



How to change manual  
gearbox oil on **VW**

**Phaeton (3D1, 3D2, 3D3,  
3D4, 3D6, 3D7, 3D8, 3D9)**  
– replacement guide

### SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

#### **ⓘ Important!**

This replacement procedure can be used for:

VW Phaeton (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9) 6.0 W12 4motion, VW Phaeton (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9) 3.2 V6, VW Phaeton (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9) 5.0 V10 TDI 4motion, VW Phaeton (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9) 4.2 V8 4motion, VW Phaeton (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9) 3.2 V6 4motion, VW Phaeton (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9) 3.0 V6 TDI 4motion, VW Phaeton (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9) 3.6 V6 4motion

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Transporter T4 Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 2.5 TDI

REPLACEMENT: MANUAL GEARBOX OIL – VW  
 PHAETON (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9).  
 TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- HEX bit No.H17.
- Impact socket №12
- Torque wrench
- Phillips screwdriver
- Funnel
- Oil drain pan
- Fender cover

**Buy tools**

Replacement: manual gearbox oil – VW Phaeton (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9). Tip from AUTODOC experts:

- All work should be done with the engine stopped.

## REPLACEMENT: MANUAL GEARBOX OIL – VW PHAETON (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9). RECOMMENDED SEQUENCE OF STEPS:

**1** Open the hood.

**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

**3** Lift the car using a jack or place it over an inspection pit.

### AUTODOC recommends:

- The vehicle must be on even keel, and if it is at an angle, the drain plug must be at the lowest point.

**4** Undo the fasteners of the oil pan lower cover. Use a drive socket #12. Use a Phillips screwdriver.



**5** Remove the oil pan cover.



**6.1** Clean the area around the gearbox housing filler hole.



**6.2** Clean the area of the oil pan drainage hole. Use a wire brush. Use WD-40 spray.



**7** Put a waste oil container with at least 3 l capacity under the drainage hole.



**8** Unscrew the drain plug. Use HEX No.H17.



**9** Drain the used oil.



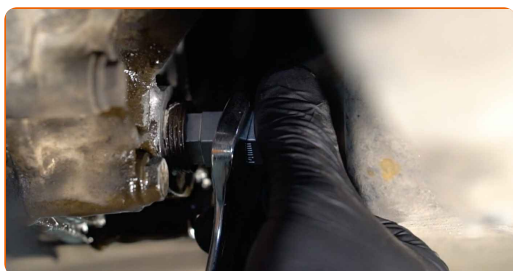
Replacement: manual gearbox oil – VW Phaeton (3D1, 3D2, 3D3, 3D4, 3D6, 3D7, 3D8, 3D9). Professionals recommend:

- Caution! The oil may be hot.

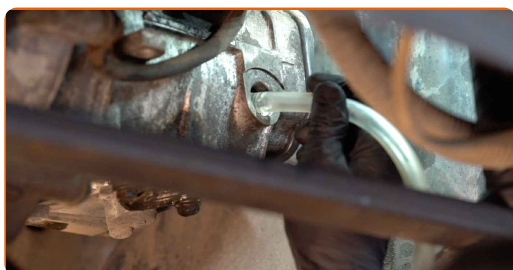
**10** Unscrew the filler plug of the gearbox housing. Use HEX No.H17.



**11** Screw in the new drainage plug and tighten it. Use HEX No.H17. Use a torque wrench. Tighten it to 29 Nm torque.



**12** Insert the funnel.



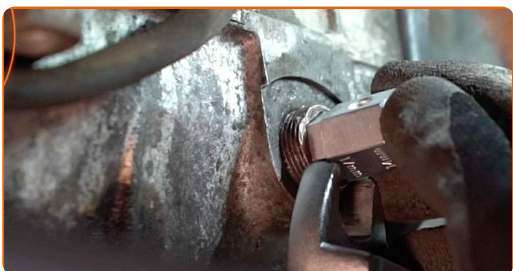
**13** Pour the oil into the gearbox through the filler hole.



**AUTODOC recommends:**

- Use the oil recommended by the manufacturer.

**14** Screw in the filler plug of the gearbox housing. Use HEX No.H17. Use a torque wrench. Tighten it to 29 Nm torque.



**15** Clean the area around the gearbox housing filler hole. Use all-purpose cleaning spray.



**16** Reinstall the oil pan lower cover.



**17**

Tighten the fasteners of the oil pan lower cover. Use a drive socket #12. Use a Phillips screwdriver. Lower the car.

**18**

Remove the fender protection cover.

**19**

Close the hood.

**WELL DONE!** 

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