

# Technical Bulletin

**Model**  
6 Cyl.

**Group**  
4

**Subject**

**Venting of the Brake Fluid Reservoir**

**Part Identifier**  
4710

**Number**  
9601

**ATTENTION: Service Manager / Service Technician**

**Models Affected:**

**911 Carrera 2/4 from Model Year 1989-on**  
**911 Carrera and Carrera 4 from Model Year 1995-on**  
**911 Turbo from Model Year 1991-on**

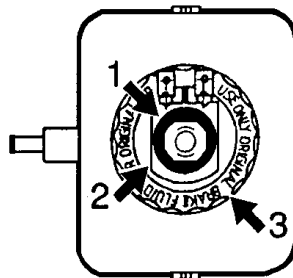
**General Information:**

The venting of the brake fluid reservoir is now done through the reservoir cap. The vent hose from the reservoir to the wheel well, the non-vented reservoir cap, and the vented reservoir have been deleted and are no longer available as spare parts. This change has been as of production date **October 4, 1995** from VINs:

**991 TS 320564 COUPE**  
**997 TS 340469 CABRIO**  
**990 TS 385080 TARGA**  
**99X TS 375640 TURBO**

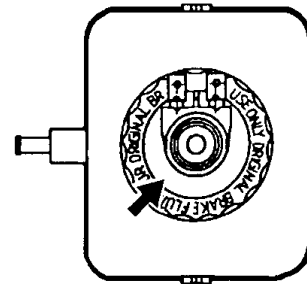
**Cap Identification:**

The vented reservoir cap and non-vented reservoir cap can be identified in the following manner.



The new vented cap is identified by:

1. Black ring with brake symbol.
2. White color in area of arrow 2.
3. White color (small reservoir cap).
3. Yellow color (large reservoir cap).



The non-vented cap is identified by:

Yellow color in the area of the arrow above. This cap has been deleted as a spare part.

**Important:**

**BRAKE FLUID RESERVOIRS WITHOUT A VENTING HOSE OR RESERVOIRS WITH A CLOSED VENT HOSE CONNECTION MUST HAVE A VENTED RESERVOIR CAP.**

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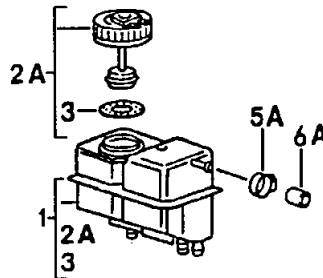
## Repair Procedures:

The following repairs will be divided into 2 repair procedures. Each procedure has 2 levels of repair.

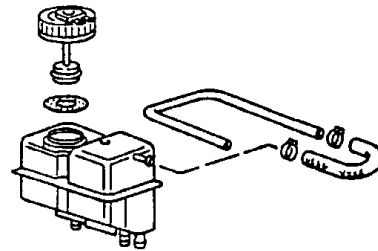
1. Vehicles with vacuum assisted power brakes.
  - A) Reservoir cap replacement only.
  - B) Reservoir and reservoir cap replacement.
2. Vehicles with hydraulic assisted power brakes.
  - A) Reservoir cap replacement only.
  - B) Reservoir and reservoir cap replacement.

## Repair Procedure 1:

### Vacuum Assisted Power Brakes



**New Reservoir & Cap**



**Old Reservoir & Cap**  
*No Longer Available*

ITEM	PART NUMBER	DESCRIPTION
1	964 355 017 05	Fluid reservoir (964) (includes 2A,3)
1	993 355 017 01	Fluid reservoir (993) (includes 2A,3)
2A	993 355 351 00	Reservoir cap (includes 3)
3	911 355 908 00	Seal
5A	999 512 069 02	Hose clamp
6A	993 355 331 00	Cap
----	999 703 421 40	Body plug

**When working on the brake system, be careful not to spill any brake fluid on painted surfaces. Brake fluid will damage the paint.**

### Vacuum Assisted Power Brakes A) Reservoir cap replacement only.

- Remove the old vent line from the reservoir and wheel well and discard. Remove the old reservoir cap and discard.
- Cap the vent fitting on the old reservoir with cap (6A) and secure the cap with hose clamp (5A).



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**Repair Procedure 1 Con't:**

- Install the body plug, part number 999 703 421 40, into the hole at the wheel well where the old vent line was previously installed. It will be necessary to remove the rear portion of the left inner fender liner to install the body plug.
- Top off the brake fluid level and install the new vented reservoir cap (2A).

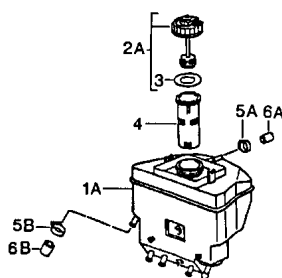
**Vacuum Assisted Power Brakes**

**B) Reservoir and reservoir cap replacement.**

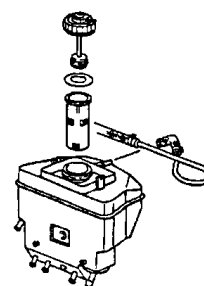
- Remove the old vent line from the reservoir and wheel well and discard. Remove the old reservoir cap and discard. Drain and remove the old reservoir.
- Install the new reservoir (1) cap (6A) and secure with clamp (5A).
- Install the body plug, part number 999 703 421 40, into the hole at the wheel well where the old vent line was previously installed. It will be necessary to remove the rear portion of the left inner fender liner to install the body plug.
- Top off the brake fluid level and reinstall the new vented reservoir cap (2A).

**Repair Procedure 2:**

**Hydraulic Assisted Power Brakes.**



**New Reservoir & Cap**  
**Hydraulic Assisted Brakes**



**Old Reservoir & Cap**  
**No Longer Available**

ITEM	PART NUMBER	DESCRIPTION
1A	964 355 113 51	Fluid reservoir (without 2A or 4)
2A	993 355 181 50	Reservoir cap (includes 3)
3	911 355 908 00	Seal
4	964 355 187 01	Insert
5A	999 512 069 02	Hose clamp
5B	999 512 055 02	Hose clamp
6A	993 355 331 00	Cap
6B	911 355 327 00	Cap
----	999 703 421 40	Body plug

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**Repair Procedure 2 Con't:**

**When working on the brake system be careful not to spill any brake fluid on painted surfaces. Brake fluid will damage the paint.**

**Hydraulic Assisted Power Brakes**

**A) Reservoir cap replacement only.**

- Remove the old vent line from the reservoir and wheel well and discard. Remove the old reservoir cap and discard.
- Cap the vent fitting on the old reservoir with cap (6A) and secure the cap with hose clamp (5A).
- Install the body plug part number, 999 703 421 40, into the hole at the wheel well where the old vent line was previously installed. It will be necessary to remove the rear portion of the left inner fender liner to install the body plug.
- Top off the brake fluid level and install the new vented reservoir cap (2A).

**Hydraulic Assisted Power Brakes**

**B) Reservoir and reservoir cap replacement.**

- Remove the old vent line from the reservoir to wheel well and discard. Remove the old reservoir cap and discard. Drain and remove the old reservoir.
- Install the new reservoir (1), cap (6A) and secure with clamp (5A).
- **On the America Roadster with Tiptronic Transmission and the 1996 911 Turbo, also install the cap (6B) and secure with clamp (5B).**
- Install the body plug, part number, 999 703 421 40 into the hole at the wheel well where the old vent line was previously installed. It will be necessary to remove the rear portion of the left inner fender liner to install the body plug.
- Fill the brake reservoir with brake fluid, reinstall the insert (4) and new vented reservoir cap (2A).

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Service & Parts Publications.



# SERVICE

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