

FAIRMOUNT[®]
TOOLS

Item #31471

10 TON HYDRAULIC GEAR PULLER

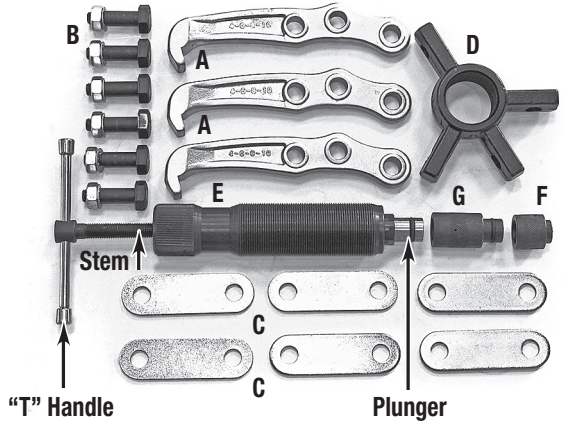
INSTRUCTIONS



The **FAIRMOUNT 10 TON HYDRAULIC GEAR PULLER** is designed for universal use with versatile 2 or 3 arm configurability. Reversible arm posing accommodates outside or inside pulls equally well. The self-contained Hydraulic Ram design provides greatly amplified pulling force. This tool, constructed of robust, high-strength steel alloy forgings, will provide years of reliable service.

CONTENTS

- (3) Puller Arms - A
- (6) Nut, Bolt & Washer Sets - B
- (6) Puller Arm Links - C
- (1) Center Yoke - D
- (1) Drive Ram - E
- (1) Drive Ram Button - F
- (1) Drive Ram Button Extension - G
- (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.



⚠ WARNING PINCH AND CRUSH HAZARD!

- This Puller consists of heavy metal components which can present a hand/finger pinch hazard and cause potentially serious injuries if dropped. Avoid pinching hands while handling. The use of safety shoes is strongly recommended. Keep fingers and hands away from moving parts when operating.



⚠ 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.



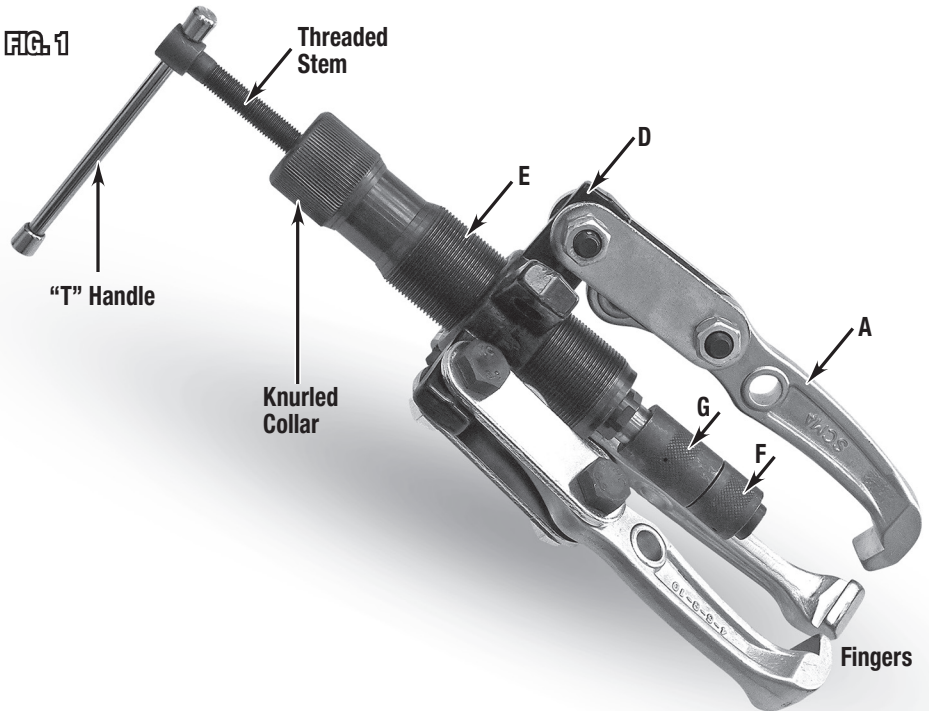
⚠ CAUTION EYE INJURY HAZARD!

- Wear ANSI approved eye protection while using.

PULLER ASSEMBLY

Please note that this Puller can be configured many different ways. It is very important to first determine which configuration is best for the particular pulling application. Some of the variables are as follows:

- 2 or 3 Puller Arm arrangement.
- Inside or outside Puller Arm finger directions.
- 3 Linkage attachment hole positions on each Puller Arm.
- Arrange Puller Arm **(A)** finger direction (in or out).
- Select Puller Arm attachment hole position (high, medium or low).
- Using 2 Nut, Bolt & Washer Sets **(B)**, attach 2 Puller Arm Links **(C)** to each Puller Arm **(A)** and the Center Yoke **(D)**.
- Thread the Drive Ram **(E)** into the Center Yoke **(D)**.
- Slip the Drive Ram Button **(F)** directly onto the end of the Plunger or add the Drive Ram Button Extension **(G)** in between if needed.
- The Puller is now configured and ready for pulling **(FIG 1)**.



PULLER OPERATION

⚠ NOTICE

Before attempting to pull an object, be sure it is of sufficient strength to withstand the forces of pulling. Be aware that cracking and breakage of valued components can and may occur.

⚠ NOTICE

Only apply whatever turning force is available by hand when rotating the "T" Handle. DO NOT use a pipe or other torque amplifying device to exert more pushing force on the Drive Ram as personal injury, part damage or tool destruction could result.

- Place the Puller Arm (A) fingers securely under the edge of the object to be pulled.
- Back out the threaded Stem of the Drive Ram (E) with the "T" Handle until approximately 2" of thread are exposed.
- Thread the Drive Ram (E) inward until the Drive Ram Button (F) contacts the end of the shaft to be pushed against. Hand tighten as securely as possible by gripping and turning the knurled collar of the Drive Ram.
- Begin turning the "T" Handle of the Stem inward. As hydraulic pressure is applied, the turning effort will noticeably increase.
- Continue to turn the "T" Handle until object being pulled releases.
- Remove, clean and disassemble the Puller to be placed back into the Case for storage.

ADDITIONAL ITEMS

- #70448 Eastwood 1/2" Twin Hammer Super Mini Air Impact Wrench
- #30169 Eastwood Low Profile 2 Ton Aluminum Floor Jack
- #31338 1/2" Micrometer Torque Wrench, 30-250 ft/lbs.

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

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: techelp@eastwood.com

PDF version of this manual is available online >> eastwood.com/31471manual

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