

Technical Service Bulletin



01 MIL on due to lambda sensor malfunction

01 15 40 2014825/4 August 19, 2015. Supersedes Technical Service Bulletin Group 97 number 08-29 dated December 22, 2008 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2005 - 2007	All	W12 engine

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised header data (Added customer code; added DTCs) Revised <i>Warranty</i> (Updated Claim Type)
3	12/22/2008	Revised Title to add Repair Group

- MIL on.
- One of the following DTCs is stored in the engine control module, J623 (address word 01):
 - **DTC P2237** (O2 Sensor Positive Current Control Circuit Bank 1 Sensor 1 Open),
 - **DTC P2240** (O2 Sensor Positive Current Control Circuit Bank 2 Sensor 1 Open),
 - **DTC P2626** (Linear Lambda Probe, Exhaust Bank 1/ Balance Wire Pump Current, Open),
 - **DTC P2629** (Linear Lambda Probe, Exhaust Bank 2/ Balance Wire Pump Current, Open),
 - **DTC P3148** (Exhaust Bank 3, Sensor 1 Heater Control at Upper Limit),
 - **DTC P3150** (Exhaust Bank 4, Sensor 1 Heater Circuit Control at Lower Limit),
 - **DTC P3161** (Linear Lambda Probe, Exhaust Bank 1/ Balance Wire Pump Current, Open),
 - **DTC P3162** (O2 Sensor Pumping Current Trim Circuit/ Open Bank 2, Sensor 1),
 - **DTC P3163** (O2 Sensor Pumping Current Trim Circuit/ Open Bank 3, Sensor 1),
 - **DTC P3164** (O2 Sensor Pumping Current Trim Circuit/ Open Bank 4, Sensor 1),
 - **DTC P3255** (Bank 1, Oxygen Sensor Before Catalytic, Heater Circuit Regulation at Upper Impact),
 - **DTC P3257** (P3257, Bank 2, Oxygen Sensor Before Catalytic, Heater Circuit Regulation at Upper Stop),
 - **DTC P3278** (Linear Lambda Probe, Exhaust Bank 3/ Pump Current Open),
 - **DTC P3268** (Linear Lambda Probe, Exhaust Bank 2/ Pump Current Open),
 - **DTC P3288** (Linear Lambda Probe, Exhaust Bank 4/ Pump Current Open).

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Technical Background

Faulty lambda sensor and/or resistance on the electrical contacts for lambda sensor wiring.

Production Solution

Not applicable.

Service

1. Replace the lambda sensor that triggered the fault memory entry.
2. Solder the electrical contacts for all lambda sensors to their respective wires (engine harness side only) by performing the procedure below:
 - a. Disconnect engine harness from sensor (Figure 1).



Figure 1. Lambda sensor connector.

- b. Remove secondary lock from connector (Figure 2).

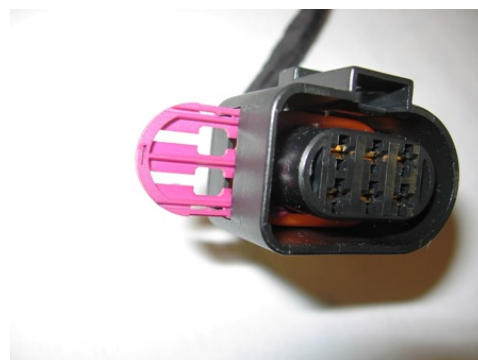


Figure 2. Secondary lock, shown partially removed from the lambda sensor connector.

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- c. Remove contact from connector using VAS 1978/4A tool (Figure 3).

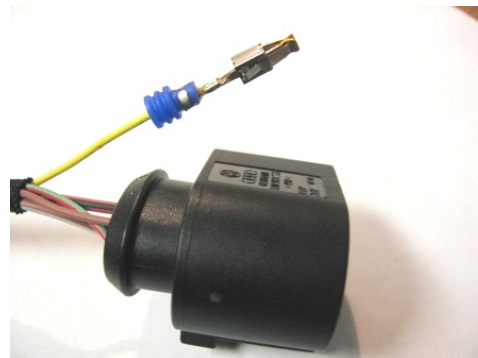


Figure 3. Contact, shown removed from connector.

- d. Solder crimp connection while making sure solder area is clean, is heated thoroughly, and that an appropriate amount of solder is used (Figure 4).

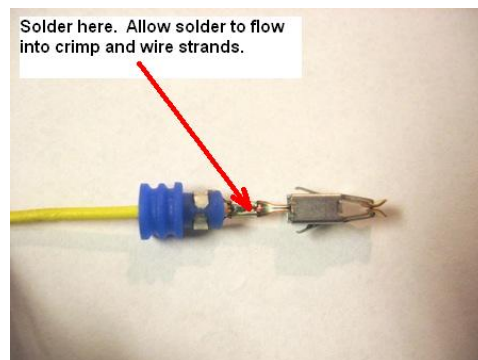


Figure 4. Location to solder.

- e. Allow contact to cool. Reinstall contact with secondary lock and reconnect to sensor (Figure 5)



Figure 5. Sensor, reconnected.

3. Perform the procedure one contact and one sensor at a time until all contacts for the lambda sensors are soldered.

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Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9713		
Damage Code:	0021		
Labor Operations:	Engine compartment wiring repair	9713 9999	200 TU
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 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 #2014825/4		

Required Parts and Tools

Part Number	Part Description	Quantity
See ETKA	Lambda sensor	As needed
VAS 1978/4A	Contact removal tool	1

Additional Information

All parts and service references provided in this TSB (2014825) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.