



Follow the instructions below to install an A2-341 regulator:

1. Before installing, turn regulator over and set to same setting as regulator being replaced or make sure setting is appropriate for type of battery used. See Figure 1 and Table 1 for voltage set point options.
2. Mount regulator on alternator and torque four M6x1x20mm mounting screws (supplied) to 8.5 Nm/75 lb. in.
3. Plug alternator-to-regulator into receptacle on regulator. See Figure 2 for receptacle location.
4. Connect regulator terminals as required by vehicle:
 - Regulator **IGN terminal (if required)**: Regulator must receive voltage from vehicle DC ignition source or multiplex in order to become energized. Torque terminal hardware to 4.5 Nm/40 lb. in. See Figure 2 for terminal identification.

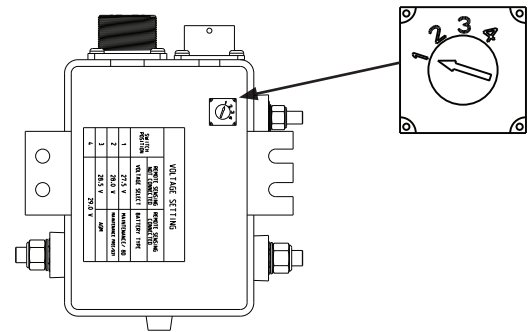


Figure 1: Regulator Voltage Selection Switch (Factory setting is position 1)

NOTICE

Voltage should be present at regulator IGN terminal when ignition is on or engine is running. No voltage should be present when ignition is off or engine is not running.

- Regulator **D+ terminal (if required)**: Provides DC system battery voltage to vehicle (5A maximum) for charge indicator lamp, relay, or multiplex while alternator is producing output. Torque terminal hardware to 4.5 Nm/40 lb. in. See Figure 2.
- Regulator **P/AC terminal (if required)**: Taps AC voltage from alternator, typically half the charge voltage (3A maximum). P/AC terminal provides alternator RPM frequency at 7.5:1 ratio for use with tachometer. Torque terminal hardware to 4.5 Nm/40 lb. in. See Figure 2.

NOTICE

If using relay for R/P/AC circuit, coil must be diode-protected and properly rated.

5. If using a J1939/temperature-voltage harness or sensor, plug J1939 harness into J1939 receptacle on regulator. See Figure 2 for receptacle location. Harness sold separately¹.
6. If using a multiple alternators in a parallel-operation setup, plug J1939 communication harness into J1939 receptacle connecting each regulator. See Figure 2 for receptacle location. Harness sold separately².

Position	Remote Sensing Not Connected	Remote Sensing Connected ¹
1	27.5 V	Maintenance (8D)
2	28.0 V	Maintenance-free (G31)
3	28.5 V	AGM
4	29.0 V Flat	

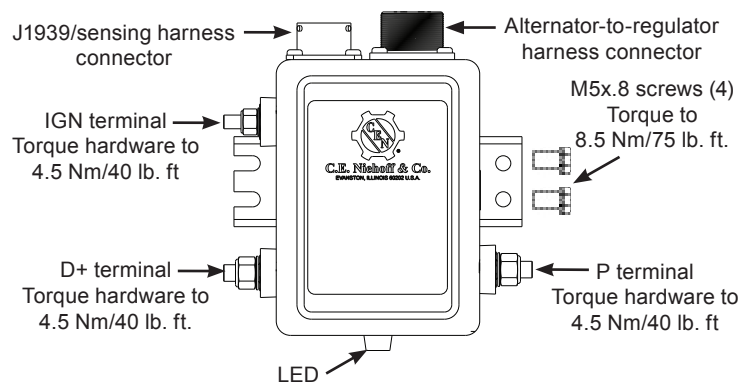


Figure 2: Regulator Connections

1. Contact CEN for battery sensor/harness options
2. Contact CEN for parallel operation harness options