

Technical Service Bulletin

46 Steering angle sender voltage too small

46 22 38 2040449/2 December 1, 2022. Supersedes Technical Service Bulletin Group 46 number 15-08 dated April 21, 2015 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3, A3 Cabriolet, and S3	2015	All	Not Applicable

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>Service</i> (Added SVM code)
1	04/21/2015	Initial publication

Customer States:

- Customer may report that Electronic Stability Control (ESC) and Tire Pressure Monitoring System (TPMS) warnings are intermittently displayed in the instrument cluster.

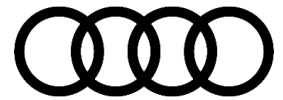
Workshop Findings:

- The following DTCs are stored in the ABS control module, J104 (address word 03):
 - DTC B116816** (Steering angle sensor voltage too low, passive/sporadic).
 - DTC C114602** (Tire pressure monitoring display signal error, passive sporadic).

Technical Background

During vehicle start-up, there may be a drop in voltage that causes the DTCs to be stored in the ABS control module, J104 (address word 03). However, the power steering control module, J500 (address word 44), must be updated to correct this condition.

Production Solution



Technical Service Bulletin

Improved power steering control unit software from December 2014.

Service

1. Check the software version of the power steering control module, J500 (address word 44):
 - If the software version is already at the new software version listed in the table below, then this bulletin does not apply. Continue with diagnosis outside of this bulletin.
 - If the software version is lower than the new software version listed in the table below, update the software according to the steps below, it is extremely important to follow the sequence in the order below:
 - 1st software update SVM 44A011.
 - 2nd software update SVM 44B011.
2. After updating the software, calibrate the steering angle sensor.

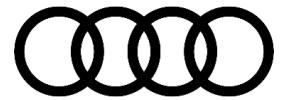
SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the power steering control module, J500 (address word 44) using the SVM action code as listed in the table below, if necessary.

Model	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Code Input
A3 with standard steering	-	1060	-	1061	44A011/44B011
A3 with progressive steering	-	5060	-	5061	44A011/44B011

Warranty

Claim Type:	<ul style="list-style-type: none">• 110 Up to 48 Months/50,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.
--------------------	--------------------------------------------------------------------------------------------------------------------------------------------



Technical Service Bulletin

	• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	4835		
Damage Code:	0039		
Diagnostic Time:	SVM update	0151 0000	Time stated on diagnostic protocol (Max 50 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 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 2040449/2		

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 (**2040449**) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

©2022 Audi of America, Inc. All rights reserved. The information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies, and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.