

Technical Service Bulletin



43 Warning for self-leveling suspension in instrument cluster (DTCs 00142, 00143, 00144, 00145)

43 13 18 2018190/4 May 8, 2013. Supersedes Technical Service Bulletin Group 43 number 08-11 dated November 3, 2008 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Audi Q7	2007	All	Self-leveling suspension
Audi Q7	2008	000001 - 049337	Self-leveling suspension

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised header data (New customer codes) Revised title
3	8/28/2009	Revised header data (New customer codes)
2	11/3/2008	Revised Title to include Repair Group

- Customer may report a warning for self-leveling suspension in instrument cluster.
- One of the following DTCs may be stored in the self-leveling suspension control module, J197 (address word 34). The DTC does not affect the operation of the shock absorbers.
 - **DTC 00142** (valve for shock absorber adjustment front left, electrical fault in electric circuit).
 - **DTC 00143** (valve for shock absorber adjustment front right, electrical fault in electric circuit).
 - **DTC 00144** (valve for shock absorber adjustment rear left, electrical fault in electric circuit).
 - **DTC 00145** (valve for shock absorber adjustment rear right, electrical fault in electric circuit).

Technical Background

Due to manufacturing quality differences in the control module for the self-leveling suspension system, one of the DTCs listed above may be stored.

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Service

1. Perform the necessary Guided Fault Finding (GFF) test plan for the stored DTC.
2. Check the wiring and connectors for loose connections, contact corrosion, slipped or bent pins, and electric resistance of the vehicle wiring.
Current feed valve to shock absorber valves: 650mA-2000mA
Resistance valve for shock absorber valves:
 - 1.66 Ohm \pm 6% at -30°C/ -22°F
 - 2.20 Ohm \pm 6% at 20°C/ 68°F
 - 3.61 Ohm \pm 6% at 110°C/ 230°F
3. The control module for the self-leveling suspension system should be replaced *only* if all values are OK according to GFF.

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	4316		
Damage Code:	0040		
Labor Operations:	Control Module remove and reinstall	4316 5500	20 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
	Technical diagnosis	No allowance	0 TU
	Diagnostic time reimbursement follows guidelines printed in Section 2.2 of the <i>Audi Warranty Policies and Procedures Manual</i>		
Claim Comment:	As per TSB #2018190/4		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.



Required Parts and Tools

VAS 5051B / VAS 5052

Additional Information

All parts and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.