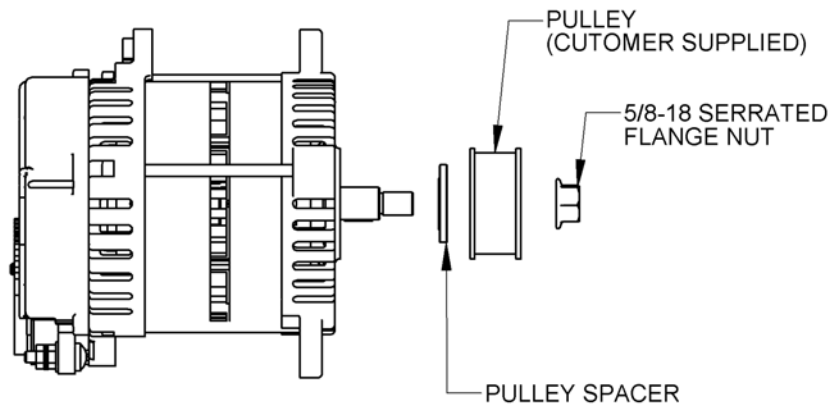


J9-305-I (J9-180 Mount for Neihoff Replacement) Installation R1.2

PULLEY INSTALLATION SCHEMATIC



The J9-305-I model Alternator is a drop-in-replacement for C.E. Neihoff Series 600 alternators that have a center-to-center measurement of 9" between the drive end pivot hole and the threaded adjusting hole. The J9-305-I Alternator has the standard measurement of 4" between the inside of both pivot ears. The existing alternator pulley will interchange and Alternator belts will align properly.

1. Disconnect the ground terminal from the battery before starting to work on the old alternator.
2. Install the pulley, (see diagram below). Tighten nut to within 70-80 ft-lbs. Note: the Eco-Tech Alternator has three internal fans. Do not install any additional external fans.
3. Install Alternator mounting bolts to engine bracket. Bolt tightening sequence: Step 1 Threaded mounting hole, Step 2 Drive end mounting hole, and Step 3 Slide bushing mounting hole. Torque to 45 ft-lbs and apply thread lock.
4. Measure belt tension. Tension should not exceed 110 lbs.
5. The Eco-Tech Alternator case is ground. Therefore, both the mating surface of the Alternator and the engine brackets must be clean for proper electrical contact. In addition, the vehicle ground (-) wire should be connected to the B - (ground) of the Alternator. Torque to 8 ft-lbs. (100 in-lbs.).
6. Connect the vehicle positive cable to the Alternator B+ terminal. Torque to 8 ft-lbs. (100 in-lbs.).
When reusing ½" terminal lugs, sandwich lugs between the two brass flat washers.
7. If vehicle is equipped with an alternator driven tachometer and/or hourmeter, attach the wire lead to threaded hole in rectifier end heat sink using the AC terminal package enclosed with the Alternator.
8. The connection to no charge indicator light threaded hole, as labeled on regulator heat sink, is optional.
9. Insure that wire size is adequate by checking the accompanying wire size chart.

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10. Start engine. Check Alternator output voltage for proper charging.

11. For additional installation assistance, please call 1-866-230-3100.

NOTE: ALL Eco-Tech Alternators are equipped with soft start ramp up. This feature delays initial output approximately 3 seconds.

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