



Providing Crossfire Performance Advantages - 82, 83 & 84 CFI

Website: <http://www.crossfireinjection.net> – Email: Sales@crossfireinjection.net

Installation Instructions for Throttle Position Test Jumper Harness

TPS INTRODUCTION

The Throttle Position Sensor (TPS) furnishes data to the ECM as to the position of the throttle plates which equates to the amount of air being consumed by the engine. The TPS is a variable resistor connected to the rear throttle body only. As the throttle position varies, so does the signal to the ECM. By monitoring the output voltage from the TPS, the ECM can determine fuel delivery requirements based on throttle plate angle. The voltage increases as the throttle opens to give about 5 volts at wide open throttle.

INSTALLATION AND TEST PROCEDURES

1) With the ignition "OFF," disconnect connector from Throttle Position Sensor.

CAUTION: Carefully insert test jumper to align the pins into place. The connector only goes in one way. **DO NOT** force test jumper into connection, as damage to pins or sensor may result.

NOTE: If desired, the green silicon seal may be removed for ease of installation.

2) Plug in the TPS Test Jumper Tool

3) With the ignition in the "ON" position engine stopped, use a digital voltmeter to measure the voltage between terminals "A" (black wire) and "B" (red wire).

CAUTION: DO NOT ALLOW JUMPERS TO TOUCH EACH OTHER!

4) Voltage reading should read between .525 +/- .025 at closed throttle.

5) If reading is outside of specifications, slightly loosen Throttle Position Sensor mounting screws with a Torx #25 and move sensor to adjust to specifications.

- 6) Retighten Torx screws, and then recheck reading to insure adjustment has not changed.
- 7) Turn the ignition "OFF" and remove the Throttle Position Sensor Test Jumper Tool. Reconnect stock TPS connector to Throttle Position Sensor.

LIABILITY DISCLAIMER: Dynamic Crossfire Solutions (DCS) will not accept or be responsible for any damage which may result in improper installation of this assembly. Further more; the installer/owner accepts full responsibility for the condition, installation and use of the assembly. By installing the assembly, the installer/owner agrees to this disclaimer after the sale and releases DCS of any and all liabilities.

THANK YOU FOR YOUR BUSINESS!