



Tech-B3: Hydraulic Slave Cylinders WITHOUT Bleed Screws

In recent years the automotive industry made change to some hydraulic products, that makes it difficult for the professional installer and DIY consumer. More frequently on both trucks and automobiles hydraulics does not have bleed screws. You cannot use standard bleeding procedures when replacing a clutch slave cylinder that does not have bleeder screws. The following is the correct procedure to use with these cylinders.

1. Push the slave cylinder pushrod in and disconnect both bands of the retaining strap. Release the pushrod and allow it to fully extend. **DO NOT CUT OR DISCARD THE RETAINING STRAP** as the strap will have to be reused to help with installation.
2. Tip the slave cylinder and a 45° angle with the port up, while pouring clean type-3 brake fluid into the hydraulic line/hose port until all air has been removed from the cylinder and the slave cylinder is full.
3. With slave cylinder still at a 45° angle, insert the clutch hydraulic line/hose in the slave cylinder hydraulic outlet port.
4. Always replace the quad seal on the info the metal connector and lubricate with fluid prior to installation. Insert the retaining pin and drive it into place with a punch if required.
5. With the master cylinder reservoir cap removed, slowly push the slave cylinder pushrod into full stroke allowing the air that has trapped in the line/hose to vent in the reservoir. The fluid will displace all air that is in the line/hose. Install the retaining strap in the proper clips and install the slave cylinder on the vehicle.