

Pulley Puller & Installer Set



TOOL PARTS

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

INTENDED USE

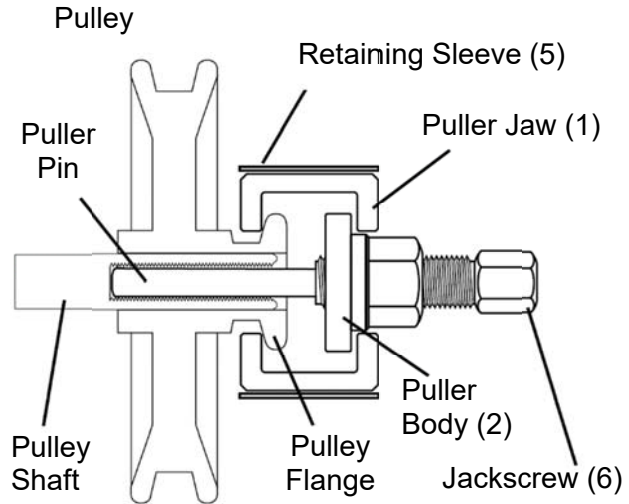
This tool set is designed for removing and installing of pulleys with and without dampener on GM 3.1, Quad 4, Ford 4.6 and various others, without removing the radiator.

SAFETY ADVICE

- Ensure a secure and well-gripped stance during fitting.
- Always wear safety boots and protection goggles when working.
- The wearing of safety gloves is recommended, in this way the danger of injury is minimized in case of possible slipping.
- Tools may only be used as intended.
- Regularly check the condition of the tool and replace the damaged parts.
- Always keep the spindle and bearing clean and well lubricated. Careful maintenance will ensure the operational readiness and long life-span of the tool.
- Before use, inform yourself on the proper usage of the tool concerned, taking account of the required safety measures.
- Always adhere to the vehicle manufacturer's instructions.

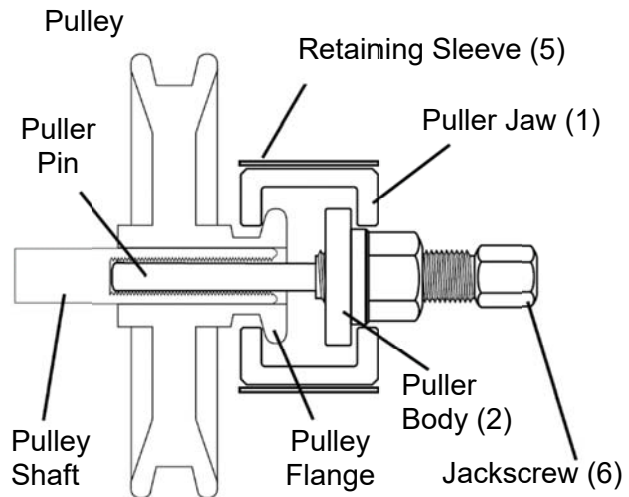
GENERAL USE PULLEY REMOVAL

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



GM 3.1 & QUAD 4 REMOVAL

1. Lubricate jackscrew (6) with a light coating of oil and screw clockwise into puller body (2).
2. Insert appropriate puller pin, (7) for Quad 4, or (8) 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 (7) or (8) into center of pump shaft and assemble puller jaws (1) over puller body (2) 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 (5) over the jaws to keep them in place.
6. Hold the puller body (2) with a 13/16" wrench while continuing to tighten jackscrew (6) with a 1/2" wrench or socket until the pulley is removed.



PULLEY INSTALLATION

1. Lubricate jackscrew (6) with a light coating of oil and screw clockwise into puller body (2).
2. Thread small end of appropriate screw installer (see parts listing) into jackscrew until hand tight.
3. Slide bearing over jackscrew (6) next to puller body (2) followed by thrust washer (4). 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 (6) with a 1/2" wrench, while turning puller body (2) clockwise with a 13/16" wrench until the pulley is fully pressed into position.

