

#### 01 MIL on (DTC P2457) stored in ECM

01 18 53 2050258/1 February 12, 2018.

Model(s)	Year VIN Range		Vehicle-Specific Equipment	
A3	2010 - 2013	All	TDI	

## Condition

**Customer statement:** 

• MIL on

#### Workshop findings:

The following DTC may be stored in the engine control module (ECM), J623 (address word 0001):

• DTC P2547 (Exhaust Gas Recirculation Cooler Efficiency Below Threshold)

## **Technical Background**

A reduction of flow inside the heater core will lead to reduced flow through the EGR cooler. This reduced flow can cause the fault P2457 to set in the ECM.

### U Note:

Do not perform additional diagnosis for this fault before performing the service procedure.

## **Production Solution**

The 2.0L TDI (CBEA) engine is no longer produced.

### **Service**

#### P2457 Exhaust Gas Recirculation Cooler Efficiency Below Threshold:

If the vehicle has fault P2457 check the inlet and outlet side temperature of the EGR cooler and the heater core. If there is a substantial difference in the temperature, flush the cooling system using the procedure below before replacing the heater core.

#### Cooling system cleaning procedure:

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In order to restore the cooling system to normal specification the coolant must be removed with the following procedure to remove the contaminants and restore the coolant to the proper PH level and coolant percentage for optimal protection.

## U Note:

It is necessary to remove all hoses described in the Elsa repair procedure steps when draining the cooling system. Replacing only the heater core will result in the vehicle returning with the same condition. It is essential to perform the coolant flushing procedure.

- 1. Drain the coolant per Repair Manual, Engine >> Engine Mechanical >> Repair Group 19 Cooling System >> General Information >> Cooling System, Draining and Filling.
- 2. Refill cooling system using a 50/50 mixture of coolant & distilled water.
- 3. Start engine and bring to operating temperature. Let engine idle for 5 minutes.
- 4. Repeat step 1 and drain coolant per Repair Manual, *Engine >> Engine Mechanical >> Repair Group 19 Cooling System >> General Information >> Cooling System, Draining and Filling.*
- 5. Replace heater core according to the Repair Manual, *Heating Ventilation and Air Cond >> 87-Air Conditioning >> Heater Core of A/C Unit (Heater), Removing and Installing.*
- 6. Refill cooling system using a 50/50 mixture of coolant & distilled water.

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## Warranty

Claim Type:	<ul> <li>110 up to 48 Months/50,000 Miles.</li> </ul>				
	G10 for CPO Covered Vehicles – Verify Owner.				
If vehicle is outside any warranty, this Technical Service Bulletin is infor only.					
Service Number:	8023				
Damage Code:	0016				
Labor Operations:	Coolant drain + fill	1938 1737	90 TU		
	Radio remove + reinstall	9130 1900	30 TU		
	Control remove + reinstall	8704 1950	30 TU		
	Console remove + reinstall	6817 1903	90 TU		
	Heater core remove + reinstall	8023 1950	190 TU		
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on diagnostic protocol (Max 40 TU)		
	Road test prior to service procedure	No allowance	0 TU		
	Road test after service procedure	0121 0004	10 TU		
Claim Comment:	As per TSB #2050258/1				

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
1K0 819 031 E	Heater core	1
G A13 A8J M1	Coolant concentrate (1.5ltr.)	8

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## **Additional Information**

All parts and service references provided in this TSB (2050258) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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