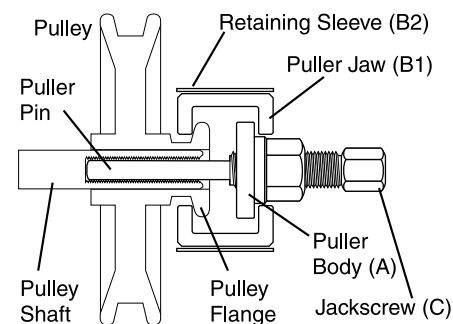


PULLY PULLER & INSTALLER SET

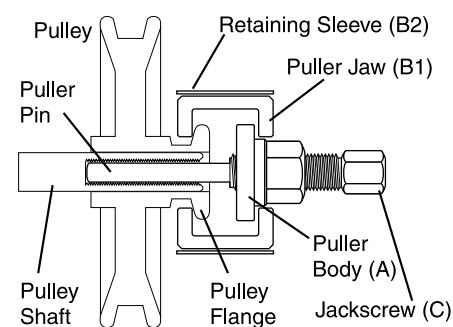
General Use Pulley Removal:

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.



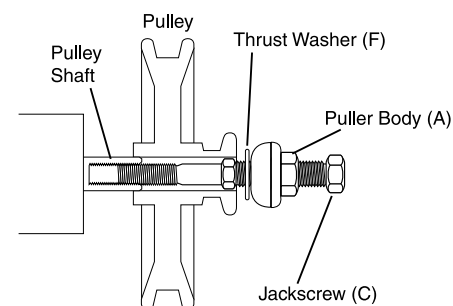
GM 3.1 & Quad 4 Removal:

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.



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