

## Screeching Noise From The Engine During Warm-up

Vehicle Type: **Boxster (987)/Boxster S (987)**

Model Year: **As of 2005 up to 2006**

Concerns: **Engine**

Situation: **Clearly perceptible noise (screeching) from the engine in the warm-up phase**

A noise (screeching) can be heard from the engine at around 2,000 rpm during the engine warm-up phase.

In many cases, the noise is an indication that the engine or oil pump has been changed.

The noise is caused by the control piston in the oil pump.



### Note

Action

Required: In the event of a complaint, a **modified control piston** must be installed in the oil pump cover.

Date of Introduction: Engines manufactured since December 5, 2005 as of engine numbers:

M96.25 61 6 04763

M96.26 62 6 03668

Parts Info: **997.107.125.01** ⇒ New/control piston

996.107.123.50 ⇒ Seal

Work Procedure: 1 Remove cover for rear underbody ⇒ *Workshop Manual '519419 Removing and installing cover for rear underbody - section on "Removing"*

2 ⇒ *Figure 1 -Item 1-* shows the screw plug in the oil pump cover.

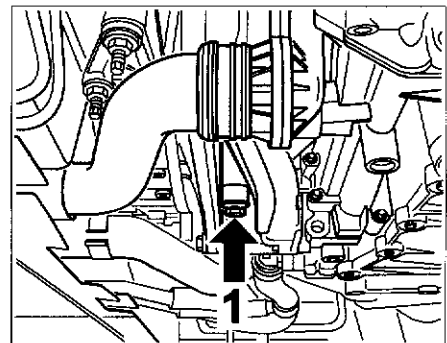


Figure 1

**ATTENTION**

Oil will run out (0.25 - 0.5 liters) when you remove the screw plug/control piston.

- ♦ Risk of oil get on you and the workshop floor.
- ⇒ Place a suitable container underneath to catch the oil.

**WARNING**

The contact surface in the oil pump cover can become damaged if an unsuitable tool is used for removing the control piston.

- ♦ Damage to the contact surface can cause the control piston to stick.
- ♦ This can reduce the oil pressure and damage the engine.
- ⇒ If the control piston does not come out of the oil pump cover by itself, pull it out carefully using a suitable extraction device.

- 3 Remove the control piston.
- 4 Lightly oil the **new** control piston and use a **new sealing ring**, Part No. 996.107.123.50 (⇒ *Figure 2-Item 2*).
- 5 Install the new control piston as shown in ⇒ *Figure 2*.
- 6 Tighten screw plug to **Tightening torque 50 (37 ftlb.) Nm**, contrary to instructions in the Technical Manual.
- 7 Install cover for rear underbody ⇒ *Workshop Manual '519419 Removing and installing cover for rear underbody - section on "Installing"*
- 8 Check engine oil level display in the instrument cluster and top up the oil if necessary ⇒ *Workshop Manual '170101 Checking engine oil level'*

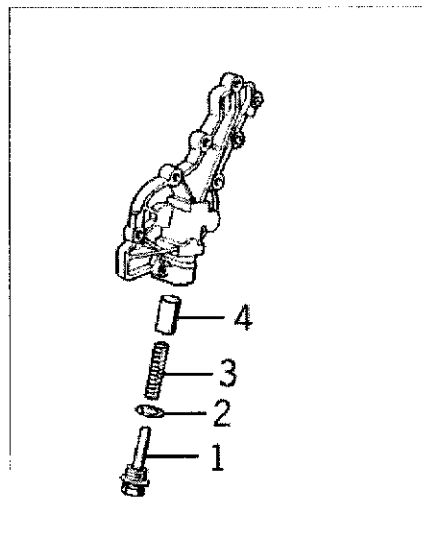


Figure 2

Working Time: 17 26 19 00: Removing and installing pressure-regulating valve

Labor time: **60 TU**

References: ⇒ *Workshop Manual '519419 Removing and installing cover for rear underbody'*

⇒ Workshop Manual '170101 Checking engine oil level'

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