4T40E / 4T45E

Multiple Codes, Slips, Failsafe

DTCs P0753, P0758, P1860, C1223, C1224 or C1275

Other complaints: Transmission slips in 4th Gear, Stuck in 2nd Gear or SES/TCS light illuminated, DTCs:

P0753-1-2 Solenoid Circuit Failure
P0758-2-3 Solenoid Circuit Failure
P1860-TCC Solenoid Electrical Fault
C1223-2 Wheel Speed Sensor
C1224-2 Wheel Speed Sensor
C1275- ABS System Failure

This may be caused by the wiring being damaged or the Evap Emission Vent Solenoid failing. The models affected by this are 2002-2004 Chevrolet Cavalier and 2002-2004 Pontiac Sunfire with 2.2L Engine (VIN F – RPL L61)

Both causes should be examined when a vehicle is brought in for the above concern.

4T40E / 4T45E

Multiple Codes, Slips, Failsafe

Wiring and Conduit Inspection (continued)

Cause #1:
Possible water intrusion at the transmission to the front end vehicle harness. This harness is located near the transmission breakout and is protected by plastic split tube type conduit and electrical tape. In some cases, the split may be facing upward which will increase the tendency of the conduit to hold water. Eventually, the #107 splice to the transmission may become corroded and become non-conductive.

Correction #1:
Locate the conduit for the transmission breakout directly above the transmission oil cooler lines. Remove the electrical tape wrap from the plastic conduit and peel the conduit open. With the conduit open, examine the splices inside for signs of corrosion. Splice #107 (part of circuit 439, PINK) is located approximately 13 in forward of the transmission breakout point. Examine the splice for signs of corrosion. If corrosion is found, repair the splice. Use only a GM Crimp and Seal splice. Strip back the wire until clean, non-corroded wire is available.

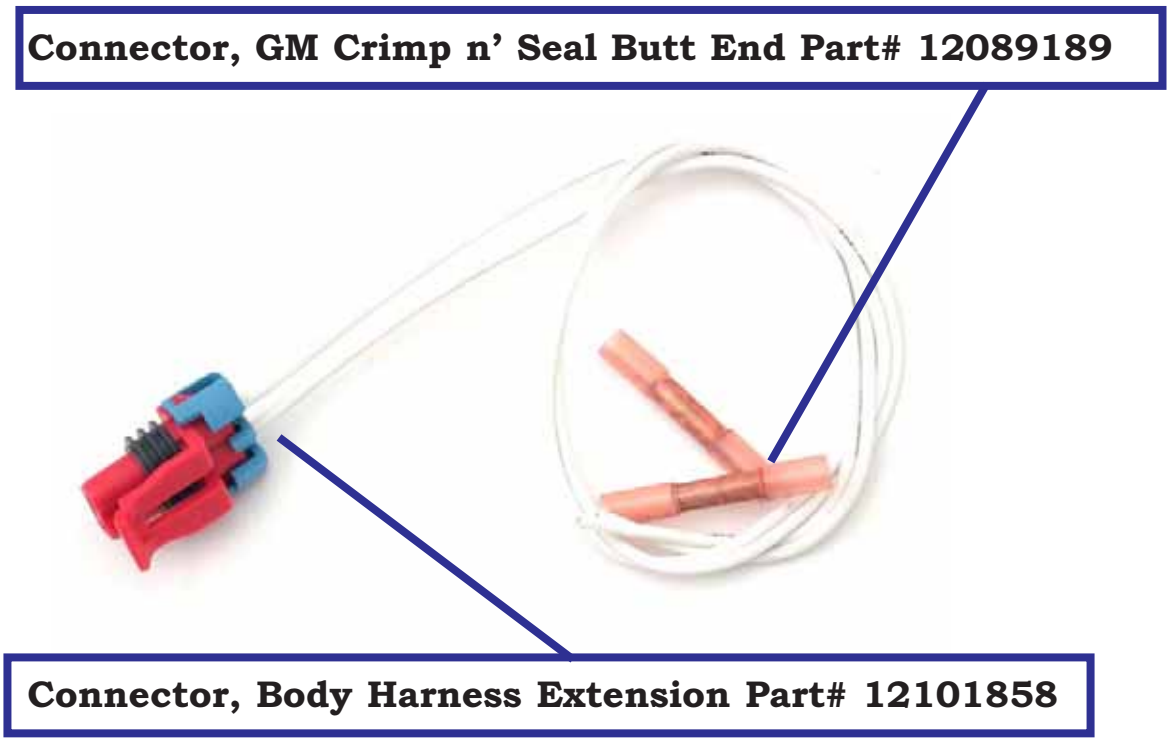
4T40E / 4T45E

Multiple Codes, Slips, Failsafe *(continued)*

Evaporative Emissions Canister Vent Solenoid retainer

Cause #2 The Evaporative Emissions Canister Vent Solenoid retainer may have come loose, allowing the associated wire harness to contact the axle. Abrasion of the wire against the axle may rub through the insulation creating a short to ground.

1. The Evaporative Emissions Vent Solenoid is retained by a molded in, plastic extension. The retainer has molded in ridges that create an interference fit to the underbody. Under some instances, the retainer may have not been fully seated when installed.
2. Remove the jumper harness from the Evaporative Emissions Vent Solenoid and repair the harness as necessary.



4T40E / 4T45E

Multiple Codes, Slips, Failsafe *(continued)*

The fastener style used to retain the Evap vent solenoid does not click when properly installed. This is normal, try to seat the fastener as deeply as possible without using excessive or damaging force.

Inspect the retainer for damage. Additionally, examine the solenoid body for any signs of damage. If the retainer and solenoid body appear in good condition, verify that the fastener holds properly by pulling on the solenoid body to check that it is retained. If the fastener will not retain properly or there are signs of damage, replace the Evap Vent Solenoid.
Discard and replace the jumper harness with P/N 12101858, lower the vehicle and clear all DTCs.

Part Number	Description
22622022	Valve, Evap Canister Vent