



**Important!**

Please give copies to all  
your VW Technicians

# Technical Bulletin

Subject: **Catalytic Converter, Replacement Guidelines**

Group: **26**

Number: **05-02**

Model(s): **All Gasoline Engines** 1999 ▶ 2006  
**EXCEPT 2.0L with AEG Engine Code** 1999 ▶ 2001

Date: **Sept. 27, 2005**

## Condition

Catalyst efficiency faults stored in memory  
(See page 3).

## Service



**Tip:**

*Oil level **MUST be correct**, if overfilled, level should be adjusted to the proper level prior to performing procedure.*

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

*Exhaust system damage from outside influences is **NOT covered by Warranty**.*

The following steps are to be followed before replacement of catalytic converters.

- ◆ Inspect complete exhaust system for broken or missing components, loose clamps, ect. Repair as necessary.
- ◆ If vehicle has MIL ON, investigate fault memory **without** erasing codes.
- ◆ **Before performing any repair**, make a print out of fault memory including:
  - Address 01 fault memory (including ECM information)
  - Address 01 Measuring Value Block 46 (and 47, if applicable)



**Tip:**

*For 4 bank systems such as Phaeton W12, Display groups 46 and 47 must be printed out from addresses 01 and 11.*

- Address 33 freeze-frame mode 2, and 6.



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## Tip:

*For Address word 33, see Repair Manual - Fuel Injection & Ignition 2.0 Liter 4yl. 2V Generic Scan Tool Engine Code(s). AEG, AVH, AZG, BBW, BEV, ST-Generic Scan Tool*

- ◆ Steps for printing address 33 from the touch screen:
  - Select “Address 33”.
  - 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.
  - Print → self diagnosis log.

◆ **Do Not replace catalyst** if software updates related to catalyst are available. Check for applicable Technical Bulletins or Campaigns.

- Perform any applicable software updates available through Technical Bulletins or Campaigns.

◆ **If other faults related to fuel mixture, oxygen sensor or misfire are present:**

**DO NOT** replace catalyst(s).

- Correct condition, erase DTCs, reset readiness codes and monitor measured value block (MVB) in 46, 47 until complete (“Test OK or Test n OK”).

◆ If after repair of other faults, diagnostic result in MVB 46 (and 47, if applicable) is/are OK:

**DO NOT** replace catalyst(s).

- ◆ If after repairing other fault codes and setting readiness code, and any fault codes in the table return:



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- Replace catalyst(s) as necessary, using applicable SRTs.
- ◆ If software updates do not apply, and only one or more of the following fault codes (DTCs) are present (see table below):

DTC	Description
P0420	Catalyst System, Bank 1 Efficiency Below Threshold
P0421	Warm Up Catalyst, Bank1 Efficiency Below Threshold
P0422	Main Catalyst, Bank1 Efficiency Below Threshold
P0430	Catalyst System, Bank2 Efficiency Below Threshold
P0431	Warm Up Catalyst, Bank2 Efficiency Below Threshold
P0432	Main Catalyst, Bank2 Efficiency Below Threshold
P3298	Catalyst System, Bank 3 Efficiency Below Threshold
P3299	Catalyst System, Bank 4 Efficiency Below Threshold

- Replace catalytic converter, erase DTCs and reset readiness code.
- ◆ If DTC text indicates bank 2, bank 3, bank 4:  
**Verify catalyst location** before replacement, see Service Manual repair group 26. Use applicable SRTs.

If any assistance is needed please contact Volkswagen Dealer Technician Helpline at (1-800-678-2389).

## Parts:

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

## Required Documentation:

- Before repairing vehicle or erasing fault codes (DTCs) remember to make print-outs including freeze-frame data as required and attach to the repair order.



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## Parts Submission:

If catalytic converter is on parts submission:

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

<b>When procedure applies to vehicles within applicable Warranty as listed below, use the following:</b>	
<b>Claim Type:</b>	<b>W2, E1, E2</b>
<b>Part Identifier:</b>	<b>2673</b>
<b>Part Identifier: Pre-catalyst - Phaeton and Touareg</b>	<b>2670</b>
<b>Damage Code:</b>	<b>2673 16 xxx 2</b>
<b>Damage Code: Pre-catalyst - Phaeton and Touareg</b>	<b>2670 16 xxx 2</b>
<b>Labor Operation:</b>	<b>2673 9999 Maximum A-time allowed 80 TU</b>
<b>Labor Operation: Pre-catalyst - Phaeton and Touareg</b>	<b>2670 9999 Maximum A-time allowed 80 TU</b>
<b>Diagnostic Time:</b>	<b>No Diagnostic Time Allowed</b>
<b>Claim Comment: Type "As per Technical Bulletin V260502" in comment section of Warranty Claim</b>	

xxx) Use appropriate vender code.