



NOTICE: These 28V regulators can be used with or without temperature-voltage sense/J1939 harness from vehicle.

- When temperature-voltage sense/J1939 harness is not connected, regulator will operate at a fixed voltage determined by setpoint of switch located on bottom of regulator. See column 2 in Table 1.
- When temperature-voltage sense/J1939 harness is connected, regulator will automatically optimize charge voltage for battery type, based on temperature. See column 3 in Table 1
- For parallel operation, ensure that interconnect cable is connected between both regulators and set voltage selection switch on both regulators to same setting.

Table 1 – Regulator Voltage Selection Switch Settings		
Switch Setting	Voltage (Harness Not Connected)	Battery Type (Harness Connected)
Position 1	27.5V	Maintenance (D Category)
Position 2	28.0V	Maintenance-Free (Group 31)
Position 3	28.5V	AGM
Position 4	29.0V	DO NOT USE POSITION #4

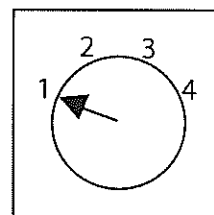


Figure 1 - Voltage Selection Switch

1. Disconnect harness and remove existing regulator from alternator.
2. Turn A2-362/A2-363 regulator over and select switch setting for rate of charge or battery type, as listed in Table 1.
3. Secure A2-362/A2-363 regulator to alternator with supplied flange lock screws. Torque screws to 8.5 Nm/75 lb in.
4. Connect alternator-to-regulator cable to connector 1 on regulator.
5. Connect temperature-voltage sense/J1939 harness (or interconnect cable for parallel operations) to connector 2 on regulator.
6. If required, connect a D+ controller or vehicle ignition to connector 3 on regulator. D+ pin on connector 3 provides 28V sense voltage. Maximum current from D+ is 5A. Controller relay coil must be diode-protected and rated for 28V.

NOTICE

A2-362/A2-363 regulators can function with or without vehicle ignition. When necessary, ignition signal can be connected through connector 3 on regulator. Circuit should be off (no voltage present) when vehicle ignition is off or engine is not running.

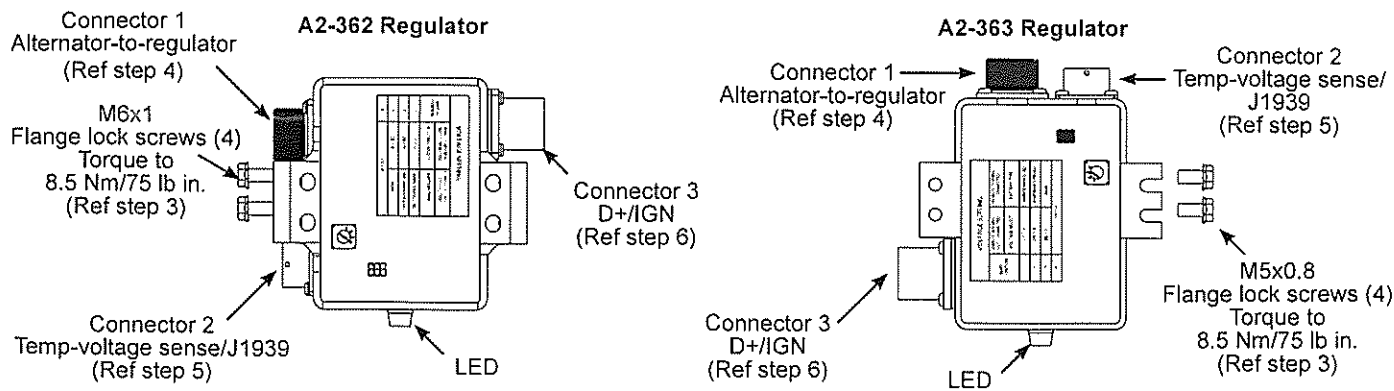


Figure 2 - A2-362/363 Regulator Connections