



# OWNER'S MANUAL

## FLJ-45 Forklift Jack



**JET EQUIPMENT & TOOLS, INC.**  
A WMH Company  
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Phone: 253-351-6000  
Fax: 1-800-274-6840  
**M-440445K 08/01**

# Important Information

## **1-YEAR LIMITED WARRANTY**

**JET offers a one-year limited  
warranty on this product**

### **REPLACEMENT PARTS**

Replacement parts for this tool are available directly from JET Equipment & Tools.  
To place an order, call 1-800-274-6848. Please have the following information ready:

1. Visa, MasterCard, or Discover Card number
2. Expiration date
3. Part number listed within this manual
4. Shipping address other than a Post Office box.

### **REPLACEMENT PART WARRANTY**

JET Equipment & Tools makes every effort to assure that parts meet high quality and durability standards and warrants to the original retail consumer/purchaser of our parts that each such part(s) to be free from defects in materials and workmanship for a period of thirty (30) days from the date of purchase.

### **PROOF OF PURCHASE**

Please retain your dated sales receipt as proof of purchase to validate the warranty period.

### **LIMITED TOOL AND EQUIPMENT WARRANTY**

JET makes every effort to assure that its products meet high quality and durability standards and warrants to the original retail consumer/purchaser of our products that each product be free from defects in materials and workmanship as follows: 1 YEAR LIMITED WARRANTY ON THIS JET PRODUCT. Warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities or to a lack of maintenance. JET LIMITS ALL IMPLIED WARRANTIES TO THE PERIOD SPECIFIED ABOVE FROM THE DATE THE PRODUCT WAS PURCHASED AT RETAIL. EXCEPT AS STATED HEREIN, ANY IMPLIED WARRANTIES OR MECHANABILITY AND FITNESS ARE EXCLUDED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG THE IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. JET 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 PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. To take advantage of this warranty, the product or part must be returned for examination, postage prepaid, to an authorized service station designated by our Auburn office. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection discloses a defect, JET will either repair or replace the product or refund the purchase price, if we cannot readily and quickly provide a repair or replacement, if you are willing to accept such refund. JET will return repaired product or replacement at JET's expense, but if it is determined there is no defect, or that the defect resulted from causes not within the scope of JET's warranty, then the user must bear the cost of storing and returning the product. This warranty gives you specific legal rights, and you have other rights, which vary, from state to state.

**JET Equipment & Tools • P.O. Box 1349, Auburn, WA 98071-1349 • (253) 351-6000**

## **WARNING**

1. This is a lifting device only. Do not move or dolly the vehicle while on the jack. The load shall be supported immediately by other appropriate means.
2. Do not overload. Overloading can cause damage to or failure of the jack.
3. Lift only on areas of the vehicle specified by the vehicle manufacturer.
4. This jack is designed for use on hard, level surfaces capable of sustaining the load. Use on other than hard, level surfaces can result in jack instability and possible loss of load.
5. Do not get under vehicle while jack is being used as the only support.
6. If jack appears damaged in any way, found to be badly worn, or operates abnormally, it shall be removed from service. Contact your local JET distributor for the location of the nearest JET Authorized Repair Station.
7. Use only genuine JET replacement parts if replacement of parts is necessary.
8. Failure to comply with these warnings may result in loss of load, damage to jack, and/or failure resulting in personal injury or property damage.

### **Specifications:**

**FLJ-45**

Stock Number .....	440445K
Scissors Capacity.....	8,000 lbs.
Post Capacity .....	10,000 lbs.
Minimum-Maximum Scissors Height.....	2-9/16" to 16-7/8"
Minimum-Maximum Post Height .....	16-3/8" to 28-1/2"
Handle Length.....	35-1/2"
Overall Size (LxW/in) .....	26-3/4" to 8-1/4"
Net Weight (approx.).....	100 lbs.

### **Assembly**

**Note:** For parts identification, refer to parts breakdown located on page 5.

1. Insert one piece T-handle (25) into handle socket (34). Line up linkage (56) so that it fits into the handle. Tighten socket head cap screw (29) to secure the handle.
2. Make sure handle engages the linkage (56) by turning handle knob (22).
3. Remove the screw (42) that is used for shipping. Replace the screw with the one that has an air hole.

### **Lubrication**

1. Linkage - use #2 tube grease where linkage (56) inserts into the handle.
2. Grease Fittings - inject #2 tube grease into two grease fittings (16).
3. Lubricate pivoting and moving parts with 30W oil.

## **Raising the Jack**

1. Turn handle knob clockwise, until resistance is felt. Do not over tighten.
2. Place jack directly under object to be lifted. Check positioning under slight load to confirm jack or load will not slip, and is properly centered under load.
3. Raise jack by pumping handle until desired height is reached. After lifting, secure load by appropriate means. Do not use jack as the only means of support.

## **Lowering the Jack**

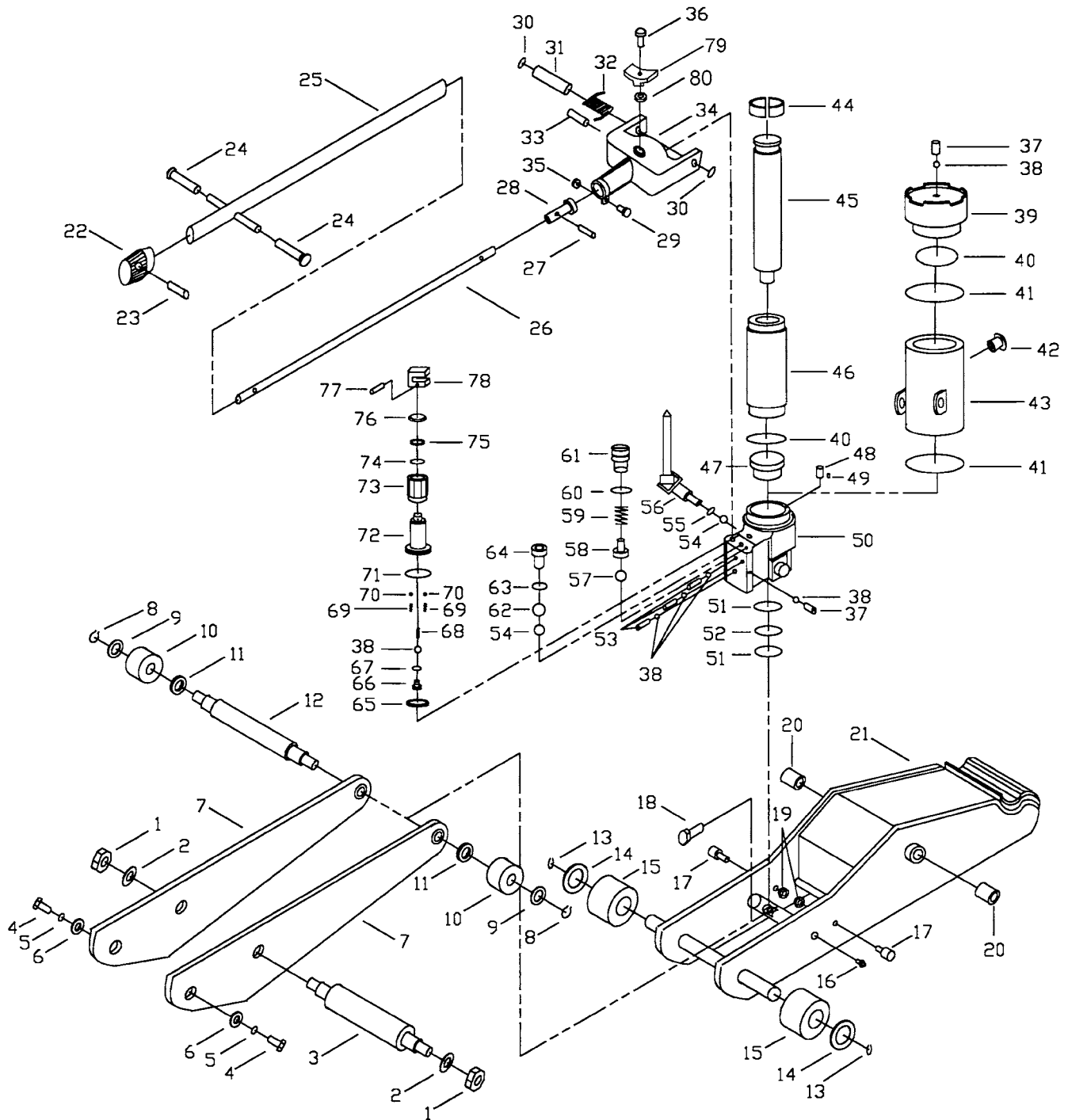
1. Slowly turn handle knob counter-clockwise. Speed of descent is controlled by how much the release valve is turned. Always lower the load slowly and with caution
2. Always store jack in the fully lowered position.

## **Troubleshooting**

If jack fails to rise to its limit, or performs poorly remove oil fill plug (42), and inspect hydraulic oil level. Fill with high quality hydraulic jack oil to the plug level. Replace oil fill plug and test jack without a load for proper function and operation several times.

Sometimes during shipment and handling, air may be allowed into the hydraulic system, causing poor lifting performance. Before initial operation, purge any air from the system by fully opening pump release valve (turn handle knob counter-clockwise). Pump handle rapidly several times and close pump release valve. If jack does not lift properly, repeat air purging process.

# FLJ-45 Parts Breakdown



## FLJ-45 Parts List

Index No.	Part No.	Description	Size	Quantity
1	TS-2310162	Hex Nut	M16	2
2	FLJ45-2	Lock Washer	M16	2
3	FLJ45-3	Rod		1
4	FLJ45-4	Hex Cap Screw	M8x15	2
5	FLJ45-5	Lock Washer	M8	2
6	FLJ45-6	Bushing	φ44x3	2
7	FLJ45-7	Side Plates		2
8	FLJ45-8	Snap Ring	φ18	2
9	TS-155011	Flat Washer	M20x1	2
10	FLJ45-10	Front Wheel	φ52x30	2
11	FLJ45-11	Spanner Nut	M20x1.5	2
12	FLJ45-12	Axle		1
13	FLJ45-13	Snap Ring	φ20	2
14	TS-155011	Flat Washer	M20x1	2
15	FLJ45-15	Rear Wheel		2
16	FLJ45-16	Grease Fitting		2
17	FLJ45-17	Screw	M18x38	2
18	TS-1490031	Hex Cap Screw	M8x20	1
19	TS-1541031	Lock Nut	M8	2
20	FLJ45-20	Spacer	φ35x20	2
21	FLJ45-21	Lifting Arm Assembly		1
22	FLJ45-22	Knob		1
23	FLJ45-23	Spring Pin	4x45	1
24	FLJ45-24	Handle Grip		2
25	FLJ45-25	Handle		1
26	FLJ45-26	Release Rod		1
27	FLJ45-27	Pin	φ4x25	1
28	FLJ45-28	Socket		1
29	FLJ45-29	Socket Head Cap Screw	M10x40	1
30	FLJ45-30	Snap Ring	φ16	2
31	FLJ45-31	Rod	φ16x104	1
32	FLJ45-32	Spring		1
33	FLJ45-33	Pin	φ12x37	1
34	FLJ45-34	Socket		1
35	TS-1540072	Hex Nut	M10	2
36	FLJ45-36	Screw	M6x16	1
37	FLJ45-37	Screw	M8x10	2
38	SB-5MM	Ball	5mm	8
39	FLJ45-39	Cylinder Nut		1
40	FLJ45-40	O-Ring*	47.5x2.65	2
41	FLJ45-41	O-Ring*	75x2.65	2
42	FLJ45-42N	Screw w/Air Hole	M10x1	1
43	FLJ45-43	Reservoir		1
44	FLJ45-44	Bushing		1
45	FLJ45-45	Piston Rod		1
46	FLJ45-46	Cylinder		1
47	FLJ45-47	Spacer		1
48	FLJ45-48	Filter		1
49	FLJ45-49	Magnet Steel		1
50	FLJ45-50	Valve Block		1
51	FLJ45-51	O-Ring*	37.5x3.55	2
52	FLJ45-52	Nylon Washer*	φ44x1.5	1
53	FLJ45-53	Screw	M6x15	5

Index No.	Part No.	Description	Size	Quantity
54	SB-6MM	Ball	6mm	6
55	FLJ45-55	Square Ring	8.8x4.4x6	1
56	FLJ45-56	Linkage		1
57	SB-4MM	Ball	4mm	1
58	FLJ45-58	Seat		1
59	FLJ45-59	Spring	φ7.5x19.7	1
60	FLJ45-60	O-Ring*	7.5x2.65	1
61	FLJ45-61	Screw	φ12x21	1
62	SB-9MM	Ball	9mm	1
63	FLJ45-63	Gasket*	φ12	1
64	FLJ45-64	Screw	M12x20	1
65	FLJ45-65	Gasket*	φ28.3x1.5	1
66	FLJ45-66	Screw	φ10x13	1
67	FLJ45-67	O-Ring*	6.9x1.8	1
68	FLJ45-68	Spring	φ8x20.7	1
69	FLJ45-69	Spring	φ4x8	2
70	SB-3MM	Ball	3mm	3
71	FLJ45-71	O-Ring*	18.8x2	1
72	FLJ45-72	Plunger		1
73	FLJ45-73	Pump		1
74	FLJ45-74	O-Ring*	14x2.65	1
75	FLJ45-75	Back-Up Ring*	14x1.25	1
76	FLJ45-76	Wiper*		1
77	FLJ45-77	Pin	φ2x15	1
78	FLJ45-78	Guide		1
79	FLJ45-79	Positioner		1
80	TS-1540041	Hex Nut	M6	1
	FLJ45-RK	Repair Kit (40 (2), 41 (2), 51 (2), 52, 60, 63, 65, 67, 71, 74, 75, 76)		
	FLJ45-CA	Cylinder Assembly		

\* Included in the repair kit



## TEST CERTIFICATE

COMMODITY	Forklift Jack
MODEL	FLJ-45
SERIAL NO.	
CAPACITY	Scissors Capacity 8,000 lbs. Post Capacity 10,000 lbs.
TEST LOAD	lbs
DATE OF INSPECTION	
JUDGEMENT	<b>PASSED</b>
INSPECTOR	

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