


1H



Ignition Coil Inspection

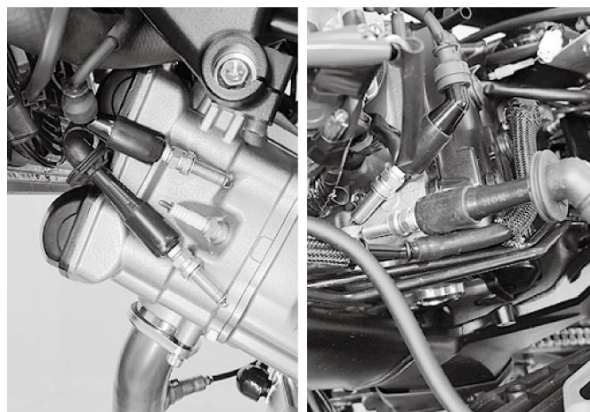
Refer to [Air Cleaner Box Removal and Installation](#).

Ignition Coil Primary Peak Voltage

- 1) Disconnect the all spark plug caps. 
- 2) Connect the new spark plugs to each spark plug cap and ground them to the cylinder heads.

NOTE:

Be sure that all the spark plugs are connected properly and the battery used is in fully-charged condition.



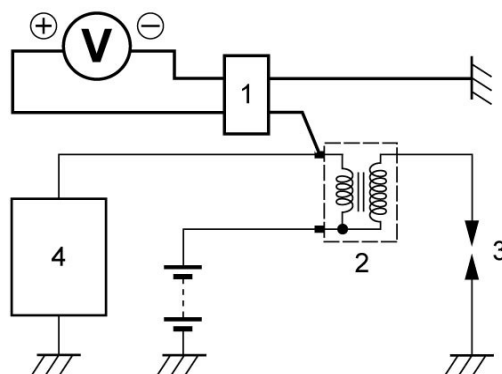
- 3) Connect the multi circuit tester with the peak voltage adaptor (1) as follows:

NOTE:

Do not disconnect the ignition coil terminals.

Ignition coil – circuit tester connection

	(+) Probe	(-) Probe
Ignition coil #1 (Center) (2)	W/BI wire terminal	Ground
Ignition coil #1 (Side) (2)	Y wire terminal	Ground
Ignition coil #2 (Center) (2)	B wire terminal	Ground
Ignition coil #2 (Side) (2)	G wire terminal	Ground



3.	New spark plug	4.	ECM
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- 4) Measure the ignition coil primary peak voltage in the following procedures:

⚠ WARNING:

Do not touch the tester probes and spark plugs to prevent an electric shock while testing.

- Shift the transmission to the neutral and turn the ignition switch ON.
 - Grasp the clutch lever.
 - Press the starter button and allow the engine to crank for a few seconds, and then measure the ignition coil primary peak voltage.
- 5) Repeat the c) procedure several times and measure the highest peak voltage. If the voltage is lower than standard range, replace the ignition coil. 📖

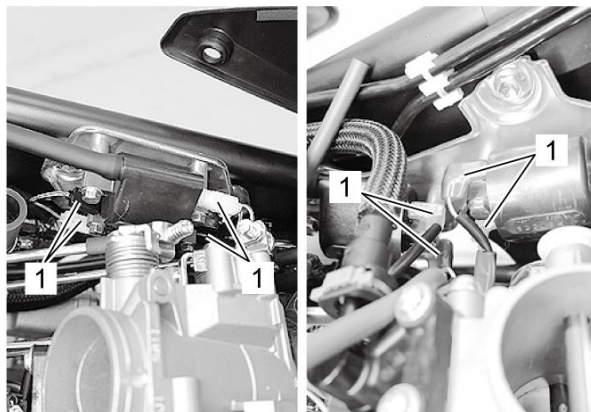
Ignition coil primary peak voltage

150 V or more

- 6) After measuring the ignition coil primary peak voltage, install the removed parts.

Ignition Coil Resistance

- Disconnect the spark plug caps. 📖
- Disconnect the ignition coil terminals (1).

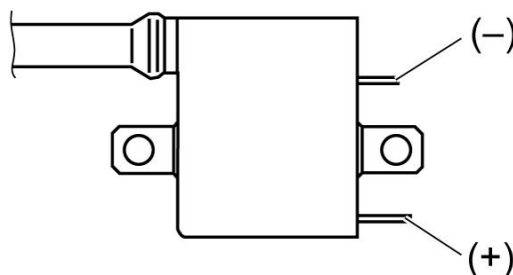


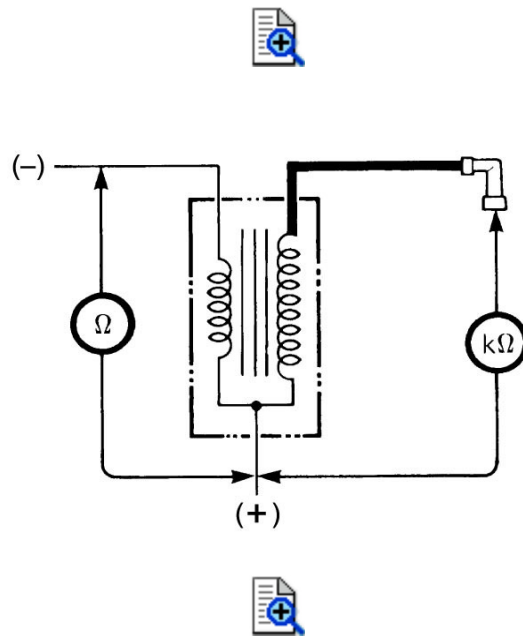
- 3) Measure the ignition coil for resistance in both primary and secondary coils. If the resistance is not within the standard range, replace the ignition coil with a new one.

Ignition coil resistance

Primary: 3.06 – 4.14 Ω ((+) terminal – (–) terminal)

Secondary: 24 – 36 k Ω ((+) terminal – Plug cap)





4) After measuring the ignition coil resistance, install the removed parts.