



**Installation Instructions**

1. Install regulator on alternator, using mounting hardware furnished with regulator. Torque screws to 8.5 Nm/75 lb. in.
2. Plug alternator-to-regulator harness securely into regulator.
3. If A9-4011 temperature sense lead is used, see Figure 1:
  - a) Connect twin lead ends of A9-4011 temperature sense lead:
    - one to regulator T terminal, using hardware furnished, torque terminal nut to 4.5 Nm/40 lb. in.
    - the other to one mounting bolt. Retorque to 8.5 Nm/75 lb. in.
  - b) Connect single sense lead ring terminal to B- terminal on battery as shown in Figure 1. Tighten hardware securely.
  - c) Coil up any unused sense lead and use cable ties every 12-14 inches to securely support temperature sense lead between regulator and battery.
4. Complete remaining connections to regulator, if required, as shown in Figure 1.
  - 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.
  - Connect D+ terminal to multiplex controller: D+ terminal provides 28 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.
5. When the A9-4011 temperature sense lead is not in use, the regulator will operate at 27.5 V.
6. When A9-4011 temperature sense lead is in use, the lead senses the ambient temperature within the battery box and regulator will adjust charge voltage based on battery temperature—the higher the battery temperature, the lower the charge voltage.

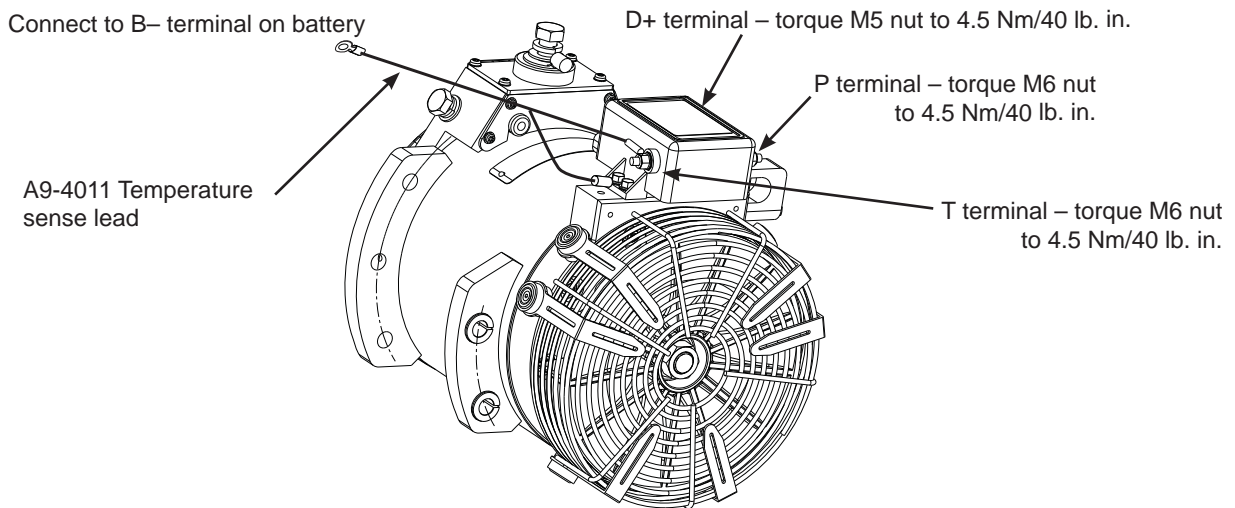


Figure 1 – A2-337 Regulator on C626 Alternator with Temperature Sense Lead