



# PARTS LIST

Leon's Chainsaw Parts & Repair  
Do Not Sell or Reproduce

## HOMELITE

GEAR DRIVE  
CHAIN SAW



# HOMELITE CHAIN SAW MODEL 775 G

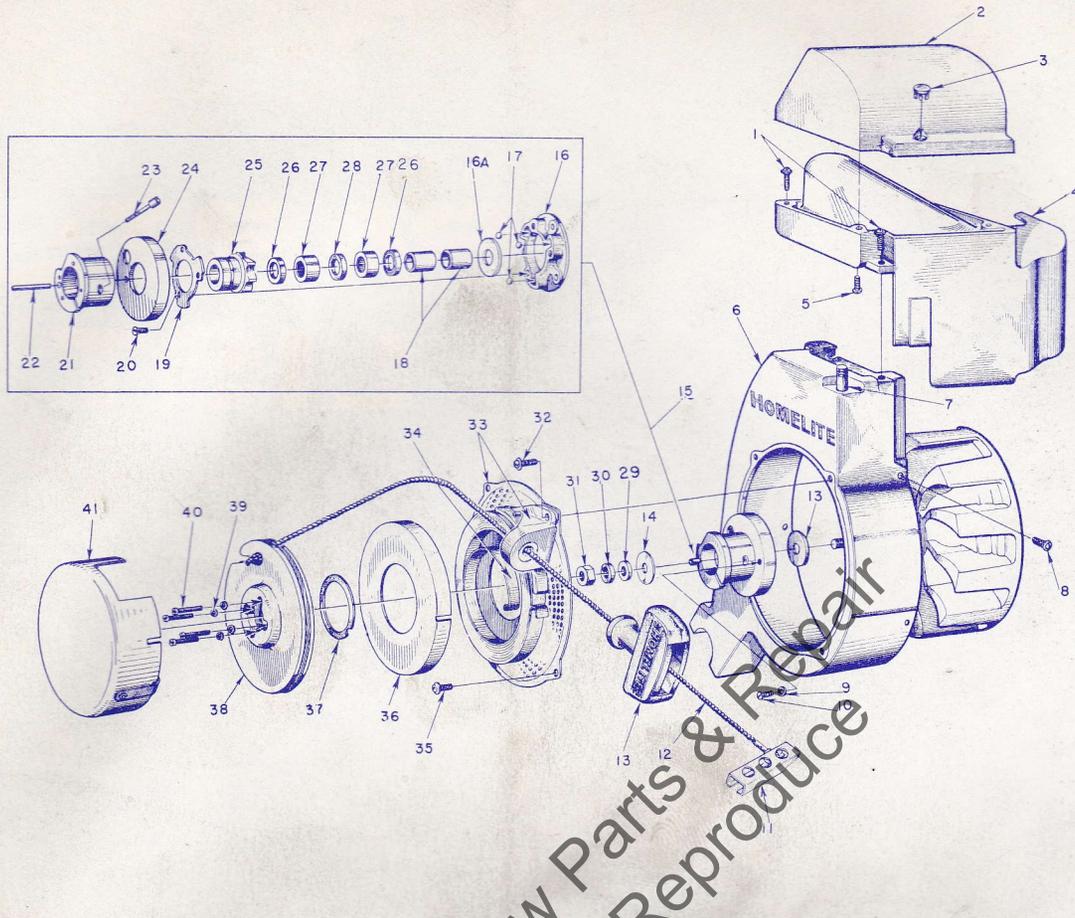


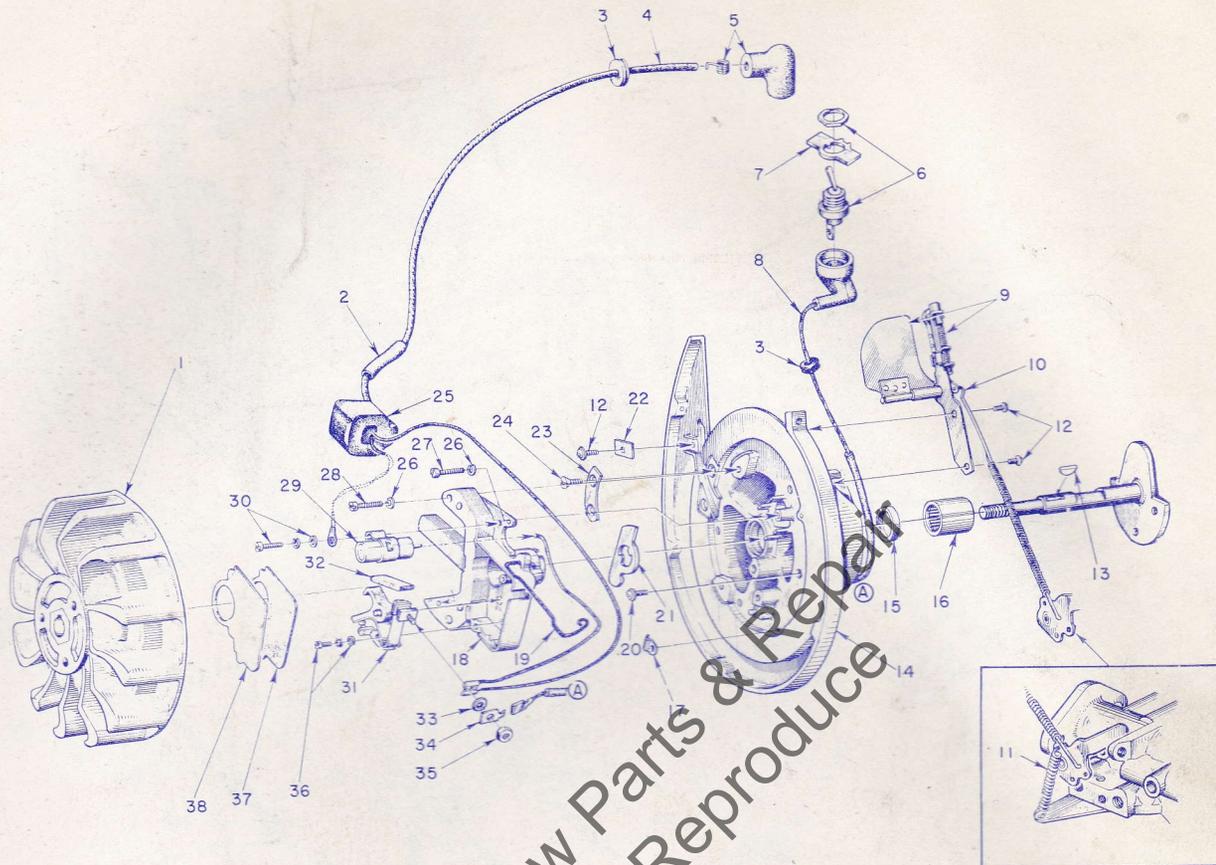
FIGURE 1 — HOMELITE RECOIL STARTER PARTS

Index No.	Part No.	Description	No. Required	Index No.	Part No.	Description	No. Required
1	80560	SCREW—8-32 x 1/2	2	22	57065	PIN—spiral	1
2	56968	CAP—cylinder shield	1	23	72295-A	SCREW—hub	1
	57029	DECAL—"Homelite"	1	24	56896	CUP—sealing	1
3	32814	PLUG	1		*A-57885	RATCHET & BEARING	
4	56967-2	SHIELD—cylinder	1			Includes	
5	80513	SCREW—self-tapping #6 x 1/2	4	25	*57797	RATCHET	1
6	A-57694-A	FAN HOUSING	1	26	*71597	SEAL—garlock	2
		Includes		27	*71596	BEARING—needle	2
7	58361	STUD—fuel tank	1	28	*71595	FELT	1
8	80577	SCREW—8-32 x 3/8 pan hd.	4	29	84055	WASHER—flat aluminum 7/16	1
9	83074	WASHER—lock, 1/4	3	30	83019	WASHER—lock 7/16	1
10	80173	SCREW—1/4-20 x 5/8	3	31	81110	NUT—hex 7/16-20	1
11	58517	INSERT—grip w/cover	1	32	80576	SCREW—10-32 x 1/16 (through bracket)	1
12	55898	ROPE—nylon	1	33	A-55998	SCREEN—air	1
13	55937	GRIP—starting	1			Includes	
14	55652	WASHER—thrust	2		*A-55999	BRACKET—w/55363-A bushing	1
15	A-57883	BALL DRIVE	1	34	56497	SPRING—recoil	1
		Includes		35	80579	SCREW—10-32 x 3/8 pan hd.	6
16	57792	PLATE—ball drive	1	36	71603	COVER—spring housing	1
16A	73525	WASHER—formica	1	37	71588	SHIM—plastic	as req'd
17	30355-1	BALL—steel	3	38	55597-2	PULLEY	1
18	74221	SLEEVE	2	39	83004	WASHER—#6 lock	4
19	57796	RETAINER—ball	1	40	80475	SCREW—6-32 x 3/4 fil. hd.	4
20	80464	SCREW—5-40 x 5/16 flat hd.	3	41	AA-73234-1	COVER—pulley	1
21	A-58047	HUB	1				

\*Assemble to screen with 85073 rivet.

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Assemble Governor Rod and Spring as Shown

FIGURE 2 IGNITION AND GOVERNOR PARTS

Index No.	Part No.	Description	No. Required	Index No.	Part No.	Description	No. Required
1	57579-A	ROTOR	1	18	57744	BOX—breaker w/core	1
2	57560	SLEEVE—insulating	1	19	55980	CLAMP—dust cover	1
3	60929	GROMMET	2	20	80576	SCREW—10-32 x 1/16 pan hd.	6
4	55235-A	LEAD—high tension	1	21	56292-A	WASHER—sealing	1
5	A-55373-A	TERMINAL (sparky)	1	22	55161	CLAMP—outer	1
6	A-57716	SWITCH (on-off)—mount on adapter	1	23	55962	CLAMP—inner	1
		Includes		24	80598	SCREW—6-32 x 5/16 flat hd.	2
7	55879	PLATE—on-off)	1	25	55986-A	COIL (with terminals)	1
8	A-57734	LEAD—ground (with sleeve, terminals, grommet & cover)	1	26	83046	WASHER—#10 lock	3
9	A-58222	GOVERNOR	1	27	80595	SCREW—10-24 x 1/2 fil. hd.	1
		Includes		28	80660	SCREW—10-24 x 7/8 fil. hd.	2
	84066	WASHER—governor arm burr	1	29	55987	CONDENSER (with terminal)	1
10	55943	ARM—governor	1	30	57750	SCREW GROUP—condenser fastening	1
11	58035	SPRING	1	31	A-58165	POINTS (set)—with pivot post	1
		Includes				Includes	
12	80575	SCREW—8-32 x 1/4 pan hd.	3	32	55984	WICK—Felt	1
13	75078	KEY—rotor	1	33	55983	WASHER—terminal	1
14	A-57697	BACKPLATE	1	34	57733	TAB—ground terminal	1
		Includes		35	55982	NUT—terminal	1
15	56134	SEAL—garlock	1	36	57749	SCREW GROUP—point fastening	1
16	57533	BEARING—needle	1	37	55978-2	GASKET—dust cover	1
17	57719	CLAMP—ground lead	1	38	55979	COVER—dust	1

**\*SPECIAL TOOLS**

Combination Wrench #22808 supplied with saw

AA-22560	MAGNETO ROTOR REMOVER ASSEMBLY	23391-1	ASSEMBLY TOOL—needle bearing
A-23696	REMOVER—threaded spider	23267	ANVIL—sprocket shaft assembly
23136	BODY—assembling fixture	22828	PLIERS—for Tru-arc ring (piston)
23232	SLEEVE (for garlock seal)	22726	PLIERS—for Tru-arc ring (sprocket)
22820-1	ADAPTER—bearing assembling	22126	WRENCH—socket screw (conn. rod)
A-23137	JACKSCREW ASSEMBLY	A-23809	NEEDLE BEARING TOOL (conn. rod)
22812-1	PLATE—shaft aligning	23228	PLUG—bearing assembly
23233	GARLOCK SEAL ASSEMBLY		

\*When ordered only.

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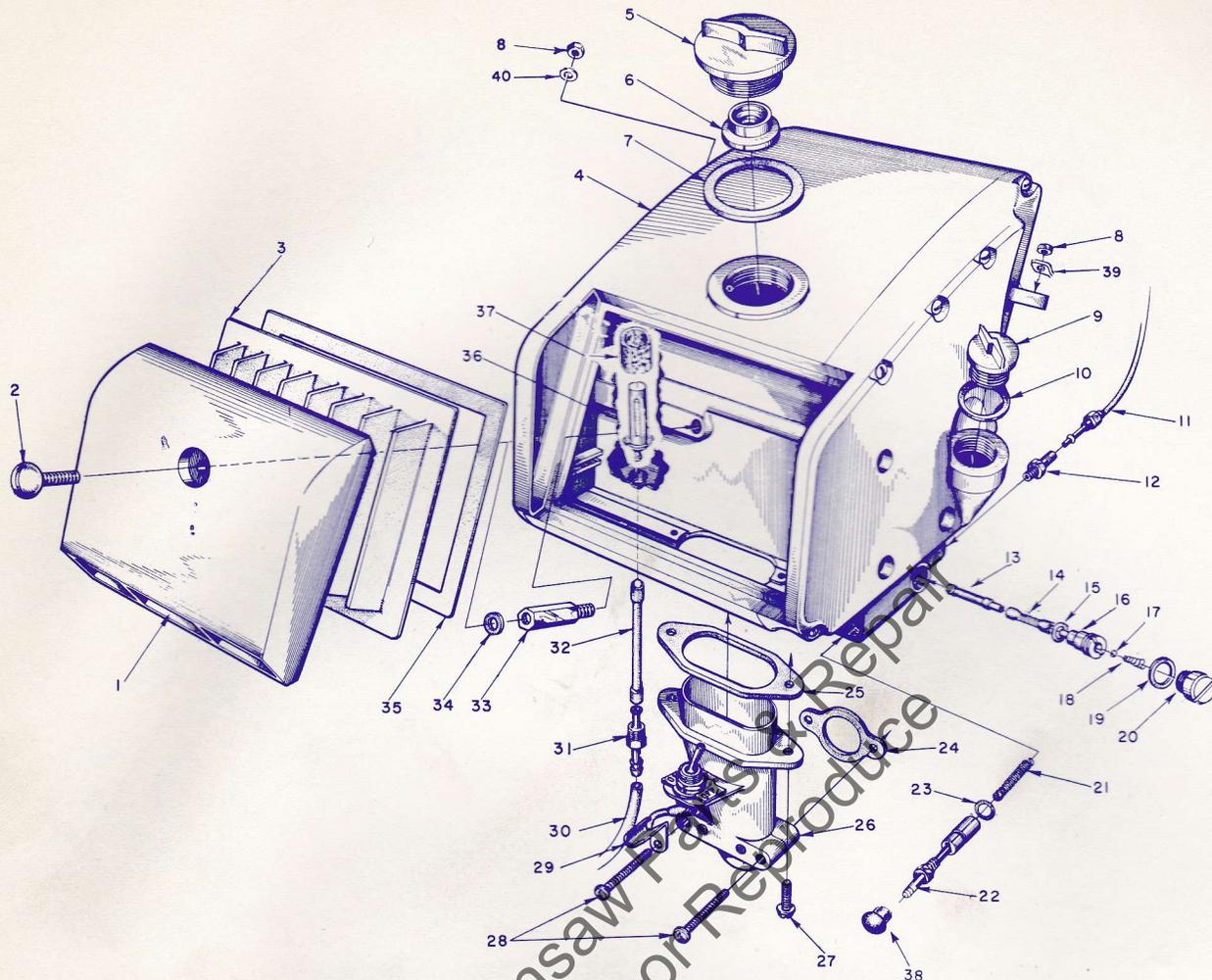


FIGURE 3 — FUEL TANK

Index No.	Part No.	Description	No. Required	Index No.	Part No.	Description	No. Required
1	A-57696-A	COVER—air filter	1	17	25527	BALL—check	1
		Includes		18	59022	SPRING—check valve	1
2	57994	SCREW—cap	1	19	55107	GASKET	1
	81163	NUT—screw retaining (not shown)	1	20	AA-55167	CAP—oil supply line	1
	57900	DECAL—HOMELITE Starter		21	59293	SPRING—plunger	1
3	58036	ELEMENT—air filter	1	22	A-57834-8	PLUNGER—oil	1
		Includes				includes	
4	A-57692	FUEL TANK	1	23	74388	"O" Ring	1
	56400	DECAL—"Homelite" (fuel tank)	1	24	72971-2	GASKET—air elbow	1
5	A-56907	CAP—fuel	1	25	57659	GASKET—adapter	1
		Includes		26	57618	ADAPTER—air filter	1
6	56865	VALVE—relief	1	27	80572	SCREW—10-32 x 5/8 pan hd.	2
7	56335	GASKET	1	28	80841	SCREW—10-32 x 1 1/8 pan hd.	2
8	81114	NUT—flex-lock, 1/4-28	2	29	58169	CLAMP—switch cover	1
9	A-56580	CAP—oil filter	1	30	55680	LINE—fuel	1
		Includes		31	57652	FITTING—fuel outlet	1
10	56607	GASKET	1	32	55805	SLEEVE—flexible	1
11	AA-55191	LINE—oil	1	33	57996	INSERT—adapter	1
12	AA-59456	VALVE—check	1	34	57991	GASKET—insert	1
13	A-59449	PICK-UP—oil	1	35	57993	GASKET—cement to tank	1
14	59000	SLEEVE—flexible	1	36	A-59251	BODY—fuel strainer w/brass nail	1
15	55110	GASKET	1			includes	
16	59450	SEAT—check ball	1	37	59253	FILTER—felt	1
				38	57289-1	BUTTON	1
				39	59348	WASHER—flat	1
				40	84020	WASHER—flat	1

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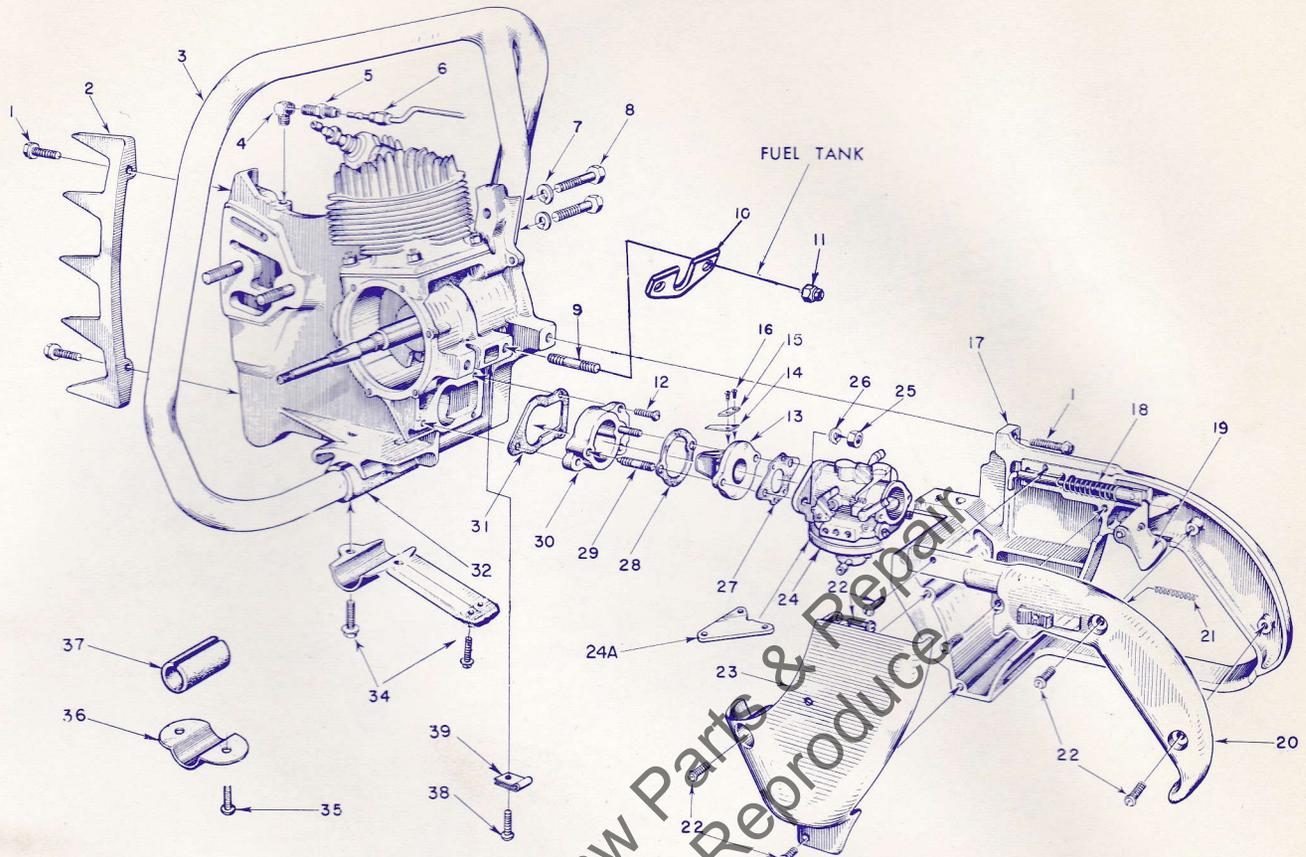


FIGURE 4 — HANDLE, GRIP AND REED VALVE PARTS

Index No.	No. Part	Description	No. Required
1	80573	SCREW— $\frac{1}{4}$ -20 x $1\frac{3}{8}$ hex hd.	5
2	55103	PLATE—bumper	1
3	A-59475	HANDLE—wrap-around (w/80308 screw)	1
	A-59474	HANDLE—flush cut	1
4	31734	ELBOW—connector	1
5	31733-1	ADAPTER—straight	1
6	*	LINE—chain oil (see fig. #3, index #11)	1
7	83003	WASHER— $\frac{3}{16}$ lock	2
8	80087	SCREW— $\frac{3}{16}$ -18 x $1\frac{1}{2}$ hex hd.	2
9	*	STUD—fuel tank (see fig. #6, index #17)	2
10	59347	STRAP	2
11	81130	NUT— $\frac{1}{4}$ -28 flex lock	2
12	80583	SCREW—10-32 x $\frac{3}{4}$ pan hd.	3
13	55932	ADAPTER—reed valve	1
14	55941-1	REED	4
15	55942	PLATE—reed	4
16	80658	SCREW—4-40 x $\frac{3}{16}$ pan hd.	8
17	AA-55281	GRIP—pistol w/pin and 55372 felt	1
18	A-55954	ROD—throttle	1
		Includes	
	55045-A	SPRING	1
19	AA-55207	TRIGGER—Throttle	1
20	AA-55228	COVER—pistol grip	1
		Includes	
	AA-55282	LOCK—throttle	1

Index No.	Part No.	Description	No. Required
		Includes	
21	72970	SPRING—lock	1
22	80560	SCREW—8-32 x $\frac{1}{2}$ pan hd.	7
23	55104-3	SHIELD—carburetor	1
24	A-59401	CARBURETOR ASSEMBLY—Tit. No. HL-181-A	1
24A	A-59070*	BRACKET—governor spring	1
	59503	REPAIR KIT—carburetor	1
	57919	GASKET SET—carburetor	1
25	81013	NUT— $\frac{1}{4}$ -20 hex	2
26	83009	WASHER— $\frac{1}{4}$ lock	2
27	55553-3A	GASKET—carburetor	1
28	55946	GASKET—reed adapter	1
29	55945	STUD	2
30	55933	SPACER—reed adapter	1
31	55116	GASKET	1
32	55146	CUSHION—handle	1
33	55145	CLAMP—handle, drive case	1
34	80581	SCREW— $\frac{1}{4}$ -20 x $\frac{5}{8}$ hex hd.	4
35	80821	SCREW—12-24 x $\frac{5}{8}$	2
36	56282-A	CLAMP—handle, fan, housing	1
37	56281	CUSHION—handle	1
38	80629	SCREW—pan hd., 8-32 x $\frac{3}{16}$	1
39	57947	CLAMP—lead	1

\* 23818 CARBURETOR PARTS LIST

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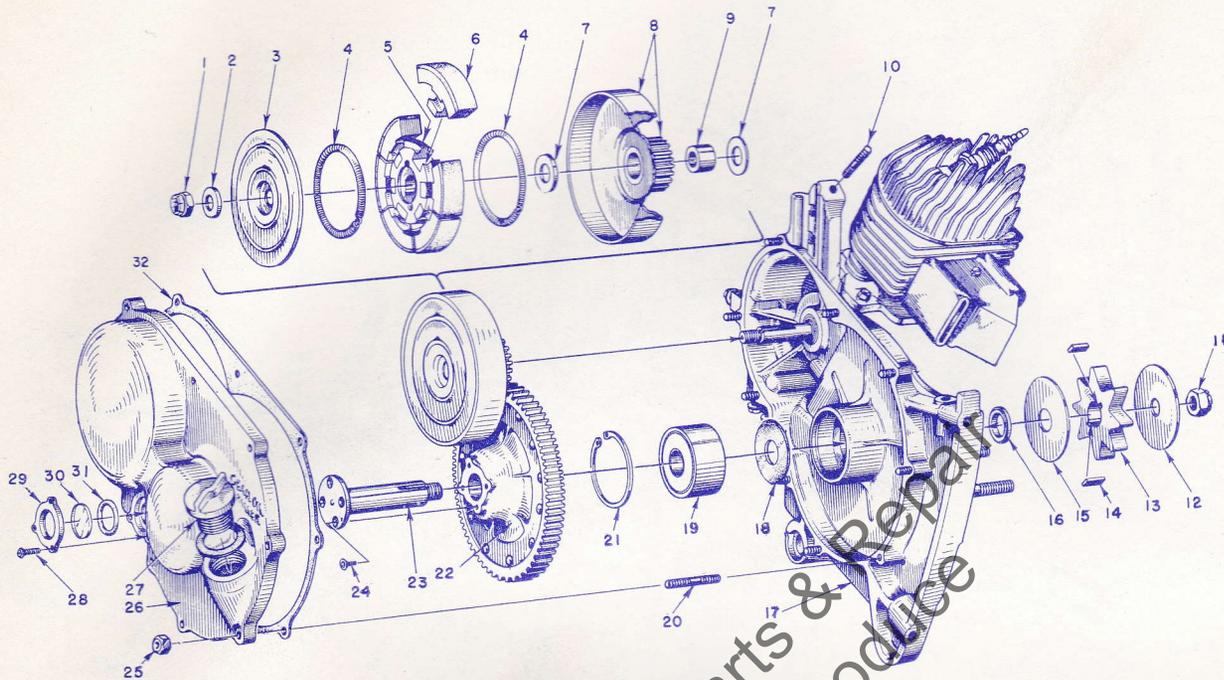


FIGURE 5 — GEAR CASE AND SPROCKET PARTS

2.84:1 Gear Ratio

Index No.	Part No.	Description	No. Required
1	81192	NUT — 3/8-24 flex-lock	1
2	55036	WASHER — clutch	1
3	58023	COVER — clutch	1
4	55123-C	SPRING	2
5	58547-2	SPIDER	1
6	A-58028	SHOE	6
7	56132	WASHER — thrust	2
8	†A-58259	CLUTCH DRUM (and drive gear) — 25 teeth	1
9	56133	BEARING — drive gear	1
10	55871	STUD — fuel tank	1
11	81101	NUT — 1/2-20 flex-lock	1
12	56077	WASHER — sprocket (outer)	1
13	55593-2	SPROCKET — 8 tooth, 1/2" pitch	1
14	56076-1A	KEY — sprocket	2
15	56074	WASHER — sprocket (inner)	1
16	56071	SPACER — sprocket	1
17	*	CRANKCASE	1

Index No.	Part No.	Description	No. Required
18	56072	SEAL — formica	1
19	56219-S	BEARING — ball	1
20	57350	STUD — crankcase to cover	9
21	28922	RING — retaining	1
22	‡A-56516	DRIVEN GEAR — 71 teeth	1
23	56070	SHAFT — sprocket	1
24	80651	SCREW — 12-28 x 3/8 flat hd., socket	4
25	81109	NUT — 10-32, flex-lock	9
26	AA-55226-C	COVER — gear case	1
		Includes	
27	A-56580	CAP — oil filler	1
		.Includes	
	56607	GASKET — filler cap	1
28	80548	SCREW — binder hd., self tapping	3
29	55098	PLATE — window	1
30	55099	WINDOW — plastic	1
31	55100	GASKET — "O" ring	1
32	55053-B	GASKET — gear case cover	1

\*A-57743-B — for breakdown see fig. #6, index #11

†For 3.57:1 ratio, order A58260—21 teeth

‡For 3.57:1 ratio, order AA-56824—75 teeth

\*\*For 7 tooth, 3/16" pitch sprocket, order 74481-1

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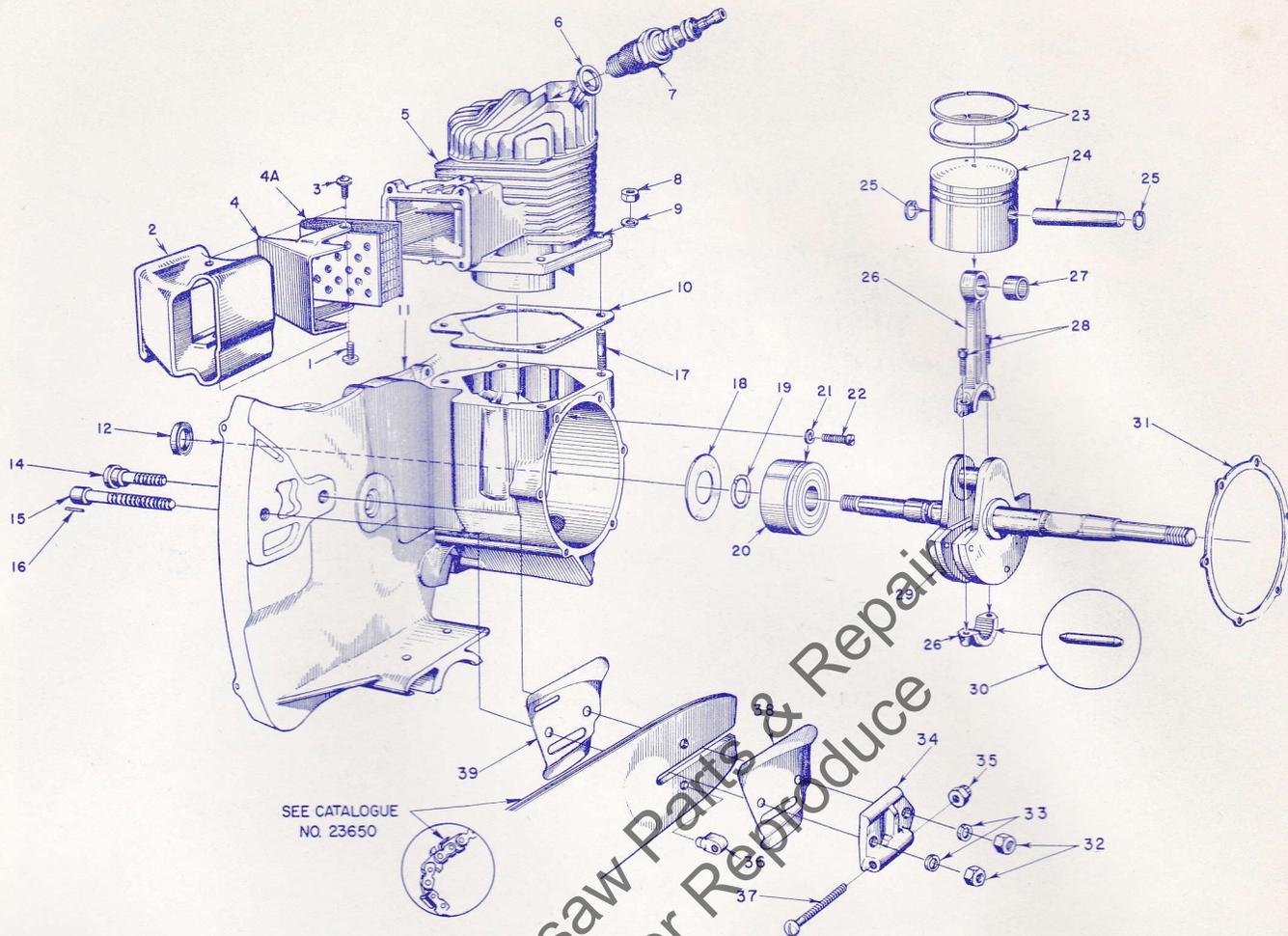


FIGURE 6 — ENGINE ASSEMBLY

Index No.	Part No.	Description	No. Required	Index No.	Part No.	Description	No. Required
1	80576	SCREW—10-32 x 1/16 pan hd.	1	20	56097-S	BEARING—main	1
2	55506-A	DAMPER	1	21	83061	WASHER—lock, special thin	2
3	80583	SCREW—10-32 x 3/8 pan hd.	1	22	19238-A	SCREW—main bearing retaining	2
4	56396	CAP—plain	1	23	56291	RING—piston	2
4 A	A-56068-A	ELEMENT—wire screen	1	24	A-59459	PISTON and PIN	1
5	57365-A	CYLINDER	1			Includes	
6	25038	GASKET (included with spark plug)	1	25	55095	RING—piston pin retaining	2
7	71530-S	SPARK PLUG—Champion HO-8A	1	26	* A-58303-A	CONNECTING ROD	1
8	81065-2	NUT—1/4-28 hex	4			Includes	
9	83009	WASHER—1/4 lock	4	27	** 59351	BEARING—piston pin	1
10	56864	GASKET—cylinder	1	28	58095	SCREW—10-32 x 1/16, allen	2
11	A-57743-B	CRANKCASE	1	29	A-58890-B	CRANKSHAFT—Ball Drive STARTER	1
		Includes		30	AA-72206	ROLLERS (set of 31 needles)	1
12	56134	SEAL—garlock	1	31	55049	GASKET—back plate	1
13	58020	BOLT—guide bar (short)	1	32	81089-2	NUT—3/8-16 hex	2
14	57625-A	BOLT—guide bar (long)	1	33	83018	WASHER—3/8 lock	2
15	41738	PIN—spiral, guide bar bolt	1		A-55591	ADJUSTING PLATE	1
16	55871	STUD—cylinder, fuel tank	7			Includes	
17	57350	STUD—cover (see fig. #5, index #20)	9	34	55551-B	PLATE—adjusting	1
18	55048-A	GASKET—crankcase sealing	1	35	81123	NUT—flex-lock	1
19	56109	RING—bearing retaining	1	36	55552	PIN—guide bar adjusting	1
				37	80617	SCREW—3/16-18 x 2 rd. hd.	1
				38	56957-A	PLATE—guide bar (outer)	1
				39	56956	PLATE—guide bar (inner)	1

\* SUPERSEDES A-58303 CONNECTING ROD

\*\* 55196 BEARING

A-56558 Heat Damper Kit—Available on order

A-55900 Heat Damper Kit—Available on order

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# HOMELITE SPECIFICATIONS

WEIGHT, ENGINE ONLY	22 lbs.
HANDLE BAR TYPE	flush-cut or wrap-around type completely covered with non-slip vinyl
CHAIN OILER TYPE AND CAPACITY	positive manual, 6 oz. reservoir
DRY FUEL TANK CAPACITY	48 ounces
MAGNETO	high tension — water and dust proof with protected coil
SPARK PLUG TYPE AND GAP	Champion HO8A, .025"
THROTTLE CONTROL	trigger in handle
BEARINGS	needle and ball bearings
CARBURETOR	Tillotson all position diaphragm with integral fuel pump and fuel strainer
INTAKE VALVE	four reed pyramid
ENGINE TYPE	single cylinder, two cycle, loop scavenged
BORE	2 3/16"
STROKE	1 35/64"
DISPLACEMENT	5.8 cubic inches
IGNITION TIMING	34° B.T.D.C. Static
BREAKER POINT SETTING AND LOCATION	.015" — protected in sealed box under the rotor
ENGINE SPEED	no load 7500, load 6000/6500
CHAIN SPEED UNDER LOAD	2.00 to 1 ratio — 2000 f.p.m. 2.84 to 1 ratio — 1408 f.p.m. 3.57 to 1 ratio — 1120 f.p.m.
CLUTCH ENGAGING SPEED AND TYPE	2600 RPM — 6 shoes double spring centrifugal
FUEL AND MIXTURE	automotive regular grade 1/2 pint per gallon (16:1) with Homelite 2 cycle oil
BAR SIZES	16, 19, 23, 28, 33, 38, 44, 50, 60, 72
ATTACHMENTS	clearing, utility and bow guides
CHAIN	1/2" pitch
SPROCKET	8 tooth, 1/2" pitch
FUEL FILTER	all position felt pick-up in fuel tank wire mesh screen in carburetor
AIR FILTER	micro mesh
MUFFLER	wire screen



PART NO 23799

JM464

## HOMELITE

A **Textron** DIVISION

PORT CHESTER, NEW YORK