

## Removing air from the hydraulic system

Part Number: 804529, 810123

For Vehicle: Audi, Ford, Seat, Skoda, VW

The Valeo Service Technical department has received several claims of the concentric slave cylinder becoming damaged either during or after assembly of the CSC to the vehicle causing a leak within the hydraulic system on the vehicle. After working with garages across the UK Valeo technicians have identified that the CSC itself is not at fault and is due to trapped air within the hydraulic system. To prevent air being trapped in within the hydraulic system a specific sequence of steps must be followed.

Valeo recommend removing air from the hydraulic system using the following steps:

1. Ensure the brake fluid reservoir is filled up to the maximum mark.
2. Set the clutch pedal to the upper stop.
3. Attach the filling and air removal device.
4. Remove the protective cover from the bleed screw at the connection of the central release mechanism and insert the tubing from the air removal bottle onto the bleed screw.
5. Switch on the air removal device and set it to a working pressure of 2.0 bars.
6. Loosen the bleed screw by a quarter turn and allow 100 cm<sup>3</sup> of brake fluid to flow out.
7. With the bleed screw open actuate the clutch 15-18 times by hand performing 2 actuations per second. When doing this it is important for the clutch pedal to reach the lower and upper stops. If this is not performed appropriately the CSC can burst and become damaged.
8. Close the bleed screw.
9. Switch off the air removal device and release the working pressure from the device.
10. To complete the procedures, slowly actuate the clutch pedal 10 times and verify the correct operation of the release mechanism



*\*Air removal device and other associated tools can be acquired through the vehicle manufacturer*