



# Technical Service Information

## THM 3L30 (180C) CONVERTER CLUTCH CHUGGLE/HUNTING

**COMPLAINT:** Some owners of 1989 thru 1995 model Geo Tracker, Cami Vitara, or Suzuki Sidekick, equipped with the THM 3L30 (180C) transmission, may experience a converter clutch “chuggle/hunting” condition. This condition occurs with the vehicle at normal operating temperature, in 3rd gear, at approximately 40-45 MPH on a level road or a slight uphill grade (noticed more on grade), the engine speed at 2500-2700 RPM, and the throttle opening at approximately 10 to 50 percent. Under these conditions, rapid, repeated apply and release of the converter clutch may cause a bucking or jerking sensation.

**CAUSE:** This condition may be due to Governor Pressure Switch instability when the vehicle speed is constant, and speed is at TCC apply speed.

**CORRECTION:** There is now available a new calibration update package, OEM part number 96040746, that should be installed. Use Figure 1 for proper assembly and identification. There is now available, under OEM part number 96041311, a Time Delay Module Kit that is installed into the TCC relay circuit to improve this condition.

### *INSTALLATION INSTRUCTIONS:*

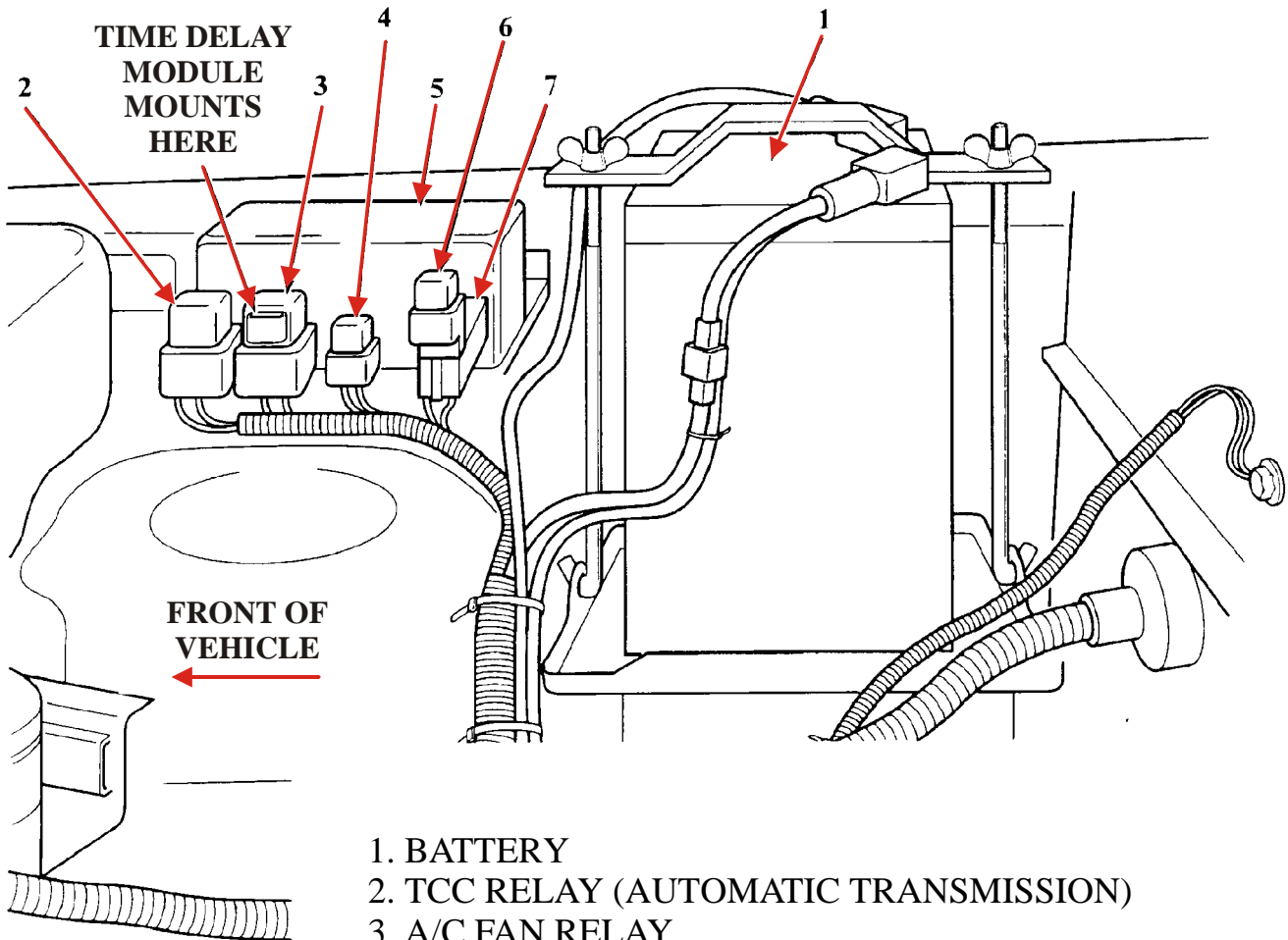
1. Disconnect the battery (See Figure 1).
2. Remove the Green connector from the TCC Relay (See Figure 1).
3. Remove the White wire from the Green connector *carefully*, using a narrow blade screwdriver.
4. Install the White wire removed from the Green connector onto the Time Delay Module and wrap with electrical tape, as shown in Figure 2.
5. Install the Red wire from the Time Delay Module into the cavity of the Green connector where the White wire was removed (See Figure 3), and reconnect the Green connector to the TCC relay.
6. Clip the Time Delay Module onto the A/C Fan Relay (See Figure 1).

*Note: If the vehicle is not equipped with air conditioning, install the rubber connector included in the kit, onto the fuse box tab and then clip the Time Delay Module onto the rubber connector, as shown in Figure 2.*

### **SERVICE INFORMATION:**

Time Delay Module Service Kit . . . . . 96041311

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1. BATTERY
2. TCC RELAY (AUTOMATIC TRANSMISSION)
3. A/C FAN RELAY
4. DATA LINK CONNECTOR (DLC)
5. FUSIBLE LINK BOX
6. A/C FUSE HOLDER
7. A/C COMPRESSOR RELAY

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Figure 1

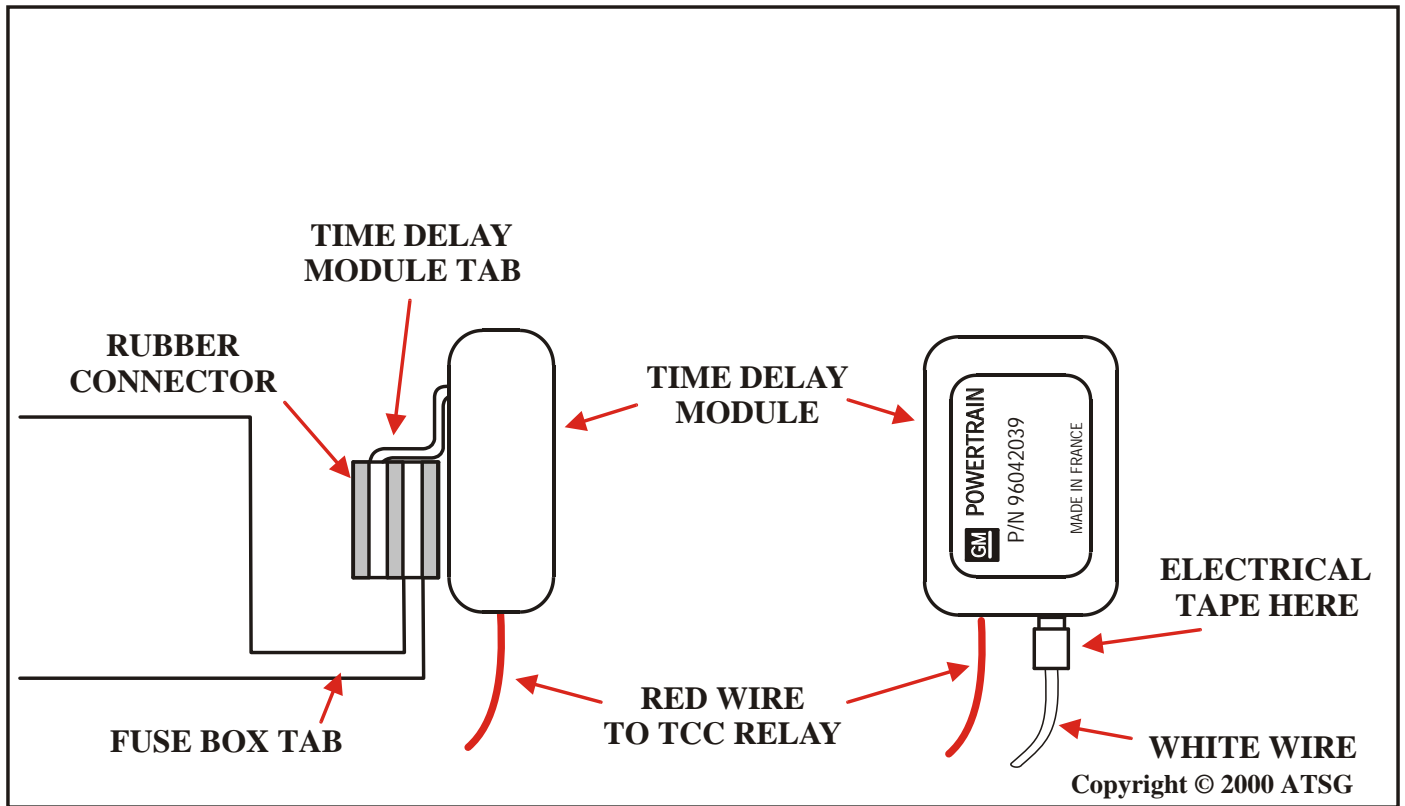


Figure 2

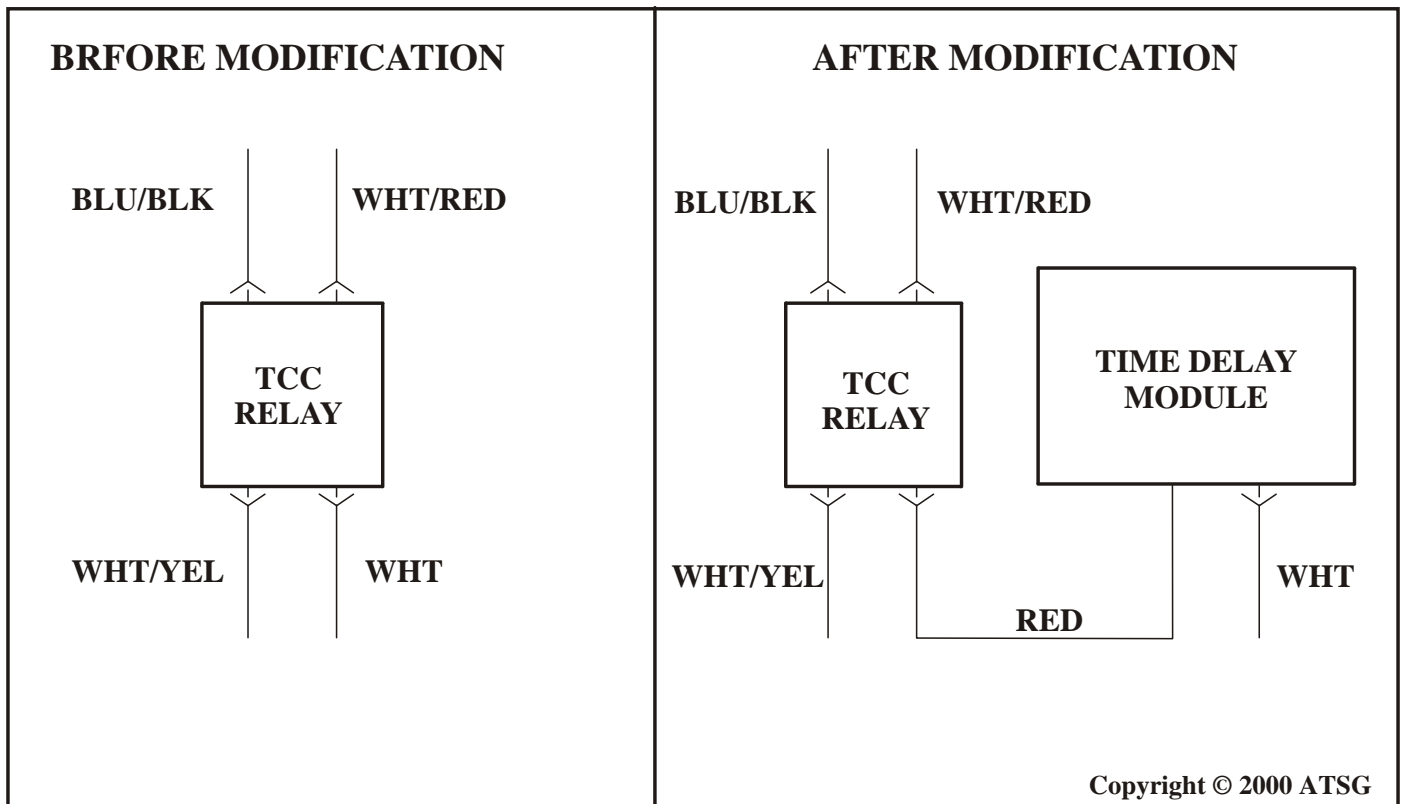


Figure 3

Figure 4