

# Technical Service Bulletin



**01 MIL on, misfire DTC stored after cold start (DTCs P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308)**

01 13 44 2035668/1 November 27, 2013.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S5	2008 - 2010	All	4.2FSI

## Condition

- MIL on.
- One of the following DTCs may be stored in the engine control module (ECM), J623 (address word 01):
  - **DTC P0300:** Random/Multiple Cylinder Misfire Detected
  - **DTC P0301:** Cyl. 1 Misfire Detected
  - **DTC P0302:** Cyl. 2 Misfire Detected
  - **DTC P0303:** Cyl. 3 Misfire Detected
  - **DTC P0304:** Cyl. 4 Misfire Detected
  - **DTC P0305:** Cyl. 5 Misfire Detected
  - **DTC P0306:** Cyl. 6 Misfire Detected
  - **DTC P0307:** Cyl. 7 Misfire Detected
  - **DTC P0308:** Cyl. 8 Misfire Detected
- Freeze frame data indicates that the DTCs are stored during cold start (engine coolant temperature between 18° and 36° C).

## Technical Background

Software update is needed.

## Production Solution

New software for the ECM.

# Technical Service Bulletin



## Service

1. Follow all instructions in the attached TSB, 2011732: 00 Software Version Management (SVM), operating instructions.
2. Update the ECM using the SVM action code as listed in the table below, if necessary.
3. Perform a short test drive.
4. The next morning, verify the repair during cold start by recording MVB 14 and 15 (ambient temperature between 50 - 80 °F).



**Tip:** Based on normal fuel quality variation, under certain ambient conditions some single misfires may be recorded during cold start (catalytic converter heating phase). This will have no negative effect and no further investigation is needed.

Model	Trans.	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Action Code
2008 S5 4.2FSI	Manual	8T0 907 560 A	All	8T0 907 560 A	0003	01A152
2008 S5 4.2FSI	Manual	8T0 907 560 G	All	8T0 907 560 K	0003	01A152
2008 S5 4.2FSI	Auto	8T0 907 560 D	All	8T0 907 560 D	0005	01A152
2009 S5 4.2FSI	Manual	8T0 907 560 K	All	8T0 907 560 K	0003	01A152
2009 S5 4.2FSI	Manual	8T0 907 560 Q	All	8T0 907 560 S	0004	01A152
2009 S5 4.2FSI	Auto	8T0 907 560 N	All	8T0 907 560 N	0003	01A152
2009 S5 4.2FSI	Auto	8T0 907 560 R	All	8T0 907 560 T	0005	01A152
2010 S5 4.2FSI	Auto	8T0 907 560 T	All	8T0 907 560 T	0005	01A152
2010 S5 4.2FSI	Manual	8T0 907 560 S	All	8T0 907 560 S	0004	01A152

# Technical Service Bulletin



## Warranty

<b>Claim Type:</b>	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
<b>Service Number:</b>	2470		
<b>Damage Code:</b>	0039		
<b>Labor Operations:</b>	Check software levels – no update necessary	2470 0199	20 TU
	Check software levels – perform update	2470 2599	50 TU
<b>Diagnostic Time:</b>	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)		
<b>Claim Comment:</b>	As per TSB #2035668/1		

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 parts and service references provided in this TSB (2035668) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.