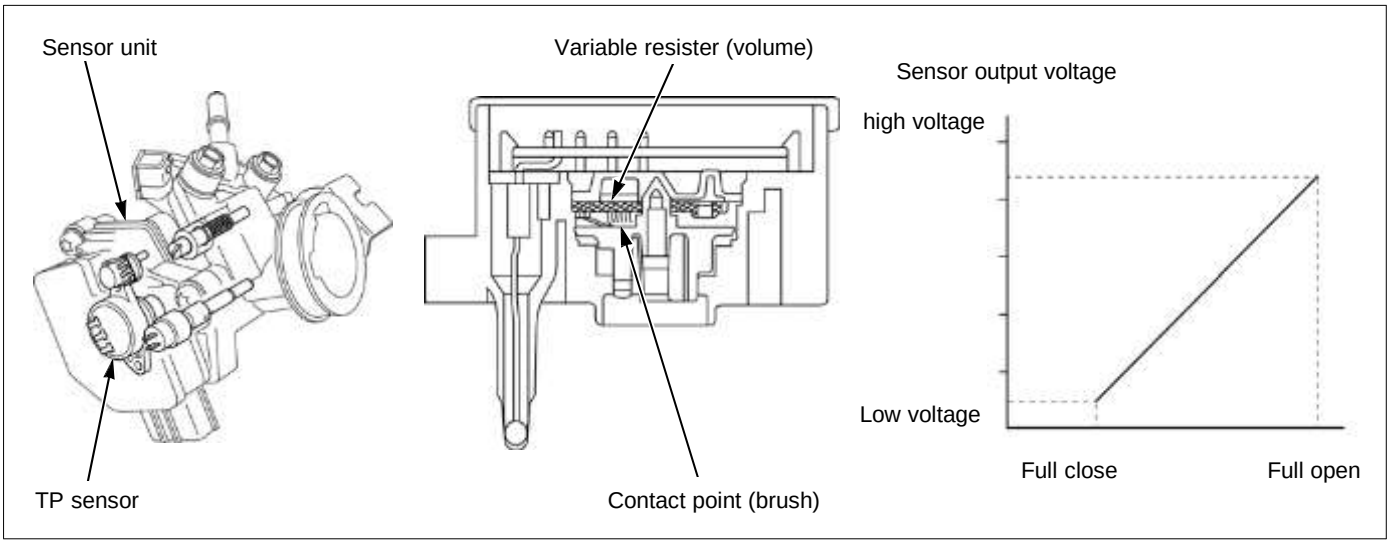
## TP SENSOR

- TP sensor detects the throttle valve opening angle.
- TP sensor consists of a variable resistor (volume) located on the same axis with the throttle valve and contact point (brush) touching to resistor. The resistor movement synchronizes with the throttle valve rotation. Therefore TP sensor can exactly measure resistance in accordance with the throttle valve opening.
- If the throttle valve opening is small, the voltage sent to the ECM is low. The voltage becomes higher, as the throttle valve opening becomes larger.
- Depending on the data from the TP sensor, The ECM:
  – Determines basic fuel discharge duration.
  – Cuts off the fuel supply during deceleration (also depending on the data from the MAP and CKP sensor).
  – Increases amounts of the discharged fuel during acceleration.




## SYSTEM DIAGRAM

(1) Sensor unit connector (Wire side)
(1) Sensor unit connector (Sensor side)
(2) ECM connector (Wire side)