

Ignition System Inspection

NOTE

- If no spark jumps at the plug, check all connections for loose or poor contact before measuring peak voltage.
- The reading differs depending on the multimeter input impedance. Therefore, use only Honda genuine digital multimeter or commercially available multimeters with the input impedance higher than 10 M Ω /DCV.
- If using Imrie diagnostic tester (model 625), follow the manufacturer's instructions.

Connect the peak voltage adaptor to the digital multimeter.

S. TOOL

Imrie diagnostic tester (model 625) made in Australia or
Peak voltage adaptor 07HGJ-0020100 with
Digital multimeter 07411-0020000

Ignition Coil Primary Peak Voltage

NOTE

- Check all system connections before inspection. Poor connected connectors can cause incorrect readings.
- Check that the cylinder compression is normal and the spark plug is installed correctly into the cylinder head.

Place the scooter on its center stand.

Remove the frame body cover (page 2-3).

Remove the spark plug cap from the plug, install a known good spark plug to the plug cap and ground it to the engine as shown.

Connect the peak voltage adaptor \oplus probe to the ignition coil primary (black/yellow) wire terminal and the \ominus probe to the body ground.

Turn the ignition switch ON.

Crank the engine with the kickstarter or starter motor and read the ignition coil primary peak voltage.

Connection:

Black/yellow wire terminal \oplus - Body ground \ominus
Peak voltage: 100 V minimum

⚠ WARNING

- To avoid possible electrical shock during voltage measurements, do not touch test probe metal parts.

If the peak voltage is abnormal, check an open circuit or poorly connected connectors in black/yellow wire.

If no defects are found in the harness, refer to the troubleshooting chart (page 14-3).

