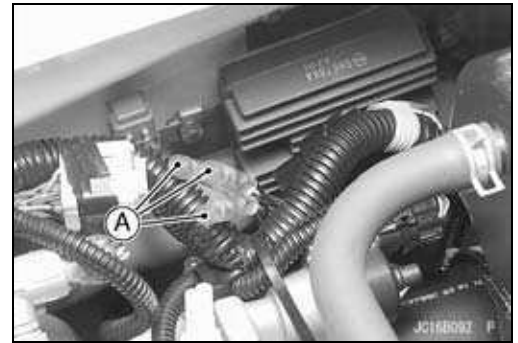


Throttle Sensor (Service Code/Character-11/tPS)

- Disconnect the throttle sensor connector and connect the setting adapter [A] between the harness connector and throttle sensor connector.
- Connect a digital meter to the setting adapter leads.
Special Tool - Throttle Sensor Setting Adapter: 57001-1521



Throttle Sensor Output Voltage
Connections to Sensor
Meter (+) → G/W lead
Meter (-) → BK/W lead

- Measure the sensor output voltage with the idle speed.

Output Voltage at Sensor
Standard: 1.08 ~ 1.18 V DC (at idle throttle opening)

CAUTION

Never drop the throttle sensor, especially on a hard surface. A shock to the sensor can damage it.

- After throttle sensor voltage inspection, remove the setting adapter.
- ★ If the reading is out of the standard range, inspect the throttle sensor resistance.
- ★ If the output voltage is normal, check the wiring for continuity (see next diagram).

Resistance Inspection

- Turn the ignition switch OFF.
- Remove:
 Air Filter (see Air Filter Removal)
- Disconnect the throttle sensor connector and connect the setting adapter [A] to the throttle sensor [B].
Special Tool - Throttle Sensor Setting Adapter: 57001-1521

- Do not connect the harness connector.
- Connect a digital meter [C] to the harness adapter leads.
- Measure the throttle sensor resistance.

Throttle Sensor Resistance
Connections to
Harness Adapter: R lead [D] ↔ BK/BL lead [E]
Standard: 4 ~ 6 kΩ

- ★ If the reading is out of the range, replace the throttle body assy.
- ★ If the reading is within the range, but the problem still exists, replace the ECU.

