

**Note :**

Spark condition as shown in Fig. 7-9A is normal. Fig. 7-9B shown the spark condition when the test leads are connected in reverse at the ignition coil.



Fig. 7-8 Ignition coil test

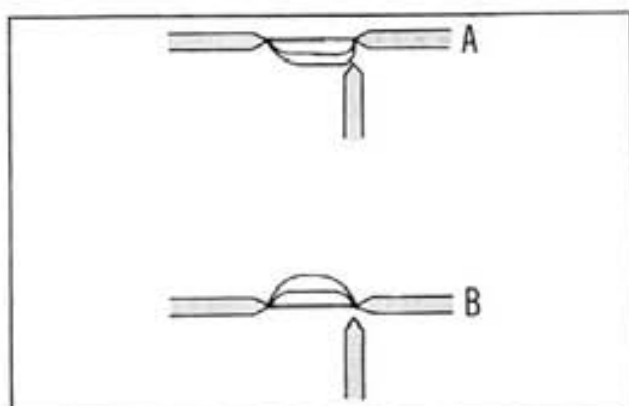


Fig. 7-9

**2. Testing the coil without removing**

External battery is not required. Connect the tester ground lead (black) to the motorcycle frame. Remove the spark plug cap and install the spark plug head attachment on the spark plug. Connect high voltage tester cable to the attachment and then reinstall the spark plug cap.

Turn the ignition switch to the ON position use the kick starter or starting motor to turn over the engine and determine the maximum sparking distance of the coil.

**3. Check the high tension cord for damage and deterioration, if it is found to be improper condition, replace it with new one.****d. Reassembly**

1. Mount the ignition coil assembly on the frame with the two bolts.
2. Connect electrical leads (yellow, blue and black/white leads) to wire harness leads.
3. Install the fuel tank carefully not to damage the electrical leads or cables.

**7-3 SPARK PLUG****a. Description**

The main parts of the spark plug are the electrodes, insulator and the plug body.

Standard spark plug used is NGK D-8ES.

However, the following types are also available for different operating condition (Fig.7-10)

Hotter type	D-7 ES
Standard	D-8 ES
Colder type	D-10 E

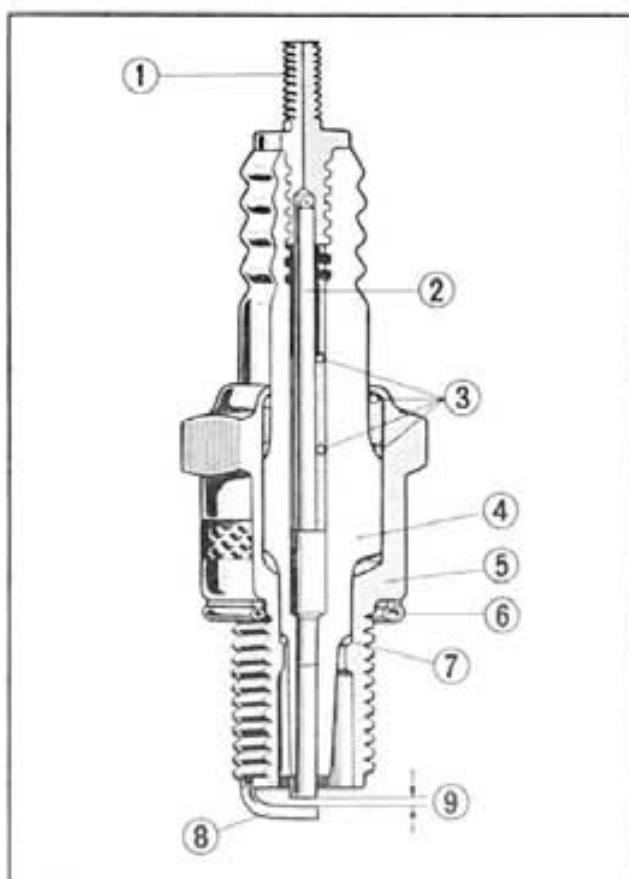


Fig. 7-10 ① Terminal ⑥ Gasket  
 ② Center electrode ⑦ Lower sealing  
 ③ Wire packing ⑧ Ground electrode  
 ④ Insulator ⑨ Spark gap  
 ⑤ Shell