

## REMOVING - REFITTING : MASTER CYLINDER

**URGENT** : Observe the safety and cleanliness recommendations  .

### 1. Removing

Remove the battery cover.

Disconnect the battery.

Remove :

- The air inlet neck support and the neck (engine DV4 )
- The air deflector (DV6 engines)

Remove the resonator and the air inlet neck (EP3 - EP6 engines).

Disconnect : The engine management ECU connectors .

Remove :

- The engine management ECU
- The battery
- The battery tray

**CAUTION** : While carrying out the work, do not allow any impurities to enter the hydraulic circuit. Non-compliance with the cleanliness requirements can lead to contamination and malfunctioning of the braking system.

Drain the brake fluid reservoir as completely as possible (if necessary, use a clean syringe).

For vehicles fitted with a manual gearbox, drain the hydraulic clutch control circuit through the bleed screw by manually operating the clutch pedal.

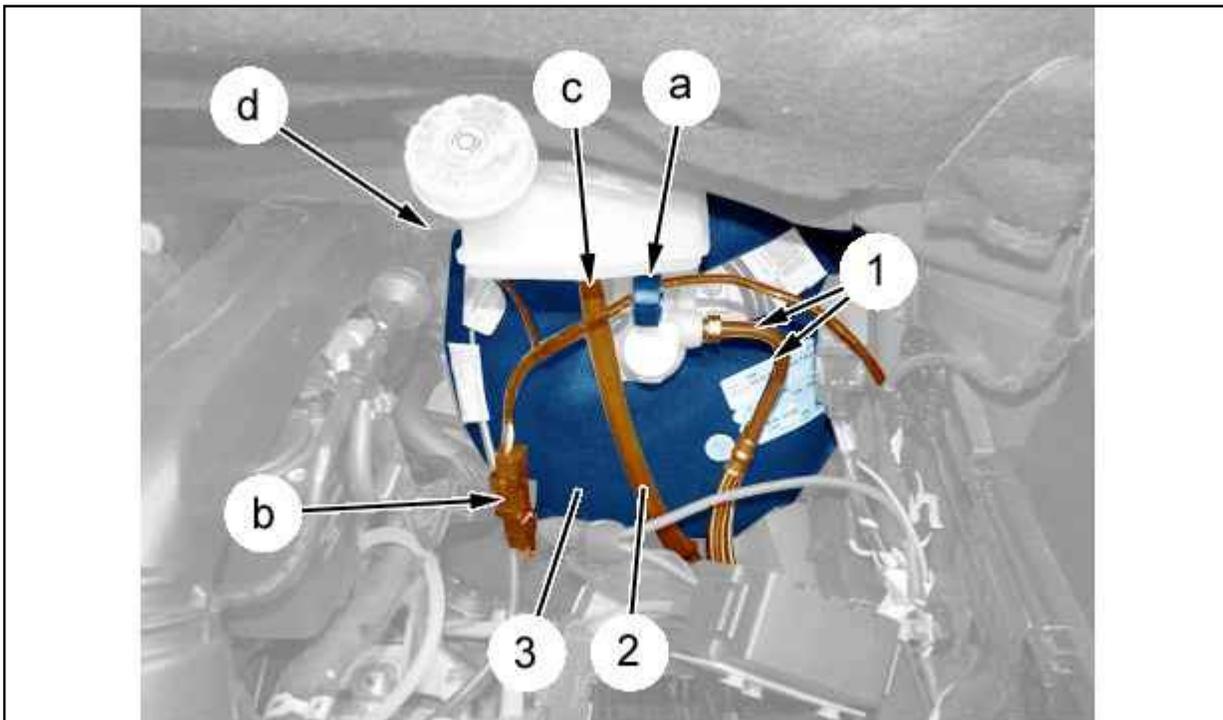


Figure : B3FG0VND

**CAUTION** : Prevent brake fluid from spilling.

**N.B.** : Protect the units located below the master cylinder from drips of brake fluid.

**N.B.** : Plug the orifices ; Using cleanliness plugs.

Disconnect the connector (In "b").

Unclip the electrical harness (In "a").

Uncouple :

- The hydraulic unions (1)
- The hydraulic clutch circuit supply pipe (2)(In "c") (manual gearbox)

Disconnect the brake fluid level sensor connector (In "d").

Move aside the soundproofing (3).

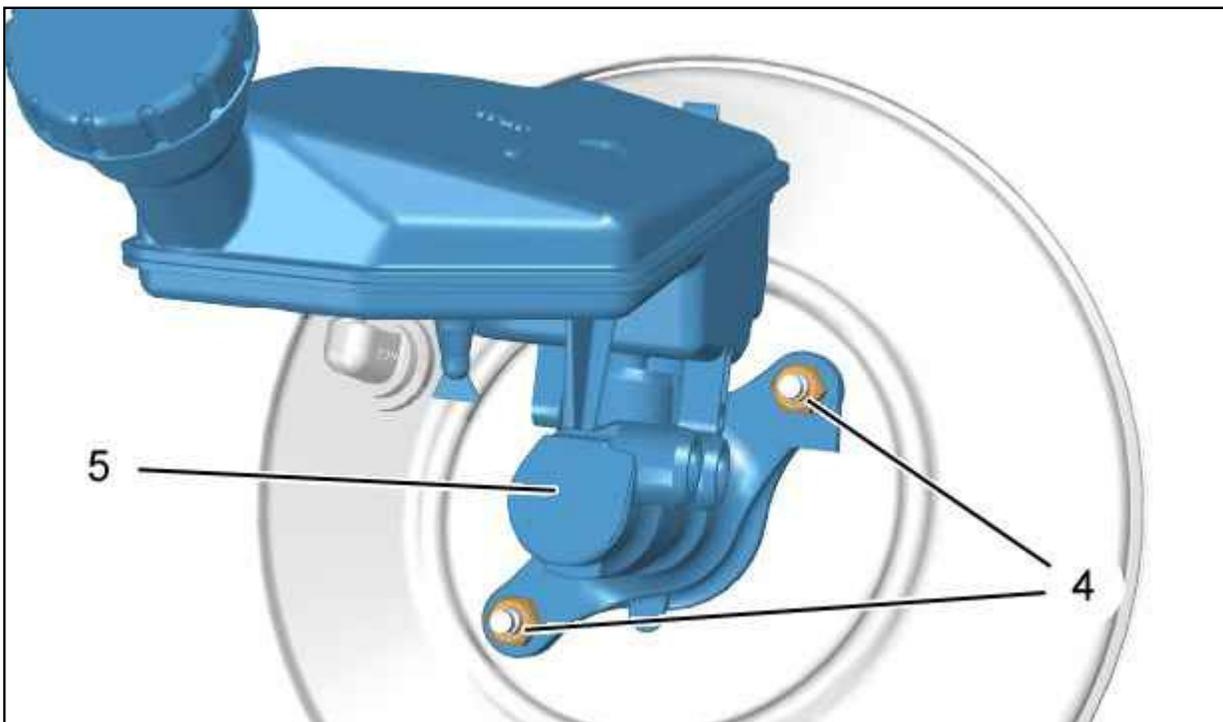


Figure : B3FG0VOD

Remove :

- The nuts (4)
- The master cylinder (5) and brake fluid reservoir assembly

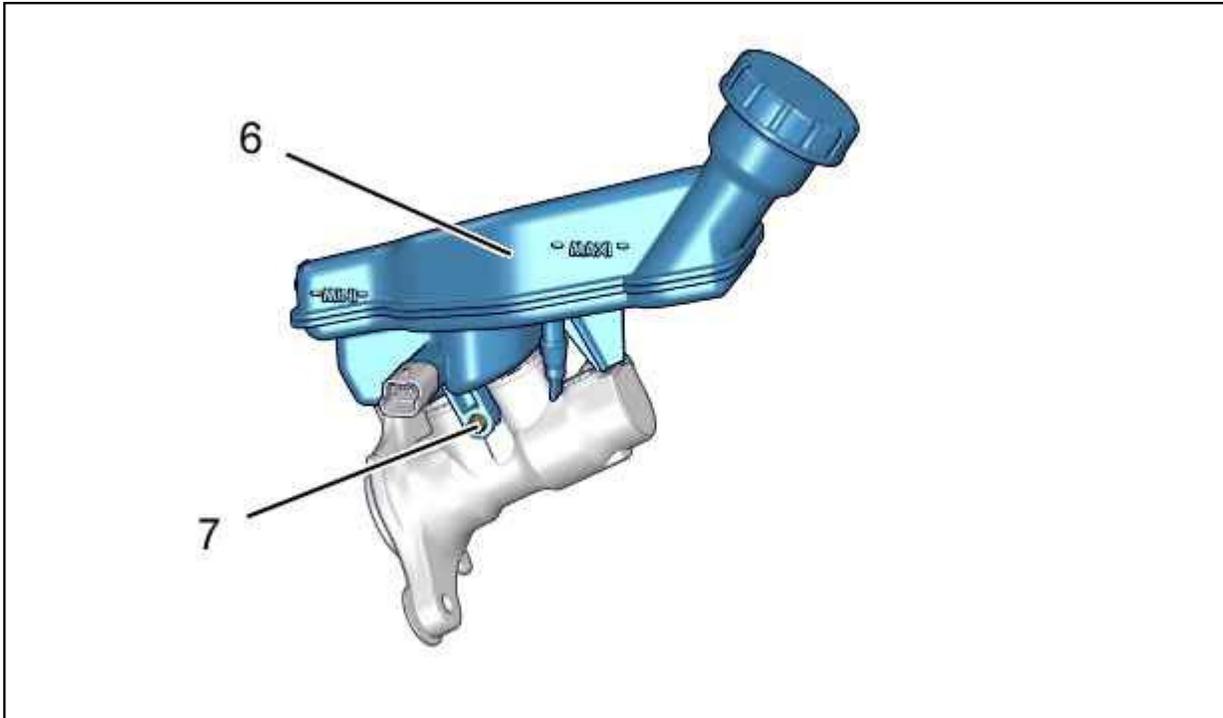


Figure : B3FG0VPD

Remove :

- The bolt (7)
- The brake fluid reservoir (6)

**N.B.** : Plug the orifices ; Using cleanliness plugs.

## 2. Refitting

**CAUTION** : Observe the tightening torque values.

**CAUTION** : On each removal : Always replace the master cylinder seals.

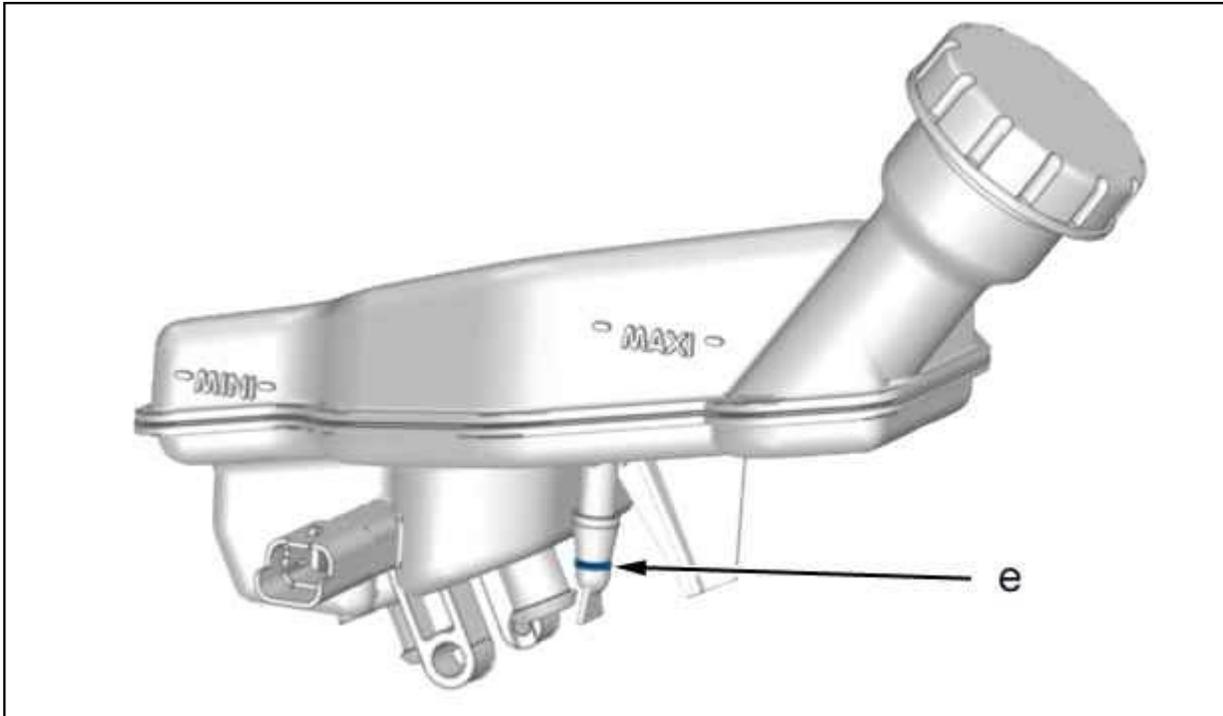


Figure : B3FG14WD

**N.B. :** If the brake fluid reservoir is replaced : For vehicles fitted with a manual gearbox, cut the plug at the groove (In "e").

Fit :

- The brake fluid reservoir (6) on the master cylinder
- The bolt (7)
- The master cylinder (5) and brake fluid reservoir assembly
- The nuts (4)

Fit : The soundproofing (3).

Connect : The brake fluid level sensor connector (In "d").

Remove the cleanliness plugs.

**CAUTION :** Vehicles with a smooth hydraulic clutch supply pipe (2) : Check that the seal in the hydraulic clutch supply pipe (2) is present and correctly positioned.

**CAUTION :** Vehicles with a ribbed hydraulic clutch supply pipe (2) : Reposition the clip on the hydraulic clutch supply pipe (2).

Recouple :

- The hydraulic clutch circuit supply pipe (2)(In "c")
- The hydraulic unions (1) ; Tighten to the specified torque

Clip : The electrical harness (In "a").

Connect the connector (In "b").

Fit :

- The battery tray
- The battery
- The engine management ECU

Connect : The engine management ECU connectors .  
Refit the resonator and the air inlet neck (EP3 - EP6 engines).

Fit :

- The air deflector (DV6 engines)
- The air inlet neck support and the neck (engine DV4 )

**CAUTION** : Perform the operations that are necessary after a battery reconnection.

Reconnect the battery.

Fit : The battery cover.

**Fill and bleed the braking system**  .

**Bleed the clutch hydraulic circuit**  (manual gearbox).