

**MODERATE** - Installation requires metric tools and possibly cutting and drilling. The ability to closely follow instructions is imperative. If your mechanical experience is limited to simple jobs like changing oil and rotating tires, a Moderate installation will likely prove challenging.

**ESTIMATED INSTALLATION TIME** - Installation times are for a professional installer. Times may vary based on the skill level of the installer.

**ESTIMATED INSTALL TIME** - 1.75 hrs

## PART NO. 100227 & 100227A

### OVERDRIVE PULLEY KIT 1997-2005 SUPERCHARGED PONTIAC GRAND PRIX & BUICK REGAL

#### PACKING LIST

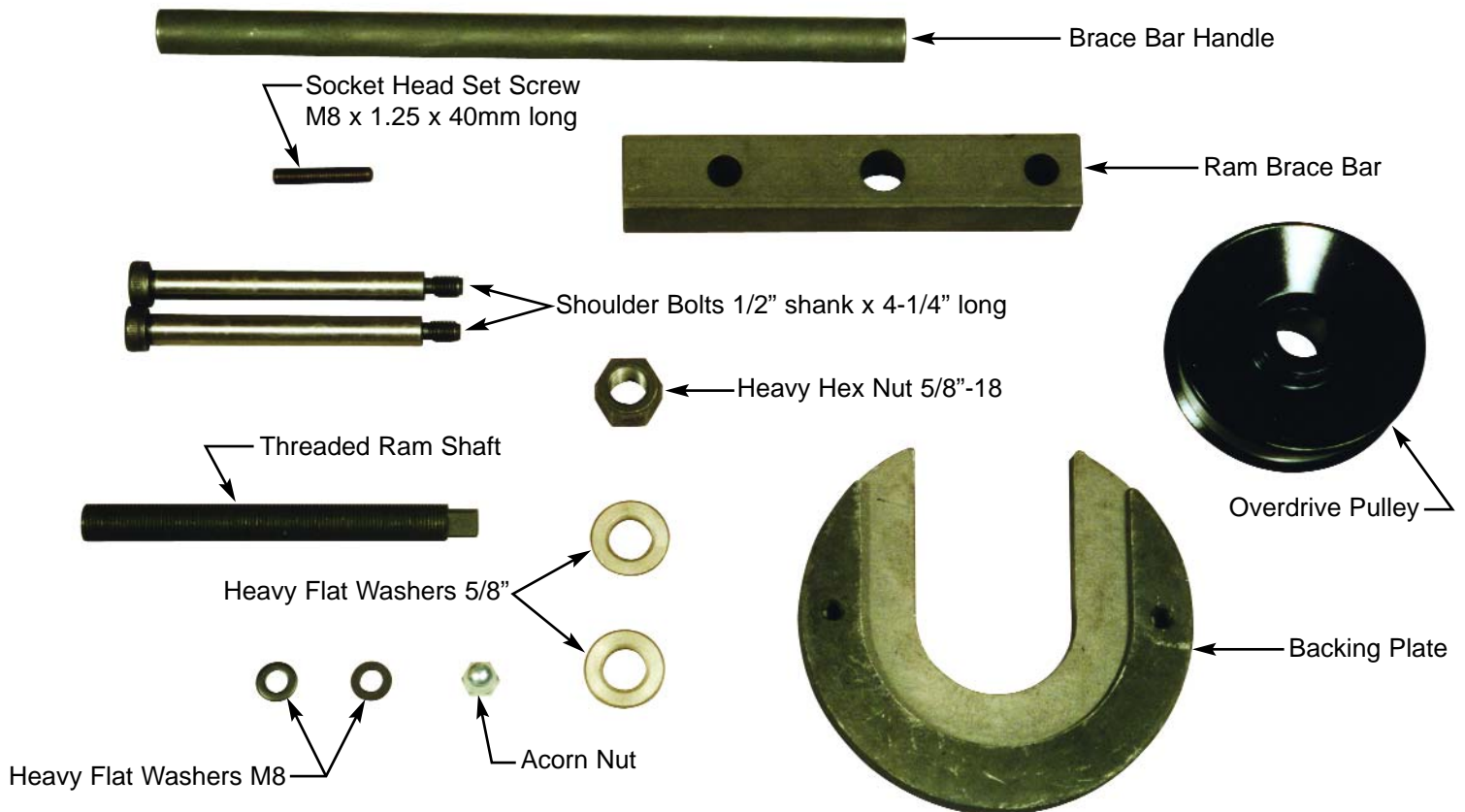
Item #	Check	Quantity	Part Number	Description
1	<input type="checkbox"/>	1	100227A	Overdrive Pulley
2	<input type="checkbox"/>	1	100227B	Backing Plate
	<input type="checkbox"/>	1		Ram Brace Bar
	<input type="checkbox"/>	1		Threaded Ram Shaft
	<input type="checkbox"/>	1		Brace Bar Handle
3	<input type="checkbox"/>	2	100227C	Shoulder Bolts, 1/2" shank x 4 1/4" long
	<input type="checkbox"/>	1		Heavy Hex Nut, 5/8" - 18
	<input type="checkbox"/>	2		Heavy Flat Washers, 5/8"
	<input type="checkbox"/>	2		Heavy Flat Washers, M8
	<input type="checkbox"/>	1		Socket Head Set Screw, M8 x 1.25 x 40mm long
	<input type="checkbox"/>	1		Acorn Nut
4	<input type="checkbox"/>	1	*****	Installation Instructions

#### INSTALLATION INSTRUCTIONS

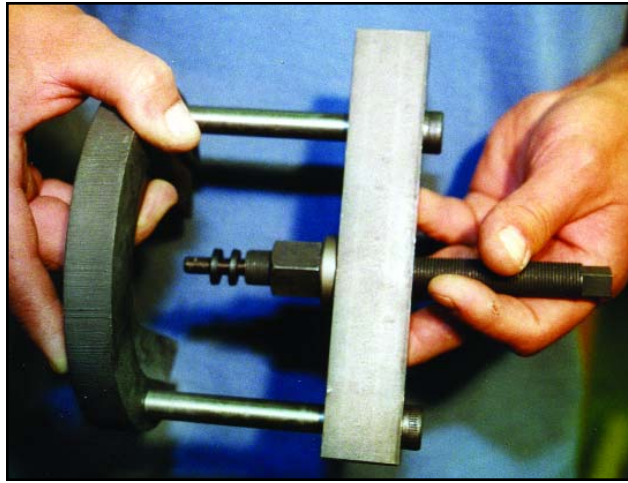
1. Begin by checking for and familiarizing yourself with all parts listed on packing list by comparing to illustration "A" included. All parts listed are necessary for successful O.E.M. pulley removal and overdrive pulley installation. Please follow this procedure carefully and exactly to avoid problems and/or damage.
2. Disconnect the positive (+) cable from battery.
3. Remove the diagonal cross engine brace on passenger side of engine compartment and on 1997 models, unfasten the windshield washer reservoir bottle and move it up onto the strut tower, out of the way.
4. Unfasten the plastic modular fuse box and unclip the wiring under it so it can be pulled back out of the way. It can be held back using an elastic shock cord, twine, bailing wire, etc. You will need enough room, in-line with the supercharger shaft, to fit the threaded ram rod included in the kit.

5. Remove the cap screw from end of supercharger shaft, then remove the serpentine drive belt. Refer to illustration "B" for proper arrangement of puller/install tool. Thread the allen socket head set screw all the way into the 5/8" threaded ram rod and put the two 5/16" washers on it. Grease the threads on ram rod and also on both sides of large 5/8" flatwasher. Put puller/installer tool into position as shown in illustration "C". The allen socket head set screw is threaded fully into supercharger shaft until both 5/16" flatwashers are snug. Begin turning large nut. If ram rod turns, it can be held on the squared end with a wrench. Remove pulley and disassemble the puller/install tool.
6. Place new overdrive pulley onto shaft with its flat side out (hub side inward, toward supercharger). Set up the puller/install tool as shown in illustration "D". Again, the allen set screw is threaded fully into ram rod and supercharger shaft with the two 5/16" flatwashers in between. Also, a 5/8" flatwasher is used on both sides of the ram brace bar. Begin turning large nut and tighten until pulley's edge is flush with end of supercharger shaft.
7. Remove puller/install tool and replace serpentine drive belt over pulley. Replace and tighten shaft cap screw. Refasten wiring from fuse box back into clips and re-install fuse box into position and fasten. Replace diagonal cross brace on passenger side. Installation is now complete.

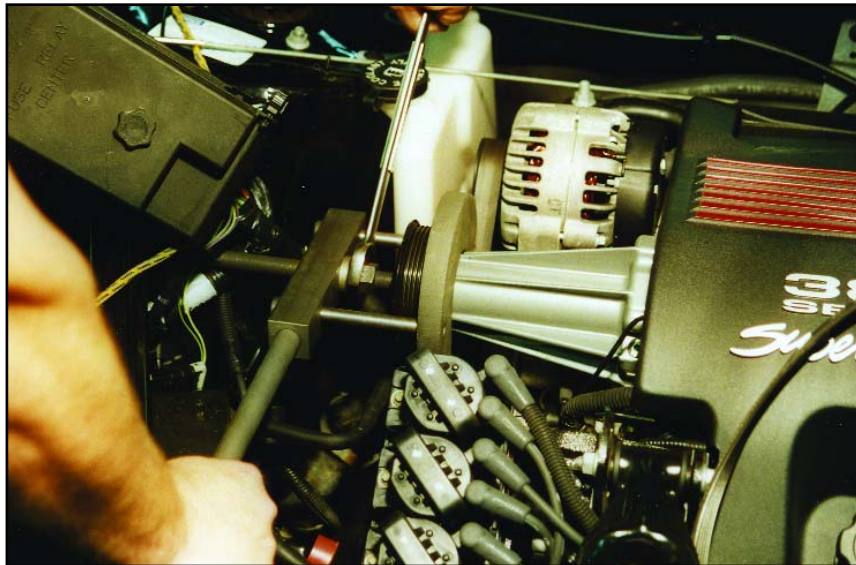
### ILLUSTRATION "A"



**ILLUSTRATION "B"**



**ILLUSTRATION "C"**



**ILLUSTRATION "D"**

