Technical Service Bulletin

20 leak diagnostic pump - MIL on - DTC P148D00 + P044200
20 24 67 2073032/1 March 8, 2024.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2019 – 2023	All	Not Applicable
A6, A7, Q7, and Q8	2019 – 2022		
S8	2020 – 2023		
A6 allroad, S6, S7, SQ7, SQ8, and RS Q8	2020 – 2022		
A8 e quattro	2020 – 2021		
RS 6 Avant, A7 e quattro, and RS 7	2021 – 2022		

Condition

Customer states:

The MIL is on.

Workshop findings:

The following DTCs may be stored in *the ECM* J623, (address word 0001):

- **DTC P148D00 (P148D):** "Evaporative Emission System Leak Detection Pump implausible frequency"

And/or

- **DTC P044200 (P0442):** "EVAP Emission Control System (Small Leak) Leak Detected"

No other relevant DTC entries must be logged.

Technical Background

Software issue in the ECM -J623- (address word 0001).

For configuration-related reasons, the **DTC P0442 (P044200)** "Small leak detected" may be stored in the ECM although there are no leaks in the fuel tank system.

Production Solution

Improved software gradually introduced in production.

Internal

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Service

> **ℹ️**
>
> **Always use DoIP when flashing a control module via ODIS in supported vehicles.**
>
> **To Activate DoIP, select *Administration>>General>>GFF Process>>DoIP communication>>Only allow DoIP communication***
>
> **This setting will automatically reset when the diagnostic session is ended.**
>
> **You can tell if DoIP is active by observing a red LED on the VAS 6154(A)**

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the 0001 (J623) using the SVM action code as listed in the table below, if necessary.
3. Make sure there are no leaks in the fuel system.

Model	Diagnostic Address	Old Software Part Number	Old Software Version	New Software Part Number (or higher)	New Software Version (or higher)	SVM Code Input
Q7	0001	4M0907559D	<0003	4M0907559D	0004	01A255
Q7		4M0907559L	<0002	4M0907559L	0003	
Q8		4M8907557F	<0001	4M8907557F	0002	
Q8		4M8907559M	<0002	4M8907559M	0003	

Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2048		
Damage Code:	0040		
Labor Operations:	Software Update (Includes checking for DTCs)	0151 0060	Time stated on the diagnostic protocol (Max 80 TU)

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Diagnostic Time:	Charge battery	2706 8950	10TU
	GFF	No allowance	0 TU
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB 2073032/1		

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.

Additional Information

All part and service references provided in this TSB (**2073032**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

Internal