

CHARGING TEST

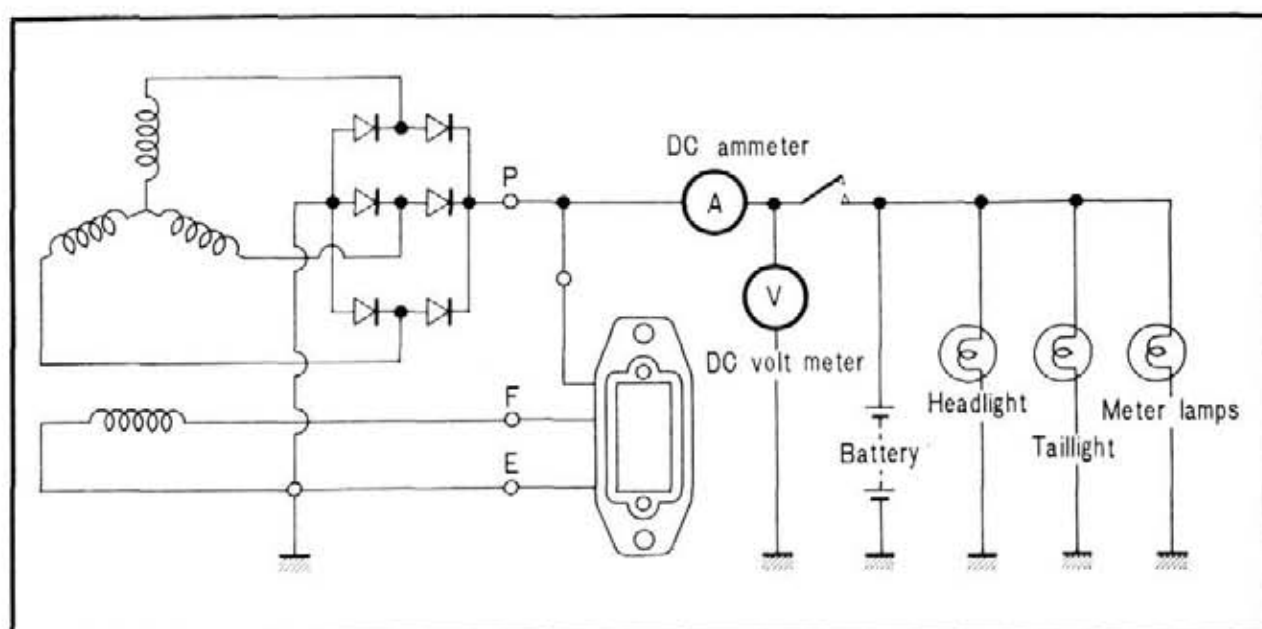


Fig. 8-3

1. Check the battery voltage in accordance with procedure described in the Battery Group, page 105. Make sure that the battery voltage is at 12 V, if not, charge the battery conducting the following test.
 2. From the battery (+) terminal remove the red/white selenium rectifier lead and the red power lead, and connect both to the (+) terminal of the ammeter. Next, connect the battery (+) terminal to the ammeter (-) terminal by using a wire lead.
 3. Start the engine and conduct the test for the following two modes :
 - a. Set the main key switch to the night riding position turning on only the headlight high beam.
 - b. Set main key switch to day riding position, however, do not turn on the turn signal or the stop lights.
 4. Operate the engine at the different speed listed in the table below and check to see if the measured value corresponds to those shown.
If the measured values are below the rated current, adjust the regulator in accordance with next section on page 100~101.
- Note : The charge current may fluctuate slightly depending upon the charge condition of the battery.**
5. Also, check the battery terminal voltages for the respective engine RPM. The rated voltages are shown in the table below.

Engine (rpm)	1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000
Charging current (A)								
Night riding	6.5	0	2.4	1.3	1.0	1.0	0.8	0.6
Day riding	2-3	1	1	1	1	1	1	1
Battery terminal voltage (V)	12	12.4	13.2	14.5	14.5	14.5	14.5	14.5