

# Technical Service Bulletin



## 01 MIL on (DTC P01C900 and P008800 - fuel rail pressure too high); noises from engine compartment

01 13 36 2035235/1 October 9, 2013.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S6, S7, A8/S8	2013 - 2014	All	4.0 TFSI engine

## Condition

- The customer reports that the engine warning light illuminates sporadically (Figure 1).
- The engine may have reduced performance without significant loss of power or stalling.
- Noise is heard coming from the engine compartment, specifically from the High Pressure Fuel Pumps 2.
- The following DTCs are stored in the engine control module (ECM), J623 (address word 01):
  - **DTC P008800** (fuel, rail/system pressure too high)
  - **DTC P01C900** (fuel, rail/system pressure bank 2 too high)



*Figure 1. Engine warning light.*

## Technical Background

The fuel metering valve of the high-pressure fuel pump is controlled by a specific on/off ratio. If there is a low system voltage, the on/off ratio may not be enough to keep the fuel metering valve constant in all areas. In such a situation, the fuel metering valve is deactivated and the high-pressure fuel pump switches to full supply mode. Because the increased rail pressure does not match the respective driving situation, the DTC appears.

## Production Solution

ECM software update.

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## Service

### SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the ECM software using the SVM action code as listed in the table below if necessary.

Model	Engine	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Action Code
S6/S7 (MY 13)	4.0T CEUC	4G0906014B	0006	4G0906014E	0002	01A148
A8 (MY13)	4.0T CEUA	4H0906014B	0003	4H0906014L	0003	01A148
S8 (MY13)	4.0T CGTA	4H0907557B	0004	4H0907557E	0002	01A148
S6/S7 (MY14)	4.0T CEUC	4G0906014E	0001	4G0906014E	0002	01A148
A8 (MY14)	4.0T CEUA	4H0906014L	0002	4H0906014L	0003	01A148
S8 (MY14)	4.0T CGTA	4H0907557E	0001	4H0907557E	0002	01A148

## Warranty

<b>Service Number:</b>	2470		
<b>Damage Code:</b>	0039		
<b>Labor Operations:</b>	Update ECM software by SVM	2470 2599	40 TU
<b>Diagnostic Time:</b>	GFF	0150 0000	10 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)		
<b>Claim Comment:</b>	As per TSB # 2035235/1		

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.

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## 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 (2035235) are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.