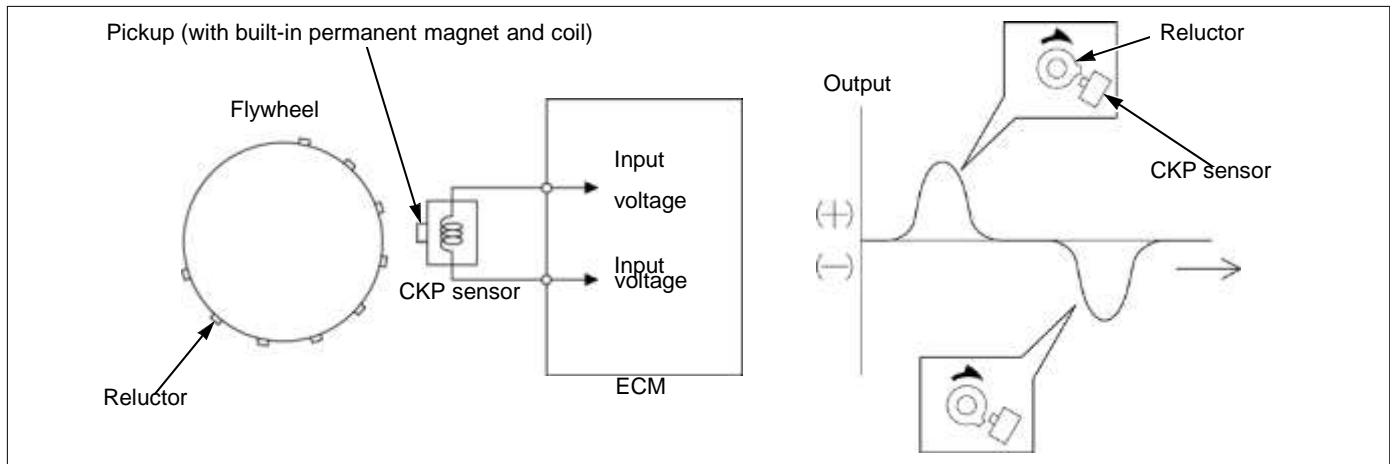




ELECTRICAL SYSTEM

CKP SENSOR

- CKP sensor detects engine revolutions and crankshaft angle.
- CKP sensor consists of the any projection shape reluctors on the flywheel and sensor which includes permanent magnet and pick up coil.
- When the reluctor passes over the sensor as the crankshafts rotates, changes in the magnetic flux occur in the pickup coil. Sensor detects the changes, converts them to pulse voltages and send to the ECM.
- Depending on the data from the TP sensor, The ECM:
 - Determines fuel discharge timing.
 - Determines basic fuel discharge duration (also depending on the data from the TP and MAP sensors).
 - Cuts off the fuel supply during deceleration (also depending on the data from the TP sensor).
 - Determines ignition timing



SYSTEM DIAGRAM

1 CKP sensor connector (Wire side)

2 ECM connector (Wire side)

1 CKP sensor connector (sensor side)

