

HOW TO LOCATE AND REMEDY TROUBLE

1. If jack will Not Raise Or Lift Load.

Before attempting to locate specific trouble, inspect oil level in the following manner: Place jack on level position. Open release valve. Correct oil level is at bottom of thread inside lift Chamber when lifting arm is at full down position. If lacking oil, remove vent plug located under cover plate fill with oil to correct level and install and tighten plug. Close release valve and pull lifting arm up to its full height. Then open release valve and by stepping on saddle force it to tower as rapidly as possible. Repeat this operation three or four times. This procedure will thoroughly flush the valves and assure complete distribution of oil. In most cases it will restore the jack to proper working order. Close release valve lightly. Try jack under load. The jack may have air trapped in the system: Open release valve. Pump handle 6 full strokes. Close release valve and try jack again. Cup seal for pump may be worn: This will happen only after months of service. A new cup seal or a complete new piston can be purchased and easily installed. Release valve may be held open by dirt on seat. Flush by pulling lifting arm up and down several times when release valve is open. If necessary, the release valve may be removed for cleaning the valve and the valve seat.

2. If jack will Not Lower Completely When Raised

Return spring for lifting arm may be broken or unhooked. Replace return spring. It probably needs lubrication. Clean and oil all moving parts in the lifting arm mechanism. Hydraulic unit may contain too much oil. Oil and vent valve may be closed. Open vent plug.

3. If jack will Not lift Full 2 Tons Capacity

The cup seal for piston pump may be worn. The unit may have air trapped in the system. The overload valve is factory adjusted for the jack to lift 2 tons load and should not be altered. Examine jack for binding causing loss of load.

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HYDRAULIC FLOOR JACK INSTRUCTION MANUAL

95mm

95mm

1. APPLICATION

The jacks work in accordance with the hydraulic principle. Our jacks feature compactness, small body, light and weight portability, and are therefore widely used in mobile service, and is light to carry and easy to operate. They are useful tools for automobiles, etc.

The jacks are suitable only for vertical lifting jobs and can not be used where side or downward force is required. The range of ambient temperature at which the jacks can be used is from +45 °C to -20 °C, and they should not be used in places where acid, alkali or other corrosive gases exist.

2. OPERATING INSTRUCTION

a. Before operating estimate the weight of the work and over-loading of the jacks never be allowed.

b. Next determine the centre of gravity of the object, choose the most proper position where the jack sustains it and make it stand steadily. Besides, take the condition of the ground into account. If necessary put a solid plank under the jack for fear that it should tilt over or even fall down.

c. Before operating the jacks, first insert the notched end of the handle into the release valve and tighten the release valve by turning it clockwise.

d. Insert operating handle into the socket and

the ram is steadily raised by the up-and-down movement of the handle and a work is thus raised. It is so designed that the ram will stop rising when the required height is reached.

e. Lower the ram by turning the release valve counter-clockwise with the notched end of the handle. Slacken it slowly when a load is applied or accidents would occur.

f. If a number of jacks are used together, make them rise at the same speed and each of them bear the same weight or they will be in danger of falling down.

g. At an ambient temperature of above -5 °C. Use No. 10 machine oil (SYB 1104-62). At an ambient temperature of from -5 °C to -35 °C use special oil (SYB 1206-56) or watch oil (SYB 1207-56). Sufficient filtered hydraulic oil should be maintained in the jacks. Otherwise the rated height can not be reached.

h. Violent shocks must be avoided in the course of operation.

i. The oiling hole of a jack is installed in its outer casing. When the jack needs oiling, simply lay it sideways with the oiling hole upward and pull out the plug and then fill it with the working oil provided for.

3. ACCESSORIES

One operating handle for each jack.

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