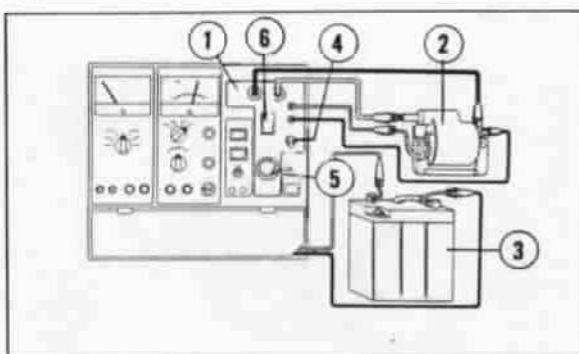
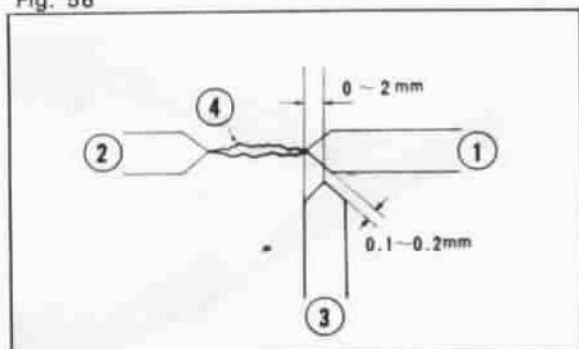


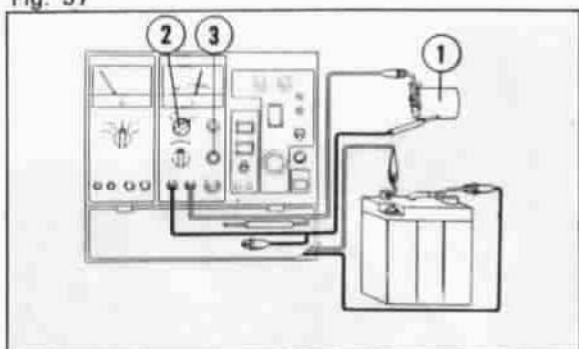
① A-C generator
Fig. 55



① Service tester ② Ignition coil ③ Battery
④ Coil test switch ⑤ Spark gap check dial
⑥ Spark gap finder
Fig. 56



① 1st electrode ② 2nd electrode
③ 3rd electrode ④ Spark
Fig. 57



① Condenser ② Switch "II"
③ "CAPACITY" button
Fig. 58

11. ELECTRICAL SYSTEM

1. Generating System

On the model Z50A, the alternating current generated by the A-C generator consisting of a flywheel magneto and field coil is rectified by the selenium rectifier. Then the direct current is fed to the battery for charging.

A-C generator specifications

| | |
|---------------------------|----------------|
| Type | Flywheel |
| Output | 6V-15W |
| Battery capacity | 6V-2AH |
| Speed under load | 500~11,000 rpm |
| Battery polarity (ground) | Negative |

2. Inspection of Electrical Parts

Inspection with a service tester (Tool No. 07308-0010000)

1. Ignition coil

Ignition coil test

This test is conducted to check the coil performance. If the engine fails to start, check the spark plug, points, condenser, etc. for condition.

- ① Use a battery and service tester and connect them as shown in (Fig. 56).
- ② Turn the service tester selector knob to COIL TEST.
- ③ Observing the spark jumping across a 3-point spark gap, turn the knob and measure the jumping distance (Fig. 57).
- ④ If the spark jumps more 6 mm (0.2362 in.) in air, the coil is in good condition.

2. Condenser

- ① Connect as shown in Fig. 58.
- ② Turn the switch "II" to "CAPACITY" (Condenser capacity measurement).
- ③ Push the "CAPACITY" button and read the scale on the tester.
Specification 0.21 μ F~0.26 μ F