

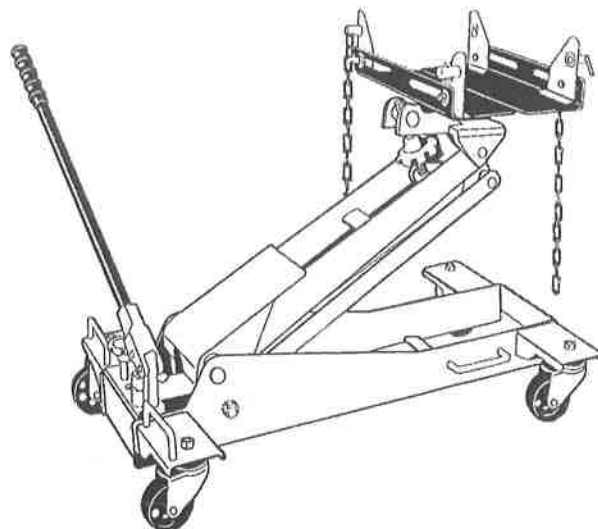
### 1-1/2 TON HYDRAULIC TRANSMISSION JACK

#### Safety Precautions



**WARNING: To prevent personal injury,**

- Read and understand all warnings and operating instructions. If the operator cannot read English, operating instructions and safety precautions must be read and discussed in the operator's native language.
- Tested to ANSI safety and performance requirements. Please retain these instructions for future reference.
- The vehicle should be properly supported before starting repairs.
- The use of this Jack with recommended adaptors should be limited to the removal, installation and transportation of the transmission in the lowered position.
- DO NOT overload the Jack beyond its rated capacity.
- Always use the chains to secure load on saddle.
- Use Jack only on hard, level surfaces capable of sustaining the load.
- Make sure weight is evenly distributed.
- Owner and/or operator shall have an understanding of all operating instructions and warnings before operating the Jack.
- Failure to heed these warnings may result in personal injury and/or property damage.
- This Jack is designed for transmission and installation of automobile and light truck component parts. The Instructions must be carried out conscientiously in order to operate the Jack safely and properly.



#### Operating Instructions

**1. Exhausting:**

During shipment and handling, especially after a long storage, air probably gets into the hydraulic system, causing poor lifting performance. So exhaust any air from the system before use.

- a) Close release valve (turn knob clockwise). Loosen the air vent plug on the reservoir, then operate the handle until the empty saddle gets to the highest position.
- b) Open the release valve (turn knob counterclockwise). While holding the empty saddle down, operate handle rapidly several times in order to exhaust the air in the system, then press air vent plug tightly.

**2. Lifting:**

- a) Turn the knob clockwise until release valve closes. Do not overtighten the valve.
- b) Place Jack center directly under object to be lifted. Operate handle up and down within an angle of 60°. The Jack can take up load immediately.  
While lifting very heavy objects, the angle to operate must be within the limits of 45° so as to avoid damaging parts with the rapid increase of the operating force. (Full 360° rotating pump handle operates in any position).

- c) After raising Jack to required height, use Jack stand to hold load.

**3. Transmission:**

- a) Secure load tightly on the saddle with chains.
- b) Turn the release valve knob counterclockwise in order to lower the load to a lower position (about at the midpoint of the whole lifting height).
- c) The four handlebars on Jack are used to move Jack in any direction on level solid surface.

**4. Saddle Adjusting:**

For safe and proper use, the saddle can be adjusted according to the load base size and angle degree.

- a) Loosen the four bolts on saddle, adjust the four retaining plate assemble parts to their proper position, then twist bolts tightly. The saddle side adjustment is within the limits as shown in the specifications.
- b) Adjust the two regulating bolts on the saddle, then the saddle can be side tilted within the limits as shown in the specifications. The two bolts must be adjusted simultaneously in order to let the saddle stay in required angle and not sway.

Turn the adjust handwheel under saddle. The saddle then can be tilted within the limits from forward to back as shown in the specifications.

**5. Lowering:**

Turn the knob counterclockwise until release valve opens. Saddle automatically lowers to its original position. Do not open release valve too fast, or saddle will go down quickly and do damage to load.

**6. Oiling:**

If Jack needs re-oiling, please follow the methods below:

Take out the air vent plug, inject machine hydraulic oil into the plug. At the same time operate the handle for 3-5 times in order to guarantee the inner hydraulic system is full of oil. When oil is on a level with the edge under the oil-filling hole, stop oiling and press the air vent plug tightly.

**7. Maintenance instruction:**

- a) Before operating the Jack, lubricate points (1)-(5) indicated in the diagram.  
Wheels: use light oil on axles and caster bearings.  
Saddle and linkage: use light oil on all moving and pivoting parts.  
Lifting arm: inject grease into moving parts.  
Handle: use light oil on moving parts.  
Linkage between handle and plunger: use grease to lubricate it.
- b) Check the hydraulic system: Every 4 months to make sure it is free from corrosion. If corrosion is present, clean the parts and remove rust, then re-oil according to the above mentioned oiling method.  
Always use good quality hydraulic Jack oil. Do not mix the type of oil. When filling with hydraulic oil do not permit dirt or any other substance to enter the hydraulic system.
- c) Always store the Jack with saddle full lowered and with release valve open.

# TRANSMISSION JACK

