Technical Service Bulletin

Audi

20 MIL on (DTC P045600 - EVAP system leak detected NVLD (very small leak)) - Repair Authorization

20 16 58 2042166/5 January 25, 2016. Supersedes Technical Service Bulletin Group 20 number 15-57 dated December 2, 2015 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3 Sedan	2015	122824 - 999999	With NVLD
A3 Cabriolet	2015	122835 - 999999	With NVLD
A3 Sedan	2016	All	With NVLD
A3 Cabriolet	2016	All	With NVLD
A4	2015	A106623 - A999999 N033840 - N999999	With NVLD
A4	2016	All	With NVLD
allroad	2015	110434 - 999999	With NVLD
allroad	2016	All	With NVLD
A5	2015	048918 - 999999	With NVLD
A5	2016	All	With NVLD
RS 5	2015	901489 - 999999	With NVLD
RS 5	2016	All	With NVLD
A5 Cabriolet	2015	008879 - 999999	With NVLD
A5 Cabriolet	2016	All	With NVLD
Q5	2015	111805 - 999999	With NVLD
Q5	2016	All	With NVLD
A6, A7	2016	009519 - 999999	With NVLD
RS 7	2016	900126 - 999999	With NVLD
A8	2015	033270 - 999999	With NVLD
A8	2016	All	With NVLD

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Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
5	-	Revised *Service* (Completely revised)
4	12/2/2015	Revised header data (Added engines)
3	10/29/2015	Revised header data (Corrected Elsa display issue)

- MIL on.
- **DTC P045600** (EVAP System Leak Detected NVLD (very small leak)) is stored in the engine control module (ECM), J623 (address word 01).
- Drivability is not affected.

Technical Background

Various parts have been replaced under warranty for the condition noted above, but no issues were identified with these parts. In an effort to gain information, we are asking that you contact the Audi Technical Assistance Center (TAC) before replacing any parts. This will assist us in diagnosing any potential issues with the condition noted above.

Production Solution

No changes to production have been made, as no issue has been identified.

Service

Audi of America is requesting your cooperation in supplying us with technical information regarding this condition.

1. Ensure that the gas cap was tight.
2. Verify that the DTC is present.
3. Perform following initial test:
   a. Calibrate tester KLI9210 to 0.02 inch port with 14 inch/water as described on tester. Set marker to this position and take a picture.
   b. Block off the filter port on NVLD sensor.
   c. Connect the tester to vehicle and pressurize the system (3-5 minutes):
   - If float is floating, take a picture and attach it to the TAC contact.
   - If float is at the bottom, perform new calibration to 0.02 inch port with 28 inch/water. Set marker to new positon and take picture.

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d. Reconnect to vehicle and pressurize system (3-5 minutes):
   - If float is floating, take a picture and attach it to the TAC contact.
   - If float is at the bottom, turn the knob on the tester to “Hold” and record the amount of time (minutes, seconds) it takes the pressure to drop from 28 inch/water to 20 inch/water.

4. Contact a TAC consultant with results.

Warranty

This TSB is informational only and not applicable to any Audi warranty.

Additional Information

All parts and service references provided in this TSB (2042166) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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