



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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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:	<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)



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	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 #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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