

TECHNICAL FEATURES

TP SENSOR

- TP sensor detects the opening degree of throttle valve.
- TP sensor consists of a variable resistor (volume) located on the same axis with throttle valve and a contact point (brush) that moves above the variable resistor in accordance with the throttle valve.
- TP sensor detects the changes of brush angle synchronized with throttle valve movement by converting them into variable resistance values. The input voltage from ECM becomes regulated by this varying resistance value and comes back into ECM.
- Output voltage sent back to ECM is low when throttle opening is small. The voltage becomes higher as throttle opening becomes larger.
- Depending on output voltage, ECM controls the following:
 - determines basic discharge duration and cuts off fuel supply on deceleration (with CKP sensor)
 - increases the amount of fuel injected on acceleration

