

## Alternator Pulley and Fan, Removal & Installation Process.

1. Open box and remove alternator. Visually inspect alternator.
2. Place alternator on secure horizontal surface resting on packing foam from original shipping. (alternator should be sitting as if it were in the installed position on vehicle)
3. **NEVER attempt to remove or install pulley w/alternator in the upright position. Do not hold fan.**
4. Hold pulley firmly to brace for removal. Use of gloves is recommended. **Do not hold fan.** Using a thin wall 15/16 socket on an impact wrench. (Race alternators may have a different size nut) Hold pulley firmly and engage impact wrench counterclockwise to remove nut.

Step 1.



Step 2.



Step 3.



Step 4.

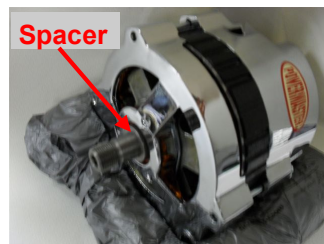


5. Pulley should slide off of shaft. Do not force pulley on or off alternator. (This may cause internal damage to the alternator)
6. Remove fan. Ensure bearing spacer is on alternator shaft before installing fan.
7. Slide fan and pulley onto alternator shaft. (Do not force pulley on, this may push the bearing out of the rear of the alternator and/or cause internal damage) Slide lock washer onto alternator shaft in front of pulley. Start nut onto alternator shaft by hand.

Step 5.



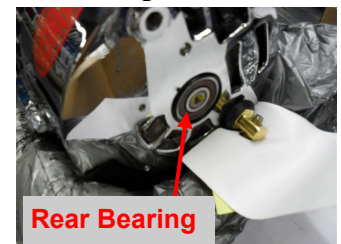
Step 6.



Step 7.



Step 7. cont.



8. Hold pulley firmly and engage impact wrench clockwise to tighten nut. (aprox 70 ft lbs)
9. Turn pulley by hand to verify free rotation.
10. If pulley rotates freely, the alternator is now ready to install. Ensure proper belt tension.

Step 8.



Step 9.



Step 10.



**Proper belt tension is critical to the performance of the alternator!**