

VEHICLE DYNAMIC SUSPENSION

RIDE HEIGHT ADJUSTMENTS (G2413357)

GENERAL PROCEDURES

SPECIAL TOOL(S)

204-557B



E95131

204-557B

Gauge, Ride height

 CAUTIONS:

- Make sure the wheels and tires, tie rod ends, suspension joints and wheel bearings are free from damage, wear and free play.
- Make sure there are no heavy objects in the vehicle.
- The ride height must be measured with the vehicle weight supported by the suspension.
- With the engine running and all vehicle doors closed, make sure the air suspension is functioning and the vehicle height can be raised and lowered using the air suspension switch.
- Drive the vehicle on to a flat, level surface.
- Make sure the steering wheel is in the straight ahead position.



NOTES:

- This procedure must be carried out after replacement of the air suspension control module, removal or replacement of a height sensor, removal or replacement of the front or rear suspension arms, replacement of body panels incorporating suspension fixing points.
- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

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1.

 CAUTION:

Make sure the vehicle is not moved once it has been positioned to take measurements.

 NOTE:

To improve the accuracy of the calibration procedure it is recommended a low friction surface be used like wheel alignment facility with slipper plates.

Position the vehicle on a flat level surface.

2.

Connect the Jaguar Land Rover (JLR) approved diagnostic equipment to the vehicle Data Link Connector (DLC).

Connect the vehicle data link cable into the vehicle communications module.

Connect the JLR approved diagnostic equipment USB Lead into the vehicle communications module.

Connect the data link cable to the data link connector.

Connect the JLR approved diagnostic equipment USB lead to the diagnostic tool USB port.

3.

 CAUTION:

Make sure the ignition switch is turned off, the park brake is on and the selector lever is in park.

 NOTE:

Make sure that the JLR approved diagnostic equipment already loaded with the latest issue of software.

Switch on JLR approved diagnostic equipment and navigate to the Vehicle Identification Number (VIN) input screen.

4.

Enter the VIN and navigate to the vehicle configuration menu.

Select setup and configuration.

Select air suspension height calibration and read all warnings and cautions.

Follow the on-screen prompts.

5.

⚠ CAUTION:

The JLR approved diagnostic equipment will cause the vehicle height to change during some parts of the calibration process.

⚠ NOTES:

- Do not install the special tool over a locking wheel nut.
- Make sure the special tool is square to the wheel face with the measuring rod in a vertical position.
- Take the measurement from the top edge of the slider on the special tool.
- Make sure the fender splash shields are correctly fitted.



Once in the suspension height measurement screen, use the special tool to measure and record the height setting from each wheel center to the wheel arch.

Follow the on-screen prompts.

6.

After successful calibration of the air suspension switch off the JLR approved diagnostic equipment and return to its original position.