



**Installation Instructions**

**CAUTION**

This symbol is used to indicate presence of hazards that can cause minor property damage.

1. Install alternator as shown in Figure 1:

**CAUTION**

Slip bushing located in rear mounting foot must be securely tightened against alternator mounting bracket on engine. Failure to do so can result in broken mounting feet or broken upper mounting bracket.

- a. Use hardened washers between aluminum surfaces and bolt heads and nuts.
- b. OEM units are shipped with pulley, flat washer, and locknut installed.
- c. Aftermarket units are shipped with shaft collar, flat washer, and locknut installed. Remove and discard shaft collar. Install pulley and furnished flat washer. Torque locknut to 163 Nm/120 lb. ft.
- d. Follow vehicle manufacturer's recommendations for belt tension.

- 2. All cabling, wiring, or conduit must be supported within 305 mm/12 in. of termination on alternator.
- 3. Choose wire gauge capable of handling maximum alternator output with no more than 0.2 V drop on each leg from alternator to battery.
- 4. Regulator is furnished on OEM units and is supplied separately by request with aftermarket units. Mounting screws on regulator should be torqued to 8.5 Nm/75 lb. in.
- 5. Control unit electrical connections:
  - a. Make sure alternator-to-regulator harness plug is secure in regulator receptacle.
  - b. E stud terminal: Torque terminal nut to 2.3 Nm/20 lb. in.
  - c. R/P1/P2/P3/F+ stud terminals: Torque terminal nuts to 8.5 Nm/75 lb. in.

Slip bushing must be tightened against bracket — see "CAUTION" above

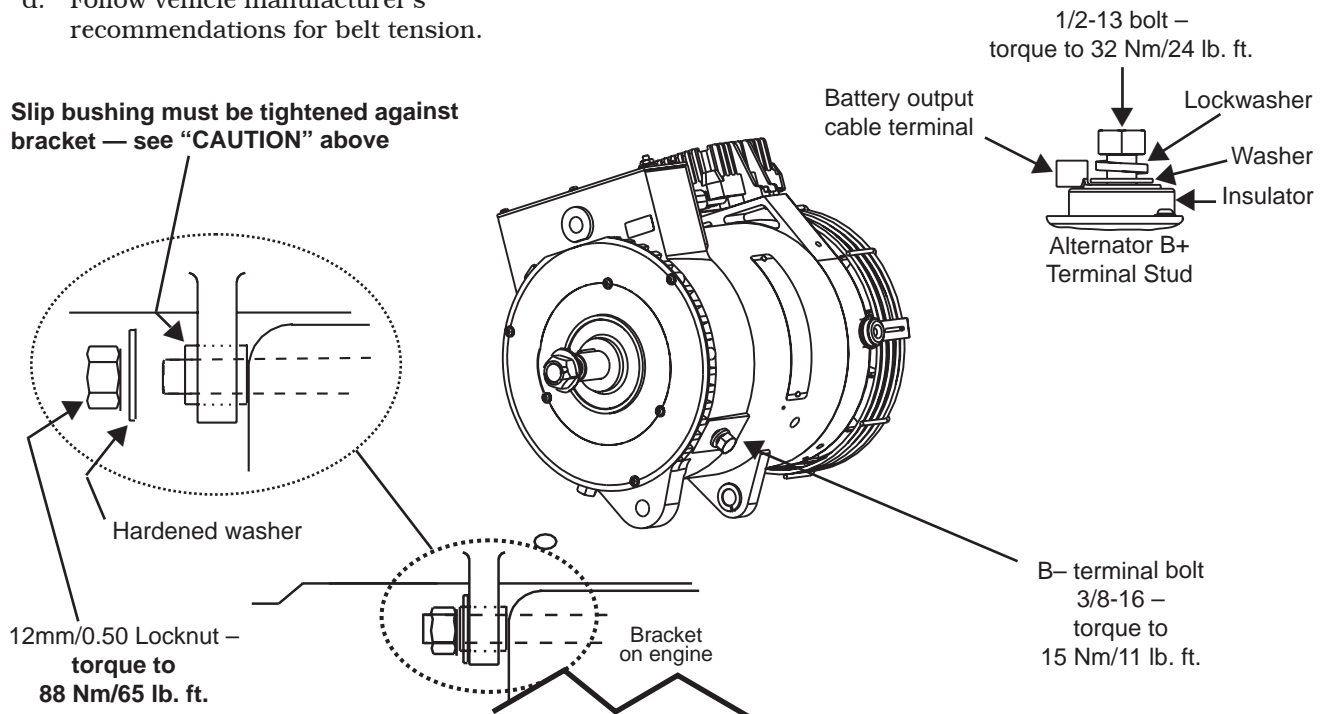


Figure 1 - Alternator Installation Details