

Fig. 150 Charging test
 ① Red/white wire harness ② Ammeter
 ③ Voltmeter ④ Battery

2. CHARGING SYSTEM

A. Charging test

- 1) Use the ammeter-and-voltmeter.
- 2) Measure the specific gravity of the electrolyte in battery. If it is below 1.26 (corrected to 20°C.), recharge the battery. Its normal value is 1.28 (corrected to 20°C) Perform the following test.
- 3) Disconnect the red/white wire harness terminal from the ⊕ terminal of the battery and connect it to the ⊖ terminal of the ammeter. Connect the ⊕ terminal of battery to the ⊖ terminal of ammeter. Connect the red/white wire harness to the ⊕ terminal of the voltmeter and ground the ⊖ terminal of the voltmeter to earth.
- 4) Start the engine and perform the following two tests in both the day and night operation mode. (Fig. 150)
- 5) Measure the battery voltage and charging current. If they are less than values shown in the following table, check or replace the stator, selenium rectifier, ignition coil and condenser with new one.

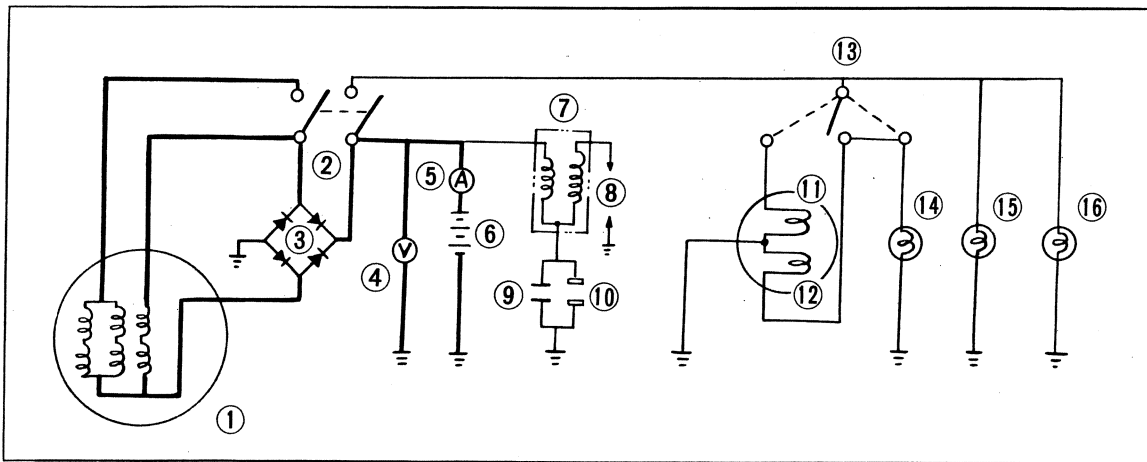


Fig. 151 ① A.C. generator ② Lighting switch ③ Selenium rectifier ④ Voltage meter ⑤ Ammeter ⑥ Battery 6V-6AH ⑦ Ignition coil ⑧ Spark plug ⑨ Condenser ⑩ Contact breaker ⑪ Headlight high beam ⑫ Headlight low beam ⑬ Dimmer switch ⑭ Highbeam pilot light ⑮ Tail/stop light ⑯ Meter light

	Lighting switch		Dimmer switch	Initial charging r.p.m.		5000 r.p.m.	
				r.p.m.	Battery Voltage	Charging current	Battery Voltage
100cc Series	Day	OFF	OFF	1000 r.p.m.	6.8 V	1.3 A	7.8 V
		ON	HB (high beam)	3500 r.p.m.	6.8 V	1.3 A	7.8 V
	Night	ON	LB (low beam)	2200 r.p.m.	6.8 V	1.3 A	7.2 V
125cc Series	Dry	OFF	OFF	1000 r.p.m.	6.8 V	1.7 A	7.9 V
	Night	ON	LB (low beam)	2000 r.p.m.	6.8 V	1.3 A	7.8 V