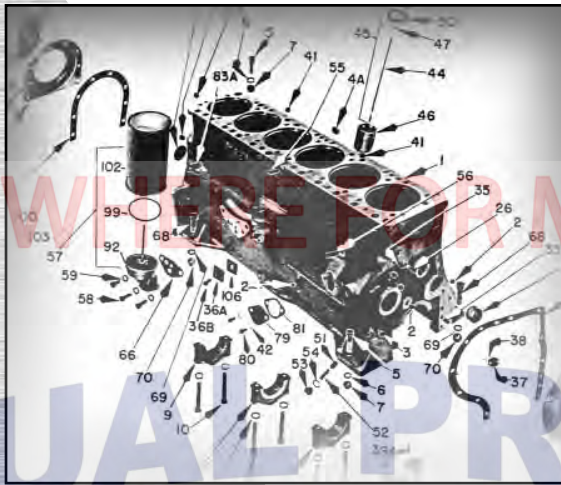




Hercules

Parts Manual

JXLD

Parts Manual

JENSALES.COM

or Call 800-443-0625



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HE-P-JXLD

CLICK ANYWHERE FOR MORE DETAILS

PARTS LIST
HERCULES
SIX CYLINDER ENGINE

of the
"JXL" Series



HERCULES MOTORS CORP.
CANTON, OHIO, U.S. A.

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

INSTRUCTIONS *for* ORDERING PARTS

This parts list supersedes all others of previous date.

All prices are subject to change without notice.

All shipments are strictly C. O. D., except when otherwise agreed to by contract with our company.

All parts are shipped F. O. B. Canton, Ohio, except Parcel Post packages, which are prepaid and billed to customer on the invoice.

When ordering by telegram or telephone, be sure to send us confirming order.

DO NOT order anything in sets; for example, "One set of Piston Rings" might be understood as meaning Four—a set for one Piston—or Twenty-Four—a set for one Engine.

When in doubt as to whether you can order from this parts book, send in a sketch, or the old part (prepaid) and specify on order "as per sketch," or "as per sample."

When ordering parts, give engine number.

If you return old part as sample be sure to advise us that you are doing so, and put a tag on the part with your name and address, so it may be quickly identified.

PARTS RETURNED FOR CREDIT

All claims must be made within three days after receipt of goods. Transportation charges must be prepaid. Never return a part to our factory without writing us a letter informing us what you are returning and why. Place on outside of box or package, tag showing name and address. Tag each article in box or package, stating what, how many, and why returned, specifying number of engine from which part was removed.

Your careful attention and adherence to the above instructions will assist us in giving you prompt and correct service.

**HERCULES MOTORS CORPORATION
CANTON, OHIO, U.S.A.**

OCTOBER 10, 1952

Supersedes All Previous Parts Lists

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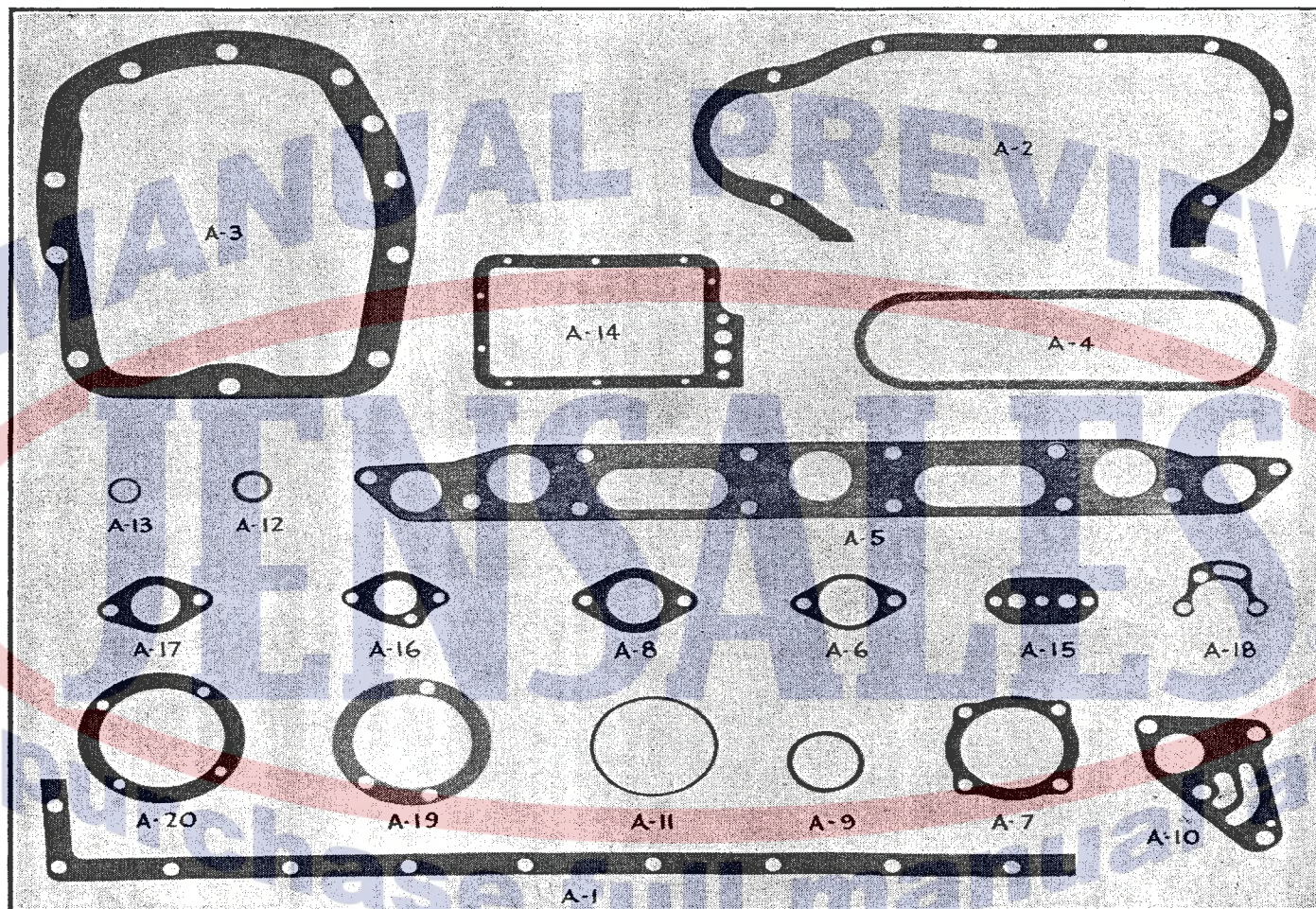


Illustration Reference A

GASKETS

Part No.	No. Req'd	PART NAME	Illustration Reference
43879-AS	1	Gasket Assembly (Includes the Parts Marked *)	
42183-B	2	*Oil Pan Gaskets	A-1
22024-B	1	*Gear Cover Gasket	A-2
22065-B	1	*Bellhousing Gasket	A-3
41005-B	2	*Valve Cover Gasket	A-4
42084-B	1	*Manifold Gasket	A-5
14224-A	1	*Water Outlet Pipe Gasket	A-6
43704-A	1	*Thermostat Housing Gasket	A-7
87-A	1	*Carburetor Gasket	A-8
11707-A	1	*Thermostat Gasket	A-9
40691-A	1	*Oil Filter Attaching Gasket	A-10
2452-A	1	*Oil Filter Shell Gasket	A-11
2448-A	1	*Oil Filter Shell Nut Gasket	A-12
8575-A	2	*Bypass Plug Gasket (Oil Filter)	A-13
2450-A	1	*Oil Filter Cap Gasket	
40248-A	1	*Oil Cooler Cover Gasket	A-14
40247-A	1	*Oil Cooler Unit Gasket	A-15
22564-A	2	*Breather and Fuel Pump Gasket	A-16

Give Engine Number with Each Parts Order

GASKETS (Continued)

Part No.	No. Req'd	PART NAME	Illustration Reference
7218-A	1	*Water Inlet Pipe Gasket	A-17
22119-A	1	*Oil Pump Attaching Gasket	A-18
22149-A	1	*Water Pump Attaching Gasket	A-19
43167-A	1	*Water Pump Body Gasket	A-20
Special Gaskets Used On Some JXLD Engines			
42833-A	1	Oil Pump Attaching Gasket	
43031-B	1	Gear Cover Attaching Gasket	
43335-B	1	Manifold Gasket	
43337-B	1	Manifold End Plate Attaching Gasket	
4702-A	1	Water Outlet Attaching Gasket	
43390-B	2	Oil Pan Attaching Gasket	
85-A	1	Accessory Drive Cover Plate Attaching Gasket	
22149-A	1	Accessory Drive Attaching Gasket	
7219-A	1	Carburetor Attaching Gasket	
43337-B	2	Exhaust Flange and Adapter Attaching Gasket	
296-A	1	Tachometer Drive Coupling Gasket	
43246-A	1	Cooler and Filter Bracket Gasket	

CYLINDER HEAD GASKETS

44227-C	1	Cylinder Head Gasket JXLD—Replaces 43236-C and 44204-C	F-2
43221-C	1	Cylinder Head Gasket JXLDMM	
43221-C	1	Cylinder Head Gasket JXLDCMM Replaces 42215-C	

OIL SEALS

3543-B	1	Bellhousing Oil Seal	H-9
11087-AS	1	Gear Cover Oil Seal	J-7
13696-A	1	Reverse Gear Lever Shaft Oil Seal	
11757-A	1	Packing Gland (For Distributor Shaft)	
13924-A	1	Reverse Gear Oil Seal	
6186-A	1	Water Pump Shaft Oil Seal	
11758-A	1	Oil Seal Washer (For Distributor Shaft)	

CYLINDER AND CRANKCASE

44845-AS	1	Cylinder and Crankcase Assembly (Includes Parts Marked *) B-1	
43582-AS	1	*Main Bearing Assembly (Includes Parts Marked **)	
43598-B	2	**Front Main Bearing—Replaces 43692-B and 43693-B	D-10
43599-B	2	**Center Main Bearing—Replaces 43694-B and 43695-B	D-11
43600-B	8	**Intermediate Main Bearing—Replaces 43696-B and 43697-B	D-12
43601-B	2	**Rear Main Bearing—Replaces 43698-B and 43699-B	D-13
42540-A	4	**Rear Main Bearing Thrust Flange	D-14
40554-A	4	**Rear Main Bearing Thrust Flange Dowel	D-15
40552-A	30	*Front and Intermediate Main Bearing Shim .003"	
40551-A	12	*Center and Rear Main Bearing Shim .003"	
40549-A	As Req.	*Center and Rear Main Bearing Shim .002"	
40550-A	As Req.	*Front and Intermediate Main Bearing Shim .002"	

The above Shims used only on some Engines.

NOTE: Bearing caps used with these bearings are not furnished separately but are listed here for convenience.

40543-B	1	*Front Main Bearing Cap	
40542-B	1	*Center Main Bearing Cap	
40544-B	4	*Intermediate Main Bearing Cap	
42537-B	1	*Rear Main Bearing Cap	
44971-E	1	*Cylinder Block—Not Serviced Separately	
40070-A	10	*Main Bearing Screw	

Give Engine Number with Each Parts Order



Illustration Reference B

CYLINDER AND CRANKCASE (Continued)

Part No.	No. Req'd	PART NAME	Illustration Reference
40071-A	8	*Main Bearing Screw	
4731-A	10	*Main Bearing Lockwasher	
4732-A	8	*Main Bearing Lockwasher	
1609-A	8	*Expansion Plug—1¼"	
1075-A	4	*Pipe Plug—½"	
8-A	1	*Drain Cock	
60-A	1	*Oil Tube Pipe Plug—¼"	
59-A	7	*Oil Tube Pipe Plug—⅛"	
4643-A	1	*Oil Tube Expansion Plug	
22158-A	1	*Oil Tube Hole Pipe Plug	
44063-A	2	*Camshaft Front & Rear Bearing	
40065-A	2	*Camshaft Center Bearing	
4185-A	10	*Manifold Attaching Studs	
13329-A	2	*Manifold Attaching Studs	
40137-A	1	*Idler Shaft Bearing	
43010-A	12	*Valve Guides	
22089-A	12	*Valve Tappet Guides	
22158-A	1	*Fuel Pump Drive Pin Hole Plug	
14232-A	1	*Magnet Bracket Attaching Hole Expansion Plug	
59-A	1	*Pipe Plug—Oil Filter Return	

CONNECTING ROD

43087-AS	6	Connecting Rod Assembly (Includes Parts Marked *)	
		Replaces 43097-AS and 43100-AS	C-1
43088-AS	6	*Connecting Rod Assembly, (Includes Parts Marked **)	
44119-C	6	**Connecting Rod—Not Serviced Separately	C-2
40391-C	6	**Connecting Rod Cap—Not Serviced Separately	C-3

Give Engine Number with Each Parts Order

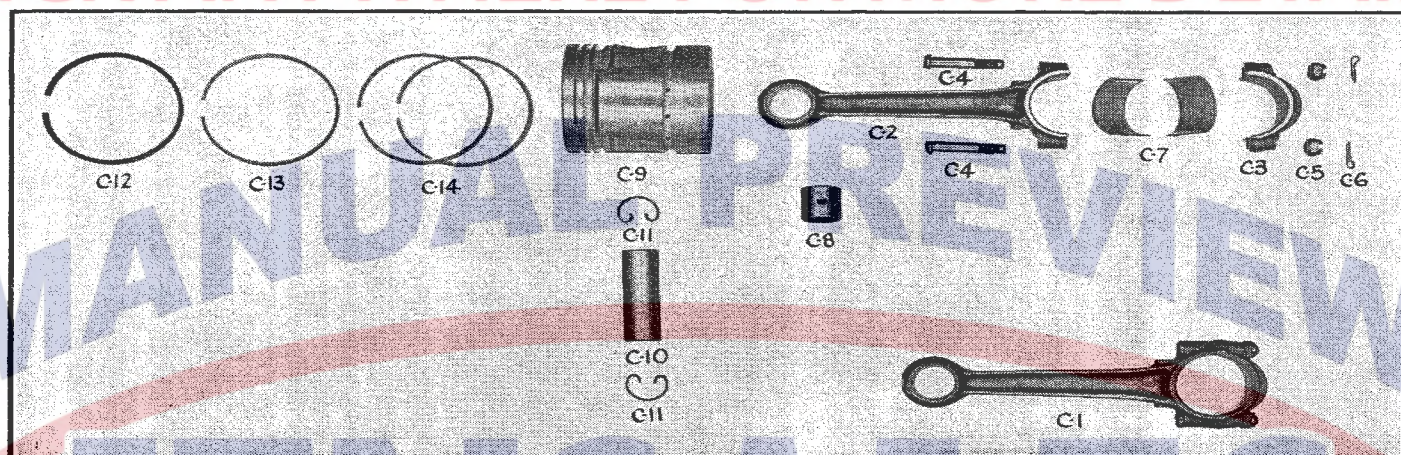


Illustration Reference C

CONNECTING ROD (Continued)

Part No.	No. Req'd	PART NAME	Illustration Reference
22059-A	12	**Connecting Rod Cap Bolt	C-4
21056-A	12	**Connecting Rod Cap Nut	C-5
301-A	12	**Connecting Rod Cap Nut Cotter	C-6
43081-B	12	**Connecting Rod Bearing—Replaces 42982-B and 43597-B	C-7
43096-A	6	**Connecting Rod Bushing (Piston Pin)	C-8

SHIM ASSEMBLY

(Used only on some engines)

45702-AS	1	Shim Assembly (Includes Parts Marked *)	
40550-AS	30	*Shim—Front and Intermediate .002"	
40552-A	10	*Shim—Front and Intermediate .003"	
40549-A	12	*Shim—Center and Rear .002"	
40551-A	4	*Shim—Center and Rear .003"	
40553-A	24	*Shim—Connecting Rod .002"	
40556-A	6	*Shim—Connecting Rod .003"	

PISTON (ALUMINUM)

43145-AS	6	Piston and Pin Assembly (Includes Parts Marked *)	
43127-C	6	*Piston	C-9
43118-A	6	*Piston Pin	C-10
43125-A	12	*Piston Pin Retainer	C-11
43128-A	6	Piston Ring—Top Groove	C-12
42101-A	6	Piston Ring—2nd Groove	C-13
43149-A	12	Piston Ring—3rd Groove and 4th Groove— Replaces 21317-A	C-14

CRANKSHAFT

43528-E	1	Crankshaft—Tocco Hardened—Counterbalanced Replaces 42974-E	D-1
44026-B	1	Crankshaft Gear—Replaces 22039-B	D-2
4265-A	1	Crankshaft Gear Key	D-3
4642-A	1	Crankshaft Dowel	D-4
22104-A	4	Crankshaft Flywheel Bolt	D-5

Give Engine Number with Each Parts Order

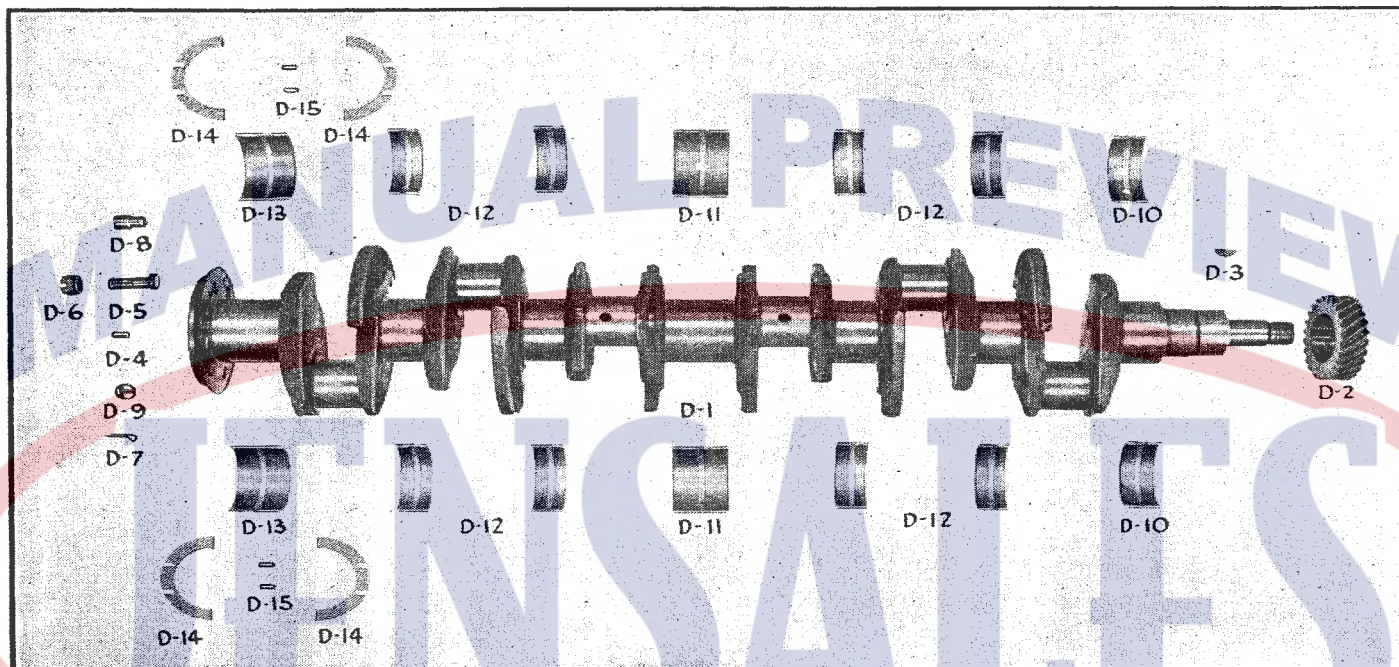


Illustration Reference D

CRANKSHAFT (Continued)

Part No.	No. Req'd	PART NAME	Illustration Reference
1656-A	4	Crankshaft Flywheel Bolt Nut	D-6
301-A	4	Crankshaft Flywheel Bolt Cotter	D-7
1707-A	2	Crankshaft Flywheel Dowel	D-8
665-A	2	Crankshaft Flywheel Expansion Plug	D-9

VALVES (Rotator Type Exhaust)

43018-A	6	Valve—Intake	E-1
43016-A	6	Valve—Exhaust	E-2
40008-A	12	Valve Spring—Replaces 43015-A	E-3
43021-A	6	Valve Spring Seat—Intake	E-4
76011-A	12	Valve Spring Seat Lock—Intake	E-5
43017-A	6	Valve Spring Retainer—Exhaust	E-6
20022-A	12	Valve Rotator Key—Exhaust	E-7
20023-A	6	Valve Rotator Cap—Exhaust	E-8
43010-A	12	Valve Guide	E-9
41005-B	2	Valve Cover Gasket	E-10
40006-B	2	Valve Cover	E-11
4068-A	4	Valve Cover Screw	E-12

PUSH ROD (TAPPET)

43024-AS	12	Valve Tappet Assembly (Includes Parts Marked *)	E-13
45812-A	12	*Valve Tappet	E-14
2185-A	12	*Valve Tappet Adjusting Screw	E-15
2186-A	12	*Valve Tappet Adjusting Nut	E-16
22089-A	12	Valve Tappet Guide	E-17

Give Engine Number with Each Parts Order

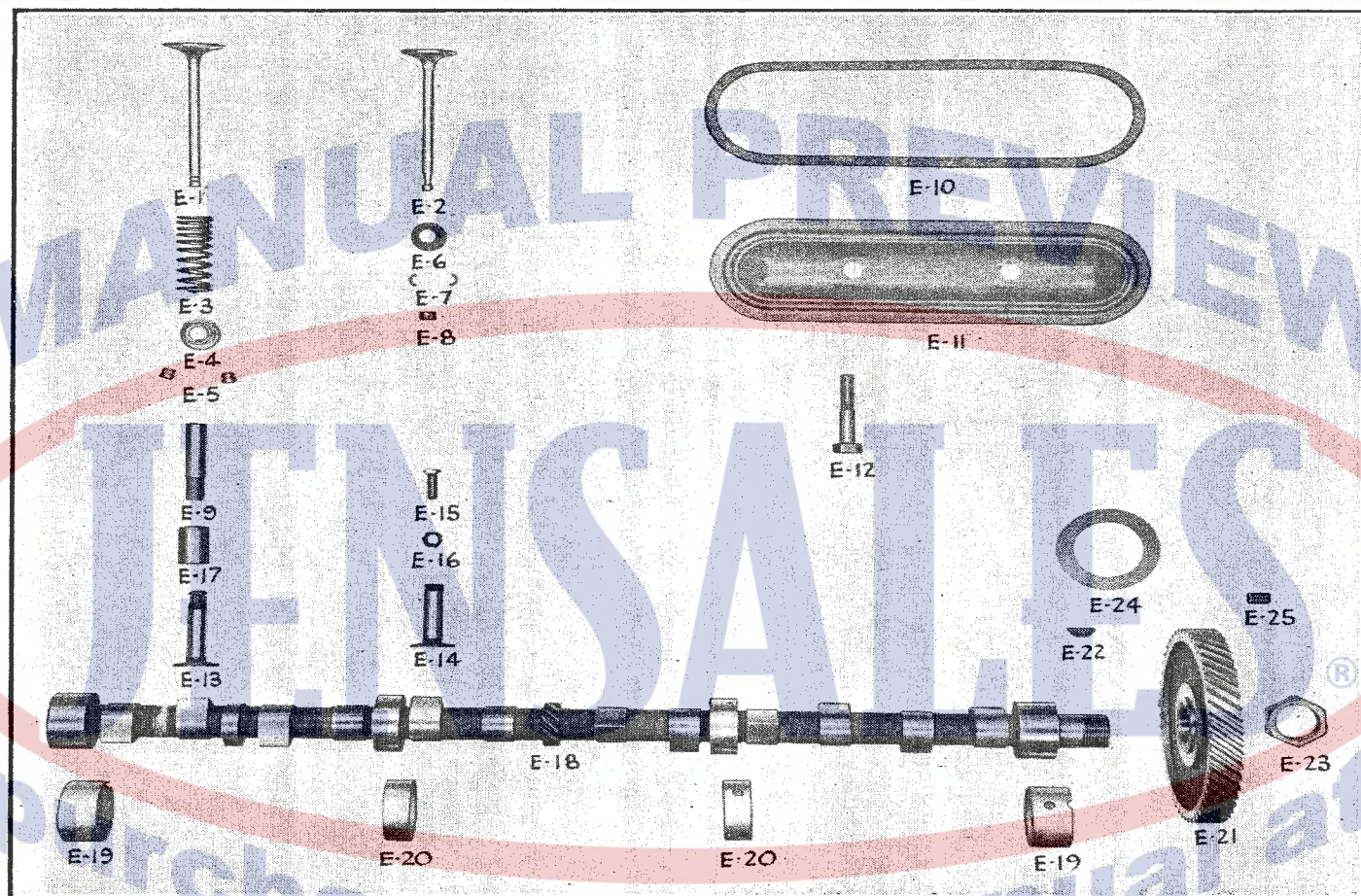


Illustration Reference E

BREATHER

Part No.	No. Req'd	PART NAME	Illustration Reference
40038-AS	1	Breather Cap Assembly	
40035-A	1	Breather Pipe	

CAMSHAFT

45686-D	1	Camshaft—Replaces 42062-D	E-18
40063-A	2	Camshaft Front and Rear Bearing	E-19
40065-A	2	Camshaft Center Bearing	E-20
42914-B	1	Camshaft Gear	E-21
4265-A	1	Camshaft Gear Key	E-22
11023-A	1	Camshaft Gear Nut	E-23
2045-A	1	Camshaft Thrust Washer	E-24
40068-A	1	Camshaft Thrust Plunger	E-25

Give Engine Number with Each Parts Order

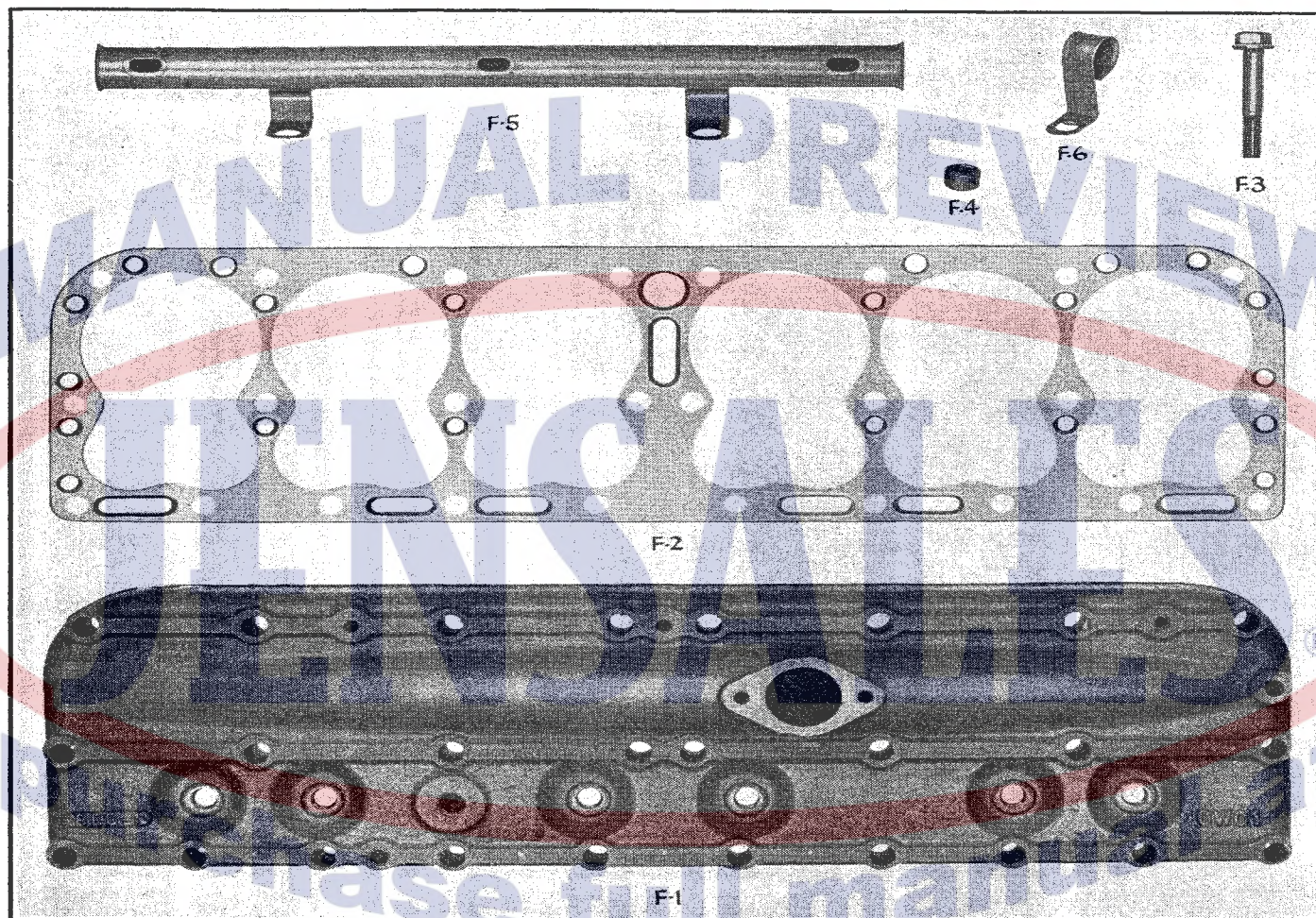


Illustration Reference F

CYLINDER HEAD

Part No.	No. Req'd	PART NAME	Illustration Reference
45597-D	1	Cylinder Head 6.2:1 Compression Ratio ⅞-18" Spark Plug Holes	
43231-D	1	Cylinder Head 6.5:1 Compression Ratio 14MM Spark Plug Holes	
43201-D	1	Cylinder Head 6.75:1 Compression Ratio 14MM Spark Plug Holes	F-1
44227-C	1	Cylinder Head Gasket—Replaces 43236-C and 44204-C	F-2
201017-AS	26	Cylinder Head Capscrew Assembly—Replaces 6346-A	F-3
1075-A	1	Cylinder Head Pipe Plug	F-4
3586-A	1	Cylinder Head Cup Plug—1" Diameter	

IDLER SHAFT

42669-AS	1	Idler Shaft Assembly (Includes Parts Marked *)	G-1
40136-A	1	*Idler Shaft	G-2
42915-B	1	*Idler Shaft Gear	G-3
40068-A	1	*Idler Shaft Thrust Plunger	G-4

Give Engine Number with Each Parts Order

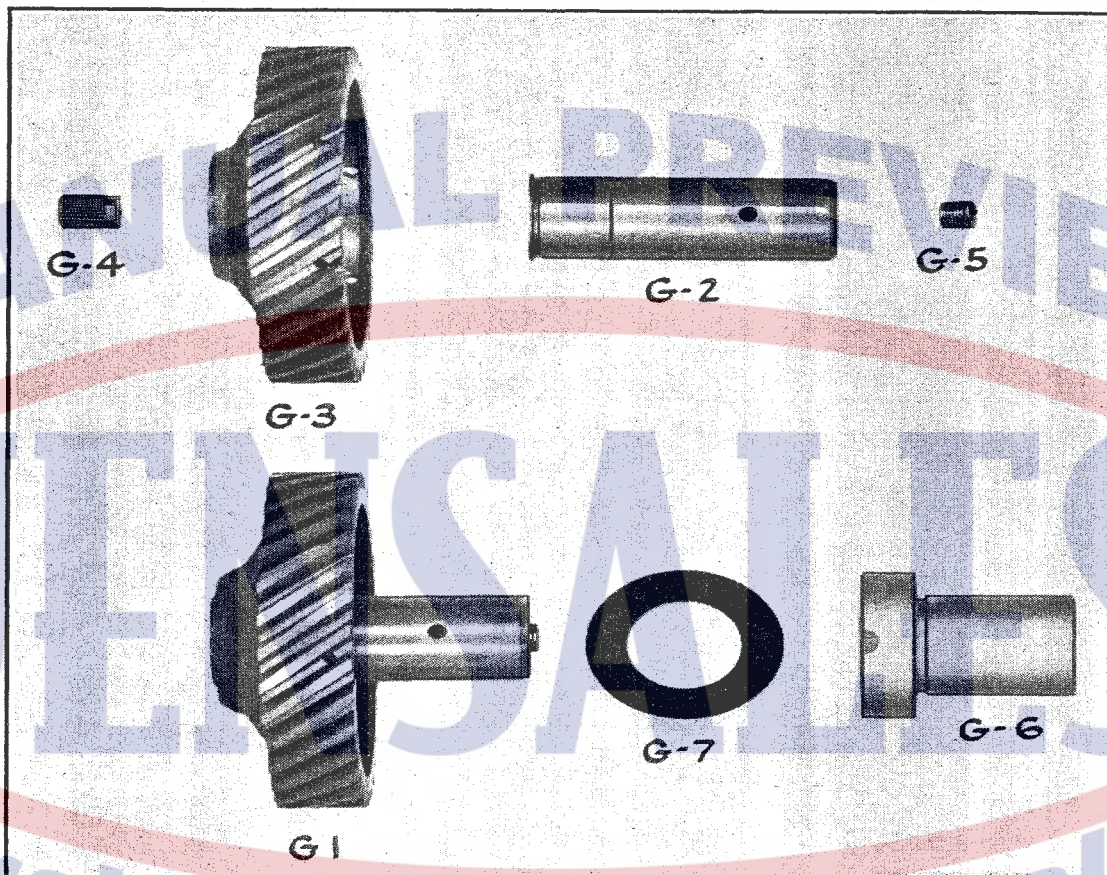


Illustration Reference G

IDLER SHAFT (Continued)

Part No.	No. Req'd	PART NAME	Illustration Reference
59-A	1	*Idler Shaft Pipe Plug	G-5
40137-A	1	Idler Shaft Bearing	G-6
22107-A	1	Idler Shaft Thrust Washer	G-7

FAN DRIVING PARTS

40284-B	1	Fan Drive Pulley (Steel)	
14734-A	1	Fan Pulley Lock Washer	
40306-A	1	Starting Crank Grab (Used to Hold Fan Pulley on Crankshaft)	
42483-B	1	Fan Drive Pulley, Standard Power Unit Type	
22071-A	1	Fan Drive Pulley Pin	
301-A	2	Fan Drive Pulley Pin Cotter	
4265-A	1	Fan Pulley Key	

FLYWHEEL

Part numbers on flywheels are stamped on the rims. If flywheel is ordered be sure to give part number of flywheel and engine number of engine for which the wheel is ordered, as there is such a large variety of flywheels used it would be impossible to list all in a book of this size. Some of the more common are listed on page 14.

Give Engine Number with Each Parts Order

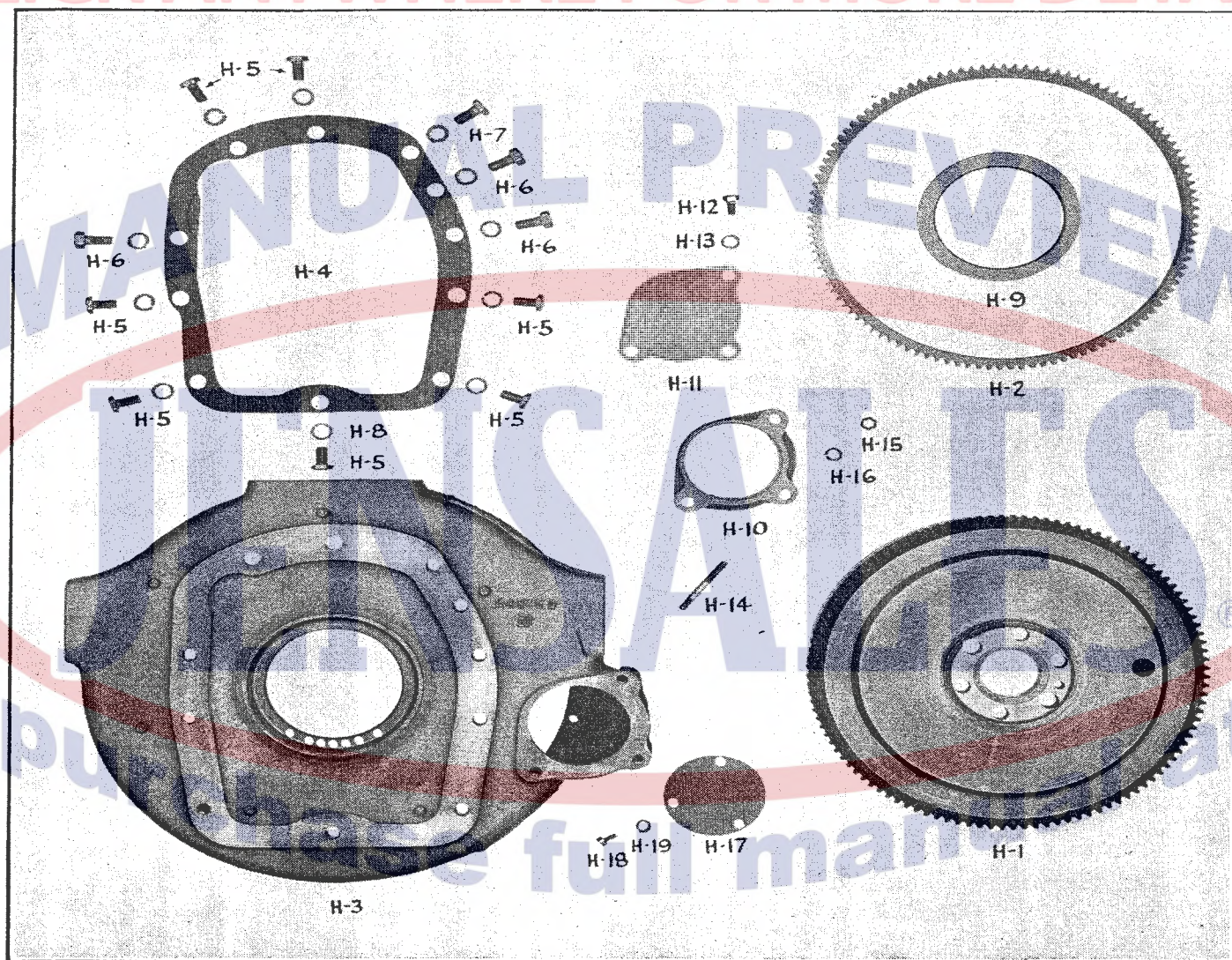


Illustration Reference H

FLYWHEEL (Continued)

Part No.	No. Req'd	PART NAME	Illustration Reference
24643-C	1	Flywheel, for 14" S. P. W. C. Lipe Clutch	
22510-C	1	Flywheel, for 12 QL Borg and Beck Clutch	
24622-C	1	Flywheel, for 13" S.P. Lipe Roll-way Clutch	H-1
24640-C	1	Flywheel, for 13" Borg and Beck Clutch	
24647-C	1	Flywheel, for Disc Coupling	
18492-C	1	Ring Gear, 126 Teeth	
22505-C	1	Ring Gear, 112 Teeth	
15471-C	1	Ring Gear, 126 Teeth	H-2
15480-C	1	Ring Gear, 135 Teeth	

Give Engine Number with Each Parts Order