



H8076200-MAIN KIT
OBSOLETE

MODEL J-10

PUSH AND PULL HYDRAULIC JACK

(Formerly G.A.C. Model HC-700)

Capacity 10-Tons Push, 6¼ Tons Pull

TRACITY HYDRAULIC JACK SERVICE
 4028 NORTH FLORIDA AVENUE
 TAMPA, FLORIDA 33603
 813 236-8551

RAM UNIT PARTS (UR10) ~~H808000~~ OBSOLETE

ITEM NO.	OLD PART NO.	NEW PART NO.	DESCRIPTION	NO. REQ.	ITEM NO.	OLD PART NO.	NEW PART NO.	DESCRIPTION	NO. REQ.
1	U-1046	22555	Bottom Plug	1	13	U-1024	80176	Leather Ram Cup, set of 2	2
2	U-1081	80172	2½" Bott. Rub. Cup, U1049 Exp.	1	14	U-1020	22465	Ram Spacer (Brass)	1
3	U-1055	22585	Bottom Spreader Ring (Steel)	1	15	U-1022	22470	Bottom Ram Retainer	1
4	U-1013	80173	Ram Cylinder with stop ring	1	16	U-1085	80177	"O" Ring Seal for Ram	1
5	U-1071	22620	Top Spreader Ring (Steel)	1	17	¼-20x½	25465	Allen Set Screw	1
6	U-1034	80174	2½" Top Rub. Cup, U1063 Exp.	1	18	U-1015	22445	Ram only	1
7	U-1017	22460	Ram Packing Nut (Brass)	1	19	U-1047	22560	Threaded Head for Ram	1
8	U-1044	22540	Adapter Collar	1	20	U-1064	22615	Cross Pin for Threaded Head	1
9	U-1037-2	22510	Ram Cap	1	21	O-U-1015	80178	Ram assembled complete	1
10	UR-1048	23445	Hose Guard for Ram	1	22	U-10120-1	22420	6' Hose	2
11	U-1043	22535	Bott. Nut for Ram Cup	1	23	UP-10	UP-10	Complete Pump Unit	1
12	U-1056	80175	Steel Ram Cup Exp'der, set of 2	2	24	UR-10	UR-10	Complete Ram Unit	1

PUMP UNIT PARTS (UP10) H8077400

1	UP-1048	23420	Hose Guard for Pump	1	26	U-10106	22350	Steel Washer, 6x¼" Screw	1
2	U-10119	22410	¼" Coupling for Hose	2	27	U-4117	22930	Draw Tube	1
3	U-1010	22320	Pump Base only	1	28	U-1087	80186	Draw Rod with U-484 Ring	1
4	U-10107	22360	Copper Gasket for Res. Tube	1	29	5570-1	14290	Control Knob	1
5	U-1014	22435	Oil Reservoir Tube	1	30	U-418	23035	Packing Nut for Control Valve	1
6	U-1011	22395	End Cap for Reservoir	1	31	U-436	80167	Control Valve Packing, set of 2	2
7	U-492	23390	Draw Knob	1	32	U-419-1	80168	Driver Valve Stem, U470-1	1
8	¼x20x1	25455	Bolt for Control Cover	2				Screw	1
9	U-4115	22895	Gasket for Control Cover	1	33	U-4113-1	22880	Control Gear	2
10	U-4112	22865	Control Gear Cover	1	34	U-477-1	23305	Driven Valve Stem	1
11	U-438	23180	Filler Plug	1	35	U-480	23325	Valve Cage Assembly	2
12	U-1016	22450	Pump Piston only	1	36	125-D	3010	¾" Steel Ball	2
13	O-U-1016	80179	Pump Piston Assembly	1	37	U-4116	22915	Valve Cage Gasket	2
14	321-3	80162	Piston Pin with 389-B Pin Ring	1	38	25-A	80127	Pump Valves, per set	1 set
15	U-10109	22385	Steel Spreader for "V" Pkg.	1	39	U-488	23375	Pump Valve Plug	1
16	U-1035	80181	Piston "V" Pkg., set of 5	5	40	G-67-1A	80360	Safety Valve Complete	1
17	U-1042	22525	Piston Packing Nut	1	41	385	11520	Safety Valve Seal	1
18	U-412	22965	Handle Socket	1	42	½"	25370	Expansion Plug for Safety Valve	1
19	U-1052	80182	Handle Socket Links, set of 2	2	43	U-428-1	23080	Handle	1
20	321-4	80165	Link Pins with rings, set of 2	2	44	U-4122	22985	Packing Nut Wrench	1
21	U-4118	22945	Plug for Draw Tube	1	45	U-440	80169	Decal	1
22	U-10108	80184	Retainer for Cup Washer	1	46	U-10103	80359	Nameplate, 2-2x½" Screws	1
23	U-10104	80185	2½" Neoprene Spring	1	47	U-4121	80171	Oil Filler Funnel	1
24	U-10105	22340	Guide for Cup Washer	1	48	Quart	80123	Hydraulic Jack Oil	1
25	U-1076	22630	Oil Reservoir Spring	1					

USE NEW PART NUMBER ONLY WHEN ORDERING PARTS

REV. 7-1-68

Order parts from the nearest Hein-Werner Official Service Station. Always state both model and serial number.

USE ONLY GENUINE HEIN-WERNER HYDRAULIC JACK OIL IN ANY HEIN-WERNER JACK
 HEIN-WERNER CORPORATION PRINTED IN U.S.A. WAUKESHA, WISCONSIN — AJAX, ONTARIO

GENERAL CARE

Your Hein-Werner Push and Pull Jack is carefully designed and constructed of the best materials available. Long dependable performance is assured if the following simple rules are observed.

1. Always keep your jack clean.
2. Keep the ram fully retracted when not in use.

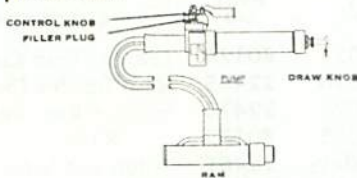
3. Center the load in any application. A bent or broken ram is a sure sign of undue sidestrain through misuse.
4. Always tighten attachments and extension tubes the full thread provided.
5. Refill only with Hein-Werner Hydraulic Jack oil.

FILLING INSTRUCTIONS

Any of the following conditions indicate your Hein-Werner Push and Pull Jack is low on oil:

1. Pump misses stroke or but partly fills.
2. Ram coasts or has jerky motion.
3. Ram does not travel full distance.

When adding oil it is essential to closely follow the below procedure.



1. Place pump in vise with filler plug up as shown in sketch. Place ram horizontally on floor with hose connections up. Be sure no part of hose is higher than filler hole.

2. Turn control knob to right (push position) and pump handle until pump misses stroke or but partly fills, then cease at once.
3. Unscrew and pull out draw knob and turn until it locks in end cap slot.
4. Remove filler plug, insert and fill funnel with Hein-Werner hydraulic Jack Oil.
5. Continue to pump ram to full extent, keeping funnel full at all times.
6. Reverse control valve and pump ram in. Air will bubble out through oil in funnel.
7. Again reverse control valve and pump ram out keeping funnel full of oil. Repeat steps 6 and 7 a total of three times each ending with ram in out position.
8. Replace filler plug. Pump ram in and release draw knob which should now move freely. Screw knob into end cap.

PISTON AND CONTROL VALVE ADJUSTMENT

Occasionally some oil leakage appears around the pump piston when "V" packings are new and stiff. This can be corrected by slightly tightening the packing nut using the wrench supplied with each new jack.

Worn pump piston packing can be detected by leakage of oil around the packing nut. To replace, first relieve oil pressure by pulling out and locking draw rod in end cap slot. Remove piston pin and packing nut. Draw out piston from cylinder and pick out old packings. Insert new packings starting with neoprene and alternating leather and neoprene. Take care when inserting so packing is not damaged by machined threads.

Be sure each packing is firmly down all the way.

HOSE... To replace a worn or damaged hose, first relieve jack pressure (See Refilling Instruction No. 3) Remove hose guards and hose. Install new hose after coating the connections with a sealing material. Refill the jack with Hein-Werner hydraulic jack oil as described above.

REPLACEABLE RAM THREADS... To replace the threaded head on the upper end of the ram, first punch out the cross pin. Remove head and turn new one down firmly. Drill new hole through head to meet cross pin hole in ram. Bend end of pin slightly and drive in securely.

Should the threads on the bottom of the ram be damaged, merely turn out the old plug with a pipe wrench and replace.

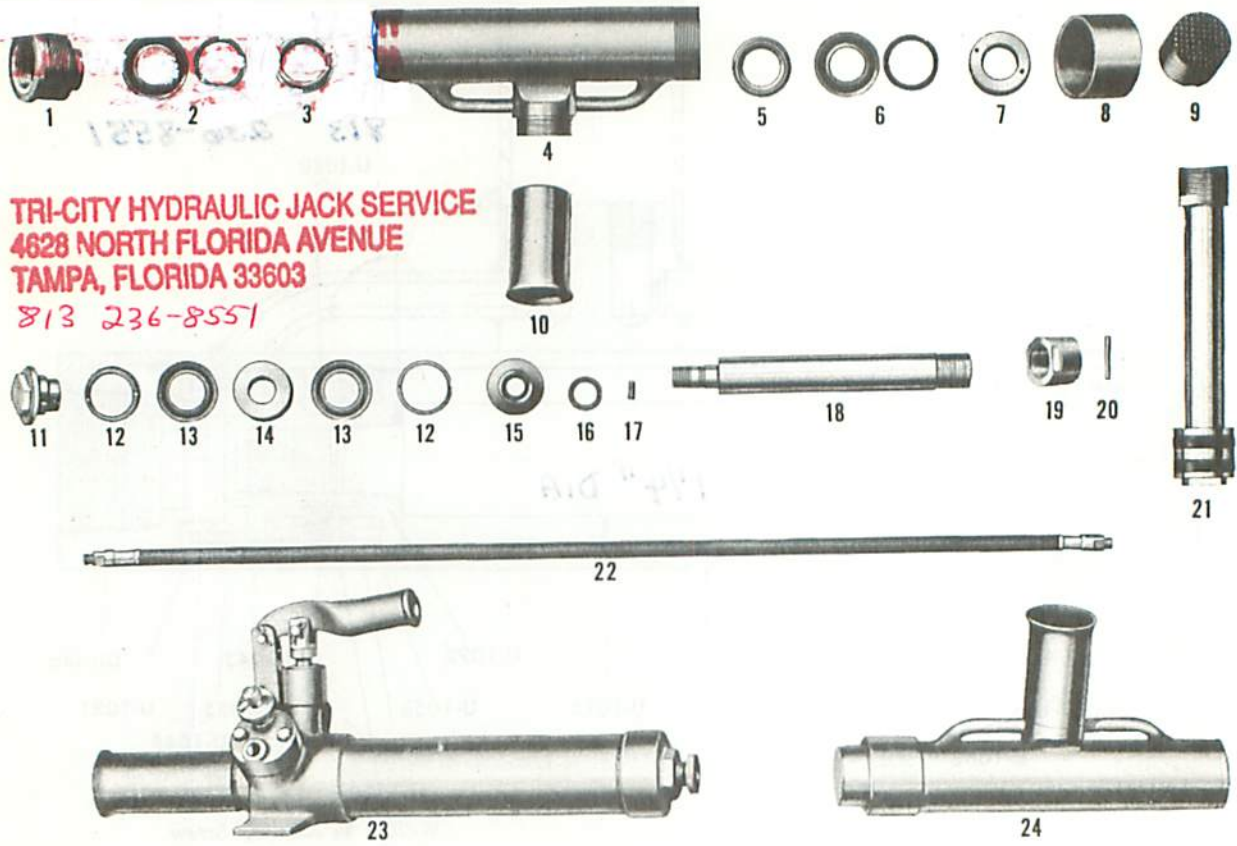
If the Control Valve cannot be closed by finger pressure the packing nut can be loosened slightly with the wrench supplied. Tighten the packing nut should oil leak at this point. Continued leakage after tightening means packings are worn.

To replace worn Control Valve packing first relieve oil pressure in reservoir (See Refilling Instruction No. 3). Remove set screw and control knob. Loosen the packing nut and slip nut and old neoprene packings out over end of valve stem. Install new packings and tighten packing nut to medium pressure. Follow refilling procedure to replace oil lost.

PUMP VALVES... To clean the pump valves, first pump ram to full extent. Pull out and lock draw rod to relieve jack pressure. Remove the large hex plug near bottom of pump casting slowly. Take out the balls and springs and inspect valve chamber for particles. Install balls and springs in proper order and add enough oil to replace amount lost before putting in the plug. If considerable oil is lost, follow the regular filling procedure.

SERVICE STATIONS... When general repairs including new cups and packings becomes necessary, ask your jobber or write us for the name of the nearest Hein-Werner Official Service Station where complete facilities are available to restore your Push and Pull jack to good working condition.

RAM UNIT PARTS UR10



PUMP UNIT PARTS ULP10

