

IAT SENSOR

- IAT sensor detects temperature of incoming air into engine.
- IAT sensor consists of a thermistor that varies its resistance value according to changes of temperature.
- IAT sensor detects changes of intake air temperature by converting them into the changes of thermistor's resistance values. ECM inputs the resistance values by converting them into variable voltages.
- Output voltage into ECM is high when intake air temperature is low. The voltage becomes lower as temperature increases.
- Depending on output voltage, ECM corrects discharge duration corresponding with intake air temperature.

