

VOL. III.

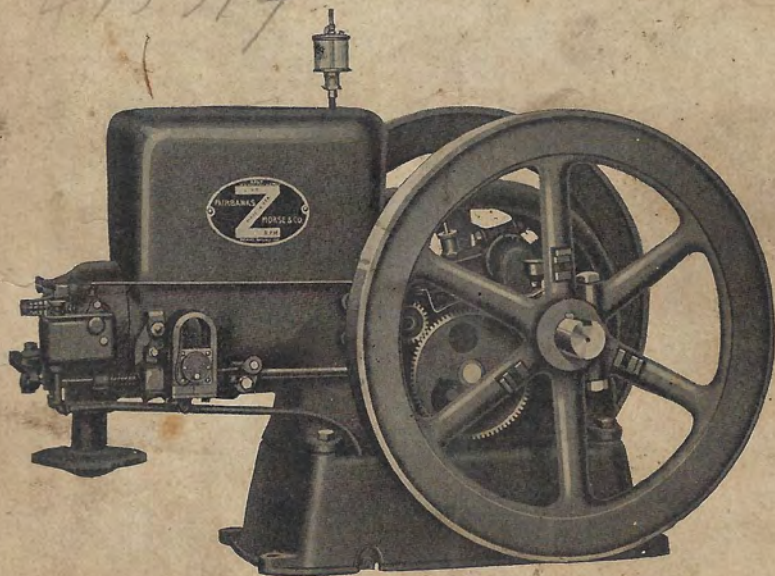
REPAIR PRICE LIST No. 9625B

Fairbanks-Morse

1 1/2, 3 and 6 H. P. Type "Z" Engines

With

SUMTER OSCILLATING MAGNETO

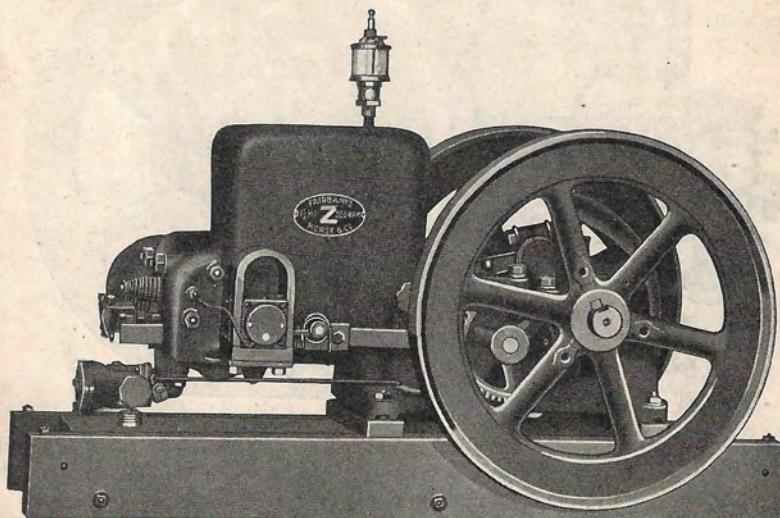


3 H. P. "Z" Engine with Sumter Oscillating Magneto. (3371G)

FAIRBANKS, MORSE & CO.

FAIRBANKS-MORSE

1½ H. P. "Z" ENGINE WITH
SUMTER OSCILLATING MAGNETO

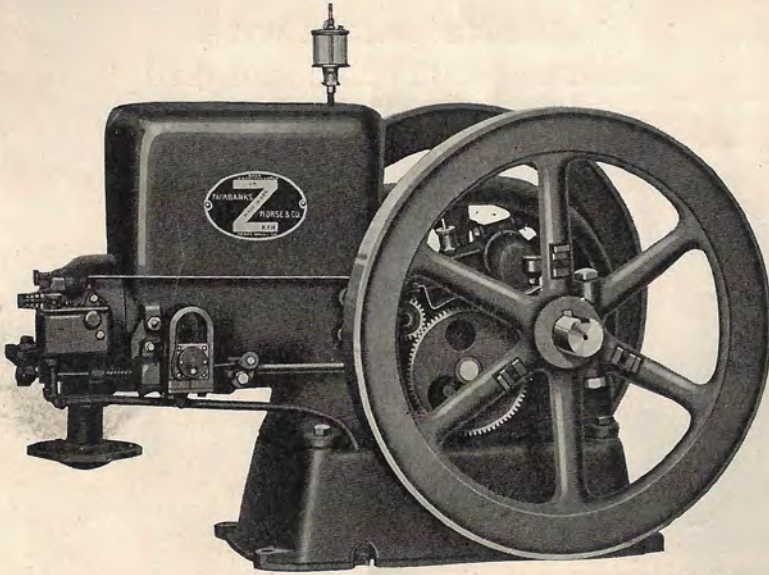


This shows the 1½ H. P. Throttling Governor Engine with Sumter Oscillating Magneto. Built on engine Number 345865 and 361679 to 394467, inclusive, except Number 394460.

On this type of engine it will be noted that the oscillating magneto is located on a bracket attached to the cylinder head.

FAIRBANKS-MORSE

3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO



(3371G)

This shows the 3 and 6 H. P. "Z" engines with Sumter oscillating Magneto.

3 H. P. engines from 268918 to 393879, inclusive.

6 H. P. engines from 267230 to 392387, inclusive.

On this type of engine it will be noted that the oscillating magneto is located on a bracket attached to the cylinder, near the cylinder head. Below will be found a brief description of the changes made in these engines affecting repairs.

Cylinder Heads

Effective on 3 H. P. engine #290867.

Effective on 6 H. P. engine #319858.

The cylinder head and fuel pump lever (66) were changed to put the pump lever on the outside of the exhaust rod, therefore a new pump lever (66A) will be furnished with head ordered for an engine previous to these numbers. (See group 3-C, page 9.)

Water Throttle Fitting

Effective on 3 G. P. engine #318498.

This feature was omitted on the 3 H. P. engine, but was continued on the 6 H. P. Repairs will be furnished as shown in group 217-C, page 24.

REPAIR PRICE LIST

FOR

1½, 3 AND 6 H. P. "Z" ENGINES WITH

SUMTER OSCILLATING MAGNETO

To insure obtaining the proper parts without delay, give the complete description of the part, or parts, wanted as shown in the following example:

- | | | |
|--|--|------------------------|
| 1. Quantity of parts wanted,
"one." | 4. Size of engine "1½ H. P." | Description
of Part |
| 2. Repair number, "1A." | 5. Type of engine "Magneto
Equipped." | |
| 3. Name of part, "cylinder." | 6. Engine serial number "576189." | |

The repair order, in this case, should read: "One 1A cylinder for 1½ H. P. magneto equipped engine, serial number 576189." **Repair Order**

Important.—The most important items of the above information are the repair number and the engine serial number. The latter is stamped on the hopper of the engine. **Engine Serial**

How to Use the Repair List and the Repair Charts.

The first column at the left of each page shows the repair numbers of all complete groups and all separate parts, arranged in numerical order. **Numerical Arrangement**

The repair number, when shown in bold-faced type and followed by a dash and the letter "C" (indicating complete), is a group number which covers all the items to the next horizontal line. **Complete Group**

The second column from the left contains the repair numbers of all of the parts included in each of these groups. **"Group Part" Column**

Parts, which are followed by the words "always with," are **not** furnished separately, but only with the parts included within the brackets. **Bracketed Group**

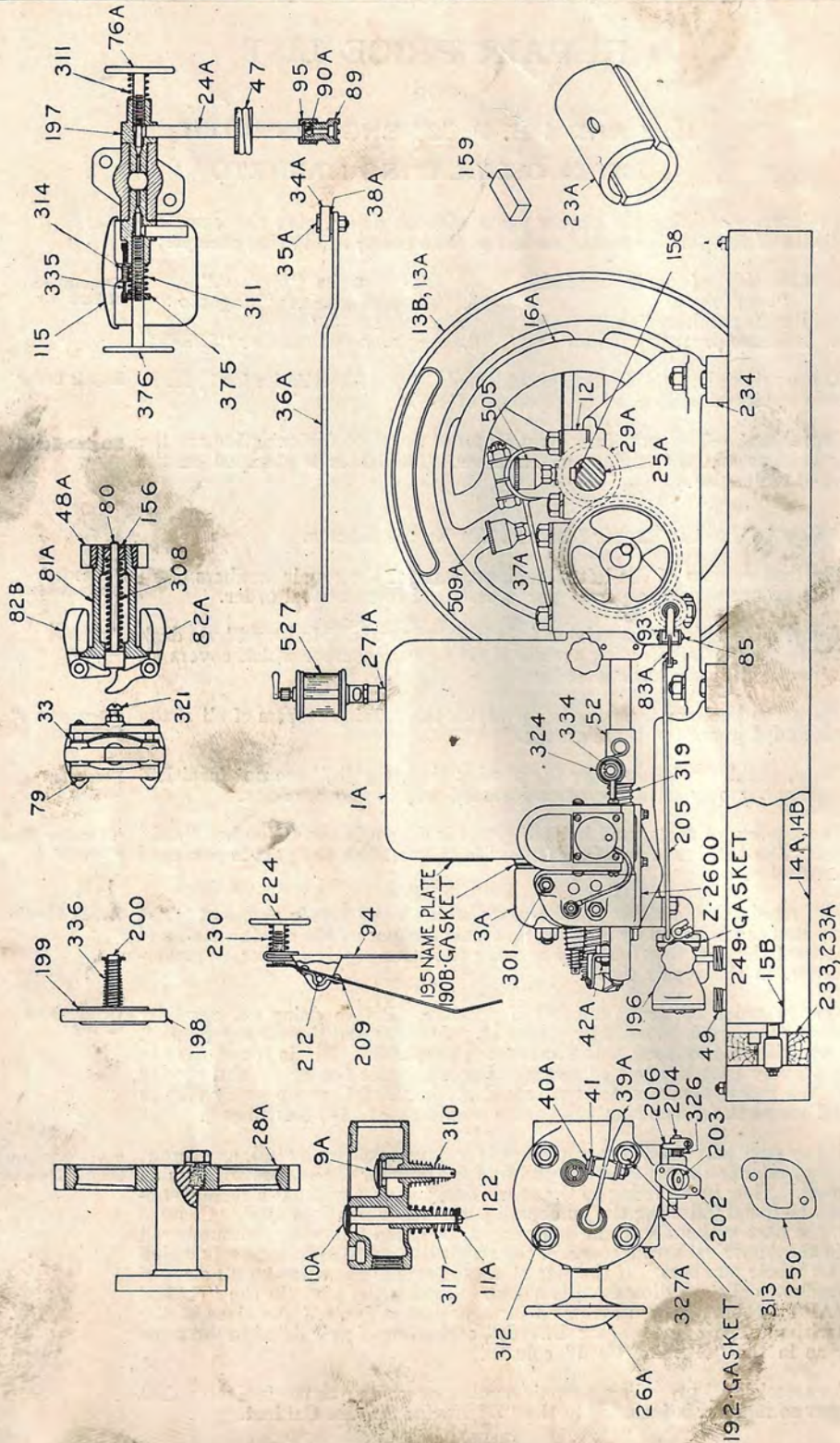
The number of parts used in each group is shown in the "Number Used" column. The **total** number of parts used is shown when the part is arranged in numerical order. **"Number Used" Column**

The repair charts show all the parts which have repair numbers. The part wanted can be found by locating its repair number on the repair chart, and the name of the part then found by locating the same repair number, in numerical order, in the repair list. **Repair Charts**

Always order by group number if possible. Before doing so, carefully check over the group to make sure that all parts included therein are wanted, for they will be furnished unless otherwise specified. If it is found that in a group every part but one or two are wanted, order the group and specify "less" the repair numbers not wanted; e. g., in the 5-C group every part is wanted except the piston rings; the order should read: 5-C less rings 6. **Ordering by Groups**

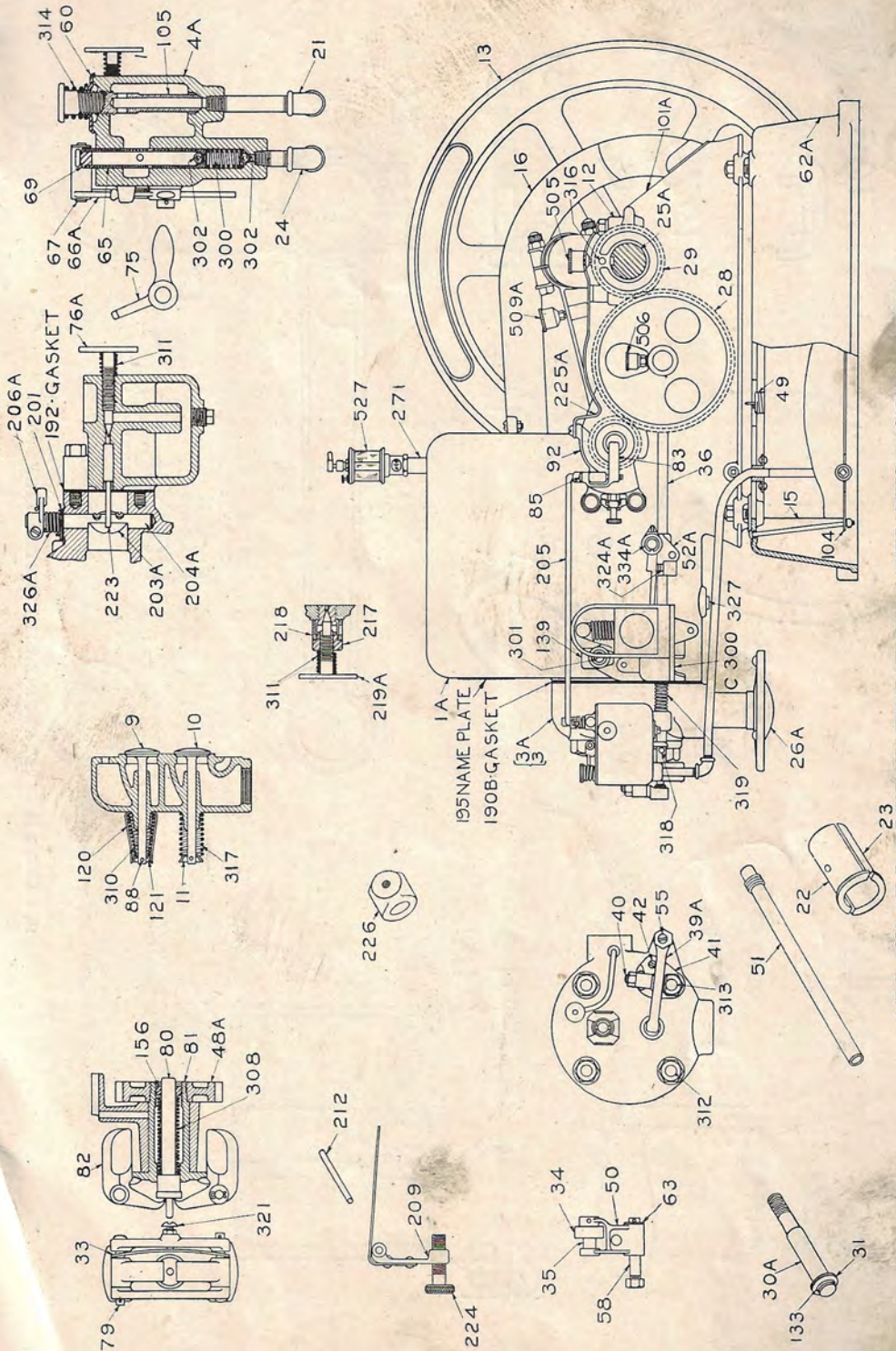
If any part without a repair number is wanted, such as a stud, cap screw, bolt, etc., refer to the repair chart and find the number of the part with which it is used. Then by referring to the repair list, the part without a repair number will be found following the numbered part with which it is used. In some cases, the part without a repair number will be found following the numbered part in the numerical arrangement of the repair list, when ordering parts which have no repair numbers. If the size of these parts is the same on all sizes of the product, only one dimension is shown following the part (in the "NAME OF PART" column) when arranged in numerical order. If the sizes of the parts without repair numbers are different, each dimension is listed in the same order as in the "Number Used" column. **Parts without Repair Numbers**

An asterisk (*) preceding a repair number or group number indicates that the part so marked is included in the "Z" Engine Service Cabinet.

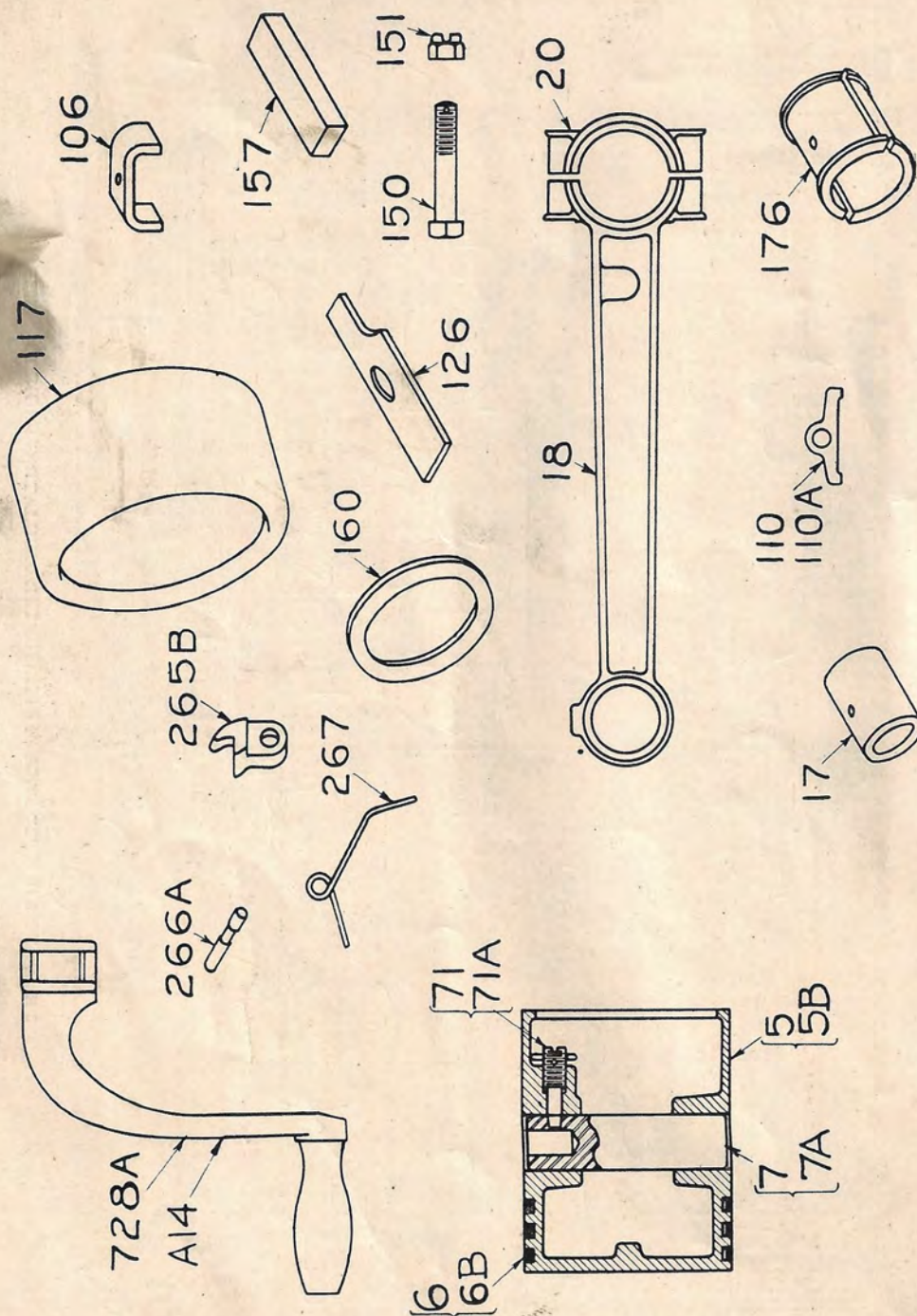


1½ H. P. "Z" ENGINE WITH SUMTER OSCILLATING MAGNETO

(50ZAA)



3 H. P. AND 6 H. P. "Z" ENGINE WITH SUMTER OSCILLATING MAGNETO (50ZB4)



1½, 3 AND 6 H. P. "Z" ENGINE WITH SUMTER MAGNETO

(50B5)

1½, 3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO.

Repair Nos.		Before Ordering Repair Parts Read the Instructions on Page 5				1½ H. P.		3 H. P.		6 H. P.	
Arranged Numerically	Group Parts	NAME OF PART				Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each
1A-C	1A	1A-C Cylinder and Base.				1	ZA1	\$24.30	1	ZB1C	\$44.65
		Cylinder and Base.				1	DJ12		1	ZB12	
		Main Bearing Cap.				2	1" x 1½"		2	1" x 1½"	
		Main Bearing Cap Lock Washer.				4	1"		4	ZB126A	
		Main Bearing Cap Shim.				8	ZA126A		8	ZB126A	
		Cylinder Drain Plug.				1			1		
		Base Drain Plug.				1			1		
		Cylinder to Oscillator Stud.				4	1" x 3½"	23.15	1	ZB301	42.15
		Cylinder to Head Stud (short).							1	1" x 4½"	
		Cylinder to Head Studs (long).							1	1" x 5½"	
3-C	3	Name Plate.				1	ZA195		1	ZB195	
		Name Plate R. H. M. Screw.				2	#10-24x1/4"		2	#10-24x1/4"	
		Name Plate Washer.				2	2NPW		2	2NPW	
		Cylinder Oil Pipe.				1	1/4"x6½"		1	1/4"x10"	
		Cylinder Oil Pipe.									
		Main Bearing Liner, Upper (furnished in pairs only).									
		Main Bearing Liners, Lower (furnished in pairs only).									
		Main Bearing Liners (furnished in pairs only).				2 Pr.	ZA23	.58	1 Pr.	ZB23	1.26
		Cylinder Head Stud Nuts.				4	1"	.04	4	3/4"	.08
		Cylinder Head Stud.									
3-C	3	3A-C Cylinder Head.									
		Previous to 3 H. P. engine # 290867.									
		Previous to 6 H. P. engine #319858.									
		Cylinder Head.									
		Fuel Pump Lever.									
		Butterfly Valve.									
		Suction Valve.									
3-C	3										

(Group continued on next page)

Repair Price List—1½ H. P., 3 H. P., 6 H. P. "Z" Engines

1½, 3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO.

Repair Nos.	Group Parts	NAME OF PART Before Ordering Repair Parts Read the Instructions on Page 5	1½ H. P.		3 H. P.		6 H. P.	
			Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each
3A-C	10-C 217-C	(Group continued from preceeding page)						
		Exhaust Valve.....						\$ 0.91
3A	{ 3A 42A 327A 203A-C 9-C 9A-C 10-C 10A-C 217-C 202-C 41-C 192	Water Throttle Fitting.....						1.20
		3A-C Cylinder Head.....	1		\$11.50	1		17.50
		Effective on 3 H. P. engine #290867.						
		Effective on 6 H. P. engine #319858.						
		Cylinder Head, always with.....	1	ZA3	7.50	1	ZB3G	14.30
		Cylinder Head to Oscillator Stud.....	2	$\frac{3}{8}'' \times 3\frac{1}{2}''$				
		Cylinder Head to Valve Rocker Bracket Stud.....	1	$\frac{3}{8}'' \times 2\frac{1}{8}''$				
		Cylinder Head Drain Plug.....						
		Butterfly Valve.....						
		Suction Valve.....						
		Suction Valve.....	1	9A-C	.46	1	203A-C 9-C	1.06
		Exhaust Valve.....				1	10-C	.91
		Exhaust Valve.....	1	10A-C	.53			
		Water Throttle Fitting.....						
		Butterfly Valve Casing.....	1	202-C	1.98	1	217-C	1.20
4A-C	{ 4A 223 60	Exhaust Valve Rocker Bracket.....	1	41-C	.95			
		Valve Casing Cap Screw.....	2	$\frac{3}{8}'' \times \frac{3}{4}''$	.02			
		Valve Casing Gasket.....	1	ZA192	.02			
		Valve Rocker Stud Nut.....	2	$\frac{3}{8}'' \times \frac{3}{4}''$	.02			
		Valve Rocker Stud Nut Lockwasher.....	1		.02			
		Engine to sub-base machine bolt.....	4	$\frac{1}{2}'' \times 5\frac{1}{2}''$	.06			
		Engine to sub-base machine bolt Nut.....	4	$\frac{1}{2}''$	.04			
		Engine to sub-base lockwasher.....	4	$\frac{1}{2}''$	.02			
		Engine to sub-base cap screw.....				4	$\frac{1}{2}'' \times 1\frac{3}{4}''$	.08
		4A-C Reservoir.....						
4A	{ 4A 223 60	Reservoir Body—always with.....	1	ZB4F	6.60	1	ZC4B	6.70
		Reservoir Nozzle and Bushing.....	1	ZC223		1	ZC223	
		Reservoir Drain Plug.....	1	$\frac{1}{4}''$	4.50	1	$\frac{3}{8}'' \times \frac{5}{8}''$	4.60
		Reservoir Lock Out Lever Cotter.....	1	$\frac{3}{8}'' \times \frac{5}{8}''$		1	ZB60B	
4A	{ 4A 223 60	Reservoir Cover.....	1	ZB60B	.06	1		.06

Wm. Harvey engine - 621.P
#458357

[illegible]

1½, 3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO.

Repair Nos.		Before Ordering Repair Parts Read the Instructions on Page 5		1½ H. P.		3 H. P.		6 H. P.	
Arranged Numerically	Group Parts	NAME OF PART		Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each
18-C		18-C Connecting Rod.....		1	DJ18	\$ 5.50	1	ZB18	\$ 7.55
18		Connecting Rod, always with.....		1	DJ17		1	ZB17	
		Connecting Rod Piston Pin Bushing.....		1	DJ20	4.25	1	ZC20	7.35
		Connecting Rod Cap.....		1	DJ10		1	ZC10	
		Connecting Rod Shims (thick) price per Set.....		4	DJ110	.04	4	ZC110	.04
		Connecting Rod Shims (thin) price per Set.....		2	DJ110A	.08	2	ZC110A	.08
		Connecting Rod Bolts with cotter.....		2	DJ150	.17	2	ZC150	.29
		Connecting Rod Castellated Nut.....		2	1" SAE	.06	2	1" SAE	.11
		Connecting Rod Bolt Cotter.....		2	3/8" x 3/4"		2	3/8" x 1 1/4"	
		Connecting Rod Crank Pin Liner (halves).....		1 Pr.	DJ176	.68	1 Pr.	ZC176A	1.90
20		Connecting Rod Cap.....		1	DJ20	1.14	1	ZC20	1.90
21		Fuel Overflow Pipe.....					1	ZC21	
		Fuel Overflow Pipe Nipple.....					1	1" x 2 1/8"	
		Fuel Overflow Pipe Elbow.....					1	1" x 1 1/8"	.42
22		Main Bearing Liner, Upper (furnished in pairs only).....					1 Pr.	ZB23	1.26
23		Main Bearing Liner, Lower (furnished in pairs only).....					1 Pr.	ZB23	1.26
23A		Main Bearing Liner (furnished in pairs only).....		2 Pr.	ZA23	.58	1 Pr.	ZC23	1.90
24A		Fuel Suction Tube (not furnished separate).....		1	ZA24				
24		Fuel Suction Pipe.....					1	ZB24	
		Fuel Suction Pipe Nipple.....					1	1" x 1"	
		Fuel Suction Pipe Elbow.....					1	1" x 1"	.38
25A		Crankshaft.....		1	ZAA25	5.75	1	ZCA25	16.25
26A-C		26A- Silencer.....		1	ZA26	.61	1	ZC26A	1.03
26A	26A	Silencer base.....		1	DJ27	.61	1	ZC27A	1.03
		Silencer Cap.....		1			3		
		Silencer Rivet.....		1	ZA98		1	ZC98	
		Silencer Nipple.....		1					

Repair Price List—1½ H. P., 3 H. P., 6 H. P. "Z" Engines

1½, 3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO.

Repair Nos.		Before Ordering Repair Parts Read the Instructions on Page 5		1½ H. P.		3 H. P.		6 H. P.	
Arranged Numerically	Group Parts	NAME OF PART		Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each
37A-C 37A	94	37A-C Cam Gear Bracket.....		1		\$19.15			
		Cam Gear Bracket.....		1	ZA37A	6.65			
		Speed Regulator Bracket.....		1	ZA94	.38			
		Speed Regulator Bracket R. H. M. Screw.....		2	14/20 x ½	.02			
		Speed Regulator Bracket Lockwasher.....		2	¼"	.02			
	93	Governor Lever Bracket.....		1	ZA93A	.25			
		Governor Lever Bracket R. H. M. Screw.....		2	14/20 x ¾	.02			
		Governor Lever Bracket Lockwasher.....		2	¼"	.02			
	83	Governor Lever.....		1	ZA83	.49			
		Governor Lever Fulcrum Pin.....		1	#319	.02			
	28A	Cam Gear.....		1	28A	2.95			
	36A-C	Exhaust Rod.....		1	36A-C	4.40			
	81A-C	Governor Spindle.....		1	81A-C	3.30			
	209-C	Speed Regulator.....		1	209-C	.55			
	212	Speed Regulator Fulcrum Pin.....		1	ZA212	.02			
		Speed Regulator Fulcrum Pin Cotter.....		1	1/8" x 3/8"	.02			
		Cam Gear Bracket Cap Screw.....		2	1/2" x 1 1/4"	.04			
		Cam Gear Bracket Lockwasher.....		2	1/2"	.02			
38A		Exhaust Roller Pin Washer.....		1	ZA38	.04			
39A-C 39A	55	39A-C Exhaust Valve Rocker Arm.....							
		Exhaust Valve Rocker Arm.....		1	ZB39F	\$ 1.01	1	ZC39A	\$ 1.01
		Exhaust Valve Rocker Arm Headless Set Screw.....		1	3/8" x 1 1/2"	.91	1	3/8" x 1 1/2"	.91
		Exhaust Valve Rocker Arm Jam Nut.....		1	1/2"	.04	1	1/2"	.04
		Exhaust Valve Rocker Arm Lockwasher.....		1	1/2"	.04	1	1/2"	.04
						.02			.02

Repair Price List—1½ H. P., 3 H. P., 6 H. P. "Z" Engines

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9625B

39A	Exhaust Valve Rocker	1	ZA39	.57	1	ZB40C	.29	1	ZC40	.29
40	Exhaust Valve Rocker Arm Fulcrum Pin	1	ZA40	.10	1	3"	.04	1	1"	.04
40A	Exhaust Valve Rocker Arm Fulcrum Pin Nut	1	1 5/8"	.02	1			1		
	Exhaust Valve Rocker Arm Lockwasher	1	1 5/8"	.02	1	ZB41C	.68	1	ZC41	.76
41	Exhaust Valve Rocker Arm Bracket									
41-C	41-C Exhaust Valve Rocker Bracket									
41	Exhaust Valve Rocker Bracket	1		.98						
39A	Exhaust Valve Rocker Arm	1	ZA41	.27						
40A	Exhaust Valve Rocker Arm	1	ZA39	.57						
	Exhaust Valve Rocker Arm Fulcrum Pin	1	ZA40	.10						
	Exhaust Valve Rocker Arm Fulcrum Pin Nut	1	1 5/8"	.02						
	Exhaust Valve Rocker Arm Lockwasher	1	1 5/8"	.02						
42	Exhaust Valve Rocker Arm Bracket Dowel	1	3" x 2 3/8"	.06	1	#614 Pin	.04	1	#614 Pin	.04
42A	Exhaust Valve Rocker Bracket Stud	2	3/8"	.02						
47	Exhaust Valve Rocker Bracket Stud Nut	1	ZA47	.04	1	ZB48A	1.01	1	ZB48A	1.01
48A	Fuel Suction Cap	1	ZA48	.61	1	ZB49	.06	1	ZB49	.06
49	Governor Gear									
	Fuel Tank Filler Cap									
50-C	50-C Exhaust Rod Rocker									
50	Exhaust Rod Rocker	1			1	ZB50A	2.30	1		2.50
	Exhaust Rod Rocker Fulcrum Pin	1			1	ZB58	1.40	1	ZC58	1.55
58	Exhaust Rod Rocker Fulcrum Pin Nut	1			1	1"	.34	1	1"	.38
63	Exhaust Rod Rocker Fulcrum Pin Washer	1			1	ZB63		1	ZB63	
34	Exhaust Rod Rocker Fulcrum Pin Cotter	1			1	3" x 1"		1	3" x 1"	
35	Exhaust Rod Rocker Roller	1			1	ZB34	.34	1	ZC34	.34
	Exhaust Rod Rocker Roller Pin	1			1	ZB35		1	ZC35	
	Exhaust Rod Rocker Roller Pin Cotter	1			1	3" x 1 1/4"	.23	1	3" x 1 1/4"	.23
51	Fuel Tank Filler Tube				1	ZC51	.19	1	ZC51	.19
52-C	52-C Oscillating Magneto Trip Carrier									
52	Oscillating Magneto Trip Carrier with	1	ZA52A	2.85						
	Oscillating Magneto Trip Fulcrum Pin	1	ZA333	.91						
	Oscillating Magneto Trip Fulcrum Pin Ring	1	ZB334	.04						
	Oscillating Magneto Trip Finger	1		1.87						
	Oscillating Magneto Trip Finger Torsion Spring	1	.890	.04						
52		52								
333		333								
334		334								
20669		20669								
324		324								

Repair Price List—1½ H. P., 3 H. P., 6 H. P. "Z" Engines

1½, 3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO.

Repair Nos.		Before Ordering Repair Parts Read the Instructions on Page 5				1½ H. P.		3 H. P.		6 H. P.		
Arranged Numerically	Group Parts	NAME OF PART		Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each
52A-C Oscillating Magneto Trip Carrier												
52A	{ 52A 333A 334A 324A	Oscillating Magneto Trip Carrier with.....		1	ZB52C	\$ 1.37	1	ZB52C	\$ 1.37	1	ZB52C	\$ 1.37
		Oscillating Magneto Trip Fulcrum Pin.....		1	ZB333	1.25	1	ZB333	1.25	1	ZB333	1.25
		Oscillating Magneto Trip Fulcrum Pin Ring.....		1	ZB334	.04	1	ZB334	.04	1	ZB334	.04
		Oscillating Magneto Trip Spring.....		1	#12	.04	1	#12	.04	1	#12	.04
		Oscillating Magneto Trip Carrier Screw.....		1	½" x ¾"	.04	1	½" x ¾"	.04	1	½" x ¾"	.04
55		Exhaust Valve Rocker Headless Set Screw.....		1	¾" x 1½"	.04	1	¾" x 1½"	.04	1	¾" x 1½"	.04
		Exhaust Valve Rocker Headless Set Screw Nut.....		1	1"	.04	1	1"	.04	1	1"	.04
58-C Exhaust Rod Rocker Fulcrum Pin												
58	58	Exhaust Rod Rocker Fulcrum Pin.....		1	ZB58	.34	1	ZB58	.34	1	ZC58	.38
		Exhaust Rod Rocker Fulcrum Pin Nut.....		1	¾"	.29	1	¾"	.32	1	¾"	.32
		Exhaust Rod Rocker Fulcrum Pin Washer.....		1	ZB63	.02	1	ZB63	.02	1	ZB63	.02
		Exhaust Rod Rocker Fulcrum Pin Cotter.....		1	¾" x 1"	.04	1	¾" x 1"	.04	1	¾" x 1"	.04
60 62A 63		Reservoir Cover.....		1	ZB60B	.06	1	ZB60B	.06	1	ZB60B	.06
		Sub-Base.....		1	ZB62C	7.70	1	ZB62C	12.60	1	ZC62C	12.60
		Exhaust Rod Rocker Fulcrum Pin Washer.....		1	ZB63	.04	1	ZB63	.04	1	ZB63	.04
65-C Fuel Pump Plunger												
65	65 302 69	Fuel Pump Plunger.....		1	ZB65C	.80	1	ZB65C	.80	1	ZB65C	.80
		Fuel Pump Plunger Ball.....		1	1"	.68	1	1"	.68	1	1"	.68
		Fuel Pump Plunger Cap.....		1	ZB69A	.04	1	ZB69A	.04	1	ZB69A	.04
66		Fuel Pump Lever (having bent arm) Previous to 3 H. P. engines #290867 Previous to 6 H. P. engines #319858										
	66	Fuel Pump Lever.....		1	ZB66E	.15	1	ZC66	.15	1	ZC66	.15

66A	Fuel Pump Lever (having straight arm) Effective on 3 H. P. engine #290867 Effective on 6 H. P. engine #319858	1	ZB66F	.15	1	ZC66A	.15
66A	Fuel Pump Lever	1	#424C $\frac{1}{16}'' \times \frac{3}{8}''$	.11	2	#424C $\frac{1}{16}'' \times \frac{3}{8}''$	.11
67	Fuel Pump Lever Pin	1	ZB69A	.08	1	ZB69A	.08
69	Fuel Pump Plunger Cap	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.04	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.04
71	Piston Pin Lock Pin	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.04	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.04
71	Piston Pin Lock Pin Headless Set Screw	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.04	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.04
71	Piston Pin Lock Pin Lockwasher	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.02	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.02
71	Piston Pin Lock Pin Lock Pin Note.—The above piston pin lock pin parts will not be sent for repairs but will be replaced by 71A with cotter.	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.06	1	DJ71A $\frac{1}{2}'' \times \frac{5}{8}''$ #10	.06
71A	Piston Pin Lock Pin—with Piston Pin Lock Pin Cotter	1	ZAA71A $\frac{1}{8}'' \times \frac{1}{2}''$	.06	1	ZAA71A $\frac{1}{8}'' \times \frac{1}{2}''$	.06
75	Fuel Pump Lever Lockout Lever	1	ZA76	.11	1	ZB75	.08
76A	Fuel Throttle Valve	1	ZA76	.11	1	ZC76	.11
79A	Governor Weight Fulcrum Pin	1	ZA76	.11	2	ZB79A	.11
80	Governor Weight Fulcrum Pin Cotter	1	ZA80	.38	4	$\frac{1}{16}'' \times \frac{3}{8}''$	.38
80	Governor Sleeve Pin with ZB86 ($1\frac{1}{2}$ H.P.)	1	ZA80	.38	1	ZB80E	2.13
81	Governor Hub	1	ZA80	.38	1	ZB81H	2.13
82	Governor Weight (furnish 82A and 82B on $1\frac{1}{2}$ H. P.)	2	ZA80	.19	2	ZB82E	.27
*81A-C	81A-C Governor Spindle.	1	ZAA81A1	3.30	1	ZAA81A1	3.30
81A	Governor Spindle with head	1	ZAA81A1	2.00	1	ZAA81A1	2.00
82A	Governor Sleeve Pin with pin head	1	ZAA82	.19	1	ZAA82	.19
82B	Governor Weight with Ball	1	ZAA82A	.19	1	ZAA82A	.19
82B	Governor Weight Plain	1	#919B	.08	1	#919B	.08
308A	Governor Weight Spring	1	#318	.08	1	#318	.08
79A	Governor Weight Pins	2	ZA156	.08	2	ZA156	.08
156A	Governor Weight Spring Adjusting Screw	1	ZA33	.10	1	ZA33	.10
33	Governor Weight Friction Spring	1	#10-24 x $\frac{3}{4}''$	.02	1	#10-24 x $\frac{3}{4}''$	.02
321	Governor Weight Friction Spring Screw	1	ZA48	.61	1	ZA48	.61
48A	Governor Pinion	1	ZA48	.61	1	ZA48	.61
48A	Governor Weight Friction Spring Nut	1	ZA48	.61	1	ZA48	.61

1½, 3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO.

Repair Nos.	Group Parts	Before Ordering Repair Parts Read the Instructions on Page 5				1½ H. P.			3 H. P.			6 H. P.		
		NAME OF PART				Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each
83		Governor Lever.....				1	ZA83	\$.49	1	ZB83B	\$.40	1	ZB83B	\$.40
83A		Governor Lever.....				1	#319	.02	1	ZB85C	.08	1	ZB85C	.08
85		Governor Lever Fulcrum Pin.....				1			2	1½" x ⅜"		2	1½" x ⅜"	
88		Suction Valve Spring Collar Pin.....				1	ZA89	.29	1	ZB88	.02	1	ZB88	.02
*89		Fuel Check Valve Body with.....				1	ZA91							
*90A		Fuel Check Valve Strainer.....				1	1½"	.02						
		Fuel Check Valve Ball.....				1								
92-C		92-C Governor Bracket.....												
92		Governor Bracket.....				1	ZB92G	8.00	1	ZB92G	8.00	1	ZB92G	8.00
		Governor Head.....				1	ZB81J	2.45	1	ZB81J	2.45	1	ZB81J	2.45
		Governor Pinion Shaft.....				1	ZB2581A	2.13	1	ZB2581A	2.13	1	ZB2581A	2.13
82		Governor Weights.....				2	ZB82E	.27	2	ZB82E	.27	2	ZB82E	.27
79		Governor Weights Fulcrum Pin.....				2	ZB79A	.11	2	ZB79A	.11	2	ZB79A	.11
		Governor Weights Fulcrum Pin Cotter.....				4	1½" x ⅜"		4	1½" x ⅜"		4	1½" x ⅜"	
33		Governor Weights Drag Spring.....				1	ZB33	.10	1	ZB33	.10	1	ZB33	.10
		Governor Weights Drag Spring Adjusting Screw.....												
		Governor Weights Drag Spring Adjusting Screw Nut.....				1	#10-24 x ⅝"	.02	1	#10-24 x ⅝"	.02	1	#10-24 x ⅝"	.02
308		Governor Weight Spring.....				1	1½"	.02	1	1½"	.02	1	1½"	.02
156		Governor Weight Spring Adjusting Screw.....				1	#763	.04	1	#763	.04	1	#763	.04
80		Governor Sleeve Pin.....				1	ZB156A	.08	1	ZB156A	.08	1	ZB156A	.08
83		Governor Lever.....				1	ZB80E	.38	1	ZB80E	.38	1	ZB80E	.38
85		Governor Lever Fulcrum Pin.....				1	ZB83B	.40	1	ZB83B	.40	1	ZB83B	.40
		Governor Lever Fulcrum Pin Cotter.....				2	ZB85C	.08	2	ZB85C	.08	2	ZB85C	.08
48		Governor Gear.....				1	1½" x ⅜"	1.01	1	1½" x ⅜"	1.01	1	1½" x ⅜"	1.01
209-C		Speed Regulator.....				1	ZB48A	.49	1	ZB48A	.49	1	ZB48A	.49
325		Speed Regulator Fulcrum Pin.....				1	#325	.04	1	#325	.04	1	#325	.04

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1½, 3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO.

Repair Nos.	Group Parts	Before Ordering Repair Parts Read the Instructions on Page 5	1½ H. P.		3 H. P.		6 H. P.	
			Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each
NAME OF PART								
126		Main Bearing Shims (price per set).....	8	ZAI26A	\$.08	8	ZBI26A	\$.08
133		Cam Gear Stud Spring Ring.....				1	ZBI33	.04
139		Oscillating Clamp.....				1	ZBI33A	.10
150		Connecting Rod Bolts with cotter.....	2	DJ150	.17	2	ZBI39A	.29
151		Connecting Rod Castellated Nut.....	2	¾"	.06	2	ZBI50	.11
156		Governor Spring Adjusting Screw.....	1	ZAI56	.08	1	ZBI56A	.08
157		Flywheel Key.....	1	#886	.06	2	ZBI57	.10
158		Flywheel Key, Governor Side.....	1	#1086	.08	2		
159		Crankshaft Pinion Key.....	1	#842	.02			
160		End Thrust Washer.....	2	DJ160	.04	2	ZBI60	.04
*176		Crank Pin Liner (halves).....	1 Pr.	DJ176	.68	1 Pr.	ZBI76 / 176	1.03
*190B		Cylinder Head Gasket.....	1	ZAA190A	.38	1	ZBA190A1	.48
192		Reservoir Gasket.....	1	ZA192	.02	1	ZBI92	.02
195		Name Plate.....	1	ZA195	.11	1	ZBI95	.19
195A		Name Plate R. H. M. Screw.....	2	#10-24 x ¼"	.02	2	#10-24 x ¼"	.02
		Name Plate Washer.....	2	2NPW	.02	2	2NPW	.02
196-C Air Suction Fitting.								
196		Air Suction Fitting, always with.....	1	ZA196	3.80			
197		Throttle Valve Seats.....	1	ZAA197				
114		Starting Reservoir.....	2	ZAI14				
115		Starting Reservoir Cover.....	1	ZAI15	2.70			
314		Starting Reservoir Cover Spring.....	1	#892A				
335		Starting Reservoir Cover Pin.....	1	#29				
124		Starting Fuel Tube.....	1	ZAI24				
76A		Fuel Throttle Valve.....	1	ZA76	.11			
311		Fuel Throttle Valve Spring.....	1	#888	.06			
376		Starting Fuel Throttle Valve.....	2	ZA376A	.11			
375		Starting Fuel Throttle Valve Nut.....	1	ZA375A	.04			
89-C		Fuel Check Valve.....	1	89-C	.67			
47		Fuel Suction Opening Cap.....	1	ZA47	.04			

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1½, 3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO.

Repair Nos.	Group Parts	Before Ordering Repair Parts Read the Instructions on Page 5	1½ H. P.			3 H. P.			6 H. P.		
			Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each
205		Governor Pull Rod with.....	1	ZA205	\$.23	1	ZB205B	\$.34	1	ZC205	\$.38
		Governor Pull Rod Cotter.....	2	1½" x ⅜"		2	1½" x ⅜"		2	1½" x ⅜"	
		Governor Butterfly Valve Shaft Lever.....	1	ZA206							
		Governor Butterfly Valve Shaft Lever R. H. M. Screw.....	1	#10-24 x ⅜"	.38	1	ZB206B	.44	1	ZB206B	.44
206A		Governor Butterfly Valve Shaft Lever.....				1	#10-24 x ⅜"		1	#10-24 x ⅜"	
		Governor Butterfly Valve Shaft Lever R. H. M. Screw.....				1			1		
209-C		209-C Speed Regulator.....	1		.55	1		.49	1		.49
		Speed Regulator Lever—with.....	1	ZA209		1	ZB209F		1	ZB209F	
		Speed Regulator Leaf Spring.....	1	ZA222	.34	1	ZB222A	.34	1	ZB222A	.34
		Speed Regulator Leaf Spring Rivet.....	2	1½" x 1"		1	1½" x ⅜"		1	1½" x ⅜"	
212		Speed Regulator Screw.....	1	1½" x 1"	.15	1	ZB224	.15	1	ZB224	.15
		Speed Regulator Screw Spring.....	1	#888	.06						
217-C		Speed Regulator Fulcrum Pin.....	1	ZA212	.02	1	#325	.02	1	#325	.02
		Speed Regulator Fulcrum Pin Cotter.....	1	1½" x ⅜"							
218		217-C Water Throttle Fitting.....									
		Water Throttle Fitting.....	1			1	ZB217B	1.20	1	ZB217B	1.20
		Water Throttle Tube.....	1		.65	1	ZB218B	.65	1	ZB218B	.65
		Water Throttle.....	1		.30	1	ZC219	.30	1	ZC219	.30
219A		Water Throttle Spring.....	1		.19	1	#784	.19	1	#784	.19
					.06			.06			.06
223		Fuel Nozzle and Bushing.....									
		Speed Regulator Adjusting Screw.....	1	1½" x 1"	.15	1	ZC223	.10	1	ZC223	.10
		Gear Guard with Bracket.....				1	ZB224	.15	1	ZB224	.15
		Gear Guard R. H. M. Screw.....				1	ZC225A	.29	1	ZC225A	.34
226		Exhaust Rocker Return Spring Collar.....				1	#14-20 x 1½"	.02	1	#14-20 x 1½"	.02
		Exhaust Rocker Return Spring Collar Set Screw.....				1	ZB226B	.30	1	ZB226B	.30
							3/8" x 5/8"			3/8" x 5/8"	
		Speed Regulator Adjusting Screw Spring.....	1	#888	.06						

1 $\frac{1}{2}$, 3 AND 6 H. P. "Z" ENGINES WITH SUMTER OSCILLATING MAGNETO.

Repair Nos.		Before Ordering Repair Parts Read the Instructions on Page 5				1 $\frac{1}{2}$ H. P.			3 H. P.			6 H. P.		
Arranged Numerically	Group Parts	NAME OF PART				Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each	Used	Symbol or Size	Price, Each
505		(Group continued from preceding page.)				2	#0	\$.15	2	#1	\$.19	2	#1	\$.19
506		Main Bearing Grease Cup.....							1	#000 x $\frac{1}{8}$ "	.08	1	#000" x $\frac{1}{8}$ "	.08
509A		Cam Gear Grease Cup.....				1	#0	.23	1	#1	.27	1	#1	.27
527		Connecting Rod Ratchet Grease Cup.....				1	48A32B	1.90	1	48A32B	1.90	1	48A53B	2.19
728A-C		Cylinder Oil.....												
728A		728A-C Starter Crank.....				1		1.14	1		1.52	1		1.90
	728A	Starter Crank.....				1	ZA728B		1	ZB14		1	ZC14	
	265B	Starter Crank Pawl.....				1	ZA265A	1.14	1	ZA265A	1.52	1	ZA265A	1.90
	266A	Starter Crank Pawl Pin.....				1	ZA266		1	ZA266		1	ZA266	
	267	Starter Crank Pawl Spring.....				1	ZA267A		1	ZA267A		1	ZA267A	
		This Group replaces Group 14-C for Starter Cranks.												
C-300		Oscillator Less Magneto.....				1			1	C-300		1	C-300	
Z-2600		Oscillator Less Magneto.....				1	Z-2600		1	#14 IMP		1	#14 IMP	
20800-C		Magneto Only.....				1	#14 IMP		1	#14 IMP		1	#14 IMP	