



Retrofit/Upgrade Installation Instructions

Install alternator as shown in Figure 1:

1. Units are shipped with shaft collar, disc spring washer and nut. Remove and discard shaft collar. Install pulley and furnished disc spring washer. Torque nut to 135 Nm/ 100 lb. ft.
2. Install alternator on pad mount per vehicle manufacturer's instructions, including hardware specifications and torque.
3. All cabling, wiring or conduit must be supported within 305 mm/12 in. of termination on alternator.
4. Choose wire gauge for B+ and B- cables capable of handling maximum alternator output with minimum voltage drop.
5. Install regulator as follows:

A2-334—install regulator on alternator and torque mounting screws to 8.5 Nm/75 lb. in. Plug alternator-to-regulator harness securely into regulator.

A2-335—install regulator in remote location as specified by customer. Plug alternator-to-regulator harness securely into regulator.

A2-348—install regulator on alternator and torque mounting screws to 8.5 Nm/75 lb. in.

- Plug alternator-to-regulator harness securely into 5-socket receptacle on regulator.
- Plug temperature sensing/voltage sensing harness from vehicle into 5-pin receptacle on regulator.

A2-350—install regulator in remote location as specified by customer.

- Plug alternator-to-regulator harness securely into 5-socket receptacle on regulator.
- Plug temperature sensing/voltage sensing harness from vehicle into 5-pin receptacle on regulator.

6. Make electrical connections to regulator as required, using proper ring terminals (follow vehicle manufacturer's diagram packed with extended wiring harness when used):

- a. Make sure alternator-to-regulator harness is plugged securely in regulator receptacle.
- b. Torque terminal nuts with disc spring washers to 4.5 Nm/40 lb. in.
 - P terminal taps AC voltage, typically half the charge voltage.
 - IGN terminal provides external energize on A2-334 and A2-335 regulators only.

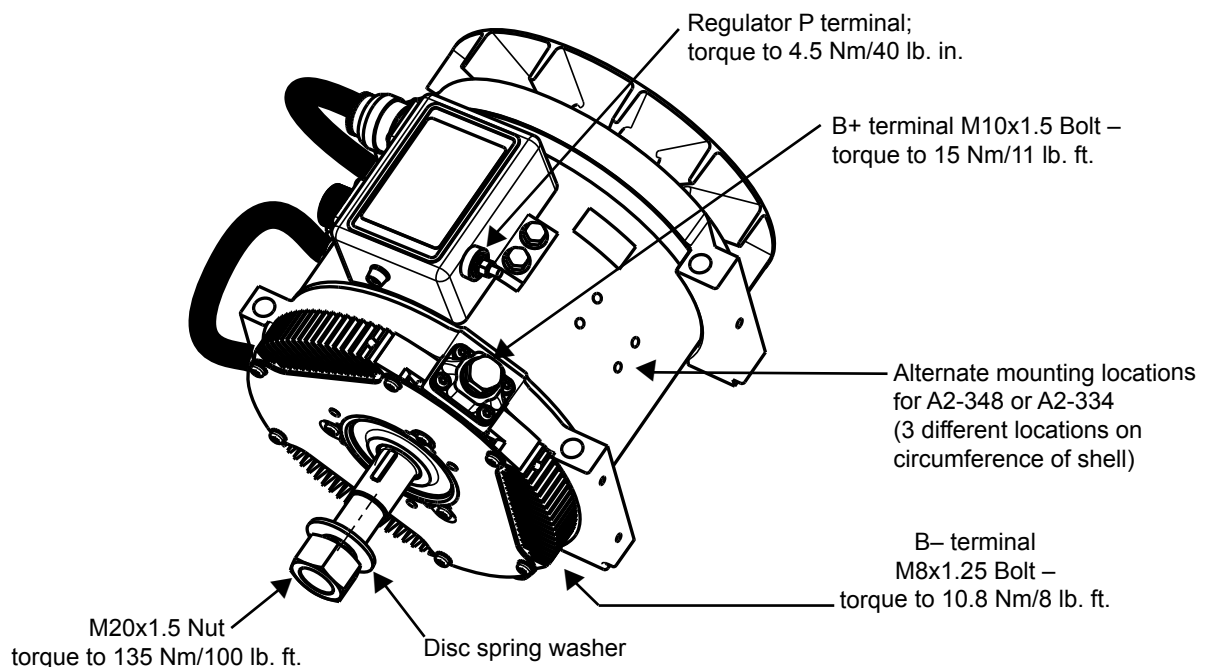


Figure 1—C527 Alternator w/A2-348 Regulator (shown) Installation Details