

# Technical Service Bulletin



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

01 16 73 2040403/3 August 10, 2016. Supersedes Technical Service Bulletin Group 01 number 16-62 dated May 3, 2016 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S4	2011 - 2014	All	3.0T engine
S5	2013 - 2014	All	3.0T engine
S5 Cabriolet	2011 - 2014	All	3.0T engine
A6	2012 - 2014	All	3.0T engine
A7	2012 - 2014	All	3.0T engine
A8	2013 - 2014	All	3.0T engine
Q5, SQ5	2013 - 2014	All	3.0T engine
Q7	2011 - 2014	All	3.0T engine

## Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Required Parts and Tools</i> (Added seal)
2	5/3/2016	Revised <i>Required Parts and Tools</i> (Added gasket and nut)
1	4/15/2015	Initial publication

- MIL on.
- One or both of the following DTCs are stored in the engine control module, J623 (address word 01):
  - **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

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).

### 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.

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.

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## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• 110 up to 48/50</li> <li>• G10 for CPO covered vehicles – verify owner</li> <li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li> </ul>		
<b>Service Number:</b>	2640		
<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	<b>For Scenario A:</b>		
	Combi-valve remove+reinstall	2640 19XX	See Elsa
	<b>For Scenario B:</b>		
	Vacuum solenoid remove+reinstall	2433 1999	20 TU
<b>Diagnostic Time:</b>	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)		
<b>Claim Comment:</b>	As per TSB # 2040403/3		

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
06E131120B	Seal	1

## 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.