PULLY PULLER & INSTALLER SET

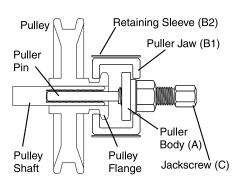
General Use Pulley Removal:

- 1. Lubricate jackscrew (C) with a light coating of oil and screw clockwise into puller body (A).
- 2. Insert button (D) carefully into jackscrew (C) using a clockwise motion to help O-ring pass internal threads until it is fully seated against jackscrew.
- 3. Place button (D) against the pump shaft and assemble puller jaws (B1) over puller body (A) and flange on pulley.
- 4. Hand tighten the jackscrew by turning it clockwise while holding the puller body and the jaws in place.
- 5. Slide the retaining sleeve (B2) over the jaws to keep them in place.
- 6. Hold the puller body (A) with a 13/16 in. wrench while continuing to tighten jackscrew (C) with a 1/2 in. wrench or socket until the pulley is removed.

Puller Jaw (B1) Puller Jaw (B1) Puller Jaw (A) Puller Body (A) Pulley Shaft Flange Jackscrew (C)

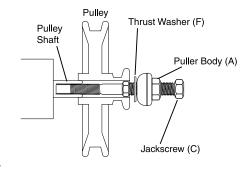
GM 3.1 & Quad 4 Removal:

- 1. Lubricate jackscrew (C) with a light coating of oil and screw clockwise into puller body (A).
- 2. Insert appropriate puller pin, (G) for Quad 4, or (J) for GM 3.1, carefully into jackscrew using a clockwise motion to help O-ring pass internal threads until it is fully seated.
- 3. Insert puller pin (G) or (J) into center of pump shaft and assemble puller jaws (B1) over puller body (A) and flange on pulley.
- 4. Hand tighten the jackscrew by turning it clockwise while holding the puller body and the jaws in place.
- 5. Slide the retaining sleeve (B2) over the jaws to keep them in place.
- 6. Hold the puller body (A) with a 13/16" wrench while continuing to tighten jackscrew (C) with a 1/2" wrench or socket until the pulley is removed.



Pully Installation:

- 1. Lubricate jackscrew (C) with a light coating of oil and screw clockwise into puller body (A).
- 2. Thread small end of appropriate screw installer (see parts listing) into jackscrew until hand tight.
- 3. Slide bearing over jackscrew (C) next to puller body (A) followed by thrust washer (F). The thrust washer helps protect the bearing.
- 4. Thread the end of the appropriate screw installer (see parts listing) into the pump shaft until it bottoms out.
- 5. Hold jackscrew (C) with a 1/2" wrench, while turning puller body (A) clockwise with a 13/16" wrench until the pulley is fully pressed into position.



Performance Tool

Replacement Parts: W89708-1 Puller body W89708-2 Puller jaws W89708-3 Retainer sleeve W89708-4 Jackscrew W89708-5 Button W89708-6 Bearing W89708-7 Thrust washer W89708-8 Puller pin for Quad 4 W89708-9 Screw installer for Quad 4 W89708-10 Puller pin for GM 3.1 W89708-11 Screw installer for GM 3.1 W89708-12 Screw installer for Ford 4.6 W89708-13 Screw installer various others

W89708-14 GM Disconnect tool