

THROTTLE POSITION SENSOR – SERVICE PART

INSTALLATION AND ADJUSTMENT INSTRUCTIONS – 199R9717

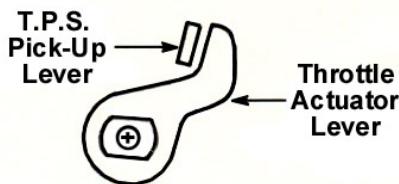
Congratulations on your purchase of the Holley TPS (Throttle Position Sensor)! Holley Performance Products cannot and will not be responsible for any alleged or actual engine or other damage or other conditions resulting from misapplication of the part described here.

REMOVAL:

1. To remove the TPS from the old unit, it will be necessary to remove the TBI assembly for service of the TPS unit.
2. Remove the fuse marked "Fuel Pump" from the fuse block in the passenger compartment. Start the engine and allow it to run, until the fuel supply remaining in the lines is consumed. When the engine stalls, engage the starter for three seconds to ensure that all pressure is relieved. With the ignition in the off position, replace the fuel pump fuse. Do not turn the key to the run position, until the installation is complete.
3. Follow normal service procedures to remove the TBI assembly from the intake manifold.
4. Place the TBI assembly in a suitable holding fixture to prevent damage to the throttle plate and injector electrical connection.
5. Remove the two TPS attaching screws and retainer.

INSTALLATION:

1. With the throttle valve in the normal closed-idle position, install the TPS on the throttle body assembly. Make sure the TPS pick-up lever is located ABOVE the tang on the throttle actuator lever. See Figure 1.



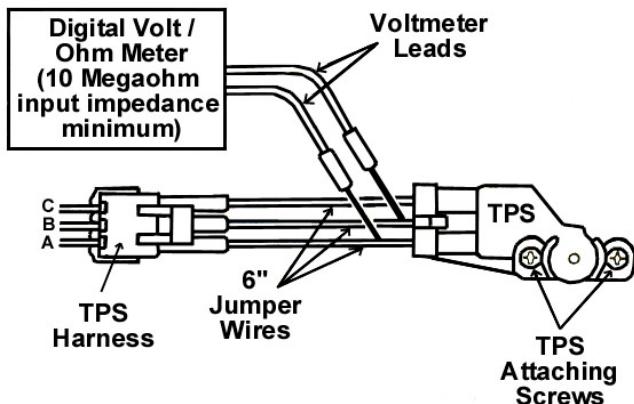
2. Install the retainer and attaching screws and lockwashers and tighten the screws so that the sensor will still move, but is not loose. When replacing the TPS on either Pro-Jection or Pro-Jection #4 TBIs, you must re-use the original TPS retaining screws.

1.8L & 2.5L ADJUSTMENT:

1. Connect the digital voltmeter from the TPS connector top terminal (C) to the center terminal (A) with the ignition switch "ON" (engine stopped). Position the TPS, so that the voltmeter reads 0.5 to .08 volts.

2.0L ADJUSTMENT:

1. Connect the digital voltmeter from the TPS connector center terminal (B) to the bottom terminal (A). Make the jumper wires up with #16, #18, or #20 wire approximately 6" long. See Figure 2.



2. With the ignition "ON" and the engine stopped, position the TPS, so that the voltmeter reads 0.5 to 0.8 volts.
3. Tighten the TPS mounting screws with the sensor in this position. Recheck the voltmeter reading when the screws are tight to make sure the adjustment did not change.
4. With the ignition "OFF", disconnect the voltmeter and reconnect all connectors.