

Technical Service Bulletin

48 Generation 3 power steering - steering stiff after engine start

48 15 64 2021189/5 February 26, 2015. Supersedes Technical Service Bulletin Group 48 number 13-37 dated February 28, 2013 for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|----------|-------------|-----------|----------------------------|
| A3 | 2009 - 2013 | All | Not Applicable |
| TT | 2009 - 2013 | All | Not Applicable |

Condition

| REVISION HISTORY | | |
|------------------|------------|---|
| Revision | Date | Purpose |
| 5 | - | Revised <i>Service</i> (Updated SVM code) |
| 4 | 2/28/2013 | Revised <i>Warranty</i> (Changed labor operations code) Revised <i>Service</i> (Added new SVM code) Revised header data (Added model years) |
| 3 | 9/30/2011 | Revised <i>Service</i> (Added new SVM code and model year 2010) |
| 2 | 11/11/2009 | Revised <i>Service</i> (TT Old Software Version corrected) Revised <i>Warranty</i> |
| 1 | 8/14/2009 | Original publication |

- Steering feels stiff after engine start on vehicles with generation 3 steering.
- The following entries may be stored in the power steering control module, J500 (address word 44):
 - **DTC 16344 with fault symptom 14** (Control module - faulty)
 - **DTC 16353 with fault symptom 14** (Control module - faulty)
 - **DTC 16355 with fault symptom 14** (Control module - faulty)
 - **DTC 16347 with fault symptom 07** (Control module - short circuit to ground)
 - **DTC 16347 with fault symptom 14** (Control module - faulty)

Technical Background

Incorrect software.

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Production Solution

New software.

Service

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the power steering software of the power steering control module, J500 (address word 44) using the SVM action codes as listed in the tables below, if necessary.
The tester may display a note stating that update programming must be performed on two control modules.
The updates should be installed in the order proposed by the tester.

Vehicles with software level below 2901 must first be updated to software level 2901 using the appropriate SVM code from following table:

| Model | Old Software Part Number | Old Software Version | New Software Part Number | New Software Version | SVM Action Code |
|-------|--------------------------|----------------------|--------------------------|----------------------|-----------------|
| TT | - | Below 2901 | - | 2901 | 8J44A001 |
| A3 | - | Below 2901 | - | 2901 | 8P44A001 |

Vehicles with software level 2901 or higher (but below 3305) use the appropriate SVM code from following table:

| Model | Old Software Part Number | Old Software Version | New Software Part Number | New Software Version (or higher) | SVM Action Code |
|-------|--------------------------|--------------------------------|--------------------------|----------------------------------|-----------------|
| TT | - | 2901 or above (but below 3305) | - | 3305 | 44A001 |
| A3 | - | 2901 or above (but below 3305) | - | 3305 | 44A001 |

3. After the SVM update, adapt the power steering control module, J500 (address word 44), through Guided Fault Finding.
4. Calibrate steering angle sensor G85.

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Warranty

| | | | |
|--------------------------|--|--------------|---|
| Claim Type: | Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only. | | |
| Service Number: | 4835 | | |
| Damage Code: | 0039 | | |
| Labor Operations: | Update power steering control module software | 0150 0000 | Time stated on diagnostic protocol (100 TU max) |
| Diagnostic Time: | GFF | No allowance | 0 TU |
| | Road test prior to service procedure | 0121 0002 | 10 TU |
| | Road test after service procedure | 0121 0004 | 10 TU |
| | Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details) | | |
| Claim Comment: | As per TSB #2021189/5 | | |

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.

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.