

MANLEY DIVISION of  
AMERICAN CHAIN & CABLE COMPANY, INC., YORK, PA.

PARTS LIST and INSTRUCTIONS for No. 952-A Jack  
1-1/2 TON HYDRAULIC SERVICE JACK MODEL NO. P-780

UNPACKING. The Manley No. 952-A Hydraulic Service Jack is shipped completely assembled and filled with oil. Remove the stay wires. Lubricate wheels and all other moving parts. Jack is then ready for use.

HOW THE JACK OPERATES. TO RAISE - Turn the finger-tip control (at the end of handle) to the right or clockwise as far as it will go, then pump handle. TO LOWER - Turn control to left and rest plate will drop automatically. The lowering device is of the tapered seat type valve and lowering speed will be determined by the amount of opening given to this valve.

HANDLE of Jack can be put in either of two positions to pump. TO POSITION HANDLE - Pull on latch G (Fig. 1) under cross handle and lower handle until it catches in desired position. TO RAISE HANDLE - Pull up on latch G (Fig. 1) and raise handle out of the way.

ADJUSTMENTS. Very little adjustment is necessary with this Jack. If Jack will not stay in raised position and handle rises as Jack is lowering, seat at Valve A (Fig. 1) is leaking, or valve is held off its seat by some foreign matter. If Jack does not raise load Valve B (Fig. 1) is leaking, or held off its seat by some foreign matter. To inspect remove cover plate, take out valve plug and valves, clean valves and seats. Remove and clean strainer. To take out strainer, remove Plug C (Fig. 1) and take out wire strainer through hole in side frame and clean.

LOSS OF HANDLE STROKE. To check have handle in raised position, (have handle in either notch) if it slowly lowers under its own weight - intake valve B (Fig. 1) is leaking. Clean and reseat by tapping the intake valve slightly. Check and clean oil strainer.

NOTE: If oil and strainer are very dirty, oil box and strainer should be washed out with kerosene and refilled with clean oil.

TO SERVICE RAM PACKING. Remove pin D (Fig. 1) this pin is held in place by two nuts, after pin is removed raise bell crank out of the way giving ample room for inspection and replacement if necessary.

TO SERVICE OR REPLACE PUMP PACKING. Disconnect the operating cable and remove pins E see (Fig. 1) these pins are held in place by two nuts each. Then remove unit from frame, work can then be done on bench where entire unit can be inspected and valves cleaned, and oil box washed out.

PACKING - Should it be necessary to replace packing, proceed in the following manner: Remove packing nut or gland and remove packing with a packing hook or wire. Wipe off ram and clean out packing space. Put the new packing in place, one ring or chevron at a time, pressing each chevron firmly in place using a piece of wood to push or tamp

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MODEL No. P-780

Part No.	No. Req'd.	Description
PA-430	1	Steel Ball (Hardened) 3/8"
PA-678	4	Allen Pipe Plug 1/8"
PA-734	4	Steel Washer 25/32" I.D. x 1-1/4" O.D. x 1/8" thick
PA-736	1	Set Chevron Packing 1-3/4" I.D. 5-Solid Rings with Bottom Adapter Ring
PA-737	1	Set Chevron Packing 5/8" I.D. 4-Solid Rings with Bottom Adapter Ring
PA-738	1	Set of Packing 2-Rings 3/8" I.D. x 5/8" O.D. x 1/4" thick
PA-739	1	Allen Pipe Plug 3/4"
3638	4	Pin 3/16" dia. x 1-5/8" long
7510	1	Valve Plug 11/16" dia. x 17/32" long
X-7519	1	Safety Valve Unit Complete
7522	1	Valve Gasket 11/16" O.D. x 1/2" I.D. x 3/64" thick
7759	1	Rest Plate
7760	1	Bell Crank
7762	1	R. H. Side Frame
7763	1	L. H. Side Frame
7771	1	Cylinder
7772	1	Oil Box Lid
7775	4	Wheels
7802	1	Release Valve Stem 3/8" dia. x 3-5/32" long
7803	2	Drag Link 5/16" x 1-1/4" x 15-5/8" long
7804	2	Drag Link Pin 7/8" dia. x 1-5/16" long
7805	1	Ram 1-3/4" dia. x 4-11/16" long
7806	1	Discharge Valve Stop 1/4" Sq. x 5/8" long
7810	1	Packing Nut 3/4" Hex. x 9/16" long
7811	2	Axle 3/4" dia. x 9-13/16" long
7813	3	Stud 7/8" dia. x 7-1/2" long
7814	1	Pin 7/8" dia. x 4-1/4" long
7815	1	Oil Screen
7816	1	Pin 5/8" dia. x 4-15/16" long
7817	1	Pin 5/8" dia. x 4-1/16" long
7819	1	Pin 7/16" dia. x 2-11/32" long
7820	1	Packing Nut
7821	1	Oil Box Gasket
7822	1	Release Stop
7823	1	Bell Crank Roller 1-1/4" dia. x 1-7/8" long
7826	1	Pump Plunger 1" dia. x 3-7/8" long
7827	1	Top Packing Ring
7829	1	Packing Nut 1-1/4" dia. x 9/16" long
X-7846	1	Cylinder Unit Complete
8112	2	Caster Screws
X-8181	1	Intake Valve
8357	1	Release Valve 1/4" dia. x 11/16" long
8414	2	Handle Studs 3/4" dia. x 1-3/8" long
8415	2	Lock Nuts
8416	1	Positioning Rod 1/4" dia. x 39-1/2" long
8418	1	Release Rod Finger Grip
8419	1	Positioning Pin 5/8" dia. x 2-7/8" long
8420	1	Handle Shaft 1" dia. x 6-1/2" long
X-8422	1	Tee Handle Unit
8423	1	Pump Yoke
8424	1	Handle Socket
8425	1	Tension Spring
X-8426	1	Release Rod Unit
8444	6	Special Nuts

All Nuts, Bolts, Rivets and Washers....  
(Must be ordered by Size and Threads)

