# Technical Service Bulletin

**01 MIL on (DTC P033300 and/or P032800 Knock sensor high input stored in ECM)**

01 17 23 2048391/1 July 13, 2017.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|---|---|---|---|
| A8 | 2013 - 2016 | All | Not Applicable |
| S8 | 2013 - 2015 | All | Not Applicable |
| S6, S7, RS 7, and RS 7+ | 2016 - 2017 | All | Not Applicable |

## Condition

**Customer statement:**

- MIL on

**Workshop findings:**

The following DTC's are logged in the engine control module (ECM), J623 (address word 0001):

- **DTC P032800** (Knock Sensor 1 Circuit High Input)
- **DTC P033300** (Knock Sensor 2 Circuit High Input)

## Technical Background

OBD diagnostics are too sensitive. Replacing the knock sensor will not resolve the customer concern.

## 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:



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# Technical Service Bulletin

| 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 |
| 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 |



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|---|---|---|---|---|---|---|
| A8 4.0TFSI MY15 | CTGA | 4H0906014J | 0005 | 4H0906014J | 0006 | 01A225 |
| A8 4.0TFSI MY15 | CTGA | 4H0906014K | 0004 | 4H0906014K | 0005 | 01A225 |
| A8 Sport MY16 | 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 |

3. After the SVM update, cycle the ignition.

## Warranty

| | | | |
|---|---|---|---|
| **Claim Type:** | • 110 up to 48 Months/50,000 Miles.<br>• 1E1 up to 8 Years/80,000 Miles.<br>• G10 for CPO Covered Vehicles – Verify Owner.<br>• 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) |



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| | | | |
|---|---|---|---|
| | Road test after service procedure | 0121 0004 | 10 TU |
| | Technical diagnosis at dealer's discretion<br>(Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details) | | |
| **Claim Comment:** | As per TSB #2048391/1 | | |

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.

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