

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.

21e



58306

5,000 lb Capacity 2.5 TON PALLET JACK



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

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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⚠ WARNING

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

Important Safety Information

1. Do not exceed 5,000 lb. capacity. Be aware of dynamic loading! Sudden load movement may briefly create excess load causing product failure.
2. Wear ANSI-approved safety goggles, heavy-duty work gloves and non-skid footwear during assembly and use.
3. Use as intended only. Do not use to support people or animals or use for aircraft purposes.
4. Keep clear of fork and load while raised.
5. Only use on flat, level surface able to withstand weight of truck and load.
6. Do not leave unattended while under load.
7. Only use with balanced, properly secured load.
8. Inspect before every use; do not use if parts loose or damaged.
9. This product is not a toy. Do not allow children to play with or near this item.
10. Do not operate while under the influence of alcohol or drugs.
11. Do not wear loose clothing or jewelry, and wear restrictive hair covering, as they can be caught in moving parts.
12. Before each use, carefully inspect the wheels, Handle Frame, Chassis and Handle for proper operation. Do not use the Jack unless all components are operating properly.
13. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Specifications

Capacity		2-1/2 Ton (5,000 LB.)
Fork Height	Maximum	7-1/2 IN.
	Minimum	3 IN.
Fork Length		47-1/2 IN.
Fork Width		6-1/4 IN.
Width over Forks		27 IN.

Set Up Instructions



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

Handle Assembly

You will need to attach the Handle to the base of the Jack before first use. Refer to the Parts Lists and Diagrams near the end of this manual for part numbers. Tighten hardware to no more than 43 ft-lb, using a torque wrench (sold separately).

1. Remove the three Screws (D611) from the Handle Bracket (D151).
2. Set the Handle (D610A or B) on the Handle Bracket, making sure that the Chain (D612) and the Adjusting Bolt (D614) pass through the large opening in the center of the Handle Bracket and the hole in the center of the Shaft (D153).
3. Slide the Washers (D616) onto the Screws (D611) then insert the Screws through the Handle into the Handle Bracket (D151) and tighten securely.
4. Raise the Lever Plate (D132) and insert the Adjusting Bolt (D614) into the slotted open end, keeping the Adjusting Nut (D615) on the underside of the Lever Plate.

The Control Lever

The Control Lever on the Handle has three positions: Raise, Drive and Lower.

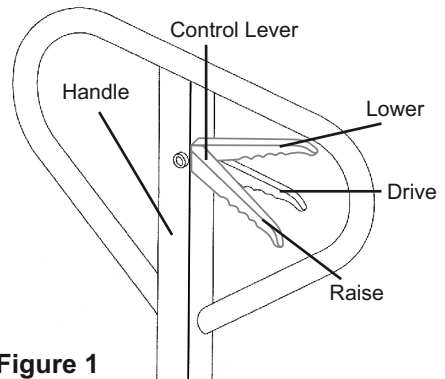


Figure 1

- a. **Raise** - Move the Handle down to its lowest position. Pump the Handle frame up and down to lift the Jack Forks.
- b. **Drive** - Move the Handle to the center position. The Jack Forks do not change position when in drive. This position is used when the load is moved from one location to another.
- c. **Lower** - Hold the Handle up in its highest position. This position automatically moves the Forks to their lowest level. This position is only in place as long as you hold the Handle up. The Handle moves back to the Drive position when released.

If the Handle does not function properly, make adjustments as described in the following chart

by turning the Adjusting Nut (D615). After each adjustment, check that all positions of the Control Lever function properly and re-adjust if needed.

4. If needed add oil to the level of the oil fill hole.
5. Replace the Oil Plug.

Position	Problem	Turn Adjusting Nut (D615)
Drive	Forks rise instead of staying in neutral.	Clockwise until pumping action does not raise forks.
Drive	Forks lower, or lower when pumping handle is in Drive position.	Counterclockwise until forks do not lower.
Lower	Forks do not lower.	Clockwise until raising the Control Lever lowers the Forks.
Raise	Forks do not elevate.	Counterclockwise until the Forks elevate while pumping in the Raise position.

Bleeding the Hydraulic Jack

Before every use, check that there is enough oil in the Jack by lowering the Forks, removing the Oil Plug (D149) from the Jack and filling the Jack with high quality hydraulic oil to the level of the fill hole.

To Bleed the Jack of excess air:

1. Hold the Control Lever up to its highest position to lower the Forks.
2. Remove the Oil Plug.
3. Pump the Handle up and down several times to push excess air out of the Jack.

Operating Instructions



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

1. Hold the Control Lever in its highest position to lower the Forks, then release the Control Lever.
2. Slide the Forks under the load, being careful to center the load over the Forks, and to have the main weight of the load resting as near as possible to the Steering Wheels.
3. Push the Control Lever down to the Raise position, then pump the Handle until the load is raised off the floor and is resting on the Forks.
4. Move the Control Lever to the Drive position and wheel the load to the desired location.
5. Hold the Control Lever in its highest position to lower the Forks, then release the Control Lever.
6. Slide the Forks out from under the load.
7. When finished using the Jack, hold the Control Lever in its highest position to Lower the Forks.
8. Store in a clean dry place away from children.

Maintenance



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

1. Lower Jack completely after every use.
2. Periodically use motor oil or grease to lubricate all moveable parts.
3. Replace handle if pin breaks.

Troubleshooting

Problem	Possible Causes	Likely Solutions
The Forks do not raise completely.	Insufficient oil.	Refill Jack with hydraulic oil through Oil Plug hole.
The forks will not raise.	<ol style="list-style-type: none"> 1. Insufficient oil. 2. Air in valve chamber. 3. Old/contaminated oil. 	<ol style="list-style-type: none"> 1. Refill Jack with hydraulic oil through Oil Plug hole. 2. Raise the Control Lever to the Upper position and pump the handle several times. 3. Change oil and replace Seals.
The forks will not descend.	<ol style="list-style-type: none"> 1. Deformed piston rod. 2. Piston rod rusted. 3. Control handle, bolt, or chain broken or missing. 	<ol style="list-style-type: none"> 1. Replace piston rod and cylinder. 2. Lubricate/replace rod. Keep Jack in lowered position when not in use. 3. Replace the Handle Assembly.
Fluid Leak.	Component, likely seal, worn or damaged.	Inspect and replace worn or damaged parts.
Forks descend without operating release valve.	<ol style="list-style-type: none"> 1. Contaminated oil clogging valve. 2. Hydraulic component damaged. 	<ol style="list-style-type: none"> 1. Clean valve with kerosene and change oil. 2. Replace damaged part.



Follow safety precautions whenever diagnosing or servicing the tool.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS DOCUMENT 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 Serial Number Here:

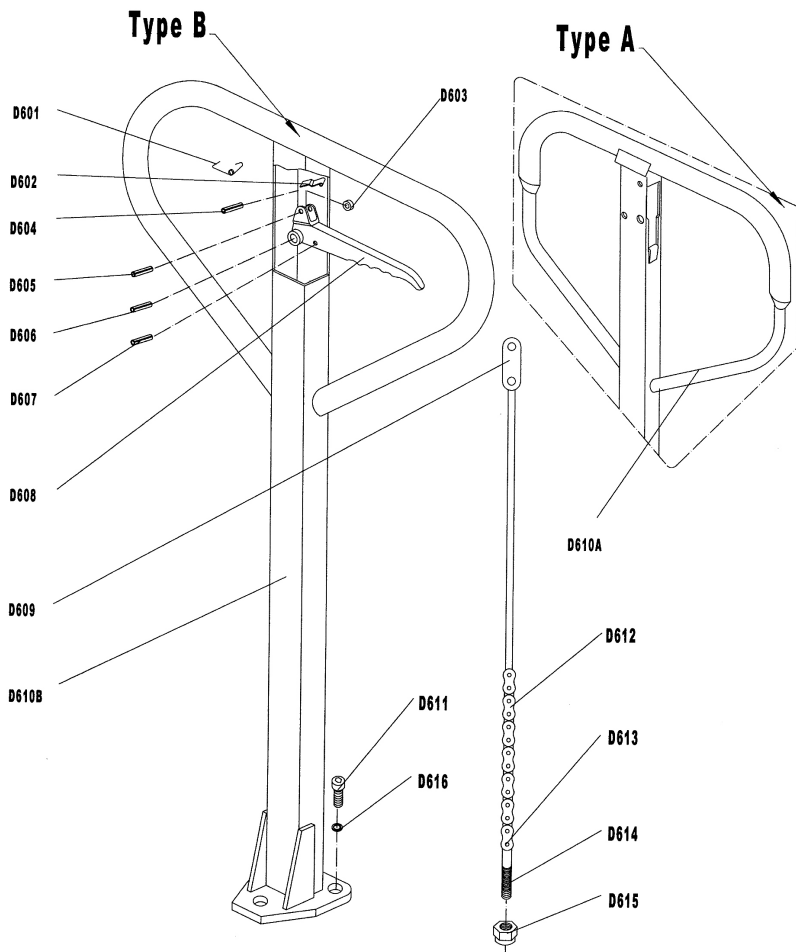
Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175436795 when ordering parts.

Handle Parts List and Diagram

Part	Description	Qty
D601	Spring	1
D602	Blade Spring	1
D603	Roller	1
D604	Elastic Pin	1
D605	Elastic Pin	1
D606	Elastic Pin	1
D607	Elastic Pin	1
D608	Control Handle	1
D609	Pull Board	1

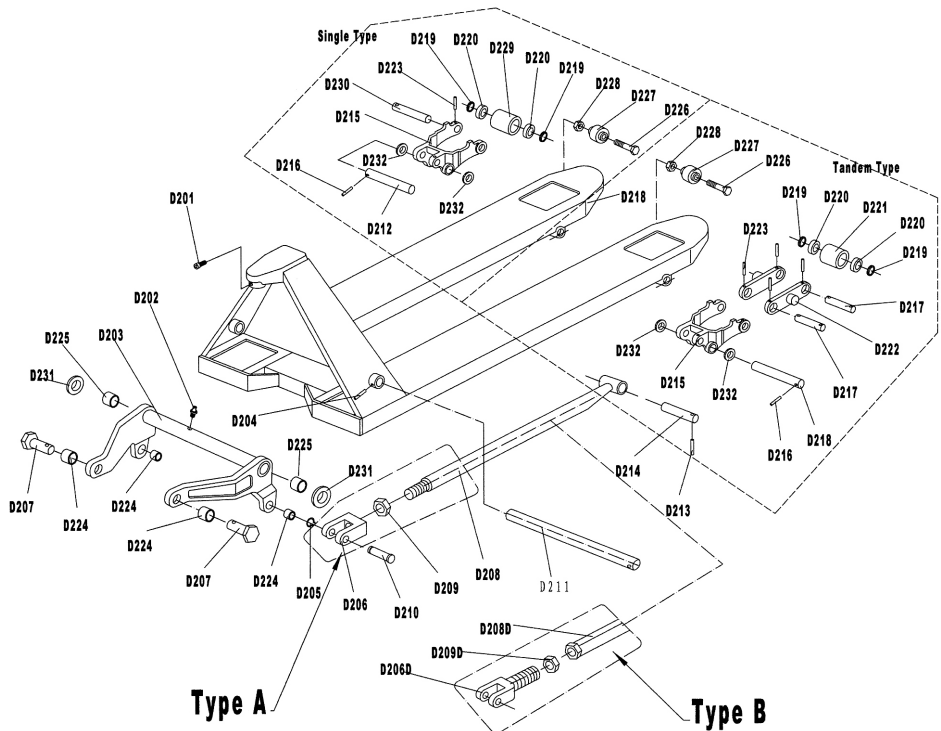
Part	Description	Qty
D610B	Handle (For Type A)	1
D610A	Handle (For Type B)	1
D611	Screw	3
D612	Chain	1
D613	Pin	1
D614	Adjusting Bolt	1
D615	Adjusting Nut	1
D616	Washer	3



Fork Frame Parts List and Diagram

Part	Description	Qty
D201	Screw	1
D202	Oil Holder	1
D203	Rocker Arm	1
D204	Elastic Pin	1
D205	Retaining Ring	2
D206	Joint (For Type A)	2
D206D	Joint (For Type B)	2
D207	Shaft	2
D208	Push Rod (For Type A)	2
D208D	Push Rod (For Type B)	2
D209	Nut (For Type A)	2
D209D	Nut (For Type B)	2
D210	Pin	2
D211	Shaft	1
D212	Shaft	2
D213	Elastic Pin	2
D214	Shaft	2
D215	Roller Frame	2

Part	Description	Qty
D216	Elastic Pin	2
D217	Roller Shaft	4
D218	Fork Frame	1
D219	Washer	4
D220	Bearing	4
D221	Loading Roller	4
D222	Linking Plate	4
D223	Elastic Pin	8
D224	Bushing	4
D225	Bushing	2
D226	Bolt	2
D227	Enter Roller	2
D228	Nut	2
D229	Loading Roller	2
D230	Roller Shaft	2
D231	Washer	2
D232	Washer	4

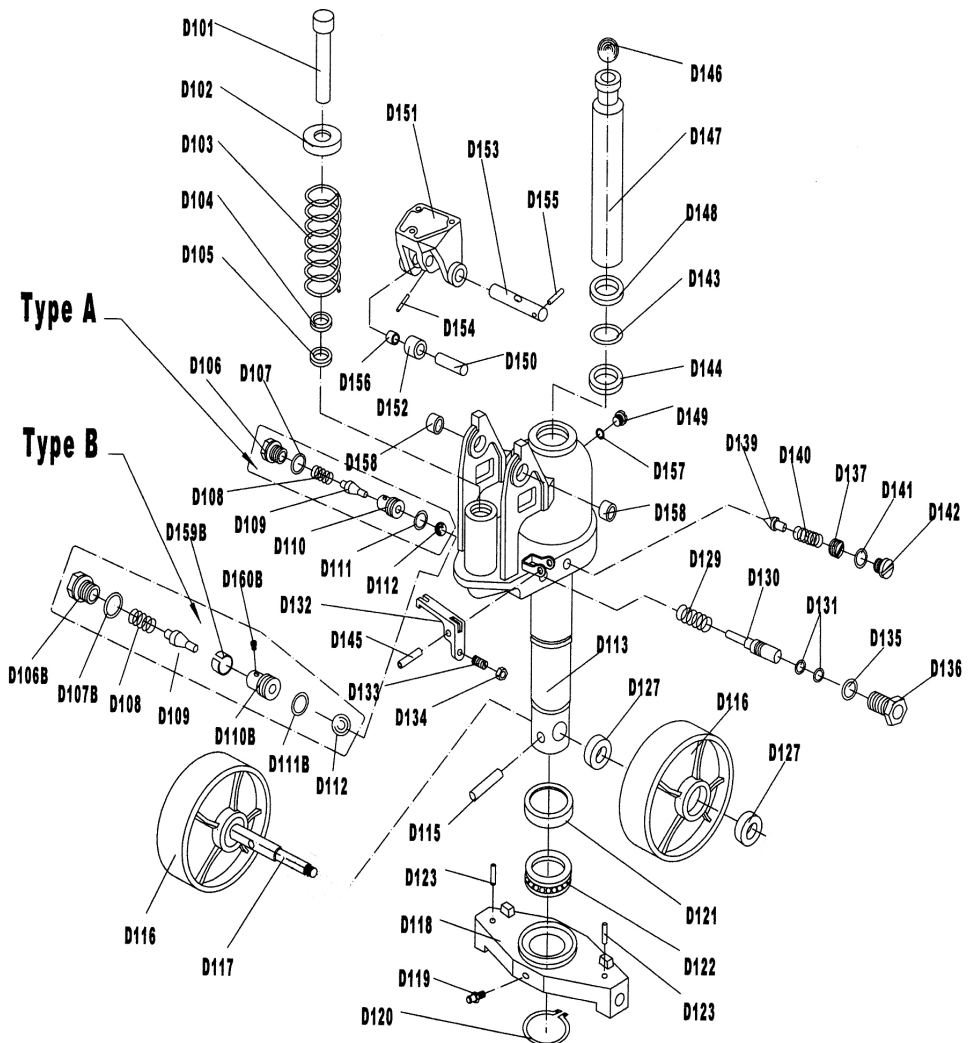


Pump Parts List

Part	Description	Qty
D101	Pump Piston Rod	1
D102	Washer	1
D103	Spring	1
D104	Dust Ring	1
D105	Y-Seal	1
D106	Screw (For Type A)	1
D106B	Screw (For Type B)	1
D107	O-Ring (For Type A)	1
D107B	O-Ring (For Type B)	1
D108	Spring	1
D109	Pumping Valve Spindle	1
D110	Pumping Valve Seat (For Type A)	1
D110B	Screw (For Type B)	1
D111	O-Ring (For Type A)	1
D111B	O-Ring (For Type B)	1
D112	Steel Ball	1
D113	Pump Base	1
D115	Elastic Pin	1
D116	Steering Wheel	2
D118	Thrust Plate	1
D119	Oil Holder	1
D120	Retaining Ring	1
D121	Bearing Cover	1
D122	Bearing	1
D123	Elastic Pin	2
D124	Dust Cover	2
D127	Bearing	4
D129	Spring	1
D130	Strike Pin	1

Part	Description	Qty
D131	O-Ring	2
D132	Lever Plate	1
D133	Adjusting Screw	1
D134	Nut	1
D135	O-Ring	1
D136	Axle Sleeve	1
D137	Adjusting Bolt	1
D139	Safety Valve Spindle	1
D140	Spring	1
D141	O-Ring	1
D142	Screw	1
D143	O-Ring	1
D144	Y-Seal	1
D145	Elastic Pin	1
D146	Steel Ball	1
D147	Piston Rod	1
D148	Dust Ring	1
D149	Oil Plug	1
D150	Shaft	1
D151	Handle Bracket	1
D152	Pressure Roller	1
D153	Shaft	1
D154	Elastic Pin	1
D155	Elastic Pin	1
D156	Bushing	1
D157	Seal Washer	1
D158	Bushing	2
D159B	Sleeve (For Type B)	1
D160B	Screw (For Type B)	1

Pump Diagram



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.



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