

OWNER'S MANUAL JSJ-2-1/4C Service Jack



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 form 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 MECHANTABILITY AND FITNESS ARE 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.

⚠ 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 needs service, contact your local JET distributor for the location of the closest JET Service Station.
- 7. Use only factory replacement parts when replacement of parts is necessary.
- 8. Failure to comply with all of these warnings may result in loss of load, damage to jack, and/or failure resulting in personal injury or property damage.

Specifications: JSJ-2-1/4C

Stock Number	454228
Rated Capacity	
Minimum Height	5-1/8"
Maximum Height	
Saddle	5-3/4"
Overall Length	
Overall Width	
Handle Length	41"
Net Weight (approx.)	84-1/2 lb.
Shipping Weight (approx.)	88 lb.

Assembly

Note: For parts identification, refer to parts list.

- 1. Insert upper handle (36) into lower handle (35) and fasten with hex cap bolt (37).
- 2. Remove handle bolt (33) and spacer (34).
- 3. Insert handle assembly into handle socket (38). Make sure handle assembly engages gear shaft (27) by turning handle back and forth and observing movement of handle socket gear (30).
- 4. Install handle bolt (33) and spacer (34) to secure handle assembly.

Lubrication

Note: Before initial operation, lubricate the jack as indicated in Fig. 1.

- 1. Handle use 30W oil on release valve gears below handle and lightly grease handle at point where it fits into socket with #2 tube grease.
- 2. Wheels use 30W oil on axles and caster bearings.
- 3. Lifting Arm inject #2 tube grease into tube fitting.
- 4. Saddle and Linkage use 30W oil on all moving and pivoting parts.
- 5. Handle Socket Pivot Bolts lubricate with 30W oil.
- 6. Plunger and Plunger Pin Use #2 tube grease to lubricate connection between pump plunger and pin in handle socket.

Lubrication Points

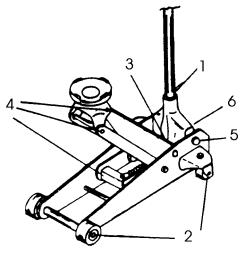


Figure 1

Operating Instructions

Important: Sometimes during shipment and handling, air gets into the hydraulic system, causing poor lifting performance. Before initial operation, purge any air from the system by fully opening release (turn handle counter-clockwise). Then, while holding the saddle down, pump handle rapidly several times.

Raising the Jack

- 1. Turn handle clockwise until resistance is felt to close release valve. Do not over tighten.
- 2. Place jack directly under object to be lifted. Make sure saddle takes up weight firmly and centrally. Check positioning under slight load to confirm jack or load will not slip.
- 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

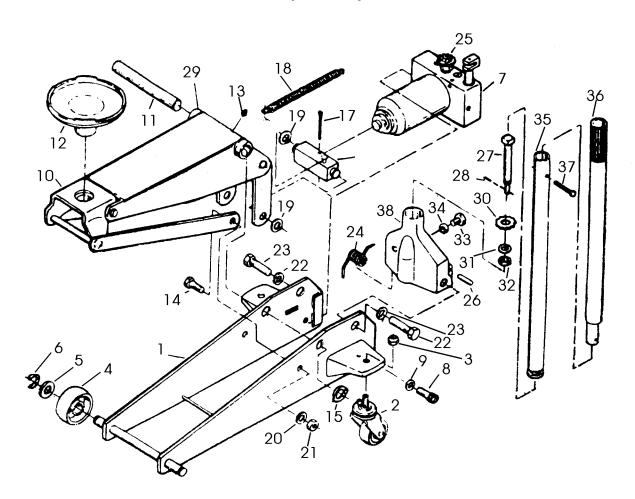
 Slowly turn handle counter-clockwise. Speed of descent is controlled by amount release valve is turned.

Always store jack in the fully lowered position.

Troubleshooting

If jack fails to raise to its height limit, fill with just enough good quality hydraulic jack fluid so that jack raises to its height limit.

Main Body Assembly

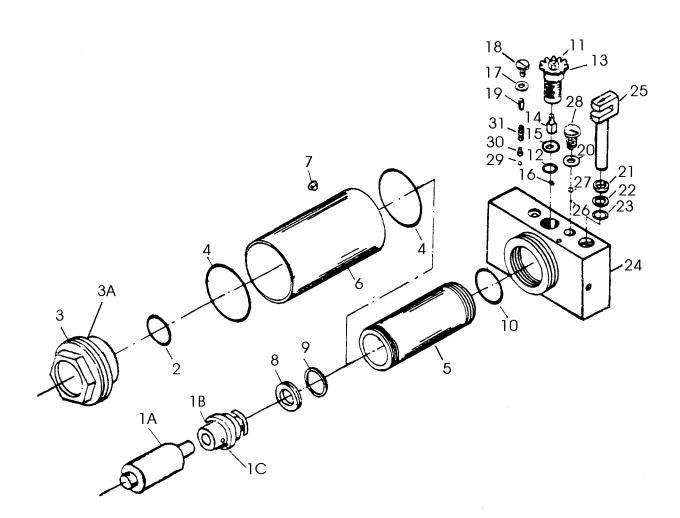


Main Body Assembly

Index			
No.	No.	Description	Qty.
1	. 00400	.Side Plate	2
2	. 00500	.Caster Assembly *	2
3	. 00816	.Lock Nut	2
4	. 00012	.Wheel *	2
5	. 00801	.Washer	2
6	. 00802	.Retaining Ring *	2
7	. 00300	.Power Unit Assembly	1
		.Screw	
		.Lock Washer	
		.Linkage Assembly	
		.Shaft Arm	
		.Saddle *	
		.Grease Fitting	
14		.Bolt Link	2
15	. 00806	.Retaining Ring	1
		.Ram	
		.Pin	
		.Return Spring *	
		.Retaining Ring	
		.Lock Washer	
		.Hex Nut	
		.Lock Washer	
		.Bolt	
		.Torsion Spring *	
		.Release Valve Assembly	
		.Plunger Pin	
		.Gear Shaft	
		.Pin	
29	. 00700	.Lifting Arm Assembly	1
30	. 00209	.Release Valve Gear *	1
-		.Lock Washer	
		.Hex Nut	
33	. 00204	.Handle Bolt	1
		.Spacer	
35	. 00100	.Handle (lower) *	1
		.Handle (upper) *	
		.Screw *	
38	. 00200	.Handle Socket	1

^{*} indicates normal stocked part. Other parts may be purchased on a special order basis only. Contact JET Equipment & Tools (1-800-274-6848) for details.

Power Unit Assembly



Power Unit Assembly

Index Part		
No. No.	Description Qt	ty.
1A 000301A-1	Ram Rod	. 1
	Ram Head	
	Ram Head Pin	
	O-Ring	
	Tank Nut	
	O-Ring	
	Cylinder	
	Reservoir	
7 000306	Oil Fill Plug	1
8 000307	O-Ring Retainer	1
9 000314	O-Ring	1
10 000324	O-Ring	1
11 000309	Gear Retaining Nut	1
12 000321	O-Ring	1
13 000310	Release Valve Assembly *	1
14 000311	Actuator	1
15 000312	Guide Plate	1
16 000322	Ball	1
	Seal Washer	
18 000313	Plug Screw	1
19 000319	Overload Valve Screw	1
20 000325	Washer	1
21 000326	Wiper	1
	Back-Up Ring	
	O-Ring	
	Valve Block	
	Plunger	
	Ball	
	Ball	
	Plug Screw	
	Ball	
	Plunger	
	Spring	
JSJ214C-RK	Repair Kit (not shown) *	1

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