

Message: "Warning Brake Fluid Level" - Replacing Sensor and Brake Fluid Reservoir (97/11)



Information

- Document with limited validity

This Quick Information is valid until further notice or until December 31, 2012.

Vehicle Type: **Cayenne/Cayenne S/Cayenne Turbo/Cayenne Diesel/Cayenne Hybrid**

Model Year: **As of 2011 up to 2012**

Concerns: **Brake fluid reservoir sensor**

Information: **"Warning Brake fluid level" in instrument cluster.**



Information

For precise **fault cause analysis** for the message **"Warning Brake fluid level"** in the instrument cluster, the parts will be requested.

Both parts, **sensor and brake fluid reservoir**, must be

- **replaced completely** and
- returned in their **original packaging**
- to **Porsche**.

Parts Info: 958.355.113.00 ⇒ Brake fluid reservoir (complete with sensor)

Work Procedure: 1 Open hood to service position. ⇒ *Workshop Manual '553119 Removing and installing front pneumatic spring - section on "Removing"*

2 Remove left cross panel. ⇒ *Workshop Manual '508119 Removing and installing cross panel - section on "Removing"*



Information

- Before disconnecting the brake lines, place a clean absorbent cloth underneath.
- Close off brake lines with a suitable plug immediately after disconnecting.

**Information**

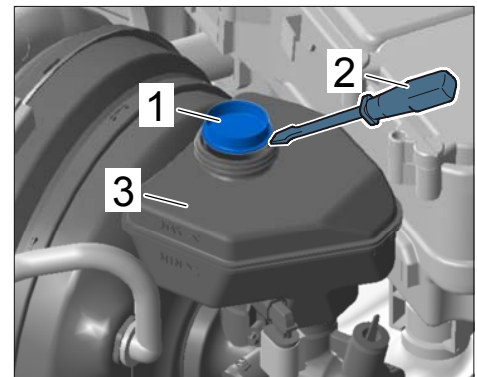
- In the event of assembly work at the hydraulic connections, all electric plug connections in the area of the connection point must always be connected. This prevents the inside of the plug connections from being splashed with brake fluid or water.
- Clean any plug connections that have become dirty or damp during removal and fitting using a lint-free cloth, for example.
- Brake fluid on electrical contacts (even thinned brake fluid) leads to corrosion and may cause faults in the system.
- Remove any escaping brake fluid immediately; rinse with water and dry thoroughly if necessary.

3 Release the sieve filter ⇒ *Sieve filter in brake fluid reservoir -1-* using a suitable tool ⇒ *Sieve filter in brake fluid reservoir -2-* and remove it from the brake fluid reservoir ⇒ *Sieve filter in brake fluid reservoir -3-*.

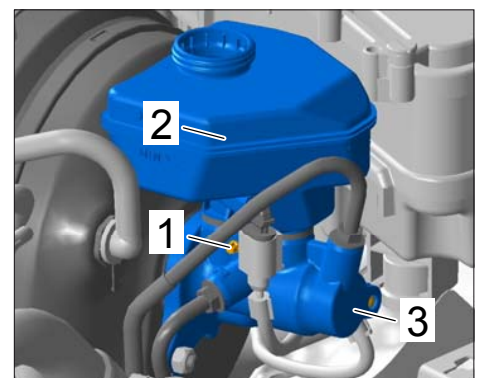
4 Drain the brake fluid from the brake fluid reservoir using a suitable tool, e.g. a double-action hand pump.

5 Removing brake fluid reservoir:

5.1 Loosen the fastening screw ⇒ *Fastening screw on brake master cylinder -1-* used to secure the brake fluid reservoir ⇒ *Fastening screw on brake master cylinder -2-* to the brake master cylinder ⇒ *Fastening screw on brake master cylinder -3-*.

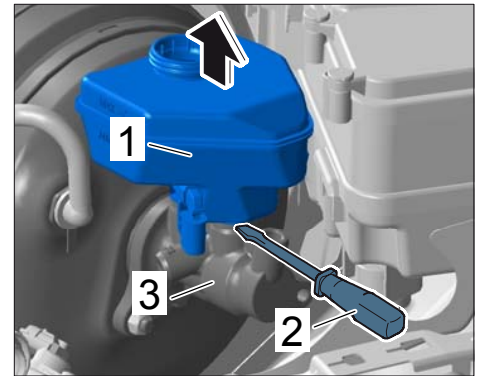


Sieve filter in brake fluid reservoir



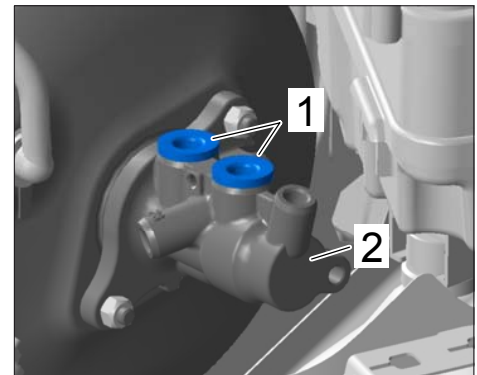
Fastening screw on brake master cylinder

- 5.2 Lever out the brake fluid reservoir ⇒ *Removing brake fluid reservoir -1-* using a suitable tool ⇒ *Removing brake fluid reservoir -2-* and remove it from the brake master cylinder ⇒ *Removing brake fluid reservoir -3-*.



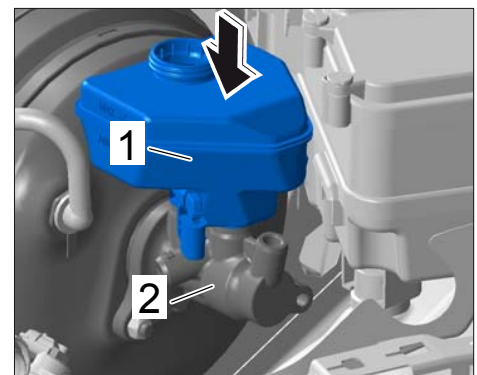
Removing brake fluid reservoir

- 6 Remove rubber seals ⇒ *Rubber seals on brake master cylinder -1-* from the brake master cylinder ⇒ *Rubber seals on brake master cylinder -2-* and replace them if necessary.
- 7 Installing **new** brake fluid reservoir:



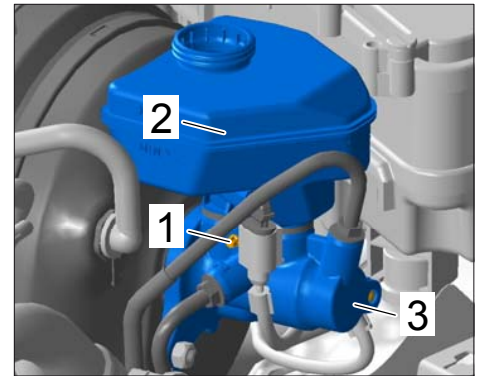
Rubber seals on brake master cylinder

- 7.1 Press the brake fluid reservoir ⇒ *Fitting brake fluid reservoir -2-* into the brake master cylinder ⇒ *Fitting brake fluid reservoir -2-* (⇒ *Fitting brake fluid reservoir -arrow-*).



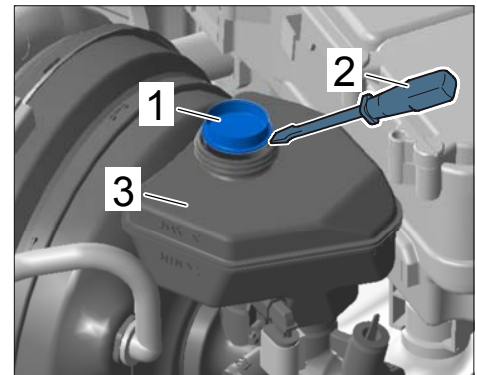
Fitting brake fluid reservoir

- 7.2 Fit the fastening screw ⇒ Fastening screw on brake master cylinder **-1-** used to secure the brake fluid reservoir ⇒ Fastening screw on brake master cylinder **-2-** to the brake master cylinder ⇒ Fastening screw on brake master cylinder **-3-**. ⇒ Workshop Manual '4X00IN Tightening torques for brake hydraulics'



Fastening screw on brake master cylinder

- 8 Insert the sieve filter ⇒ Sieve filter in brake fluid reservoir **-1-** into the brake fluid reservoir ⇒ Sieve filter in brake fluid reservoir **-3-**.
- 9 Install left cross panel. ⇒ Workshop Manual '508119 Removing and installing cross panel - section on "Installing"
- 10 Change the brake fluid. ⇒ Workshop Manual '470855 Changing brake fluid'
- 11 Close hood. ⇒ Workshop Manual '553119 Removing and installing front pneumatic spring - section on "Installing"



Sieve filter in brake fluid reservoir

End of remedial action.

Working Time:	47101950: Removing and installing brake fluid reservoir	Labor time: 17 TU
	50811951: Removing and installing cross panel	Labor time: 22 TU
	47085550: Changing brake fluid	Labor time: 56 TU

References: ⇒ Workshop Manual '508119 Removing and installing cross panel'
⇒ Workshop Manual '471519 Removing and installing brake master cylinder'

⇒ *Workshop Manual '470855 Changing brake fluid'*

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