

WE04 - Replacing Return Line for Clutch Master Cylinder (Workshop Campaign)

Vehicle Type: **911 Carrera (991)/911 Carrera S (991)
911 Carrera 4 (991)/911 Carrera 4S (991)**

Model Year: **2013**

Equipment: 7-speed manual transmission (I-no. 487)

Concerns: **Clutch master cylinder return line**

Information: This is to inform you of a voluntary Workshop Campaign on the above-mentioned vehicles. **A return line for the clutch master cylinder that does not meet the required specifications was installed in the affected vehicles.**

As a result, there is a possibility that brake fluid may leak out at the return line connection to the reservoir and the message "Warning Brake fluid level" may be activated in the multi-function display.

Action Required: Replace return line on the clutch master cylinder.

Affected Vehicles: The VIN(s) can be checked by using PIWIS Vehicle Information link to verify if the campaign affects the vehicle. This campaign is scope specific to the VIN! Failure to verify in PIWIS may result in an improper repair. This campaign affects 887 vehicles in North America.

Work Procedure: See Attachment "A".

Claim Submission: See Attachment "B".

Parts Info: **NOTES:**
1. Only Part number 000.043.110.41 for left-hand drive vehicles will be automatically allocated for up to 50% of the vehicles that are serviced at your dealership. Once you are out of stock and need additional parts, please submit a PTEC/PAV.
2. Part number 000.043.110.42 for right-hand drive vehicles, if required, must be ordered via a PTEC/PAV.
3. Part number 000.043.203.66, brake fluid, should be ordered through normal channels.

Part No.	Designation	Qty. (ea.)	Version	
			LHD I-no. 098	RHD I-no. 099
000.043.110.41	⇒ Intake pipe for clutch master cylinder	1	■	
000.043.110.42	⇒ Intake pipe for clutch master cylinder	1		■
000.043.203.66	⇒ Brake fluid	1	■	■

- Special Tools:
- **9781 - Bleeding tool**
 - **VAS 6860 - Brake filling and bleeding equipment**

CAUTION

Increased risk of accidents when working with brake fluid.

- Possible danger of damage or injury.
 - Brake fluid on electrical contacts (even thinned brake fluid) leads to corrosion and may cause faults in the system.
- ⇒ Wear protective goggles and gloves.
- ⇒ IMMEDIATELY remove any escaped brake fluid. CAREFULLY rinse again with water and dry if necessary. Look out for fuse carrier!

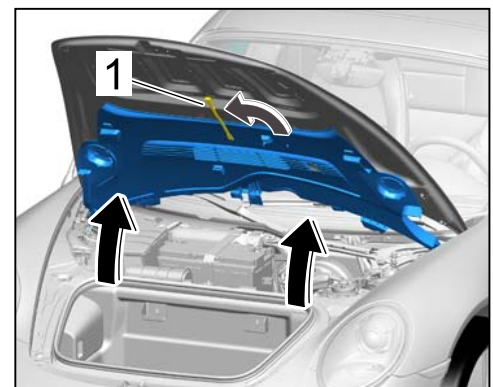
Attachment "A": **Work Procedure**

1 Preliminary work.

- 1.1 Unclip cover ⇒ *Cover in service position -1-* at the left and right, lift it up and engage the yellow support in the front lid ⇒ *Cover in service position -arrows-*.
- 1.2 Place sufficient cleaning cloths in the area around the reservoir and clutch master cylinder.

2 Replace return line for clutch master cylinder.

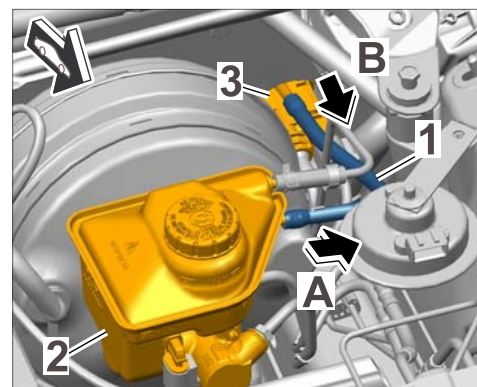
- 2.1 Before pulling off the return line at the reservoir, position a suitable collection container underneath the adapter.
- 2.2 Pull off the return line ⇒ *Removing return line -1-* at the reservoir ⇒ *Removing return line -2-* (⇒ *Removing return line -arrow A-*) and collect the brake fluid in the container until no more brake fluid emerges.



Cover in service position

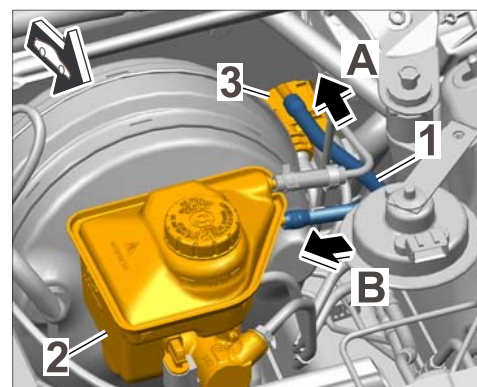
If the sealing ring fitted in the return line is on the adapter after you pull off the return line, carefully remove the sealing ring using needle-nose pliers and dispose of it.

- 2.3 Pull off return line ⇒ *Removing return line -1-* on the clutch master cylinder ⇒ *Removing return line -3-* (⇒ *Removing return line -arrow B-*) and remove it in an upward direction.



Removing return line

- 2.4 Push new return line ⇒ *Installing return line -1-* as far as it will go onto the clutch master cylinder ⇒ *Installing return line -3-* (⇒ *Installing return line -arrow A-*) until it engages securely.



Installing return line

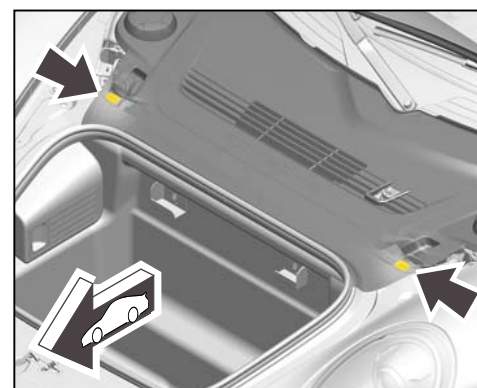
- 2.5 Push return line ⇒ *Installing return line -1-* as far as it will go onto the reservoir ⇒ *Installing return line -2-* (⇒ *Installing return line -arrow B-*) until it engages securely.

- 2.6 Remove the cleaning cloths you positioned earlier and dispose of them in accordance with legal requirements.

3 Subsequent work.

- 3.1 Bleed the clutch ⇒ *Workshop Manual '300107 Bleeding the clutch system - section on "Bleeding"*.
- 3.2 Disengage the yellow support at the front lid and clip in cover at the left and right ⇒ *Clipping in cover -arrows-*.

- 4 Enter the workshop campaign in the Warranty and Maintenance booklet.



Clipping in cover

Attachment "B" **Claim Submission** - Workshop Campaign WE04

Warranty claims should be submitted via WWS/PQIS.

Open campaigns may be checked by using either the PIWIS Vehicle Information system or through PQIS Job Creation.

Labor, parts, and sublet will be automatically inserted when Technician is selected in WWS/PQIS. If necessary, the required part numbers will need to be manually entered into warranty system by the dealer administrator.

Scope 1:

Valid for:

- **911 Carrera Coupé (991) with 7-speed manual transmission (I-no. 487) and left-hand drive (LHD) version (I-no. 098)**

Working time:

Replacing return line on clutch master cylinder

Labor time: **66 TU**

Includes: Moving cover into service position
Removing and installing cover for rear underbody
Bleeding the clutch system

Parts required:

000.043.110.41	Intake pipe for clutch master cylinder	1 ea.
000.043.203.66	Brake fluid	1 ea. (i.e. 1 liter of brake fluid)

⇒ Damage code WE04 066 000 2

Scope 2:

Valid for:

- **911 Carrera Coupé (991) with 7-speed manual transmission (I-no. 487) and right-hand drive (RHD) version (I-no. 099)**

Working time:

Replacing return line on clutch master cylinder

Labor time: **66 TU**

Includes: Moving cover into service position
Removing and installing cover for rear underbody
Bleeding the clutch system

Parts required:

000.043.110.42	Intake pipe for clutch master cylinder	1 ea.
000.043.203.66	Brake fluid	1 ea. (i.e. 1 liter of brake fluid)

⇒ Damage code WE04 066 000 2

Scope 3:

Valid for:

- **911 Carrera Cabriolet (991) with 7-speed manual transmission (I-no. 487) and left-hand drive (LHD) version (I-no. 098)**

Working time:

Replacing return line on clutch master cylinder

Labor time: **59 TU**

Includes: Moving cover into service position
 Removing and installing cover for rear underbody
 Bleeding the clutch system

Parts required:

000.043.110.41	Intake pipe for clutch master cylinder	1 ea.
000.043.203.66	Brake fluid	1 ea. (i.e. 1 liter of brake fluid)

⇒ Damage code WE04 066 000 2

Scope 4:

Valid for:

- **911 Carrera Cabriolet (991) with 7-speed manual transmission (I-no. 487) and right-hand drive (RHD) version (I-no. 099)**

Working time:

Replacing return line on clutch master cylinder

Labor time: **59 TU**

Includes: Moving cover into service position
 Removing and installing cover for rear underbody
 Bleeding the clutch system

Parts required:

000.043.110.42	Intake pipe for clutch master cylinder	1 ea.
000.043.203.66	Brake fluid	1 ea. (i.e. 1 liter of brake fluid)

⇒ Damage code WE04 066 000 2

References: ⇒ *Workshop Manual '300107 Bleeding the clutch system - section on "Bleeding"*

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