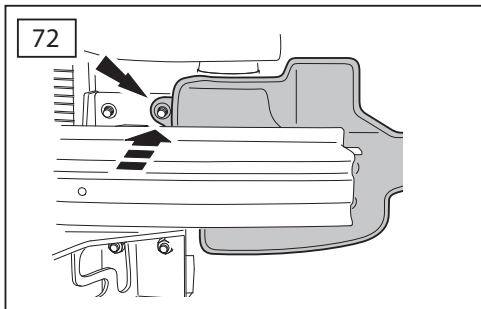
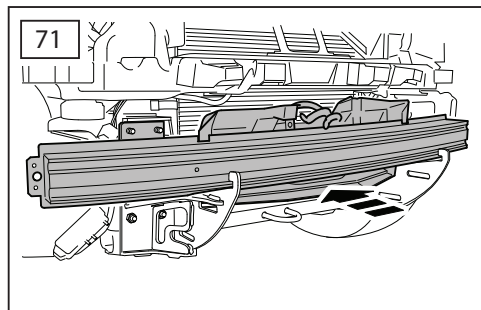
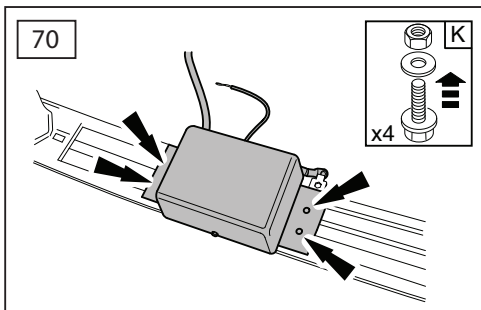
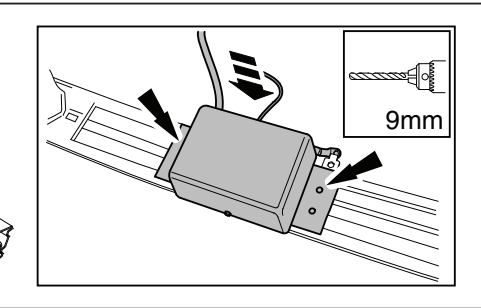
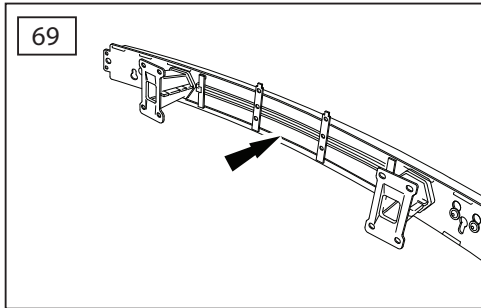
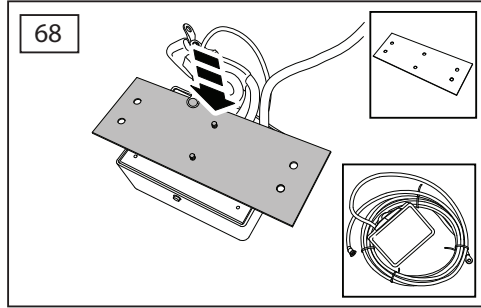
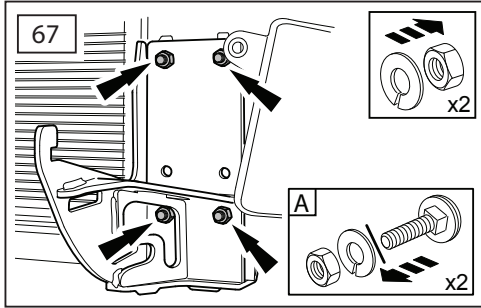
33

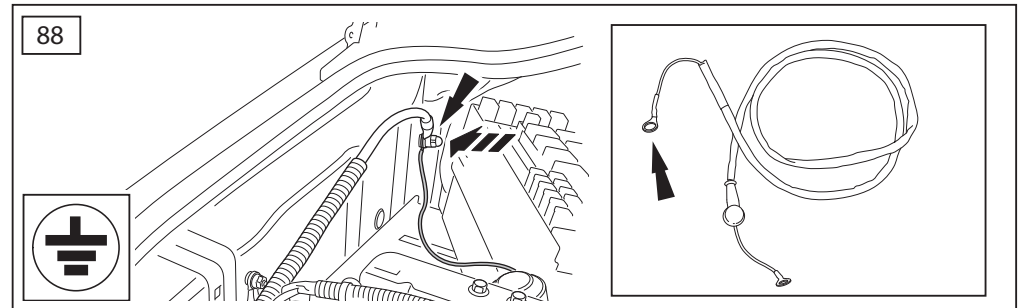
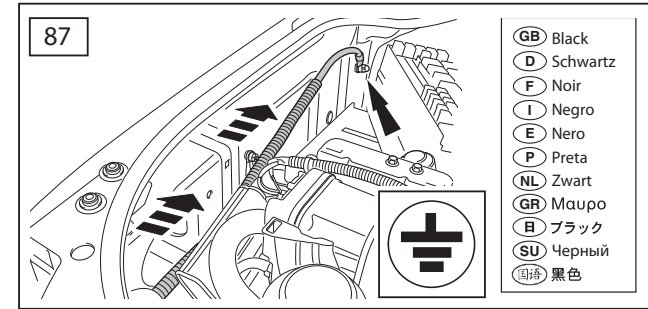
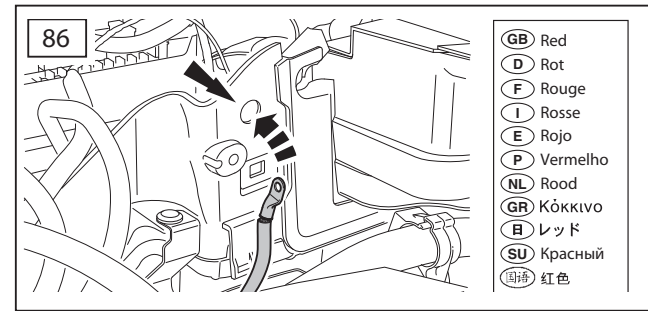
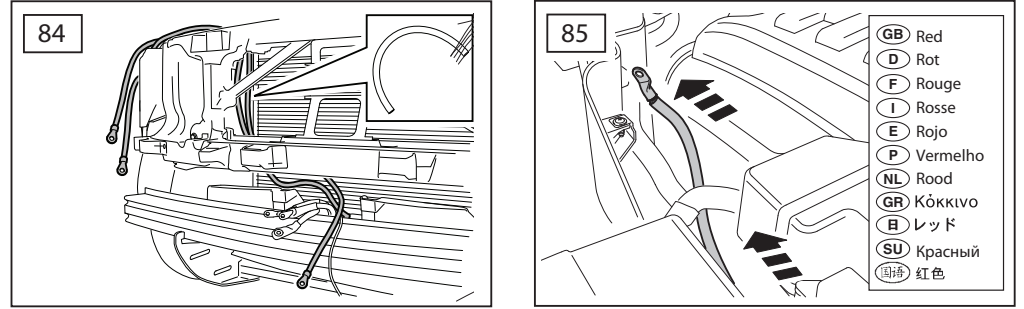
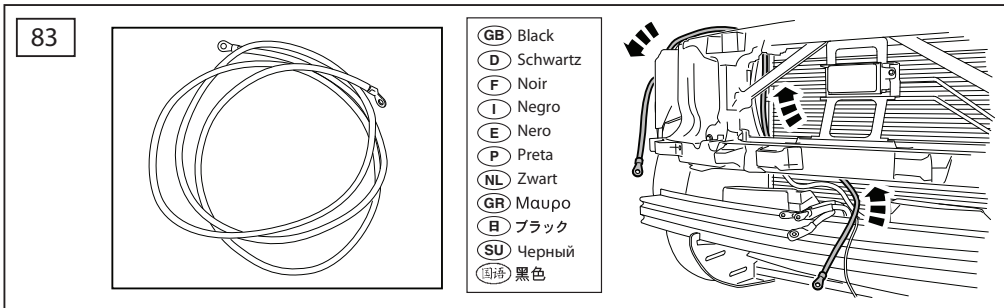
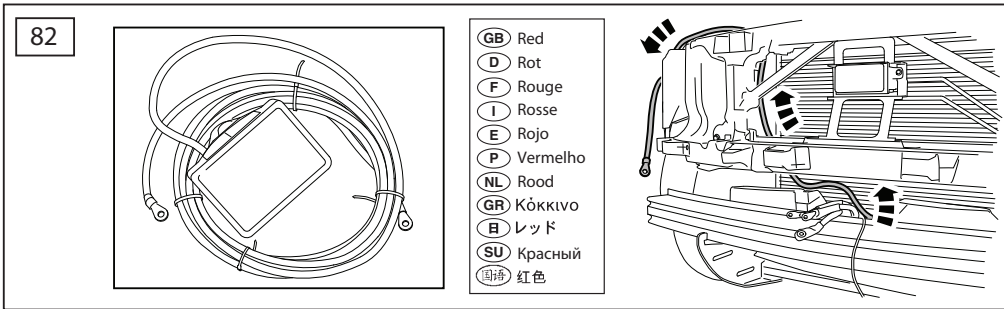
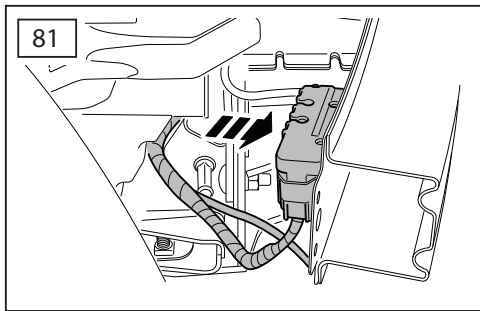
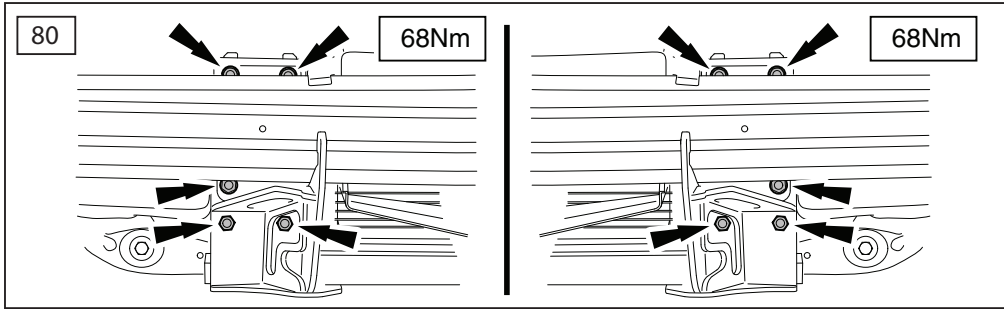
GB	White
D	Weiß
F	Blanc
I	Blanco
E	Bianco
P	Branco
NL	Wit
GR	Λαστρο
Я	Ховйт
SU	белый
国符	白色

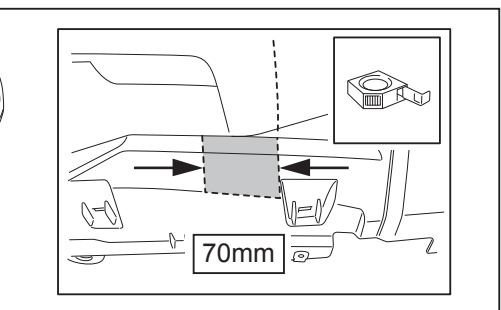
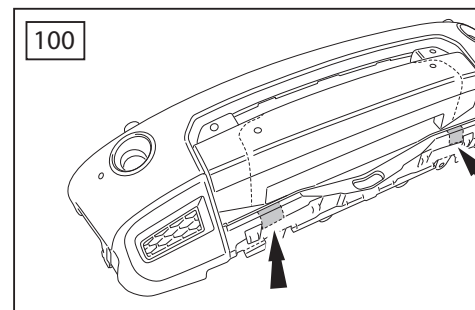
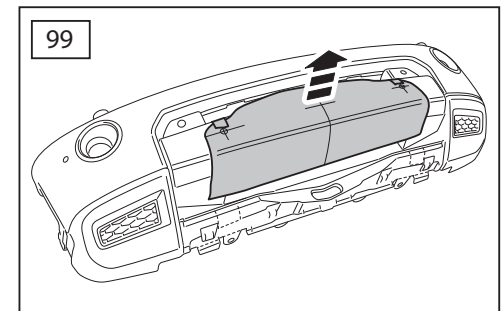
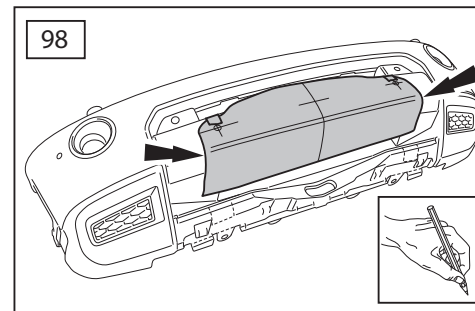
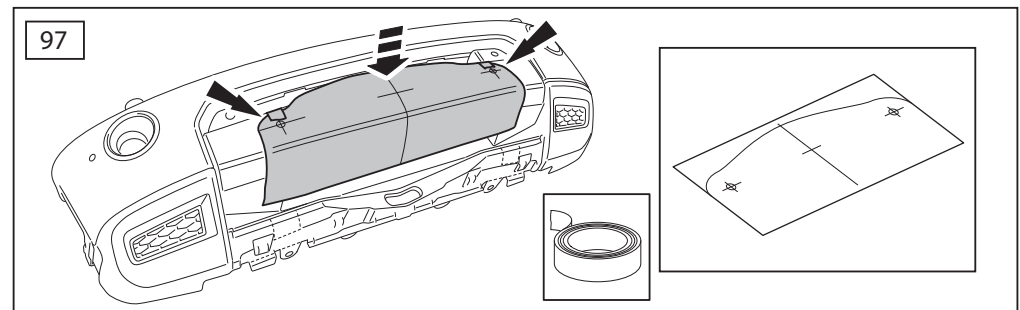
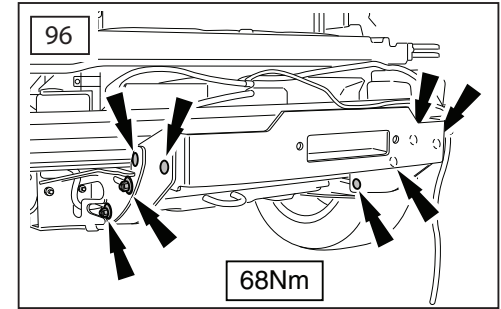
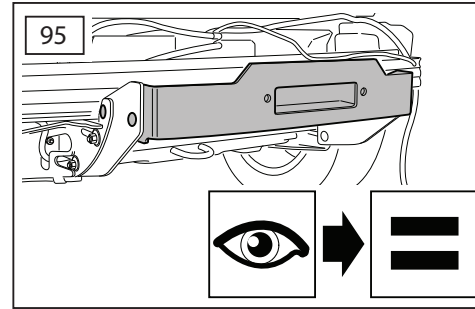
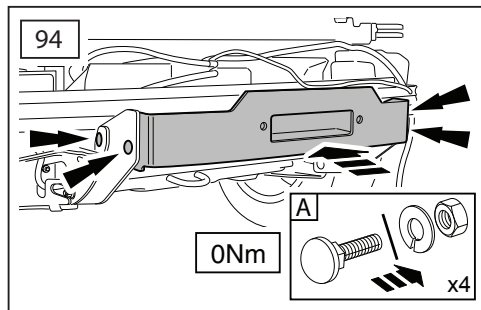
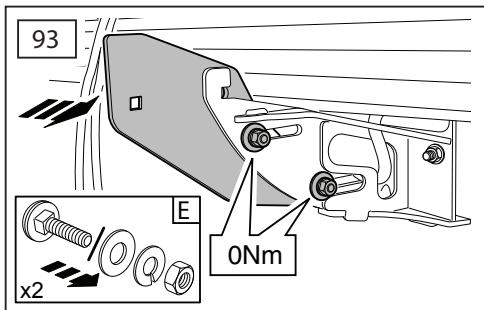
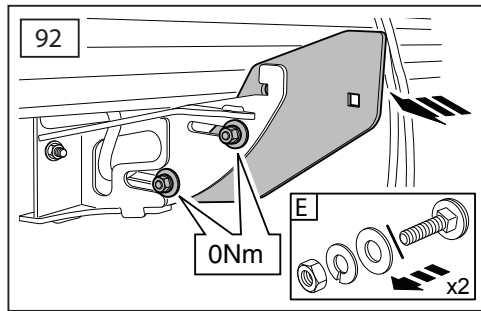
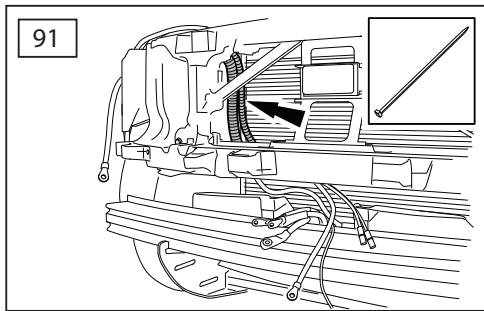
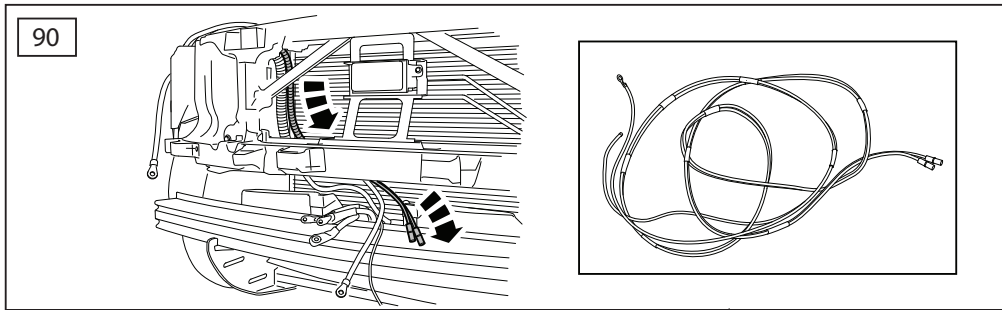
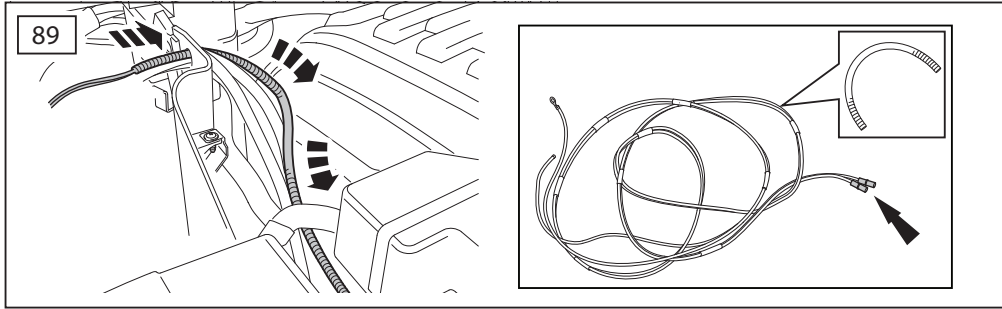


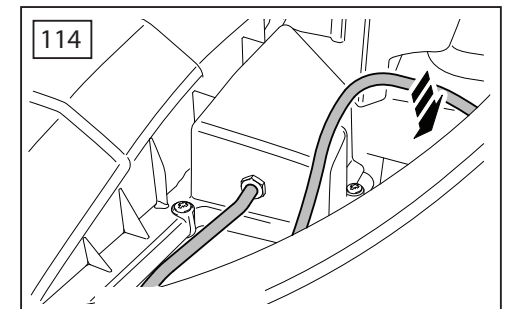
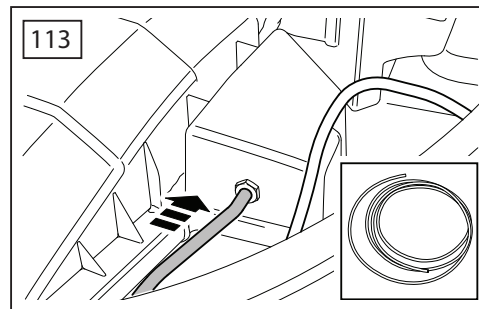
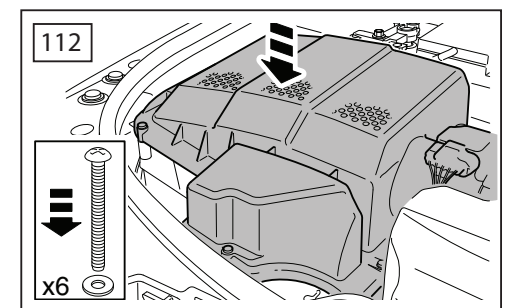
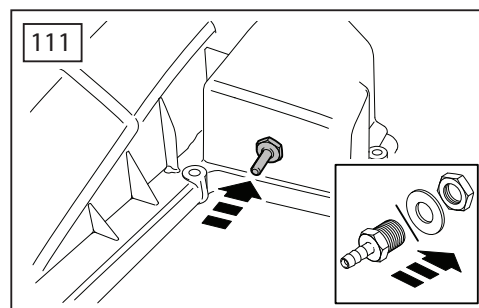
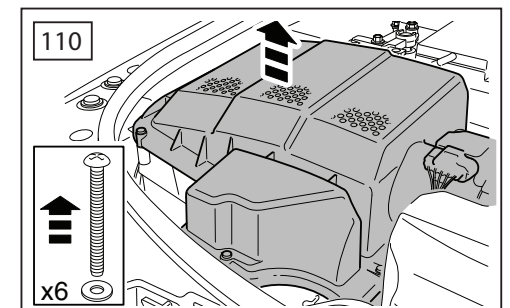
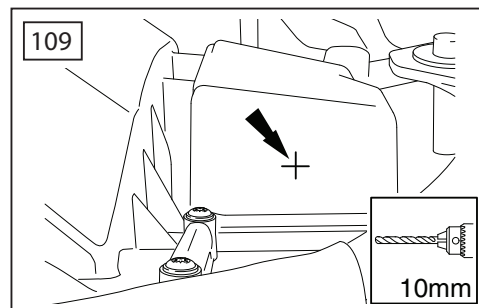
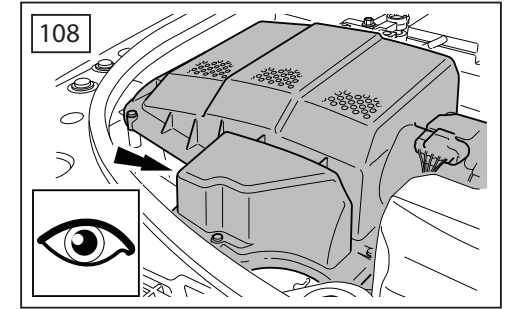
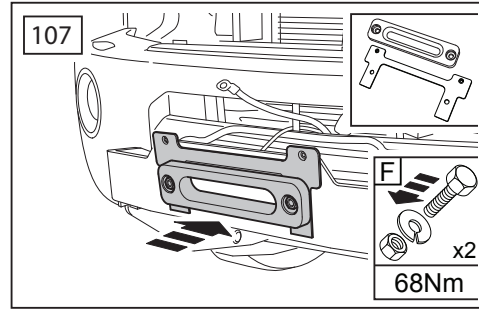
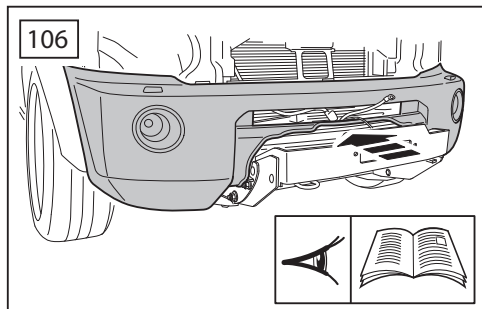
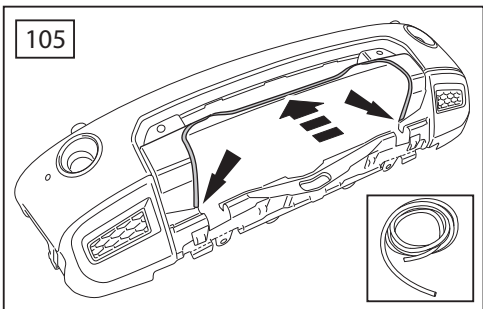
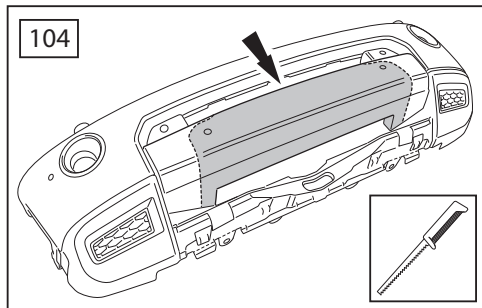
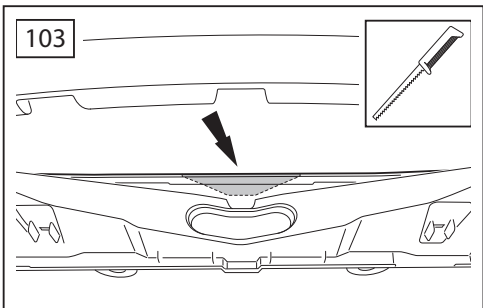
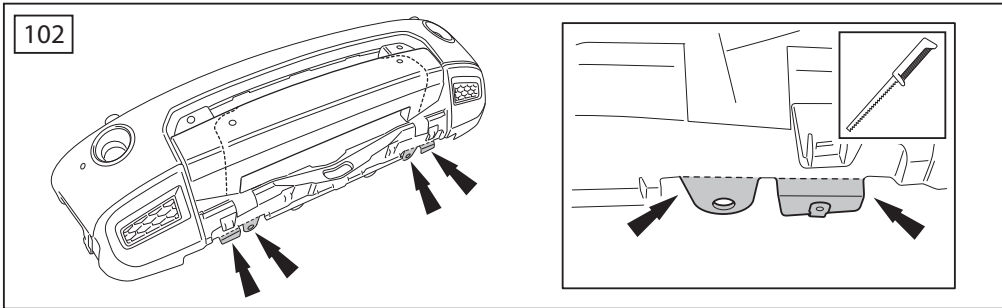
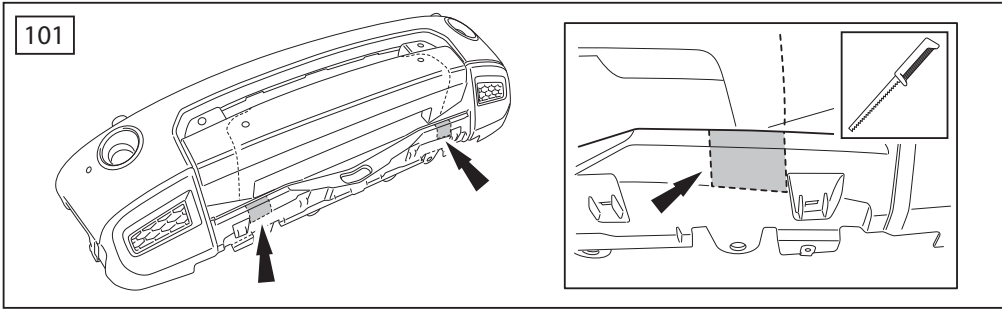


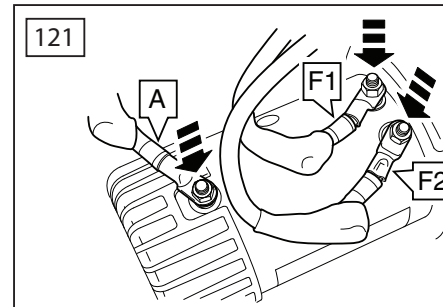
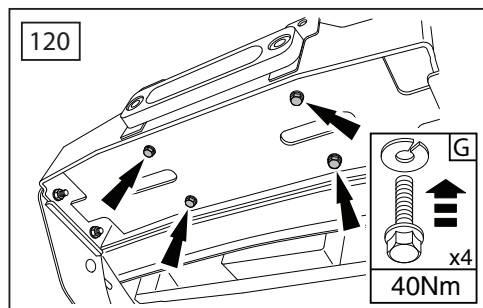
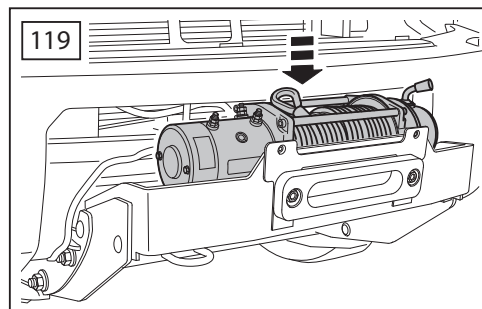
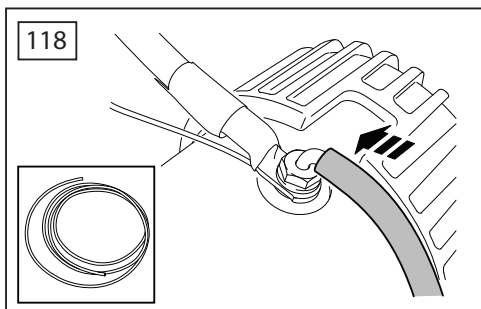
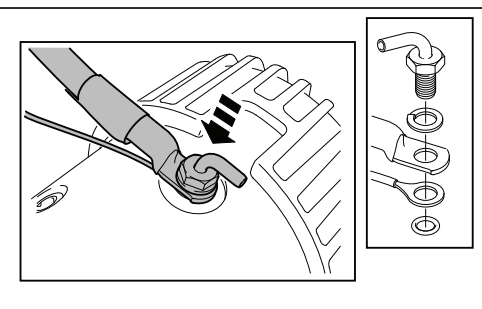
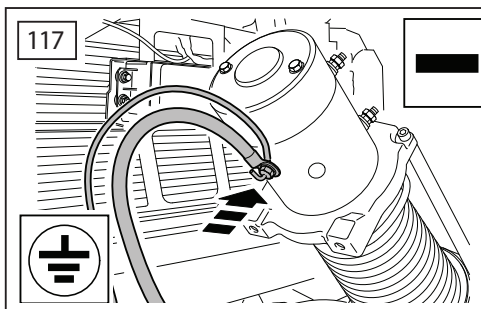
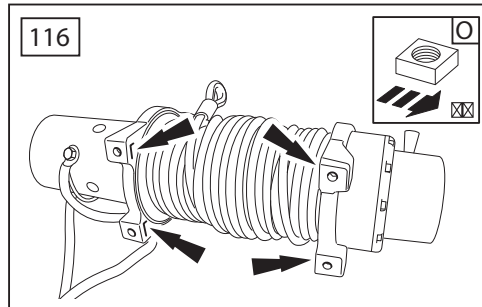
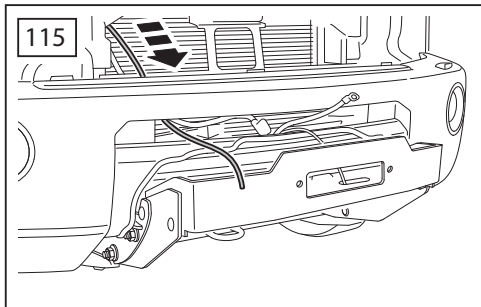












F1	F2	A
(GB) Green	(GB) Blue	(GB) Yellow
(D) Grün	(D) Blau	(D) Gelb
(F) Vert	(F) Bleu	(F) Jaune
(I) Verde	(I) Azzuro	(I) Giallo
(E) Verde	(E) Azul	(E) Amarillo
(P) Verde	(P) Azul	(P) Amarillo
(NL) Groen	(NL) Blauw	(NL) Geel
(GR) Πράσινο	(GR) Μπλε	(GR) Κίτρινο
(B) グリーン	(B) ブルー	(B) イエロー
(SU) Зеленый	(SU) синий	(SU) желтый
(国译) 绿色	(国译) 蓝色	(国译) 黄色

