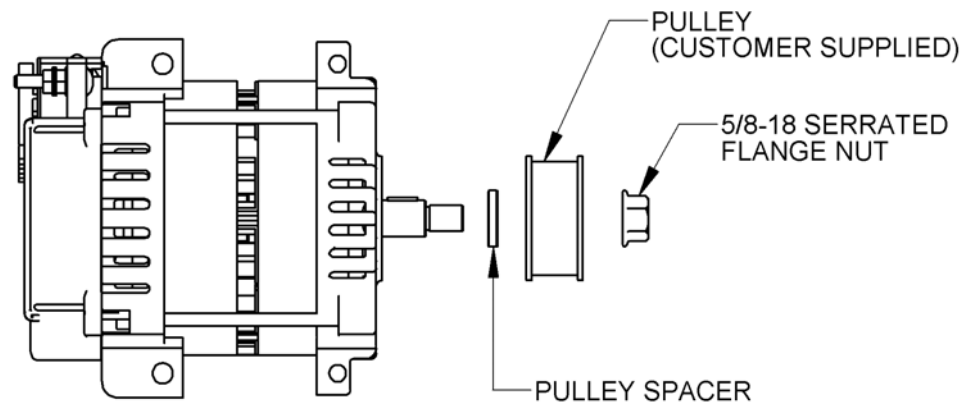


P-305-I (Pad Mount) Installation R1.2

PULLEY INSTALLATION SCHEMATIC



The P-305-I conforms to the SAE specification, that is, it has a four-bolt pad mount with 4.25" center-to-center between the lengthwise mounting holes. Pad mount model alternators employ fixed mounts and make use of automatic belt tensioners. Some engine alternator brackets can accommodate six mounting bolts while the alternators use four. The Eco-Tech P-305-I is available with 5" instead of the standard 4.25" distance between mounting holes as a by request option. To check for clearance prior to installation, measure the distance from rear of old alternator pulley to the overall clearance length available for the Eco-Tech Alternator. The fit length required for Eco-Tech Alternator is 9". 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 using mounting bolts to engine bracket. Torque to 30 ft-lbs and apply thread lock.
4. 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.).
5. Connect the vehicle positive cable to the Alternator B+ terminal. Torque to 8 ft-lbs. (100 in-lbs.).
6. If vehicle is equipped with an alternator driven tachometer and/or hour meter, attach the wire lead to threaded hole in rectifier end heat sink using the AC terminal package enclosed with the Alternator.

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7. The connection to no charge indicator light threaded hole, as labeled on regulator heat sink, is optional.
8. Insure that wire size is adequate by checking the accompanying wire size chart.
9. Start engine. Check Alternator output voltage for proper charging.
10. 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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