

### GM 6T30/40/45/50 (Gen. 1)

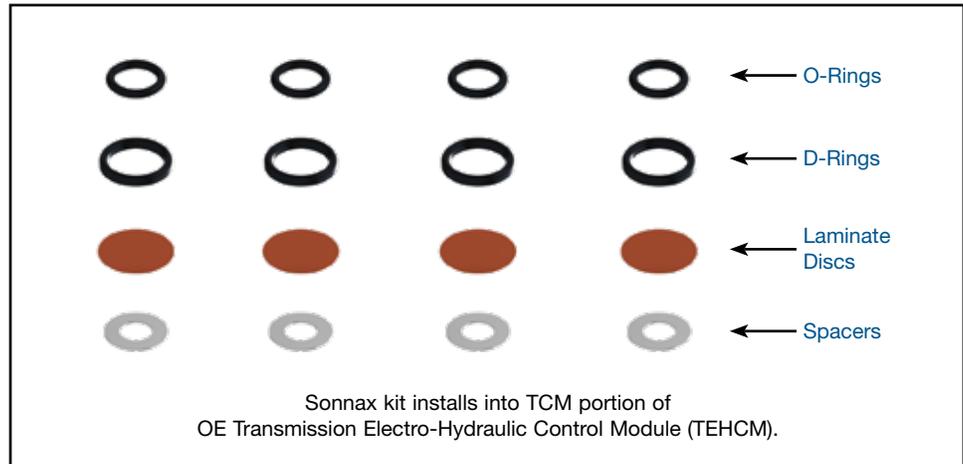
## Pressure Switch Rebuild Kit

### Part No.

# 144510-09K

- O-Rings (4)
- D-Rings (4)
- Laminate Discs (4)
- Spacers (4) See Warning

**WARNING:** Spacers should not be used on TEHCMs that have plastic fluid conduits; see page 2.



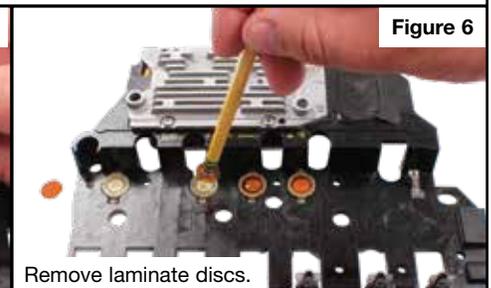
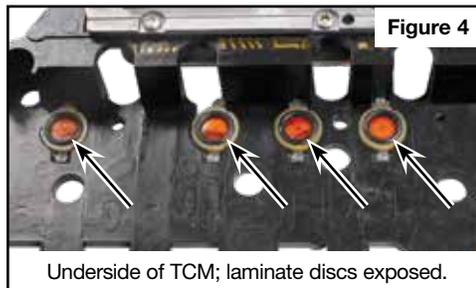
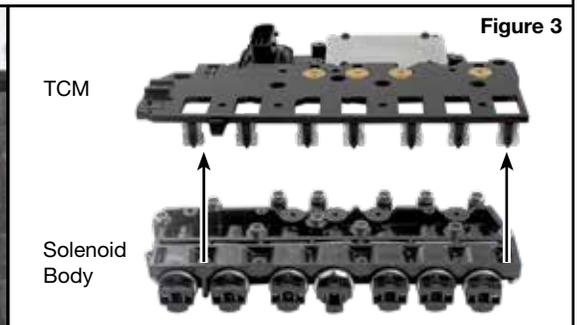
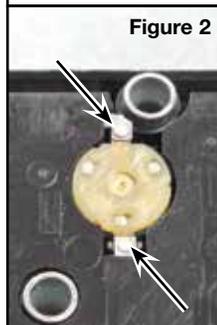
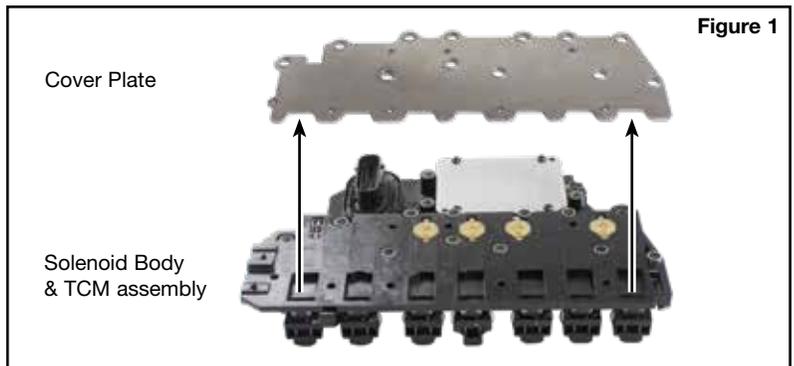
### 1. Disassembly

- Remove retaining screws and detach solenoid body cover plate (**Figure 1**).

**NOTE:** Before installing Sonnax pressure switch rebuild kit, test switches to verify proper electrical operation.

Place ohmmeter leads on each side of pressure switch, outside of the rivet (**Figure 2**). Switches are normally closed and should read from about .5 to 10 ohms in their non-operated state. Pressing on the switch opens the contacts and should result in O.L. reading. If these tests fail, test resistance again at the switch side, before the rivet; loose rivets can cause circuit interruption. If testing is successful, proceed with installation of Sonnax kit.

- Separate solenoid body from TCM (**Figure 3**). Four pressure switch laminate discs are now exposed on underside of TCM (**Figure 4**).
- Remove D-rings from switches and discard (**Figure 5**).
- Using a pencil eraser dabbed with assembly gel, remove OE laminate discs from switches and discard (**Figure 6**).



## 2. Installation & Assembly

- a. Ensure any dirt or debris is cleaned from switches before proceeding.
- b. Place Sonnax laminate discs on switches.
- c. Install Sonnax D-rings over laminate discs, flat side facing down. D-rings have slight interference fit; ensure they fit snugly into switch (Figure 7).

**NOTE:** Some solenoid bodies are equipped with plastic fluid conduits (Figure 8). If so equipped, remove conduits to expose O-rings (Figure 9). Replace O-rings with Sonnax O-rings and reinstall conduits.

- d. Reinstall solenoid body to TCM (Figure 10).

**WARNING:** Steps "e" and "f" apply only to units that DO NOT have plastic fluid conduits.

- e. With TCM still separated from the solenoid body, place Sonnax spacers over switches. A dab of assembly lube will help keep them in place during reassembly (Figure 11). These spacers assist in keeping appropriate support on switches with over-flexed terminals, which is vital to maintaining proper switch function.

**NOTE:** Use 6-32 screws and nut (not included) in eight locations to securely attach cover plate to TCM housing (Figure 12). Check for continuity of each pressure switch at the terminals. Remove spacers from any switches indicating too much preload (outside the .5 to 10 ohms range).

**WARNING:** Do NOT install Sonnax spacers into units equipped with plastic fluid conduits!

- g. Reinstall solenoid body cover plate and secure with retaining screws (Figure 1).

