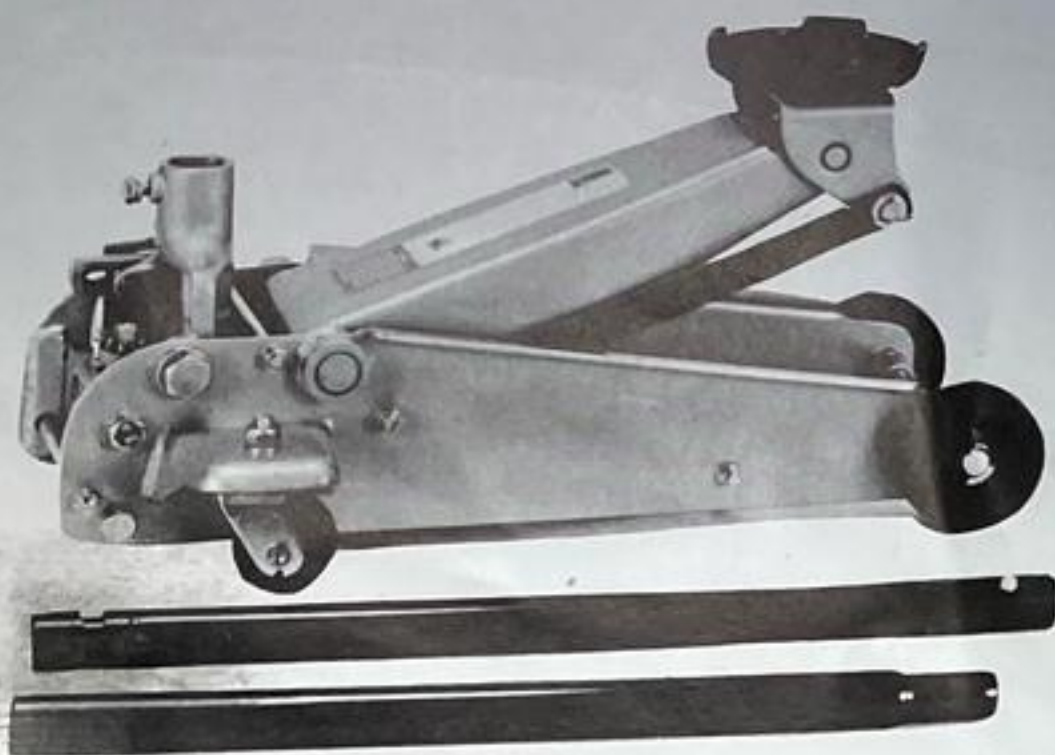




2 1/4 TON HYDRAULIC GARAGE JACK OWNER'S MANUAL

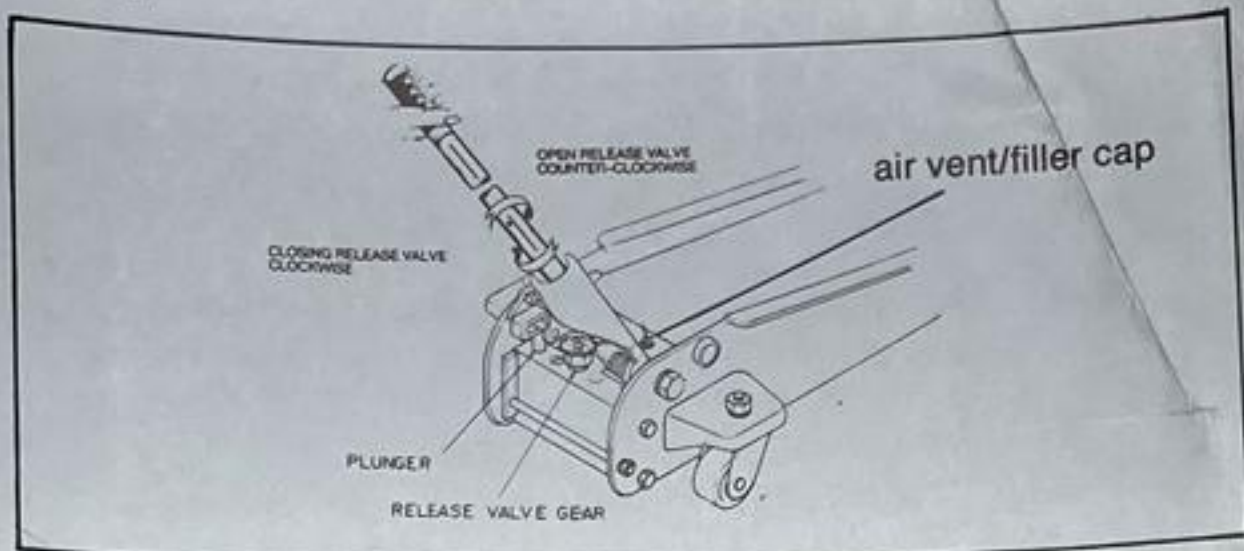


G-489S

**FAMILIARIZE YOURSELF THOROUGHLY WITH THIS
MANUAL BEFORE USE, TO PREVENT DAMAGE TO JACK
AND PROPERTY AND AVOID PERSONAL INJURY.**

BEFORE USE

1. Assemble the two-piece handle by lining up pin on lower section with slot on upper knurled section.
2. Insert handle into handle fork, and tighten handle set screw.
3. To prevent fluid spillage during shipment, the air vent/filler cap is closed at the factory. Remove air vent/filler cap. If oil spillage is noted, check oil level then retighten the screw after checking. (See maintenance section.)
4. Check to see that release valve gear is opened, then pump couple full strokes to purge air from system and evenly distribute fluid.

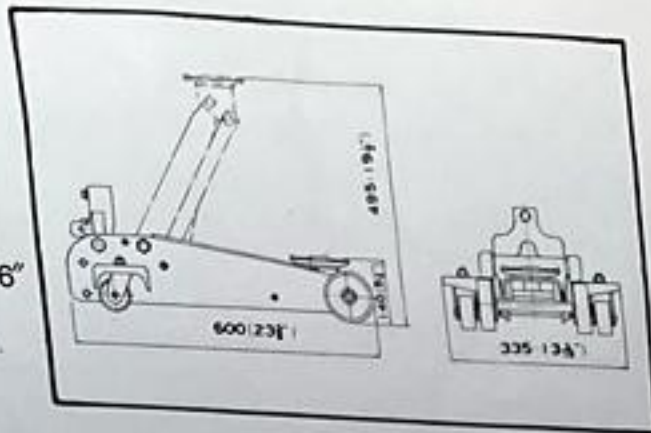


CAUTION

- USE ONLY ON A FIRM, LEVEL SURFACE.
- DO NOT EXCEED THE RATED CAPACITY OF THIS JACK.
- THIS IS A LIFTING DEVICE ONLY.....DO NOT WORK UNDER THE VEHICLE WITHOUT PROPER SUPPORT DEVICES.
- MAKE SURE THAT LIFT POINT IS STABLE AND PROPERLY CENTERED ON JACK SADDLE.
- FAMILIARIZE YOURSELF THOROUGHLY WITH THIS MANUAL BEFORE OPERATING TO PREVENT DAMAGE TO JACK AND PROPERTY OR PERSONAL INJURY.

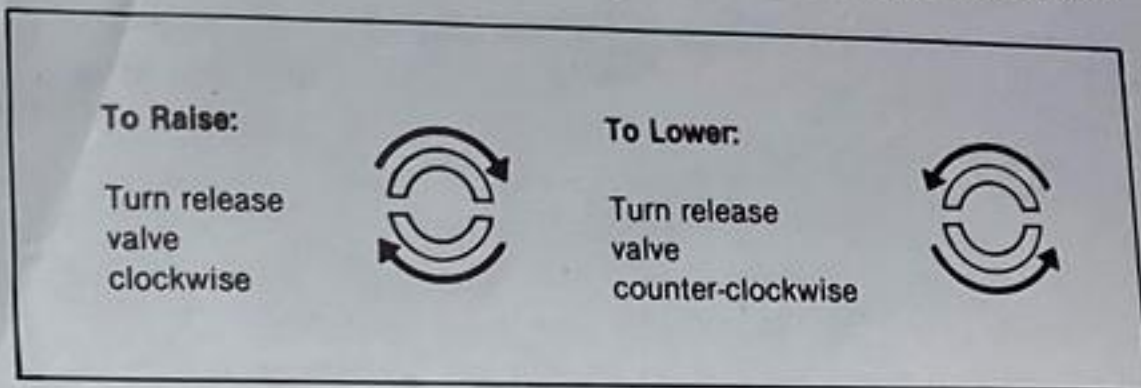
SPECIFICATIONS

Capacity: 2-1/4TON
Lifting Range: 5-19-1/2"
Oil Capacity: 160cc
Jack's Size: 23-5/8" x13-3/16" x9-3/16"
Operating Force: 88lbs
Unit Weight: 69lbs

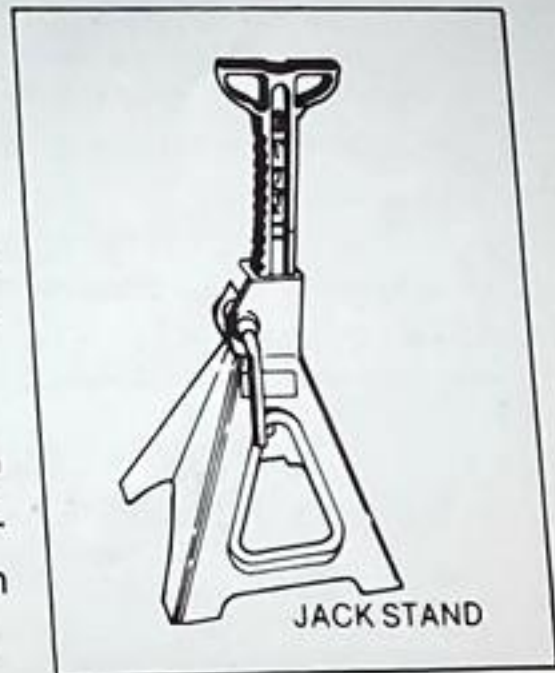


OPERATING INSTRUCTIONS

1. Set release valve to lift position by inserting handle to handle sleeve. Tighten release valve gear by turning handle in a clockwise direction.



2. Position jack under load so that saddle will contact with load firmly and is centered so it cannot slip.
3. To raise load, tighten release valve and pump up and down fully.
4. Transfer to Jack Stand if load is to be held up for an extension period.
5. To lower load, loose release valve gear by turning handle very SLOWLY in a counterclockwise direction (But never more than 3 full turns).



2. Proper Positioning

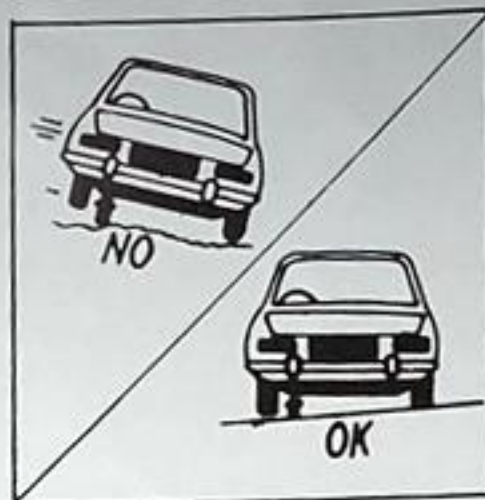
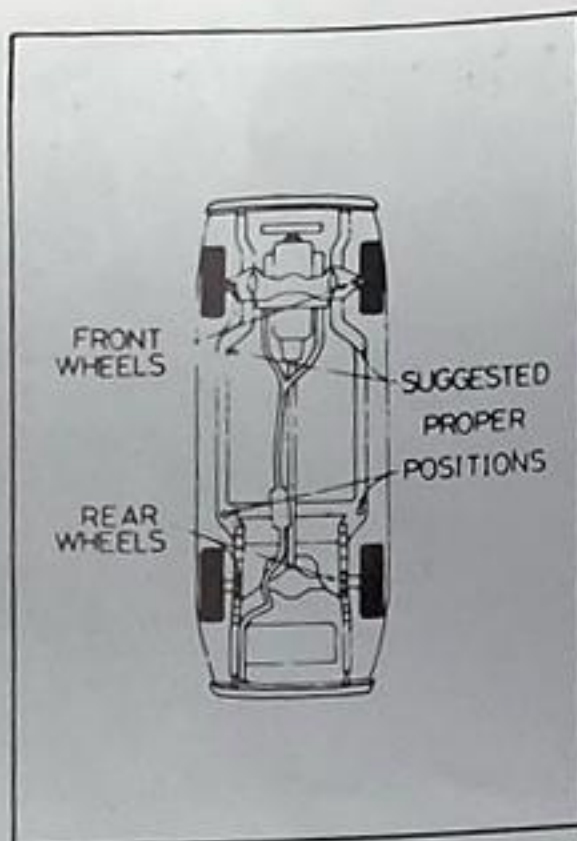
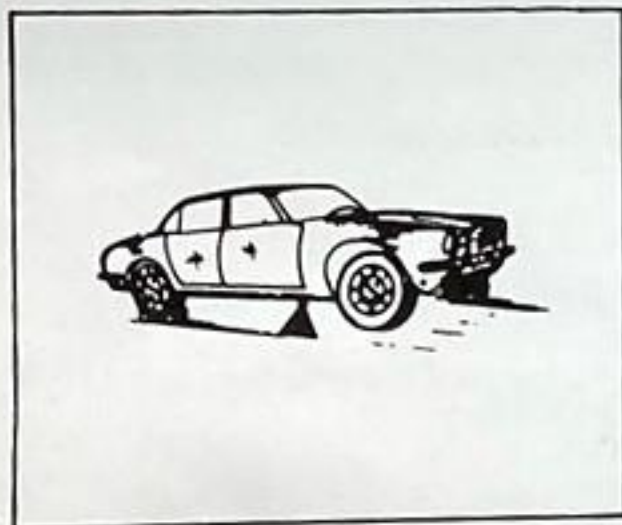
The jack should be positioned under proper lift points (Normally under the suspension near appropriate front or rear wheel). Since these points may vary with each vehicle, it is important to consult the right drawing for proper positioning.

3. Read Instructions

For most efficient operation, please read carefully these rules and instructions in this manual before using your jack.

4. TERRAIN CHOOSING

Any jack should be operated on as hard and level terrain surfaces as your location will permit. Your vehicle should be safety off the road with emergency lights on.



5. WORKING UNDER THE VEHICLE.....

It is extremely important, if you must work under the vehicle, be sure to use a pair of jack stand or other secure method to support the vehicle.

DON'TS!

1. Don't operate your jack with passengers in vehicle or leaning against it.
2. Don't operate your jack on soft or uneven terrain, steep inclines or hills.
3. Don't work under the vehicle without support of jack stands or other secure devices.
4. Don't exceed jack's rated lifting capacity.

TROUBLE SHOOTING (Jack used within rated capacity)

TROUBLE SYMPTOMS	POSSIBLE CAUSE & REMEDY
Jack will not lift load.	1) The release valve gear is not tightly closed. – Turn the valve clockwise tightly. 2) The oil level is too low. – Refill the hydraulic jack oil to the correct level level of 1/8" above the cylinder when the lifting arm is at full down position.
Jack will not hold load.	3) Same as 1) 4) The hydraulic system stuck by dirt. – Close the release valve gear and open the air vent valve, place one foot on a front wheel and pull up the lifting arm to its full height by hand. Then, lower the lifting arm and try jacking again.
Jack will not lift to its full height	5) Same as 2) 6) The hydraulic system filled with air. – Open the air vent valve and purge air out from the system.
Jack will not lower completely	7) Same as 4) 8) The return spring was fatigue or unhooked. – Periodically clean and lubricate all moving parts of the lifting mechanism or replace a new return spring.
Jack will not lift smoothly	9) Same as 6)
Jack handle raised under load	10) Same as 4)

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Printed in Taiwan

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