



MODELS HP6 6 TON / HP12 12 TON / HP20 20 TON / HP30 30 TON CAPACITY HYDRAULIC PULLERS SETUP • OPERATING • MAINTENANCE INSTRUCTIONS

IMPORTANT: READ THESE INSTRUCTIONS BEFORE OPERATING

BEFORE USING THIS PULLER, READ THIS MANUAL COMPLETELY AND THOROUGHLY, UNDERSTAND ITS OPERATING PROCEDURES AND SAFETY WARNINGS. FAILURE TO DO SO COULD CAUSE ACCIDENTS RESULTING IN SERIOUS OR FATAL PERSONAL INJURY AND/OR PROPERTY DAMAGE.

The use of pullers is subject to certain hazards that cannot be prevented by mechanical means, but only by the exercise of intelligence, care, and common sense. It is therefore essential to have owners and personnel involved in the use and operation of equipment who are careful, competent, trained, and qualified in the safe operation of the equipment and its proper use. Examples of hazards are part breakage resulting in flying parts, slipping and dropping of components to be pulled caused primarily by not using guards or protective blankets over the components, improperly securing adjustments on the puller, improperly securing

components to be pulled, overloading and off-center loads.

It is the responsibility of the owner to make sure all personnel read this manual prior to using this device. It is also the responsibility of the device owner to keep this manual intact and in a convenient location for all to see and read. If the manual is lost or not legible, contact Freedom Industrial Hydraulics for a free replacement. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/ owner or his designee, making sure that the operator comprehends its contents.

WARRANTY

This product is covered by a Limited Lifetime Warranty. For details see the back cover of Freedom's product catalog.

WARNING

- These pullers should be used by trained personnel familiar with them.
- Select the proper size and capacity of the puller for job.
- Align the puller on the same centerline as the part being removed. Failure to align parts correctly can result in a dangerous operating situation because of the high hydraulic pressure used. Self-centering models can be aligned on the centerline after the pullers fully engaged with the part.
- Wrap the work in the attached protective blanket before applying pressure to provide protection from injury caused by flying parts should a part ever break.
- Always apply force gradually.
- Never heat the part to be removed, when the puller connect with the part. The heating can result in the damage on the parts of puller.

SETUP & OPERATION

NOTE: These pullers have a 2/3-way combination puller head, The 3-way combination is strongly recommended whenever the job space allows for it. Three jaws give a more secure grip and more even pulling force.

1. Select the proper size and capacity of puller needed for the job, which is determined by measuring "reach" and "spread" of the part to be pulled.
2. Screw the foldable handle into the handle clevis (Fig. 1 on back).
3. Turn the control valve knob completely in a clockwise direction to advance the piston (Fig. 2).
4. **PULLER LOCATING:** Position puller and puller jaws around the part to be pulled, removing most of the slack by threading the puller body forward or adjusting the puller straps on the jaws.

Pump the handle to advance the piston as fast extending, stopping just as the removable cone touches the part. Make final puller positioning adjustments with the piston. The puller must be on the same centerline as the part to be pulled and the jaws fully engaged and secure. **The puller head must be fully engaged with the threads of the puller body (Fig. 3).**

5. The handle rotates a full 360° to allow the best location for pumping as below (Fig. 4).
6. Hold the puller with one hand and pump the handle with the other hand, advancing the piston until the part is removed (Fig. 5).
7. Turn the control valve knob completely in a counterclockwise direction to retract the piston (Fig. 6).

REPAIR SERVICE

If your Freedom product requires service or repair, contact Freedom Industrial Hydraulics for the location of the nearest Freedom authorized service center.

FREEDOM INDUSTRIAL HYDRAULICS
2236 N.W. Platte Valley Drive
Riverside, MO 64150
816-541-3243
www.freedomhydraulics.com

It will be necessary to provide the service center with a copy of the bill of sale if requesting a warranty repair. If the authorized service center determines your product is eligible for warranty repair, the repair will be made at no charge and returned freight prepaid. The cost of non-warrantable service, repair, and return freight is the customer's responsibility.

ILLUSTRATIONS

Figure 1

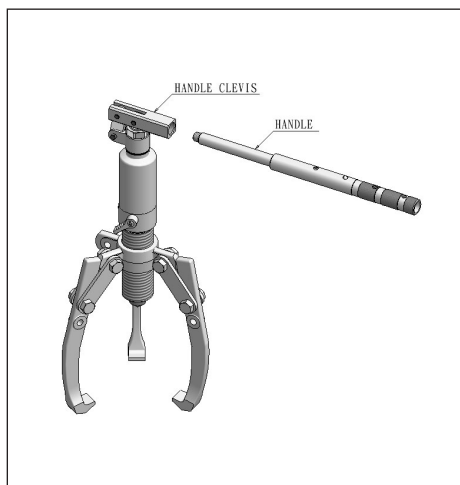


Figure 2



Figure 3

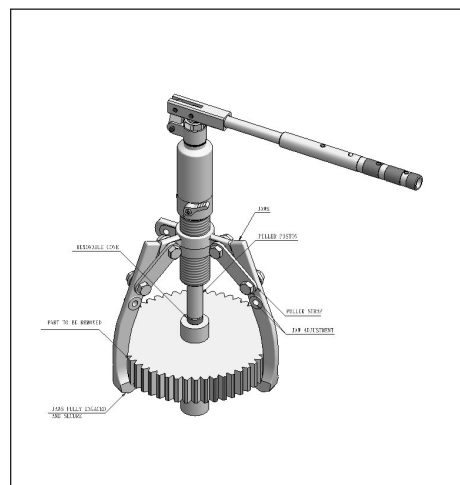


Figure 4

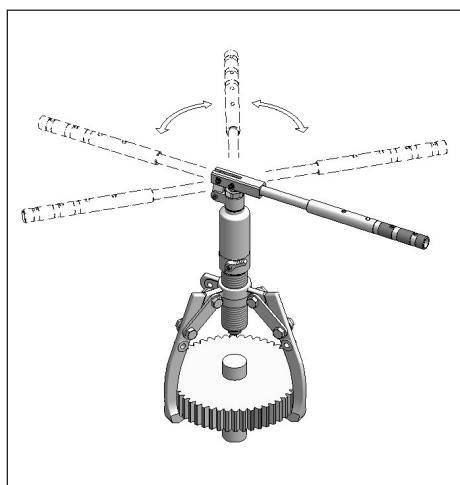


Figure 5

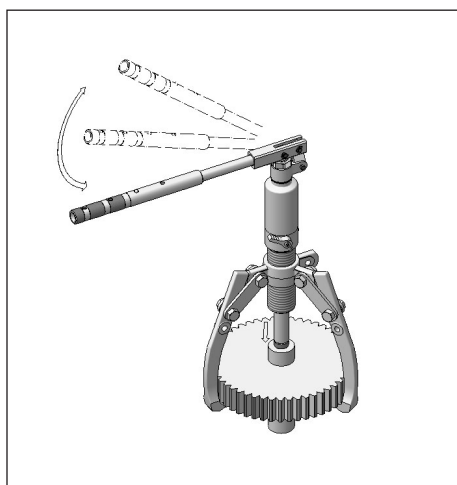


Figure 6

