



Follow these instructions to properly install an N1390 alternator fitted with an N3269 regulator:

1. Remove nut and disc spring washer from shaft, then remove and discard shaft collar.
2. Make sure Woodruff key is securely wedged in shaft slot.
3. Install pulley, disc spring washer, and nut on shaft in that order. See Figure 1. Torque pulley nut to 163 Nm/120 lb. ft.

CAUTION

Do not hammer pulley when installing pulley on shaft. Carefully slip-fit pulley over shaft to prevent shaft from moving out of place.

4. Mount alternator on engine and torque mounting bolts to engine manufacturer's specifications.
5. Install belt on pulley and tension belt to engine manufacturer's recommendation (typically 80-120 lbs).

CAUTION

All cables must be supported within 300 mm (12 in.) to prevent twisting, loosening, and damage to terminals.

6. Connect vehicle B+ cable to alternator B+ terminal as shown in Figure 1. Install hardware in stacking order shown in Figure 2. Torque B+ terminal bolts to 30 Nm/22 lb ft.
7. Connect vehicle B- cable to alternator B- terminal. See Figure 1. Install cable hardware in stacking order shown in Figure 2. Torque B- terminal bolts to 15 Nm/11 lb ft.
8. Install N3269 regulator according to instructions on page 2.

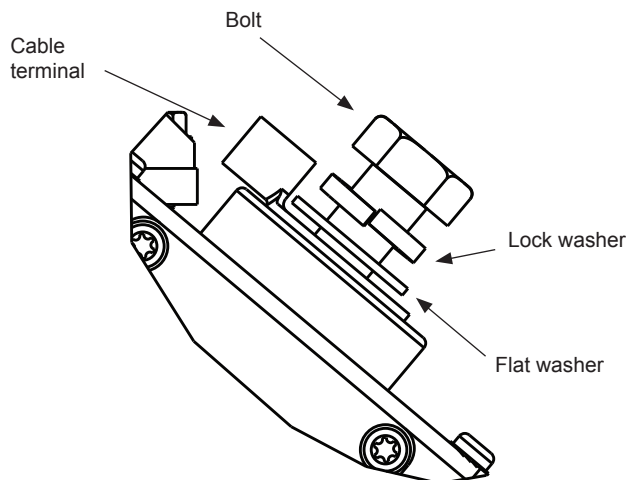


Figure 2: Terminal Hardware Stacking Order

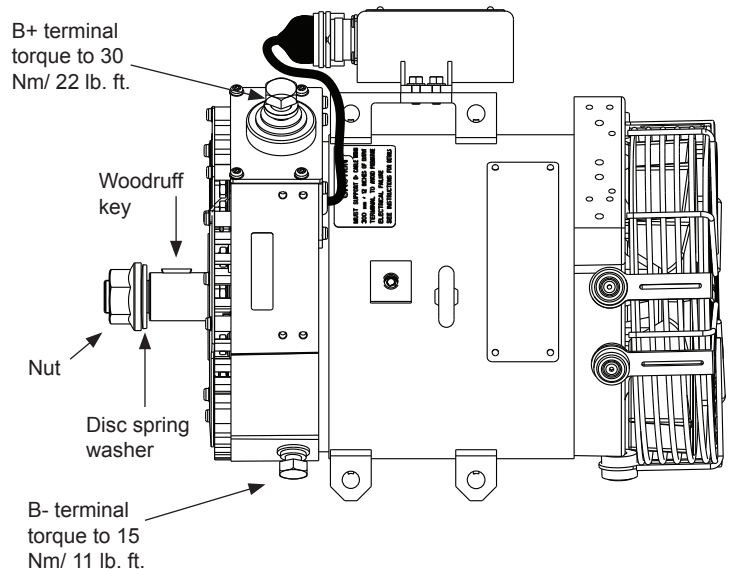


Figure 1: N1390 Alternator Installation

N3269 Regulator Installation

1. Align regulator tabs with screw holes on alternator shell and secure with mounting screws. Torque screws to 3.4 Nm/30 lb. in. See Figure 3.
2. Connect alternator-to-regulator harness to receptacle on regulator. See Figure 4.
3. Connect temperature-voltage sense/J1939 harness receptacle on regulator. Harness sold separately.
4. Connect wire leads to E terminal if required to energize regulator. Torque hardware to 3.4 Nm/ 30 lb. in.
5. Connect wire leads to F- terminal if required to energize field. Torque hardware to 3.4 Nm/ 30 lb. in.

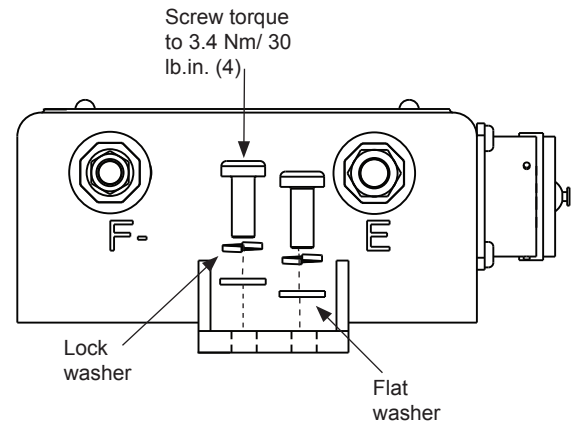


Figure 3: Alternator Installation

CAUTION

All cables must be supported within 300 mm (12 in.) to prevent twisting, loosening, and damage to terminals.

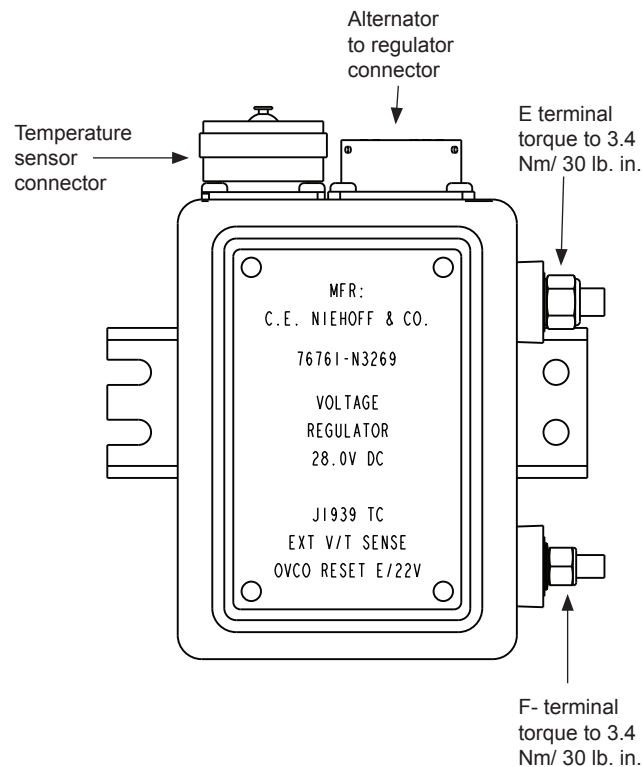


Figure 4: N3269 Alternator

If you have questions about your alternator or these instructions, or if you need to locate a Factory Authorized Service Dealer, please contact us at:
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