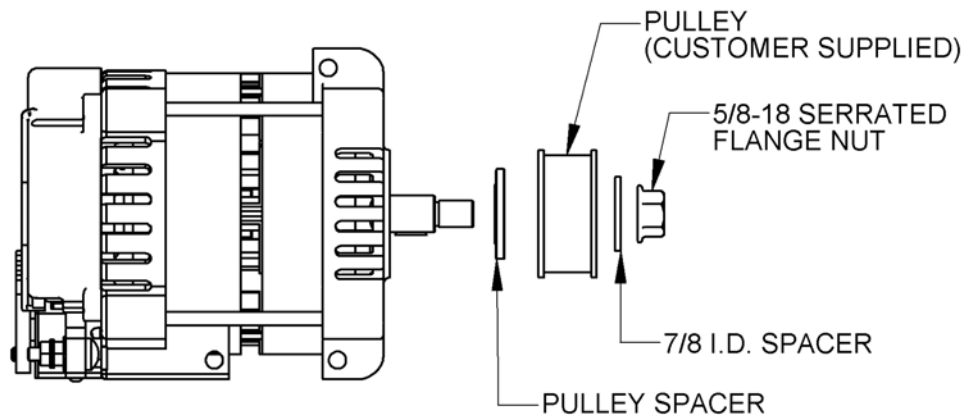


## T-305-I (T Mount for 7.3L Ford F Series) Installation R1.2

### PULLEY INSTALLATION SCHEMATIC



The T-305-I Alternator can be installed in 1995-2003 Ford E and F Series vehicles as well as 2000-2003 Ford Excursion models. The 9973F kit is required for this application. Either send an e-mail or call the toll free number below for information about the kit. The new alternator pulley that comes with the kit will mount, so that the Alternator belt can be reused and will align properly.

1. Disconnect the ground terminals from the batteries 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. Remove serpentine belt from alternator and then remove alternator. (O.E. belt will be used on new alternator)
4. Remove O.E. idler pulley for reuse. It is located at A.C. unit.
5. Remove Turbo Tube. (Do not remove lower tube hose coupling from intercooler.)
6. Remove upper hose coupling and clamp with tube.
7. Disconnect wiring harness from left side of engine by removing 10mm bolt at connector.
8. Remove air cleaner snorkel hose from engine.
9. Install idler pulley on new bracket provided in kit using O.E. bolt.
10. Install upper hose coupling on new Turbo Tube in reverse direction from O.E. mount. Note: Turbo tube and couplings must be free of oil, dirt, grease, and contaminants. Do not use silicone or oil to enhance installation of tube.
11. Install new turbo tube using O.E. clamps. Slide lower end in existing hose first.
12. Reconnect wiring harness to engine over top of tube.
13. Reinstall air cleaner hose according to manufacturer specs.
14. Install new alternator with bracket for idler and 1/2" spacer using new bolts provided. Tighten bolts to 12 ft. lbs. and apply thread lock. Note: it may be necessary to install wiring on alternator before completing installation.

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15. Idler pulley should be positioned 1/16" from fan. It will be necessary to align idler pulley with alternator pulley and air conditioner pulley using a straight edge for alignment.
16. Reinstall serpentine belt.
17. Insure that wire size is adequate by checking the accompanying wire size chart.
18. Connect battery cables. Torque to 8 ft-lbs. (100 in-lbs.).
19. Start engine; check belt alignment and clearance.
20. Check alternator output voltage for proper charging.
21. 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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