

The fire in your ATV

Stalls/Misses/Sputters during Light Throttle:

If you are experiencing any odd behavior that occurs during light throttle or hard acceleration, it can be caused by a miss-adjusted Throttle Position Sensor (TPS). The ECU relies on the TPS for acceleration enrichment as well as part throttle fuel compensation. If it is getting a wrong reading, it can substantially effect operation.

Checking the TPS:

- 1) Re-install the factory ECU.
- 2) Find the diagnostic connector near the ECU (it is usually white, with a black dust cap). It will have six (6) positions, but only four (4) positions will have wires inserted. Connect the two terminals together with a piece of wire or a paper clip. See Figure 7.
- 3) Turn on the key, and observe the speedometer pod. The display will show “-Coo” or “-Eoo” (depending on your machine). If the dash is centered on the C or E, then it is adjusted properly. If it is either high or low on the C or E, then you’ll need to adjust the TPS. See Figure 9.

Adjusting the TPS:

- 1) Loosen the two screws on the TPS (located on the left side of the throttle body). See Figure 8.
- 2) Rotate the sensor until the speedometer pod displays either “-Coo” or “-Eoo”.
- 3) Tighten the two screws.

Figure 7:

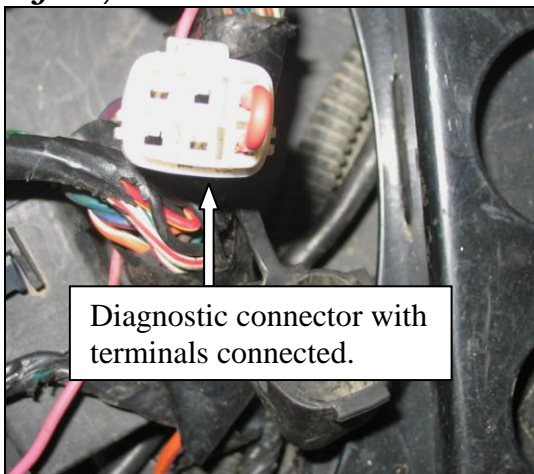


Figure 8:

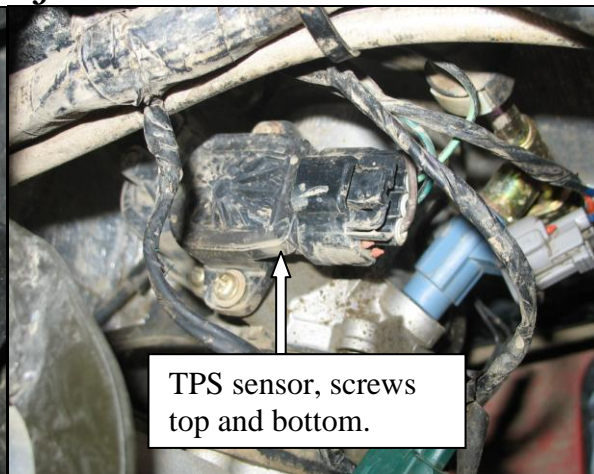


Figure 9:

