



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. **Alternator has two pairs of mounting lugs, so it can be either right or left mounted. One of the opposite mounting lugs can be used for tensioner.** When adjusting belt tension, mounting foot hardware must be loosened. After belt tension is adjusted or when mounting alternator, tighten drive end mounting hardware before anti-drive end hardware.

CAUTION

Slip bushing located in anti-drive end mounting lug must be securely tightened against alternator mounting bracket on engine. Failure to do so can result in broken mounting lugs.

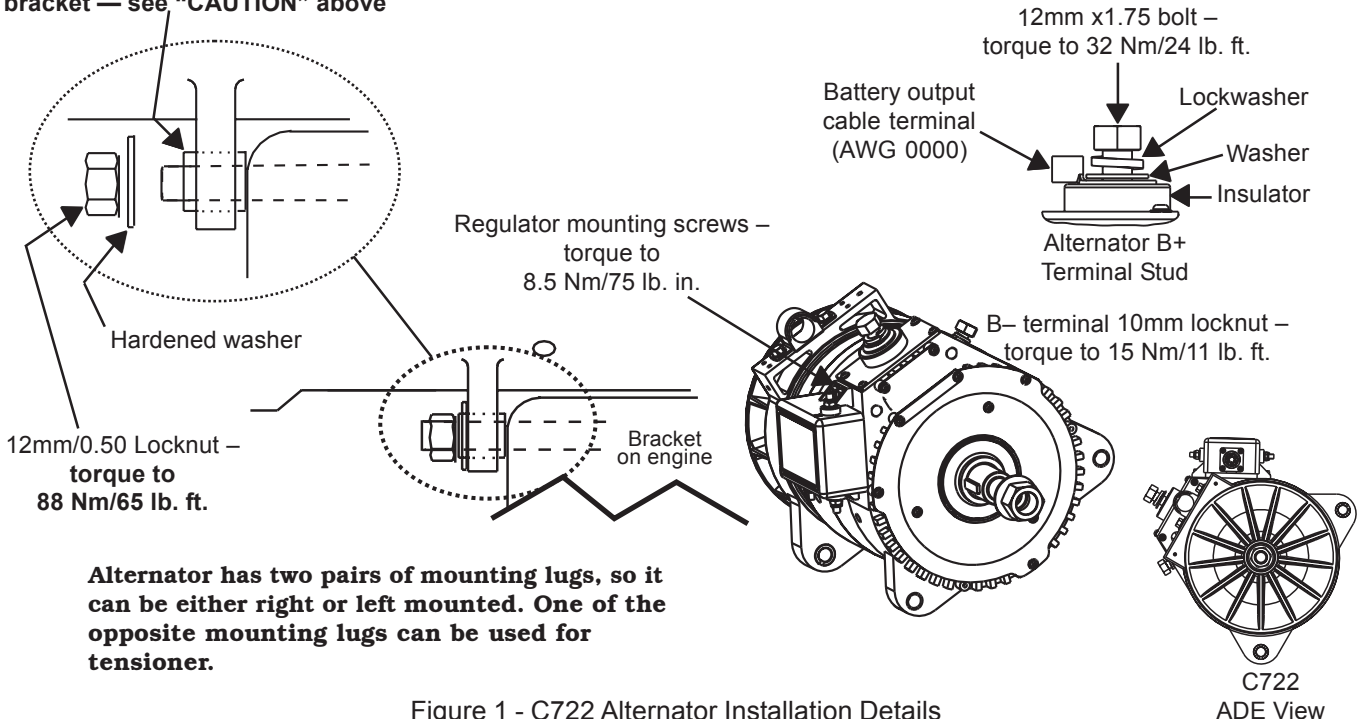
- a. Use hardened washers between aluminum surfaces and bolt heads and nuts.
- b. OEM units are shipped with pulley, hardened washer and locknut installed.
- c. Aftermarket units are shipped with shaft collar, hardened washer and locknut. Remove and discard shaft collar. Install pulley and furnished hardened 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. Mounting screws on cable clamp should be torqued to 15 Nm/130 lb. in.
 3. Choose wire gauge capable of handling maximum alternator output with no more than 0.4 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. Regulator electrical connections:
 - a. Make sure alternator-to-regulator harness plug is secure in regulator receptacle.
 - b. A2-212 regulator has R (or W) and D+ 6mm stud terminals, and an E 5mm stud terminal. Torque terminal nuts to 4.5 Nm/40 lb. in.

CAUTION

Make sure regulator wiring is connected to the correct terminals otherwise permanent damage will occur. R (or W) terminal has voltage limiter that limits output voltage to 8V peak. Output voltage frequency (Hz) = alternator rpm/10.

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



Alternator has two pairs of mounting lugs, so it can be either right or left mounted. One of the opposite mounting lugs can be used for tensioner.

Figure 1 - C722 Alternator Installation Details

C722
ADE View