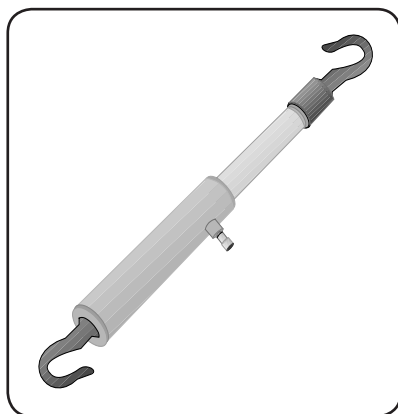




5 TON PULL-BACK RAM

Model 33611

ASSEMBLY AND OPERATION INSTRUCTIONS



Due to continuing improvements, actual product may differ slightly from the product described herein.



3491 Mission Oaks Blvd., Camarillo, CA 93011

Visit our website at: <http://www.harborfreight.com>

**TO PREVENT SERIOUS INJURY, READ AND UNDERSTAND
ALL WARNINGS AND INSTRUCTIONS BEFORE USE.**

Copyright® 1997, 2007 by Harbor Freight Tools®. All rights reserved. No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools.

For technical questions or replacement parts, please call 1-800-444-3353.

Manual Revised 02/07

SAVE THIS MANUAL

You will need this manual for the safety instructions, assembly and operating instructions and parts list. Put it in a safe, dry place for future reference. **Keep your invoice with this manual. Write the invoice number on the inside front cover.**

SAFETY WARNINGS & CAUTIONS

1. **KEEP WORK AREA CLEAN.** Cluttered areas invite injuries.
2. **KEEP CHILDREN AWAY.** All children should be kept away from the work area. Don't let them handle the tool.
3. **DO NOT ASSEMBLE OR OPERATE THIS TOOL IF UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to assemble or operate.
4. **AVOID MOVING PARTS WHILE USING THE PULL-BACK RAM.** Once unit is set in place keep fingers and hands away from contact areas. If unit needs to be moved, release pump pressure, move, and resume pumping.
5. **USE EYE PROTECTION.** Wear ANSI approved impact safety goggles. Goggles are available from Harbor Freight Tools.
6. **DRESS SAFELY.** Protective gloves and non-skid footwear or safety shoes are recommended when working with and operating the Pull Back Ram. Don't wear loose clothing or jewelry. They can get caught in moving parts. Also, wear a protective hair covering to prevent long hair from getting caught in the Pull Back Ram .
7. **DON'T OVERREACH.** Keep proper footing and balance at all times.
8. **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate any tool when you are tired.
9. **10,000 LB. LIMIT.** Do not operate beyond rated capacity.
10. **REPLACEMENT PARTS AND ACCESSORIES.** When servicing, use only identical replacement parts. Only use accessories intended for use with the Pull Back Ram. Approved accessories are available from Harbor Freight Tools.
11. **STORE IDLE EQUIPMENT.** When not in use, the Pull Back Ram should be stored in a dry location to reduce rust. For safety, store the Pull Back Ram in a locked cabinet, out of reach of children. During long term storage, coat the exposed chrome area of the Ram with a protective lubricant (such as silicon spray) to prevent rust damage
12. **KEEP COUPLER VALVES PROTECTED WHEN NOT IN USE.** Dust caps are included for all coupler valves and should be screwed in when not in use to keep the equipment clean.

UNPACKING

When unpacking your Pull-Back Ram, check to make sure the following parts are included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual.

Item #	Description	Qty
1	Pull-Back Ram	1
2	End Plug	1
3	Female End Hook (attached to Ram)	1
4	Male End Hook (attached to Ram)	1

OVERVIEW

Your Pull Back Ram is designed for pulling up to 10,000 pounds. Never exceed the maximum weight for the Pull-Back Ram as it may damage the equipment and cause serious injury.

Your Pull-Back Ram is designed to be used with a hydraulic pump that and hydraulic hose may be purchased separately from Harbor Freight.

ASSEMBLY

PULL-BACK RAM and HYDRAULIC PUMP Assembly

Step 1: Unscrew and save the END PLUG (#14) located on the end of the Pull-Back Ram COUPLER (#16) as shown in Figure 1.

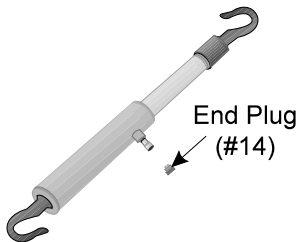


Figure 1 — Removing End Plug

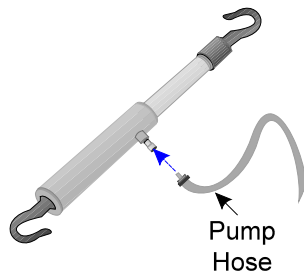


Figure 2 — Connecting Hose

Step 2: Securely screw the Hydraulic Pump Hose (not included) into the Pull Back Ram COUPLER as shown in Figure 2.

Step 3: Refer to the Hydraulic Pump instruction manual for pump assembly instructions.

OPERATION

General Operation

The PULL-BACK RAM may be used in either a horizontal or a vertical position. Its HOOKS (#3,#4) will turn to accept hooking from different angles.

Refer to the Hydraulic Pump instruction manual for pump operation.

Step 1: Position the Hydraulic Pump on a stable surface close to the pulling area.

Step 2: Hook one end of the Pull-Back Ram to the object to be moved and the other end to a stable base as shown in Figure 3. A chain or strap may be used on either side to provide a hooking surface. Make sure the chain or strap is rated to support the pulling weight.

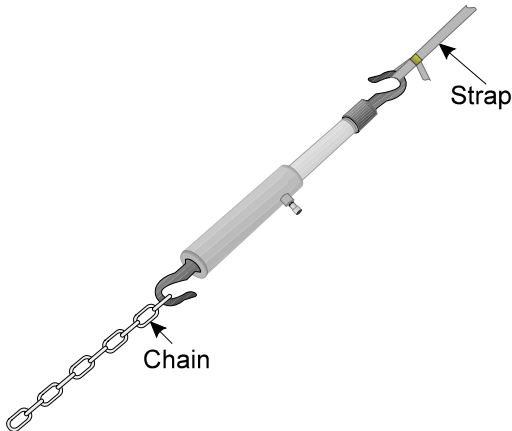


Figure 3 — Connecting Chain and Strap

Step 3: Slowly provide pressure to the Pull-Back Ram. Use caution; watch for damage to stressed areas and ensure personal safety at all times.

Step 4: When the object has reached the desired position, make sure it is stable and slowly release pressure to the Pull-Back Ram. If the object is not stable, affix it in place before releasing pressure to the Pull-Back Ram.

CARE AND MAINTENANCE

1. Keep all moving parts well lubricated. Using a high quality lubricating oil, coat the RAM (#23) before every use.
2. Occasionally the RAM will need to be purged of air (bled). The symptoms will include: slow response to pumping, a spongy feeling to pumping, the RAM not compressing as far as it should, and a loss of pulling power. Bleeding the ram requires specialized tools and procedures. Only a qualified technician should bleed the



LIMITED 90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of ninety days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

3491 Mission Oaks Blvd. • PO Box 6009 • Camarillo, CA 93011 • (800) 444-3353

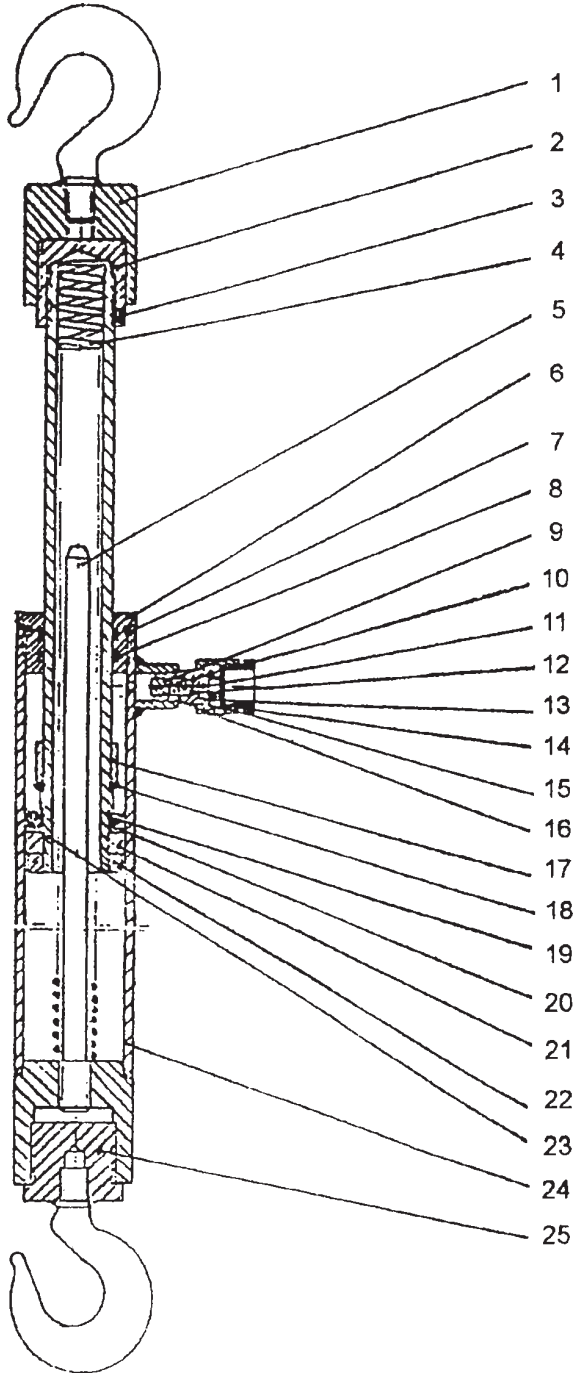
PARTS LIST

Part	Description	Q'ty	Part	Description	Q'ty
1	Up-Hook	1	15	Connection Nut	1
2	Nut	1	16	Coupler	1
3	Hex Screw	1	17	Bushing	1
4	Spring	1	18	Retaining Ring	1
5	Shaft	1	19	O-Ring	1
6	Nut	1	20	U-Type Packing	1
7	O-Ring	1	21	Collar	1
8	O-Ring	2	22	Nut	1
9	Spindle Screw	1	23	Ram	1
10	Spring	1	24	Cylinder	1
11	Valve	1	25	Down Hook	1
12	Oil Ring	1			
13	O-Ring	1			
14	End Plug	1			

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

DIAGRAM



Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.