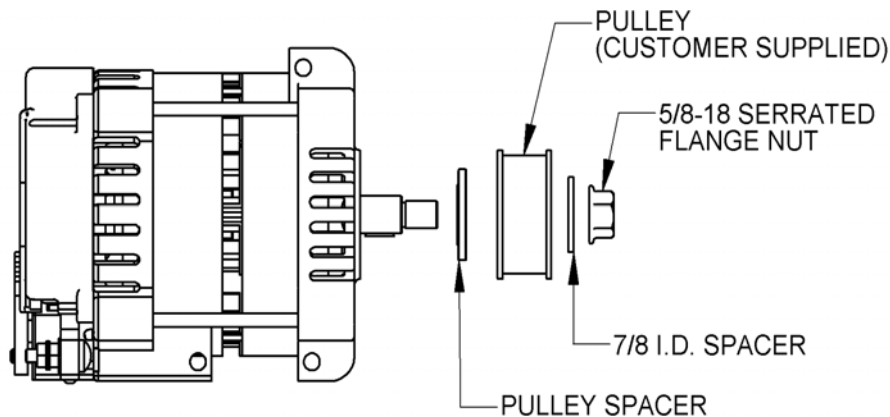


## T-305-I (T Mount for 7.3L Ford E Series) Installation R1.2

### PULLEY INSTALLATION SCHEMATIC



T-305-I Alternators are only used in 1995-2003 Ford E and F Series vehicles as well as 2000-2003 Ford Excursion models. There is an ETK-E hardware kit for use when installing a T-305-I in any Ford E Series vehicle. Either send an e-mail or call the toll free number below for information about the kit.

To check for clearance prior to installation, measure the distance from rear of old alternator pulley to the overall clearance length available for the Alternator. 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 the doghouse from the inside of the vehicle.
4. Remove air chamber box and support brace.
5. Remove glow plug relays and bracket.
6. Install bracket provided in kit onto stud that previously supported the air chamber box.
7. Install both solenoids on new bracket.
8. Attach cables and pulley prior to installing Alternator in vehicle.
9. Install Alternator using the three spacers and bolts provided in the kit.
10. Tighten bolts to 12 ft. lbs. and apply thread lock.
11. Spin Alternator shaft by hand to verify that it spins freely. Then install belt.

**ECOAIR CORP.**

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12. After locating battery junction block in left front of vehicle, route positive cable and connect it to junction block.
13. Route negative cable towards cab alongside solenoid and then connect it to the threaded boss on the block.
14. Install other parts that were removed during disassembly
15. Connect battery cables. Torque to 8 ft-lbs. (100 in-lbs.)
16. Insure that wire size is adequate by checking the accompanying wire size chart.
17. Start engine; check belt alignment and clearance. Check Alternator output voltage for proper charging.
18. 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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