

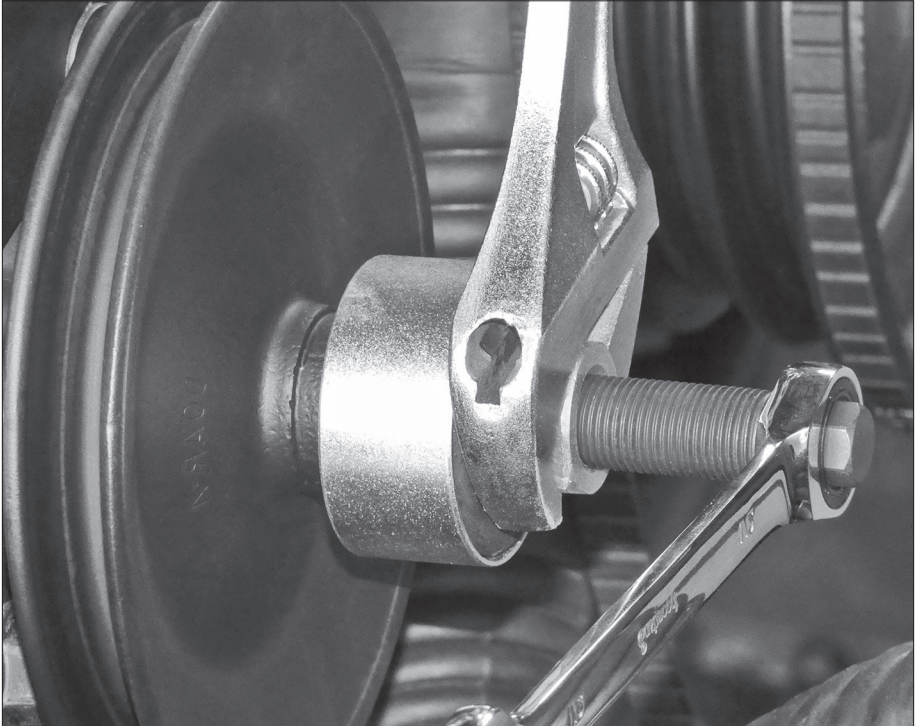
*Eastwood*<sup>®</sup>

DO THE JOB RIGHT.<sup>®</sup>

Item # 31872Q

# POWER STEERING PULLEY REMOVER/INSTALLER

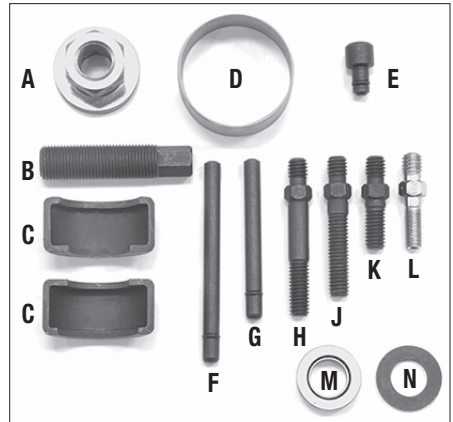
## INSTRUCTIONS



**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) Pressure Screw - **B**
- (2) Hub Remover Jaws - **C**
- (1) Hub Remover Shell - **D**
- (1) 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) M8-1.25 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.

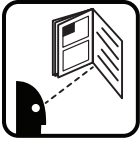
### **⚠ CAUTION**

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.

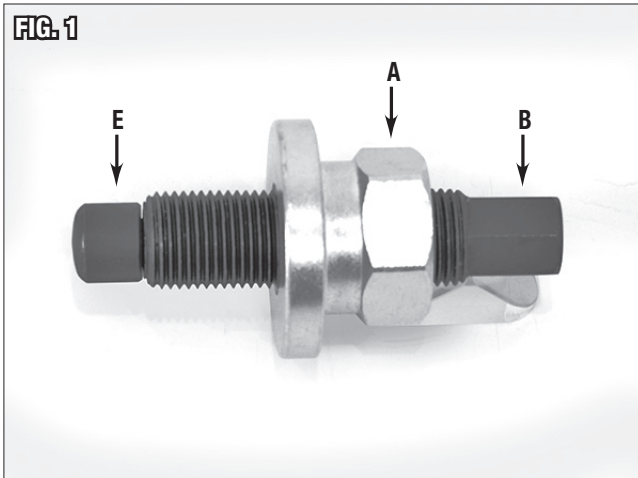
### **CAUTION! INJURY HAZARD!**

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

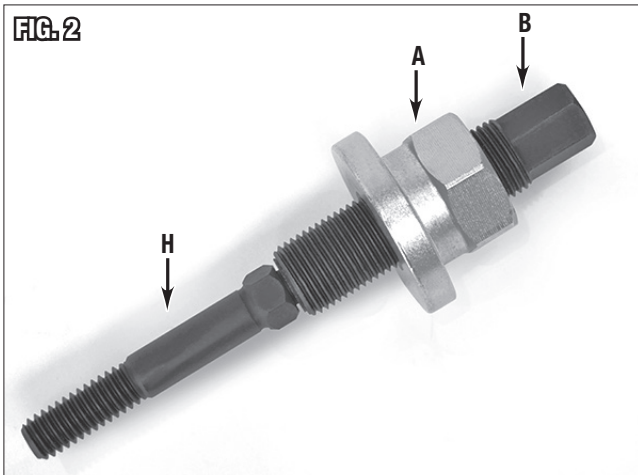
# REMOVER ASSEMBLY

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.

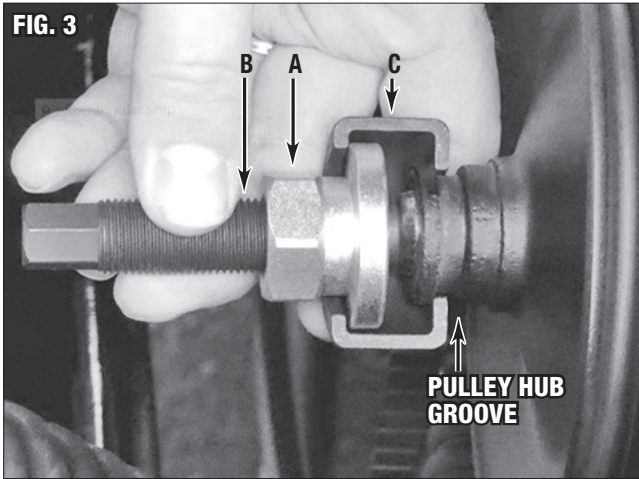
- Apply anti-seize lubricant (not Included) to the threads of the Pressure Screw [B], and thread the Remover/Installer [A] onto it with both hex ends in the same direction (FIG 1).



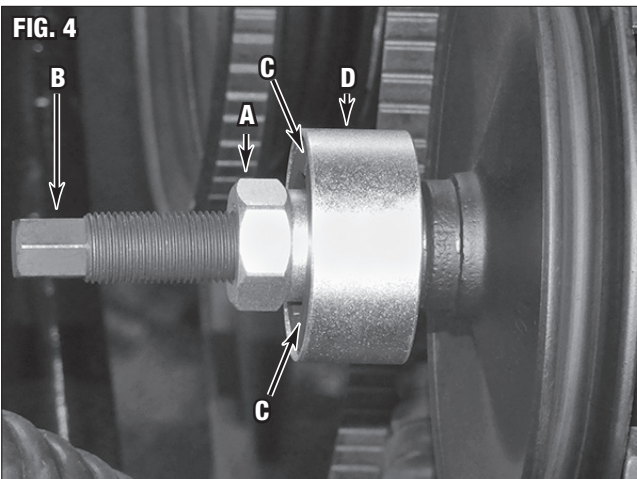
- Fit either the Universal Push Button [E] or (if required) one of the solid or threaded Push or Remover/Installer Pins [F, G, H (shown), J, K] into the open 3/8-16 threaded end of the Pressure Screw [B] (FIG 2).



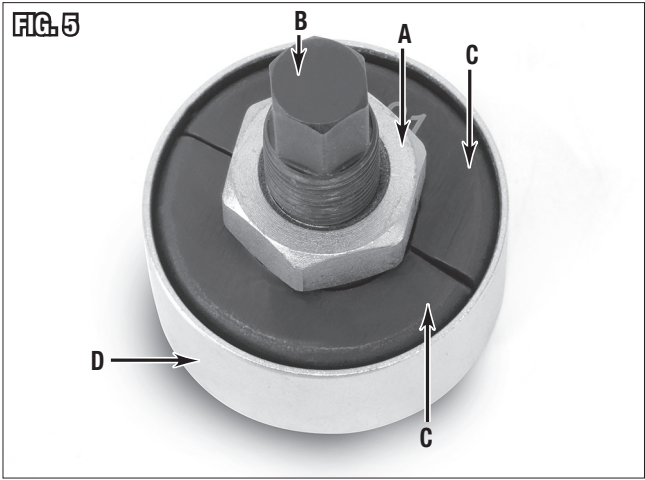
- Set the large flange of the Remover/Installer [A] toward the face of the pulley hub (FIG 3).



- 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).

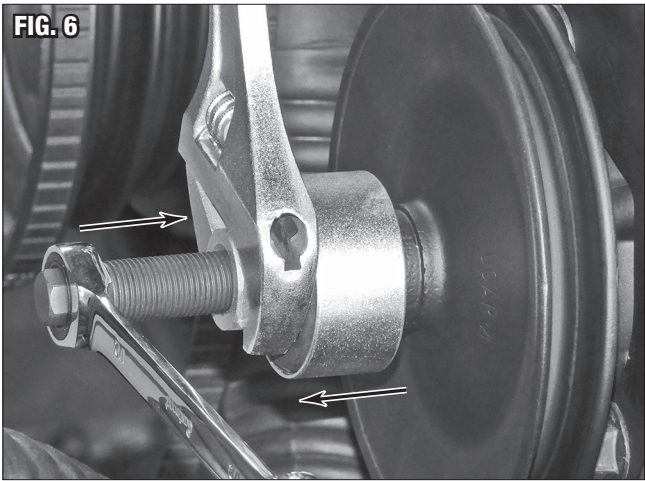


- Slide the Hub Remover Shell [D] over the mated Hub Remover Jaws [C], Remover/Installer flange and pulley hub to tie everything together (FIGS 4 & 5).



## 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).

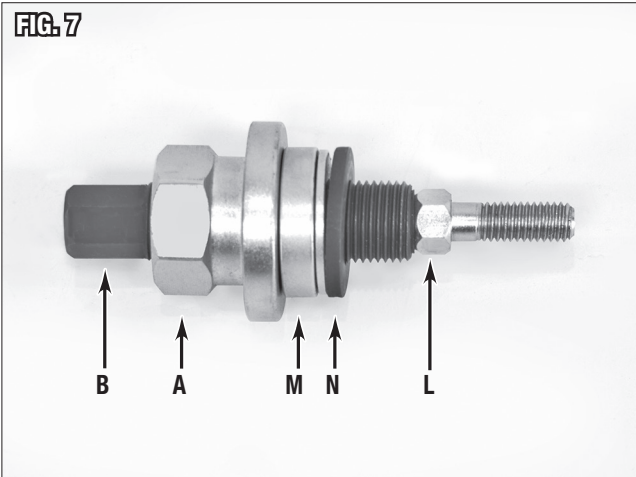


# INSTALLER ASSEMBLY & OPERATION

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.

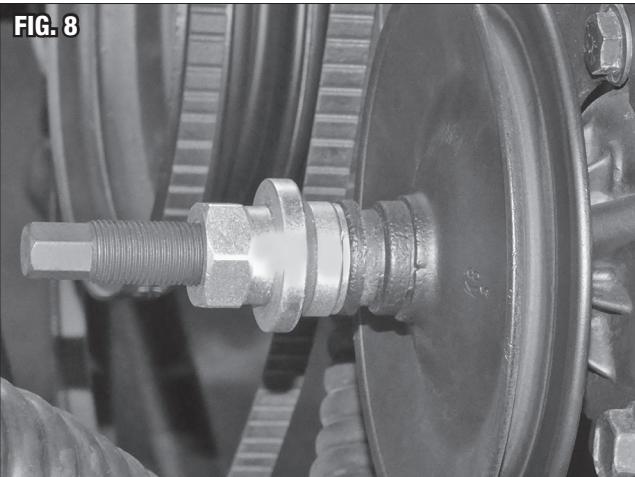
- Select the needed Remover/Installer Pin [**H, J, K, L (shown)**] and thread it into the 3/8-16 end of the Pressure Screw [**B**] (**FIG 7**).
- Thread the Pressure Screw [**B**] into the Remover/Installer [**A**] with both hex ends in the same direction (**FIG 7**).
- Slide the Thrust Bearing [**M**]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

**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.

**FIG. 8**



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**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](mailto:techelp@eastwood.com)

PDF version of this manual is available at [eastwood.com](http://eastwood.com)

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