Technical Service Bulletin

01 MIL on, DTC P20E900 or P20FE00 stored in ECM

01 18 81 2034359/5 July 31, 2018. Supersedes Technical Service Bulletin Group 01 number 18-80 dated July 30, 2018 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q7	2012 - 2015	All	TDI

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
5	-	Revised *Service* (Updated Step 4 DTC)
4	07/30/2018	Revised *Service* (Updated Step 4 Notes) Revised *Warranty* (Updated Labor Operation) Revised *Additional Information* (Added reference)
3	04/19/2018	Revised header data (Updated VIN breaks) Revised *Service* (Updated Step 4)

Customer states:

- MIL on.

Workshop findings:

One of the following DTCs is stored in the engine control module (ECM), J623 (address word 0001):

- **DTC P20E900** (Reductant pressure too high).
- **DTC P20FE00** (Reductant metering unit performance).

Technical Background

In vehicles produced during a certain period, the AdBlue filter seal within the level sensor module may have been damaged during the assembly process or the AdBlue filter housing may come loose over time. This can allow unfiltered AdBlue to be drawn into the delivery system, subsequently damaging the pressure sensor and reducing agent pump V437.

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Production Solution

Vehicle out of production. Service solution is an improved level sensor module.

Service

1. In cases with the above fault codes, remove the active tank according to instructions in the Elsa Repair Manual.
2. Remove the G684 Reducing Agent Tank level sensor.
3. Inspect the reducing agent filter housing which should be clipped to the G684 level sensor module. If the filter housing is loose (see Figure 1 and Figure 2), **then the G684 level sensor AND the V437 reducing agent pump must be replaced.**

Figure 1. *Filter element housing loose inside tank.*

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Figure 2. *Filter element housing loose inside tank.*

4. If the filter is properly secured and only the P20FE00 fault is present, clear the DTC and perform an SCR Metering Quantity Test to ensure the lines are purged of air. Do not replace any parts.

   Note:

   See *Reduction agent injector testing – UDS* video on the Audi Academy website for more information on how to access the SCR Metering Quantity Test. It is found under Basic Settings.

   Note:

   If the vehicle returns with the P20FE fault after the DTC has been cleared and the lines have been purged (assuming filter is secure), please contact the Technical Assistance Center (TAC) for further instructions.

5. Top off AdBlue level when repairs are complete.

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Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2682		
Damage Code:	0050		
Labor Operations:	Reductive agent container remove + reinstall	2681 1900	120 TU
	Level sensor module remove + reinstall	2682 1999	30 TU
	SCR Metering Quantity Test (If applicable)	2685 1999	60 TU
	Reductive agent inspect + add	2688 3500	20 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 20 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
Claim Comment:	As per TSB #2034359/5		

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

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	**Part Description**	**Quantity**
4L0131907D	Storage Unit (G684 level sensor module)	01 (If applicable)
4L0131899M	V437 Pump for reduction agent	01 (If applicable)
See ETKA	Fasteners, Bolts, Nuts and Screws as needed per the Repair Manual	See ETKA/ELSA

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Additional Information

All parts and service references provided in this TSB (2034359) are subject to change and/or removal.

More information on this system can be found in the following resources:

- Audi Academy (see Basic Settings), *Reduction agent injector testing – UDS*

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