

IGNITION SYSTEM

With the ignition coil primary wires connected, connect the imrie diagnostic tester or peak voltage adaptor probes to the ignition coil primary terminal and ground.

TOOL:

**Imrie diagnostic tester (model 625) or
Peak voltage adaptor 07HGJ-0020100
with commercially available digital multimeter
(impedance 10 M Ω /DCV minimum)**

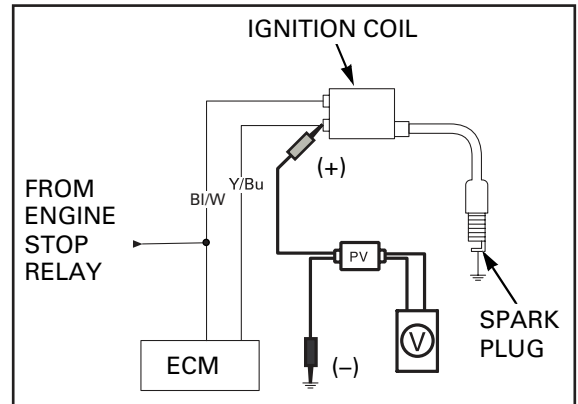
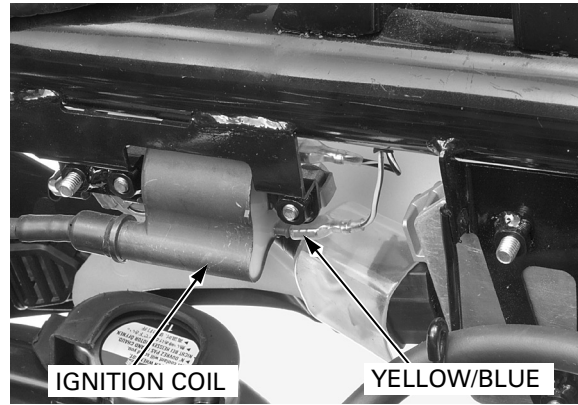
CONNECTION: Yellow/Blue (+) – Ground (–)

Turn the ignition switch ON.
Check the initial voltage at this time.
The battery voltage should be measured.
If the initial voltage cannot be measured, follow the checks in the troubleshooting table (page 19-4).

Squeeze the brake lever fully.
Crank the engine with the starter motor and measure the ignition coil primary peak voltage.

PEAK VOLTAGE: 100 V minimum

If the peak voltage is lower than the standard value, follow the checks in the troubleshooting table (page 19-4).



CKP SENSOR PEAK VOLTAGE

- Check all system connections before inspection. If the system is disconnected, incorrect peak voltage might be measured.
- Check cylinder compression and check that the spark plug is installed correctly.

Turn the ignition switch OFF.

Disconnect the ECM 33P connector (page 6-48).

Connect the Imrie diagnostic tester or peak voltage adaptor probes to the ECM 33P connector terminals.

TOOLS:

**Imrie diagnostic tester (model 625) or
Peak voltage adaptor 07HGJ-0020100
with commercially available digital multimeter
(impedance 10 M Ω /DCV minimum)
Test probe 07ZAJ-RDJA110**

CONNECTION: No. 23 (White/Yellow) (+) – No. 12 (Yellow) (–)

Turn the ignition switch ON and squeeze the brake lever fully.

Crank the engine with the starter switch and measure the CKP sensor peak voltage.

PEAK VOLTAGE: 0.7 V minimum

If the peak voltage measured at the test harness is abnormal, measure the peak voltage at the CKP sensor 2P connector.

