

Ignition System

Check the ignition coil 2P mini connector(red) connectors for corrode or loose connection.

Disconnect the spark unit connection and connect the peak voltage adaptor on the harness side connector.

Measure the peak voltage at the spark unit connector and record it.

Connecting points :

No. 1/4 coil : Y/Bu(+) and Green(-)

No. 2/3 coil : Bu/Y(+) and Green(-)

Compare their values (at the ignition coil and at the spark unit connector).

At the ignition coil is normal, but at the spark unit connector is abnormal :

An open circuit or loose connection in Y/Bu or Bu/Y wires.

Both values are abnormal :

Spark unit is likely to be fault.

Check each items referring to the troubleshooting.

Pulse Generator Inspection

NOTE

- Measure the peak voltage with the cylinder compression is applied. Leave off spark plugs in the cylinder head.

Remove the seat (page 2-2).

Disconnect the spark unit connection.

Connect the peak voltage adaptor on the harness side connector.

Connecting points : Y(+) and W/Y(-)

Measure the pulse generator peak voltage while cranking the engine with the starter motor.

Peak voltage : 3.6 V minimum

⚠ WARNING

- Avoid touching the tester probes while measuring the voltage to prevent electric shock.

If the measurement is out of the specification, perform the following procedures:

Disconnect the pulse generator 2P mini connector(red).

Measure the peak voltage at the pulse generator side connector and record it.

Connecting points : Y(+) and W/Y(-)

Compare their values (at the spark unit connector and at the pulse generator 2P mini connector (red)).

At the pulse generator is normal, but at the spark unit is abnormal :

- An open circuit in Y or W/Y wires.
- Loose connection in pulse generator side connector.

Both values are abnormal :

- Pulse generator is likely to be fault. Check each items referring to the troubleshooting.

