

1989 Jeep Truck Cherokee 4WD L6-242 4.0L VIN L FI

Top - Vehicle

- ↳ Sensors and Switches
 - ↳ Sensors and Switches - Powertrain Management
 - ↳ Sensors and Switches - Fuel Delivery and Air Induction
 - ↳ Throttle Position Sensor
 - ↳ Adjustments
 - ↳ Manual Transmission

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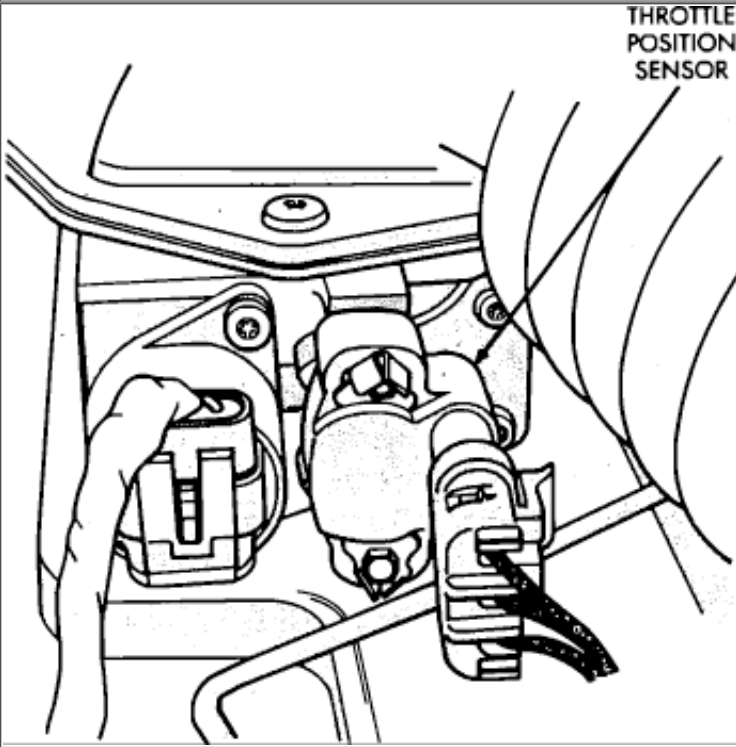
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Notes

Manual Transmission

Throttle Position Sensor (TPS) Location (Manual Transmission)

THROTTLE
 POSITION
 SENSOR



ZOOM

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NOTE: A digital voltmeter is required to successfully complete the adjustment of the TPS. The DRB II or an equivalent scan tool can also be used to adjust the TPS. Refer to the scan tools' manual for adjustment procedure.

CAUTION: Do not disconnect the TPS electrical connector; instead, insert the voltmeter test leads into the back-side of the electrical connector. When inserting the test leads, make sure that the wires and harnesses remain undamaged.

1. Turn the [ignition switch](#) to the ON position.
2. Find the TPS connector and insert the black lead of the voltmeter into the back side of terminal (B). Insert the red lead of the voltmeter into the back side of terminal (A). Make sure that the throttle plate is completely closed against the throttle stop. Note the voltage reading of the voltmeter as it is connected across these two terminals, this reading is the input voltage.
3. Remove the red lead of the voltmeter from the back side of terminal (A) and reinstall it into the back side of terminal (C). Make sure that the throttle plate is completely closed against the throttle stop. Note the voltage reading of the voltmeter as it is connected across terminals (B) and (C), this reading is the output voltage.
4. Divide the output voltage reading by the input voltage reading. The ratio should be between .825 and .835 (.830 optimum).
5. If the voltage ratio is not within this range, adjustments can be made using the two mounting screws. To make large adjustments, loosen the bottom mounting screw and pivot the sensor. To make small adjustments, loosen the top mounting screw and pivot the sensor.
6. Disconnect the voltmeter, and tighten the mounting screws securely.

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