

Technical Bulletin



Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Golf, Jetta (A4), New Beetle	1999 - 2001	2.0L (AEG)	All	All	All
GTI	1999 - 2000	2.0L (AEG)	All	All	All

Condition

26 07 04 May 14, 2007 2010464 Supersedes T. B. Group 26 number 07-03 dated May 8, 2007 due to change in DTC description in DTC table.

MIL is ON and/or Catalytic Converter is Rattling

MIL is ON, DTC P0422 is stored and/or catalytic converter rattling.

DTC	Description
P0422	Main Catalyst Efficiency Below Threshold, Bank 1

Technical Background

The expansion mat in the original part can erode prematurely, causing the converter to rattle and/or MIL ON. A new part was designed to fix this concern.

Production Solution

Repair identified after production was completed.

Service

The above condition **MAY be covered by the Catalytic Converter Limited Extended Warranty**, see Warranty Policies and Procedure Manual.

Prior to replacing a catalytic converter under the Catalytic Converter Limited Extended Warranty, perform the following procedure:

- Check the engine oil level.

Oil level **MUST** be correct.

- If overfilled, level should be adjusted to the proper level prior to continuing.

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Adjusting oil level is **NOT covered by Warranty**.

Is Catalytic Converter Rattling?

- Inspect the catalytic converter for a broken or deteriorated monolith (honeycombed interior element).

If catalytic converter is NOT rattling:

- Go to **Interrogating DTC memory** (below).

If catalytic converter is rattling:

- Visually inspect vehicle underbody to ensure that converter was not damaged from outside influence such as dented converter housing, etc.

If signs of external damage to catalytic converter exist:

The cost of replacement catalytic converter is **NOT covered by warranty**.

- Continue to **Interrogating DTC memory** (below).

Interrogating DTC Memory

- Interrogate Diagnostic Trouble Code (DTC) memory (**DO NOT** erase DTCs).

Required Documentation

- For **Analysis and Warranty** purposes, you **MUST** make (and store) print-outs of the DTC memory, including:

Address 01 fault memory including ECM information.

“OBD” freeze-frame modes 2 and 6.



Tip:

For OBD, see [ElsaWeb, Repair Manual - Fuel Injection & Ignition 2.0 Liter 4-Cyl. 2V Generic Scan Tool](#).

Steps for printing “OBD” from the touch screen:

- Select “OBD” .
- Select “mode 2”.
- Select all PIDS displayed (use scroll bar if necessary) .
- Select right arrow key to display results.
- Select “print”, then save result.
- Save results for modes 2 and 6.

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- Print self diagnosis log.

Address 01 Measuring Value Block (MVB) 46.



Tip:

The DTC codes present will need to be erased before the test will run in MVB 46.

Is DTC P0422 (Main Catalyst Efficiency Below Threshold, Bank 1) Stored?

- Check if DTC P0422 (Main Catalyst Efficiency Below Threshold, Bank 1) is stored.
- Check if DTCs from Table are stored.

P0131	P0132	P0133	P0134	P0135	P0137
P0138	P0139	P0140	P0141	P0171	P0172
P0300	P0301	P0302	P0303	P0304	P1127
P1128					

If catalytic converter is NOT rattling and:

DTC P0422 and any DTC(s) from Table are stored:

- Proceed to **“DTCs in table are stored”** (see below).

If catalytic converter is rattling and:

Any DTC(s) from table stored:

- Proceed to **“DTCs in table are stored”** (see below).

If catalytic converter is NOT rattling and:

P0422 is the only DTC stored:

- Proceed to **“Replace catalytic converter”** (see below).

If catalytic converter is rattling and:

P0422 is the only DTC stored.

No DTCs are stored:

- Proceed to **“Replace catalytic converter”** (see below).

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DTCs in table are stored:

The reason for DTC(s) from Table MUST be corrected (**possibly at customer expense**) prior to potential catalytic converter replacement.

With other DTC(s) corrected:

If catalytic converter is rattling:

- Proceed to “**Replace catalytic converter**” (see below).

If catalytic converter is NOT rattling:

- Erase all DTC(s) and set readiness code.

If complete readiness code cannot be set due to the catalyst diagnosis monitor in display group 46 not resetting:

- Proceed to “**Replace catalytic converter**” (see below).

If complete readiness code can be fully set:

- Return vehicle to the customer without replacing catalytic converter.

If vehicle was returned to the Customer (without converter replacement) and Customer returns with DTC P0422 stored again:

- Proceed to “**Replace catalytic converter**” (see below).

Replace catalytic converter

- Erase all DTC(s) and set readiness code.

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Warranty

Catalytic Converter Limited Extended Warranty:

- For Details, see Warranty Policies and Procedure Manual.

Required Parts and Tools

When replacing any catalyst, your VIN may be required to ensure the correct part is ordered (check with your Parts Dept.).

Parts submission:

If catalytic converter is on parts submission:

- Attach copies of all supporting documentation (including print-outs) required when sending parts to Warranty Test Center.



Tip:

Claims for Catalytic Converters (which are on submission) that are shipped to the Warranty Test Center without print-outs (including freeze frame data) may be denied.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.