

Installation for Omnipower TPS sensors.

1. Disconnect the negative battery terminal
2. Make sure engine has cooled down prior to starting work.
3. Remove intake hose from throttle body.
4. Remove throttle cable and detach it from the throttle body
5. Detach coolant lines on bottom of throttle body and plug
6. Remove throttle body from intake manifold (2X12mm nuts and 2X12mm bolts)
7. After removal of Throttle body check to see what type of screws secure the TPS sensor. JDM engines come with star socket bolts. USDM ones have break off bolts. The break off style bolts have to be slotted for a flat blade screw driver in order to remove.
8. USDM TPS removal. Use a dremel with a small cut off wheel. And make a slot on each bolt head. The slot needs to be wide enough and deep enough to allow a Flat blade screw driver to fit. Use a flat blade screw driver to loosen the bolts and set a side for later use.
9. After the TPS sensor is removed scrape away all of the old gasket material with a razor blade from the throttle body.
10. Install new TPS sensor making sure to line up the slot on the throttle body shaft with the rotating arm on the sensor. It's very important to make sure the rotating arm on the TPS sensor sits in the slot on the throttle body shaft. Once lined up rotate the sensor till the bolt holes line up on the throttle body and the sensor. Install the bolts with the sensor movement in the middle of its adjustment range.
11. Reconnect the negative battery terminal and plug the connector in to the new tps sensor.
12. Use a volt meter and connect the black wire to chassis ground and the red wire to the center wire on the TPS sensor plug. With the key on engine off check voltage on the center wire of the TPS connector. Adjust the rotation of the TPS sensor till .45 volts is achieved then tighten the bolts that secure the TPS to the throttle body.
13. Reinstall throttle body and start vehicle. Check for coolant leaks prior to test drive.