

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

21d

HaulMaster®

1,000 LB. HYDRAULIC TABLE CART



Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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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. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠ WARNING

Read this material before using this product. Failure to do so can result in serious injury.
SAVE THIS MANUAL.

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WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

Hydraulic Cart Safety Warnings

1. Study, understand, and follow all instructions before operating this device.
2. Do not exceed listed weight capacity.
Be aware of dynamic loading! Sudden load movement may briefly create excess load causing product failure.
3. Lock Casters when unattended.
4. Be aware of pinch points. Keep hands and feet clear of the lifting mechanism during operation. The Scissor Arm Assembly can cause serious injury when opening or closing. Do not allow anyone near the Scissor Arm Assembly during operation.
5. Use only on a flat, stable, hard surface.
6. Do not make any alterations to this product.
7. Wear ANSI-approved safety goggles and heavy-duty work gloves during use.
8. Keep clear of load while lifting and lowering.
9. Lower load slowly.
10. Inspect before every use; do not use if parts are loose or damaged.
11. Before first use, check hydraulic fluid level and fill to the top of the fill port as described on page 5. Place the Table Assembly on a flat surface which is well lighted and safe for assembly operation. Thoroughly test the Lift Table for proper operation.
12. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
13. This product is not a toy. Keep it out of reach of children.
14. Do not use for aircraft purposes.
15. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



SAVE THESE INSTRUCTIONS.



Specifications

Lift Capacity	1,000 lb.
Table Height	Minimum: 11" Maximum: 34-1/2"
Table Dimensions	32" L x 20" W
Casters	5" D x 2" W, (2 swivel with brakes, 2 fixed without brakes)

Setup - Before Use:



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to *Parts Lists and Diagrams* on page 8.

Assembly

1. Place the Table Assembly on a flat surface which is well lighted and safe for assembly operation.
2. Unfold the Handle by pulling it up and back into a vertical position. Lock the Handle into position.
3. Install the Pump Lever/Foot Pedal assembly into the Connecting Rod and secure in place using the Bolt.

Note: The Handle may be released and folded back down by pressing down the Locking Bar.

Functions



Figure A:

Note: The Control Lever controls the operation of the Hydraulic Ram unit. To lower the Ram and Table, squeeze the Control Lever. When the Control Lever is released, the Ram and Table movement will stop and the table will remain stationary.

Operating Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Tool Set Up

Bleeding the Hydraulic Ram

Note: Before using this tool, the hydraulic ram must be purged of air (called bleeding).

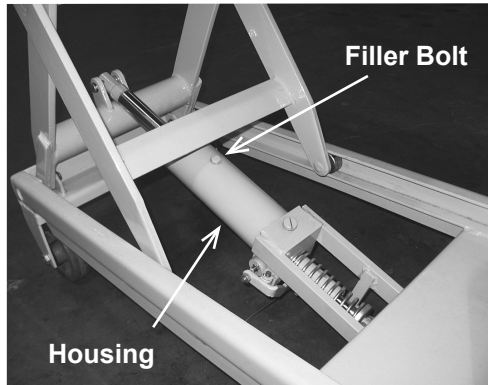


Figure B:

1. Remove any load from the Table.
2. Release the Control Lever, then repeatedly pump the Foot Pedal.
3. When the table has been raised, remove the Filler Bolt from the Housing. Use a rag to catch any fluid leaks. Keeping hands and tools clear, squeeze the Control Lever while pumping the Foot Pedal several times rapidly to lower the Table.
4. Release the Control Lever, and pump more slowly to raise the Table to its full height.
5. Add good quality hydraulic fluid into the opening in the Housing where the Filler Bolt has been removed. Fill until the Housing will hold no more fluid.
6. Replace the Filler Bolt and its Seal Washer into the Housing, tighten, but do not overtighten to avoid damaging the Washer.
7. Check the condition of the Hydraulic Lift Table before use. Raise and lower it several times before adding any load. Be sure that all controls work properly.

Workpiece and Work Area Set Up

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Use the Table on a flat, hard, level surface that is free of debris. Sweep area clean if needed.



General Operating Instructions

SAFETY

SETUP

OPERATION

MAINTENANCE

1. Unfold the Handle by lifting it up to a vertical position until it locks in place.
2. Before placing anything on the cart, lock the back two casters. The Locking Swivel Casters can be locked by pressing the lever down into the locked position with your foot. Test the cart operation using the Foot Pedal and Control Lever. Make sure the Table raises and lowers properly before adding weight to the Table.
3. Observing safe lifting procedures, move the workpiece onto the cart. If necessary, secure the item onto the cart using tie-downs or chocks to keep it stable while moving.
4. Release the Locking Swivel Casters by moving the levers to the unlock position. Move the workpiece to the desired location.
5. Before raising the workpiece, lock the Locking Swivel Casters.
6. To raise the Table, ensure that the Control Lever is in the released position. Press repeatedly on the Foot Pedal to raise the table.
7. To lower the Table squeeze the Control Lever. The Table has a 2-speed valve. Squeeze the Lever halfway for slowly lowering a load. Squeeze it fully for quickly lowering the Table when empty.
8. To prevent accidents, when finished using the cart, move the cart to a safe location, lock the Locking Swivel Casters, lower the Table as far as it will go. Clean, then store the cart indoors out of children's reach.



Maintenance and Servicing



Procedures not specifically explained in this manual must be performed only by a qualified technician.

WARNING

TO PREVENT SERIOUS INJURY:

Remove load from Lift Table before service. Lower table when possible before service.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

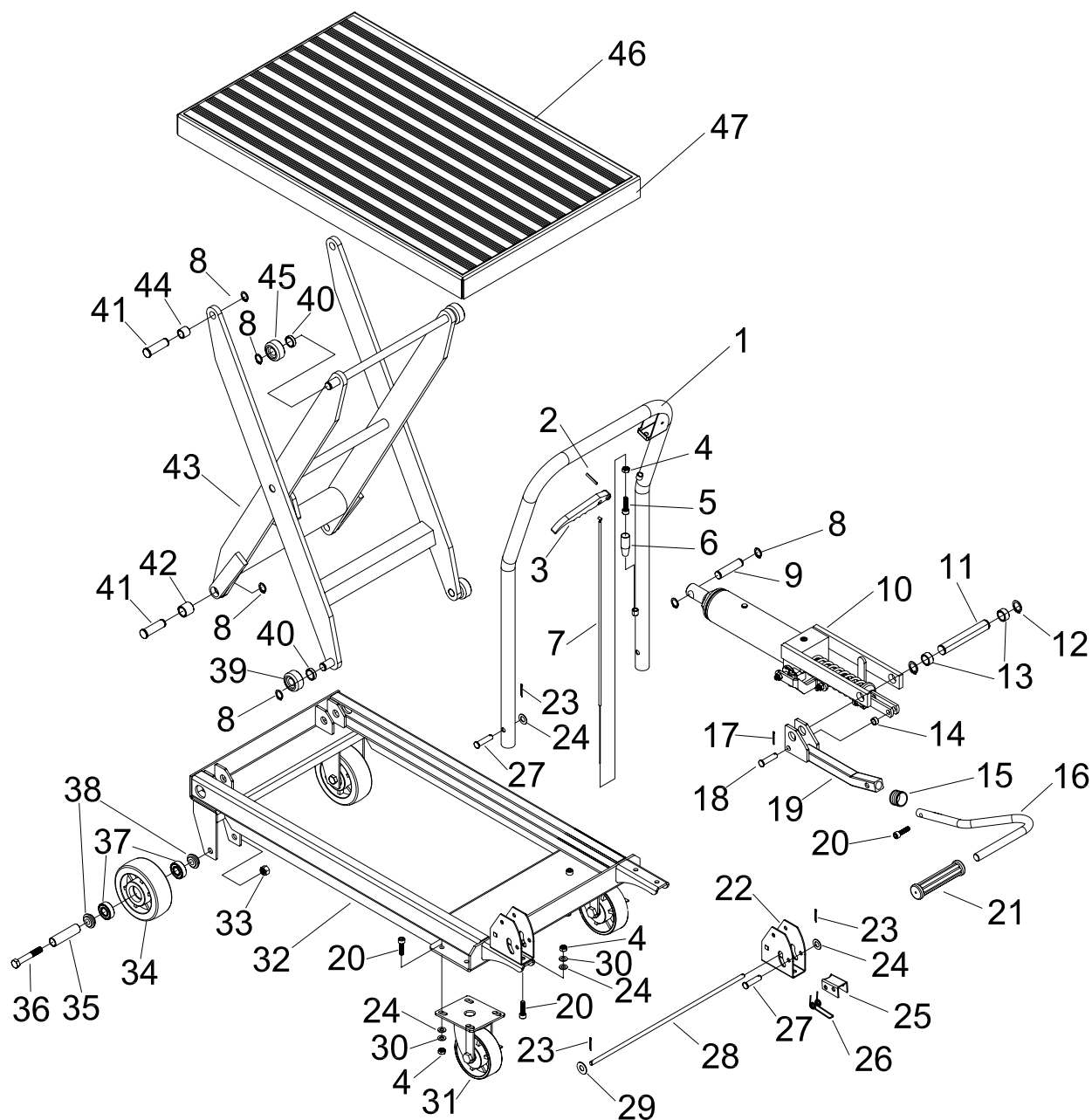
Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose hardware, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.
2. For convenient storage, the handle can be folded down. To do this, press down on the Locking Bar, then press down on the Handle.
3. For best service, keep your Hydraulic Cart clean and in good condition.
4. Store your Hydraulic cart in a location where it is protected from moisture, dirt and corrosive atmosphere. Protect it from being damaged from other items being moved in and out of its storage area.
5. Occasionally apply light grease to the hinge points of the Scissor Arm Assembly and other pivot points of the assembly. Wipe off excess grease, as this will attract dirt.
6. Do not overload this cart, as that may cause damage to the seals. If the Table will not raise, or slowly lowers, the cause may be damaged seals or low hydraulic oil level. To fix this condition, first try the purging technique discussed on page 5 of this booklet. If that doesn't work, take the Hydraulic Table Cart to a qualified technician for repair.
7. Occasionally check the condition of the wheels. They should be kept free of grease and oil, which may damage the rubber tires. Occasionally add grease to the grease fittings on each wheel.
8. **AFTER USE**, wipe external surfaces of the tool with clean cloth.

Note: The Table must be completely lowered before folding down the Handle.

Main Parts List and Assembly Diagram

Part	Description	Qty	Part	Description	Qty	Part	Description	Qty
1	Handle	1	17	Cotter Pin	1	33	Lock Nut	2
2	Roll Pin	1	18	Pin	1	34	Wheel	2
3	Control Lever	1	19	Connecting Rod	1	35	Bushing	2
4	nut	13	20	Bolt	13	36	Hex Bolt	2
5	Bolt	1	21	Foot Pedal	1	37	Bearing	4
6	Jacket	1	22	Grip Seat	2	38	Washer	4
7	Pull Rod	1	23	Cotter Pin	6	39	Roller	2
8	Retaining Ring	6	24	Washer	16	40	Washer	4
9	Pin	1	25	Handle Lock Pivot	2	41	Pin	4
10	Power Unit	1	26	Spring	2	42	Bushing	2
11	Pin	1	27	Pin	4	43	Scissor Arm Assembly	1
12	Retaining Ring	2	28	Locking Bar	1	44	Bushing	2
13	Bushing	2	29	Washer	2	45	Roller	2
14	Bushing	1	30	Spring Washer	12	46	Protective Mat	1
15	Cushion	1	31	Locking Swivel Caster	2	47	Table	1
16	Pump Lever	1	32	Base	1			

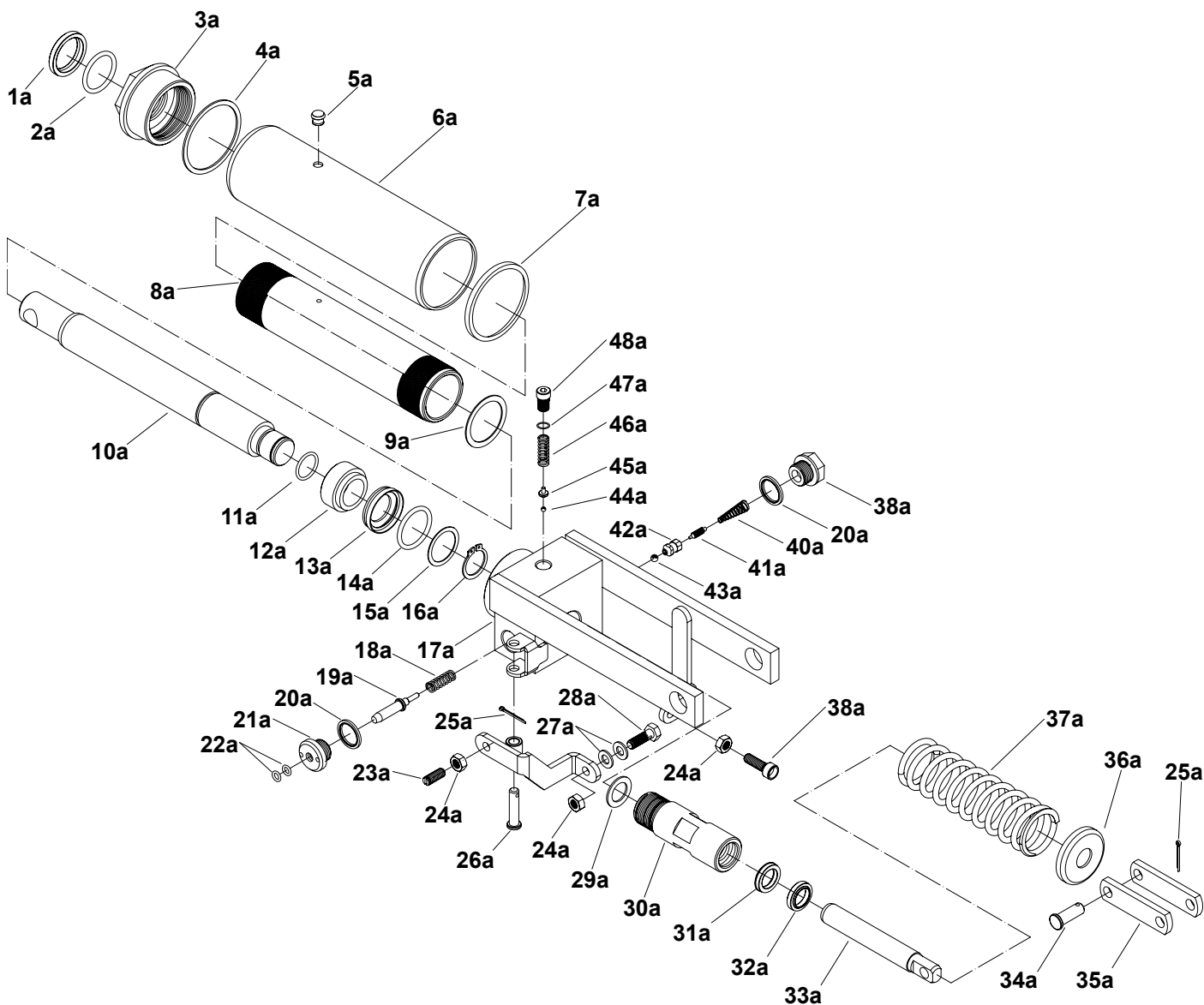


Parts List and Assembly Diagram A – Ram

Part	Description	Qty
1a	Dust Ring	1
2a	O-ring	1
3a	Top Nut	1
4a	Sealing Gasket	1
5a	Filler Bolt	1
6a	Housing	1
7a	T-ring	1
8a	Cylinder	1
9a	Copper Washer	1
10a	Ram	1
11a	O-ring	1
12a	Piston	1
13a	O-ring Retainer	1
14a	O-ring	1
15a	Washer	1
16a	Retaining Ring	1

Part	Description	Qty
17a	Base	1
18a	Spring	1
19a	Release Valve	1
20a	Seal Washer	2
21a	Axle Sleeve	1
22a	O-ring	2
23a	Screw	1
24a	Nut	3
25a	Cotter Pin	2
26a	Pin	1
27a	Washer	2
28a	Bolt	1
29a	Seal Washer	1
30a	Pump Cylinder	1
31a	U-cup	1
32a	Dust Ring	1

Part	Description	Qty
33a	Pump Piston	1
34a	Pin	1
35a	Linkage	2
36a	Spring Cap	1
37a	Spring	1
38a	Bolt	1
39a	Plug	1
40a	Spring	1
41a	Pumping Valve Spindle	1
42a	Pumping Valve Seat	1
43a	Steel Ball	1
44a	Steel Ball	1
45a	Ball Seat	1
46a	Spring	1
47a	O-ring	1
48a	Adjusting Bolt	1



SAFETY

SETUP

OPERATION

MAINTENANCE

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.

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. Specify UPC 792363604383 when ordering parts.

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 90 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, criminal activity, improper installation, normal wear and tear, 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.

