

Ride Height Adjustments (60.90.03)

Special Service Tools

204-557/1



E55899

Wheel Adaptor - Ride Height
204-557/1

204-557/2



E55900

Wheel Adaptor Boss - Ride Height
204-557/2

204-557/3



E55901

Front Adaptor - Ride Height
204-557/3

204-557/4



E55902

Rear Adaptor - Ride Height
204-557/4

204-557/5



E55903

Scale - Ride Height
204-557/5

204-557/6



E55904

Scale Extension - Long - Ride Height
204-557/6

204-557/7



E55905

Scale Extension - Short - Ride Height
204-557/7



CAUTION: Make sure the wheels and tires, tie rod ends, suspension joints and wheel bearings are free from damage, wear and free play.



CAUTION: Make sure the tire pressures are within specification.



CAUTION: Make sure there are no heavy objects in the vehicle.



CAUTION: The ride height must be measured with the vehicle weight supported by the suspension.



CAUTION: 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.



CAUTION: Drive the vehicle on to a flat, level surface.



CAUTION: Make sure the steering is in the straight ahead position.

NOTE:

This procedure must be carried out after replacement of the air suspension control module or height sensor link arm, removal or replacement of the front or rear upper arms or the height sensor. The ride height must also be checked and adjusted when the wheel alignment is adjusted. The ride height does not need calibration after removal or replacement of the front or rear air springs or shock absorbers.

1. Check the tie rod ends, suspension joints, wheel bearings and wheels and tires for damage, wear and free play.
 - Adjust or repair any worn, damaged or incorrectly adjusted components.
2. Check and adjust tire pressures.

3.



CAUTION: Set the ride height to **NORMAL** and wait until the system stops adjusting. This is indicated by the **NORMAL** height symbol on the air suspension switch being illuminated and all other symbols being extinguished.

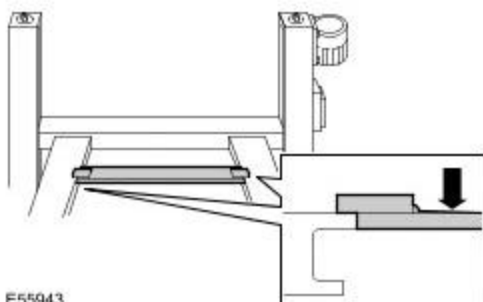
Set the air suspension ride height switch to **NORMAL** position.

4.



CAUTION: The ride height measurements are made between the vehicle lower suspension arm fixings and the flat, level surface. If the ride height calibration procedure is carried out on a vehicle lift, the measurements must be made to a position at the same level as the vehicle lift platform.

Position the vehicle on a calibrated, level surface.



5. Connect T4 to the vehicle.

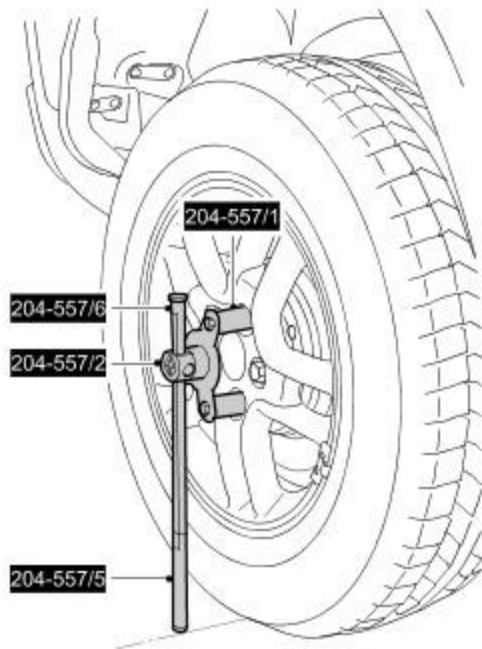
6.



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

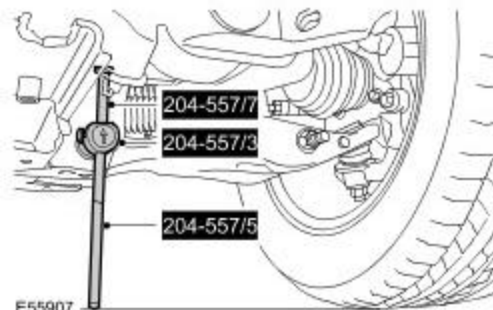
Start and run the engine for a minimum of three minutes.

7. When instructed by T4, use the special tool to measure and record the height setting from each wheel center to the calibrated level surface.



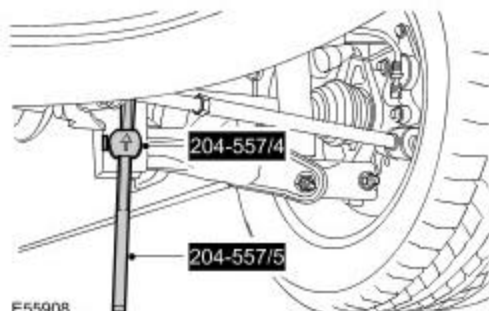
E55906

8. Using the special tool, measure and record the height setting from each front lower arm front bolt head to the calibrated level surface.



E55907

9. Using the special tool, measure and record the height setting from each rear lower arm rear bolt head to the calibrated level surface.



E55908

10.



CAUTION: T4 will now cause the vehicle height to change.

Using T4, load the new ride height calibration to the vehicle.

11. When instructed by T4, use the special tools to repeat the vehicle ride height measurements.
12. If necessary, re-calibrate the vehicle ride height.