sonnax®

TRANSMISSION PARTS

Instructions

GM 6T70/75 (Gen. 1), 6L45, 6L50, 6L80, 6L90

Pressure Switch Rebuild Kit

TOOL REQUIRED

Part No.
124740-70K

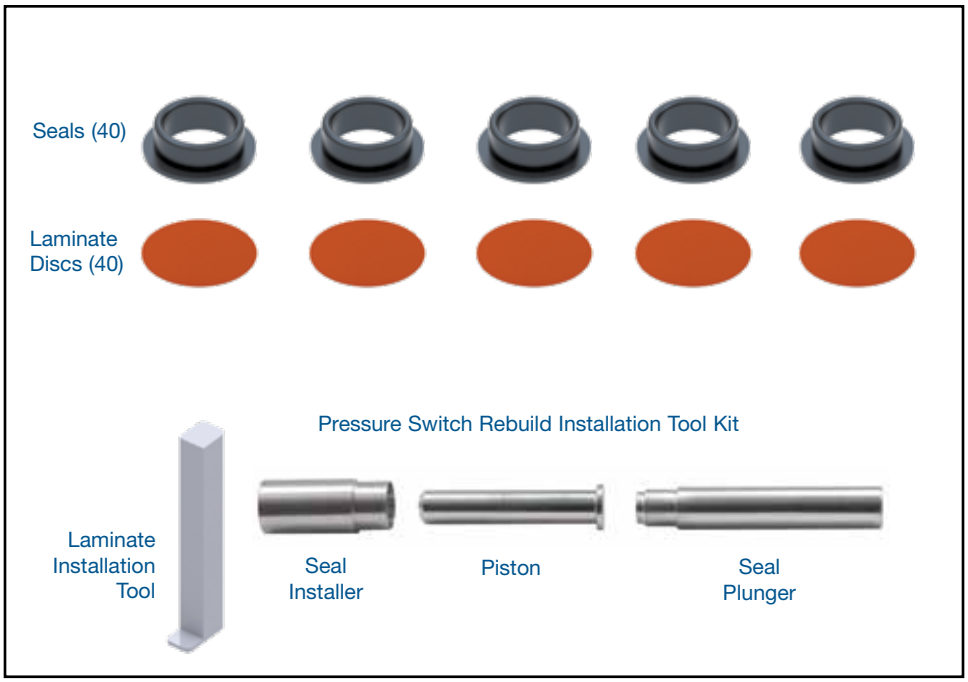
- Laminate Discs (40)
- Seals (40)

Pressure Switch Rebuild Installation Tool Kit

Part No.
124740-TL70

- Laminate Installation Tool
- Seal Installer
- Piston
- Seal Plunger

Patent No. D784,101



NOTE: Before installing kit, test switches to verify proper electrical operation. Kit repairs laminate disc and seal failures only; it will not rectify electrical breakdown.

1. Testing Switches

a. <u>Testing 6T70/75 switches:</u> Locate five-pin pressure switch terminals (**Figure 1**). Ground pin is all the way to the left; moving to the right, each pin is power supply for an individual switch (**Figure 2**). Place negative ohmmeter lead on ground pin and positive lead on a power supply pin. At rest, each switch should read between .5 and 10 ohms. Depressing switch with pencil eraser should result in O.L. reading.

b. <u>Testing 6L45–6L90 switches:</u> Remove gasket plate to expose switch circuits. Ground is outer right leg; place negative ohmmeter lead on this blade. The plastic cover has pin-holes which can be used to rest the tip of the probe (**Figure 3**). Positive lead should be placed on one of the other four legs, which carry power for individual switches. At rest, each switch should read between .5 and 10 ohms. Depressing switch with pencil eraser should result in O.L. reading.

Figure 1

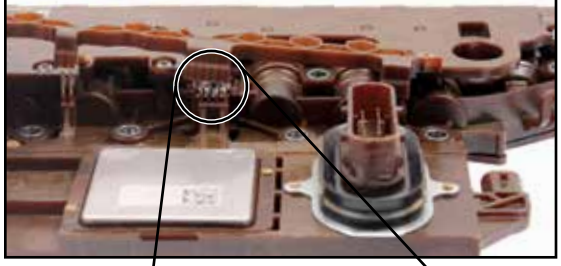


Figure 2

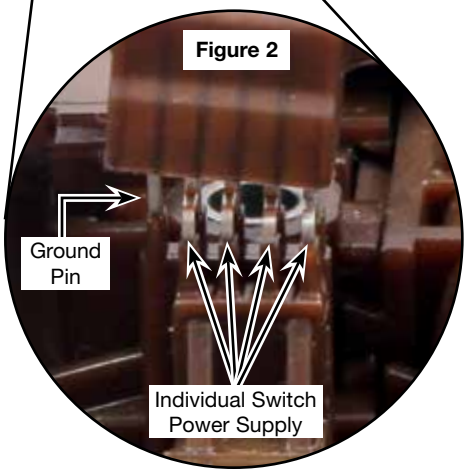
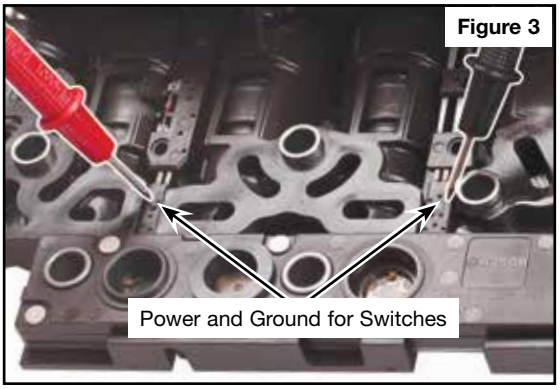


Figure 3



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1. Testing Switches (continued)

c. If testing is successful, proceed with installation of Sonnax kit.

2. Remove OE Seals & Discs

a. Using small screwdriver, remove OE switch seals and discard (**Figure 4**).

b. Using small pick, gently remove OE laminate discs and discard (**Figure 5**).

c. With laminate disc removed, OE plastic piston is exposed; piston is easily removed with pick for cleaning (Figure 6). Using low air pressure (30 psi), blow any debris out of switch cavities. Clean and reinstall piston.

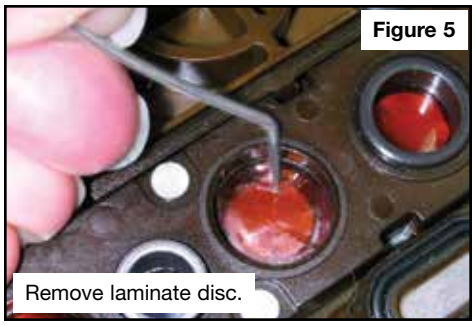
3. Installation & Assembly

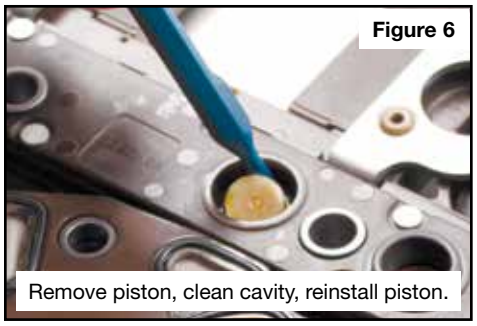
a. Gently form Sonnax laminate disc into inverted "U" shape and insert into bottom of switch cavity. Leading edge of laminate disc should slide into small groove at bottom of switch bore (**Figures 7, 8 & 9**).

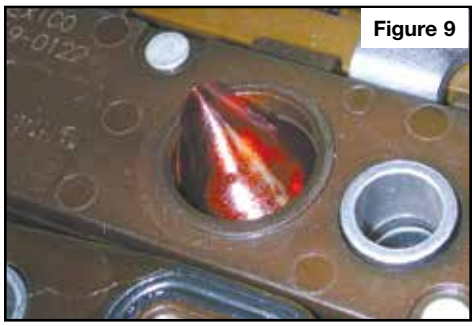
b. Insert Sonnax laminate installation tool over disc with "heel" toward top of switch bore and "toe" tucked under groove at bottom of bore (**Figures 10 & 11**).

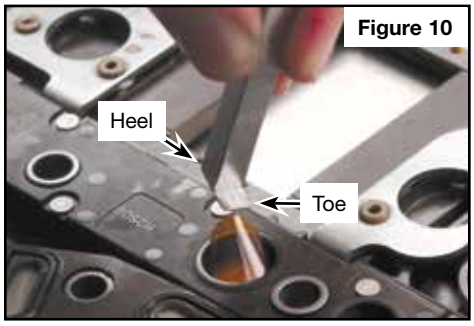
c. Gently press down on disc with tool 'foot' and rotate tool 360º until all of laminate disc edge is secure under bore groove (**Figure 12**).

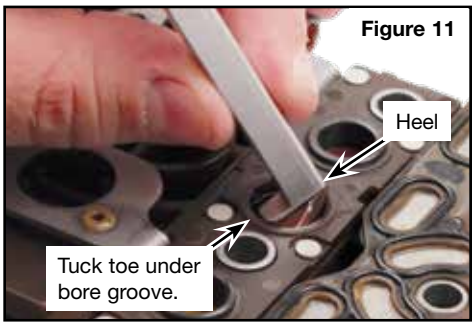
d. Ensure laminate disc is centered, covering entire bore opening without gaps (**Figures 13 & 14**).

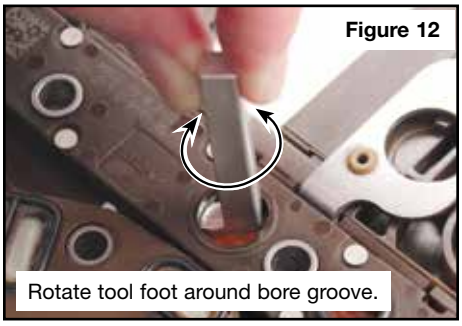


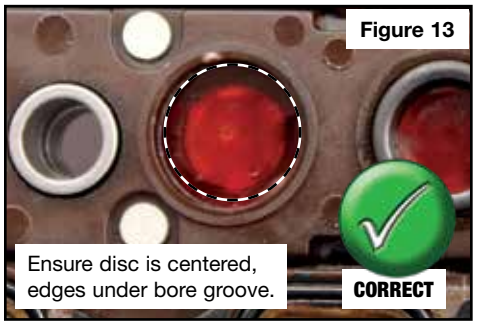


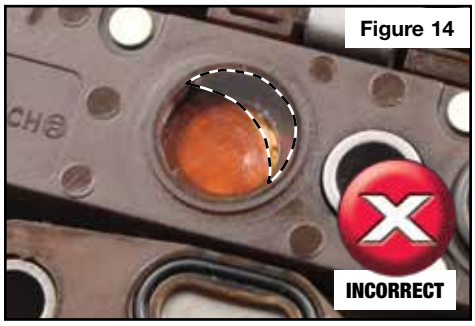












3. Installation & Assembly (continued)

e. Install Sonnax piston into Sonnax seal installer as indicated (**Figures 15 & 16**).

f. Lubricate all sides of Sonnax seal. Insert seal flush into seal installer (**Figures 17 & 18**).

g. Push seal into seal installer assembly using Sonnax seal plunger until plunger bottoms seal in tool (**Figures 19 & 20**).

h. Insert piston/seal installer assembly into switch bore (**Figure 21**).

i. While holding seal installer in place, push piston downward (**Figures 22, 23 & 24**). The seal installer will rise out of bore as seal sets into place.

j. Inspect installed seal to ensure flush fit (**Figures 25 & 26**).

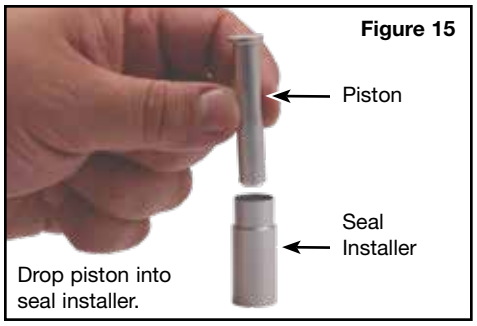
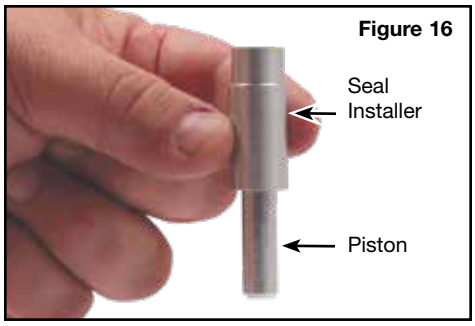


Figure 15



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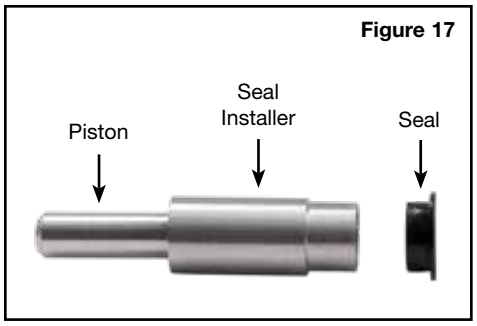
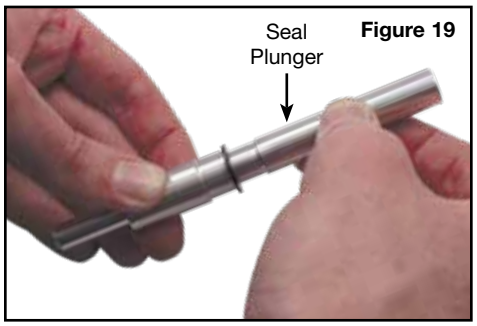


Figure 17


Figure 18



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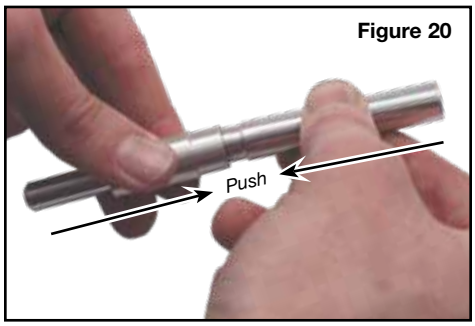

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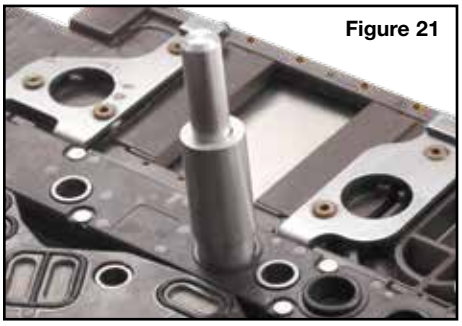
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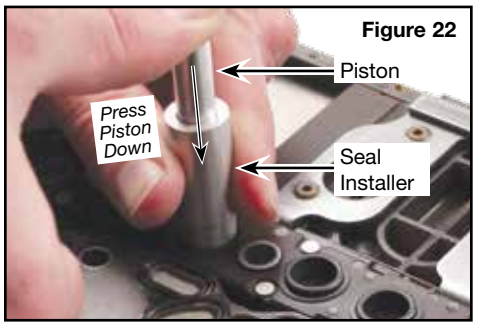

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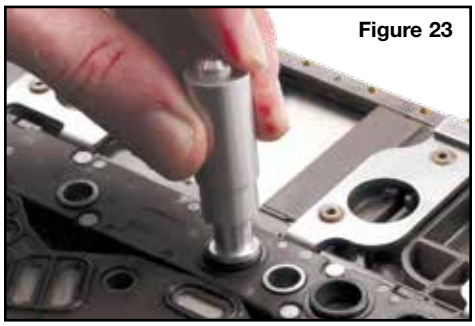
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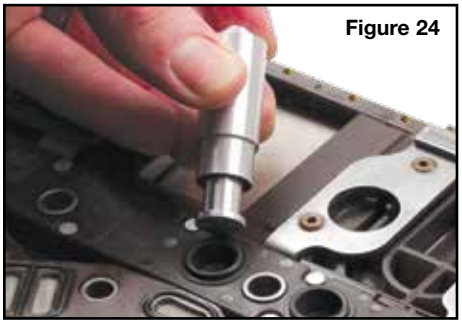
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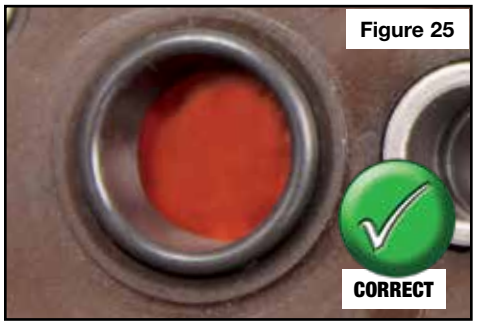

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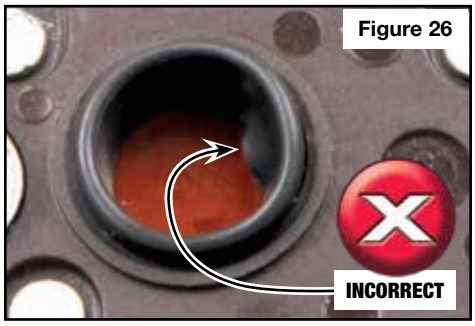

Figure 26