



Hercules

Parts Manual

QXD-3

Gasoline Engines

For

Hough HF Payloaders

Parts Manual

JENSALES.COM
or Call 800-443-0625



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HE-P-QXD-3

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PARTS LIST

OF

HERCULES

QXD-3 GASOLINE ENGINES

FORM HQXD-4

FOR

HF PAYLOADERS

BY

JENSALES.COM

or Call 800-443-0625

THE FRANK G. HOUGH CO.

LIBERTYVILLE, ILLINOIS

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Each part pictured in this catalog is given an identification number which corresponds to the item number in the Parts List of the Group. These item numbers are given to identify the part number and name of the items wanted. Figures in the "Qty." column indicate the number of that part used in the group - not total for the engine. Do not order any parts by sets - always state quantity of each item needed.

Always give the following information on each repair parts order

1. The Part Number, Name and Quantity of items needed.
2. The Serial Number and Model Number of the Machine.
3. The Serial Number and Model Number of the Engine.
4. Give the Destination and Method of shipment along with any special invoicing instructions.

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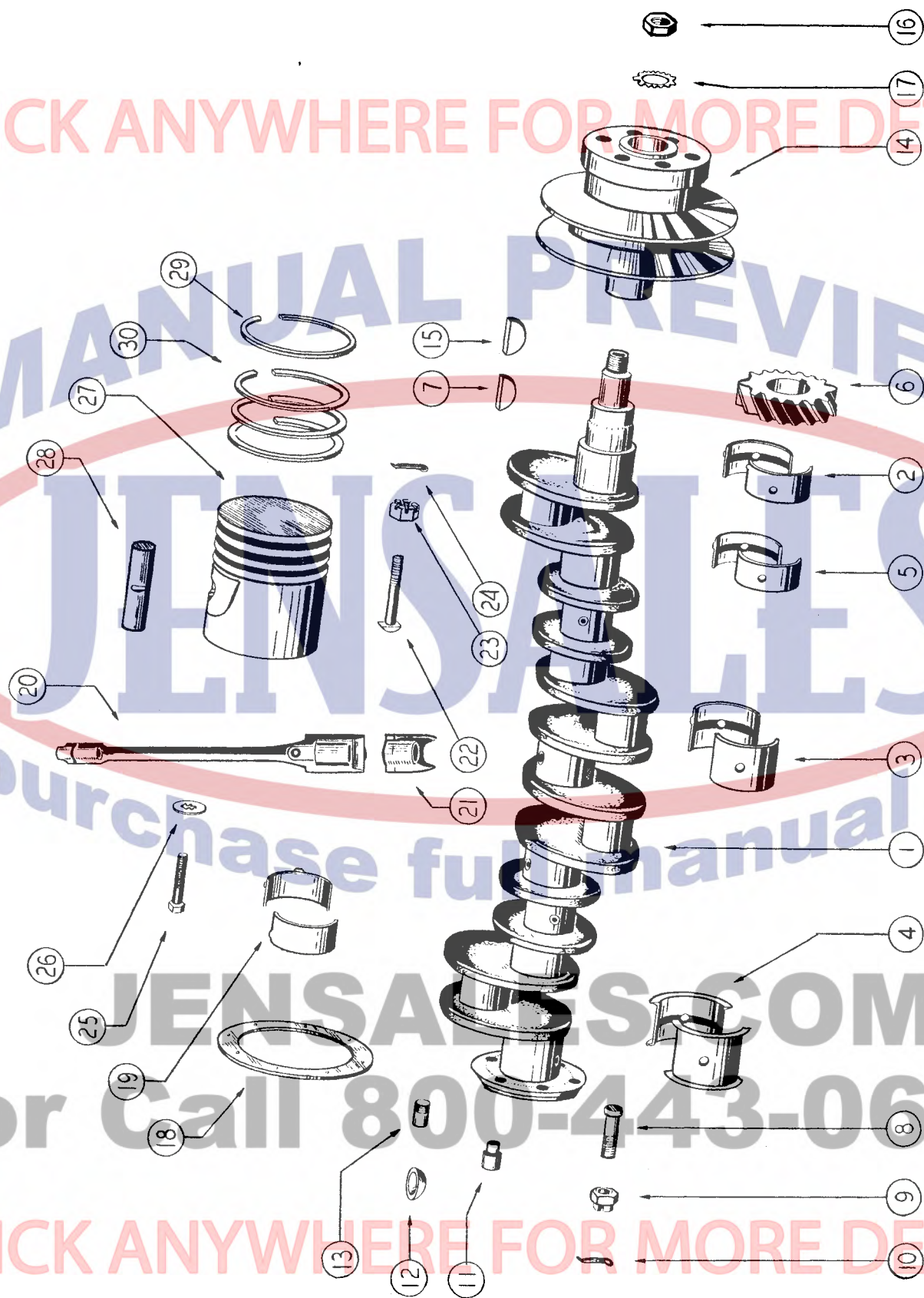


Fig. 1

CRANKSHAFT - PISTON - CONNECTING ROD - FAN PULLEY

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ITEM NO.	HERC. PART NO.	PART NAME	Qty.	First Used On Serial Numbers	
				FROM	THRU
1	46827-E	Crankshaft - for Thrust on rear Main Brg.	1		
1	47830-E	Crankshaft - for Thrust on Center Main Brg.	1		
		Machines with center Thrust have suffix "TC" marked behind serial number on engine block plate, engines with thrust on rear have not.			
	47107-AS	Main Bearing Assy. - Includes Items 2 thru 5			
2	45718-B	Bearing - Main (Front)	2		
3	47105-B	Bearing - Main (Center) use as rear Brg. on Machines with suffix "TC"	2		
4	46695-B	Bearing - Main (Rear) use as Center Bearing on Machines with suffix "TC"	2		
5	45722-B	Bearing - Main (Intermediate)	8		
6	47045-B	Gear - Crankshaft	1		
7	4413-A	Key, No. 61 Woodruff, Crankshaft Gear	1		
8	22104-A	Bolt - Crankshaft Flywheel	4		
9	1656-A	Nut - Crankshaft Flywheel Bolt.	4		
10	301-A	Cotter - Crankshaft Flywheel Bolt Nut.	4		
11	1707-A	Dowel - Crankshaft Flywheel	2		
12	665-A	Expansion Plug - Crankshaft Flywheel.	2		
13	4642-A	Dowel - Flywheel Locating.	1		
14	46880-B	Pulley - Fan Driving.	1		
15	4265-A	Key #15 Woodruff - Fan Pulley.	1		
16	1698-A	Nut - Starting Crank Grab.	1		
17	14734-A	Lockwasher.	1		
18	47108-AS	Seal - Bellhousing - see Bellhousing Group.			
		Connecting Rod Assembly with Brgs. - Includes Items 19 thru 26.	6		
19	47106-B	Bearing - Connecting Rod	12		
20		Rod - Connecting - order 47108-AS	6		
21		Cap - Connecting Rod - order 47108-AS	6		
22	46156-A	Bolt - Connecting Rod Cap.	12		
23	6331-A	Nut - Connecting Rod Cap Bolt.	12		
24	301-A	Cotter - Connecting Rod Cap Bolt Nut.	12		
25	46111-A	Lockscrew - Connecting Rod Piston Pin.	6		
26	14842-A	Lockwasher - Conn. Rod Piston Pin.	6		
	46356-AS	Piston & Pin Assy. - Includes Items 27 & 28 (One).	6		
	47136-AS	Piston & Pin Assy. (For Complete Engine).	6		
27	46257-C	Piston	6		
28	46022-B	Pin - Piston	6		
	48121-AS	Piston Ring Set - Includes Items 29 & 30	1		
29	3942-A	Ring - Oil Regulating (Bottom)	6		
30	47115-A	Ring - Compression (Top)	18		

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Fig. 2

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CAMSHAFT - VALVES - VALVES LIFTERS

ITEM NO.	HERC. PART NO.	PART NAME	Qty.	First Used On Serial Numbers	
				FROM	THRU
1	46814-D	Camshaft	1		
2	46049-B	Gear, Camshaft	1		
3	4265-A	Key, No. 91 Woodruff, Camshaft Gear	1		
4	46045-A	Washer, Camshaft Thrust	1		
5	40068-A	Plunger, Camshaft Thrust	1		
6	46041-A	Bearing, Camshaft Front & Rear.	2		
7	46044-A	Bearing, Camshaft Center	2		
8	47017-B	Valve, Intake	6		
9	47028-A	Valve, Exhaust	6		
10	76023-A	Spring, Valve	12		
11	46013-A	Seat, Valve Spring	12		
12	46011-A	Lock, Valve Spring Seat	24		
13	47018-A	Guide, Valve	12		
	38010-AS	Tappet Assembly, Valve (includes parts 14, 15 & 16) (used on Engines prior to Eng. S/N 2878231).	12		
	48030-AS	Tappet Assembly (Used on Eng. S/N 2878231 and up)	12		
14	27317-A	Tappet, Valve	12		
15	46019-A	Adjusting Screw, Valve Tappet	12		
16	14974-A	Nut, Valve Tappet Adjusting Screw	12		
17	46089-A	Guide, Valve Tappet	12		

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