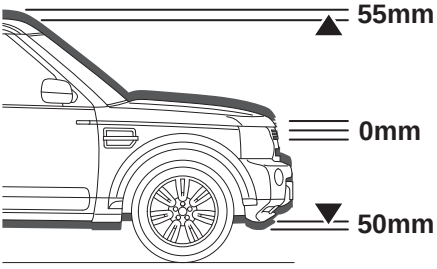
PRINCIPLE OF OPERATION

WARNING

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

Operation



LAN2501

The air suspension system maintains the correct vehicle height by controlling the quantity of air in the vehicle's air springs.

Unless otherwise stated, height changes may only be made while the engine is running and the driver and passenger doors are closed.

When the air suspension system lifts the vehicle, it uses compressed air stored in its reservoir. The suspension will rise more slowly if this reservoir is depleted, usually due to repeated raising and lowering of the suspension.

Normal height

The normal height of the vehicle when being driven on the road at speeds between 10 km/h (6 mph) and 160 km/h (100 mph).

Off-road height



This is 55 mm (2.2 in.) higher than the Normal height. It provides improved ground clearance and approach, departure and break-over angles. See **TECHNICAL SPECIFICATIONS** (page 270).

Off-road height can be selected at any speed up to 40 km/h (24 mph). When the system is at off-road height, the system will automatically select Normal height if the vehicle speed exceeds 50 km/h (30 mph).

Note: *If Terrain Response is in use, some of its programs/range combinations will adjust suspension height automatically.*

Note: *If the trailer socket is in use, automatic height changes are inhibited. Height changes can still be selected manually.*

Extended mode

If the vehicle becomes grounded and the traction control is activated, the system automatically uses Extended mode to provide additional height. Extended mode cannot be selected manually.

Access height



Access height is 50 mm (2.0 in.) lower than Normal height. It provides easier entry, exit and loading of the vehicle.

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

If you selected Access height directly from off-road height, the system will return to off-road height when the vehicle speed exceeds 10 km/h (6 mph). Otherwise, the system will lift the suspension to normal height.