



Table 1 – Voltage Select Switch Position

4 Voltage Setpoints (Fig. 1)		Battery Type
Position 1	14.0 V	Maintenance (D Category)
Position 2	14.4 V	Maintenance-Free (Group 31)
Position 3	14.8 V	Maintenance-Free (Group 31)
Position 4	15.5 V	Battery Isolator setpoint

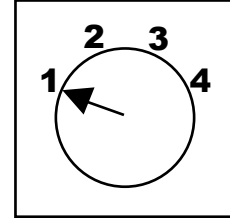


Figure 1 – 4 Voltage Setpoints

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

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 screws and washers (if supplied). Torque regulator mounting screws to 8.5 Nm/75 lb. in.
3. Plug the alternator-to-regulator harness into the regulator.
4. A2-155 regulator connections:
 - Connect IGN terminal to ignition source through existing switch. Torque M5 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.
5. A2-149 regulator connections:
 - D+ terminal provides 14 VDC voltage output 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 M5 terminal nut on regulator to 4.5 Nm/40 lb. in.
 - Connect R terminal to tachometer or relay. R terminal taps AC voltage, typically half the charge voltage. Torque M6 terminal nut on regulator to 4.5 Nm/40 lb. in.