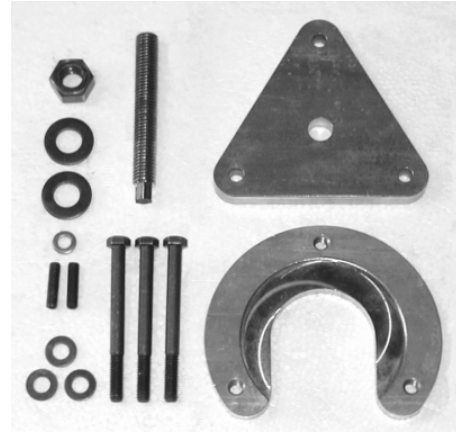




Pulley Puller and Installation Tool

The Pulley Boys pulley tool is specifically designed for exchanging the press fit pulley on Eaton M90 superchargers. Known applications are 1997-2001 Grand Prix GTP, Bonneville SSEi, Buick Regal GS and Park Avenue Ultra.

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Pulley Tool parts list:

- (1) steel top plate
- (1) steel back plate
- (1) 5/8 main rod
- (1) 5/8 nut
- (2) 5/8 washers
- (3) 3/8 bolts
- (3) 3/8 washers
- (1) M8 stud (plus one spare)
- (1) M8 washer

Additional tools and items recommended:

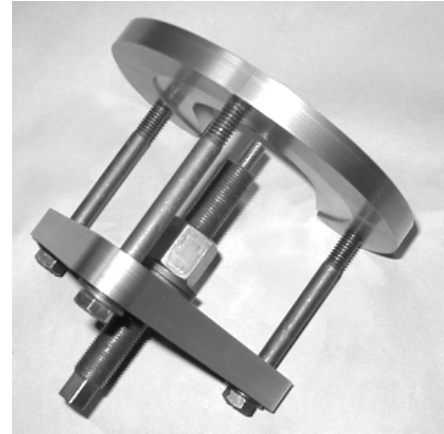
- 15/16 wrench for the 5/8 nut on main shaft
- 1/2 socket and ratchet for the main shaft
- 5/16 wrench for battery terminal
- 10 mm wrench for fuse box removal
- 21 mm wrench for breather nut removal
- 15 mm wrench for tensioning idler pulley
- Vise-Grips
- Good Year Gatorback belt # 4060660 (not absolutely necessary, but a very good idea)
- Anti-seize recommended for lubing the 5/8 main rod, washers, nut and ID of new pulley bore.

Preparation

- ✓ Begin with a cool engine. Cold overnight is best.
- ✓ Disconnect the negative terminal from the battery.
- ✓ Clear the work area by moving necessary components. This includes the radiator reservoir bottle (except for '97-98 GTPs) and the fuse block housing. Full disconnects are not necessary, just move out of the way. Note: the fuse block only has one 10 mm nut on the top and the lower half is located within a slot. Simply lift up and it will come loose.
- ✓ Remove the breather nut on the end of the supercharger shaft with a 21mm wrench.
- ✓ Remove the supercharger belt. Tension on the belt is released by turning the 15 mm nut on the idler pulley clock-wise.

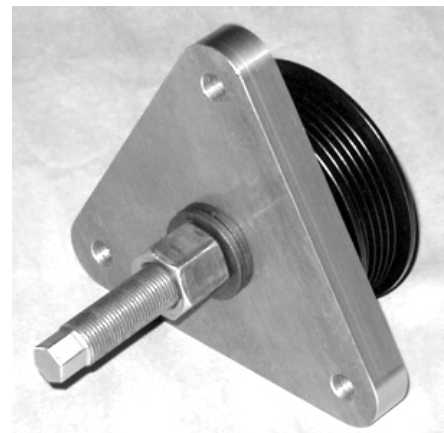
Pull the OEM blower pulley

- ✓ Install the 8 mm stud into the end of the 5/8 threaded rod, the 8 mm washer and then install the 5/8 rod assembly into the end of the supercharger shaft.
- ✓ Apply anti-seize to the area of the 5/8-rod assembly where the 5/8 nut will have thread contact during the pull. Install the 5/8 nut and then both of the washers after that. The two washers together, with anti-seize between them, will act as a thrust bearing.
- ✓ Slide the triangular top plate over the 5/8 rod and fasten to the back plate with 3/8 bolts at an equal length.
- ✓ Hold the 5/8 rod steady with a 1/2 socket and ratchet while turning the 5/8 nut counter-clockwise against the top plate with a 15/16 wrench, this will remove the pulley. The ratchet handle may be rested on the strut tower with a rag placed under it as to not mar your paint.
- ✓ The pulley may take quite a bit of force to remove. Maintain correct alignment of the tool during this process to avoid a bent main rod, broken 8mm stud and/or damage to the supercharger shaft. It is common to hear a loud POP when the pulley breaks free.
- ✓ After the pulley removal, the 5/8 rod may be very tight on the supercharger shaft and may be left in place for the installation.



Install the new Pulley Boys blower pulley

- ✓ Lightly coat the bore of the pulley with anti-seize. With the 5/8 rod still in place on the supercharger shaft, place the new pulley over the rod, then the triangular plate, both 5/8 washers followed by the nut. Alternately, the triangular plate may be omitted, but the benefit of using the plate is that it will stop against the end of the supercharger shaft.
- ✓ If you purchased a new belt, wrap the old belt around the pulley and clamp with vise-grips to hold the pulley steady during the install. You may also use a 1/2" socket and ratchet on the end of the 5/8 stud.
- ✓ Tighten the 5/8 nut, pressing the pulley on to the supercharger shaft, using even steady pressure. Verify that everything is straight and remains properly aligned.
- ✓ When the pulley is nearly fully seated, remove the 8 mm washer from the installation assembly. Resume tightening and check the location of the pulley on the shaft often. The pulley is fully installed when the face of the pulley is flush with the end of the supercharger shaft.
- ✓ Reinstall the belt, breather nut, fuse block and negative power cable. Verify that all tooling has been removed from the engine bay.



Congratulations on your successful pulley swap. Have fun with your new extra horsepower!



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