

Replacement of GM OE Supercharger Nose Drive

With Magnuson Product's remanufactured nose drive assembly kit

Thank you for purchasing your nose drive kit from Magnuson Products. Each kit consists of a remanufactured nose drive assembly, a coupler, sealant, & synthetic lubricant to refill reservoir.



NOTE: When removing your nose drive assembly, care must be taken not to separate the bearing plate from the supercharger housing. Follow the instructions carefully. If you encounter any problems, please feel free to call us from 9AM to 4PM Pacific Time.

- 1- Disconnect battery.
- 2- Remove shield.
- 3- Remove supercharger drive belt.
- 4- Use a 3/16 Allen wrench to remove the oil fill plug. (A new plug is provided with the kit.) Siphon the oil from the reservoir using a draw type syringe or pump. Approximately 3 oz is the maximum you will be able to withdraw.
- 5- Place oil-absorbing rags under the front of the supercharger and remove the 8 bolts using a 6 point #10 mm socket.
- 6- A rectangular recess in the top/center between the bearing plate front and back of the nose drive provides a means of prying the nose drive away from the bearing plate without damaging the seal between the bearing plate and supercharger housing. By placing the head of a large bolt in the recess a flat blade screw driver or gasket remover tool may be used to pry the cover off. Try not to insert anything between the mating surfaces to prevent scarring them. Some oil will drip from the reservoir as soon as the nose drive is separated.
- 7- Once the old nose drive and coupler are removed, clean the mating surface of the bearing plate of all lubrication and sealant. There are exposed bearings behind the gears on the bearing plate, so care must be taken no to contaminate them, or unnecessarily expose them to cleaning solvents. Brake cleaner, if carefully used, will clean surfaces without damage to seals or bearings.
- 8- When the mating surface of the bearing plate is clean and dry, place a small bead of Loc-Tite #510 on the face of the bearing plate circling all holes.
- 9- Place the new coupler on the drive pins of the supercharger gear with "bossed holes" contacting the gear.
- 10- Align the drive pins of the nose drive to the "bossed holes" in the coupler and push into place.
- 11- Tighten the bolts to 20ft-lbs of torque. Check that the supercharger rotates smoothly with no hesitation.
- 12- Add lubricant (use entire container).
- 13- Replace the drive belt. Shield and connect the battery.
- 14- Return the core assembly with pulley to Magnuson Products.

**MAGNUSON PRODUCTS INC –1990 KNOLL DRIVE
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The only authorized re-builder of EATON superchargers