

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. IGN stud terminal: Torque terminal nut to 2.3 Nm/20 lb. in.
 - c. P1/P2/P3/F+ Sense stud terminals: Torque terminal nuts to 8.5 Nm/75 lb. in.

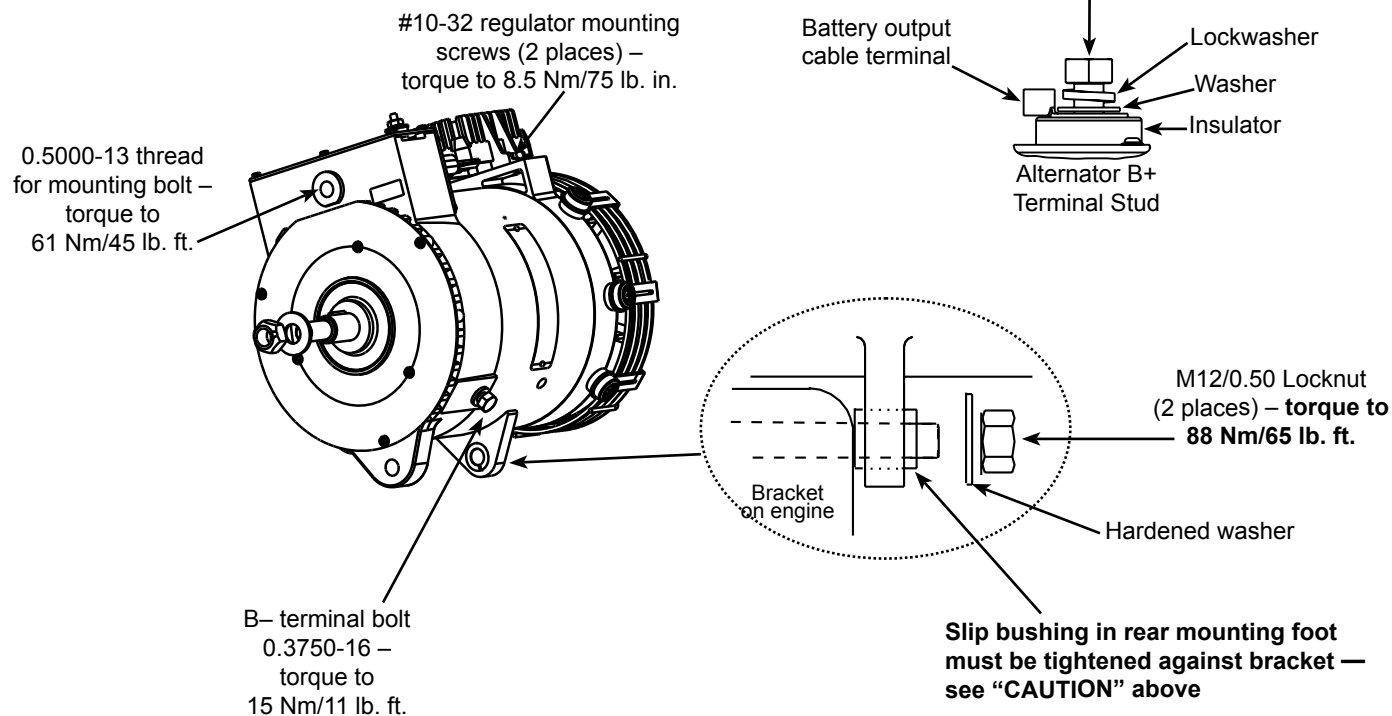


Figure 1 - Alternator Installation Details

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:**

C.E. Niehoff & Co.
2021 Lee Street • Evanston, IL 60202 USA
TEL: 800.643.4633 USA and Canada •
TEL: 847.866.6030 outside USA and Canada •
FAX: 847.492.1242 •
E-mail us: sales@CENiehoff.com
Visit our Web site: www.CENiehoff.com

