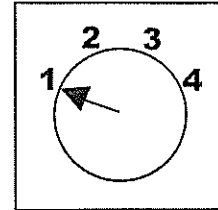




Table 1 – Voltage Select Switch Position		
4 Voltage Setpoints (Fig. 1)		Battery Type
Position 1	27.5 V	Maintenance (D Category)
Position 2	28.0 V	Maintenance-Free (Group 31)
Position 3	28.5 V	Maintenance-Free (Group 31)
Position 4	29.0 V	Battery Isolator setpoint



Note: On Group 31 batteries, if boiling or excessive gassing occurs with high voltage setpoint (position 3), change to medium voltage setpoint (position 2).

Figure 1 – 4 Voltage Setpoints

1. Before installing, turn regulator over and select appropriate voltage setpoint for battery type (See Table 1 and Fig. 1).
2. Install new regulator as described below:
 - a. Mount new regulator on alternator in the same position as the previous regulator.
 - b. Use regulator mounting screws and washers supplied. Torque screws to 8.5 Nm/75 lb. in.
3. Plug the alternator-to-regulator harness into the regulator.
4. Regulator connections:
 - Connect IGN terminal to ignition source through existing switch. Torque M5 terminal nut on regulator to 4.5 Nm/40 lb. in.
 - D+ terminal provides 28 VDC sense voltage to multiplex controller. When connecting D+ terminal to controller through a relay, the relay coil must be diode protected and rated for proper voltage. Torque M6 terminal nut on regulator to 4.5 Nm/40 lb. in.
 - Connect P terminal to tachometer or relay. P terminal taps AC voltage, typically half the charge voltage. Torque M6 terminal nut on regulator to 4.5 Nm/40 lb. in.