



SUPER HEAVY DUTY

**STRONGARM**<sup>®</sup>

PROD NO. 030472, 030473  
MOD NO. 830SHD, 860SHD

# Single Stage Air / Hydraulic Service Jack Super Heavy Duty *Manual*



## **WARNING:**

Important: read these instructions and all warnings prior to using this equipment. Understand all operating procedures, safety warnings and maintenance requirements. Failure to do so could cause an accident resulting in serious or fatal injury and/or personal property damage.



## WARNING!

The use of shop equipment is subject to certain hazards that cannot be prevented by mechanical means, but only by exercise of intelligence, care, and common sense. It is therefore essential to have personnel involved in the use and operation of equipment who are careful, competent, trained, and qualified in the safe operation of this equipment and its proper use. Examples of hazards are dropping, tipping, or slipping of parts/components caused primarily by improperly securing loads, overloading, off-centered loads, use on other than hard level surfaces, and using equipment for a purpose for which it was not designed.

The owner and / or operator shall study and understand the product and safety instructions before operating this equipment. Safety information shall be emphasized and understood. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser / owner or his designee, making sure that the operator comprehends their contents. **A copy of these instructions / warnings shall be retained for future reference.**



## SAFETY INSTRUCTIONS

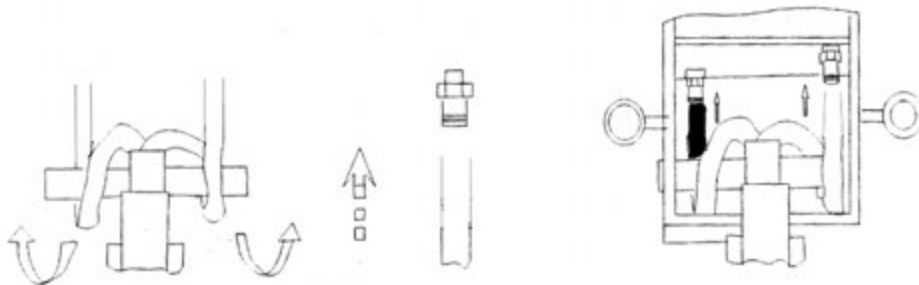
- Study, understand, and follow all instructions before operating this device.
- When using various shop equipment, basic safety precautions should always be followed.
- Keep work area clean and free from debris.
- Inspect the jack prior to each use, remove from service if it is leaking, damaged, excessively worn, or has been altered in any way.
- Keep children away from work area and shop equipment. Keep hands and feet from loading area.
- Do not exceed rated capacity.
- Use only on a hard level surface.
- For lifting purposes only. Immediately after lifting, support the vehicle with appropriate means.
- Lift only areas of the vehicle specified by the vehicle manufacturer.
- Do not move or dolly the vehicle while on the jack.
- Chock vehicle to prevent movement.
- Centre load on saddle, off-centre loads may cause jack failure and / or loss of load.
- Only attachments and / or adapters supplied by the manufacturer shall be used.
- Ensure the user is familiar with the controls and operational characteristics of this product and aware of the potential hazards associated with its use.
- No alterations shall be made to this product.
- Failure to heed these instructions may result in personal injury and/or property damage.

## INSPECTION

Visual inspection shall be made before each use of this equipment, checking for abnormal conditions, such as cracked welds, leaks, damaged, loose or missing parts. This equipment shall be removed immediately from service if it is believed to have been subjected to an abnormal or shock load. The equipment shall then be inspected by a qualified repair facility. Owners and / or operators should be aware that repair of this equipment may require specialized knowledge and facilities. It is recommended that this equipment be inspected annually by a qualified repair facility. Defective parts, decals, safety labels or signs should be replaced with Strongarm specified parts.

## ASSEMBLY

- 1) Using caution (2 people are recommended), remove the jack and handle from its packaging
- 2) Remove the handle axle from the jack and install handle securing axle with circlip.  
NOTE: It is easiest to install the handle and air hoses with the jack raised off the floor and set securely on a bench - use caution when doing so as the weight of the handle when attached will cause the jack to lift. Insert axle portion of handle up through the opening of the underside, rear portion of the jack.
- 3) Using the diagram below, insert the clear coloured (lowering) hose to the upper right fitting in the rear of the oil reservoir and the orange coloured (raising) hose to the lower left fitting in the rear of the oil reservoir. Push in the hose as far as it will go in order to engage the coupler, pull on the hose once inserted to ensure a secure fitting.

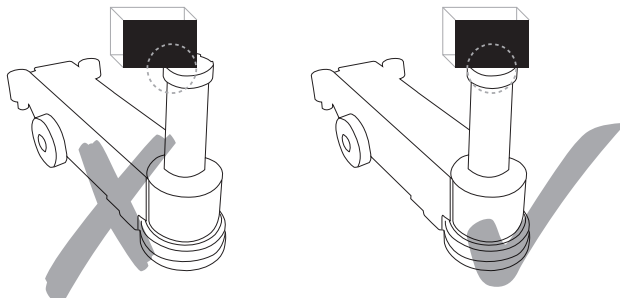




## DIRECTIONS FOR USE

### Lifting

- 1) Attach air supply hose to fitting in handle control valve (116-145 PSI / 14 cfm).
- 2) Position the jack in accordance with the vehicle manufacturer's instructions.  
Centre load on saddle.



- 3) Rotate control valve clockwise and hold to raise the piston, release control valve when desired height is reached.
- 4) **WARNING:** During lifting, ensure load and jack remain stable. If either appear to be unstable, stop lifting load and reposition jack.
- 5) **IMMEDIATELY** after reaching desired height, secure load with appropriately rated safety stands (refer to vehicle manufacturer's recommended positioning).

### Lowering

- 1) Ensure air supply line is connected and air compressor is turned on, raise the load enough to remove safety stands.
- 2) **WARNING:** Ensure load does not shift or become unstable when lifting. If load is unstable, slowly lower load back on to the safety stands. Correct instability and try again.
- 3) Carefully remove the safety stands.
- 4) Turn the control valve counterclockwise just enough to allow controlled descent.  
Lower load slowly.
- 5) Once fully lowered, release control and remove jack.

### CAUTION:

**Heavier loads will lower very quickly, use extra caution when turning the release valve to lower the load.**