



Technical Service Information

4T40E/4T45E CODE P1810

COMPLAINT: After transmission exchange or valve body replacement, a code P1810 for the Transmission Fluid Pressure Switch Assembly (TFPSA) is stored immediately after engine start up.

CAUSE: A 2004 or later transmission or valve body was installed into a 2003 and earlier vehicle.

CORRECTION: The first design 4T40E transmission or valve body utilized a six (6) switch Transmission Fluid Pressure Switch assembly as seen in Figure 1. The valve body has six (6) feed passages to activate the various pressure switches in the switch assembly, also seen in Figure 1. At the start of 2004 production a newly designed Transmission Fluid Pressure Switch Assembly was used which only has three (3) pressure switches as seen in Figure 2. At the same time the pressure switch feed passages in the valve body that were no longer needed were cast shut also seen in Figure 2.

In addition, the pressure switch assembly connector cavity is the same for both the early and the late design which can be seen in Figures 1 and 2 when compared. This means the early and late assemblies will easily connect.

When a late transmission was installed into an earlier vehicle, upon ignition cycle, the TFPSA had an open circuit due to one less terminal and wire, thereby immediately storing the P1810 code.

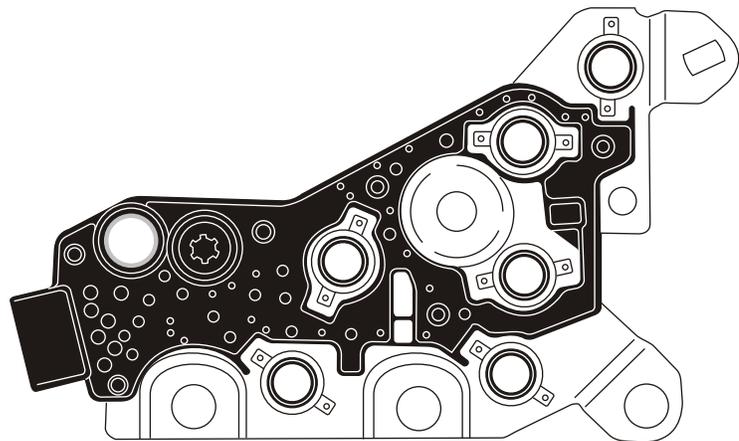
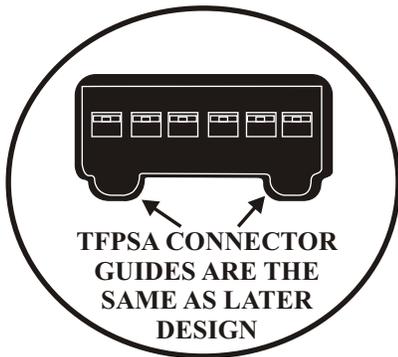
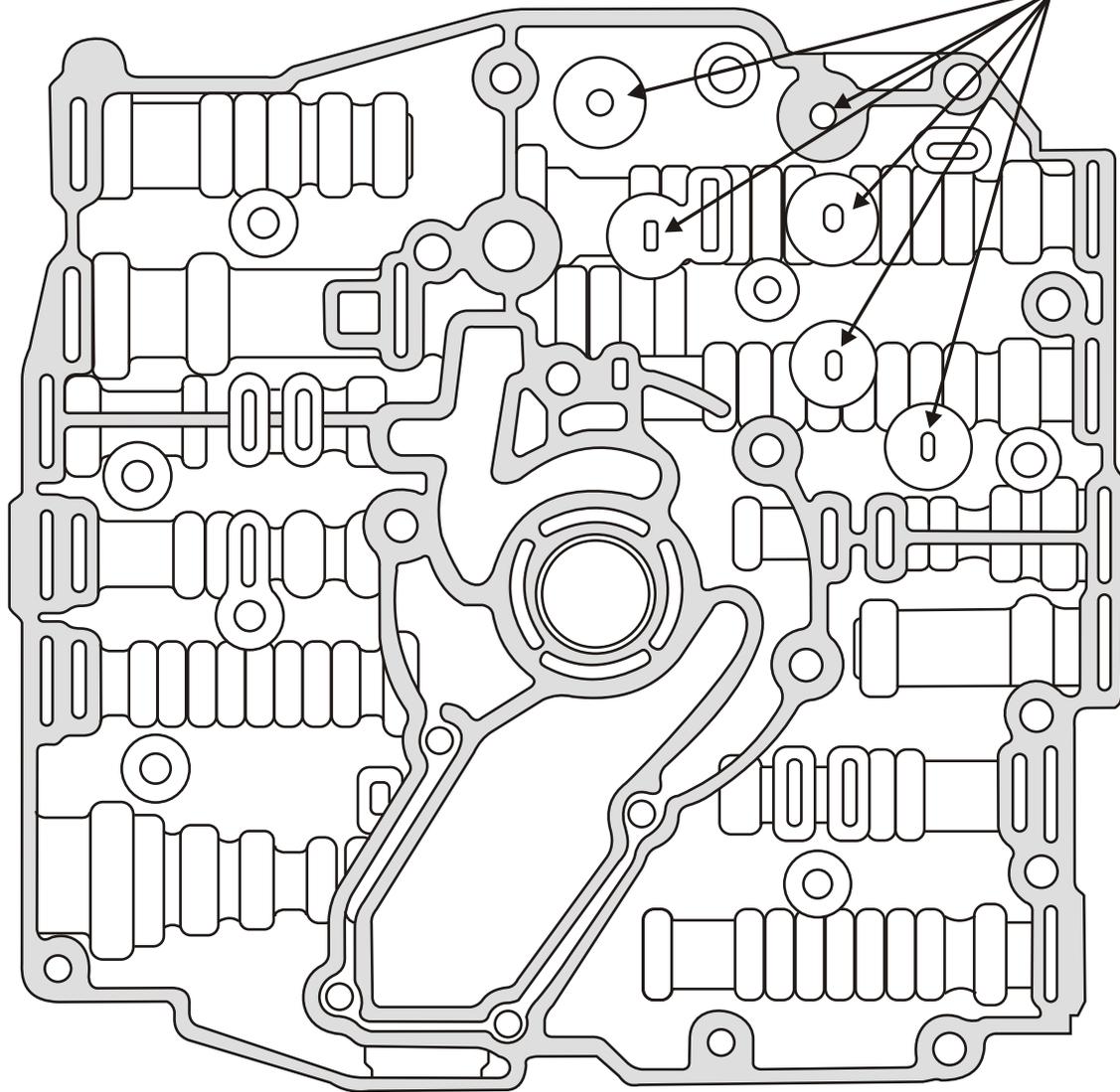
SERVICE INFORMATION:

Transmission Fluid Pressure Switch Assembly (2003 & Earlier).....24226580
Transmission Internal Wire Harness (2003 & Earlier).....24230346
Transmission Fluid Pressure Switch Assembly (2004 & Later).....24217544
Transmission Internal Wire Harness (2004 & Later).....24229655

*Special thanks to
Billy Johnson*

2003 & EARLIER

TFPSA FEED PASSAGES



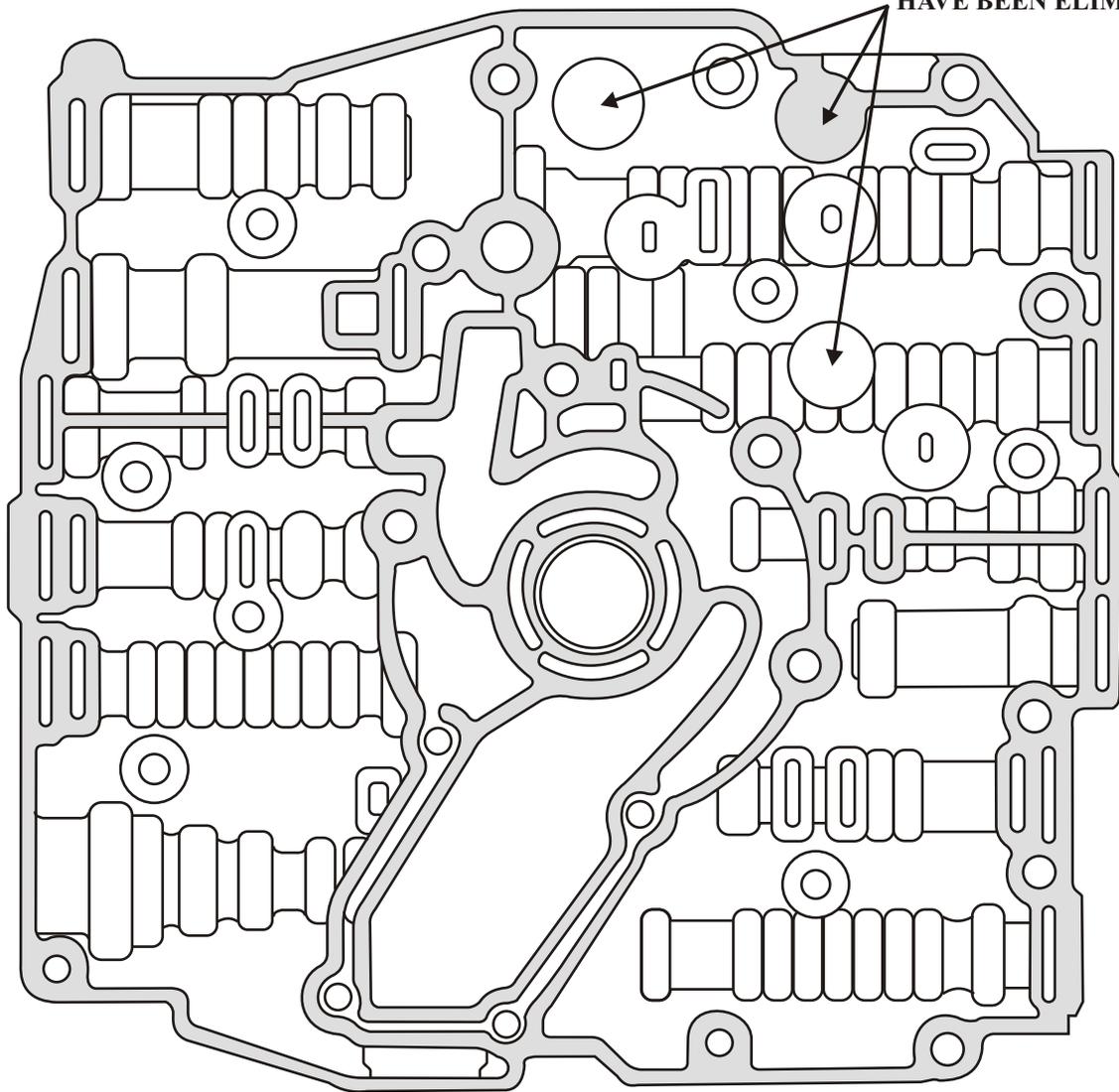
TFPSA HAS SIX SWITCHES

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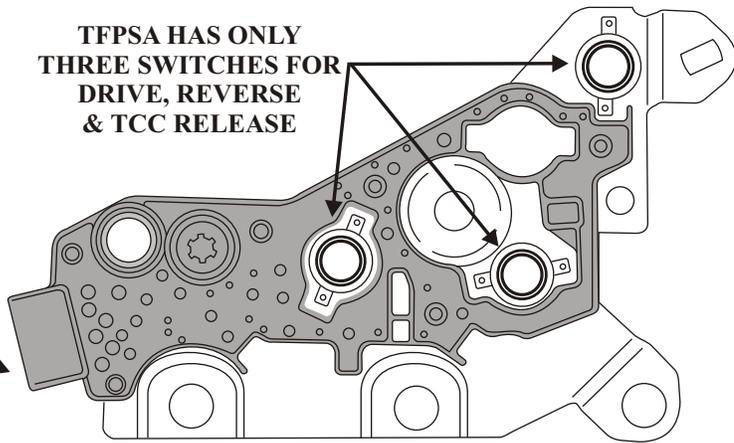
Figure 1

2004 & LATER

TFPSA FEED PASSAGES
HAVE BEEN ELIMINATED



TFPSA HAS ONLY
THREE SWITCHES FOR
DRIVE, REVERSE
& TCC RELEASE



TFPSA CONNECTOR
HAS ONE TERMINAL
ELIMINATED



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Figure 2