



Hercules

Parts Manual

RXB & RXC

Parts Manual

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HE-P-RXB+C

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PARTS LIST

HERCULES

SIX CYLINDER ENGINE

of the

"RX" Series

Engine with serial numbers { 110,001 to 135,000
 { 2,000,001 to 2,100,000



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CANTON, OHIO, U. S. A.

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Group and Illustration Index

	Text Page		Text Page
A		I	
Air Cleaner	48	Idler Gear	15-16
Air Compressor Drive	42-43		
Attaching Parts for Governors	38	M	
B		Magneto Equipment	31
Battery Ignition Distributor		Main Bearings	6-7
Drive	17	Manifold	27-28-29-30-49-50
Bearings, Main	6-7	Manifold Extensions	28-31
Bellhousing	19-47		
Breather	15	O	
C		Oil Filtrator	40-41-42
Cable Tube	31	Oil Level Gauge	25
Camshaft	12	Oil Lines and Connections	26-27
Connecting Rod	10-11	Oil Pan	24-47
Controls	48-49	Oil Pressure Regulator	27
Crankshaft	9-10	Oil Pump and Drive	25-26
Cylinder and Crankcase	6-7-45		
Cylinder and Crankcase		P	
Accessories	8-9	Pistons	11-46
Cylinder Head	13-14-45-46	Push Rod	11
E		R	
Exhaust Companion Flange	30	Radiator	47
F		S	
Fan Assemblies	32	Safety Switches	51
Fan Belts	32	Starter Attaching Parts	31
Fan Driving Parts	17-18	Starting Crank	32-47
Flywheels	18-19		
Front Support	32	T	
Fuel Pump	31	Tachometer and Drive	44
G		Thermostat	50
Gasket Assembly	44	Tools	46
Gear Cover	14-15	V	
Generator Attaching		Valve	11
Equipment	31	W	
Governor Assembly		Water Outlet Manifold	31
.....	33-34-35-38-40	Water Outlet Pipe	31
Governor Drive Assembly	32-33	Water Pump	19-20-21-22-23
Governor Head Assembly	39-40	Water Pump Attaching Parts	23
Governor Lubricating Parts	38-39	Water Pump Coupling	23-24
H		Water Pump Drive	16-17
Heat Control	30		
Heat Regulator Valve	28		

INDEX FOR DIFFERENT MODELS

Internal parts not affected by bore changes are shown on Pages 6 to 44.

SPECIAL PARTS

Model "RXC" Pages 45-46 Power Unit Pages 47 to 51



Illustration Reference C

CYLINDER AND CRANKCASE ACCESSORIES

Part No.	No. Req.	PART NAME	Illustration Reference
8082-A	1	Drain cock ⅜"	CH
2534-A	1	Expansion plug (1¼") used on early engines only, replaced by 7165-A on later engines	CB
7165-A	1	Cylinder pipe plug 1"—top of block at center	CE
15187-A	1	Oil pump drive gear cover	CW
15188-A	7	Oil pump drive gear cover gasket	CV
1712-A	4	Oil pump drive gear cover screw	CU
312-A	4	Oil pump drive gear cover screw lockwasher	CT
2129-A	1	Filtrator or pressure regulator dowel	CF
15739-AS	1	Cylinder oil orifice—pipe in gear compartment	CL
4251-A	1	Cylinder oil orifice plug	
15133-A	1	Cylinder oil orifice gasket	CR
4243-A	2	Cylinder oil orifice screw (⅝"-18x¾" special head)	CS
4242-A	2	Cylinder oil orifice screw lockwasher	CQ
2534-A	2	Expansion plug	CB
16524-AS	1	Oil overflow pipe	CO
1536-A	1	Oil overflow pipe screw (¼"-20x⅝")	CP
628-A	1	Oil overflow pipe screw lockwasher ¼" S.A.E.	CK
60-A	2	Cylinder pipe plug ¼"—slotted head	CA
665-A	5	Cylinder expansion plug ⅝"	CC
565-A	4	Cylinder pipe plug ¾"—used on some engines only	
4746-A	2	Cylinder pipe plug 1"	CX
4879-A	1	Cylinder fuel pump hole plate	CN

Give Engine Number with Each Parts Order

CRANKSHAFT (Continued)

Part No.	No. Req.	PART NAME	Illustration Reference
14626-AS	1	Crankcase oil wick and sleeve assembly—includes parts marked *	DP
14626-A	1	*Crankcase oil wick	DR
14933-A	1	*Crankcase oil wick sleeve	DQ

CONNECTING ROD (Babbitted Type)

(Where possible replace with 17076AS)

16590-BSY	6	Connecting rod and cap assembly, babbitted and reamed (Above includes nuts and shims)	
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NOTE: A suitable allowance will be made for rod and cap returned, if in condition to be rebabbitted and reused, provided our invoice reference is given covering rod which replaced one returned.

7056-A	12	Connecting rod nut—special steel	EJ
1710-A	12	Connecting rod cotter (⅛"x1")	
1711-A	6	Connecting rod clamp screw (holds pins)	EH
267-A	6	Connecting rod clamp screw wire	
16554-A	36	Connecting rod shim .003"	EK
16555-A	As Req.	Connecting rod shim .002"	EK

CONNECTING ROD (Removable Shell Type)

17076-AS	6	Connecting rod and bearing assembly (Includes 1—16690-BSY and 2—17075-B)	
16690-BSY	6	Connecting rod assembly—Includes bolts, nuts and shims but not shells	EF
17697-AS	6	Connecting rod bearing pair assembly (Includes 2-17075-B)	CC
17698-AS	6	Connecting rod bearing and shim assembly (Includes 2-17075-B, 4-16692-A and 2-16693-A)	
17075-B	12	Connecting rod bearing shell—thin babbitt brass back—replaces 80099-B and 80112-B	EG
150091-B	12	Connecting rod bearing, F-77 type	
16692-A	As Req.	Connecting rod shim .002"—Used only on some engines	EK
16693-A	18	Connecting rod shim .003"—Used only on some engines	EK

Give Engine Number with Each Parts Order



Illustration Reference E



Illustration Reference F

CAMSHAFT

NOTE: The camshaft used as original equipment in "RX" engines up to engine number 120065 was part number 16563-D which had 1.978" O.D. 13 tooth gear for driving the oil pump; this gear meshes with the 16522-A 12 tooth oil pump drive gear. The 16563-D camshaft was replaced by the 16564-D camshaft which has a 1.698" O.D. 13 tooth gear for driving the oil pump and this gear meshes with the 13 tooth oil pump gear number 15131-A. The 16564-D camshaft was used on engines numbered up to 120256 and was then replaced by camshaft 16567-D which has same diameter oil pump drive gear but has no journals for center bearing. The 16567-DS camshaft will replace 16564-DS camshaft.

17993-AS	1	Camshaft and nut assembly (Includes parts marked *)	
16567-DS	1	*Camshaft and 14209-A Plunger—Used with oil pump drive gear 15131-A	FA
		(Will replace 16563-D by ordering oil pump gear 15131-A)	
16563-DS	1	Camshaft and plunger (Replaced by 16567-DS by ordering one 15131-A oil pump gear)	FA
15049-B	1	Camshaft gear—54 teeth	FE
4342-A	1	Camshaft gear thrust washer—replaces 2045-A	FN
1247-A	1	Camshaft gear key (No. 15 Woodruff)	
1698-A	1	*Camshaft gear nut	FL
11039-A	1	*Camshaft gear nut washer	FM
14209-A	1	Camshaft plunger	FF
17994-AS	1	Camshaft bearing assembly (Includes parts marked †)	
15043-B	1	†Camshaft bearing, front	FB
16543-A	1	†Camshaft bearing, rear	FD
16544-A	2	Camshaft bearing, center—Not used after engine number 120256	
15044-B	4	†Camshaft bearing, intermediate	FC
14596-AS	1	Camshaft gear thrust adjusting screw assembly	HJ
2048-A	1	Camshaft gear thrust adjusting screw nut	HK
14591-A	1	Camshaft thrust plunger adjusting screw plug	HM

Give Engine Number with Each Parts Order

CYLINDER HEAD (Continued)

Part No.	No. Req.	PART NAME	Illustration Reference
16282-D	2	Cylinder head, front or rear, dual ignition, 5.4:1 compression ratio, 18 M.M. plugs, new stud location	
15978-D	2	Cylinder head, front or rear, dual ignition, 4.5:1 compression ratio, 18 M.M. plugs, new stud location	
15923-C	2	Cylinder head gasket, all engines up to No. 118900, old stud location	
17219-C	2	Cylinder head gasket, all "RXB" engines after No. 118900, new stud location—Replaces 15951-C, 16155-C and 17224-C	GD
6258-A	32	Cylinder head attaching stud	
4166-A	32	Cylinder head attaching stud nut	
918-A	32	Cylinder head attaching stud washer	
1608-A	32	Cylinder head cap screw ½"-13x3⅝"—Used on some engines ..	GC
1075-A	2	Cylinder head pipe plug ½" standard	

GEAR COVER

Used on engines which do not have flexible seals around crankshaft and accessory shaft. Be sure to give engine serial number when ordering gear cover.

15114-D	1	Gear cover (Used with horizontal front mounted governor)	
15080-DS	1	Gear cover, standard (Includes oil drain stamping)	HA
15024-C	1	Gear cover gasket	HB
352-A	5	Gear cover screw, short (½"13x1¼")	HD
8552-A	2	Gear cover screw, long (½"-13x2¾")	HF
4038-A	1	Gear cover screw, long (½"-13x3½")	HC
312-A	9	Gear cover screw lockwasher (½" light)	
14596-AS	1	Thrust adjusting screw assembly (For cam gear)	HJ
14594-AS	1	Thrust adjusting screw assembly (For idler gear)	HL
14591-A	2	Thrust adjusting screw plug—fibre	HM
2048-A	2	Thrust adjusting screw nut (⅞"-14)	HK
15069-A	1	Gear cover oil drain—stamping	
2189-A	3	Gear cover oil drain pin	
15061-A	1	Governor opening cover plug	HG
1712-A	1	Governor opening cover plug screw (½"-13x¾" U.S.S.)	
312-A	1	Governor opening cover plug screw lockwasher	

Give Engine Number with Each Parts Order

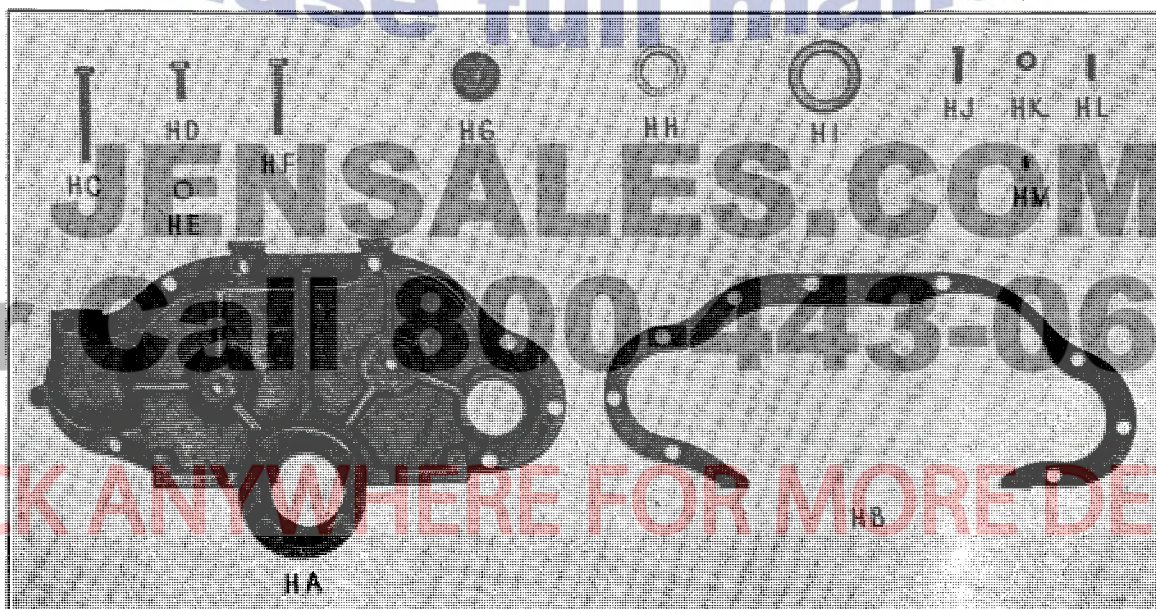


Illustration Reference H