



Technical Service Bulletin

01 Start-stop system error, A/C Inop, and MIL on, DTCs P011600, P017B00, and/or P011F00 stored in the ECM

01 19 98 2046232/5 January 7, 2019. Supersedes Technical Service Bulletin Group 01 number 17-28 dated July 27, 2017 for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|-------------|-------------|-----------|----------------------------|
| S6, S7 | 2013 - 2017 | All | 4.0 liter |
| RS 7, RS 7+ | 2014 - 2016 | All | 4.0 liter |
| A8 | 2013 - 2017 | All | 4.0 liter |
| S8 | 2013 - 2017 | All | 4.0 liter |
| S8 + | 2016 - 2017 | All | 4.0 liter |

Condition

| REVISION HISTORY | | |
|------------------|------------|---|
| Revision | Date | Purpose |
| 5 | - | Revised title Revised header data (Added Model Years) Revised <i>Condition</i> (Updated DTC descriptions) Revised <i>Service</i> (Updated SVM table) |
| 4 | 07/27/2017 | Revised header data (Added models) |
| 3 | 06/08/2017 | Revised header data (Added model year) |

Customer statement:

- The air conditioning has no cooling performance and/or the cooling fan stays running at high speed
- Start-stop system error is shown in the instrument cluster display
- MIL on

Workshop findings:

Up to three DTCs could be logged at the same time in the engine control module (ECM), J623 (address word 0001):

- **DTC P011600** (Engine Coolant Temperature Sensor 1 Circuit Range/Performance)
- **DTC P017B00** (Cylinder Head Temperature Sensor Circuit Range/Performance)



Technical Service Bulletin

- **DTC P011F00** (Engine Coolant Temperature 2/Ambient Air Temperature Correlation)

Technical Background

OBD diagnostics are too sensitive.

Production Solution

New software in the engine control module (ECM), J623 (address word 0001) addressed the condition.

Service

SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the ECM, J623 (address word 0001) using the SVM action code as listed in the table below, if necessary.
3. After the SVM update, cycle the ignition.

| Model | Engine | Old Software Part Number | Old Software Version | New Software Part Number | New Software Version (or higher) | SVM Code Input |
|---------------|--------|--------------------------|----------------------|--------------------------|----------------------------------|----------------|
| S6/S7 MY13 | CEUC | 4G0906014 | 0011 | 4G0906014 | 0012 | 01A225 |
| S6/S7 MY13 | CEUC | 4G0906014A | 0007 | 4G0906014A | 0008 | 01A225 |
| S6/S7 MY13 | CEUC | 4G0906014B | 0008 | 4G0906014B | 0009 | 01A225 |
| S6/S7 MY14 | CEUC | 4G0906014E | 0008 | 4G0906014E | 0006 | 01A225 |
| S6/S7 MY15 | CEUC | 4G0906014E | 0005 | 4G0906014E | 0006 | 01A225 |
| S6/S7 MY16 | CTGE | 4G0906014C | 0005 | 4G0906014C | 0006 | 01A225 |
| S6/S7 MY16-17 | CTGE | 4G0906014D | 0001 | 4G0906014D | 0002 | 01A225 |
| RS 7 MY14 | CRDB | 4G0906560A | 0005 | 4G0906560A | 0006 | 01A225 |
| RS 7 MY14 | CRDB | 4G0906560 | 0011 | 4G0906560 | 0012 | 01A225 |
| RS 7 MY14 | CRDB | 4G0906560B | 0007 | 4G0906560B | 0008 | 01A225 |



Technical Service Bulletin

| | | | | | | |
|-----------------------------|------|------------|------|------------|------|--------|
| RS 7 MY15-16 | CWUB | 4G0906560D | 0001 | 4G0906560G | 0002 | 01A225 |
| RS 7 MY15-16 | CWUB | 4G0906560F | 0002 | 4G0906560F | 0003 | 01A225 |
| RS 7 MY17 | CWUB | 4G0906560G | 0001 | 4G0906560G | 0002 | 01A225 |
| RS 7 MY16-17 Performance | CWUC | 4G0906560G | 0001 | 4G0906560G | 0002 | 01A225 |
| A8 4.0TFSI MY13-14 | CEUA | 4H0906014 | 0007 | 4H0906014 | 0008 | 01A225 |
| A8 4.0TFSI MY13-14 | CEUA | 4H0906014A | 0005 | 4H0906014A | 0006 | 01A225 |
| A8 4.0TFSI MY13-14 | CEUA | 4H0906014B | 0004 | 4H0906014L | 0005 | 01A225 |
| A8 4.0TFSI MY13-14 | CEUA | 4H0906014C | 0004 | 4H0906014C | 0005 | 01A225 |
| A8 4.0TFSI MY13-14 | CEUA | 4H0906014D | 0004 | 4H0906014D | 0005 | 01A225 |
| A8 4.0TFSI MY13-14 | CEUA | 4H0906014H | 0005 | 4H0906014H | 0006 | 01A225 |
| A8 4.0TFSI MY13-14 | CEUA | 4H0906014L | 0004 | 4H0906014L | 0005 | 01A225 |
| A8 4.0TFSI MY15 | CTGA | 4H0906014G | 0007 | 4H0906014G | 0008 | 01A225 |
| A8 4.0TFSI MY15 | CTGA | 4H0906014J | 0005 | 4H0906014J | 0006 | 01A225 |
| A8 4.0TFSI MY15 | CTGA | 4H0906014K | 0004 | 4H0906014K | 0005 | 01A225 |
| A8 Sport MY16-17 | CTGF | 4H0906014N | 0001 | 4H0906014N | 0002 | 01A225 |
| S8 MY13 | CGTA | 4H0907557 | 0009 | 4H0907557 | 0010 | 01A225 |
| S8 MY13 | CGTA | 4H0907557A | 0005 | 4H0907557A | 0006 | 01A225 |
| S8 MY13 | CGTA | 4H0907557B | 0004 | 4H0907557E | 0004 | 01A225 |
| S8 MY14 | CTFA | 4H0907557E | 0003 | 4H0907557E | 0004 | 01A225 |
| S8 MY15-16 | CTFA | 4H0907557C | 0005 | 4H0907557C | 0006 | 01A225 |
| S8 MY15-16 | CTFA | 4H0907557D | 0005 | 4H0907557D | 0006 | 01A225 |
| S8 MY15-16 | CTFA | 4H0907557F | 0002 | 4H0907557F | 0003 | 01A225 |
| S8 Plus MY16 | DDTA | 4H0907557G | 0003 | 4H0907557G | 0004 | 01A225 |
| S8 Plus MY16 | DDTA | 4H0907557H | 0001 | 4H0907557H | 0002 | 01A225 |



Technical Service Bulletin

Warranty

| | | | |
|--------------------------|---|--------------|--|
| Claim Type: | <ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• 1E1 up to 8 Years/80,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.• If vehicle is outside any warranty, this Technical Service Bulletin is informational only. | | |
| Service Number: | 2470 | | |
| Damage Code: | 0039 | | |
| Labor Operations: | Check software level in ECM (with no update needed) | 2470 0199 | Max. 10 TU |
| Diagnostic Time: | GFF – Checking and clearing fault codes included in existing labor operations | 0150 0000 | Time stated on diagnostic protocol (Max 50 TU) |
| | Road test before service procedure | No allowance | 0 TU |
| | Road test after service procedure | 0121 0004 | 10 TU |
| Claim Comment: | As per TSB #2046232/5 | | |

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.

Required Parts and Tools

Approved battery charger.

Additional Information

The following Technical Service Bulletin will be necessary to complete this procedure:

- TSB 2011732, *00 Software Version Management (SVM), operating instructions*.

All part and service references provided in this TSB (2046232) are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.

©2019 Audi of America, Inc. All rights reserved. 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



Technical Service Bulletin

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.