

XtremepowerUS VD-4972AT

XtremepowerUS 26" Long 10-Ton Hydraulic Pull Back Ram Instruction Manual

Model: VD-4972AT

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your XtremepowerUS 26" Long 10-Ton Hydraulic Pull Back Ram. This robust tool is designed for heavy-duty applications requiring significant pulling or straightening force, commonly used in automotive bodywork, construction equipment repair, and various restoration projects. Please read this manual thoroughly before use and retain it for future reference.



Figure 1: XtremepowerUS 26" Long 10-Ton Hydraulic Pull Back Ram

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and protective footwear.
- Ensure the work area is clear of obstructions and well-lit.
- Never exceed the rated capacity of 10 tons. Overloading can cause equipment failure and injury.
- Ensure the ram is securely connected to a compatible hydraulic pump and all connections are tight before operation.
- Never place any part of your body between the ram and the workpiece during operation.
- Use appropriate blocking or stands to support the workpiece once the desired position is achieved.
- Inspect the ram and all components for damage or wear before each use. Do not use if damaged.
- Keep children and unauthorized personnel away from the work area.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- 1 x XtremepowerUS 26" Long 10-Ton Hydraulic Pull Back Ram
- 2 x Forged Steel Swivel Hooks (pre-attached)
- Instruction Manual (this document)

4. SPECIFICATIONS

Feature	Specification
Brand	XtremepowerUS
Model	VD-4972AT
Load Capacity	10 Tons
Overall Length	26 inches
Pulling Distance (Stroke)	5 inches
Material	Alloy Steel
Color	Red
Item Weight	11.95 pounds
Product Dimensions (L x W x H)	26.5 x 5.5 x 2.5 inches

5. SETUP

- 1. Connect to Hydraulic Pump:** The pull back ram is designed to connect to a compatible 10-ton hydraulic pump (sold separately). Ensure the hydraulic hose from your pump is securely attached to the ram's inlet port. Tighten all connections to prevent leaks.
- 2. Inspect Hooks:** Verify that the forged steel swivel hooks are securely attached to both ends of the ram and are free from damage or deformation.
- 3. Positioning:** Place the ram in the desired position for pulling or straightening. Ensure both hooks have a firm and stable grip on the objects to be moved.



Figure 2: Close-up of the hydraulic connection valve.



Figure 3: Detail of a forged steel swivel hook.

6. OPERATING INSTRUCTIONS

The hydraulic pull back ram is operated by a separate hydraulic pump. Follow the pump's instructions for operation, ensuring the ram is correctly positioned for the task.

1. **Engage Hooks:** Securely attach the hooks to the points on the workpiece that require pulling or straightening. Ensure the hooks are fully engaged and will not slip under tension.
2. **Apply Pressure:** Slowly operate the hydraulic pump to extend the ram. Observe the workpiece carefully as pressure is applied. Apply pressure gradually to avoid sudden movements or damage.
3. **Monitor Progress:** Continuously monitor the workpiece and the ram for any signs of stress, deformation, or slippage. Adjust the position or pressure as needed.
4. **Release Pressure:** Once the desired pulling or straightening is achieved, slowly release the pressure from the hydraulic pump according to its operating instructions. The ram will retract as pressure is released.
5. **Remove Ram:** After the ram has fully retracted and all pressure is released, carefully disengage the hooks from the workpiece.



Figure 4: Ram applying pulling force to a vehicle frame.



Figure 5: Ram used for straightening a metal component.

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Video 1: Demonstration of a 10-Ton Hydraulic Pull Back Ram in operation, showcasing its use with a Porta Power tool.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your hydraulic pull back ram.

- **Cleaning:** After each use, clean the ram and hooks to remove dirt, grease, and debris. Use a clean cloth and mild detergent if necessary.
- **Lubrication:** Periodically apply a thin coat of light machine oil to the exposed piston rod to prevent rust and ensure smooth operation.
- **Hydraulic Fluid:** Refer to your hydraulic pump's manual for instructions on checking and refilling hydraulic fluid. Ensure the fluid level is correct and use only recommended hydraulic fluid.
- **Storage:** Store the ram in a clean, dry environment, protected from moisture and extreme temperatures. Ensure the piston rod is fully retracted before storage.
- **Inspection:** Regularly inspect for signs of wear, damage, or leaks. Pay close attention to the hydraulic

hose, connections, and hooks. Replace any damaged parts immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Ram does not extend	Low hydraulic fluid level Air in hydraulic system Release valve open Damaged pump or ram	Check and refill hydraulic fluid Bleed air from the system (refer to pump manual) Ensure release valve is fully closed Inspect for damage; contact service if necessary
Ram extends slowly or weakly	Low hydraulic fluid level Air in hydraulic system Partial blockage in hose/ram	Check and refill hydraulic fluid Bleed air from the system Inspect hose and ram for obstructions
Hydraulic fluid leaks	Loose connections Damaged seals or hose	Tighten all connections Inspect and replace damaged seals or hose
Ram does not retract	Release valve not fully open Internal ram issue	Ensure release valve is fully open Contact service for internal inspection

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the official XtremepowerUS website or contact their customer service department. Keep your purchase receipt as proof of purchase.

10. CONTACT INFORMATION

For further assistance, please visit the XtremepowerUS store or contact their support team through the provided channels on their official website.

[Visit the XtremepowerUS Store on Amazon](#)