



# MODEL F-4

## PUSHMASTER HYDRAULIC JACK

### REPAIR PARTS LIST AND SERVICE INSTRUCTIONS

#### Capacity 4-tons

Order by PART NUMBER—not the item number—and give complete name of part and model number of jack. Item numbers shown on parts photos are only for your convenience in locating the part on parts list.

Order repair parts direct from nearest Official Service Station.

#### RAM UNIT PARTS

ITEM NO.	OLD PART NO.	NEW PART NO.	DESCRIPTION	NO. REQ.	ITEM NO.	OLD PART NO.	NEW PART NO.	DESCRIPTION	NO. REQ.
1	F-446	16765	Bottom Plug	1	14	F-420	16735	Spacer	1
2	3/32"x3/8"	26675	Grooved Pin for Bottom Plug	1	15	U-434	23125	Ram Cup, F457 Backing	1
3	F-481	16790	Seal for Ram Cylinder	1				Washer	1
4	F-47	16785	Return Spring for Ram	1	16	F-463	16780	Retainer for Ram Cup	1
5	F-413	16710	Ram Cylinder	1	17	O-F-415-2	80203	Ram Assembly	1
6	F-462	16775	Ram Stop	1	18	FP-4	FP-4	Pump Unit complete w/hdle.	1
7	U-444	23215	Adapter Collar	1	19	FR-410	FR-410	Ram Unit complete	1
8	U-485	80158	"O" Ring for Threaded Head	1	20	F-4120	81023	6' Hose	1
9	F-447-2	16760	Thread Head for Ram w/"O" ring	1	21	FC-4H	80597	Hose Half-Quick Coupler	1
10	3/2"x1"	26815	Roll Pin for Thread Head	1	22	FC-4R	80588	Ram Half-Quick Coupler	1
11	U-437-1	23170	Ram Cap	1	23	FC-4	80599	Quick Coupler complete	1
12	F-402	80198	1/8" to 1/4" Adapter	1	24	F-485-1	16792	"O" Ring for Quick Coupler	1
13	F-415-2	17620	Ram only	1	25	F-401	16685	Plug for Quick Coupler	1

#### PUMP UNIT PARTS

1	F-410-1	16690	Pump Base only	1	16	U-442	23195	Piston Packing Nut	1
2	U-4107	22825	Copper Gasket for Res. Tube	1	17	389-B	12415	3/16" Pin Ring	2
3	F-414	16715	Reservoir Tube	1	18	U-4122	22985	Wrench for Piston Packing Nut	1
4	F-411	16695	End Cap for Res.	1	19	F-419	16730	Release Valve complete	1
5	F-488-1	16795	Adapter	1	20	118-A	1290	Packing Nut for Release Valve	1
6	F-412	16705	Handle Socket	1	21	161-B	6230	Washer for Release, set of 2	2
7	U-452	80164	Pump Links, set of 2	2	22	136-B	4335	Packing for Release, set of 2	2
8	121-1	1735	Link Pin, 389B Ring, set of 2	2	23	1/2"	25370	Expansion Plug for Safety Valve	1
9	138-A	80007	Filler Screw, 139-3 Washer	1					
10	389	12165	1/4" Pin Ring	1	24	25-A	80127	Pump Valves, per set	1 set
11	121-B	1725	Piston Pin, 389 Pin Ring	1	25	G-67-1A	80360	Safety Valves complete	1
12	F-416	16725	Piston only	1	26	F-440	80201	Decal	1
13	O-F-416	80199	Piston Assembly	1	27	F-428	80202	Handle, 228-R Grip	1
14	U-4109	22840	Spreader Ring for "V" Pkg.	1	28	228-R1	9330	Rubber Grip	1
15	U-435	80163	Piston "V" Pkg., set of 5	5	29	Quart	80123	Hydraulic Jack Oil	1

FORM 15-035

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.

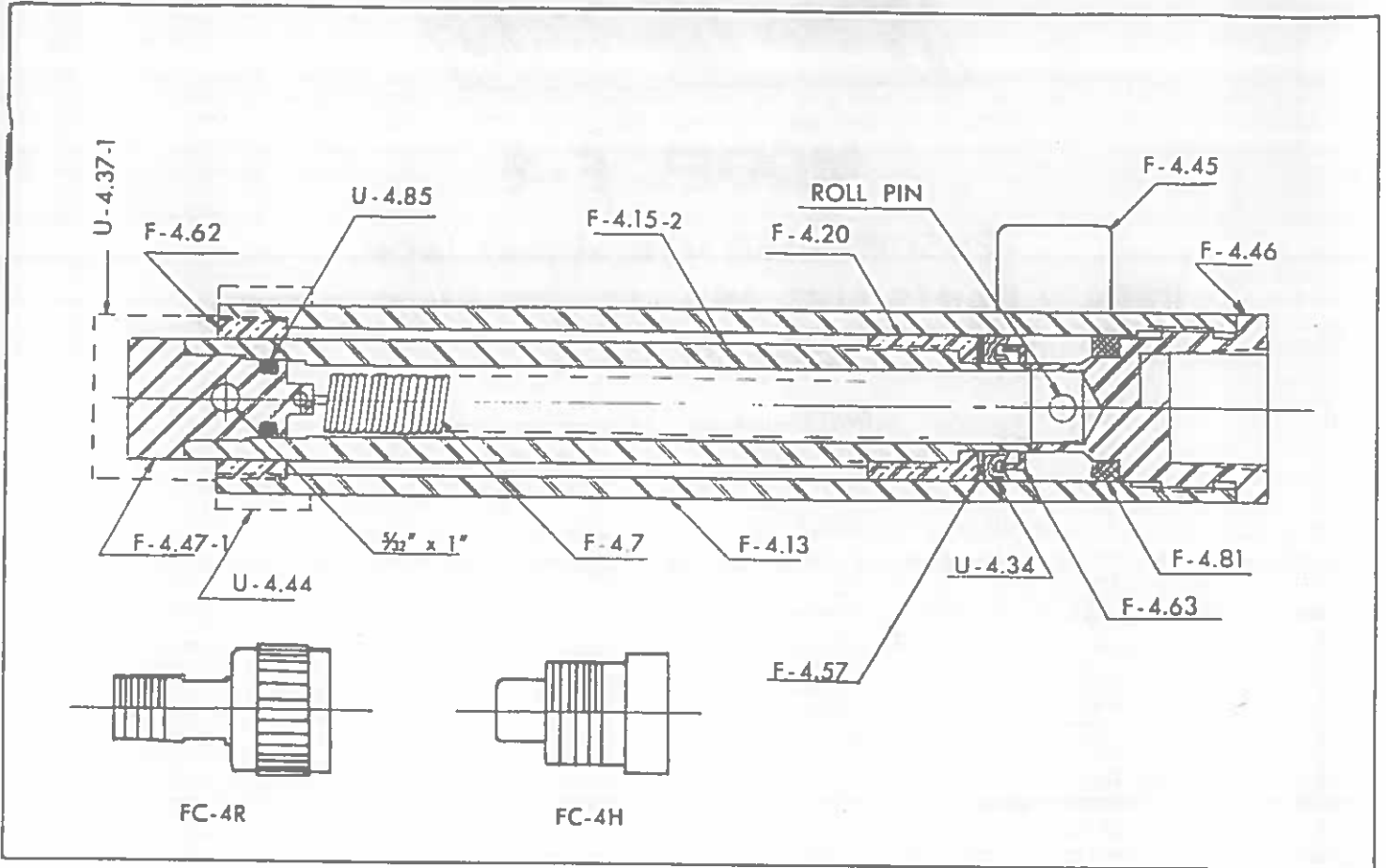
USE ONLY GENUINE HEIN-WERNER HYDRAULIC JACK OIL IN ANY HEIN-WERNER JACK

HEIN-WERNER CORPORATION

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WAUKESHA, WISCONSIN — AJAX, ONTARIO

# FR-410 RAM UNIT



# FP-4 PUMP UNIT

