KEYS AND REMOTE CONTROLS

Caution: Keep the spare remote control in a safe place - NOT IN THE VEHICLE.



LAN0112G

You have been supplied with two remote controls, with integral keys which operate all of the vehicle's locks.

The operation of all remote control buttons, on all remote controls, will be inhibited while a key is in the starter switch.

Note: *The remote control may not operate correctly in areas that are subject to interference from other radio equipment operating on a similar frequency. Areas where, for example, equipment such as amateur radio, medical devices, telecommunications equipment or other remotely operated alarms are in use may cause difficulty. If such difficulties are experienced, try to operate the remote control as close as possible to the vehicle, or use the key in the door lock. See* ***Emergency locking/unlocking, 49****.*

The remote controls supplied with your vehicle are programmed to your security system - the engine cannot be started without a remote control programmed to your vehicle.

Note: *Should a remote control be lost or damaged, a replacement can only be obtained from your Land Rover Dealer, where it will be programmed to your vehicle. The dealer will require proof of ownership, and keep a log of all enquiries for replacement remote controls.*

It is advisable to notify your dealer as soon as possible if a remote control is lost or stolen, and have the remaining remote control reprogrammed. This will prevent access to the vehicle using the lost/stolen remote control.

Remote control battery

Caution: The remote control contains delicate electronic circuits and must be protected from impact and water damage, high temperatures and humidity, direct sunlight and the effects of solvents, waxes and abrasive cleaners.

The battery is rechargeable. The fact that the battery needs recharging will be apparent from the following:

- **KEY BATTERY LOW** will be displayed in the main message centre.
- A gradual deterioration in range and performance will be noticed.

Battery recharge

Insert the key into the starter switch and start the engine. This will start to recharge the remote control battery.

SECURITY SYSTEM

The security system fitted to your vehicle is Thatcham category one approved, and meets European regulation 97 and directive 95/56/EC.

Security Information

For your own safety, and that of the vehicle, when the vehicle is left unattended:

- Apply the parkbrake.
- Remove all keys and remote controls from the vehicle prior to locking the doors.
- Close all doors, windows, luggage compartment (including blind), sunroof, and glovebox.
- Park the vehicle where it is visible (a well lit area after dark).
- Keep your vehicles keys safely out of sight.
- NEVER leave children or pets unattended in the vehicle.
- NEVER leave luggage or valuables on display.

LAND ROVER BUTTON

Customer programmable button

WARNING

Be aware that the previously programmed feature will be activated when the button is initially pressed to start the programming sequence.



LAN0128G

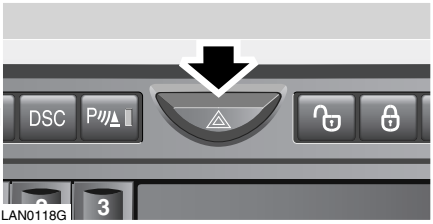
The fourth button on the remote control - marked with the Land Rover logo - can be programmed to give remote operation of one of the following functions:

- panic alarm.
- headlamp courtesy delay.
- air suspension control.
- tailgate release.
- tailglass release.

Note: *Programming and subsequent use of the Land Rover button will not occur if the key is in the starter switch.*

REMOTE CONTROL PROGRAMMING

Panic alarm



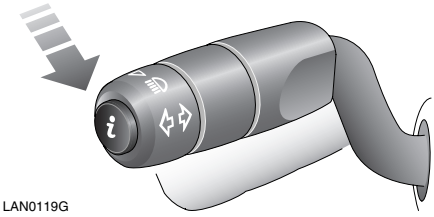
Programme by keeping the Land Rover button pressed and also pressing the hazard warning lamps button on the instrument panel. A chime from the instrument panel will confirm successful programming.

A short press of the button will now cause the vehicle's alarm to be sounded and the hazard warning lamps to flash.

The alarm is turned off by inserting the key in the starter, or pressing the lock or unlock buttons on the remote control.

Note: *In some countries it is an offence to activate the panic alarm for any purpose other than an emergency.*

Headlamp courtesy delay



Programme by keeping the Land Rover button pressed and also flashing the headlamps. A chime from the instrument panel will confirm successful programming.

A short press of the Land Rover button will now cause the vehicle's headlamps to illuminate for the length of time specified in Settings. See **SELECTING SETTINGS OPTION, 88**.

A second press of the button after three seconds will deactivate the lamps.

Air suspension control

Programme by keeping the Land Rover button pressed and also pressing the suspension control switch. A chime from the instrument panel will confirm successful programming.



Programming of this function must be done within one minute of switching off the engine.

After programming, to change the suspension height via the remote control, remove the starter key, turn on the hazard warning lamps and close all the doors. Remote operation is not possible unless this is done.

To raise the vehicle, press and hold the Land Rover button and Lock button.

To lower the vehicle, press and hold the Land Rover button and Unlock button.

If any button is released during the raising or lowering of the suspension, all movement of the suspension will stop. It will restart once the buttons are pressed again.

The height will initially change slowly but, after three seconds, the speed will increase. While the height is changing, a symbol on the raise/lower switch will be lit according to the direction of movement. See **Adjusting suspension heights, 185**.

If the starting height is above or below On-road height, movement will stop when On-road height is reached. Further movement can be achieved by releasing the buttons and pressing them again.

See **AIR SUSPENSION, 184**.

Single-point entry

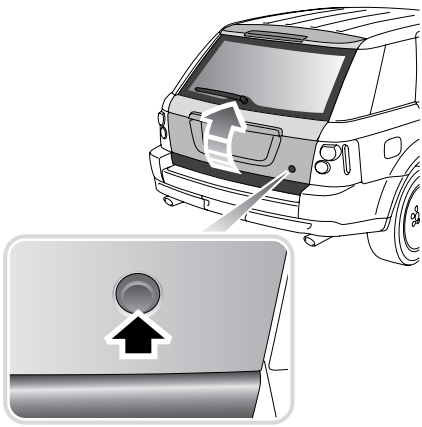
This is a personal security feature, which enables only the driver's door to be unlocked, leaving the other doors in a locked state.

Single-point entry can be disabled on individual remote control keys by pressing and holding the lock and unlock buttons together for three seconds.

Repeating the procedure will re-enable the feature.

Each time single-point entry is turned on or off, the vehicle will lock then unlock into the selected mode (all doors unlocked or just the driver's door unlocked).

Tailgate release

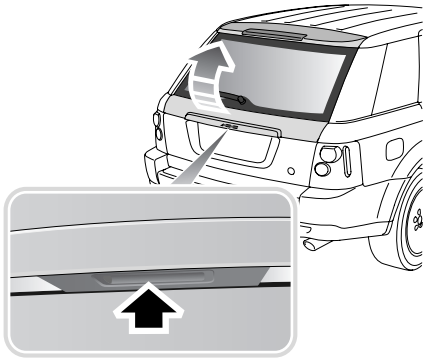


LAN0125G

Programme by keeping the Land Rover button pressed and also pressing the main tailgate release button on the rear tailgate. A chime from the instrument panel will confirm successful programming.

A short press of the button will now cause the vehicle's tailgate to release.

Tailglass release

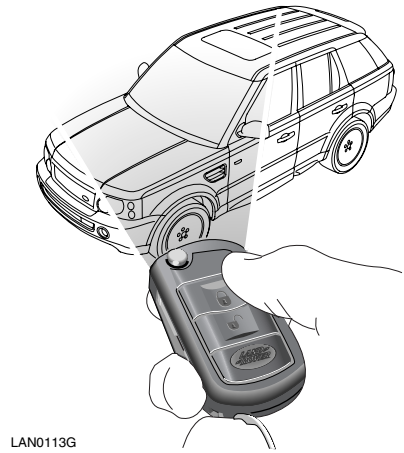


LAN0124G

Programme by keeping the Land Rover button pressed and also pressing the main tailglass release button situated under the rear number plate plinth. A chime from the instrument panel will confirm successful programming.

A short press of the button will now cause the vehicle's tailglass to release.

ALARM SYSTEM



LAN0113G

Your vehicle is fitted with a sophisticated electronic anti-theft alarm and engine immobilisation system. There are also a number of additional security features, some of which are selectable options and some are standard features of the vehicle.

In order to ensure maximum security and operating convenience, you are strongly advised to gain a full understanding of the features and alternatives available, by thoroughly reading this section of the handbook.

Note: *FOR MAXIMUM SECURITY ALWAYS SUPERLOCK THE VEHICLE. If passengers or animals are to be left in the vehicle, windows and/or sunroof are left open, or the vehicle is on a moving platform, e.g. a ferry, lock the vehicle by pressing the lock button twice within three seconds. This disables the superlocking, tilt sensing and interior space protection.*

Superlocking

WARNING

For safety, NEVER use Superlocking if passengers are to remain inside the vehicle - in an emergency they would not be able to escape, or be released by emergency services. Also, any movement from within the vehicle would activate the interior space protection alarm.

Superlocking is activated by one press of the lock button on the remote control.

When the vehicle is superlocked, the doors can only be opened (from inside or outside of the vehicle) with the correct key or remote control.

Superlocking immobilises the interior door handles, thereby preventing an intruder from gaining entry by smashing a window and reaching inside the vehicle to operate the door handles.

Perimetric alarm

This feature is activated automatically, whenever the vehicle is locked using the remote control and protects the doors, bonnet and tailgate.

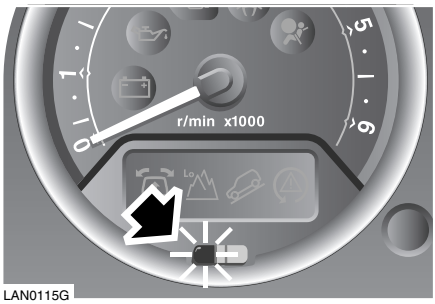
If any of these apertures are opened, or if a key that has not been programmed to the vehicle is inserted into the starter switch while the feature is activated, the alarm will be triggered.

When the perimetric alarm is activated, the direction indicators will flash three times and the security system status indicator will flash.

Mislock

If an aperture is open when an attempt is made to lock the vehicle an audible warning will sound once to indicate that the vehicle is not secure.

Anti-theft alarm indicator



The indicator provides information about the status of the alarm and immobiliser systems, as follows:

When the alarm is armed with interior space protection:

The indicator will triple flash for 10 seconds then continue to single flash until the vehicle is disarmed and immobilised.

When the alarm is armed without interior space protection:

The indicator will double flash for 10 seconds, then continue to single flash until the vehicle is disarmed and immobilised.

When the alarm is disarmed but the vehicle is immobilised (key out of starter switch):

The indicator will single flash until the alarm is armed or the vehicle is mobilised.

When the alarm is disarmed and the vehicle is mobilised (key in starter switch):

The indicator gives a one-second flash on remobilisation.

If the alarm sounds

If the alarm is triggered, the alarm will sound and the hazard warning lamps will flash for 30 seconds, before resetting to the same protection status that existed prior to the alarm being triggered.

To silence the alarm, press the lock or unlock button on the remote control or insert the key into the starter switch. Pressing the lock button will keep the alarm armed.

When the vehicle is disarmed, the hazard warning lamps will quickly flash eight times if the alarm has sounded since the vehicle was last armed.

Interior space protection

Interior space protection is activated whenever the vehicle is superlocked.

Note: *Never activate interior space protection if windows or sunroof are to be left open, or if passengers or animals are to be left inside the vehicle - any movement will activate the alarm.*

Interior space protection is designed to protect the interior of the vehicle from intrusion (entry by a thief through a smashed window, for example).



LAN0117G

Four roof-mounted sensors monitor the interior space and activate the alarm if air movement is detected in the passenger compartment.

Note: *Interior space protection cannot be activated if a door is open.*

Disabling interior space protection:

If there is a requirement to disable interior space protection (if a window or sunroof is to be left open, for example), press the lock button on the remote control twice within three seconds.

Tilt sensor

Your vehicle is fitted with a tilt sensor which activates the alarm if the vehicle is tilted fore and aft, or side to side, after it has been superlocked.

The alarm will sound if theft is attempted by hoisting onto another vehicle or if a side is lifted to attempt wheel removal.

Disabling tilt sensor protection:

If you wish to have the doors locked but the tilt sensor disabled (e.g. when aboard a ferry or having the vehicle transported on a recovery truck) press the lock button twice within three seconds.

Battery-backed sounder

This device will sound the full alarm if the alarm is activated, or if the vehicle's battery or the sounder is disconnected whilst the security system is armed.

ENGINE IMMOBILISATION

Engine immobilisation is an important aspect of the security system. It is designed to safeguard the vehicle from theft, should the driver forget to lock the doors. The system prevents the engine from being started unless the GENUINE remote control key is inserted into the starter switch.

Engine immobilisation is automatic five seconds after the key is removed from the starter switch.

Note: *The engine will be re-mobilised automatically whenever the genuine remote control key is inserted into the starter switch. When this happens, the anti-theft alarm indicator will illuminate for one second and then extinguish.*

LOCKING/UNLOCKING

While it is not necessary to point the remote control at the vehicle, the remote control must be within range of the vehicle when a button is pressed.

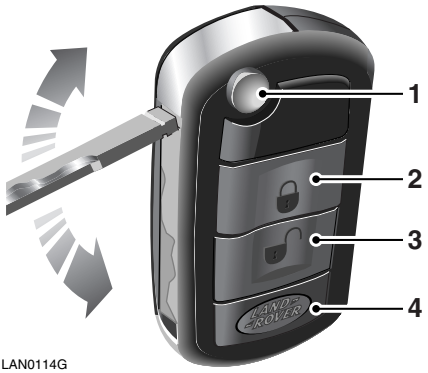
Note: *If the remote control fails to work even when close to the vehicle, it could be that it is not synchronised with the system, see* ***Emergency locking/unlocking, 49****. Putting the key in the starter switch and running the engine for six minutes will restore full operation.*

The operating range may vary, depending upon remote control battery condition and may sometimes be limited by physical and geographical factors beyond your control.

Note: *If a key is in the starter switch, the vehicle will not respond to remote control commands.*

Locking with the remote control

Remove the key from the starter switch and shut all doors, the bonnet and the tailgate.



LAN0114G

The four buttons on the remote control are used as follows:

1. Key release button.
2. Lock button: Press to superlock all doors and to activate the perimetric alarm and interior space protection and activate the tilt sensor. See **Superlocking, 44**, **Tilt sensor, 46**.

   Press twice within three seconds to lock all doors and activate the perimetric alarm, but NOT activate interior space protection or the tilt sensor.

   The direction indicators will flash three times.
3. Unlock button: Press once to disarm the alarm and unlock the driver's door and to activate the Lazy entry feature. See **Lazy entry, 57**. Press again to unlock the remaining doors. See **Single-point entry, 42**.

   In either case, the interior lamps illuminate and the direction indicators flash once.

   The hazard warning lamps will quickly flash eight times when the vehicle is disarmed if the alarm has sounded since the vehicle was last armed.
4. Customer configuration - Land Rover button: This button can be configured to operate panic alarm, headlamp courtesy delay, tailgate release, tailglass release or suspension control. See **LAND ROVER BUTTON, 40**.

Partial arming

If an aperture (door, bonnet or tailgate) is not fully closed when the remote control lock button is pressed, the horn will sound briefly to signal that an aperture is still open. The alarm will remain disarmed and all of the closed apertures will lock.

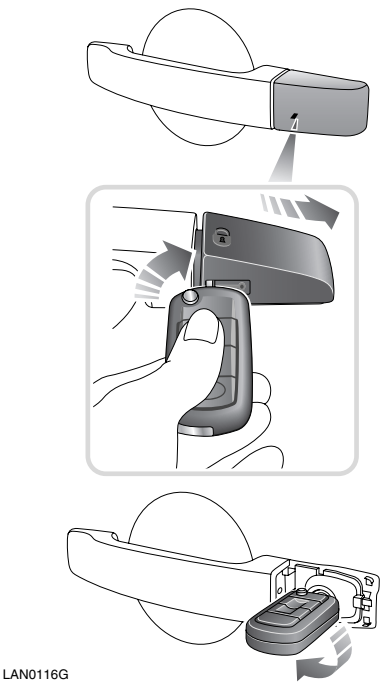
As soon as the open aperture is closed, the system will automatically arm, signalled by three flashes of the hazard warning lamps, with interior space protection activating 30 seconds later.

Note: *The vehicle will not superlock if an aperture (other than the bonnet) is open.*

Emergency locking/unlocking

Under a removable cap on the left front door outer handle, there is an emergency-use door lock.

Removing the cap



LAN0116G

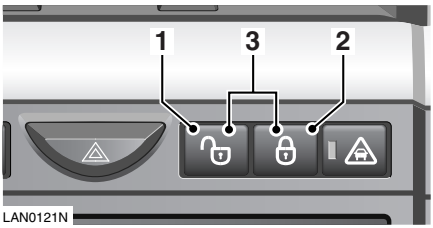
1. Insert the key fully into the slot under the handle cap.
2. The cap can now be removed at the forward edge and unhooked from the rear edge.
3. Remove the key from the slot and use it in the emergency lock. Turn the key anti-clockwise to unlock.

   Note: *If the alarm was previously armed, the alarm will sound when the door is unlocked. To disable it, insert the key into the starter switch.*
4. To lock the door, turn the key clockwise. The alarm system will not be armed.

Refitting the cap

1. Insert the key fully into the slot in the handle cap.
2. Hook the cap onto the lock barrel at the rear edge.
3. Push the front edge of the cap onto the panel.
4. Remove the key from the slot.

Master lock and unlock switches



1. Pressing the master unlock switch will unlock all of the doors.
2. Pressing the master lock switch will lock all of the doors.
3. Simultaneously pressing both the master lock and unlock switches for three seconds will cause the whole tailgate to release.

Note: *If the locks have already been superlocked using the key, the switch will not release the locks.*

Speed related locking

This security feature locks all the doors automatically when the vehicle speed exceeds 8 km/h (5 mph).

Note: *The speed at which speed-related locking occurs is not selectable by the driver. Any presses of the master lock or unlock switches will over-ride the speed locking function, and will remain in that state for the whole journey.*

Speed-related locking can be selected or deselected by a Land Rover Dealer/Authorised Repairer or by the driver.

See **SELECTING SETTINGS OPTION, 88**.

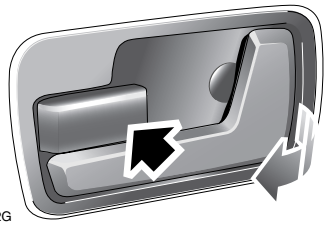
Automatic relock

If the vehicle is unlocked using the remote control and one minute elapses before a door or the tailgate is opened, the vehicle will relock and the alarm will re-arm.

Automatic unlocking

If the vehicle is involved in a collision forceful enough to cause a restraints device to deploy, all door locks will automatically be unlocked and the hazard warning lamps will start to flash. The interior lamps will also illuminate.

Interior door handles and locking levers



LAN0122G

From inside the vehicle, each door can be individually locked by pushing the appropriate lever (arrowed).

To unlock and open a front door, simply pull the door handle.

To open a rear door, first return the locking lever to its unlocked position, then pull the door handle.

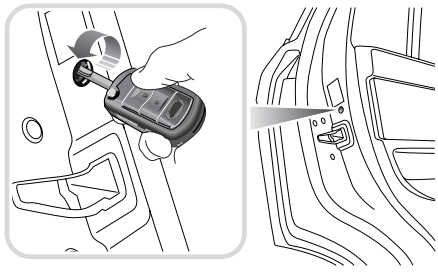
When the master lock or unlock switch is used, or speed related locking is activated, all door locking levers will activate automatically.

These locking levers will only operate if the doors have not been secured using the remote control or door key.

CHILD SAFETY LOCKS

WARNING

NEVER leave children unsupervised in the vehicle.



LAN0123G

Child safety locks are fitted to the rear doors.

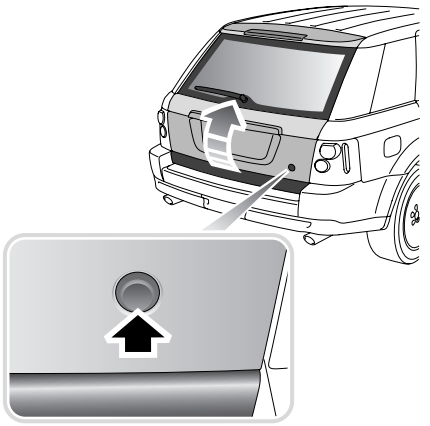
Open a rear door and insert the starter key into the child safety keyhole. Turn the key one quarter of a turn so that the top of the key moves away from the vehicle. Repeat for the other door.

With the child safety locks engaged, the rear doors cannot be opened from inside the vehicle. This prevents a door from being opened accidentally.

Inserting the key and turning it in the opposite direction disengages the lock.

TAILGATE

Opening the tailgate



LAN0125G

With all doors unlocked, press the tailgate release button on the right-hand side of the tailgate.

If the tailgate fails to open, an emergency procedure is available.

Note: *If the tailgate is open, the system prohibits the tailglass release, and vice versa. It will only accept another release when the open panel has been closed.*

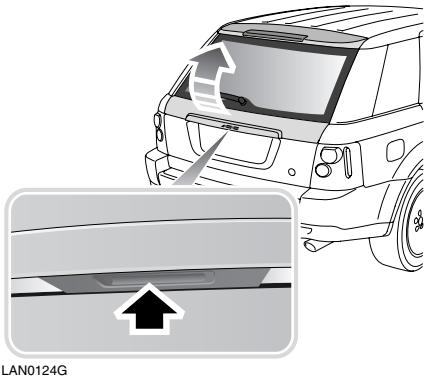
Tailgate emergency unlock

Simultaneously pressing both the master lock and unlock switches for three seconds will cause the whole tailgate to release. This is an emergency release function in case the tailgate exterior release switch becomes inoperative.

Power closure

The tailgate incorporates a 'Power closure' feature, which removes the need to 'slam' the tailgate when closing.

Opening the tailglass



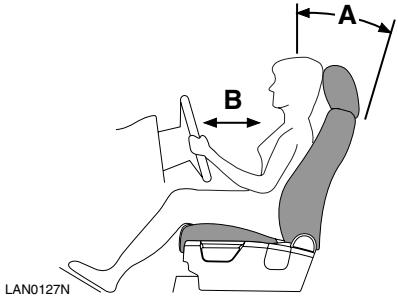
LAN0124G

With all doors unlocked, press the touch pad on the underside of the exterior handle and pull to open.

FRONT SEATS

WARNING

To reduce the risk of loss of control and personal injury, DO NOT adjust the driver's seat while the vehicle is in motion.



Sitting correctly

The seats, head restraints, seat belts and airbags all contribute to the protection of the occupants. Optimal use of these components will give you more protection. Therefore, observe the following points:

- Sit in the most upright position with the base of your spine as far back as possible and the backrest reclined not more than 30 degrees (**A**).
- Do not move the driver's seat too close to the steering wheel. Ideally, a minimum distance (**B**) of at least 254 mm (10 in) between the centre of the breastbone and the cover of the steering wheel airbag is recommended. The driver should hold the steering wheel with slightly bent arms. The legs should also be slightly bent so that the pedals can be pressed to the floor.
- The seat belt should rest in the centre of the shoulder. The lap part should fit tightly across the hips and not on the stomach.

Make sure your driving position is comfortable and enables you to maintain full control of the vehicle. A properly adjusted seat helps reduce the risk of injury from sitting too close to an inflating airbag.

Note: *For information on adjusting the steering column, see* ***STEERING COLUMN ADJUSTMENT, 81****.*

FRONT SEAT ADJUSTMENT

WARNING

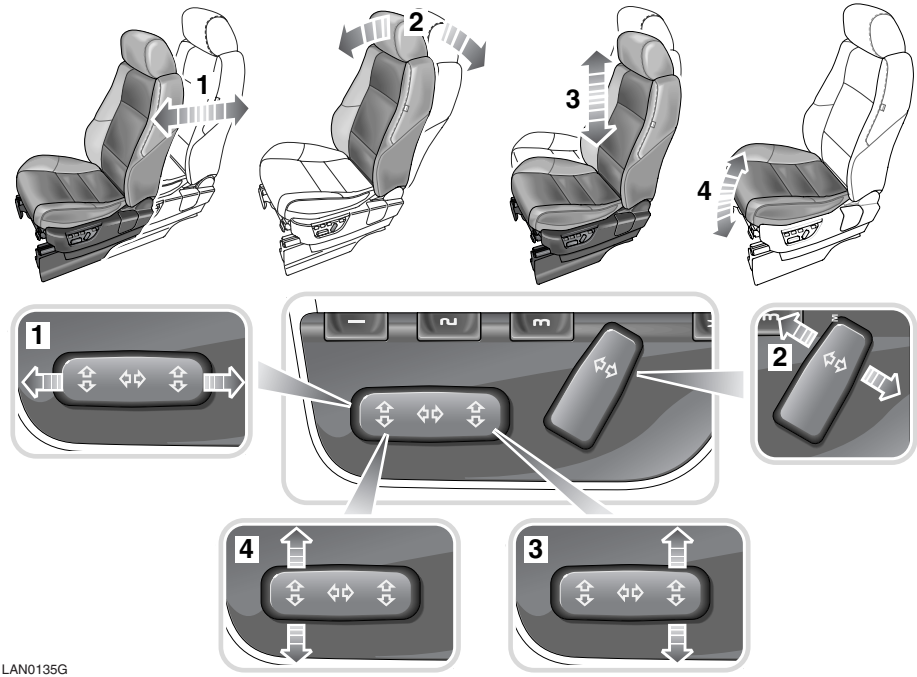
DO NOT adjust any part of a seat while the vehicle is in motion.

Vehicle movement may cause the seat to suddenly shift, potentially causing injury.

The seat adjustment controls are situated on the outboard side of the seat cushion.

Note: *The position of any part of the power operated seats can be changed with the starter key in positions **I** or **II**. Power operated memory driver's seat also has a 10 minute active period (Non-memory power operated seats up to 15 minutes) initiated when:*

- *The driver's door is opened/closed.*
- *The starter key is turned to the off position.*



LAN0135G

1. Forward/backward adjustment

Push and hold the switch to move the seat to the desired position. Release the switch to stop adjustment.

2. Seat back adjustment

WARNING

DO NOT travel with the seat backs reclined steeply rearwards. Optimum benefit is obtained from the seat belt with the seat back angle set to no more than 30 degrees from the upright (vertical).

Failure to maintain the correct seat back angle will reduce the effectiveness of the seat belts and increase the risk of serious injury or death in a crash.

Twist the switch until the desired seat back angle is achieved. Release the switch to stop adjustment.

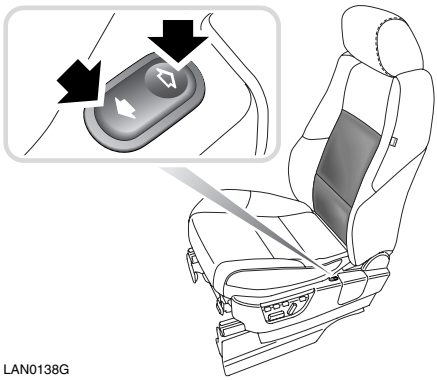
3. Seat cushion height adjustment

Push the switch up or down to raise or lower the cushion. Release the switch to stop adjustment.

4. Seat cushion edge adjustment (Driver's seat only)

Push the switch up or down to raise or lower the front edge of the cushion. Release the switch to stop adjustment.

Lumbar support adjustment



LAN0138G

A separate switch located in the side of the seat provides for adjustment of lumbar support.

Press the front end of the switch to stiffen the support or the rear end of the switch to relax the support. Release the switch to stop adjustment.

Folding armrest



LAN0130G

Some vehicles are fitted with adjustable front seat armrests. These are used in the horizontal position or can be stowed vertically alongside the seat backrest.

The horizontal position can be adjusted for height by turning the knob set into the end of the armrest. Turning the knob clockwise raises the armrest; anti-clockwise lowers it.

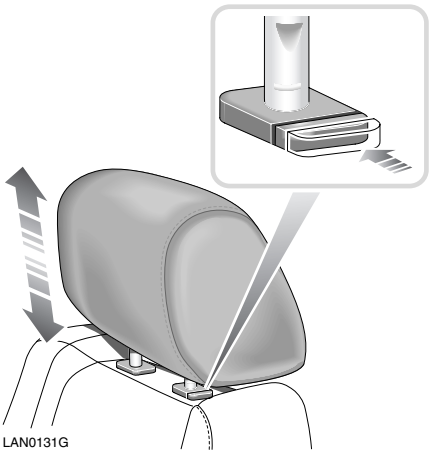
Head restraint adjustment and removal

WARNING

Head restraints are designed to support the back of the head (NOT THE NECK), and to restrain rearward movement of the head in the event of a collision. The restraint must be positioned as described to be effective.

DO NOT drive or carry passengers with the head restraints removed from occupied seats, or adjust the head restraints while the vehicle is in motion.

Failure to have the head restraint installed and properly positioned will increase the potential for serious injuries.



Adjust the head restraint correctly, up or down by pressing the collar button as indicated. The top of the head restraint should be level with the top of the head.
See **Sitting correctly, 53**.

Remove the head restraint by pressing the collar button as indicated, whilst lifting the restraint clear of the seat.

To replace the head restraint, engage the guide posts into the collars and press the restraint downwards until a click is heard.

Rear seat entertainment

WARNING

The video display screens contain toxic substances including Mercury. These substances can cause severe illness and possibly death.

In the event that a video display screen is damaged, avoid all contact with it, and contact your dealer as soon as possible.

Caution: When rear seat passengers are entering or leaving the vehicle it is important that they do not hold the head restraint to ease entry/exit. This may damage the video display screens.

The video display screens fitted to the rear of the front seat head restraints are NOT touch-screens. Avoid contact with the screen wherever possible.

Only clean the screens using the Land Rover approved cleaning materials available from your Land Rover Dealer/Authorised Repairer.

If rear seat entertainment is fitted, the front head restraints can be adjusted for height, but cannot be removed from the seat.

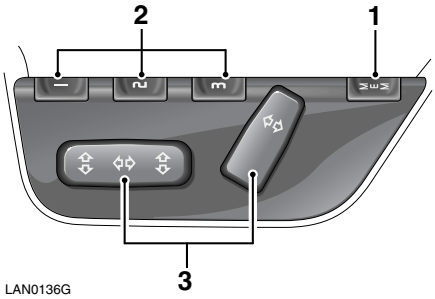
HEATED SEATS

For information on operating the front and rear seat heaters, refer to **SEAT HEATERS, 126**.

DRIVER'S SEAT MEMORY FACILITY

WARNING

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



1. Memory store button.
2. Memory pre-set buttons.
3. Seat adjustment controls. See **FRONT SEAT ADJUSTMENT, 54**.

Your vehicle can memorise up to three different driver seating positions for each of three possible starter keys. This enables three separate drivers to achieve optimum comfort at the touch of a button.

Setting the memory pre-sets

1. Insert the starter key and turn it to position **I** or **II**.
2. Adjust the seat and exterior mirrors to the desired position.

   Note: *For information on adjusting the mirrors, see* ***EXTERIOR MIRRORS, 82****.*
3. Press the memory store button **1** to activate the memory function.
4. Within five seconds, press the desired pre-set button **2**.
5. **Memory Stored** will be displayed on the message centre to confirm the storing action. A single chime will sound from the instrument panel to confirm storing.

Recalling a stored seat position

Providing the power operated memory seat is active, press the pre-set button associated with the desired driving position. The seat and mirrors will move to the position stored on that pre-set.

A confirmation message will display in the message centre and a double chime will sound when adjustments are complete.

Note: *To stop seat movement at any time when recalling a memory setting, press any seat adjustment control.*

Lazy entry

When the lazy entry option is selected and the vehicle is unlocked using the remote control, the vehicle adjusts the driver's seat and the exterior mirrors to the position associated with that particular remote control.

Lazy entry and associated options can be selected or deselected by a Land Rover Dealer/Authorised Repairer or by selecting Settings. See **SELECTING SETTINGS OPTION, 88**.

REAR SEATS

WARNING

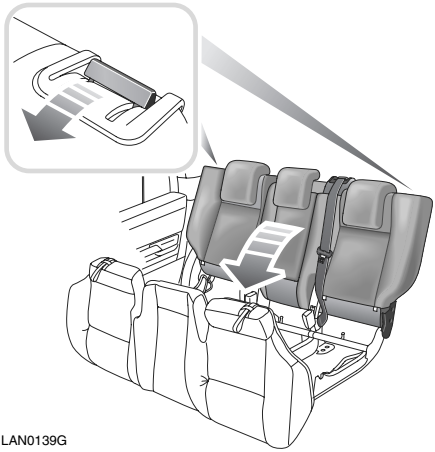
DO NOT adjust any part of a seat while the vehicle is in motion.

Vehicle movement may cause the seat to suddenly shift, potentially causing injury.

WARNING

It is extremely dangerous to ride in the loadspace. In a collision, anyone riding in this area is more likely to be injured or killed. Do not allow anyone to ride in any area of your vehicle that is not equipped with seats and seat belts. Be sure that everyone in your vehicle is in a seat and using a seat belt properly.

Folding down the seats



LAN0139G

One or both parts of the split rear seat can be fully folded to further increase the rear loadspace.

Before attempting to fold down the seats, remove the outboard seat belts from the seat belt guides and remove any items from the rear seats and footwell.

If the front seats are in their rearmost position, move them forward. They can be returned to their original position after the rear seat backs have been folded down.

Ensure that the head restraints are fully lowered. Press in the collar at the base of the head restraint support, and push the head restraint down.

Using the strap at the rear of each cushion, pull the required cushions forwards as far as they will travel.

To fold a backrest forwards, pull the seat backrest release lever(s). While pulling the lever(s) located on the top edges of the backrests, tip the seat backrest(s) forwards as far as possible.

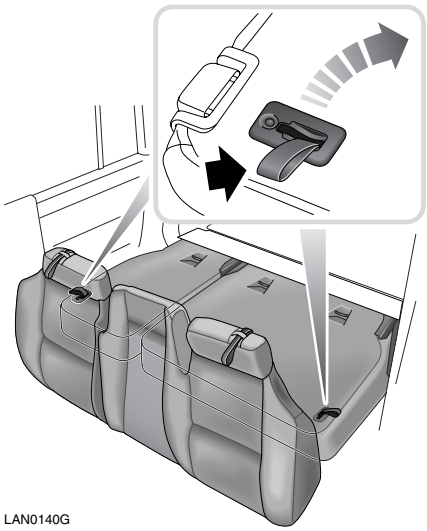
Note: *Only Land Rover approved seat covers and accessories should be used on these seats.*

Returning the seats to the upright position

WARNING

After the seat is returned to the upright position, the latching mechanism should be checked and physically tested to ensure that both the seat base and backrest are secure before driving.

Also, ensure that the head restraint is adjusted correctly for each passenger (the top of the head restraint should be level with the top of the head).



LAN0140G

If the front seats are in their rearmost position, move them forward. They can be returned to their original position after the rear seats have been returned to the upright position.

Pull the strap vertically on the back of the seat to unlock the seat. Continue to pull to raise the backrest(s) until they click into position. Push the seat cushion(s) firmly back into position.

Visually check that the lever is fully in place. If it has not returned to its locked position, red flags will be visible around the lever sides.

To raise the head restraint, pull it upwards to the required height.

Replace the outboard seat belts back into the seat belt guides.

Rear seat armrest



LAN0142G

To release the armrest, first pull the loop at the top of the centre seat/armrest (see inset.), then push the armrest downwards to the required position.

To replace, raise the armrest and push until a click is heard when latched.

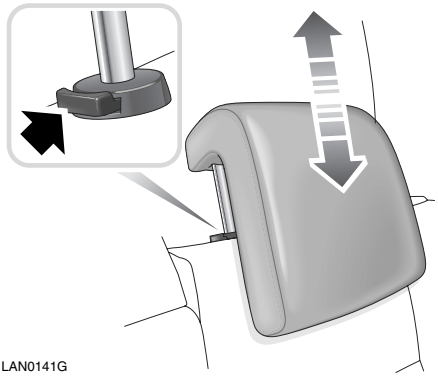
Head restraint adjustment and removal

WARNING

Head restraints are designed to support the back of the head (NOT THE NECK), and to restrain rearward movement of the head in the event of a collision. The restraint must be positioned as described to be effective.

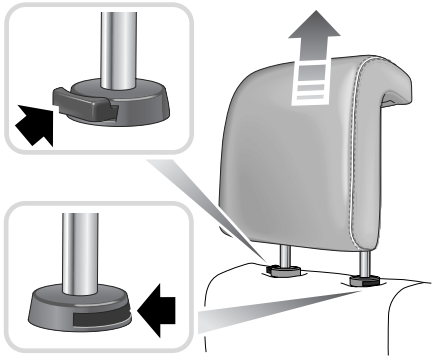
DO NOT drive or carry passengers with the head restraints removed from occupied seats, or adjust the head restraints while the vehicle is in motion.

Failure to have the head restraint installed and properly positioned will increase the potential for serious injuries.



LAN0141G

Adjust the head restraint correctly (up or down) for each passenger by pressing the collar button as indicated. The top of the head restraint should be level with the top of the head.



LAN0143G

Remove the head restraint by pressing the collar button and indented button as indicated, whilst lifting the restraint clear of the seat.

To replace the head restraint, engage the guide posts into the collars and press the restraint downwards until a click is heard.

SEAT BELTS

The use of front and rear seat belts is mandatory in most countries. Using seat belts saves lives. They should be worn by all occupants whenever the vehicle is in use, for maximum protection.

Lap/shoulder inertia reel seat belts are provided for both front seat occupants and all rear seat positions.

The inertia reel operating mechanism of the seat belts allows the wearers to move their upper bodies to reach various controls. The seat belt locks automatically with accelerated body movement or in the event of emergency braking.

The front seat belt assemblies are fitted with pre-tensioners. The pre-tensioners operate with the airbags as part of the Airbag Supplementary Restraint System (SRS). See **HOW THE AIRBAGS WORK, 75**.

Seat belt warning indicator



Driver Beltminder commences when the starter switch is turned to position **II** and the driver belt is unbuckled.

In certain markets the seat belt reminder feature also applies to the passenger seat and will be activated if the seat is occupied and the occupant is unbuckled.

The visual and audible warnings applicable to either driver or passenger Beltminder are market dependent to meet individual market requirements. The warning signals given may also change depending on whether the vehicle is stationary or when the vehicle speed exceeds a pre-determined threshold. See **AUDIBLE WARNINGS, 109**.

Note: *Objects placed on the passenger seat may activate the seat belt warning system.*



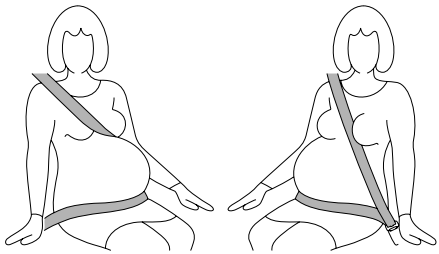
Although not advisable, it is possible to disable the Beltminder function. Please see a Land Rover Dealer/Authorised Repairer to disable or reinstate the function.

SEAT BELT USE DURING PREGNANCY

WARNING

Pregnant women must wear a correctly positioned seat belt; it is safer for mother and unborn child.

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 reduce the effectiveness of the seat belt in preventing injury.



LAN0144G

During pregnancy, women should wear the lap belt across the hips below the baby, with the diagonal belt passing across the shoulder, between the breasts and to one side of the baby - if in doubt, consult a doctor.

SEAT BELT PRE-TENSIONERS

WARNING

The seat belt pre-tensioners will only be activated once and then MUST BE REPLACED by a Land Rover Dealer/Authorised Repairer. Failure to replace the pre-tensioners will reduce the efficiency of the vehicle's front restraint systems.

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

In the interests of safety, it is recommended that removal or replacement of the front seats and seat belts should only be carried out by a Land Rover Dealer/Authorised Repairer.

The seat belt pre-tensioners activate in conjunction with the airbag and provide additional protection in the event of a severe frontal impact on the vehicle. See **HOW THE AIRBAGS WORK, 75**. The pre-tensioners automatically retract the seat belts fitted to the front seats. This reduces any slack in both the lap and diagonal portions of the belts, thereby reducing forward movement of the belt wearer in the event of a severe frontal collision.

The airbag warning indicator on the instrument pack will alert you to any malfunction of the seat belt pre-tensioners.

If the pre-tensioners have been activated, the seat belts will still function as restraints, and must be worn in the event that the vehicle remains in a driveable condition.

Note: *The seat belt pre-tensioners will be activated in major side and frontal impacts and in roll-overs.*

AUTOMATIC LOCKING MECHANISM

WARNING

Where possible, use the seat belt automatic locking mechanism to secure large items that are to be carried on the seats. In the event of an accident, loose items become projectiles capable of causing serious injury. Care must be taken to prevent any sharp edges damaging the belt.

Use the seat belt automatic locking mechanism to restrain pets in harnesses or pet carriers when not utilising the loadspace.

The passenger seat belts have a special locking mechanism which retains large items securely.

To use:

1. Place the item on the seat.
2. Put the seat belt around the item, using both the lap and shoulder parts of the belt.
3. Fasten the seat belt.
4. Pull on the shoulder part of the belt, to unreel all of the remaining belt. This will engage the automatic locking feature, which only allows the belt to retract.
5. Allow the seat belt to retract onto the item (a clicking sound will confirm that the ratchet has engaged).
6. Ensure that there is no slack in the seat belt by pulling upwards on the shoulder belt immediately above the item. The item will now be held firmly in position by the belt.

When the seat belt is released and is allowed to retract, the seat belt locking mechanism reverts to normal operation.

SEAT BELT SAFETY

WARNING

Seat belts are life saving equipment. In a collision, occupants not wearing a seat belt can be thrown around inside, or possibly thrown out of the vehicle. This is likely to result in more serious injuries than would have been the case had a seat belt been properly worn. It may even result in loss of life.

Make sure ALL occupants are securely strapped in at all times - even for the shortest journeys.

The airbag supplemental restraint system (SRS) is designed to add to the overall effectiveness of the seat belts. It does not replace them. SEAT BELTS MUST ALWAYS BE WORN.

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

DO NOT wear seat belts over hard, sharp or fragile items in clothing, such as pens, keys, spectacles, etc.

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

DO NOT allow front seat occupants to travel with the seat backs reclined steeply rearwards. Optimum benefit is obtained from the seat belt with the seatback angle set to no more than 30 degrees from the upright.

WARNING

Ensure that all seat belts are worn correctly - an improperly worn seat belt increases the risk of death or serious injury in the event of a collision.

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.

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.

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.

Should the seat belt not retract and remain at its static length, consult your Land Rover Dealer/Authorised Repairer immediately.

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.

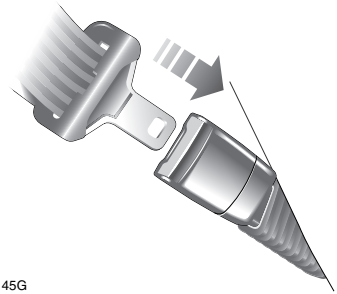
Where possible, use the seat belt automatic locking mechanism to secure large items that are to be carried on the seats. In the event of an accident, loose items become projectiles capable of causing serious injury. Care must be taken to prevent any sharp edges damaging the belt.

FRONT SEAT BELTS

Fastening the seat belts

WARNING

Never wear just the lap strap of a lap/shoulder diagonal seat belt and never sit on the lap strap using just the shoulder strap. Both of these actions are extremely dangerous and may increase your risk of serious injury.



LAN0145G

Pull the belt over the shoulder and across the chest and, ensuring that the webbing is not twisted, insert the metal tongue plate into the buckle nearest the wearer - a CLICK indicates that the belt is securely locked.

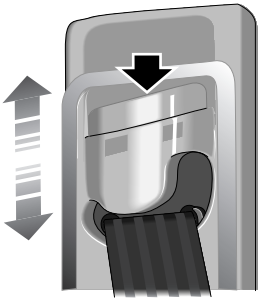
Releasing the belt

Press the RED button on the seat belt buckle.

Upper anchorage adjustment

WARNING

Maladjustment of the seat belt could reduce its effectiveness in a crash. Always ensure that the anchorage is correctly located and properly locked in one of the height positions before driving and DO NOT adjust the height once the vehicle is in motion.



LAN0146G

The height of the seat belt upper anchorage can be adjusted for comfort AND safety on both front seats. Press down (solid arrow) to release the catch, then lift or push down to adjust the height of the anchorage. For safety, the seat belt should always be worn with the webbing crossing the shoulder MIDWAY BETWEEN THE NECK AND THE EDGE OF THE SHOULDER.

Ensure the anchorage has clicked into one of the locked positions before driving.

Where possible, rear seat passengers should adjust their position on the seat to enable the seat belt webbing to cross the shoulder without pressing on the neck.

CARING FOR SEAT BELTS

WARNING

Always replace a seat belt that shows signs of webbing damage or has withstood the strain of a severe vehicle impact.

Regularly inspect the belt webbing for signs of fraying, cuts and wear; also pay particular attention to the condition of the fixing points and adjusters.

DO NOT bleach or dye the webbing and avoid contaminating the webbing with polish, oil or chemicals. See **Seat belts, 248**.

Testing inertia reel belts

- 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 webbing to the limit of its travel. Check that unreeling is free from snatches and snags and then allow the belt to FULLY retract.
- Partially unreel the webbing, then hold the tongue plate and give it a quick forward pull. The mechanism must lock automatically and prevent any further unreeling.

If a seat belt should fail any of these tests, contact your Land Rover Dealer/Authorised Repairer immediately.

Note: *If the vehicle is parked on ground that is not level, the seat belt mechanism may lock. This is not a fault; gently ease the belt from its upper anchorage to release.*

Service information

WARNING

DO NOT attempt to service, repair, replace, modify or tamper with any part of the pre-tensioner and airbag, or wiring in the vicinity of a pre-tensioner or airbag component; this could cause the system to activate, resulting in personal injury.

In addition, ALWAYS contact your Land Rover Dealer/Authorised Repairer if:

- An airbag inflates.
- A pre-tensioner activates.
- The front or side of the vehicle is damaged, even if the pre-tensioner has not activated.

CHILD SEATS

WARNING

Original text according to ECE R94.01.

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

There is a risk of death or serious injury when the airbag deploys.

The safest place for children is properly restrained in the rear seats.

WARNING

DO NOT allow a baby or infant to be carried on the lap. The force of a crash can increase effective body weight by as much as 30 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. This reduces the risk of injury in a crash. Children could be endangered in a crash if their 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 a child.

The seat belts fitted to your vehicle are designed for adults and larger children. For their safety, it is very important that all infants and children under 12 are restrained in a suitable child safety seat appropriate to their age and size (see table). Child safety seats approved for use in your vehicle are available from your Land Rover Dealer/Authorised Repairer.

Only fit a child seat that has been approved for use in your vehicle, and ensure that the manufacturer's fitting instructions are followed exactly.

Note: *Crash statistics show that children are safer when properly restrained in the rear seating positions, than they are in the front.*

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 should travel in the front passenger seat, Land Rover recommends that when installing child restraints, the vehicle front passenger seat be positioned fully rearward, the lumbar adjusted to its minimum support position and the cushion adjusted to its highest position. Additionally, if your vehicle is also fitted with front cushion rake adjustment, this should be adjusted to its lowest position. The seat belt upper adjustable anchorage should be set to its lowest position. Disable the airbag using the switch on the end of the instrument panel. See **PASSENGER AIRBAG DISABLING SWITCH, 78**.

Always use an approved child seat, suitable for a child's age and size.

Holding a baby or child in a person's arms is not a substitute for a child restraint system. In an accident, a baby or child held in a person's arms can be crushed between the vehicle's interior and a restrained person.



LAN0164G

This symbol affixed to the passenger side **B** post of your vehicle, warns against the use of a REAR-FACING child seat in the front passenger seat, when a passenger airbag is fitted and operational.

Child Restraints

Child safety seating and positions

The following table shows the suitability of each passenger seat position for the carriage of children up to 12 years of age or 1.5 m (5 feet) tall and the installation of suitable child restraint systems.

Mass group (with approximate age) *As indicated on child restraint*	**0** = Up to 10 kg (22 lb) (0-10 months)	**0+** = Up to 13 kg (29 lb) (0-18 months)	**I** = 9 to 18 kg (20 to 40 lb) (9 months - 5 years)	**II and III** = 15 to 36 kg (33 to 80 lb) (4-12 years)
Seating positions				
Front passenger†	U†	U†	U†	U†
Rear seats, rear outboard	U	U	U	U
Rear seats, rear centre	U	U	U	U

U = Suitable for universal category restraints approved for this mass group.
† Never place a child seat in the front passenger seating position unless the airbag has been disabled. See **PASSENGER AIRBAG DISABLING SWITCH, 78.**

WARNING

DO NOT use a forward-facing seat until a child 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.

Caution: Information given in the table is correct at the time of going to press. However, availability of child restraints may change. Please refer to your Land Rover Dealer/Authorised Repairer for the latest recommendation.

In many countries, legislation governs how and where children should be carried when travelling in a vehicle.

It is the responsibility of the driver to comply with all regulations in force in the country where the vehicle is being used.

Seat belt locking mechanism

The passenger seat belts have a special locking mechanism which aids the retention of child seats. See **AUTOMATIC LOCKING MECHANISM, 70**.

Child restraints for larger children

In a situation where a child is too large to fit into a child safety seat, but is still too small to safely fit the 3 point seat belt properly, a booster seat is recommended for maximum safety. Follow the manufacturer's fitting instructions exactly, then adjust the seat belt to suit.

ISOFIX table of installation

Note:

ISOFIX anchorages are provided for both outer rear seating positions. ISOFIX child restraints should be securely attached following the manufacturers instructions at these locations only.

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 (22lb)	E	ISO R1	IL
0+ = Up to 13 kg (29lb)	C/ D/ E	ISO R1/ R2/ R3	IL
I = 9 to 18 kg (20 to 40 lb)	C/ D A/ B1/ B	ISO R2/ R3 ISO F2/ F2X/ F3	IL IUF
II = 15 to 25 kg (33 to 55 lb)	-	N/A	N/A
III = 22 to 36 kg (48 to 79 lb)	-	N/A	N/A

- IUF = suitable for ISOFIX forward child restraint systems of universal category approved for use in the mass group.
- IL = suitable for particular ISOFIX child restraint systems (CRS) given in the attached list. These ISOFIX CRS are those of the “specific vehicle”, “restricted” or “semi-universal” categories.
- X = ISOFIX position not suitable for ISOFIX child restraint systems in this mass group and/or this size class.

AUTOMATIC LOCKING MECHANISM

WARNING

Where possible, use the seat belt automatic locking mechanism to secure large items that are to be carried on the seats. In the event of an accident, loose items become projectiles capable of causing serious injury. Care must be taken to prevent any sharp edges damaging the belt.

Use the seat belt automatic locking mechanism to restrain pets in harnesses or pet carriers when not utilising the loadspace.

The passenger seat belts have a special locking mechanism which aids the retention of child seats and large items. The procedure to install a child seat is as follows;

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

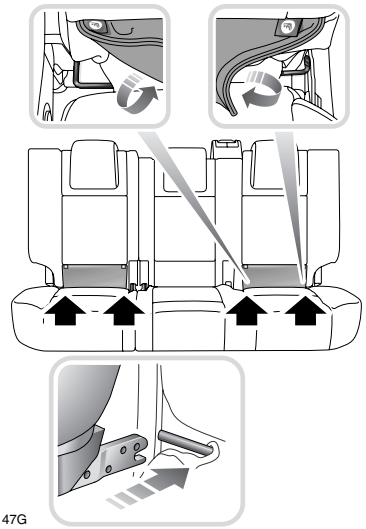
When the child seat belt is renovating all of the seat belt is allowed to retract, the seat belt locking mechanism reverts to normal operation.

ISOFIX CHILD RESTRAINTS

WARNING

DO NOT attempt to fit ISOFIX restraints to the centre seating position - the anchor bars are not designed to hold an ISOFIX restraint in this position.

In some markets, child restraint systems complying with International Standard Organisation regulations and approved for fitting in your vehicle may be available. These restraints are different from conventional child seats, requiring anchor bars built into the vehicle seat in order to accept the ISOFIX locking mechanism.



LAN0147G

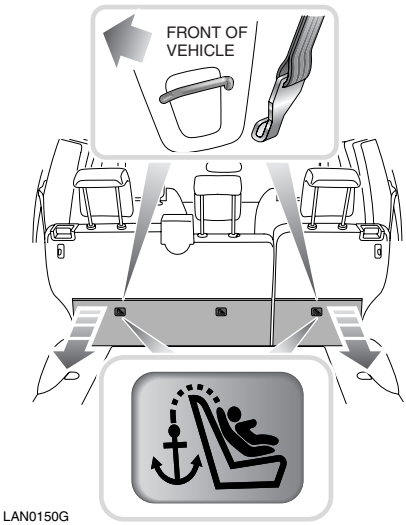
Both outer rear seating positions in your vehicle are equipped to accept ISOFIX restraints.

Child Restraints

To install your child seat with an ISOFIX restraint system:

- Raise or remove the head restraint.
- Lift the velcro strap, exposing the ISOFIX locking mechanism.
- Slide the child seat into the locking mechanism.

The tether anchorages are provided at each seating position equipped to accept Isofix child restraints (shown in the illustrations).



LAN0150G

Note: *Always ensure that, if an upper tether is provided, it is secured and tightened properly as this provides the maximum protection for a child.*

Fitting ISOFIX child restraints

WARNING

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.

Child restraint anchorages are designed to withstand only 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.

ISOFIX child restraints should only be fitted in the two **outer** rear seating positions. Anchor bars built into the rear seat frame, enable the ISOFIX restraints to be securely attached to the vehicle seat only in these positions.

In addition, two tether anchor bars are fitted to back of the rear seats, to secure child restraint anchor straps.

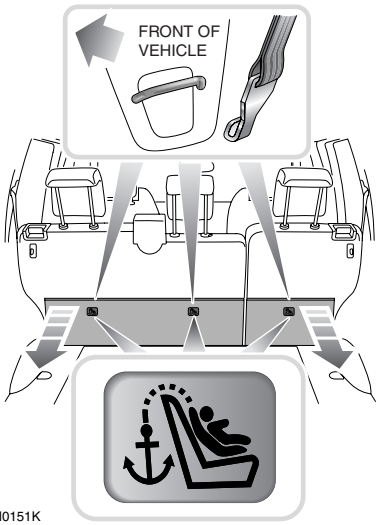
When fitting ISOFIX child restraints, always follow the instructions supplied by the manufacturer of the restraint.

Once the ISOFIX restraint is installed, you are recommended to test the security of the installation before seating the child. Attempt to twist the restraint from side to side and to pull the restraint away from the vehicle seat; then check that the anchors are still securely in place.

TETHER STRAP ANCHORAGES (Australia only)

WARNING

Child restraint anchorages are designed to withstand only 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.



LAN0151K

Provision is made in the rear seats for the fitting of up to three child seats, of the type that requires tether strap anchorage points.

There are three tether strap anchorage points. These should be used to attach tether straps from child seats or restraint systems. Three anchorage points are located in the floor panel of the luggage area behind the rear seats.

CHILD RESTRAINT CHECK LISTS

Non-ISOFIX child restraints

Follow the check list every time a child travels in the vehicle:

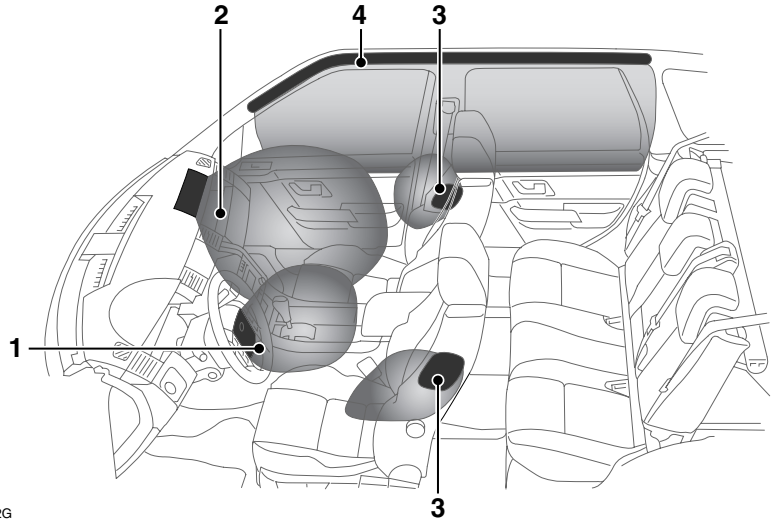
- Carefully follow the instructions provided by the manufacturer of the restraint system.
- Always use the appropriate child restraints and adjust harnesses for every child, every trip.
- Avoid dressing a child in bulky clothing and do not place any objects between the child and the restraint system.
- Regularly check the fit of a child seat and replace seats or harnesses that show signs of wear.
- Ensure that you have removed all slack from the adult seat belt.
- No child seat is completely child-proof. Encourage a child not to play with the buckle or harness.
- Never leave a child unsupervised in the vehicle.
- Activate the rear door child safety locks. See **CHILD SAFETY LOCKS, 51**.
- Ensure that a child does not exit the vehicle from the side where there is traffic.
- Set children a good example - always wear your seat belt.

ISOFIX child restraints

Follow the check list every time a child travels in the vehicle:

- **Always attach the top tether when installing the ISOFIX seat.**
- Carefully follow the instructions supplied with the child seat.
- Always give the ISOFIX seat a final pull to ensure that the lower anchors are secure.
- Always use the appropriate child restraints and adjust the harnesses for every child, every trip.
- Make sure that a child falls into the correct weight range for the seat.
- Avoid dressing a child in bulky clothing and do not place any objects between the child and the restraint system.
- Regularly check the fit of a child seat and replace seats and harnesses that show signs of wear.
- No child seat is completely child-proof. Encourage children not to play with the buckle or harness.
- Never leave a child unsupervised in the vehicle.
- Activate the rear door child safety locks. See **CHILD SAFETY LOCKS, 51**.
- Ensure that a child does not exit the vehicle from the side where there is traffic.
- Set children a good example - always wear your seat belt.

Airbags



LAN0152G

WARNING

The airbag is a supplementary restraint system that provides ADDITIONAL protection in a severe impact only - it does NOT replace the need to wear a seat belt. To reduce the risk of severe injury or death in the event of a crash, all occupants in all seating positions, including the driver, should always wear their seat belt, whether or not an airbag is present at that seating position.

An inflating airbag can cause facial abrasions and other injuries. Minimise the risk of injury by ensuring that front seat occupants are wearing their seat belts and are seated correctly, with the seat as far back as is practical.

Ensure that a gap is maintained between the side of the vehicle and the head and torso, to enable unobstructed inflation of the curtain and seat mounted side airbags. DO NOT lean out of the window.

INTRODUCTION

The airbag supplementary restraint system (SRS) incorporates front airbags **1** and **2**, seat mounted side airbags **3** and curtain airbags **4** for the driver and front passenger and curtain airbags **4** for the rear seat outboard passengers (see illustration for airbag locations). These are indicated by the word **AIRBAG** on the trim.

Provided occupants are correctly seated, with seat belts properly worn, the airbags will provide additional protection to the chest and facial areas of the front seat occupants in the event of the vehicle receiving a severe frontal impact, and also to the side of the body facing the impact, if a severe side collision occurs.

In the event of a side collision or a roll-over, curtain airbags will afford additional protection to the side of the head facing the impact for the front seat and outer rear seat occupants.

Disability modifications

Occupants with disabilities that may require the vehicle to be modified must contact a Land Rover Dealer/Authorised Repairer before any modifications are made.

Airbag warning indicator



A warning indicator mounted in the instrument pack will alert you to any malfunction of the airbag, see **Warning Indicators, 104**. The airbag should always be checked by a Land Rover Dealer/Authorised Repairer if any of the following symptoms occurs:

- The warning indicator fails to illuminate when the starter switch is turned to position **II**.
- The warning indicator fails to extinguish within approximately four seconds after the starter switch is turned to position **II**.
- The warning indicator illuminates after the engine is started, or while the vehicle is being driven.

HOW THE AIRBAGS WORK

In the event of a collision, the airbag control unit monitors the rate of deceleration induced by the collision, to determine whether the airbags should be deployed.

Operation of the airbag is dependent on the rate at which the vehicle's passenger compartment changes speed as a result of a collision. The circumstances affecting different collisions (vehicle speed, angle of impact, type and size of object hit, for example), vary considerably and will affect the rate of deceleration accordingly.

Note: *Airbags will only deploy when they are required to supplement the restraining force of the front seat belts.*

Note: *The airbag is not designed to operate as a result of:*

- *Rear collisions.*
- *Minor front impacts.*
- *Minor side impacts.*
- *Heavy braking.*
- *Driving over bumps and potholes.*

It follows, therefore, that significant superficial damage can occur without the airbags deploying or, conversely, that a relatively small amount of structural damage may cause the airbags to be deployed.

Dual stage deployment

The front airbags deploy in two stages, depending on the severity of the frontal collision. The unit monitors the rate of deceleration during the impact.

In a moderately severe frontal impact, the airbags inflate sufficiently to protect the front seat passengers and reduce the risk of injury.

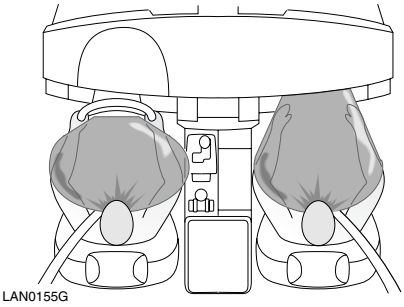
In a severe frontal impact, the airbags will fully inflate thereby providing maximum protection.

Airbag inflation is virtually instantaneous and occurs with considerable force, accompanied by a loud noise. The inflated bag, together with the seat belt restraint system, limit the movement of an occupant, thereby reducing the risk of injury to the head and upper torso.

In the case of a severe frontal collision, both front airbags will be deployed. In the case of a severe side collision, only the seat mounted side airbags and curtain airbags on the impacted side of the vehicle will inflate.

However, there may also be impact conditions whereby one set of side and both front airbags deploy at the same time, or where front and side airbags respond separately as a result of a secondary impact occurring after the initial collision has taken place.

1 and 2. Front mounted airbags

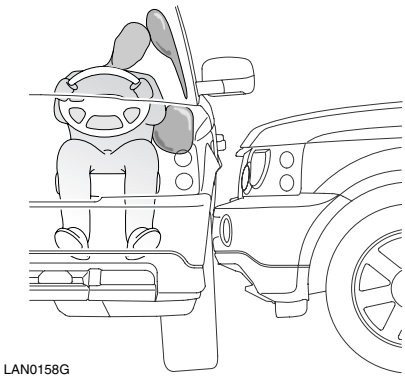


LAN0155G

3 and 4. Side and Curtain airbags

WARNING

For the curtain airbags to deploy correctly, the roof lining and A post trim must be undamaged and fitted correctly. Any damage or suspect fitting should be referred to a Land Rover Dealer/Authorised Repairer for examination.



LAN0158G

Curtain airbags are designed to protect the head in the event of a severe side impact or roll-over event. They will NOT inflate as a result of frontal or rear impacts alone.

The curtain airbag modules are located behind the roof lining and pillar finisher, above the doors. In the event of a severe side collision, the airbag pushes out from behind the roof lining and pillar finisher as it inflates. The curtain airbag remains inflated for longer than the other airbags, to provide additional head protection in the event of a secondary impact/vehicle roll-over.

Deployment effects

WARNING

When an airbag inflates, a fine powder is released. This is not an indication of a malfunction. However, the powder may cause irritation to the skin and should be thoroughly flushed from the eyes and any cuts or abrasions of the skin.

Activation of an airbag creates dust, causing possible breathing difficulties for asthma sufferers or other people with respiratory problems. If an airbag is activated, any occupant who suffers from breathing difficulties should either leave the vehicle as quickly as possible, or obtain fresh air by fully opening the windows and doors.

Following inflation, some airbag components are hot - DO NOT touch until they have cooled.

After inflation, the front and seat mounted side airbags deflate immediately (curtain airbags deflate slowly). This provides a gradual cushioning effect for the occupant and also ensures that the driver's forward vision is not obscured.

WARNING

Even with airbag equipment fitted, seat belts must ALWAYS be worn because:

- **An airbag will only provide additional protection in certain types of frontal collisions. NO protection is afforded against the effects of rear impacts, or minor frontal impacts.**
- **Inflation and deflation take place instantaneously and will not provide protection against the effects of secondary impacts that can occur during multiple vehicle collisions.**

Obstruction of airbags

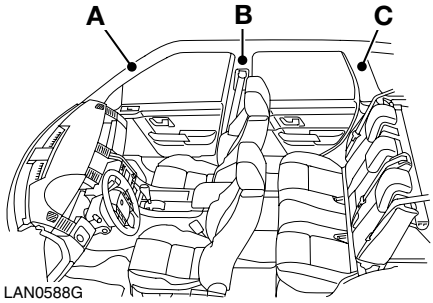
WARNING

Do not allow passengers to obstruct the operation of the airbags by placing feet, knees or any other part of the person, or any other objects in contact with, or in close proximity to, an airbag module.

DO NOT attach or position items on, or close to the roof lining, A, B and C post finishers, front seat backs or to an airbag cover, which could interfere with the inflation of the airbag or, if the airbag inflates, be propelled inside the vehicle causing injury to the occupants.

Caution: If a non-approved phone system is to be fitted, ensure that the installer is aware of the airbag system.

To ensure correct deployment of the airbags, it is essential that obstructions are not allowed to intervene between an airbag and the occupant. The following are examples of the type of obstructions that could either, impede correct operation of the airbags, or jeopardise personal safety in the event of an airbag deployment:



- Accessories attached to or obscuring an airbag cover, including; the roof lining, A, B and C post finishers and the seat backs of the front seats.
- Items of hand luggage, or other objects placed on an airbag cover.
- Feet, knees or any other part of the anatomy in contact with, or in close proximity to, an airbag cover.
- Head, arms or any part of the anatomy in contact with, or in close proximity to, a seat mounted side airbag.
- Items of clothing hanging from the grab handle attached to the roof.
- Items of clothing or cushions draped over the part of the front seat containing the airbag.
- Non-approved seat covers/accessory seat covers over a front seat; in particular, seat covers that have not been designed for use with side airbag. If in doubt, consult your Land Rover Dealer/Authorised Repairer.

Note: *Unauthorised modification of the vehicle or parts may invalidate the vehicle's warranty.*

PASSENGER AIRBAG DISABLING SWITCH

WARNING

Do not use a child restraint on a seat protected by an operational airbag in front of it.

There is a risk of death or serious injury when the airbag deploys.

The safest place for children is properly restrained in the rear seats.



If it becomes necessary to fit a child restraint on the front passenger seat, the airbag must be de-activated using the switch located on the end of the instrument panel on the passenger's side. Access to the switch can only be obtained with the passenger's door open.

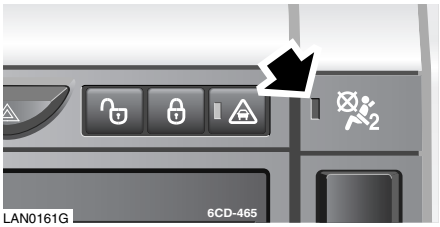
This switch is operated using the starter key.

To use a child restraint in the front, make sure that the key switch is turned to the OFF position.

Operational status indicator

WARNING

When checking the status of the airbag using the operational status lamp, always ensure that the starter key is in position II.



The passenger airbag operational status indicator is an oblong lamp which illuminates amber when the passenger airbag disabling switch has been turned to the OFF position to de-activate the passenger's airbag.

After the airbag has been de-activated, the indicator does not illuminate until the starter key has been turned to position **II**.

Airbag switched off

WARNING

To avoid the risk of injury, NEVER use a child restraint in the front of the vehicle unless the passenger airbag has been switched OFF.

To ensure that the adult restraint system performs as intended, make sure that the passenger airbag is switched ON



LAN0162G

In order to fit a child restraint to the front passenger seat, use the starter key to turn the airbag disabling switch to the OFF position.

Check that when the vehicle has been switched on (position **II**), the operational status lamp on the instrument panel is illuminated indicating that the passenger airbag is NOT operational.

If the airbag warning indicator in the instrument cluster illuminates continuously, it means that there is a malfunction of the system, see **Warning Indicators, 104**.

Remove the child restraint from the front seat and consult your Land Rover Dealer/Authorised Repairer.

Airbag switched on



LAN0163G

When an adult is seated in the front passenger seat of your vehicle, ensure that the airbag disabling switch is turned to the ON position.

This will ensure that the airbag will perform as intended in the event of a crash.

Check that, when the vehicle is switched on (position **II**), the operational status lamp on the instrument panel is NOT illuminated, indicating that the passenger airbag is operational.

The safest place in your vehicle for a child, is in the rear seat.

SERVICE INFORMATION

WARNING

DO NOT attempt to service, repair, replace, modify or tamper with any part of the airbag, or wiring in the vicinity of an airbag component; this could cause the system to activate, resulting in personal injury.

WARNING

For your safety it is recommended that you seek the assistance of a Land Rover Dealer/Authorised Repairer to carry out any of the following:

- **Removal or repair of any wiring or component in the vicinity of any of the airbag components, including the steering wheel, steering column, door trim, roof lining, instrument pack and instrument panel.**
- **Installation of electronic equipment such as a mobile phone, two-way radio or in-car entertainment system.**
- **Modification to the front or side of the vehicle, including the bumper and chassis.**
- **Attachment of accessories to the front or side of the vehicle.**

Caution: The components that make up the airbag 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.

In addition, ALWAYS contact your Land Rover Dealer/Authorised Repairer if:

- an airbag inflates.
- the front or side of the vehicle is damaged, even if the airbag has not inflated.
- any part of an airbag module cover shows signs of cracking or damage.
- any trim containing airbags - front seat back, headlining or pillar trims - becomes damaged.

STEERING COLUMN ADJUSTMENT

WARNING

DO NOT adjust the steering wheel position while the vehicle is in motion. This is extremely dangerous!

Ensure that the lever is fully up. Inadvertent movement of the wheel might occur if the lever is not fully tightened.



LAN0168G

The steering wheel position can be adjusted in two directions.

Move the lever located under the steering wheel fully downwards (see inset).

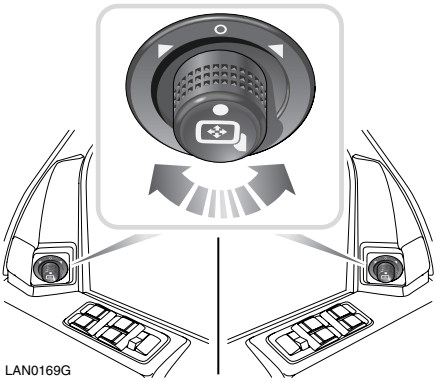
Adjust the steering wheel up or down, in or out.

Move the lever fully up to lock.

EXTERIOR MIRRORS

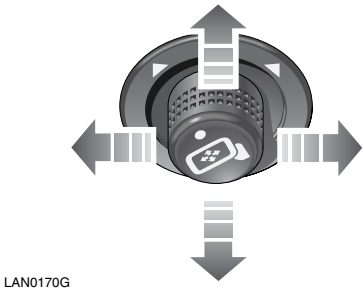
Caution: Objects viewed in exterior mirrors may appear further away than they actually are.

Mirror adjustment



Left and right hand drive.

With the starter switch turned to position **I** or **II**, rotate the knob to select either the left or right-hand mirror. Push the knob in the appropriate direction to tilt the mirror glass up/down/left or right.



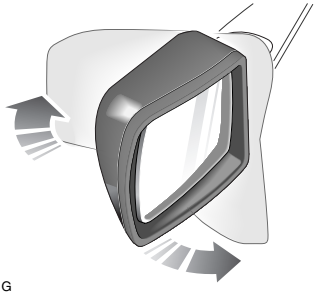
The door mirrors have integral heating elements which disperse ice or mist from the glass. These will operate automatically with the starter switch in position **II** and are controlled according to the external temperature and wiper status.

Note: *On vehicles fitted with the driver's seat memory facility, up to three exterior mirror positions for each of three possible starter keys can be stored. See* ***DRIVER'S SEAT MEMORY FACILITY, 57****.*

Door Mirrors

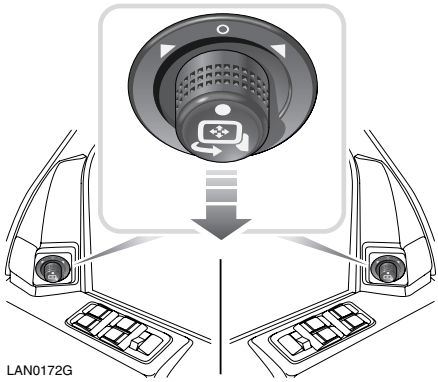
Folding the mirror body

The door mirrors are designed to fold forwards or rearwards on impact. They can also be folded in towards the side windows into a park position.



LAN0171G

Manual operation: On some vehicles this operation can be carried out manually, by physically pushing the mirror bodies towards the side windows.



LAN0172G

Left and right hand drive.

Electric operation: With the rotary knob in the central position, push the knob downwards to fold the mirrors. Push the knob downwards again to unfold the mirrors.

If the mirrors are accidentally knocked out of position (i.e. with one mirror folded and the other in the normal position), an additional operation of the switch will re-synchronise them.

Door Mirrors

Reverse mirror dipping

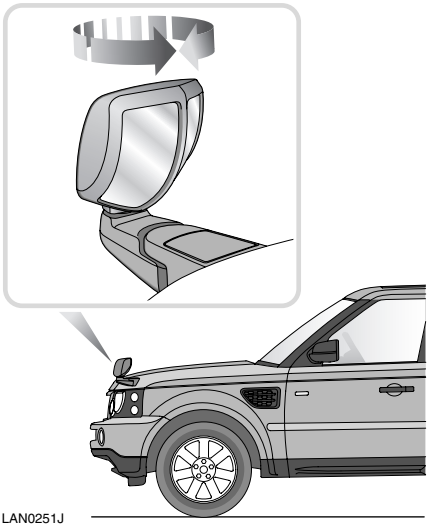
Vehicles with driver's seat memory have a pre-stored function, which causes the door mirrors to dip whenever reverse gear is selected, giving the driver a view of the kerbside.

When this feature is first turned on, the mirrors will dip to a pre-set amount. See **SELECTING SETTINGS OPTION, 88**. The degree of dipping can be programmed using the following sequence:

1. Insert the starter key and turn it to position **I** or **II**. Do not start the engine.
2. Adjust the seat and the exterior mirrors to the correct position and perform a memory-store routine. See **Setting the memory pre-sets, 57**.
3. Select reverse gear - the mirrors will dip to a pre-set level.
4. Adjust the mirrors to the required dipped position.
5. Perform a memory-store sequence.
6. Within 5 seconds, press the pre-set button you previously stored the seat and mirror positions on.
7. **DOOR MIRROR DIP STORED** will be displayed on the message centre.
8. A single chime will sound from the instrument pack.

*This feature can be enabled or disabled by a Land Rover Dealer/Authorised Repairer or by the driver. See **SELECTING SETTINGS OPTION, 88**.*

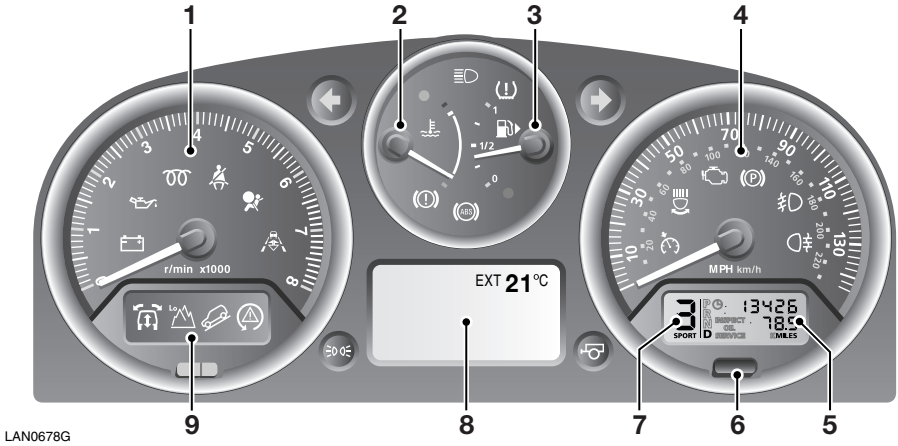
Proximity mirror (Japan only)


LAN0251J

The proximity mirror has a split lens, providing views along the left side and immediately ahead of the vehicle. Correct adjustment of the mirror will reduce blind spots.

Adjust the mirror by rotating the head to the left or right. The mirror should be adjusted a few degrees at a time and the view checked from the driver's seat before making further adjustments.

INSTRUMENT PACK



LAN0678G

1. Tachometer

Indicates engine speed in revolutions per minute (x 1000). In normal driving conditions the engine is most fuel efficient between 2000 and 3000 rev/min.

2. Temperature gauge

At normal operating temperature, the pointer will be positioned midway between the RED and BLUE segments of the gauge (the precise position will vary according to climatic conditions).

If the pointer moves above the mid point, the engine coolant is becoming too hot. Should the pointer move INTO the RED segment and the RED warning indicator within the gauge illuminates, severe engine damage could occur.



LAN0175G

Idle the engine and allow to cool down until the temperature gauge recovers. If the problem persists, seek qualified assistance before continuing.

Note: *If the engine is in danger of overheating, the air conditioning may switch off and engine performance may reduce, in order to minimise engine load.*

3. Fuel gauge

Caution: NEVER allow vehicles to run out of fuel as the resultant misfire may destroy the catalytic converter.

When the starter switch is turned to position **II**, the pointer quickly rises to show the level of fuel in the tank.



LAN0176G

When the remaining fuel reaches a minimum of 12 litres (3 gallons) on petrol vehicles, the AMBER low fuel warning indicator in the fuel gauge illuminates (arrowed).

The remaining fuel should give a range of 80 km (50 miles).

The small arrow visible alongside the fuel pump symbol on the gauge indicates the side of the vehicle on which the fuel filler is located - a useful reminder to help you position the vehicle on the correct side of the forecourt pumps before refuelling.

4. Speedometer

Indicates road speed.

5. Total distance (odometer) and trip recorder

Indicates the total distance travelled, and also shows the most recent individual journey distance. See **ODOMETER DISPLAY, 103**.

6. Trip recorder reset switch

With the starter switch in position **II**, pressing this button resets the trip recorder to zero.

7. Gear selector position display

Displays the current gear selector position. See **GEAR SELECTOR DISPLAY, 102**.

8. Main message centre

Displays all warning and information messages. See **MAIN MESSAGE CENTRE, 90**.

9. Tachometer indicators panel

Displays four system status indicators.

TRIP COMPUTER - FUNCTION SELECTION



LAN0177G

The trip computer functions can be set by the user to give a wide range of information, with the units used by the displays being chosen by the driver. See **SELECTING SETTINGS OPTION, 88**.

The system is also used to display any warning messages generated by the vehicle's self-checking facility.

At engine start-up, the screen shows **SYSTEM CHECK IN PROGRESS**. When this check is completed, the screen will show the outside temperature. If the vehicle is in motion, the screen will also show the current trip distance.

Trip computer statistics can be viewed by pressing the **i** button on the end of the direction indicator stalk.

A long press of the button (over two seconds) will zero the trip distance recorder which will then start to record distance from that point.



LAN0180G

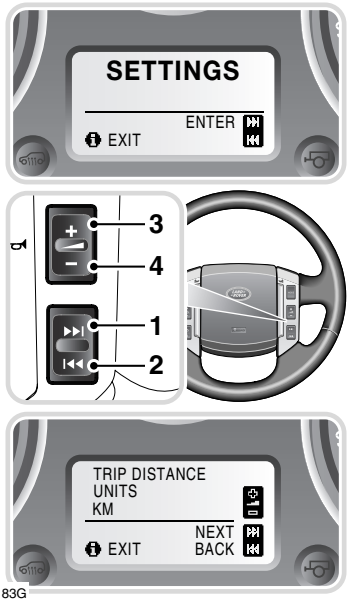
A series of short presses of the button (less than two seconds) will scroll through the following:

- Available range (with current fuel tank contents)
- Average fuel consumption
- Average speed
- The option to activate/de-activate the overspeed warning function (A long press of the button turns the function on or off)
- A review of active warning messages
- A blank trip computer window (screen shows outside temperature)
- Settings option menu
- A display of trip distance
- Time display

Settings Option

SELECTING SETTINGS OPTION

Various vehicle functions can be selected to suit personal requirements. These can be set by the driver.



LAN0183G

With the starter key in any position, but with the vehicle stationary and a blank screen displayed, a short press (less than two seconds) on the **i** (information) button on the end of the direction indicator stalk brings up the **SETTINGS** display.

Once this screen is displayed, pressing button **1** gives access to the menu of options that can be personalised.

Move through the Settings menu by pressing buttons **1** or **2**, and make choices by pressing buttons **3** or **4**.

When you have finished making adjustments, a short press (less than two seconds) on the **i** button will return you to the trip computer display.

Settings Option

SETTINGS	CHOICE
TRIP DISTANCE UNITS (odometer)	MILES/KM
FUEL USAGE UNITS	MPG l/100km Km/l
EXTERNAL TEMPERATURE	^{0}C or ^{0}F
OVERSPEED WARNING	Off 20 - 250 km/h or 15 to 140 mph in 5-unit steps (units set as trip distance)
HEADLAMP OFF DELAY	30/60/120/240 seconds
AUTO DOOR LOCK (speed related locking)	ON/OFF
REVERSE MIRROR DIP	ON/OFF
LAZY ENTRY	ON/OFF
RESTORE DEFAULT SETTINGS	YES/NO

Confirming choices

After making any changes to the Settings options, press the information button again to save settings and exit.

Note: *If the vehicle is moved while any changes are being made to the Settings options, the system will prevent any further input until the vehicle is stationary again.*

Key memory

All of the choices made during Settings are stored within the vehicles memory. The choices are referenced to the remote control that was used during the process.

These choices are recalled when the vehicle is next unlocked using that remote control.

MAIN MESSAGE CENTRE



LAN0186G

Driver warning and information messages are displayed in the main message centre.

They are displayed when a fault is detected and also when the starter switch is turned off. It is possible, by pressing the **i** button on the direction indicator stalk, to view messages for up to 3 minutes after the key has been removed from the starter switch.

Messages have different priority levels and are grouped into the following categories.

Critical warning messages

Critical warning messages are accompanied by an audible warning and may have the handbook symbol next to it.

DO NOT ignore these messages - TAKE CORRECTIVE ACTION IMMEDIATELY!

Warning messages

Warning messages are non-critical, but must be treated with some urgency. They will also be accompanied by an audible warning each time the message is displayed.

DO NOT ignore these messages - TAKE CORRECTIVE ACTION AS SOON AS POSSIBLE.

All Warning messages are displayed for approximately 4 seconds, after which the i▸ symbol is displayed in the main message centre for as long as the message exists. there are current warning messages waiting to be reviewed. Review the messages by pressing the **i** button on the direction indicator stalk until the list of messages appears. The message centre will then automatically cycle through the messages, until the **i** button is pressed again.

Information messages will be displayed as and when applicable, and also when the starter switch is turned on or off. Where the message requires action by the driver - TAKE CORRECTIVE ACTION AS SOON AS POSSIBLE.

Messages are displayed in order of importance with critical warnings taking priority.

Information messages

Information messages will be displayed as and when applicable, and also when the starter switch is turned on or off. Where the message requires action by the driver - TAKE CORRECTIVE ACTION AS SOON AS POSSIBLE.

Messages are displayed in order of importance with critical warnings taking priority.

Languages

The language displayed in the main message centre is a dealer configurable feature.

The languages supported are:

- English
- English US
- French
- German
- Italian
- Spanish

If your vehicle has the navigation option, the language you select for navigation display will also be displayed in the main message centre, if it is one of the supported languages in the above list. If the main message centre does not support the selected navigation language, English will be displayed.

MESSAGE CENTRE MESSAGES

The following table is a comprehensive list of all messages that could appear in the message centre. Market criteria mean that some messages will not apply to your vehicle and will therefore not appear.

Message	Meaning	What to do?
The i icon appears in the display	There are current warning messages waiting to be reviewed.	Press the **i** button on the end of the direction indicator stalk to view the list of messages.
AIRBAG FAULT	Fault in supplementary restraint system.	Seek qualified assistance immediately.
CANNOT EDIT ON THE MOVE	Driver has attempted to access the Customer Settings menu when the vehicle is moving.	Stop the vehicle before entering Customer Settings menu.
CAUTION PARKBRAKE APPLIED	Parkbrake has been applied while the vehicle is moving.	Only use this function in an emergency.
CAUTION! RISK OF GROUNDING WITH SUSPENSION AT NORMAL HEIGHT	Displayed when the Terrain Response system would normally have provided off-road height but the driver has manually lowered the vehicle (or the system cannot raise the vehicle).	Raise suspension manually to off-road height if possible and appropriate.
CHECK ALL TYRE PRESSURES	Advisory message, pressure in a running tyre decreased to first warning threshold.	Check tyre pressures.
CHECK BRAKE FLUID	Brake fluid in reservoir below recommended level.	Seek qualified assistance immediately.
CHECK BRAKE PADS	Brake pads worn beyond the service limit.	Seek qualified assistance immediately.
CHECK SPARE TYRE PRESSURE	Pressure in spare tyre decreased to warning threshold.	Check pressure of spare tyre.
COOLING SYSTEM FAULT MONITOR GAUGE	Low coolant level	Stop the vehicle and check level. Top up with engine coolant. If the problem persists, consult your Dealer.
CRUISE CANCELLED	Driver has switched off cruise control.	Nothing.

Message	Meaning	What to do?
DRIVER OVERRIDE	Driver is pressing the accelerator pedal during cruise control.	Nothing, message will clear when the driver releases the accelerator, then cruise control will resume.
CRUISE NOT AVAILABLE	System not available due to system fault.	Consult your Land Rover Dealer/Authorised Repairer.
CRUISE CONTROL NOT PERMITTED	System fault or vehicle operating parameters outside threshold for operation of cruise control.	Consult cruise control section of this handbook for guidance.
SET SPEED XXX MPH KM/H	Speed set for Adaptive Cruise Control.	Nothing.
CRUISE GAP 	Adaptive Cruise Control set distance (time gap).	Adjust to required distance. (4 settings).
ACC SENSOR BLOCKED	Adaptive Cruise Control field of view may be obstructed.	Check to make sure nothing is covering the ACC sensor.
FWD ALERT ON (or OFF)	Forward alert feature has been turned on or off.	Nothing.
FWD ALERT <---->	Forward alert sensitivity adjustment.	Adjust to required sensitivity. (4 settings).
DOOR MIRROR DIP STORED	Memory system - confirmation that memory has stored driver information.	Nothing.
DRIVER INTERVENE	Alert that action by the driver to apply the brakes is required.	If required, the driver should apply the brakes.
DRIVER'S DOOR OPEN	Driver's door open or not fully closed.	Close driver's door.
DSC SWITCHED OFF	System not available - switched off by driver.	To reselect, press DSC switch.
ENGINE SYSTEM FAULT	Engine management system registers a serious fault - reduced performance may be experienced.	Avoid high speeds and consult your Land Rover Dealer/ Authorised Repairer.
ENGINE SYSTEM SERVICE REQUIRED	The relevant service interval has elapsed and your vehicle requires servicing.	Arrange as soon as possible.
FASTEN SEAT BELTS	Seat occupied and safety belt not fastened.	Fasten safety belt.

Message Centre

Message	Meaning	What to do?
GRASS GRAVEL SNOW	If you leave the rotary knob in this position then you will activate the highlighted Terrain Response special program.	Nothing.
GRASS GRAVEL SNOW PROGRAM SELECTED	The rotary knob has been left in one position for longer than two seconds and Grass Gravel Snow special program has been activated.	Nothing.
HDC FAULT SYSTEM NOT AVAILABLE	System fault.	Drive with care and do not attempt to descend steep slopes. Seek assistance immediately.
HDC NOT AVAILABLE IN THIS GEAR	HDC not operative because of incorrect gear selection. HDC is fully functional in **1**, **R** and **D** in HIGH range. It operates in all gears in LOW range.	Select correct gear if HDC is required. In LOW range, HDC operates in all gears.
HDC NOT AVAILABLE SPEED TOO HIGH	HDC unavailable, speed threshold exceeded. Max HDC operating speed is 50 km/h, max speed for HDC selection is 80 km/h.	Reduce vehicle speed.
HDC SWITCHED OFF	HDC switched off by driver, Terrain Response system or speed threshold exceeded.	Nothing.
HDC TEMPORARILY NOT AVAILABLE SYSTEM COOLING	HDC switched off while brake system is cooling.	Wait until message disappears before attempting to descend steep slopes.
HIGH ENGINE SPEED FOR COOLING	Engine idle speed increasing to improve cooling and/or air conditioning performance.	Nothing.
HIGH/LOW RANGE SELECTED	Advises driver that transfer box has engaged HIGH/LOW range.	Nothing.
INTERIOR LIGHTS OFF	Courtesy lamps can only be operated manually, and will not illuminate when a door is opened.	Nothing
INTERIOR LIGHTS AUTOMATIC	All courtesy lamps have been enabled.	Nothing

Message Centre

Message	Meaning	What to do?
KEY BATTERY LOW PLACE KEY IN IGNITION TO CHARGE	Remote control battery charge low.	Insert key in starter switch and start the engine to recharge the remote control battery.
LOW COOLANT LEVEL	Coolant level in header tank below recommended level.	Stop the vehicle and check level in the header tank. Top up with correct mixture of antifreeze and water at the earliest opportunity. If the problem persists, consult your Land Rover Dealer/Authorised Repairer.
LOW WASHER FLUID	Washer fluid quantity below 1 litre.	Top up washer fluid.
MEMORY 1/2/3 STORED/SELECTED	Memory system - confirmation that memory has been stored/selected.	Nothing.
MUD RUTS	If you leave the rotary knob in this position then you will activate the highlighted Terrain Response special program.	Nothing.
MUD RUTS SELECTED	The rotary knob has been left in one position for longer than two seconds and Mud Ruts special program has been activated.	Nothing.
PARKBRAKE BEDDING CYCLE ACTIVE	A garage technician has requested a bedding cycle.	If not required, an ignition reset will cancel the function.
PARKBRAKE FAULT	Supports the amber warning indicator - electric parkbrake functions may not be available.	Seek qualified assistance.
PARKBRAKE FAULT AUTO RELEASE NOT FUNCTIONAL	Drive-away release function is not available.	Use manual release.
PARKBRAKE FAULT SYSTEM NOT FUNCTIONAL	Supports the red warning indicator - electric parkbrake functions are not available.	Seek qualified assistance immediately.
PARKBRAKE FAULT TO HOLD VEHICLE REMOVE KEY THEN APPLY PARKBRAKE	Electric parkbrake has lost vehicle speed information.	Follow the instructions to park the vehicle.

Message Centre

Message	Meaning	What to do?
PARKBRAKE OFF LIFT SWITCH TO APPLY	An emergency release operation is detected.	Once original faults have been corrected, apply the switch to reinstate electric parkbrake.
PARK LOCK FAILURE APPLY HANDBRAKE	Automatic transmission park lock function ineffective due to transfer box being out of HIGH or LOW range.	Seek qualified assistance immediately.
PRESS FOOT BRAKE AND PARKBRAKE SWITCH TO RELEASE	A switch release has been detected without brake pedal contact.	Follow the instructions to achieve a manual release.
PRESS FOOT BRAKE OR CLUTCH AND PARKBRAKE SWITCH TO RELEASE	A switch release has been detected without brake pedal contact.	Follow the instructions to achieve a manual release.
PROGRAM CHANGE IN PROGRESS	Conditions prevail which make it temporarily impossible to select a new Terrain Response program. This can be due to ABS or DSC activity or the overheating of the electronic differentials.	Be patient. If conditions change within 60 seconds, the chosen program will be activated. If the message is prompted by electronic differential overheat, then it will take longer but there will be separate advice about this. Once the differentials have cooled and this advice is no longer present, try to reselect the required special program.
RECOMMEND LOW RANGE IS SELECTED FOR MUD-RUTS PROGRAM	LOW range is usually better for Mud-Ruts special program.	Select LOW range if required.
RECOMMEND RAISING SUSPENSION TO OFF ROAD HEIGHT IN DEEP MUD-RUTS	In deep ruts it is beneficial to raise the vehicle to off-road height. This is done automatically in LOW range but has to be done manually if mud/ruts program is used in HIGH range.	Raise suspension manually to off-road height.

Message	Meaning	What to do?
RECOMMEND STARTING IN 2ND/3RD GEAR FOR SLIPPERY CONDITIONS	For slippery conditions it can be beneficial to start off in a higher gear than usual.	Select second/third gear.
REDUCED ENGINE PERFORMANCE	Engine management system registers a serious fault - reduced engine performance may be experienced.	Avoid high speeds and consult your Land Rover Dealer/Authorised Repairer.
RESET SUSPENSION HEIGHT IF CLEAR OF OBSTACLE	Suspension still in extended mode.	Check if vehicle is clear of obstacle. If clear, select required suspension.
ROCK CRAWL	If you leave the rotary knob in this position then you will activate the highlighted Terrain Response special program.	Nothing.
ROCK CRAWL SELECTED	The rotary knob has been left in one position for longer than two seconds and Rock Crawl special program has been activated.	Nothing.
SAND	If you leave the rotary knob in this position then you will activate the highlighted Terrain Response special program.	Nothing.
SAND SELECTED	The rotary knob has been left in one position for longer than two seconds and Sand special program has been activated.	Nothing.
SELECT LOW RANGE TO ACTIVATE ROCK CRAWL	Vehicle is not in LOW range, so Rock Crawl cannot be activated.	Select LOW range if Rock Crawl is required.
SELECT NEUTRAL FOR RANGE CHANGE	Alerts driver that range change will not occur until neutral is selected on the transmission.	Select neutral.
SLOW DOWN OR VEHICLE WILL LOWER/RAISE	Vehicle will automatically lower/raise if vehicle speed increases.	Choose to slow down or accept height change.
SPECIAL PROGRAMS OFF	You have deselected a Terrain Response special program and the general program has now been activated.	Nothing.

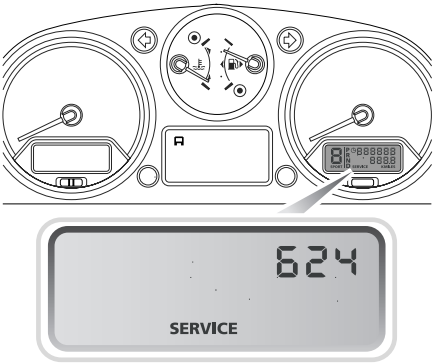
Message	Meaning	What to do?
SPEED TOO HIGH FOR RANGE CHANGE	Driver has requested range change when vehicle speed is too high.	Reduce speed to 40 km/h.
SUSPENSION ACCESS HEIGHT SELECTED	Access height selected.	Nothing.
SUSPENSION CLOSE DOOR TO CHANGE HEIGHT	Air suspension height change is prevented because a door is open.	Close all doors.
SUSPENSION FAULT	A fault has been detected in the air suspension system. System may still operate normally.	Seek qualified assistance immediately.
SUSPENSION FAULT MAX SPEED 50 KM/H (MAX SPEED 30 MPH)	A major fault has been detected in the air suspension system. Height cannot be controlled.	Drive slowly until fault can be rectified.
SUSPENSION FAULT NORMAL HEIGHT ONLY	A fault has been detected in the air suspension system. Only normal height is available.	
SUSPENSION FAULT STOP SAFELY STOP ENGINE	Major component failure.	Stop vehicle immediately and seek qualified assistance.
SUSPENSION FAULT VEHICLE LEAN WHEN CORNERING	A fault has been detected in the Dynamic Response system.	Drive slowly and take additional care until fault can be fixed.
SUSPENSION IN EXTENDED MODE	Vehicle body has become trapped on an obstacle and will raise automatically.	Nothing.
SUSPENSION LOCKED AT ACCESS HEIGHT	Crawl mode selected and suspension locked.	Nothing.
SUSPENSION NORMAL HEIGHT SELECTED	Normal height selected.	Nothing.
SUSPENSION SPEED TOO HIGH TO CHANGE HEIGHT	A height change has been requested but is prevented because speed is too high.	Reduce vehicle speed.
SUSPENSION START ENGINE TO RAISE VEHICLE	Vehicle height can only be raised with the engine running.	Start the engine.

Message	Meaning	What to do?
SUSPENSION VEHICLE RAISING SLOWLY	Vehicle is raising slowly because reservoir is empty (only displayed if lift time exceeds 24 seconds. This is NOT a system fault).	Nothing.
SUSPENSION WILL RAISE WHEN SYSTEM COOLED	Air suspension compressor is cooling. Lifting will resume when compressor has cooled.	Wait for suspension to carry out lifting sequence.
SYSTEM CHECK IN PROGRESS	Instrument cluster internal diagnostic routine.	Nothing.
SYSTEM FAULT SOME PROGRAMS NOT AVAILABLE	Some Terrain Response special programs are not available because of a system fault.	Be careful going off-road as Terrain Response may not function in the program required. Get the vehicle checked and rectified.
SYSTEM FAULT SPECIAL PROGRAMS NOT AVAILABLE	There is a fault on the vehicle which makes the Terrain Response special programs unavailable.	Be careful going off-road as Terrain Response cannot function in any of its special programs. Get the vehicle checked and rectified.
TERRAIN RESPONSE SPECIAL PROGRAMS OFF	If you leave the Terrain Response rotary knob in this position, you will activate the general program and any active Terrain Response special program will be deselected.	Nothing.
TRAILER CONNECTED OFF ROAD HEIGHT NOT SELECTED AUTOMATICALLY	Advisory message that vehicle has not selected off-road height as trailer socket is being used.	If a trailer is connected, do nothing, as it may not be safe to raise the vehicle to off-road height. If no trailer is connected electrically but something else is, such as a bike rack, then the vehicle can be raised to off-road height manually. If nothing is connected, then the socket needs checking for faults.
TRANSMISSION FAULT	Advises driver that automatic transmission has a fault.	Seek qualified assistance immediately.

Message	Meaning	What to do?
TRANSMISSION FAULT AND OVERHEAT	Advises driver that an automatic transmission fault has occurred and the temperature is too high.	Seek qualified assistance immediately.
TRANSMISSION FAULT LIMITED GEARS AVAILABLE	Advises driver that automatic transmission has a fault and performance may be affected.	Seek qualified assistance immediately.
TRANSMISSION FAULT STOP SAFELY	Advises driver that a fault has occurred with the electronic rear differential.	Stop the vehicle as soon as it is safe to do so.
TRANSMISSION FAULT TRACTION REDUCED	Advises driver that a fault has occurred with the transfer box control system.	Reduce speed and seek qualified assistance immediately. ***Note:*** *Off-road performance will be reduced.*
TRANSMISSION OVERHEAT SLOW DOWN	Rear differential temperature has reached or is approaching the overheat threshold.	Reduce speed and seek qualified assistance immediately.
TRANSMISSION RANGE CHANGE NOT AVAILABLE	Advises driver that a fault has occurred which prevents the transfer box from changing range.	Reduce speed and seek qualified assistance immediately.
TRANSMISSION TRACTION REDUCED	Transfer box control module fault.	Reduce speed and seek qualified assistance immediately.
TYRE PRESSURE NOT MONITORED	Possible loss of RF transmission or defective sensor battery.	Seek assistance immediately.
TYRE PRESSURE TOO HIGH	Pressure in a running tyre too high, threshold reached.	Adjust to correct pressure as soon as possible.
TYRE PRESSURE VERY LOW	Pressure in a running tyre decreased to warning threshold.	Adjust to correct pressure as soon as possible.
TYRE PRESSURE MONITORING SYSTEM FAULT	TPM system fault has occurred.	Seek qualified assistance immediately.
TYRE PRESSURES TOO HIGH		Adjust to correct pressure as soon as possible.
TYRE PRESSURES VERY LOW		Adjust to correct pressure as soon as possible.

Message	Meaning	What to do?
TYRE PRESSURE MONITORING SET FOR HEAVY LOAD	Indicates the system is set to monitor the tyre pressures for heavily laden conditions.	Ensure setting is correct for the current tyre pressures and loading conditions.
TYRE PRESSURE MONITORING SET FOR LIGHT LOAD	Indicates the system is set to monitor the tyre pressures for normally laden conditions.	Ensure setting is correct for the current tyre pressures and loading conditions.

SERVICE INTERVAL INDICATOR



LAN0187G

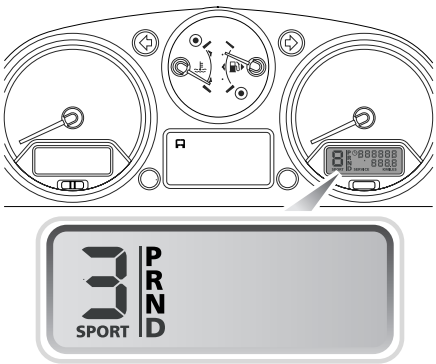
The service interval indicator is a market configurable feature and may not be enabled. If the feature is enabled, the display will become active when a pre-determined distance or time before service is reached. These pre-determined values are market dependent.

When the starter switch is turned to position **I** and the pre-determined value is reached, a distance countdown to the next service appears in the display. A minus sign preceding the distance indicates that the service interval point has been exceeded by that distance.

After approximately five seconds, the display reverts to show the total distance travelled.

Note: *After the completion of each service, the Land Rover Dealer/Authorised Repairer will reset the distance display for the countdown to the next service.*

GEAR SELECTOR DISPLAY



LAN0188G

This shows the current gear lever position and indicates when SPORT has been selected.

ODOMETER DISPLAY

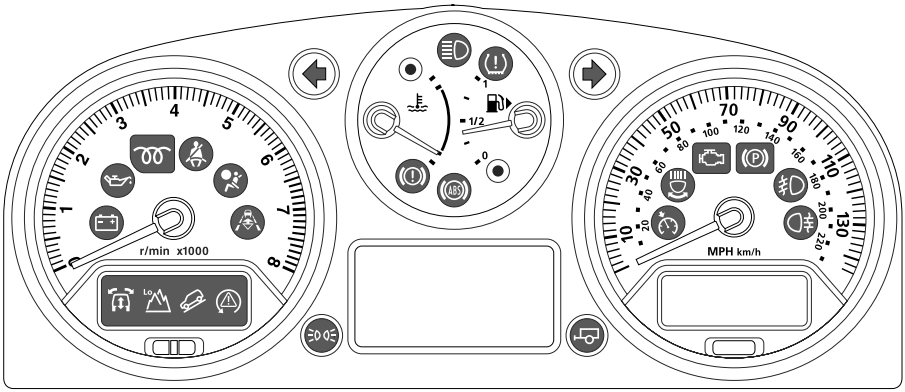


LAN0189G

With the starter switch turned to position **II**, the display indicates the total distance travelled by the vehicle, and also shows the most recent individual journey distance. See **SELECTING SETTINGS OPTION, 88**. Pressing the trip recorder reset button (see inset), resets the trip recorder to zero.

Warning Indicators

INDICATOR GROUPING



LAN0677G

Caution: RED warning indicators are of particular importance; their illumination indicates that a fault exists. If a RED warning indicator illuminates, stop the vehicle safely and review the specific instructions given in this section.

The location and specification of the warning indicators may vary according to model and market requirements.

For ease of identification, the warning indicator descriptions have been grouped into the five locations on the instrument pack.

These are:

- background
- tachometer
- fuel/temperature gauge
- message centre
- speedometer

BACKGROUND

Direction indicators - GREEN



An indicator flashes in time with the corresponding left or right direction indicator, whenever they are operated. If the warning indicator fails to flash, or flashes very rapidly, this may indicate a bulb failure in one of the direction indicator lamps.

If the hazard switch is pressed, both warning indicators will flash in conjunction with the direction indicators.

Side lamps/Headlamps - GREEN



The indicator illuminates when the side lamps or headlamps are turned on.

Trailer - GREEN



The indicator illuminates as a bulb check when the starter switch is turned to position **II** and extinguishes when the engine is started.

If a trailer is attached to the vehicle and the direction indicators are used, this indicator will flash in synchronisation with the direction indicators. If it does not flash, this indicates that a trailer bulb is defective.

TACHOMETER

Battery charging - RED



Illuminates as a bulb check when the starter switch is turned to position **II** 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 starter switch is turned to position **II** and extinguishes when the engine is started. If the indicator remains on, flashes on and off, or illuminates whilst driving, stop the vehicle as soon as safety permits and SWITCH OFF THE ENGINE IMMEDIATELY. Seek qualified assistance before driving. Always check the oil level when this indicator illuminates.

Glow plug - AMBER (diesel only)



Illuminates when the starter switch is turned to position **II**. When the engine is cold, wait for the lamp to extinguish before starting. If the engine is warm, the lamp will not illuminate.

Seat belt - RED



Illuminates when the starter switch is turned to position **II** and extinguishes after approximately 6 seconds, even if the driver's seat belt remains unfastened. In some markets illumination of the indicator will be accompanied by a warning chime. See **AUDIBLE WARNINGS, 109**.

Note: *In certain markets, the indicator will illuminate until the driver's seat belt is fastened correctly.*

Airbag - RED



The indicator illuminates when the starter switch is turned to position **II** and extinguishes after about 4 seconds. If the indicator illuminates at any other time, there is a fault with the system - seek qualified assistance urgently.

Adaptive Cruise Control (ACC) active



Illuminates when Adaptive Cruise Control detects a vehicle in front and will react to it.

Suspension- AMBER/RED



This lamp is shared between the Air suspension system and Dynamic Response.

The lamp illuminates both RED and AMBER briefly as a bulb check when the starter switch is turned to position **II**.

If illumination occurs whilst driving, a fault with one of the systems is indicated, as follows:

- If the lamp shows RED (a flashing red lamp which changes to constant illumination after two minutes, and is accompanied by a warning chime): This indicates a system fault that may result in serious damage to vehicle components and reduced Dynamic Response performance. Stop the vehicle as soon as safety permits and switch off the engine. DO NOT CONTINUE DRIVING! Seek qualified assistance immediately.

The following message will be displayed in the message centre window to accompany a red warning lamp for a dynamic response system failure:

SUSPENSION FAULT, STOP SAFELY, STOP ENGINE.

If the following message is displayed in the message centre:

SUSPENSION FAULT, MAX SPEED 50KPH (MAX SPEED 30MPH).

This indicates an air suspension fault, with the system not being able to control ride height. In which case the maximum speed indicated should not be exceeded until the fault has been rectified.

- If the lamp shows AMBER (constant illumination): This indicates a system fault that will result in reduced Dynamic Response performance but will not leave the vehicle in a dangerous condition. You may continue driving, but reduce speed, take additional care, and consult a Land Rover Dealer/Authorised Repairer at the earliest opportunity. The ride quality of the vehicle may be reduced in this condition.

The following message will be displayed in the message centre window to accompany an amber warning lamp:

SUSPENSION FAULT, VEHICLE LEAN, WHEN CORNERING.

If the following message is displayed in the message centre:

SUSPENSION FAULT, NORMAL HEIGHT ONLY.

This indicates an air suspension fault, but the vehicle can still be driven normally.

LOW gear- GREEN



Illuminates when LOW range has been selected; flashes during range change.

Hill Descent Control (HDC) information - GREEN



Illuminates briefly as a bulb and system check when the starter switch is turned to position **II** and also illuminates when HDC is selected.

If HDC is selected and all operating conditions are met, the indicator will illuminate continuously.

If HDC is selected and all operating conditions are not met (vehicle in neutral gear, vehicle speed above HDC operating range) the indicator will flash.

If a fault with the HDC system occurs, HDC will fade-out and then deselect, or deselect immediately (depending on the type of fault and whether or not HDC is in operation). The green indicator will extinguish and the message **SYSTEM NOT AVAILABLE** will be displayed in the message centre.

Dynamic Stability Control (DSC) and Electronic Traction Control (ETC) - AMBER



Illuminates briefly as a bulb check when the starter switch is turned to position **II**. The indicator also illuminates when DSC is switched off. De-activating DSC has no effect on traction control.

The indicator will flash while DSC and/or ETC is activated and will remain flashing until the system is no longer active.

If the indicator illuminates constantly, and does not extinguish when the DSC switch is pressed, a fault has been detected in the system and DSC and/or ETC will be inactive - drive with care and seek qualified assistance as soon as possible.

FUEL/TEMPERATURE GAUGE

Headlamp high beam - BLUE



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

TPM system operation



The tyre pressure warning comprises a yellow warning indicator (telltale) within the instrument pack and an associated message within the message centre.

Brake systems - AMBER/RED



This indicator shares its position and symbol with four brake system warnings and illuminates briefly as a bulb check when the starter switch is turned to position **II** (the indicator will illuminate red and amber during bulb check).

Emergency Brake Assist (EBA) - AMBER

If the indicator remains amber after starting, or illuminates whilst driving, a fault with the EBA system is indicated. Drive with care and seek qualified assistance urgently.

Brake pad wear - AMBER

It illuminates when brake pad wear has reached a predetermined limit.

Electronic Brake force Distribution (EBD) - RED

A fault with the EBD system is indicated by illumination of the red brake warning indicator. If this illuminates while the vehicle is being driven, stop the vehicle gently, as soon as safety permits, check and top up brake fluid if necessary. If the lamp remains illuminated, seek qualified assistance before continuing.

Brake fluid level - RED

Low brake fluid level is indicated by illumination of the red brake warning indicator. If this illuminates while the vehicle is being driven, stop the vehicle gently, as soon as safety permits. Check and top up brake fluid if necessary. If the lamp remains illuminated, seek qualified assistance before continuing. Have the problem checked by your Land Rover Dealer/Authorised Repairer.

Anti-lock Braking System (ABS) - AMBER



Illuminates as a bulb check when the starter switch is turned to position **II**. If the indicator remains on or illuminates whilst driving, a fault with the ABS system is indicated. Drive with care, avoiding heavy brake application, and seek qualified assistance urgently.

SPEEDOMETER

Cruise control active - AMBER



Illuminates when Cruise Control is operating.

Adaptive Front lighting System (AFS) - AMBER



Flashes when a fault occurs with the Adaptive Front Lighting System.

Check engine - AMBER



Illuminates as a bulb and system check when the starter switch is turned on and extinguishes as soon as the engine is started. Illumination at any other time indicates an engine fault. If the indicator illuminates continuously while driving, the emission performance of the engine management system is impaired - seek qualified assistance.

If the indicator flashes while driving, immediately reduce engine power to avoid catalytic converter damage.

Parkbrake system - RED



Illuminates for about 3 seconds as a bulb check when the starter switch is turned to position **II**.

If the indicator flashes red, a fault with the parkbrake system is indicated, seek qualified assistance before continuing.

When parking the vehicle in this condition, ensure that the vehicle is secured stationary without reliance on the parkbrake.

Front fog lamps - GREEN



Illuminates when the front fog lamps are switched on.

Rear fog lamps - AMBER



Illuminates when the rear fog lamps are switched on.

AUDIBLE WARNINGS

The market specification will determine which of the following audible warnings are appropriate to your vehicle.

Electronic air suspension warnings

A warning chime will sound:

- Whenever the air suspension raise/lower switch is operated to raise the vehicle to off-road height, or to return it to standard ride height.
- If changes to or from off-road height are requested but not permitted.
- Whenever the speed threshold for the current ride height is reached.
- Whenever the air suspension is lowered to crawl mode.

Dynamic Response warning

A warning chime will sound:

- If a fault with the Dynamic Response system is detected. The chime will coincide with the suspension warning lamp flashing RED then turning solid after 2 minutes, with the following message in the message centre **SUSPENSION FAULT, STOP SAFELY, STOP ENGINE.** This indicates a system fault that may result in serious damage to vehicle components and reduced Dynamic Response performance. Stop the vehicle as soon as safety permits and switch off the engine. DO NOT CONTINUE DRIVING! seek qualified assistance immediately.

Dynamic Stability Control (DSC) warning

A warning chime will sound once:

- If a fault with the DSC system is detected, and the appropriate warning indicator(s) illuminates (DSC, ABS, Amber Brake Warning or HDC fault text message). The vehicle may still be driven with care, but seek qualified assistance at the earliest opportunity.

Adaptive Cruise Control (ACC) warning

A warning chime will sound:

- When the driver must intervene and take control.

Electric parkbrake

A warning chime will sound:

- If the driver selects electric parkbrake whilst the vehicle is moving.

Starter key reminder

A warning will chime continuously:

- If the key is left in the starter switch while the driver's door is open. The chime stops as soon as the door is closed or the key is removed from the starter switch.

Seat belt reminder

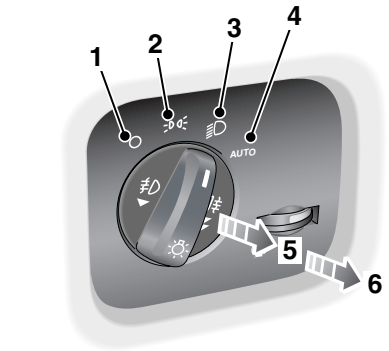
In some markets, a warning chime will sound (one second frequency):

- If the driver's seat belt has not been fastened when the starter switch is turned on. The chime operates in conjunction with the seat belt warning indicator and sounds for 6 seconds, or until the seat belt is fastened (whichever occurs first).

If the seat belt remains unfastened, the chime will sound at intervals of 15 seconds.

EXTERIOR LAMPS

Lamps master switch



LAN0403G

1. Side lamps and headlamps off.
2. Side lamps on.
3. Low beam headlamps on.
4. Automatic control lamps on.
5. Front fog lamps on.
6. Front and rear fog lamps on.

If front fog lamps are not fitted, the rear fog lamps will come on at position **5**.

Note: *Fog lamps cannot be operated if the lamps master switch is at position **4** Auto.*

Side lamps

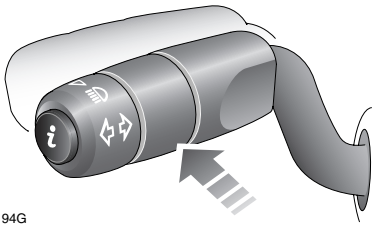
The front and rear side lamps, along with licence plate lamps, illuminate when the lamps master switch is turned to positions **2** or **3**, regardless of the position of the starter switch.

Automatic control lamps

With the lamps master switch in position **4** and starter switch in position **II**, the side lamps, low beam headlamps and licence plate lamps will illuminate automatically when the ambient light falls below a pre-defined level.

All of the lamps will go out when the ambient light rises above that level.

High beam



LAN0194G

With the lamps master switch in position **3** and starter switch in position **II**, push the left-hand steering column lever away from the steering wheel as far as it will go to select high beam, and release it.

To cancel high beam, pull the lever towards the steering wheel again and release it.

While high beam is selected, a blue indicator will be illuminated in the instrument pack.

Headlamp high beam flash

To flash the headlamps on high beam, pull the lever towards the steering wheel and release it.

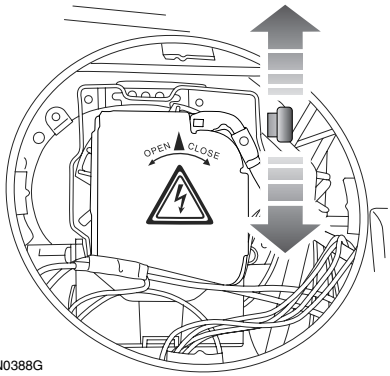
The blue indicator in the instrument pack illuminates when the headlamps are flashed.

Headlamp touring adjustment

Position of the lever illustrated will vary depending on type of headlamps and side of vehicle. It may be on either side of the headlamp bulb aperture.

When touring in a country where traffic drives on the opposite side of the road to where you normally drive, use the tourist lever mechanism within each headlamp unit to alter the beam pattern. This enables the vehicle to be driven without having to stick blanking decals onto the headlamp lens.

Xenon headlamps

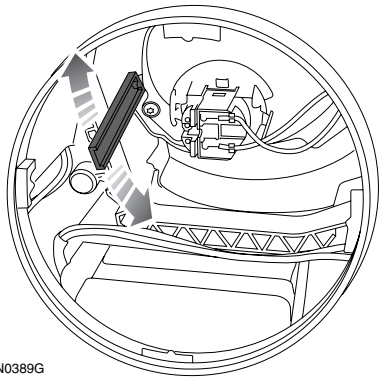


LAN0388G

Follow the process shown in **HEADLAMP UNIT, 272** to gain access to the inside of the headlamp unit. Move the lever to adjust the beam.

Lever default position - Xenon headlamps	
Right hand headlamp	Up
Left hand headlamp	Up

Halogen headlamps

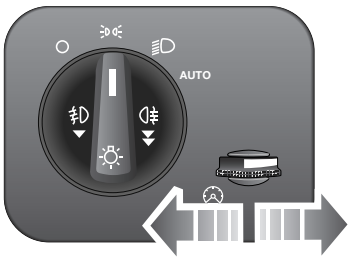


LAN0389G

Follow the process shown in **HEADLAMP UNIT, 272** to gain access to the inside of the headlamp unit. Move the lever to adjust the beam.

Lever default position - Halogen headlamps	
Right hand headlamp	Down
Left hand headlamp	Up

Dimmer control



LAN0195G

Rotate the dimmer control to vary the level of instrument pack illumination.

Headlamp courtesy delay

As a driver convenience feature the headlamps can be kept on for a short time after the vehicle is parked. Turn the starter switch off with the headlamps still switched on. The lamps master switch can be in positions **2**, or **3**. With the switch in position **4** the Headlamp delay works in automatic mode.

Remove the key from the starter switch and turn lamps master switch fully anticlockwise to the Off position. The headlamps will remain illuminated for up to 240 seconds. This automatic time delay is configurable. See **SELECTING SETTINGS OPTION, 88**.

The courtesy delay may be cancelled at any time by turning the starter switch to position **I** or **II** or the lamps master switch from position **1** to **2**.

Note: *If Automatic Control Lamps are switched on, the headlamp courtesy delay will operate automatically.*



Headlamp courtesy delay can be enabled or disabled by a Land Rover Dealer/Authorised Repairer or by the driver. See **SELECTING SETTINGS OPTION, 88**.

Cornering lamps

The cornering lamps produce an angled beam on the relevant side of the vehicle at speeds below 40 km/h (25 mph) when the headlamps are on and the turn indicator stalk is moved to indicate a turn.

Daytime running lamps

In certain markets, with the engine running and the main lighting switch turned off, the front and rear side lamps, the licence plate lamps and the headlamp low beams will illuminate. The instrument pack illumination remains off.



Unless they are required or prohibited by law, daytime running lamps can be disabled/enabled by a Land Rover Dealer/Authorised Repairer.

Note: *The following lamps operate only with the starter switch in position* ***II****.*

Stop lamps

The stop lamps will illuminate when the brake pedal is pressed and will remain on while the brake pedal is pressed.

The stop lamps also illuminate when Hill Descent Control is braking the vehicle or during Electronic Parkbrake dynamic deceleration.

Reversing lamps

Selection of reverse gear will operate the reversing lamps.

Front fog lamps

WARNING

Fog lamps should ONLY be used when visibility is severely restricted - as soon as conditions clear, switch off fog lamps to prevent dazzling of other road users.

With the lamps master switch in positions **2** or **3**, pull out the switch to position **5** to operate the front fog lamps.

An indicator will illuminate in the instrument pack.

Rear fog lamps (with front fog lamps fitted)

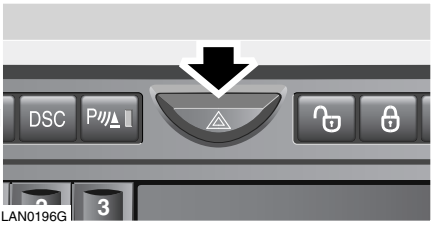
With the lamps master switch in positions **2** or **3**, pull out the switch to position **6**. An indicator will illuminate in the instrument pack.

Rear fog lamps (no front fog lamps fitted)

With the lamps master switch in position **3**, pull out the switch to position **6**. An indicator will illuminate in the instrument pack.

ALWAYS remember to switch the fog lamps off as soon as visibility permits.

HAZARD WARNING LAMPS

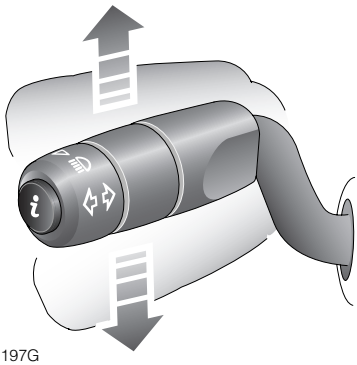


LAN0196G

Press the switch to operate the hazard warning lamps. All of the direction indicator lamps (including the instrument pack warning indicators and those fitted to a trailer) will flash together.

Use ONLY in an emergency to warn other road users when your stationary vehicle is causing an obstruction, or is in a hazardous situation. Remember to switch off before moving away.

DIRECTION INDICATORS


LAN0197G

With the starter switch in position **II**, the left-hand steering column lever will operate the direction indicators (a GREEN warning indicator on the instrument pack will flash in time with the direction indicators).

Note: *Bulb failure of any front or rear direction indicator lamp (not side repeaters) will cause the instrument pack warning indicator to flash rapidly and the audible indicator signal to double in speed.*

Lane change flash

Move the lever partially up or down against spring pressure then release, to indicate a lane change. The relevant direction indicator flashes three times.

If the lever is held against spring pressure, the direction indicators will continue to operate until the lever is released.

Lane change flash can be disabled/enabled by a Land Rover Dealer/Authorised Repairer.

OPERATING

The wipers and washers will only operate when the starter switch is turned to position **I** or **II**.

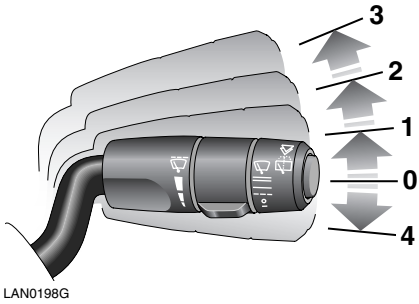
Note:

- *DO NOT operate the wipers on a dry screen.*
- *In freezing or very hot conditions, ensure that the blades are not stuck to the glass.*
- *In winter, remove any snow or ice from around the arms and blades, including the wiped area of the windscreen and the heater air intakes.*

Note: *If the wiper blades have stuck to the glass, an electronic cut-out may temporarily prevent the wiper motor from operating. If this is the case, switch the wipers off and turn the starter switch off. Clear the obstruction and try again.*

Semi-automatic operation of the wiper blades is possible by setting the wiper lever to the rain sensor variable delay mode. In this mode, the wipers operate only when the rain sensor detects moisture on the windscreen and remain inactive whilst the screen is dry.

WINDSCREEN WIPERS



Rain sensor/Intermittent variable delay

Push the lever up to position **1**.

Normal speed wipe

Push the lever up to position **2**.

Fast speed wipe

Push the lever up to position **3**.

Single wipe

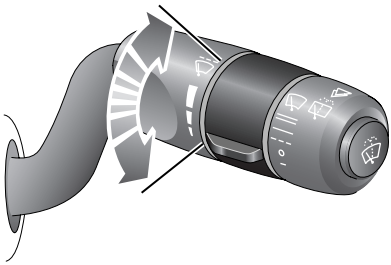
Pull the lever down to position **4** and release immediately.

Note: *With the lever held down, the wipers will operate at fast speed until the lever is released.*

Auto park

If the starter switch is turned to the Off position while the wipers are operating, they will continue to the Park position and stop.

Intermittent variable delay



LAN0199G

With the lever in position **1**, rotate the delay switch clockwise to increase (a wipe will occur immediately), and anticlockwise to decrease, the frequency of the intermittent wipe.

Speed-dependent mode

When speed dependent mode is configured, the operation of all wiper modes will be affected by vehicle speed.

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

This setting can be configured by a Land Rover Dealer/Authorised Repairer.

Speed-dependent-intermittent mode

The frequency of intermittent variable delay is also adjusted automatically according to road speed on those vehicles not equipped with a rain sensor.

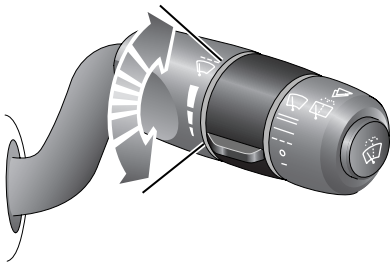
The intermittent period can be adjusted for each of the speed-dependent modes by rotating the delay switch either clockwise or anticlockwise.

This setting can be configured by a Land Rover Dealer/Authorised Repairer.

Rain sensor variable delay

WARNING

BEFORE entering an automatic car wash, ensure that the wipers are switched off- otherwise, they could operate during the car wash programme and be damaged.



LAN0199G

The rain sensor is fitted to the inside of the windscreen, immediately ahead of the rear view mirror. The sensor is able to detect varying amounts of dirt or water on the outside of the screen.

With the wiper switch in position **1**, the variable delay automatically adjusts the frequency of the wiper operation according to the information supplied by the rain sensor.

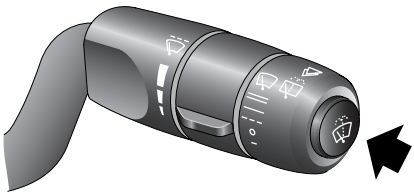
You can increase (a wipe will occur immediately) or decrease the sensitivity of the rain sensor, and therefore the frequency of wiper operation, by rotating the delay switch- either clockwise or anticlockwise.

If the sensor detects constant rain, the wipers will operate continuously.

FRONT WINDSCREEN WASHER

WARNING

If you operate your vehicle in temperatures below 5°C (40°F), use washer fluid with anti-freeze protection. In cold weather, failure to use washer fluid with anti-freeze protection, could result in impaired windscreen vision and increase the risk of a vehicle crash.



LAN0200G

Push the wiper stalk button to operate the front screen washer. If the button is pressed for more than 0.5 seconds, the washer will continue to operate while the button is pressed. When the button is released, the wipers will complete the current stroke and then complete two further strokes before parking automatically.

If the button is pressed for less than 0.5 seconds, only the washer will operate.

Note: *National or local regulations may restrict the use of volatile organic compounds (VOCs), which are commonly used as anti-freeze agents in washer fluid. A washer fluid with limited VOC content should be used only if it provides adequate freeze resistance for all regions and climates in which the vehicle will be operated.*

HEADLAMP POWER WASH

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

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

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

The headlamp wash will operate every third operation of the screen washer in all Special Programs. See **Terrain Response, 191**.

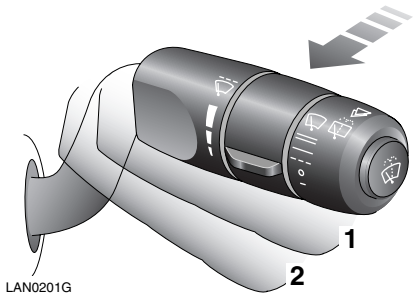
Note: *In the screen washer reservoir, if the fluid level sensor detects a low level, the headlamp power wash is inhibited.*

Heated washer jets

If the ambient temperature falls to a point where icing of the washer jets could occur, power is applied to heat the jets provided that the starter switch is in position **II**.

An approved screenwash is necessary to prevent freezing in very cold weather. See **LUBRICANTS AND FLUIDS, 286**.

REAR WINDOW WIPER AND WASHER



Wiper - intermittent operation

Pull the lever position **1**. The intermittent delay period will vary according to the delay switch setting and with the vehicle's speed, if speed-dependent-intermittent mode has been enabled. See **Speed-dependent-intermittent mode, 115**.

Wiper - continuous operation

If preferred the rear wiper operation can be configured by a Land Rover Dealer/Authorised Repairer to operate continuously.

Washer

Pull the lever to position **2** and hold it there. The wiper and washer will both operate. When the lever is released, the washer will stop and the wiper will complete a further two wipe cycles and then return to intermittent operation, provided that the continuous function has not been set.

Reverse gear input

If reverse gear is selected while the front wipers are operating, the rear wiper will operate accordingly.

If reverse gear is selected while the rain sensor is operational and the front windscreen wipers are in use, the rear wiper will operate accordingly.

Tailgate open disable

If the rear wiper is switched on or already running and the tailgate is opened, the wiper will:

- Stop immediately.
- Not start to move if it is already stationary.

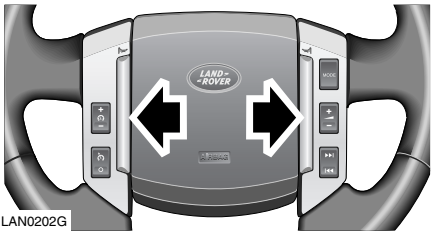
If the tailgate is subsequently closed, the wiper will resume its normal operation after a delay of three seconds.

If the tailgate is open and the vehicle's speed is above 3 km/h (2 mph), the wiper will operate as if the tailgate were closed.

Auto park

If the starter switch is turned to the **Off** position while the wiper is operating, it will continue to the Park position and stop.

HORN



To operate, press either of the horn switches.

ELECTRIC WINDOWS

WARNING

Closing of an electrically operated window on fingers, hands or any vulnerable part of the body, can result in serious injury. Always observe the following precautions:

ISOLATE the rear window switches when carrying children.

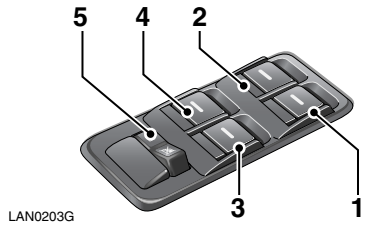
ENSURE that children are kept clear whilst raising or lowering windows.

ENSURE that all adult passengers are familiar with the controls and the potential dangers of electrically operated windows.

DO NOT allow passengers to extend any part of their bodies through a window aperture while the vehicle is moving - injury from flying debris, branches of trees or other obstructions could occur.

It is recommended that the starter key be removed when leaving the vehicle.

Switch operation



1. Right-hand front window.
2. Left-hand front window.
3. Right-hand rear window.
4. Left-hand rear window.
5. Isolating switch for rear door window switches.

Operating the windows

The electric windows can be operated when the starter switch is at position **I** or **II** and for up to 40 seconds after the starter switch is turned to position **0** (provided a front door is not opened).

If a front door is opened, the windows become inoperable.

To lower a window, press and hold the front of the switch until the desired position is reached.

To raise a window, lift and hold the front of the switch until the desired position is reached.

One touch operation (front door's only)

Press/lift the switch briefly to open or close the window in one movement. Window movement can be stopped at any time by pressing the switch again.

Resetting one touch operation

Disconnecting the power when the window is moving will cause memory loss. To reset the memory, drive the window to the top and keep the switch pressed for one second.

Rear window isolation switch



LAN0205G

Press the right-hand side of the switch to isolate the window switches in the rear doors; press the left-hand side to restore independent control.

Anti-trap mechanism (front door's only)

If the anti-trap sensor detects an obstruction during window closing, the closing operation is interrupted and the window backs off.

This is a safety feature designed to prevent inadvertent closing of a window on vulnerable parts of the body or other obstructions. Remove any obstruction and then close the window.

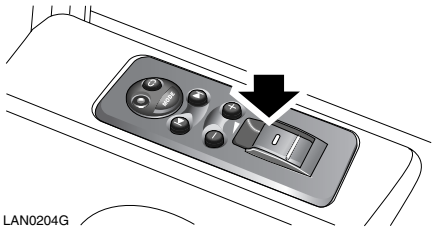
If, for any reason, it is required to override the anti-trap mechanism the following procedure should be used:

After the initial attempt to close the window, attempt it twice more with less than 10 seconds between switch presses.

On the next (fourth attempt) the window will move up a short distance with increased force to override the blockage.

If this fails to move the blockage the anti-trap feature will be lost and must be reset. See **Resetting one touch operation, 120**.

Rear window operation



LAN0204G

The rear windows can also be operated from the switches on the rear passenger doors. The rear door window switches will not operate if the isolating switch in the driver's door has been activated. See **Rear window isolation switch, 120**.

SUNROOF OPERATION

WARNING

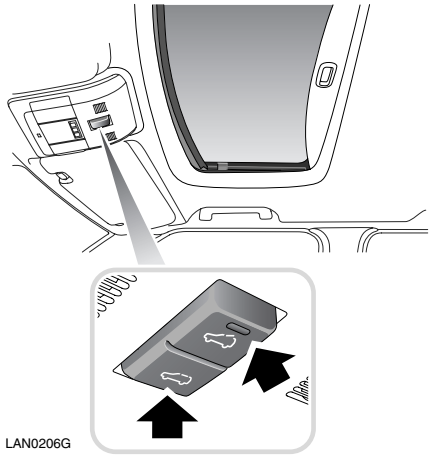
Accidental closure of a sunroof on fingers, hands or any vulnerable part of the body, can result in serious personal injury. Always observe the following precautions:

ENSURE that children are kept clear and that the sunroof is not obstructed when opening or closing.

ENSURE that all adult passengers are familiar with the controls and the potential dangers of operating an electrically operated sunroof.

DO NOT allow passengers to extend any part of their bodies through the sunroof aperture while the vehicle is moving - injury from flying debris, branches of trees or other obstructions could occur.

Caution: ALWAYS close the sunroof when the vehicle is unattended.



LAN0206G

The electric sunroof can be operated when the starter switch is at positions **I** or **II** and for 40 seconds after position **0** has been selected, provided that neither front door has been opened.

- **To tilt the sunroof:** With the sunroof closed, press the front of the switch. The roof will move towards its fully tilted position.To close the sunroof from the tilt position, press and hold the rear of the switch.
- **To open the sunroof:** With the sunroof in the closed position, press the rear of the switch momentarily. If the starter key is not in position **II**, the switch will have to be held pressed.
- **To close the sunroof:** With the sunroof open, press the front of the switch. If the starter key is not in position **II**, the switch will have to be held pressed.

Note: *At any time while the sunroof is moving, a further press of the switch will stop the movement.*

Anti-trap mechanism

WARNING

It is possible to override the anti-trap mechanism by pressing and holding the front of the switch whilst the sunroof is closing.

Extreme care must be taken to ensure that none of the vehicles occupants have any part of their body in a position where it can be trapped by the roof.

The override allows the sunroof to be closed when movement is restricted by ice or dirt.

If the sunroof encounters resistance while travelling anywhere between the fully open and the closed position, the closing operation is interrupted and the sunroof opens slightly. This is a safety feature designed to prevent inadvertent closing of the sunroof on vulnerable parts of the body or other obstructions. Remove any obstruction and then close the sunroof.

This anti-trap feature does not apply while the sunroof is closing from the tilted position.

Operation after power supply interruption

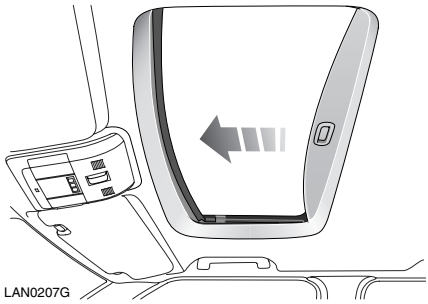
Under certain unusual circumstances, the sunroof may lose its calibration which will render it inoperable. If this happens, it needs to be recalibrated as follows:

- WIth the power supply reconnected, turn the starter switch to position **II**.
- Depress the front of the switch for 20 seconds. The sunroof will start to move. Continue to hold the switch until the sunroof completes one full open and closing cycle. When the sunroof stops moving, release the switch.

The sunroof can then be operated as normal.

Note: *Calibration will not function if the vehicle battery voltage is low.*

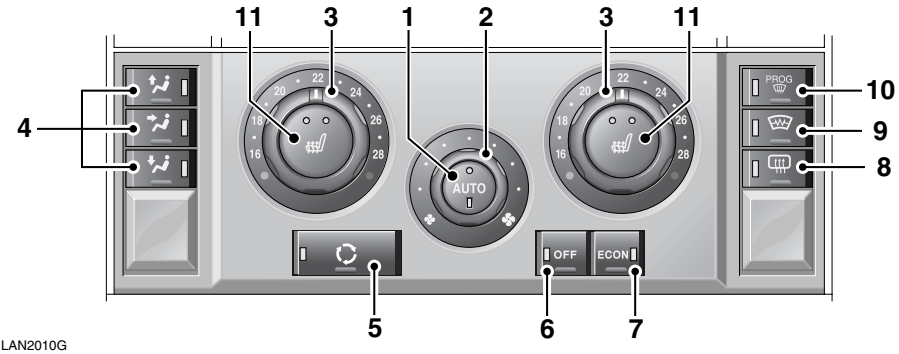
Sunroof blind



Pull the sunroof blind, across the sunroof aperture to open and close.

Note: *The sunroof blind can be opened and closed manually, but will retract automatically when the sunroof is opened, and will open slightly if the roof is tilted.*

TEMPERATURE CONTROLS



LAN2010G

The air conditioning system features automatic temperature and air distribution control and is programmed to maintain optimum levels of comfort within the vehicle in all but the most severe climatic conditions.

The configuration of controls may vary depending on the specification of your system. The variants are shown as insets to the main illustration.

The system may be fitted with the options of seat heating and front screen heating.

Note: *The indicators in the switches illuminate when that feature is operational.*

OPERATION OF CONTROLS

1. Auto mode

Allowing the system to function automatically is by far the simplest method of operation for the owner and is preferable in most operating conditions.

- Press AUTO (1) for fully automatic operation.
- Rotate the temperature controls (3) to select the required temperature.
- Let the automatic temperature control system do the rest.

In Auto mode, air conditioning, air distribution, blower speeds and air recirculation are adjusted automatically to achieve, and then maintain, a thermal environment consistent with prevailing conditions.

The air distribution and blower controls can be operated independently to override the automatic setting.

In this case, the appropriate indicator in the AUTO switch extinguishes. The circular indicator represents the blower, the rectangular indicator represents air distribution.

Press AUTO again to re-establish automatic operation.

Note: *If the air distribution and blower controls are operated independently, the system may not be able to achieve or maintain the required temperature settings.*

2. Blower control

Rotate the blower control (2) to adjust airflow through the vents.

3. Temperature controls

Rotate the controls (3) to set the required temperature for the corresponding side of the passenger compartment.

Temperatures within the range 16°C (60°F) to 28°C (83°F) can be set. The blue dot gives maximum cooling and the red dot maximum heating (depending on prevailing conditions).

Note: *Because of the mixing of air within the vehicle, the system will not achieve a temperature differential from left to right of more than 4°C (7°F).*

To obtain maximum air conditioning, rotate the temperature controls fully anticlockwise.

This mode automatically activates the air conditioning and air recirculation, and sets the blower speed at maximum and the air distribution to the face-level vents.

Note: *Rotating the temperature controls fully clockwise provides maximum heating to the foot/screen vents.*

When in stationary traffic, select **P** or **N** to maximise air conditioning efficiency.

4. Air distribution control

Press to select the desired distribution setting:



Windscreen and side window vents



Face level vents



Foot level vents

More than one setting can be selected to achieve the desired distribution.

5. Air recirculation

Air recirculation prohibits the entry of air from outside the vehicle, recirculating the air inside the vehicle instead. This is useful to prevent the entry of traffic fumes.

Air recirculation also significantly influences the dehumidifying and cooling performance of the air-conditioning system.

Note: *Prolonged recirculation at low ambient temperatures may cause the windows to mist.*



Press the button (5) once to activate air recirculation (switch indicator illuminates). Press the button a second time to deselect recirculation and return to fresh air intake (switch indicator extinguishes).

With recirculation deselected, the ventilation system may automatically re-activate recirculation, if necessary, to enable optimum air conditioning performance. When this occurs, the switch indicator will not illuminate.

6. Off



Press to switch the system off; the indicator in the switch will illuminate to show this condition. Pressing the button again returns the system to its previous mode.

7. Economy mode



With the engine running, press the button (7) to put the air conditioning system into Economy mode. This turns off the air conditioning compressor which reduces the power consumed by the system and system performance. Prolonged use may cause the windows to mist.

8. Heated rear screen

WARNING

DO NOT stick labels over the heating elements on the rear screen, and DO NOT scrape or use abrasive materials to clean the inside of the rear screen.



Press to operate.

Note: *Heated front and rear screen functions are only available while engine is running.*

9. Heated front screen



Press to operate. If the vehicle is not fitted with a heated front screen, this button will be blank.

10. Defrost mode



If the windscreen is misting or covered in ice, press button (10) to activate the automatic defrost programme; the system will immediately direct its output to achieve maximum screen clearing by:

- setting the blower speed to an appropriate level.
- distributing air flow to the screen only.
- deactivating air recirculation (in certain circumstances).

In addition, the rear and front screen heaters will be switched on (or their timed operating cycle will recommence if they are already switched on).

Press the button a second time (or select AUTO or any air distribution control) to leave the Defrost mode. Heated screens will remain on until their time-out period has expired.

11. Front seat heaters



Press the left or right button once to operate the relevant seat heater at a high level, press twice to heat the seat at a lower level. For further information concerning the operation of both front and rear seat heaters, please refer to **SEAT HEATERS, 126**.

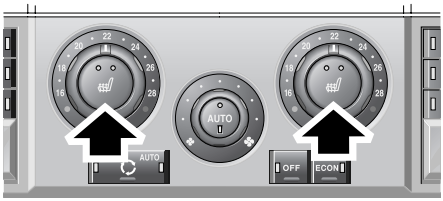
Note: *If the vehicle is not fitted with front seat heaters, these buttons will be blank.*

General notes

- For optimum operating efficiency, ensure all the air vents (including those in the rear of the vehicle) are open.
- For the automatic temperature control system to function efficiently, all windows (and the sunroof) should be closed, and the air intake vents free from ice, snow, leaves or other debris.
- In very humid conditions, slight screen misting may be experienced when the air conditioning system is turned on. This is a natural occurrence on most automotive air conditioning systems. It is not a fault and misting will clear after a few seconds once the air conditioning system is operating.
- The air conditioning compressor will not function unless the engine is running.
- Surplus water produced by the dehumidifying process is expelled from the system via drain tubes beneath the vehicle. This may result in a small pool of water forming on the road when the vehicle is stationary and is not a cause for concern.

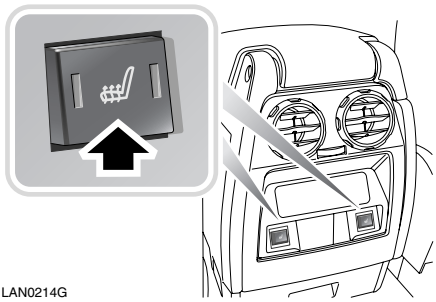
SEAT HEATERS

Caution: The seat heaters consume considerable power from the battery. For this reason, they should ONLY be operated while the engine is running.



LAN0212G

Front seat heaters



LAN0214G

Rear seat heaters

With the starter switch turned on, the seat cushion and seat back can be heated at two different levels.

- Press once to operate at a high level (both indicators illuminate).

  After a period based on cabin temperature, the high level will end and one lamp will extinguish.
- Press twice to heat the seats at a lower level (right-hand indicator extinguishes).
- Press the switch a third time to turn off the heater manually (both indicators will extinguish).

The seat heaters are thermostatically controlled and will operate to maintain a factory-set temperature. The indicators in the switches will remain illuminated until the heaters are manually turned off, the high level has timed out, or the engine is turned off.

AUXILIARY FUEL-BURNING HEATER

WARNING

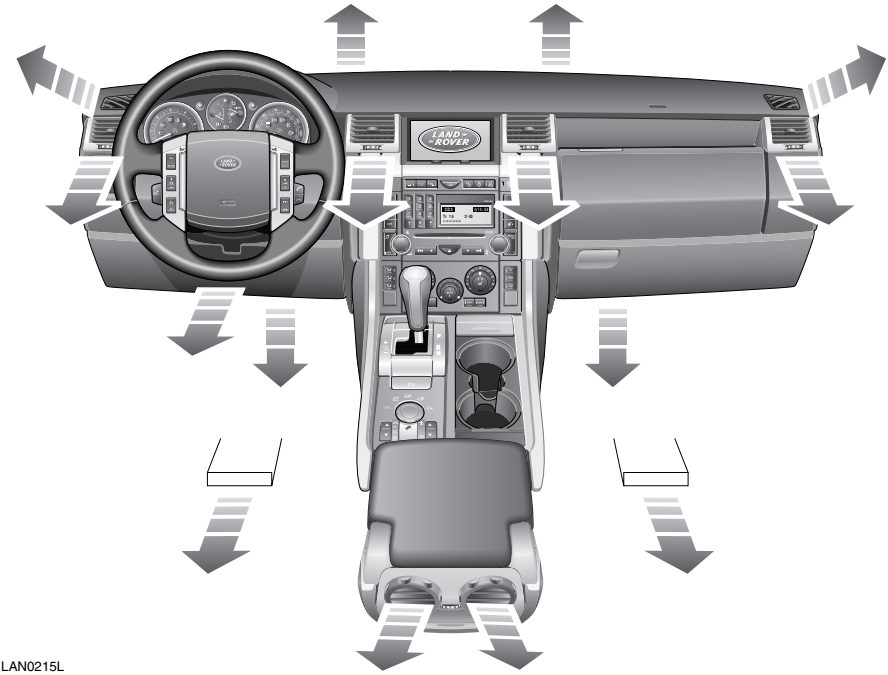
Turn the starter switch off, to ensure that the fuel-burning heater is switched off when refuelling the vehicle.

If the fuel-burning heater has been used recently, take care not to touch the unit's exhaust when performing any checks/servicing under the bonnet.

When the engine is started in very cold weather, the auxiliary fuel-burning heater is automatically switched on to provide extra heat to help warm up the engine.

During this period, exhaust fumes from the heater may be seen coming from under the bonnet. This is normal and no cause for concern.

VENTILATION



LAN0215L

The ventilation system provides fresh, conditioned and/or heated air to the interior of the vehicle from the air intake grille in front of the windscreen.

Note: *Always keep the air intake grille clear of obstructions such as leaves, snow or ice.*

Air outlets are provided to the windscreen, face, lap (driver only) and feet - the location of these vents is shown in the illustration above. The temperature of the air supplied to the vents is controlled by the heater.

Particulate air filter

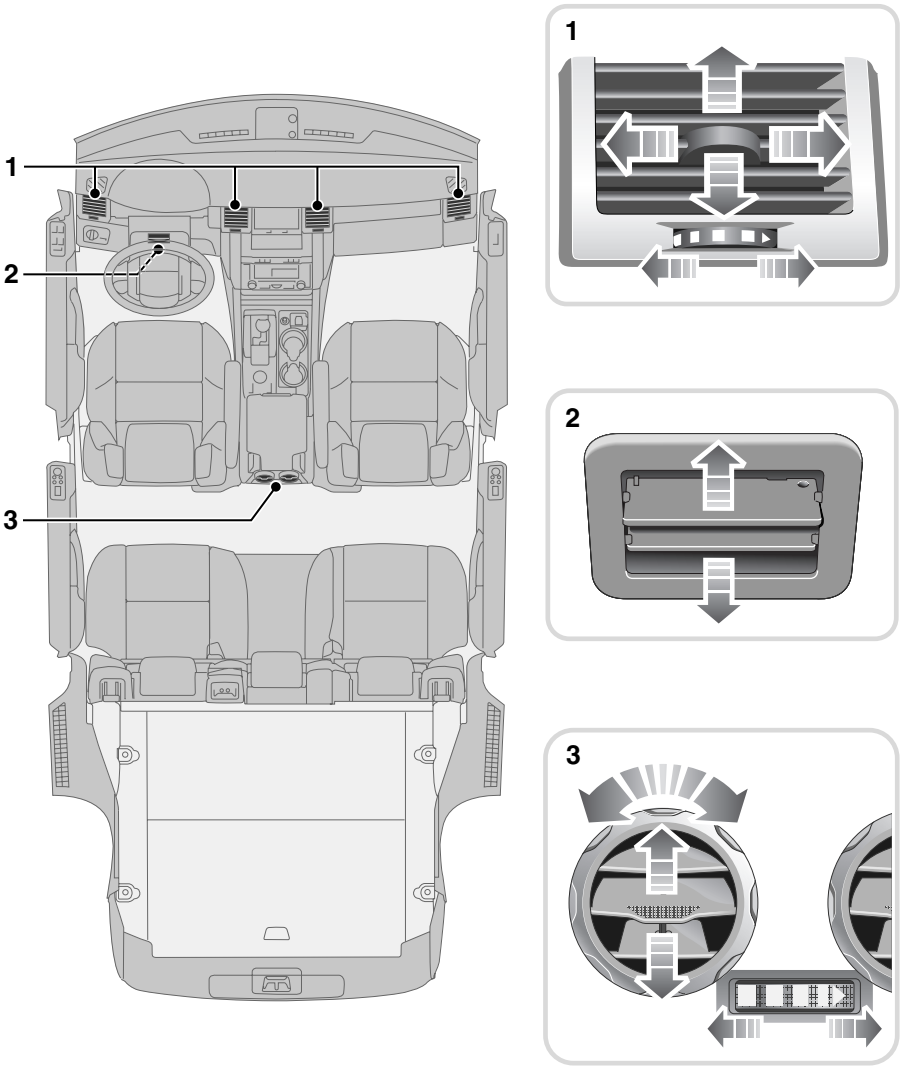
The ventilation system is fitted with a particulate air filter to remove most potentially harmful particles such as pollen, industrial fall-out and road dust from the air entering the vehicle's interior.

Combined filter

Vehicles fitted with automatic temperature control have a combined carbon and particulate air filter.

The carbon layer reduces the level of odours coming through the heater system from outside.

AIR VENTS



LAN0217

Air temperature from all vents is controlled by the temperature settings of the heater.

1. Face level vents

Direct the air flow by moving the control in the centre of the louvres. Rotate the thumbwheel towards the right to fully open, or the left to fully close the vents.

To ensure best ventilation and minimum noise, the vents should be fully open when the air distribution control is set to face level.

2. Driver's lap vent

Airflow can be directed to the driver's lap via an outlet located below the steering wheel. Control the airflow by adjusting the louvres.

3. Centre console rear vent controls

Move the louvres to adjust the direction and volume of airflow. Rotate the bezel to direct the air flow.

Note: *The temperature cannot be set by the rear occupants.*

Interior Lamps

LAMP TYPES

The vehicle's interior lighting falls into two categories:

- Courtesy lighting consists of approach lamps, footwell lamps, puddle lamps, starter switch glow ring and loadspace lamp. They enable safe entry into, or exit from the vehicle in low light conditions without the need to switch on individual lamps.
- Demand lighting consists of interior lamps, map lamps, glovebox and vanity mirror lamps. They offer lighting at the touch of a switch, usually part of the lamp fitting.

Courtesy lighting

Front footwell lamps

These illuminate the front footwell areas of the vehicle.

Starter switch glow ring

This surrounds and illuminates the starter key slot.

Loadspace lamp

This illuminates the rear loadspace area during entry to and exit from the vehicle, also when the tailgate is opened.

Automatic activation

All of the courtesy lighting comes on when:

- The position of the starter switch is changed to **0**, from **I** or **II**.
- Any door, including the tailgate is ajar.
- The vehicle receives an Unlock signal.

The courtesy lamp feature automatically turns off these lamps if:

- 60 seconds (customer adjustable) have elapsed since the courtesy lamps were activated.
- 60 seconds (customer adjustable) have elapsed since the last door was closed.
- the starter switch is switched to **II** with all doors closed.
- the last door is closed after the car is externally locked.

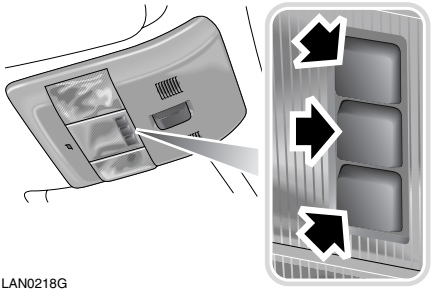
A battery-saving feature turns off all interior lamps 15 minutes after the starter switch has been turned from **II** or **I** to **0**. This timing feature will be restarted if any of the automatic switch-on criteria occur.

Collision illumination

In the event of a collision occurring at a speed of less than 5 km/h (3 mph), all of the courtesy lamps (except approach lamps) will be turned on.

Interior Lamps

Front Interior lamps



LAN0218G

The front interior lamps are grouped together centrally above the front windscreen.

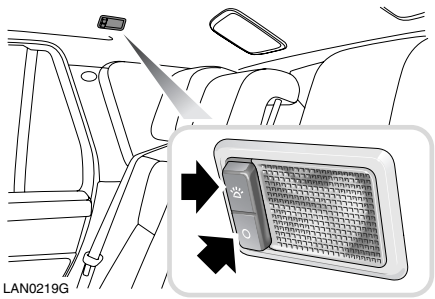
Any of the interior lamps can be switched on or off by pressing the switch adjacent to the lamp required.

It is possible to de-activate the courtesy lamps automatic mode by pressing the centre switch. The message **INTERIOR LIGHTS OFF** will flash in the message centre.

To switch the lamps off without disabling automatic mode briefly press the centre switch.

To enable automatic mode press the front centre switch for more than three seconds. The message **INTERIOR LIGHTS AUTOMATIC** will flash in the message centre.

Rear interior lamps



LAN0219G

Map lamp operation

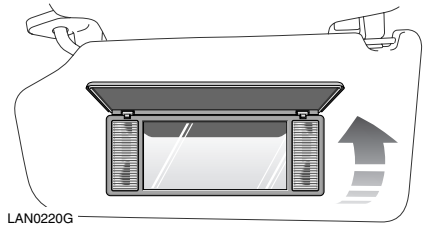
Press the required map lamp switch to turn on and off.

Glovebox lamp

Illuminates automatically (with headlamps on) whenever the glovebox is opened and extinguishes when the glovebox is closed.

Vanity mirror lamps

The vanity mirror lamps are turned on when the corresponding vanity mirror cover is opened and turned off when it is closed.



LAN0220G

Pivot the sun visor downward and raise the cover on the vanity mirror, to illuminate the mirror. Close the cover to extinguish the lamps.

Note: *Map lamps, glovebox lamps and vanity mirror lamps will extinguish automatically after 15 minutes to prevent battery drain provided that the starter switch is in position* ***0****.*

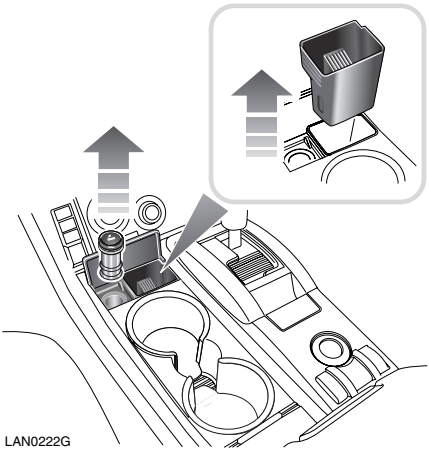
Low-level night-time illumination

With the main lighting switch turned to side lamps or headlamps, LEDs in the front interior lamps provide very low level illumination. The level of illumination can be adjusted using the instrument pack illumination dimmer switch. See **Dimmer control, 111**.

Low level lighting provides very limited illumination for the interior of the vehicle, whilst the vehicle is being driven, without affecting the driver's night vision.

SMOKERS' EQUIPMENT

Lighter



With the starter switch turned on, press the lighter in to heat up. When it has reached the correct temperature it will partially eject and can then be withdrawn for use.

- ONLY hold the lighter by the handle.

After use, push the lighter back in to the first position.

Ashtrays

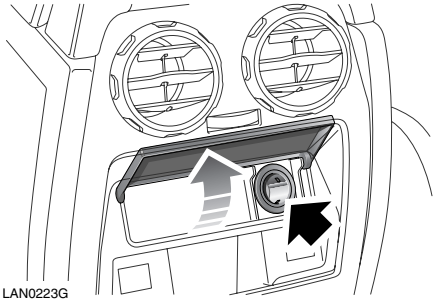
WARNING

DO NOT use the ashtrays for disposing of waste paper or other combustible items.

To remove the ashtray, open fully, then pull the ashtray upwards.

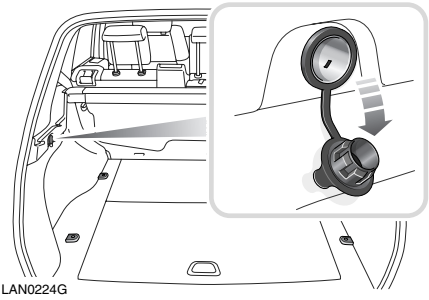
AUXILIARY POWER SOCKETS

Rear auxiliary power socket



A power socket is located on the rear face of the centre console.

Loadspace auxiliary power socket



Another power socket is fitted in the left-hand side trim in the loadspace area.

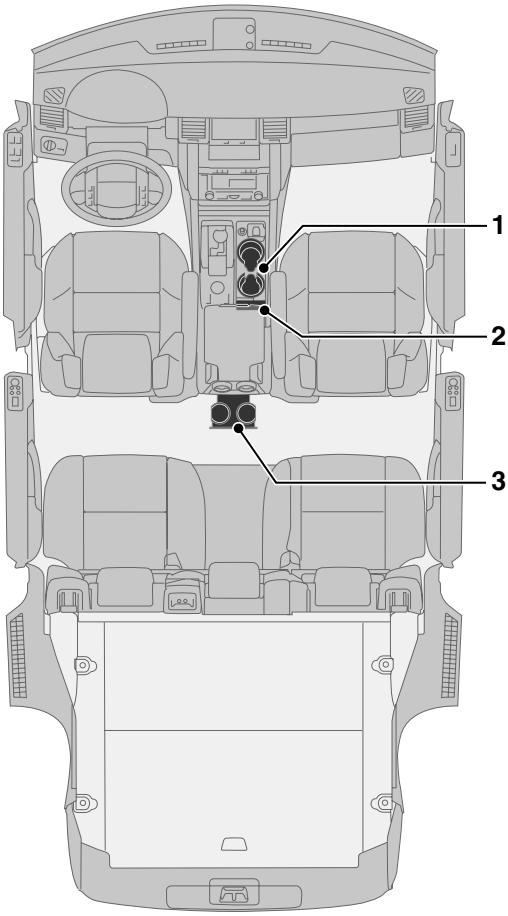
Using a power socket

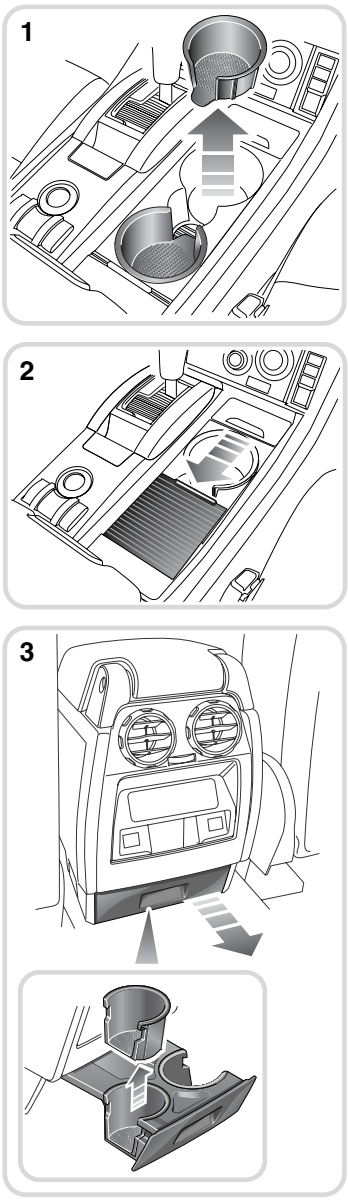
Caution: NEVER plug non-approved accessories into a power socket - damage to the vehicle's electrical systems could occur.

Always run the engine during prolonged use of electrical accessories, otherwise the battery may become discharged.

The power sockets can be used to power Land Rover approved accessories that use a maximum of 180 Watts.

CUP HOLDERS





LAN0225G

WARNING

The driver should not drink and should not use the cup holder while driving.

If the cup holder is retractable, it should be kept closed when not in use.

Do not carry open-top drink containers in the cup holders while the vehicle is in motion; a spilled hot drink could cause personal injury. Spilled drinks can also damage upholstery, carpeting and electrical components.

Use only for soft containers. DO NOT use to hold cups made of glass, china or hard plastic, as these may cause injury in the event of an accident or emergency manoeuvre. Unopened, sealed containers (drinks cans, for example) are hard objects and may also cause injury.

1 and 2. Front seat cup holders

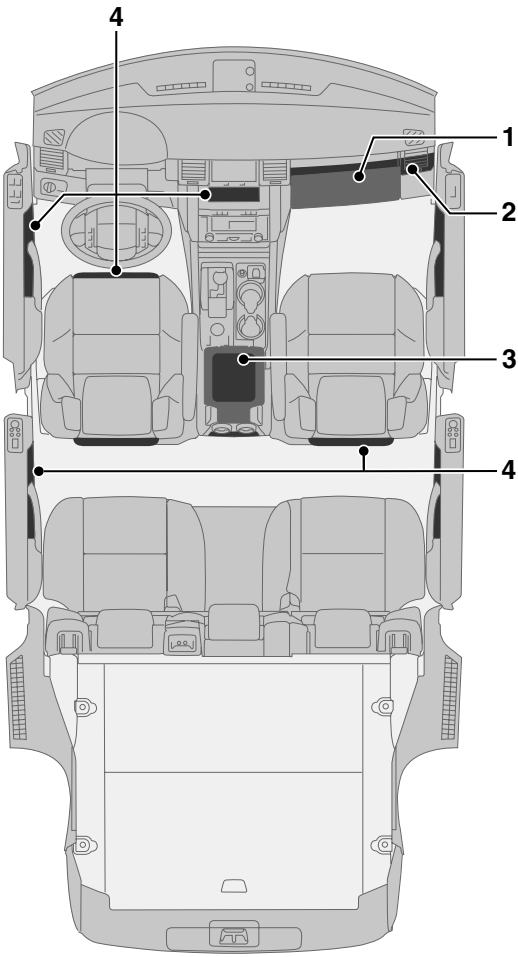
The inner core of the front passenger's cup holder can be lifted out for cleaning or to make a holder for a larger drinks container.

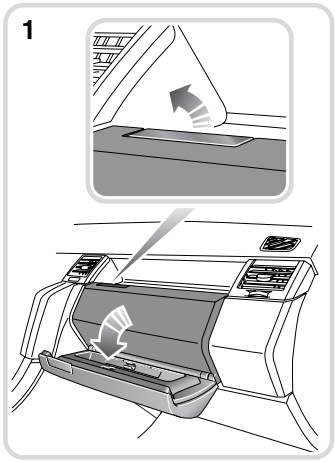
3. Rear seats cup holders

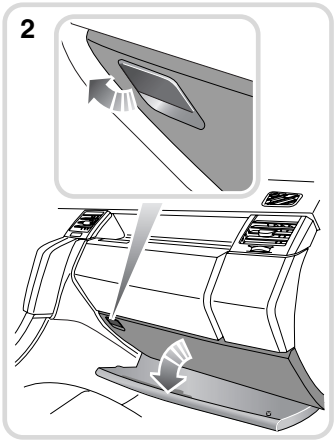
The cup holders for the occupants of the rear seats are in the centre console. Pull out the tray to gain access to the cup holders. Press in again to close.

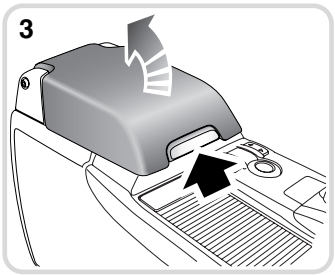
The inner cores of the cup holders can be lifted out for cleaning or to make a holder for a larger drinks container.

STORAGE COMPARTMENTS









LAN0226G

1 and 2. GLOVEBOX

Lift the release catch to open the upper glovebox. The lid will naturally be returned by a spring to its closed position. It should be pushed fully closed.

Pull the release catch to open the lower glovebox. Close the lid by pushing it until it clicks.

CD storage rack

If the optional cool box has been specified a CD storage rack is available for the glovebox.

The rack can be removed by pressing down the lock tab, and pulling the rack out of the glovebox.

3. CUBBY BOX

Lift the catch at the front of the cubby box lid to access the main cubby box.

Card holder

On the front inside face of the cubby box is a feature to hold a credit/toll card.

CD storage

A rubber mat in the bottom of the cubby box is designed to hold CD cases and is removable for cleaning.

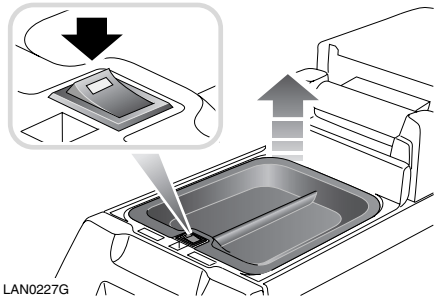
3. COOL BOX

Switch on/off using the switch on the inside front lip of the cool box. This switch has a built-in indicator which will illuminate to show that the cool box is operating. There is a short delay (1-2 seconds) between pressing the switch, and illumination of the indicator.

If the indicator does not illuminate when the cool box is switched on, or it goes out while the cool box is operating, battery voltage is low and the cool box has switched off. This will only happen when the engine is not running.

If the engine is started, the indicator will illuminate and the cool box will operate.

To protect the vehicle's battery, the cool box should be switched off when not needed.



The tray on top of the cool box should always be in place to ensure maximum cooling performance. This tray can be inverted to allow the storage of taller bottles while still maintaining the sealing.

The tray can be clipped onto the inside of the main lid when not required.

The cool box is most effective when filled with cold or pre-chilled items.

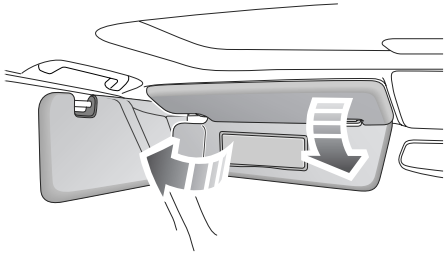
The cool box must be cleaned regularly to remove any condensation or contamination that could lead to odours.

Note: *The cool box will continue to operate for a short period after the starter switch is turned to position* ***0****.*

4. ADDITIONAL STORAGE

Further storage areas as indicated.

SUN VISOR



H6136L

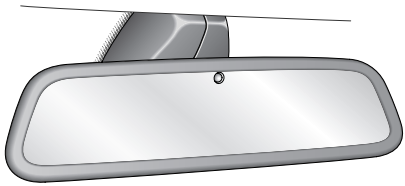
Pivot the sun visor downward to reduce sun glare through the front windscreen. If required, the visor can then be pivoted towards the side window to reduce sun glare from that side of the vehicle.

Vanity mirror

Lifting the cover of the vanity mirror switches on the lamp; closing the cover switches off the lamp.

REAR VIEW MIRRORS

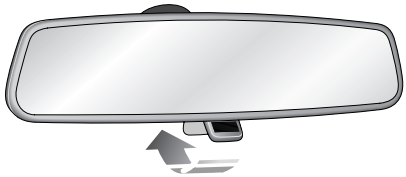
Automatic dipping mirror



LAN0231G

A light sensor detects excessive light and automatically dips the mirror, to reduce glare from the headlamps of following vehicles in dark or low light conditions.

Manual rear view mirror



LAN0230G

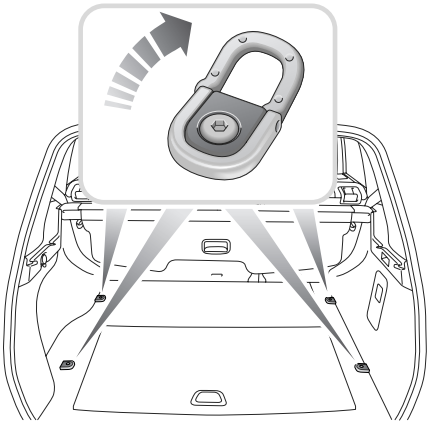
Adjust the mirror manually to suit.

Moving the lever at the bottom of the mirror forwards or backwards changes the mirror's position to and from dimmed.

LUGGAGE ANCHOR POINTS

WARNING

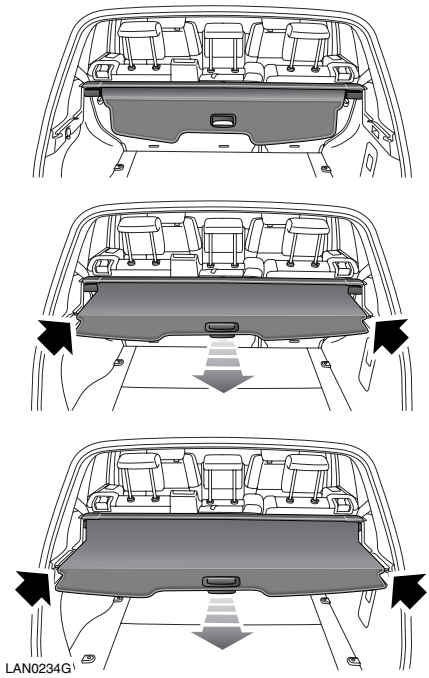
DO NOT carry unsecured equipment, tools or luggage, which could move and cause personal injury in the event of an accident or emergency manoeuvre either on or off-road.



LAN0232G

Four fixing points are provided in the rear loadspace floor, to assist in safely securing large items of luggage. Land Rover provide a range of approved luggage retention accessories.

LOADSPACE COVER



The loadspace cover is a roller-blind type of cover which can be extended to cover the rear loadspace.

To operate the loadspace cover

Caution: When retracting the cover ensure that nothing is left on top. If any items a left on top, including paper or fabrics, they may be drawn into the mechanism and cause it to jam.

Caution: If the cover is damaged in any way it should not be used as the damaged area may prevent the cover from operating correctly.

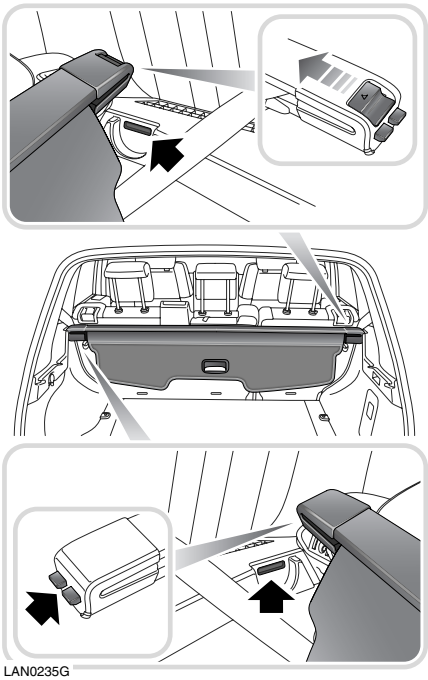
1. Pull the rigid portion of the blind to unroll the cover.
2. Engage the end pieces into the recessed features moulded into the loadspace sides.

Loadspace Cover

To remove the deployed loadspace cover

WARNING

When fitting the loadspace cover position ensure that the location pegs on the left hand side are fully engaged and the release button on the right hand side has returned fully home to ensure engagement. Failure to do so may allow the cartridge to move when the vehicle is in motion.


LAN0235G

1. Disengage the ends from the recess and fully retract the cover into the cassette unit.
2. Push the release button on the right hand side of the cassette housing and lift to release the right hand side of the cassette from the loadspace trim.
3. Manoeuvre the complete loadspace cover to the right hand side to release the left hand side location pegs and extract from the vehicle.
4. Installation of the loadspace cover is the reverse of the removal procedure above.

IN-CAR TELEPHONES

WARNING

Using any hand-held appliance while driving can be dangerous. Always stop the vehicle before making a call and ensure that the telephone is switched off while you are driving.

For your safety, always note the following precautions before fitting an in-car telephone, or any mobile communication equipment.

- Only use an installation kit incorporating an aerial external to the vehicle.
- Ensure that the installation is carried out by a competent installer and that the installer is aware of the Airbag System.

VOICE RECOGNITION

Voice control provides a safe and convenient way of operating certain vehicle systems without the need to operate the controls manually. This enables you to concentrate fully on driving the vehicle, and removes the need to divert your attention from the road ahead in order to change settings, or receive feedback from the systems.

A number of voice commands are available, and with a little experience you will find them easy and convenient to use. Whenever you issue one of the defined commands with the system active, voice control converts your command into a control signal for the appropriate system. Your inputs take the form of dialogues or commands. You are guided through these dialogues by announcements or questions.

Defined voice commands

The voice control system understands predefined commands which need to be quoted word for word.

An audio feedback of voice commands is available. To activate the feedback, pull the voice control paddle briefly and give one of the following commands:

General commands

- **Voice help** - To list all commands.
- **Notepad help** - To list Notepad commands.

Audio commands

- **Radio help** - To list Radio commands.
- **CD help** - To list CD commands.

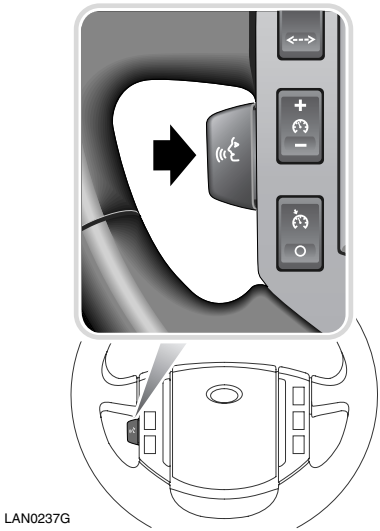
  See **Audio Voice Recognition, 337**.

Navigation and Telephone commands

- **Phone help** - To list telephone commands.
- **Navigation help** - To list Navigation commands.

  Please refer to the **Navigation, TV and Telephone Systems** Handbook.

Activating the system



LAN0237G

To activate voice control:

- Briefly pull the control paddle (your Audio will mute at this point). A brief acoustic signal will be heard, and **LISTENING** will be displayed on the main message centre to indicate that the system is now waiting for a voice command.

Note: *It is only necessary to use the steering wheel voice control paddle at the beginning of each voice session.*

Using Notepad

Notepad is a feature for recording short messages as memory aids or reminders.

You can record up to 10 notes for up to 30 seconds each in length.

Pull the voice paddle towards the steering wheel, wait for **LISTENING** to appear in the message centre, then give the Notepad command.

The voice recording will automatically be stopped if the note is longer than 30 seconds. To stop voice recording at any time, pull the voice button towards the steering wheel.

Command	System response	Action
Record note or **Notepad record**.	The system gives a beep to indicate the start of recording.	You may start your recording after the beep. To stop recording, pull and hold in the steering wheel voice paddle.
Play notepad or **Read notepad**.	Notepad audio will read out each note in turn. You can say Replay, Delete or Cancel after each beep, or remain silent to hear the next note.	Saying **Replay** will replay the previous message. Saying **Delete** will delete the previous message. Saying **Cancel** will end the Notepad session.
Clear Notepad or **Notepad delete**.	Do you want to clear the notepad?	Say **Yes** to delete all stored notes. Say **No** to cancel the command.
Notepad help.	The system will read out Notepad information and all the commonly used commands.	