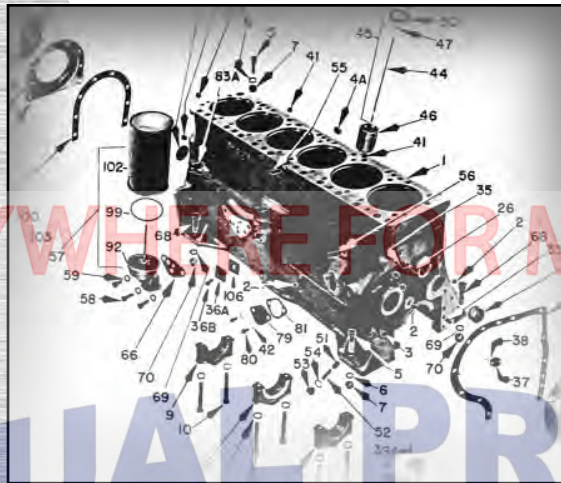




Hercules

Parts Manual

BXB Engines

Parts Manual

JENSALES.COM

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HE-P-BXB

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PARTS LIST

HERCULES TWO CYLINDER ENGINE

of the

“BX” Series

Engine Serial Numbers 880,001 to 900,000



JENSALES.COM
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HERCULES MOTORS CORP.

CANTON, OHIO, U. S. A.

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GROUP INDEX

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	Text Page		Text Page
A		M	
Accessory Drive	14	Magneto	18-22
Air Cleaner	18-22	Main Bearings	7
B		Manifold	12
Bayonet Gauge, Oil	7-22	Miscellaneous Parts	19
Bearings, Main	7	Muffler Assembly	20
Bellhousing	13	O	
Breather	13	Oil Lever Gauge	7-22
C		Oil Line	11
Cable Bracket	13	Oil Pan	11-22
Camshaft	8	Oil Pressure Regulator	8
Carburetor and Control	18-22	Oil Pump	10
Clutch and Control	19	P	
Connecting Rod	9	Piston	8
Crankshaft	9	R	
Cylinder Block	7	Radiator Assembly	23
Cylinder Head	13	S	
F		Side Panels and Hood	22
Fan Assembly	20	Special Mounting Parts	17
Flywheel	13	Starter Drive Unit	19-20
G		Starting Crank	17-22
Gasket Assembly	6	T	
Gas Tank and Line	19-23-24	Tools	24
Gear Cover	12	V	
Governor	20-21	Valves	9
H		W	
Hood and Side Panels	22	Water Inlet Tube	17
I		Water Outlet Pipe	17
Idler Gear	10	Water Pipes	23
Instrument Panel	23	Water Pump	13-14-15-16
		Water Pump Drive	16

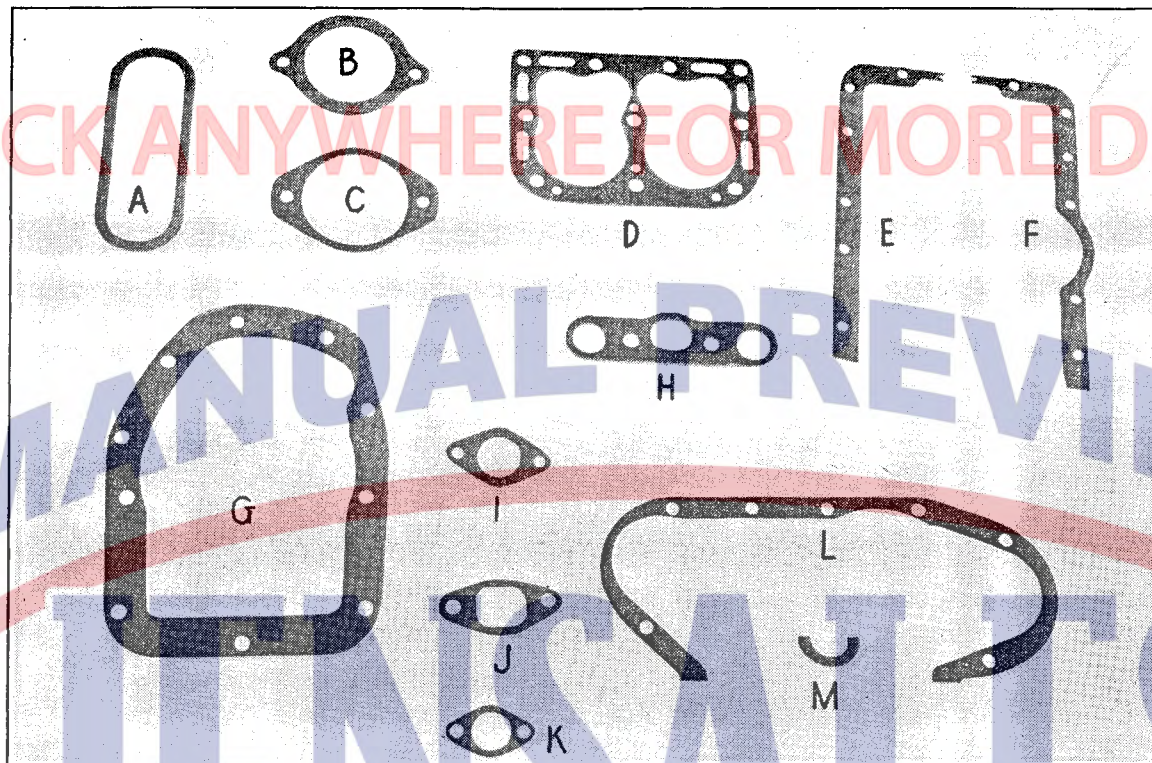


Illustration Reference A to M

SECTION I (ENGINE PARTS)

GASKET ASSEMBLY

The following assembly does not include gaskets for fan assembly or any of the accessories or special parts.

Part No.	No. Req'd	PART NAME	Illustration Reference
37999-AS	1	Gasket Assembly—Includes the following gaskets—	
37002-B	1	Cylinder Head Gasket	D
58065-B	1	Bellhousing Gasket	G
58024-B	1	Gear Cover Gasket	L
37033-B	1	Manifold Gasket	H
37085-B	1	Oil Pan Gasket—R.H.	F
37086-B	1	Oil Pan Gasket—L.H.	E
37005-B	1	Valve Cover Gasket	A
14438-A	1	Regulator Nut Gasket	S
37564-A	1	Fuel Pump Gasket	
37167-A	1	Water Pump Gasket	DC
58685-A	1	Water Pump Discharge Pipe Gasket	J
4110-A	1	Water Pipe Gasket	I
4980-A	1	Carburetor Gasket	K
62950-A	1	Magneto Gasket	C
62802-A	1	Governor Gasket	B
14642-A	2	Corks Seals	
37187-A	1	Oil Pan Gasket	
37188-A	1	Oil Pan Gasket	
58368-A	1	Water Pump Cover Gasket	
62813-A	1	Governor Gasket	

Give Engine Number with Each Parts Order

OIL PRESSURE REGULATOR

Part No.	No. Req'd	PART NAME	Illustration Reference
22129-A	1	Oil Pressure Regulator Piston	U
1347-A	1	Oil Pressure Regulator Spring	T
14436-A	1	Oil Pressure Regulator Adjusting Screw	Q
14437-A	1	Oil Pressure Regulator Locknut	R
14438-A	1	Oil Pressure Regulator Nut Gasket	S

CAMSHAFT

37063-DS	1	Camshaft with thrust plug, used on engines on and after Serial No. 891690. Use Oil Pump Drive Gear 28371A.	BP
37062-DS	1	Camshaft with thrust plug used on engines up to and including Serial No. 891689. Use Oil Pump Drive Gear 27126A.	BP
58041-A	1	Camshaft Front Bearing	BO
37043-B	1	Camshaft Rear Bearing	BI
58049-B	1	Camshaft Gear	AY
4199-A	1	Camshaft Gear Key	
14348-A	1	Camshaft Thrust Washer	AX
40068-A	1	Camshaft Thrust Plug	

PISTON—2 $\frac{7}{8}$ " BORE

37017-C	2	Piston—Cast Iron—For 2 $\frac{7}{8}$ " Bore—including Bushings	AH
3839-A	4	*Piston Ring—Compression	AM
3939-A	2	*Piston Ring—Oil Regulating	AL
37015-B	2	Piston Pin	AG
37016-A	4	Piston Pin Bushings	
37018-AS	1	Piston Ring Set, includes Parts Marked *	

Give Engine Number with Each Parts Order



Illustration Reference Z to AE

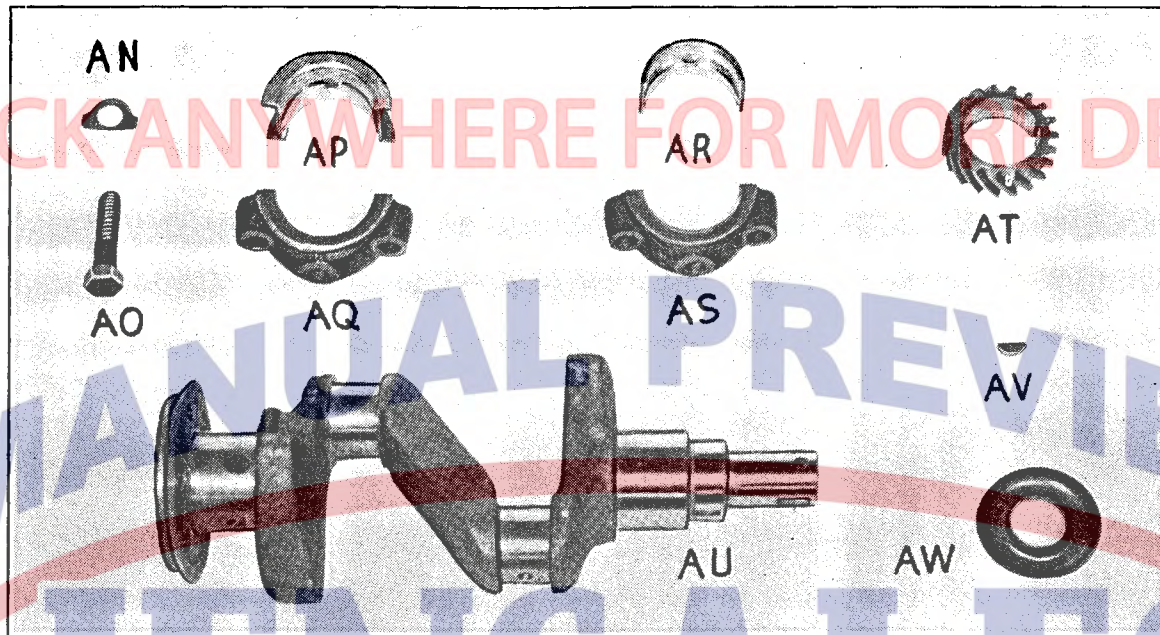


Illustration Reference AN to AW

IDLER GEAR

Part No.	No. Req'd	PART NAME	Illustration Reference
37105-AS	1	Idler Shaft and Thrust Plug	BH
58105-B	1	Idler Shaft Gear	AZ-CX
37107-A	1	Idler Shaft Bearing .002 oversize	BN
27107-A	1	Idler Shaft Thrust Washer	BA
40068-A	1	Idler Shaft Thrust Plug	

OIL PUMP

There are two types of oil pumps with respect to driving gears. The driving gears of the two types are the same except for the material. Oil pump with steel driving gear 27126A is used with camshaft 37062DS. Oil pump with cast iron driving gear 28371A is used with camshaft 37063DS. See Note under camshaft for engine serial numbers to determine correct camshaft, and oil pump to order. The oil pumps listed, include the same parts with the exception of the driving gear.

37124-CS	1	Oil Pump Assembly—Includes Parts Marked %	BS
37120-CS	1	Oil Pump Assembly—Includes parts marked *	BS
37121-C	1%	*Oil Pump Body	CA
37123-A	1%	*Oil Pump Shaft	BT
27125-A	1%	*Oil Pump Idler Shaft	BZ
27122-A	2%	*Oil Pump Pumping Gears	BY
1179-A	2%	*Oil Pump Gear Key	
4411-A	2%	*Oil Pump Snap Ring	CB
27126-A	1	*Oil Pump Drive Gear	BV
28371-A	1%	Oil Pump Drive Gear	BV
1179-A	1%	*Oil Pump Drive Gear Key	BU
5813-A	1%	*Oil Pump Drive Gear Pin	BI
37122-A	1%	*Oil Pump Cover	CE
11365-A	4%	*Oil Pump Cover Screw	CD
266-A	4%	*Oil Pump Cover Screw Lockwire	
4412-A	1%	*Oil Pump Drive Gear Washer	BX
37110-AS	1	Oil Strainer Assembly	P
303-A	2	Oil Pump Attaching Screw	
615-A	2	Oil Pump Attaching Lockwasher	

Give Engine Number with Each Parts Order

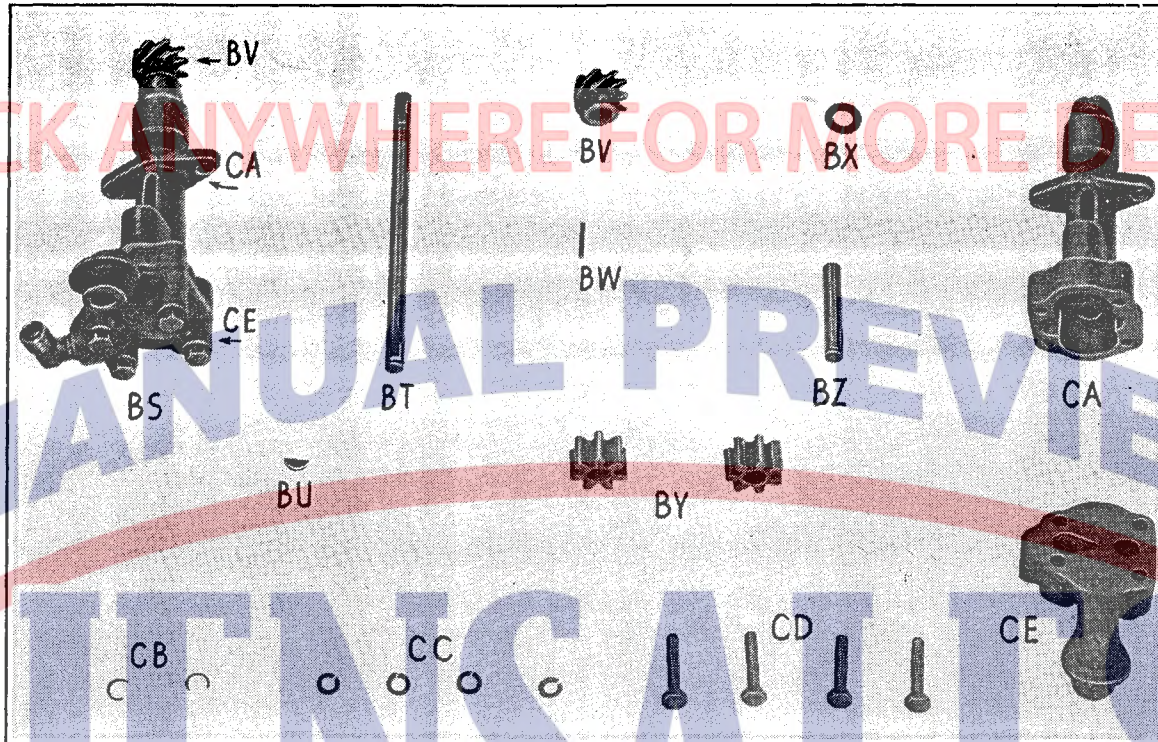


Illustration Reference BS to CE

MANIFOLD

Part No.	No. Req'd	PART NAME	Illustration Reference
37032-D	1	Manifold	AE
37033-B	1	Manifold Gasket	
3132-A	2	Manifold Stud	
13123-A	2	Manifold Stud Nut—Replaces 11795-A	
4172-A	2	Manifold Stud Plain Washer	
305-A	1	Manifold Pipe Plug	
14196-A	1	Manifold Outlet Pipe Plug	

GEAR COVER—Cork Seal Type

37034-C	1	Gear Cover—Standard	AA
37030-C	1	Gear Cover—Special—DOO and DJX Starting Unit	AA
37038-C	1	Gear Cover—Used with Mechanical Driven Water Pump...	
58024-B	1	Gear Cover Gasket	
4266-A	2	Gear Cover Screw— $\frac{3}{8}$ "-16x1 $\frac{3}{4}$ "	
1865-A	1	Gear Cover Screw— $\frac{3}{8}$ "-16x1 $\frac{1}{2}$ "	
2083-A	2	Gear Cover Screw— $\frac{3}{8}$ "-16x2 $\frac{1}{4}$ "	
682-A	1	Gear Cover Screw— $\frac{3}{8}$ "-16x2 $\frac{3}{4}$ "	
342-A	7	Gear Cover Screw Lockwasher	
14592-AS	2	Gear Cover Thrust Screw Assembly—Includes parts marked *	BG
14591-A	2	*Gear Cover Thrust Screw Fiber Plug	
2048-A	2	Gear Cover Thrust Screw Nut	BM
14642-A	1	Gear Cover Seal	

GEAR COVER—Flexible Seal Type

37050-C	1	Gear Cover—Standard	
37053-C	1	Gear Cover—Used with Mechanical Driven Water Pump ...	
200382-AS	1	Gear Cover Oil Seal Assembly	
3689-A	1	Gear Cover Oil Seal Ring Included in 200382-AS. Attaching parts same as listed above.	

Give Engine Number with Each Parts Order