

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. Make electrical connections to A2-128 regulator as required, using proper ring terminals:
 - a. Make sure alternator-to-regulator harness is plugged securely in regulator receptacle.
 - b. A2-128 regulator has P and F+ terminals with .2500-20 studs and an IGN terminal with a #10-24 stud. Torque terminal nuts to 3.4 Nm/30 lb. in.
 - IGN terminal receives power from ignition source to turn system on only while engine is running.
 - P terminal can tap AC voltage, typically half the charge voltage. When required, connect P terminal to tachometer or relay.
 - F+ terminal receives field coil power supply from the battery. If a battery isolator is used in the system, the F+ terminal must be connected directly to the B+ terminal on the battery. If a battery isolator is not used in the system, the F+ terminal must be jumpered to the alternator B+ terminal so that the field circuit becomes activated.

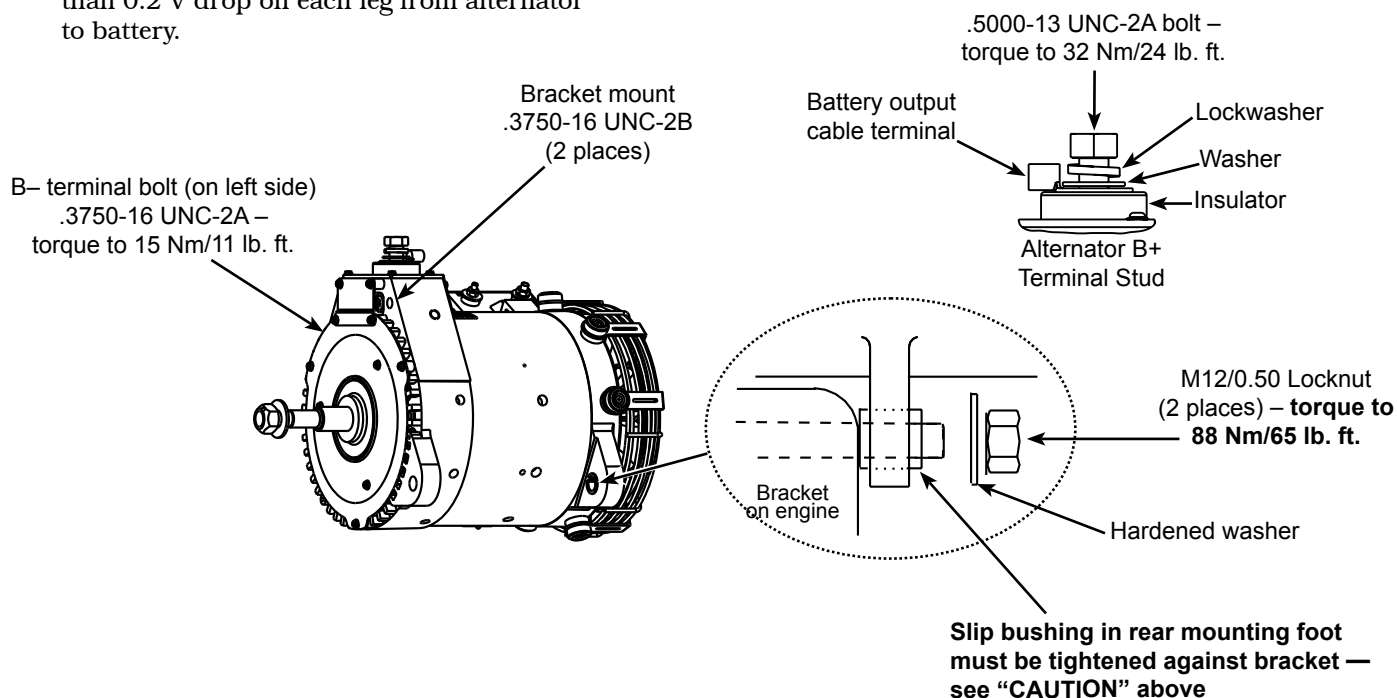


Figure 1 - Alternator Installation Details

Please reference the following documents:

- **Alternator troubleshooting guides by alternator model at www.CENiehoff.com**
- **Maintenance interval information at www.CENiehoff.com:**
 - SB0015—Bus Vehicles**
 - SB0014—Mining Vehicles**
 - SB0012—Fire and EMS Vehicles**
- **CEN 600 Series Alternator Service Manual SM6 from the address listed below.**
- **To order genuine CEN service parts or to locate a Factory Authorized Service Dealer, please contact:**

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