



Technical Service Bulletin

01 MIL on (DTC P2440(00) and/or P2442(00))

01 16 88 2040403/4 November 28, 2016. Supersedes Technical Service Bulletin Group 01 number 16-73 dated August 10, 2016 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S4	2011 - 2015	All	3.0T engine
S5	2013 - 2015	All	3.0T engine
S5 cabriolet	2011 - 2015	All	3.0T engine
A6	2012 - 2015	All	3.0T engine
A7	2012 - 2015	All	3.0T engine
A8	2013 - 2015	All	3.0T engine
Q5, SQ5	2013 - 2015	All	3.0T engine
Q7	2011 - 2015	All	3.0T engine

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Added model year 2015
3	09/10/2016	Revised <i>Required Parts and Tools</i> (Added seal)
2	05/03/2016	Revised <i>Required Parts and Tools</i> (Added gasket and nut)

- MIL on.
- One or both of the following DTCs are stored in the engine control module, J623 (address word 0001):
 - **DTC P2440(00)** (Secondary air injection system switching valve stuck open bank1)
 - **DTC P2442(00)** (Secondary air injection system switching valve stuck open bank2)

Technical Background

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One of two scenarios can cause this condition:

- **Scenario A:** One of the combi valves is defective.
- **Scenario B:** The vacuum solenoid is defective.

Production Solution

Updated combi valves and vacuum solenoid.

Service

1. Before performing any repair, determine if Scenario A or Scenario B is causing the condition.

Scenario A is the cause if:

- One *or* both of the DTCs listed in the *Condition* is stored.
- The bit for MIL on shows “1” for one DTC only (Figure 1).

**Secondary Air Injection System Switching Valve
Stuck Open Bank1 (P244000)**

passive/sporadic

17617

11101000

A

**Secondary Air Injection System Switching Valve
Stuck Open Bank2 (P244200)**

passive/sporadic

17617

01101000

B

Figure 1. In this example, both DTCs are stored. The bit for MIL on with DTC P244000 (A) shows “1”, which means this DTC caused the MIL to illuminate. The bit for MIL on with DTC P244200 (B) shows “0”, which means it did not cause the MIL to illuminate.

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Scenario B is the cause if:

- Both of the DTCs listed in the *Condition* are stored.
- The DTCs were stored at the same time.
- The bit for MIL on shows “1” for both DTCs.

Secondary Air Injection System Switching Valve
Stuck Open Bank1 (P244000)
passive/sporadic
17617
11101000
A

Secondary Air Injection System Switching Valve
Stuck Open Bank2 (P244200)
passive/sporadic
17617
11101000
B

Figure 2. In this example, both DTCs are stored. The bit for MIL on shows “1” for both DTCs (A and B).

2. Depending on which scenario is present, replace the defective part:

For Scenario A:

- Replace the combi valve of the bank with the DTC that caused the MIL to illuminate.

For Scenario B:

Replace the vacuum solenoid valve that controls both of the combi valves.

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:	2640
Damage Code:	0010
Labor Operations:	For Scenario A:



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	Combi-valve remove + reinstall	2640 19XX	See Elsa
	For Scenario B:		
	Vacuum solenoid remove + reinstall	2433 1999	20 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 30 TU)
	Road test prior to service procedure	No allowance	0 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)		
Claim Comment:	As per TSB # 2040403/4		

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

Part number	Part Description	Quantity
06E131101K or 06E131102K	Combi valve	1
037906283C	Vacuum solenoid valve	1
8K0253115A	Gasket	2
N 91130802	Shouldered hex. nut	6



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06E131120B	Seal	1
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Additional Information

All parts and service references provided in this TSB (2040403) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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