

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.