Eastwood®

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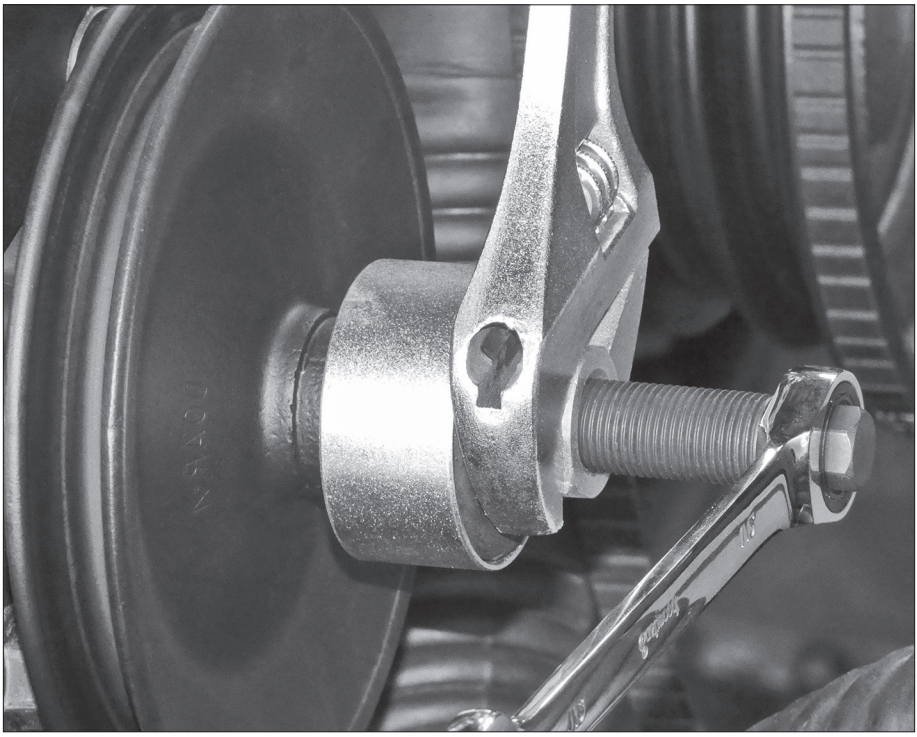
Item # 31872Q

POWER STEERING PULLEY REMOVER/INSTALLER

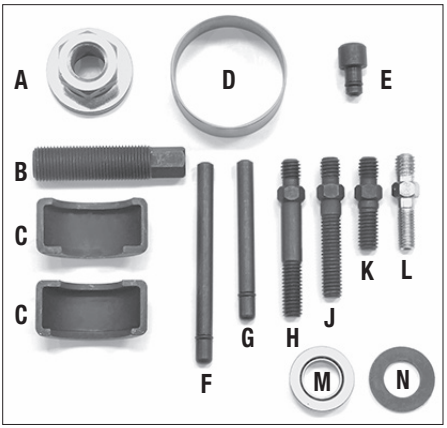
INSTRUCTIONS



THE EASTWOOD POWER STEERING PULLEY REMOVER/INSTALLER allows damage-free removal and reinstallation of most friction fit pulleys found on power steering pumps and many other belt driven automotive and industrial devices. This tool is constructed of high-strength steel components, designed for frequent, heavy duty use and will provide years of reliable service.

CONTENTS

- **(1)** 1" Hex, Remover/Installer - **A**
- **(1)** 9/16-18 Pressure Screw - **B**
- **(2)** 2" Hub Remover Jaws - **C**
- **(1)** 3" Hub Remover Shell - **D**
- **(1)** 0.50 Dia. x 0.40 Universal Push Button - **E**
- **(1)** 0.29" Dia. x 3.5" Push Pin - **F**
- **(1)** 0.29" Dia. x 2.8" Push Pin - **G**
- **(1)** 3/8" -16 x 2.00" Remover/Installer Pin – **H**
- **(1)** 3/8" -16 x 1.63" Remover/Installer Pin – **J**
- **(1)** 3/8" -16 x 0.81" Remover/Installer Pin – **K**
- **(1)** M8-2.0 x 23 mm Remover/Installer Pin – **L**
- **(1)** Thrust Bearing – **M**
- **(1)** Thrust Washer - **N**
- **(1)** Heavy-Duty, Blow Molded Case



SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

⚠ NOTICE

NOTICE is used to address practices not related to personal injury.

SAFETY INFORMATION

⚠ READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using the Puller.
- Keep these product instructions for future reference.

⚠ WARNING

IMPROPER MOTOR VEHICLE REPAIR WORK CAN RESULT IN INJURY OR DEATH!

- Performing automotive repair work can cause injury, death and vehicle accidents. **DO NOT** attempt to use this tool or begin work without proper training and a thorough understanding of motor vehicle mechanical systems.
- Always consult an authorized manufacturer's service manual or reference materials on the particular vehicle for the proper procedures before using this tool.

CAUTION! INJURY HAZARD!

- Pinch Hazard. Keep hands and fingers away from moving components.

CAUTION! FALL HAZARD!

- Parts may suddenly release while being pulled. Failure to ensure proper footing can quickly result in a fall which could inflict serious personal injury or property damage.

CAUTION! EYE INJURY HAZARD!

- Metal components under pressure load may release chips. Wear ANSI approved eye protection while using.

CAUTION! INJURY HAZARD!

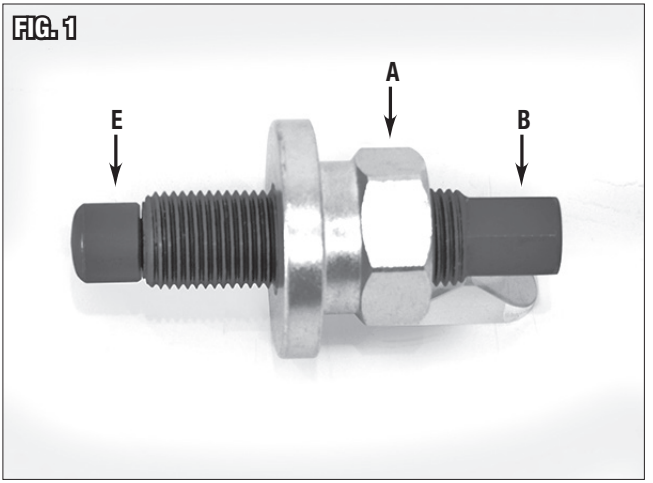
- **DO NOT** use impact or pneumatic tools. Use hand tools only!

REMOVER ASSEMBLY

This Remover works by securely gripping the hub groove found on most friction-fit pulleys and "pulling" it outward while "pushing" on the center of the pump shaft. For most applications, the Universal Push Button **[E]** is used. Some pump shaft designs have center bores and center threads. For these applications, one of the included solid or threaded Pins **[F, G, H, J, K]** may work best.

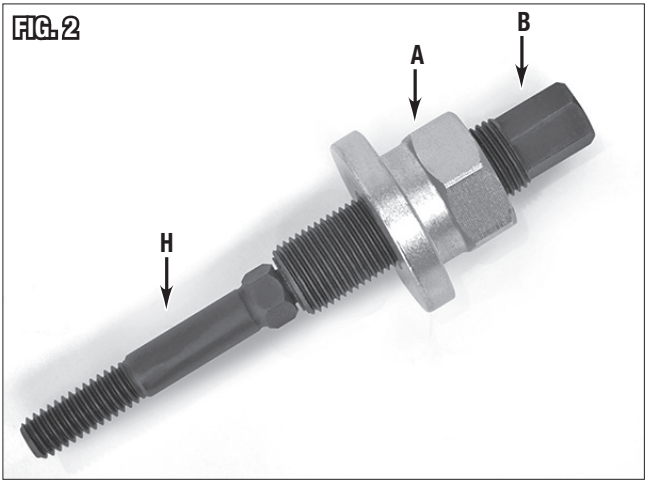
- Apply anti-seize lubricant (Not Included) on the 9/16-18 threads of the Pressure Screw **[B]**, and thread the Remover/Installer **[A]** onto it with both hex ends in the same direction **(FIG 1)**.

FIG. 1

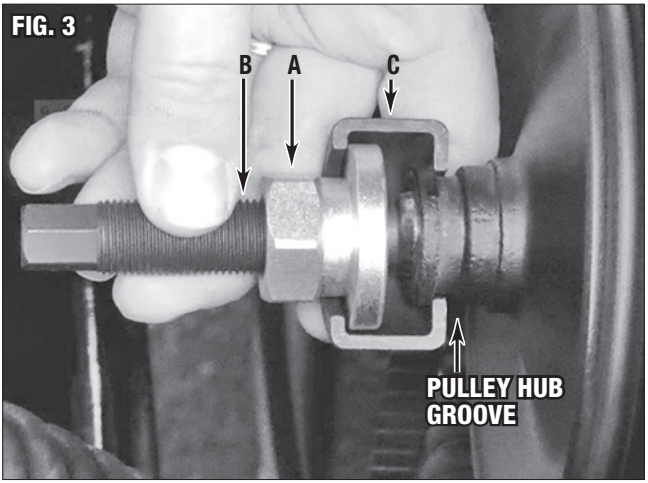


- Fit either the Universal Push Button **[E]** or (if required) one of the solid or threaded Push or Remover/Installer Pins **[F, G, H (shown), J, K]** into the open 3/8-16 threaded end of the Pressure Screw **[B] (FIG 2)**.

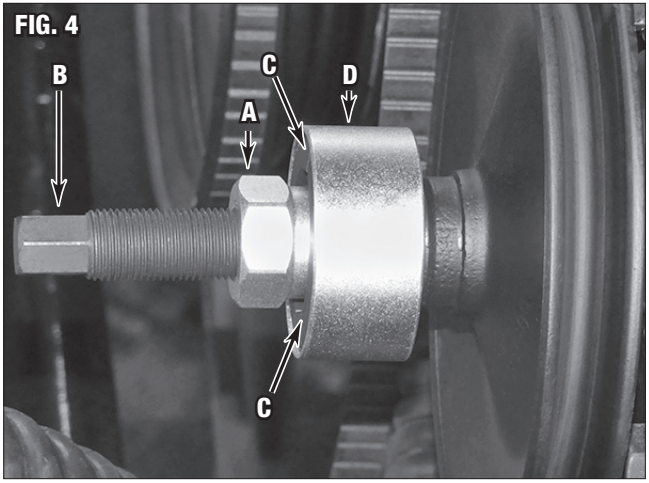
FIG. 2



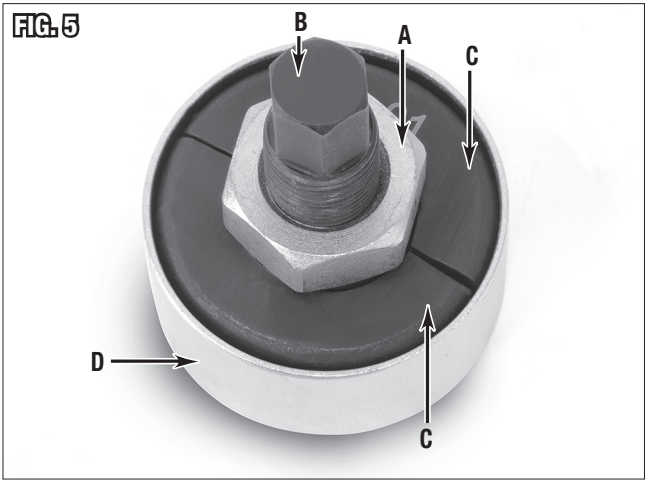
- Set the large flange of the Remover/Installer **[A]** toward the face of the pulley hub **(FIG 3)**.



- Place the 2 identical halves of the Hub Remover Jaws **[C]** around the hub of the pump pulley and Remover/Installer **[A]** flange **(FIG 4)**. **NOTE:** The larger I.D. of the Jaws should be toward the Remover/Installer as shown in **(FIG 3)**.

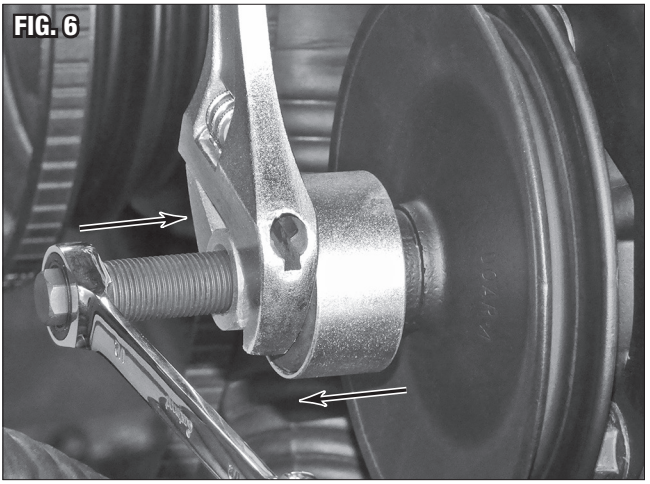


- Slide the Hub Remover Shell **[D]** over the mated Hub Remover Jaws **[C]**, Remover/Installer flange and pulley hub to tie everything together **(FIGS 4 & 5)**.



REMOVER OPERATION

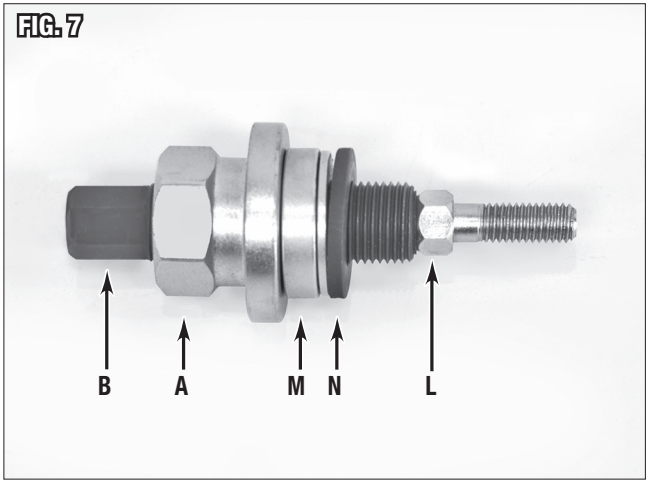
- Use a 1" wrench (not included) to hold the Remover/Installer steady while turning the Pressure Screw **[B]** inward with a 1/2" wrench (Not Included) **(FIG 6)**.



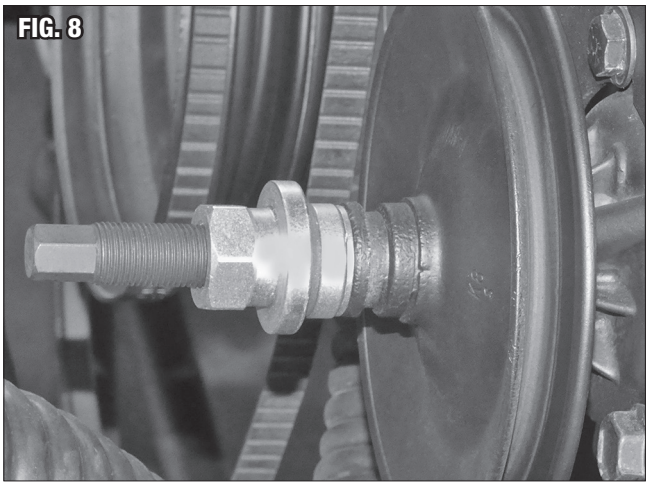
INSTALLER ASSEMBLY & OPERATION

Many belt driven pulleys are a friction fit that must be driven on while others have threaded center shafts which will allow this tool to be used in an installer configuration.

- Select the needed Remover/Installer Pin **[H, J, K, L (shown)]** and thread it into the 3/8-16 end of the Pressure Screw **[B] (FIG 7)**.
- Thread the Pressure Screw **[B]** into the Remover/Installer **[A]** with both hex ends in the same direction **(FIG 7)**.
- Slide the Thrust Bearing **[M]** and Thrust Washer **[N]** over the Pressure Screw **[B]** with the shell face against the flange of the Puller/Installer **[A] (FIG 7)**.



- Thread the assembly into the end of the pulley shaft with the Thrust Bearing against the pulley hub face **(Fig 8)** and tighten with a 1" wrench to draw the pulley onto the shaft.



If you have any questions about the use of this product, please contact

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: techelp@eastwood.com

PDF version of this manual is available at eastwood.com

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