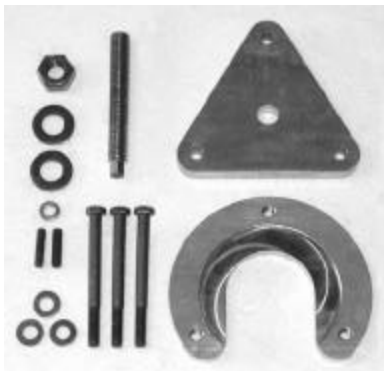


# Pulley Boys™

## Pulley Puller and Installation Tool M62 - Nissan Frontier and Xterra



PULLEY BOYS™ ASSUMES NO RESPONSIBILITY OR LIABILITY FOR DAMAGE OR INJURIES, WHICH MAY RESULT FROM THE USE OR INSTALLATION OF ITS PRODUCTS. PULLEY BOYS PRODUCTS ARE SOLD AS IS AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTY OR MERCHANTABILITY FOR ANY INTENDED PURPOSE. CHANGING THE SUPERCHARGER PULLEY MAY VOID OEM VEHICLE WARRANTIES. PULLEY BOYS SUPERCHARGER OVERDRIVE PULLEYS ARE DESIGNATED FOR OFF-ROAD USE ONLY AND MAY NOT BE EMISSIONS LEGAL IN YOUR LOCALITY.



### Puller Tool parts list:

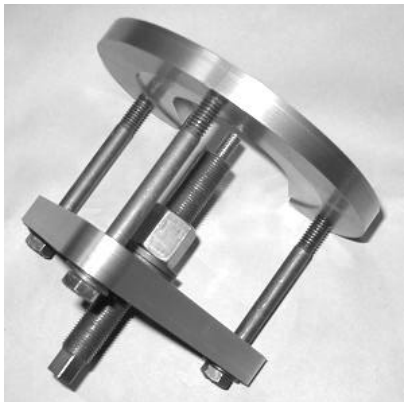
- |                      |                   |
|----------------------|-------------------|
| (1) steel top plate  | (3) 3/8 washers   |
| (1) steel back plate | (1) 3/8 x 8" bolt |
| (1) 5/8 main rod     | (2) M8 studs      |
| (1) 5/8 nut          | (2) M8 washers    |
| (2) 5/8 washers      | Anti-seize        |
| (3) 3/8 x 4" bolts   |                   |

### Additional tools and items recommended:

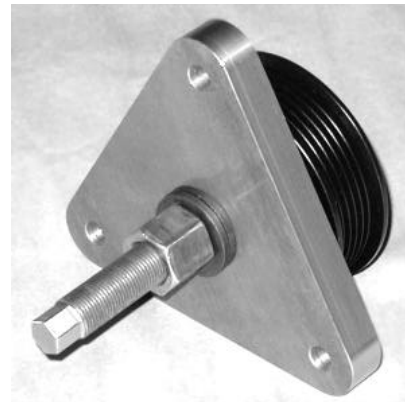
- 15/16 wrench for the nut on puller tool main rod
- 1/2 socket and ratchet for the puller tool main rod

## Preparation

- ✓ Begin with a room temperature or warm engine. One hour cool down from the road is fine.
- ✓ The pulley should be at room temperature or better.
- ✓ Remove the plastic plug on the end of the supercharger shaft.
- ✓ Loosen and set aside the supercharger belt.
- ✓ Use a fresh M8 screw and washer for every pulley swap.



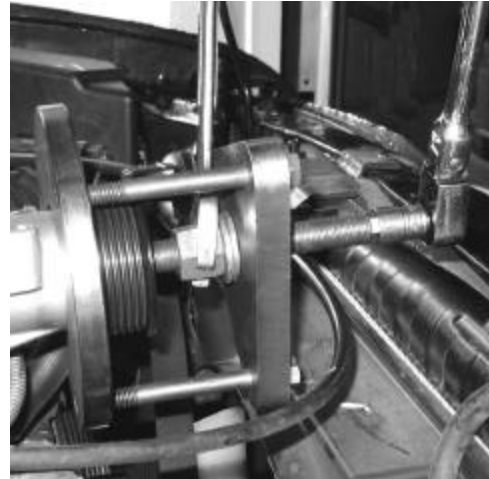
Pull



Install

## Pull the OEM supercharger pulley

- ✓ Apply **anti-seize** to the 8mm stud and install into the end of the 5/8 threaded rod, the 8mm washer and then install the 5/8 rod assembly into the end of the supercharger shaft.
- ✓ Apply **anti-seize** to 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.
- ✓ Place the triangular top plate over the 5/8-rod and fasten to the back plate with three 3/8 bolts tightened 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.
- ✓ To prevent breaking the M8 screw, keep the 5/8 main rod tight on the SC shaft at all times.
- ✓ The pulley may take quite a bit of force to remove. It is common to hear a *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™ supercharger pulley

- ✓ If any corrosion is present on the supercharger shaft, use scotch-brite to buff clean.
- ✓ Coat the bore of the pulley and supercharger shaft with **anti-seize**. With the 5/8-rod still in place on the supercharger shaft, place the new pulley over the rod with the flat face side facing out, then the triangular plate, and 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 and keep pressure on the pulley only. The M8 screw and 5/8 rod must remain tight on the supercharger shaft or M8 screw breakage may result.
- ✓ Similar to the pulling configuration, place the 1/2" socket and ratchet on the end of the 5/8 stud with the ratchet handle up against the strut tower. To counteract the rotational force of the puller tool assembly, install the 3/8 x 8" bolt into the side hole of the triangular plate.
- ✓ 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.
- ✓ Once the pulley has started on the supercharger shaft, remove the side bolt from the triangular plate to enable ratcheting action for quicker installation.
- ✓ The pulley is fully installed when the face of the pulley is flush with the end of the supercharger shaft.
- ✓ Reinstall any components removed such as the belt and plug. Verify that all tooling has been removed from the engine bay.



# Pulley Boys™

<http://www.pulleyboys.com/>

© 2000-2005 Pulley Boys

Pulley Boys is a trademark and the shape and configuration of the Pulley Boys puller tool assembly is a trademark of the Pulley Boys Company. The design, layout, dimensions and engineering features are protected by state common law, copyright, and/or patent laws. All rights are reserved.