Technical Service Bulletin

01 MIL on (DTC P310E and/or P040B)

01 14 66 2030665/2 February 18, 2014. Supersedes Technical Service Bulletin Group 26 number 12-13 dated August 31, 2012 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q7	2012	All	TDI clean diesel

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
2	-	Revised title Revised header (Added DTCs; added customer code) Revised *Technical Background* (Moved background information from *Service* to *Technical Background*)
1	08/31/2012	Initial publication

- MIL on.
- The following DTCs are stored in the engine control module, J623 (address word 01):
  - **DTC P310E/P310E00** (Exhaust gas recirculation cooler bypass valve 2 implausible signal)
  - **DTC P040B/P040B00** (Exhaust gas recirculation temperature sensor “A” circuit range/performance)

Technical Background

The quality of the auxiliary exhaust gas recirculation (EGR) cooler modules manufactured within a certain timeframe may be inadequate. The vacuum actuator diaphragm may have leaks.

A faulty auxiliary EGR cooler will trigger a P310E fault. Faulty operation of the auxiliary EGR cooler can also trigger the P040B fault, but there is no issue with the temperature sensor.

Production Solution

New engine design.

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Service

1. Replace the auxiliary EGR cooler (**059131512Q**) (Figure 1) according to the instructions in Elsa at *Repair Manual >> Engine >> Engine Mechanical >> 26 Exhaust System, Emission Controls >> Removal and Installation >> Exhaust Gas Recirculation Cooler*.

   Note:

   Verify the proper operation of the vacuum diaphragm of the replacement part before installation.

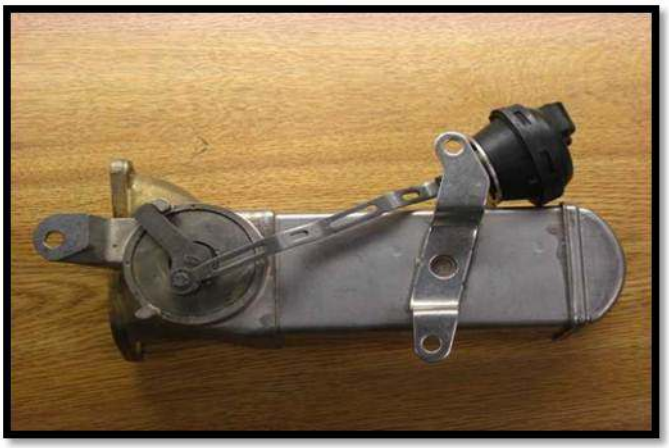


Figure 1. *Auxiliary EGR cooler.*

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2643		
Damage Code:	0050		
Labor Operations:	EGR cooler remove+reinstall	2643 1947	420 TU
Diagnostic Time:	GFF	0150 0000	20 TU
	Road test prior to service procedure	0121 0002	10 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 #2030665/2		

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.

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Required Parts and Tools

Part Number	Part Description	Quantity
059131512Q	Auxiliary EGR Cooler	1

Additional Information

All parts and service references provided in this TSB (2030665) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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