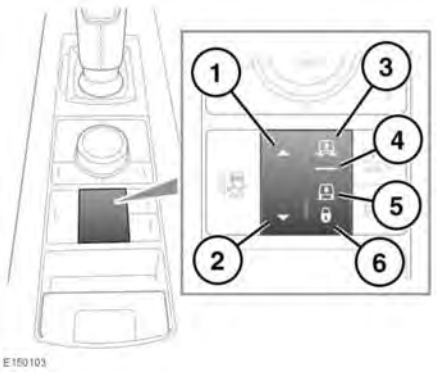
AIR SUSPENSION SYSTEM



⚠WARNING

Make sure that the vehicle is clear of people and obstacles before lowering the suspension. The difference between off-road height and access height can be 4.5 in. (115 mm).

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

1. Raise the suspension height.
2. Lower the suspension height.
3. Off-road height indicator.
4. Normal height indicator.
5. Access height indicator: Access height is 2.0 in. (50 mm) lower than normal height.
6. Suspension locked in Access height indicator.

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

Except for remote operation (see **125, REMOTE OPERATION**), the engine must be running for suspension height changes. If a door is opened during a height change, the height change will be suspended. If the door is closed within 90 seconds, the height change will resume. If the doors are not closed in time, the Message center will display a message **CONFIRM REQUIRED SUSPENSION HEIGHT**. Normal driving will return the vehicle to normal height.

Note: *Under certain conditions, the air suspension control buttons can be pressed and held to change the suspension height, while the doors are open. An appropriate message in the Message center will advise if the air suspension system control buttons can be used with a door open.*

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

OFF-ROAD HEIGHT

Off-road height can be selected from normal height, by pressing the up arrow on the raise/lower switch at any speed up to 43 mph (70 km/h). See **122, AIR SUSPENSION SYSTEM**. The Message center will display **OFF-ROAD HEIGHT SELECTED**.

The off-road height setting is dependent on the vehicle's speed. The off-road height selected will be confirmed with an **Off-Road (1)** or **(2)** icon in the Touch screen display, when the **4x4 info** menu is being displayed. See **85, TOUCH SCREEN HOME MENU**.

Off-Road 1 height is 1.4 in. (35 mm) above normal height, up to 50 mph (80 km/h). **Off-Road 2** height is 2.6 in. (65 mm) above normal height, up to 31 mph (50 km/h). The suspension height can change automatically between these heights. **Off-Road 2** can be selected when at **Off-Road 1** height, by pressing the up arrow on the raise/lower switch, when traveling at speeds less than 25 mph (40 km/h).

To select normal height, press the down arrow on the raise/lower switch, or increase the vehicle's speed to exceed 50 mph (80 km/h).

EXTENDED MODE

If the vehicle's body is raised (e.g., by jacking) or grounded in severe off-road conditions, the system may automatically enter into an extended mode. Symbols in the raise/lower switch will flash and the Message center will display **SUSPENSION IN EXTENDED MODE**. The suspension will rise automatically to assist in clearing the obstacle.

Once the extended mode height has been achieved, the driver may request additional lifting, if required. This is achieved by pressing and holding the up arrow on the raise/lower switch for longer than 3 seconds. See **122, AIR SUSPENSION SYSTEM**.

Extended mode is canceled by pressing the down arrow on the raise/lower switch, or when the vehicle's speed confirms that the body is no longer lifted or grounded.

Note: *The extended mode cannot be selected manually.*

ACCESS HEIGHT

To select access height, press the down arrow on the raise/lower switch. See **122, AIR SUSPENSION SYSTEM**. If the suspension is at off-road height, then press the down arrow twice on the raise/lower switch. **ACCESS HEIGHT SELECTED** will be displayed in the Message center. Access height can be selected at any speed, but the height will not change until traveling slowly. Access selection is canceled if the vehicle's speed does not slow sufficiently within one minute.

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

Normal driving will automatically return the suspension from access height to the previous selected setting.

Normal height can be selected by pressing the up arrow on the raise/lower switch.

AUTO ACCESS HEIGHT

Auto access height can be enabled/disabled via the vehicle settings/set-up. See **53, INSTRUMENT PANEL MENU**.

If Auto access height is enabled, then the suspension will be lowered automatically to allow for easier access, when the vehicle is parked.

The following conditions will apply:

- The suspension has to be at the normal height setting. See **122, AIR SUSPENSION SYSTEM**.
- The transmission has to be engaged in high range. See **116, HIGH AND LOW RANGE TRANSMISSION**.

- The Terrain response system has to be set to the Automatic setting, General program, the Dynamic program or the Grass/Gravel/Snow program. See **158, TERRAIN RESPONSE OPERATION**.

Note: *Auto access height will operate more quickly and smoothly if the Electric Parking Brake (EPB) is applied and the brake pedal is completely released.*

Auto access height will initially lower the suspension up to 0.9 in. (20 mm) below the normal height setting, during any of the following events:

- When the vehicle is stationary and any of the first or second row (not third row) occupied seat belts are unbuckled.
- The ignition is switched off.

When a door is subsequently opened, after the initial lowering of the suspension, then Auto access height will lower the suspension to the lowest setting, i.e., 2 in. (50 mm) below the normal height setting.

Note: *If a door is not subsequently opened, after the initial lowering of the suspension and the vehicle's speed exceeds 24.8 mph (40 km/h), the suspension will return to the normal height setting.*

Auto access height will lower the suspension to 1.6 in. (40 mm) below the normal height setting, if a door is opened before any the following events occur:

- Before any of the occupied seat belts are unbuckled.
- Before the ignition is switched off.

The air suspension system's lowering button can be pressed to lower the vehicle to the full access height, if the air suspension system is still active.

Normal driving will automatically return the suspension from access height to the previous setting. Normal height can be selected by pressing the up arrow on the suspension system's raise/lower switch.

Auto access height can be activated up to 90 seconds after the vehicle becomes stationary.

Auto access height will only operate once for each time the vehicle becomes stationary. If further operations are required while at the same location, then use the Instrument panel menus to disable and then enable the feature again. Alternatively drive the vehicle at a speed above 4.4 mph (7 km/h) for 3 seconds, or at a speed in excess of 9.3 mph (15 km/h).

Note: *This also applies in the event that the vehicle has been stationary for more than 90 seconds without activating Auto access height. If a door is opened after 90 seconds, then an* ***AUTO ACCESS TIMED OUT*** *message will be displayed in the Message center.*

Auto access height will not operate in the following conditions:

- The suspension has entered into extended mode. See **123, EXTENDED MODE**.
- The vehicle is on a steep incline/decline or on a very uneven surface.
- There are not sufficient air reserves in the air suspension system, to lower and raise the suspension. In this event, an **AUTO ACCESS TEMPORARILY NOT AVAILABLE** message will be displayed in the Message center, when a door is next opened.

LOCKED ACCESS HEIGHT

When the vehicle is at normal height and traveling at a speed of less than 22 mph (35 km/h) or at access height, press the down arrow on the raise/lower switch for longer than one second, to lock the vehicle at access height. See **122, AIR SUSPENSION SYSTEM**. The suspension locked LED indicator lamp on the raise/lower switch, will illuminate and **SUSPENSION LOCKED AT ACCESS HEIGHT** will be displayed in the Message center.

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

To cancel this mode, press the up arrow on the raise/lower switch for longer than one second or increase the vehicle's speed to exceed 24 mph (40 km/h).

REMOTE OPERATION

⚠WARNING

Make sure that the vehicle is clear of people and obstacles before lowering the suspension. The difference between off-road height and access height can be 4.9 inches (125 mm).

⚠WARNING

The Smart key can be operated from inside or outside the vehicle. It is important that the Smart key is kept safely out of childrens reach, at all times.

⚠WARNING

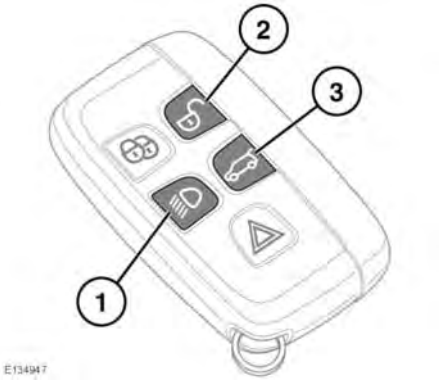
When operating the Smart key from inside the vehicle, make sure that an adult checks for obstructions under the vehicle and supervizes the raising or lowering process.

NOTICE

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

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

To change the suspension height using the Smart key, the vehicle must be correctly parked with the Electric Parking Brake (EPB) applied, all of the doors must be closed and the hazard warning lamps switched on.



To raise the vehicle, simultaneously press and hold the approach lamps button (**1**) and the unlock button (**2**) on the Smart key.

To lower the vehicle, simultaneously press and hold the approach lamps button (**1**) and tailgate unlock button (**3**) on the Smart key.

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

Note: *If, while raising or lowering the vehicle, the approach lamps button (**1**) is pressed for 10 seconds or more, or if unusual behavior occurs, (e.g., the tailgate or windows opening), press the approach lamps button (**1**) twice and start the procedure again.*

ADAPTIVE DYNAMICS

Adaptive dynamics continuously analyzes the vehicle's movements while being driven. The system will react instantaneously to road conditions and the driver's actions. Infinitely variable suspension dampers will help to maintain a composed and balanced ride.

If a fault is detected, the Instrument panel will illuminate either the critical or general warning lamp. See **60, CRITICAL WARNING MESSAGE (RED)** and **62, GENERAL WARNING/INFORMATION MESSAGE (AMBER)**. The warning messages, **ADAPTIVE DYNAMICS FAULT** or **SUSPENSION FAULT VEHICLE LEAN WHEN CORNERING**, will also be displayed in the Message center. Some reduction in ride comfort may also be experienced if a system fault is detected. If the fault persists, consult a Retailer/ Authorized Repairer.

SUSPENSION LOWERED FOR SAFETY

In the event that a fault is detected with the Dynamic Stability Control (DSC) system, the suspension height will be lowered to increase the vehicle's stability. See **118, DYNAMIC STABILITY CONTROL (DSC)**. This will be accompanied by a message in the Message center and the LED indicator lamps on the air suspension controls will extinguish.

NOTICE

The vehicle's suspension height will be reduced, so exercise extreme caution while driving off-road.

To override the ride height reduction:

⚠WARNING

The suspension height is lowered to increase the vehicle's stability, and overriding the suspension height reduction is not recommended. Doing so could result in a vehicle rollover during extreme maneuvers.

1. Press the up or down arrow on the raise/lower switch.
2. Follow the instructions displayed in the Message center.

   Note: *If the vehicle is driven enthusiastically, while the system override is active, a message will be displayed in the Message center as a reminder that a safety system has been bypassed. A further message will provide instructions for canceling the override.*