High speed height

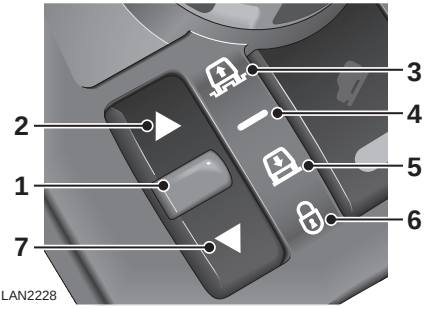
If the vehicle exceeds 160 km/h (100 mph) for longer than five seconds, the suspension ride height lowers by 20 mm (0.75 in). This action is automatic and cannot be over-ridden manually. Ride height will return to normal when vehicle speed remains below 130 km/h (80 mph) for at least 30 seconds.

Crawl mode

Crawl mode locks the vehicle at Access height and enables it to be driven at low speeds. This gives increased roof clearance, for example, in multi-storey car parks.

Crawl mode can only be selected when the vehicle speed is below 10 km/h (6 mph). When the vehicle is in this mode, Normal height will be selected automatically if the vehicle speed exceeds 40 km/h (24 mph).

ADJUSTING THE SUSPENSION



1. Raise/lower switch
2. Raising indicator
3. Off-road height indicator
4. Normal height indicator
5. Access height indicator
6. Lock indicator
7. Lowering indicator

Suspension height indicators

Indicator lamps **2** or **7** illuminate to show the direction of movement. They will extinguish when the height change is complete.

If a height change is requested but disallowed, such as attempting to raise the height of the vehicle with the engine not running, indicator lamps **2** and **7** will flash twice and a chime sounds. A message is displayed on the message centre.

A flashing indicator lamp **2** or **7** indicates that the system is in a waiting state or that it will override the driver's choice if the speed criteria are exceeded.

Access height

Press the raise/lower switch **1** in the down direction. The warning indicator and the message **ACCESS HEIGHT SELECTED** will be displayed in the message centre.

If Access height is selected while vehicle speed is above 20 km/h (12 mph), indicator lamps **5** and **7** flash while the system waits for the vehicle to slow. The Access height request is cancelled if the vehicle does not slow sufficiently within one minute.

When the vehicle slows down to 20 km/h (12 mph), indicator lamp **4** will extinguish as the system goes to the part-lowered height. Indicator **5** will be lit and indicator lamp **7** will continue to flash.

The vehicle must slow down to 8 km/h (5 mph), within one minute to prevent Access cancellation. Indicator lamps **5** and **7** will be lit. When Access height is reached, indicator lamp **7** will extinguish.

The warning indicator in the message centre will remain displayed for as long as the vehicle is at Access height.

The suspension will automatically rise from Access height to Normal height when the vehicle speed exceeds 10 km/h (6 mph).

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

Access height from off-road height

When the suspension is at off-road height, press switch **1** down, then press it again before indicator **7** goes out.

The system will return the suspension to off-road height automatically if the vehicle is driven above 10 km/h (6 mph).

Crawl mode (locked at Access height)

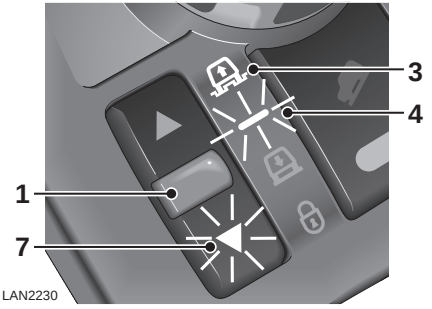


When the suspension is at Normal or Access height and the vehicle speed is below 35 km/h (22 mph), press the raise/lower switch **1** in the down direction for one second. Indicator lamps **5** and **6** will illuminate, a chime will sound and the message **SUSPENSION LOCKED AT ACCESS HEIGHT** will be displayed to confirm the selection.

Locked at Access height can be cancelled by pressing the raise/lower switch in the up direction for one second. Indicator **6** will extinguish.

Note: *When locked at Access height is cancelled, the suspension will rise to Normal height if the vehicle speed is greater than 10 km/h (6 mph).*

Automatic height change warnings



When the suspension is at Off-road height, Access or locked at Access (crawl) height, the suspension height will change automatically when vehicle speed exceeds predetermined levels.

When the suspension is at off-road height or locked at Access height, it warns the driver that the vehicle is approaching a speed threshold. A chime will sound, a message will be displayed on the message centre and the Normal height indicator **4** and either **3** or **7** will flash.

The off-road height speed warning is shown above. If the vehicle slows down, the warning will disappear.

Door open override

If a door is opened during a height change while the vehicle is at rest, the height change will be restricted.



The indicator lamp for the target height **3**, **4** or **5** will remain lit and the lifting indicator lamp **2** or the lowering indicator lamp **7** will flash.

The height change will resume if all of the doors are closed within 90 seconds.

If the doors are not closed within this time, the raising indicator **2** or the lowering indicator **7** will extinguish and the indicators showing the heights above and below the current position will be illuminated.

Selecting a new height using the raise/lower switch **1**, or driving off will reset the system.

Extended mode

If the vehicle is grounded and traction control is activated, Extended mode is activated automatically to raise the vehicle clear. The message **SUSPENSION IN EXTENDED MODE** will be displayed in the message centre.



When extended mode is activated, indicator lamp **3** flashes. A message is displayed on the message centre. Indicators **3** and **4** will flash if the suspension is between Off-road and Normal heights.

To exit extended mode, either press the raise/lower switch **1** briefly up or down or drive the vehicle at a speed greater than 5 km/h (3 mph) for 30 seconds.

Note: *Extended mode cannot be selected manually.*

Additional lift whilst in extended mode

When extended mode is invoked and the automatic lifting of the vehicle has been completed, the driver can select an additional lift in order to clear the obstacle. This can be particularly useful when extended mode has been invoked on soft surfaces.

To request additional lifting, wait for the raising indicator **2** to extinguish then press and hold the switch **1** for three seconds whilst pressing the brake pedal. A chime will sound to confirm that the request has been accepted. Indicator **2** will be illuminated while the vehicle is being lifted.

To exit extended mode briefly press either the raise or lower switch. Alternatively, the vehicle will automatically lower if driven at a speed greater than 5 km/h (3 mph) for 30 seconds.

Suspension freeze

If the system is attempting to change the suspension height and it detects that the suspension is prevented from moving by an obstruction, all movements are frozen.

The indicators operate in the same way as described in extended mode and the same message will be displayed on the message centre. As in extended mode, to exit this freeze state, either press the switch **1** up or down, or drive the vehicle at a speed greater than 20 km/h (12 mph).

Messages

The following messages relating to the air suspension system may be displayed in the message centre.

Message	Meaning	What to do?
SUSPENSION FAULT MAX SPEED 50 km/h (MAX SPEED 30 mph)	A major fault has been detected in the air suspension system and it is unable to control the vehicle height.	Drive slowly until you can seek qualified assistance and the fault is rectified.
SUSPENSION FAULT	A fault has been detected in the air suspension system that may result in some reduction in system performance.	Seek qualified assistance as soon as possible.
SUSPENSION LOWERED FOR SAFETY	A fault has been detected by another system on the vehicle and the suspension has been lowered to a safe height.	Seek qualified assistance as soon as possible.
ONLY NORMAL HEIGHT AVAILABLE	A fault has been detected in the air suspension system. Only Normal height is available.	Seek qualified assistance as soon as possible.
AIR SUSPENSION NOT IN CUSTOMER MODE	The air suspension has been left in a special mode used during a vehicle service.	Seek qualified assistance as soon as possible.
SLOW DOWN OR VEHICLE WILL LOWER	Vehicle will automatically lower to Normal height from Off-road height if vehicle speed increases.	Choose to slow down or accept height change.
SLOW DOWN OR VEHICLE WILL RAISE	Vehicle will automatically rise to Normal height from Crawl height if vehicle speed increases.	Choose to slow down or accept height change.
SUSPENSION WILL RAISE WHEN SYSTEM COOLED	Air suspension compressor is cooling. Lifting will resume when the compressor has cooled.	Wait for suspension to carry out lifting sequence.
SPEED TOO HIGH TO CHANGE HEIGHT	A height change has been requested but the vehicles speed is too high to allow.	Reduce vehicle speed.

Air suspension

Message	Meaning	What to do?
VEHICLE RAISING IN PROGRESS	Vehicle is lifting slowly from compressor as air reservoir is empty.	Wait for suspension to complete lifting sequence.
SUSPENSION LOCKED AT ACCESS HEIGHT	Suspension has been locked at Access height.	Drive slowly.
CONFIRM REQUIRED SUSPENSION HEIGHT	Air suspension height change was suspended because a door was open for more than 90 seconds.	Close door and reselect the desired height.
START ENGINE TO RAISE VEHICLE	Vehicle height can only be raised with the engine running.	Start the engine.
SUSPENSION IN EXTENDED MODE	The vehicle body has become grounded and the suspension height has been automatically increased to try and overcome the obstruction.	If possible, check to see what the vehicle is grounded on and then take appropriate action.
FOR FURTHER SUSPENSION LIFT PRESS RAISE SWITCH AND BRAKE PEDAL FOR 3 SECONDS	If needed, a further lift of the suspension is available to aid in overcoming the obstruction.	Raise vehicle and try to clear the obstruction. Seek assistance if required.
RESELECT SUSPENSION HEIGHT IF CLEAR OF OBSTACLE	Suspension still in extended mode.	If the vehicle is clear, select the required suspension.