

VOLTAGE SETTING

To check the generator output, disconnect the battery ground cable. Connect the voltmeter to 30/51 on the Twin (B+ on the R 27) and to ground. Start the engine and rev to approximately 2,000 rpm. The voltage output without load should be

No Load: 7.2 - 7.9 volts

Turn on the headlight and stoplight, the reading should then be

Load (60W): 6.5 - 7.4 volts

Cut out relay setting: (reverse current relay) Connect the voltmeter to 61 and ground. Disconnect the battery wire at the generator terminal 30/51 and connect the ammeter (double reading) between this wire and terminal 30/51. Start the engine, slowly increase the rpm and observe both gauges. When the ammeter shows a positive movement, read the voltmeter. It should read between 6.4 - 7.1 volts. This is the cut in voltage.

Increase the rpm to approximately 2,000 rpm. then turn the throttle completely off. Observe the ammeter; it will go to zero and to negative (if necessary, reduce idling speed). When the reverse current attains a value of from 2 to 7.5 amps, the needle of the ammeter will kick back to zero. This is the cut out current.

2 contacts on regulator
① field current
② output voltage