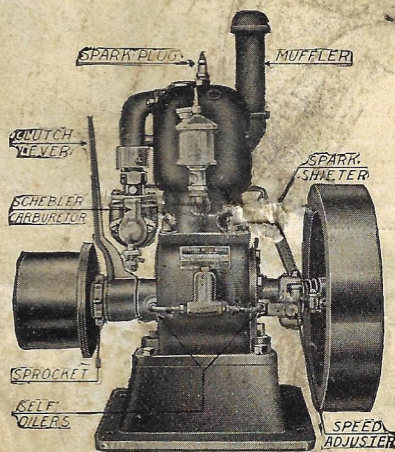


# 4 and 8 H.P.

# REPAIR LIST



## THE CUSHMAN MOTOR WORKS

Lincoln, Nebraska

# INSTRUCTIONS FOR ORDERING PARTS

Repairs are handled on cash basis—please send cash with the order and save C. O. D. charges.

Parcel Post C. O. D. shipments are insured. When damage or loss occurs, so indicate on the carrier's receipt before signing.

**KEEP THIS BOOK**—Another one will cost you 10 cents. Please refer to this book when ordering parts and order by number.

**RETURNED GOODS**—Any parts returned to factory for repair, duplication, exchange or credit, must be **PREPAID**. Write us what you wish done as soon as the part is mailed in—Don't forget to show your name and address on returned shipments.

To insure correct shipment of parts we must have **ENGINE NUMBER AND MODEL**.

DT indicates parts used in connection with special potato digger engines.

SC indicates parts used in connection with Dixie magneto and starter coupling.

Interchangeable parts are listed under the same numbers in the 4HP and 8HP column.

**Important Instruction:—DO NOT OMIT the DASH in the following numbers—**For example 1 No. A1-15. Telegraph order should be written **ONE NUMBER A ONE DASH FIFTEEN**.

(Prices Subject to Change Without Notice.)

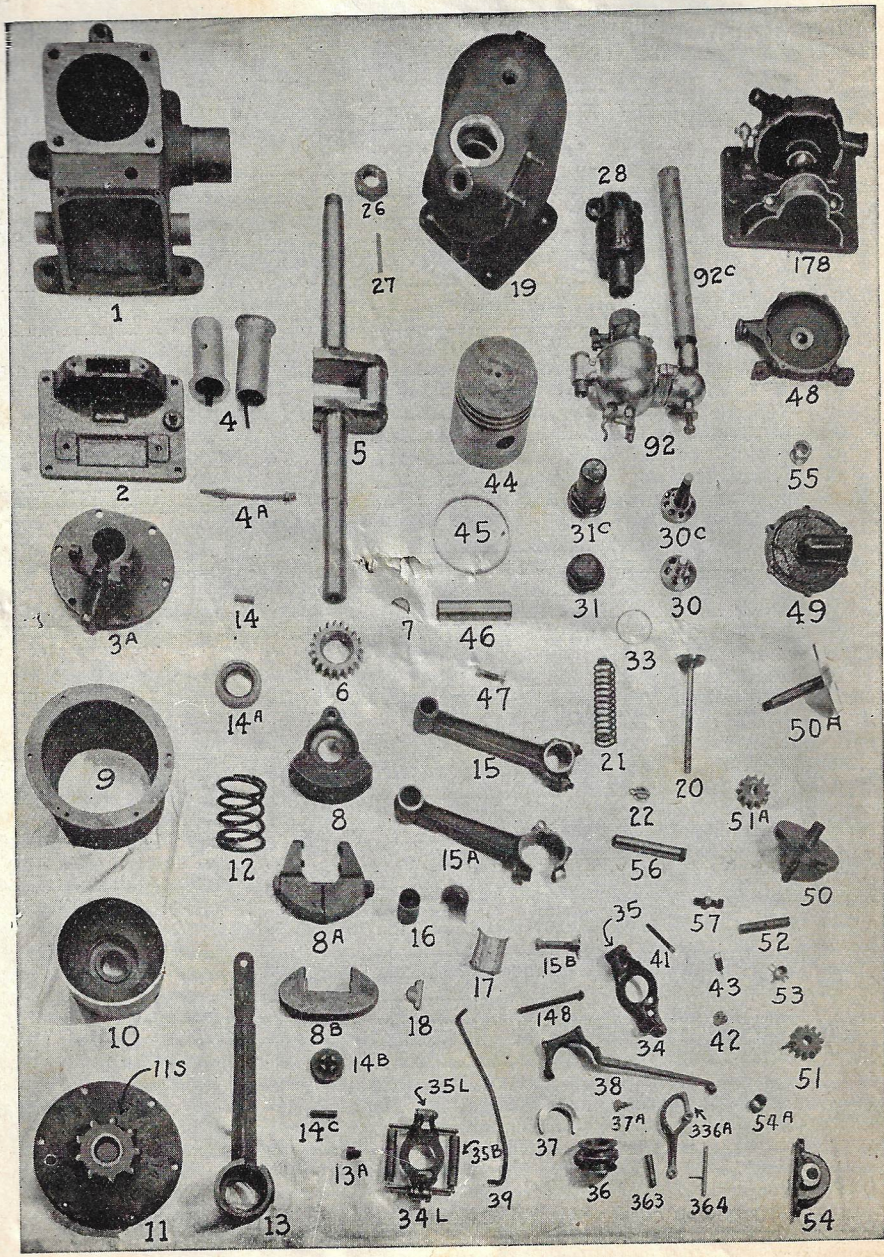
This repair list covers the following engines:

	Ignition	Cooling System
4 HP Model C.....	Battery or Magneto.....	Tank or Radiator
4 HP Unit.....	Bosch Magneto.....	Radiator
8 HP Model 44.....	Battery or Magneto.....	Tank or Radiator
8 HP Model 80.....	Battery or Magneto.....	Tank or Radiator
8 HP Unit Model 80.....	Bosch Magneto.....	Radiator
8 HP Model E.....	Wico Magneto.....	Tank or Radiator

Model 80 engine is equipped with oil pump. The first engine of this model is number 6500.

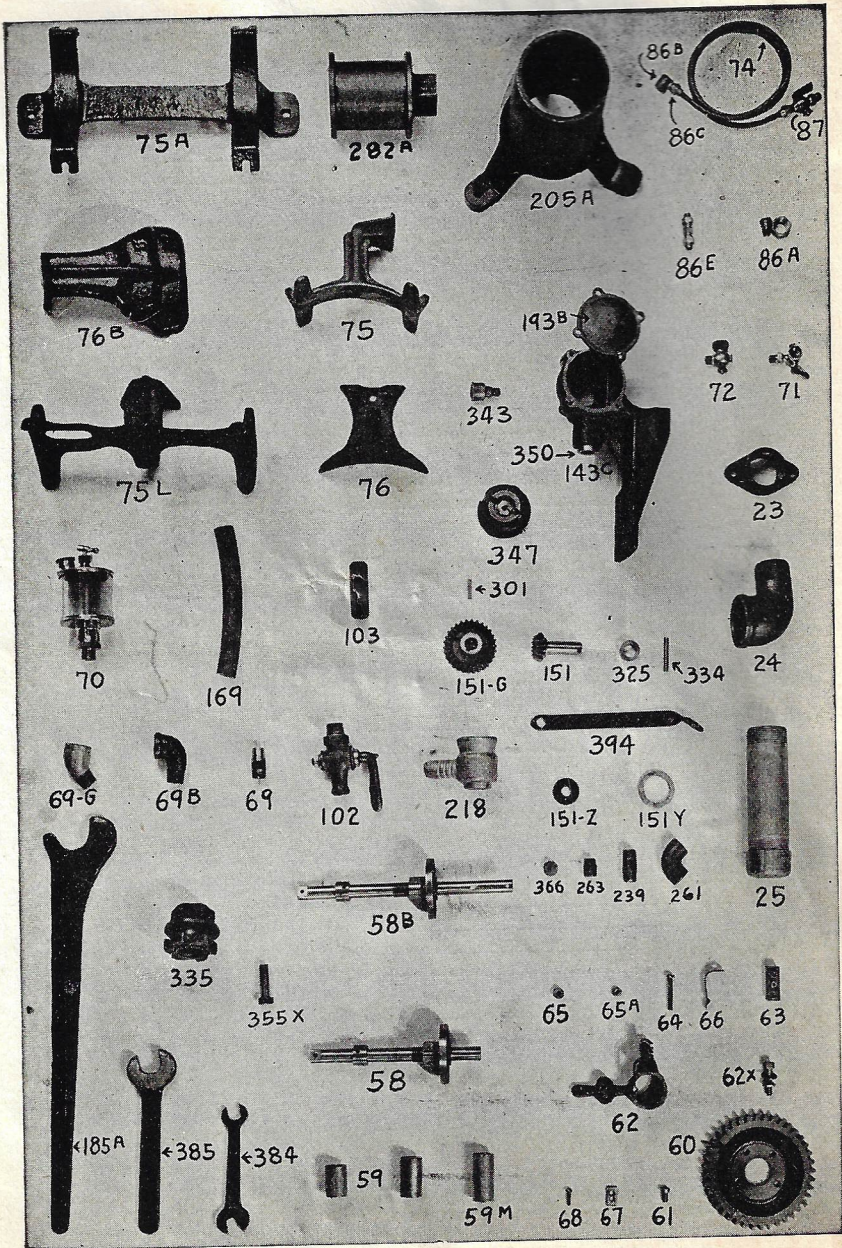
NAME OF PART	4 H.P.		8 H.P.	
	Part No.	Price	Part No.	Price
Crank Case.....	1	\$12.50	E1	\$15.00
Crank case-before 4HP No. U1414.....Unit	1-1	12.50		
Crank case-after 4HP No. 44054.....	2-1	12.50		
Crank case-after 4HP No. U1413.....Unit	3-1	12.50		
Crank case less sump.....Model 80			E1A	15.00
Crank case cap screw ½"x1½".....	1X	.10	1X	.10
Crank case gear cover.....	2	1.75	E2	3.00
Crank case gear cover-after engine 40614.....	2A	3.75		
Crank case gear cover.....Model 80			E2A	6.00
Crank case gear cover-before U957.....Unit	1-2	3.50		
Crank case gear cover-after U-957.....Unit	2-2	3.50		
Crank case gear cover cap screw (2) ¾"x1".....	2AX	.05		
Crank case gear cover cap screw ¾"x¾".....	2X	.05	2X	.05
Crank case gear cover cap screw ¾"x1¼".....	2-2X	.05		
Crank case side plate-All 4HP.....	3A	2.75		
Crank case side plate-DT.....	3D	2.75	EGD	7.00
Crank case side plate with bearing-Clutch side.....			E3	7.00
Crank case side plate with bearing-Gov. side.....			E3G	7.00
Rebabbiting crank case side plate.....				3.00
Crank case side plate cap screw ¾"x¾".....	3X	.05	3X	.05
Crank shaft bushing-specify which side.....	4	1.50		
<b>WE MUST HAVE ENGINE NUMBER WHEN ORDERING CRANK SHAFT</b>				
Crank shaft.....	5	10.00	E5	20.00
Crank shaft with gear.....	5A	12.25	E5A	22.25
Crank shaft-Hardie.....			E5H	20.00

NAME OF PART	4 H.P.		8 H.P.	
	Part No.	Price	Part No.	Price
Crank shaft with gear-Hardie.....			E5HA	\$22.25
Crank shaft-for E. L. engine.....	5L	10.00	E5L	20.00
Crank shaft with gear-for E. L. engine.....	5LA	12.25	E5LA	22.25
Crank shaft timing gear.....	6	2.00	E6	2.00
Crank shaft timing gear key.....	7	.05	7	.05
Counter weight-3HP.....	8	1.00		
Counter weight-before 4HP No. 5724.....	8A	1.00		
Counter weight.....	8B	.60	8B	.60
Counter weight screw-for 8B.....	8BX	.15	8BX	.15
Clutch pulley only.....	9	4.00	E9	6.00
Clutch pulley only special 6"x6".....	9A	6.00		
Clutch pulley only special 8"x4".....	9B	8.00		
Clutch pulley assembled complete see No. 147.....				
Clutch inside cone.....	10	2.00	E10	5.00
Clutch inside cone set screw.....	10X	.05	E10X	.25
Clutch cover with bearing and sprocket.....	11	3.25	E11	6.00
Clutch cover with bearing and 11 tooth sprocket for D433 chain.....	11A	3.25		
Clutch cover with bearing and 15 tooth sprocket for D433 chain.....	11B	4.00		
Clutch cover bearing cannot be furnished separate. Return cover to be rebabbitted.....		1.00		1.50
Clutch sprocket only-4HP 9 tooth, 8 HP 15 tooth.....	11S	1.25	E11S	1.75
Clutch cover screw.....	11X	.05	11X	.05
Clutch spring.....	12	.30	12	.30
Clutch shifter.....	13	1.25	E13	1.25
Clutch shifter after engine 44045.....	13A	1.25		
Clutch shifter with handle-before U1414 Unit.....	A13	1.25		
Clutch shifter with handle-after U1413 Unit.....	A13A	1.25		
Clutch shifter set screw.....	13X	.10	13X	.10
Clutch key.....	14	.05	E14	.15
Clutch ball bearing.....	14A	1.25	14A	1.25
Clutch washer.....	14B	.10		
Clutch washer stud.....	14C	.15		
Connecting rod-3HP with upper bushing and studs.....	15	5.00		
CONNECTING RODS No. 15A and 15C ARE OBSOLETE ORDER 1-15 or A1-15				
Connecting rod with upper bushing only.....	15A	5.00	15A	5.00
Connecting rod complete with bushings fitted and reamed.....	15C	6.50	15C	6.50
Connecting rod with cap and upper bushing, new style using (4) 5/16"x1 3/4" bolts.....	1-15	5.00	1-15	5.00
Connecting rod-new style-assembled with bushings and bolt-fitted and reamed.....	A1-15	6.50	A1-15	6.50
Connecting rod bolt and nut-for 15A.....	15AX	.25	15AX	.25
Connecting rod bolt and nut-for 1-15.....	15BX	.10	15BX	.10
Connecting rod bushing-PE.....	16	.50	16	.50
Connecting rod bushing-CE-reamed-pair.....	17	1.00	17	1.00
Connecting rod shims, set for 15A.....	18	.15	18	.15
Connecting rod shims, set for 1-15.....	1-18	.15	1-18	.15
Cylinder with exhaust valve ground in.....	19	14.00	E19	25.00
Cylinder with all valves complete.....	19A	16.50	E19A	30.00
Cylinder with exhaust valve ground in Unit.....	1-19	16.00	5-19	25.00
Cylinder with all valves complete Unit.....	A1-19	18.50	A5-19	30.00
Regrinding cylinder to .015 or .030 oversize Net.....		4.00		8.00
Exhaust valve guides will be bushed if necessary at an additional charge of \$2.00 each net. (See No. 44B for .015 oversize piston.)				
Cylinder flange cap screw 5/8"x1 1/4".....	19X	.15	19X	.15
Exhaust valve.....	20	1.00	20	1.00
Exhaust valve 1/64" oversize.....	20R	1.00	20R	1.00
Exhaust valve spring.....	21	.20	E21	.20
Starter Crank Spring.....	16-21	.05	16-21	.05
Exhaust valve washer and pin.....	1-22	.05	1-22	.05



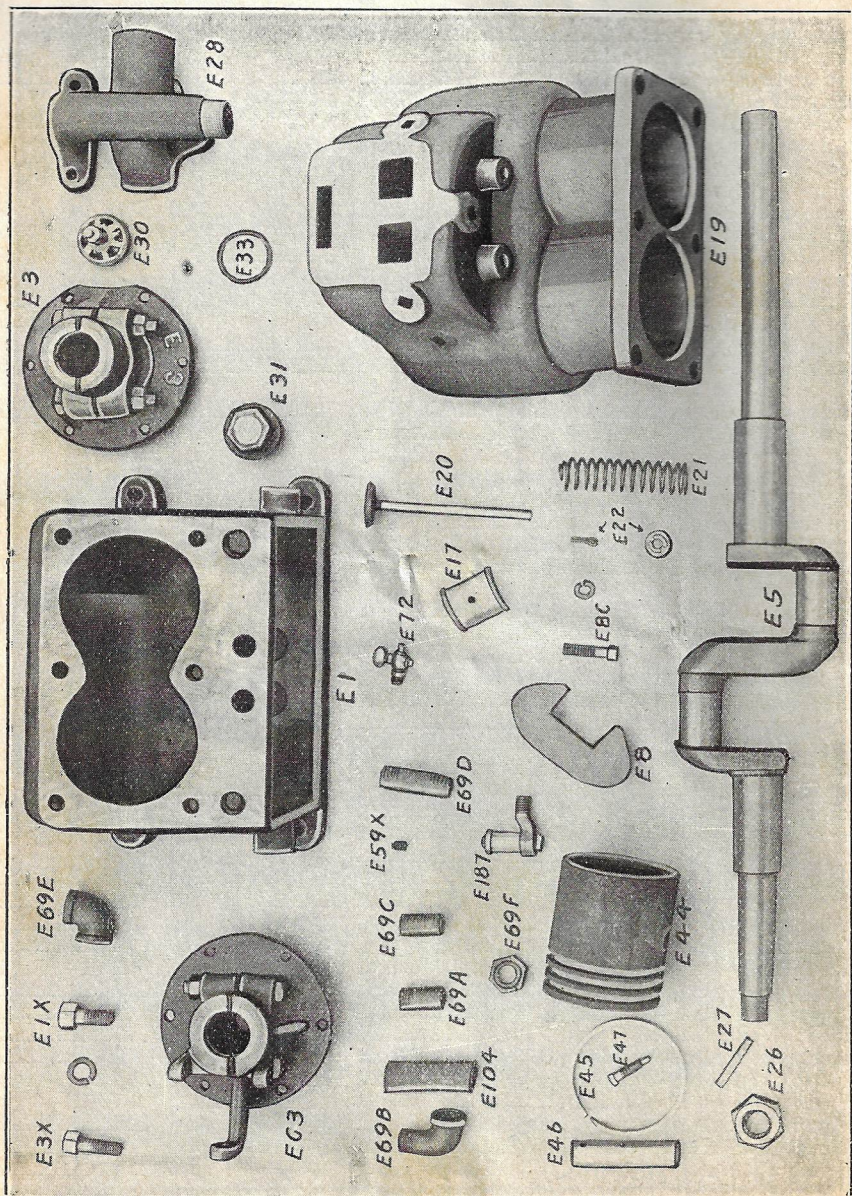
NAME OF PART

NAME OF PART	4 H.P.		8 H.P.	
	Part No.	Price	Part No.	Price
Exhaust flange-for old style cylinder.....	23	\$ .35		
Exhaust elbow .....	24	.50	24	.50
Exhaust pipe with cap .....	25	.60	25	.60
Exhaust pipe with cap order 3-158.....Unit				
Flywheel nut-LH .....	26	.30	26	.30
Flywheel nut—RH after 4HP No. 32045 8HP No. 3569.....	26A	.30	26A	.30
Flywheel key.....	27	.05	27	.05
Intake Pipe.....	28A	1.00	E28A	2.00
Intake Pipe.....	28B	1.00		
Intake pipe for Kingston .....			E28B	2.00
Intake pipe for Schebler..... Model 80			2-28	2.00
Intake pipe stud bolt and nut.....	28X	.15	E28X	.15
Welsh expansion plug-1 1/8" for cylinder.....	29	.05	29	.05
Welsh expansion plug-1 3/8" for 2A, E2A.....	29A	.05	29A	.05
Intake valve-high style-not used on 4HP unit...	30C	2.00	30C	2.00
Intake valve-low style order A2-125.....				
Intake valve plug-used with low valve.....	1-31	.50	1-31	.50
Intake valve plug-used with high valve.....	31C	.50	31C	.50
Intake valve plug-with release plunger-low style	A1-31L	2.00	A1-31L	2.00
Intake valve plug-with release plunger-high style	31L	2.00	31L	2.00
Intake valve spring-high style.....	32C	.15	32C	.15
Intake valve spring-low style.....	32D	.10	32D	.10
Intake valve gasket.....	33	.05	33	.05
Governor frame with weights.....	34	1.00	34	1.00
Governor frame screw.....	34X	.05	34X	.05
Governor weight .....	35A	.25	35A	.25
Governor collar .....	36	.75	36	.75
Governor half collar.....	37	.60	37	.60
Governor blocks-2 required.....	1-37	.10	1-37	.10
Governor set screws-for 37 or 1-37.....	37A	.10	37A	.10
Governor arm .....	38	.75	38	.75
Governor link rod.....	39	.50	E39	.50
Governor link rod-Kingston..... Model 80			E39A	.50
Governor link rod-Schebler..... Model 80			1-39	.50
Governor tension screw.....	41	.15	41	.15
Governor tension nut.....	42	.15	42	.15
Governor tension spring.....	43	.05	43	.05
Pistons can be supplied .001 to .005 oversize....				
Also semi-finished-up to .050 oversize. Price same as finished piston.				
Piston .015 oversize.....	44B	3.50	44B	3.50
Piston and connecting rod assembled.....	44C	13.00	44C	13.00
Piston only .....	44D	3.50	44D	3.50
Piston with rings.....	44E	5.00	44E	5.00
Piston .030 oversize.....	44F	3.50	44F	3.50
Piston ring-each .....	45	.50	45	.50
Piston ring .0025 oversize-each.....	45A	.50	45A	.50
Piston ring .005 oversize-each.....	45B	.50	45B	.50
Piston ring .015 oversize-each.....	45D	.50	45D	.50
Piston ring .030 oversize-each.....	45G	.50	45G	.50
Piston wrist pin.....	46	.75	46	.75
Piston wrist pin can be supplied up to .005 oversize.				
Piston wrist pin set screw.....	47	.10	47	.10
Pump case-before 4HP No. 40614-8HP No. 6500	48	1.50	48	1.50
Pump case cap screw-3/8"x3/4" thin head.....	48X	.05	48X	.05
Pump case cover.....	49	.75	49	.75
Pump case cover screw.....	49X	.05	49X	.05
Pump runner-before 4HP No. 3080.....	50	3.00		
Pump runner-after 4HP No. 3080-all 8HP.....	2-50	.40	2-50	.40
Above runner is used with shaft 2-52 or 3-52....				
Pump gear-used with 2-52 or 3-52.....	51A	.75	51A	.75
Pump gear used with 52.....	51B	.75		

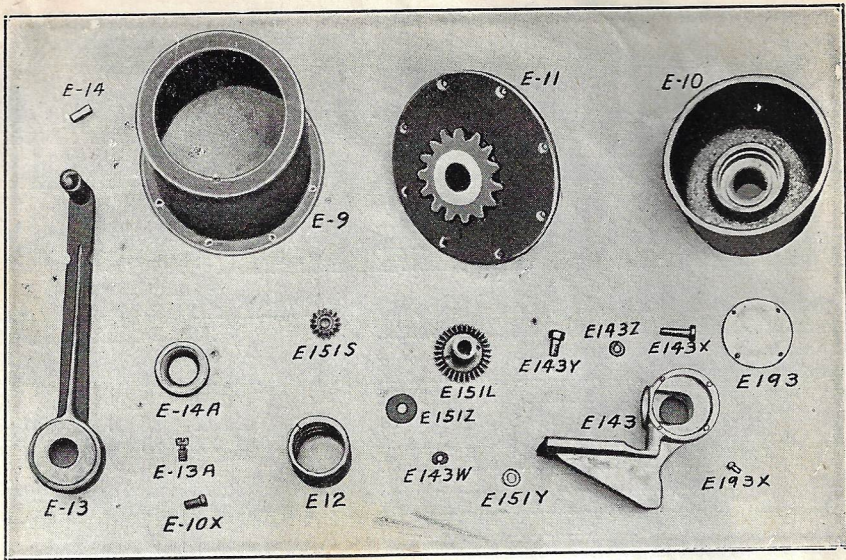


NAME OF PART

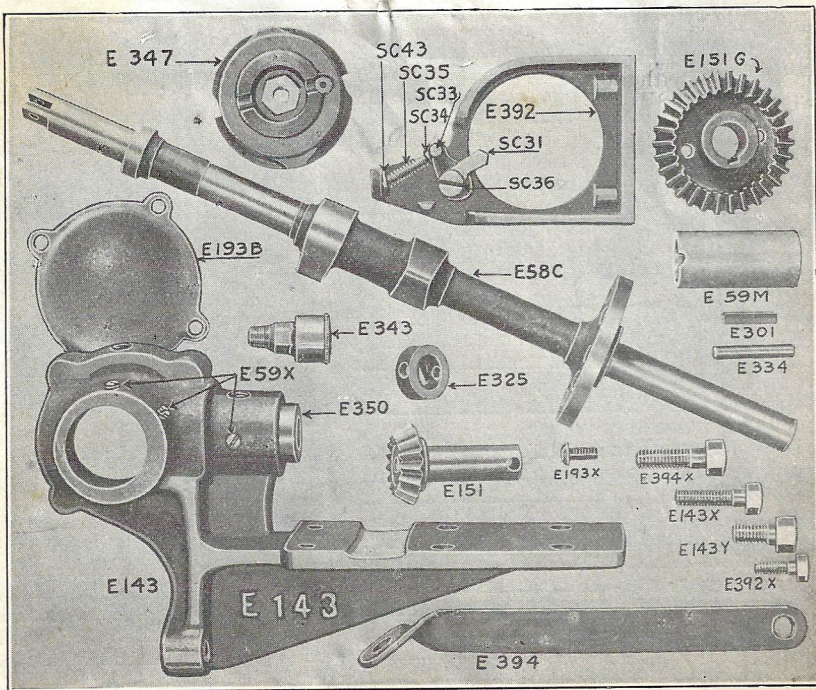
	4 H.P.		8 H.P.	
	Part No.	Price	Part No.	Price
Pump shaft-before 4 HP No. 3080.....	52	\$ .30		
Pump shaft-after 4HP No. 3080.....Model 80	2-52	.40	2-52	\$ .40
Pump shaft.....Model 44			3-52	.75
Pump shaft coupling before 4HP No. 3080.....	53	.15		
Pump gear cover with bushing-used with 2 & E2	54	1.00	54	1.00
Pump gear cover screw.....	54X	.05	54X	.05
Pump shaft bushing-See No. 129 and 129A.....				
Pump stuffing nut.....	55	.25	55	.25
Push rod-4HP obsolete.....	56	.75	E56	1.50
Push rod after 4HP 40404.....	56A	1.50		
Push rod adjusting screw and nut.....	57	.10	E57	.50
Push rod adj. screw and nut used with 56A.....	57A	.10		
On account of change of cam on all 4HP cam shafts add 56A and 57A to order for cam shaft before engine No. 40404.				
Cam shaft—battery ignition.....	58	2.50	E58	8.00
Cam shaft-dual ignition.....	58A	3.00	E58A	9.00
Cam shaft-SC with timer extension.....			E58B	9.00
Cam shaft-SC without timer extension.....	58C	2.50	E58C	8.00
Cam shaft.....Unit	2-58	3.00		
Cam shaft, battery ignition.....Unit	4-58	3.50		
Cam shaft-less E219-battery.....Model 80			E58D	9.00
Cam shaft-less E219-SC.....Model 80			E58E	9.00
Cam shaft-less E219-SC-with timer extension.....Model 80			E58F	9.00
Cam shaft bushing-open end.....	59	.50	59	.50
Cam shaft bushing-closed end.....	59C	.50	59C	.50
Cam shaft bushing-long-open end-SC.....	59M	.60	59M	.60
Cam shaft bushing set screw.....	59X	.05	59X	.05
Cam shaft timing gear.....	60	2.00	60	2.00
Cam shaft timing gear screw.....	61	.05	61	.05
Timer frame-assembled complete.....	62	1.25	E62	2.75
Timer frame bolt, nut and spring.....	62X	.25	62X	.25
Timer fibre block.....	63	.15	63	.15
Timer connecting screw.....	64	.05	64	.05
Timer connecting screw nut-knurled.....	65	.05	65	.05
Timer connecting screw nut-hex.....	65A	.05	65A	.05
Timer contact spring.....	66	.10	66	.10
Timer contact plate.....	67	.15	67	.15
Timer contact plate screw.....	68	.05	68	.05
Water hose nipple, 3/8"-pump and cylinder.....	69	.10		
Water hose nipple, 3/8"-close nipple & coupling.....			E69	.25
Water hose connection-1/2" 90° street ell.....	69B	.15	69B	.15
Water hose connection-1/2" 45° street ell.....	69G	.15	69G	.15
Oil cup-Mich X48A3.....	A3-70	2.00	A2-70	4.00
Oil cup body glass-Lavigne, 2 3/16"x2 3/16".....	1-70A	.50		
Oil cup body glass-Detroit, 2 1/2"x2 3/8".....	1-70B	.50		
Oil cup body glass-Michigan, 2 3/8"x2 1/8".....	1-70C	.50		
Oil cup body glass-Michigan, 2 1/4"x2 1/8".....	3-70A	.50		
Oil cup body glass-Mich. or Detroit, 3 1/2"x4".....			2-70A	1.00
Oil cup feed glass-Lavigne, 7/8"x3/4".....	1-70D	.20		
Oil cup feed glass-Detroit 1 3/16"x3/4".....	1-70E	.20		
Oil cup feed glass-Michigan 7/8"x3/4".....	1-70F	.20		
Oil cup feed glass-Michigan 3/4"x3/4".....	3-70B	.20		
Oil cup feed glass-Detroit 7/8"x7/8".....			2-70	.20
Oil cup feed glass-Michigan 1"x7/8".....			2-70C	.20
Oil cup feed shank with glass—Lavigne.....	1-70G	.75		
Oil cup feed shank with glass-Detroit.....	1-70H	.75		
Oil cup feed shank with glass-Michigan.....	1-70J	.75		
Oil cup feed shank with glass-Michigan.....	3-70C	.75		
Oil cup feed shank with glass-Detroit.....			2-70D	.75
Oil cup feed shank with glass-Michigan.....			2-70E	.75
Priming cup.....	71	.50	71	.50
Drain cock-cylinder-pump or gear cover.....	72	.25	72	.25
Oil pump test cock.....Model 80			72	.25







Above magneto parts for dual ignition only.  
 E-143 on above cut should be No. E-143A.  
 \*E-193 on above cut should be No. E-193A.



Above parts are used when equipped with magneto and starter coupling.

NAME OF PART	4 H.P.		8 H.P.	
	Part No.	Price	Part No.	Price
Flywheel .....	Unit		2-113	\$18.00
Truck axle-front .....	114A	\$ 2.00		
Truck axle-rear .....	115A	.50		
Gasoline tank strap with bolt.....	116	.15	E116	.15
Gasoline tank strap-each.....	Unit		2-116	.15
Push rod bushing-before 8HP 4070.....			E117	.50
Intake valve complete-low style.....	A2-125	2.00	A2-125	2.00
Governor frame only.....	127	.50	127	.50
Pump shaft bushing.....	129	.30	129	.30
Pump shaft bushing-after 4HP 40614 and Model 80.....	129A	.30	129A	.30
Sub-base .....	130	3.50	E130	7.00
Sub-base-long .....	Unit		1-130	7.00
Sub-base-short .....	Unit		2-130	5.00
Sub-base-short .....			E130	5.00
End bearing with bushing.....			E134	2.50
Truck wheel-front-10" .....	136F	1.50		
Truck wheel-rear-12" .....	136R	2.00		
Truck tongue.....	137	1.50		
Water cooler tank bolt.....	139	.15		
Water cooler tank bolt-DT.....	139A	.20	E139A	.20
Magneto bracket with cover-obsolete .....	143A	4.50	143A	4.50
Magneto bracket with cover and bushing-SC....	143C	4.50	E143	4.50
Magneto bracket-for IC.....	Unit		2-143	2.00
Magneto bracket-obsolete .....	Unit		3-143	2.00
Magneto bracket with cover and bushing-Bosch	4143	4.50	4-143	4.50
Magneto bracket for Wico L. D. Magneto.....	22-143	4.50	22-143	4.50
Magneto bracket to CC cap screw $\frac{5}{16}$ "x $1\frac{1}{4}$ "....	143X	.05	143X	.05
Magneto to bracket cap screw $\frac{3}{8}$ "x $\frac{1}{4}$ "-Dixie..	143Y	.05	143Y	.05
Magneto to bracket machine screw and nut 10-24x $\frac{7}{8}$ "-Bosch .....	4-143X	.05	4-143X	.05
Magneto to bracket cap screw $\frac{1}{4}$ "x $\frac{5}{8}$ ".....	Unit		2-143X	.05
Breather nipple.....	Model 44			E144
Breather with cap.....	Model 44			E145A
Clutch-assembled without clutch lever, 4HP 9 tooth sprocket, 8HP 15 tooth sprocket.....	147	12.00	E147	20.00
Governor arm pin.....	148	.15	148	.15
Magneto pinion with shaft-SC.....	151	3.00	151	3.00
Magneto pinion with nut-used with No.2-2..Unit	2-151P	3.00		
Magneto drive gear-SC.....	151G	3.50	151G	3.50
Magneto drive gear .....	Unit		2-151G	3.50
Magneto drive gear-dual ignition.....	151L	3.50	151L	3.50
Magneto pinion-dual ignition.....	151P	3.00	151P	3.00
Clutch wrench.....			E152	.15
Muffler .....	Unit			
Pump hose-pump to cylinder.....	169	.20	E169	.05
Pump hose clamp.....	169C	.05	E169C	.05
Intake Valve Washer and Pin.....	170	.10	170	.10
Gasket-manifold to cylinder.....			E175	.05
Crank case side plate-ball bearing engine- clutch side .....			E177	7.00
Crank case side plate-ball bearing engine- governor side.....			E177G	7.00
Water pump assembled on crank case cover....	178	10.00	E178	12.00
Water pump assembled-pump case, cover, run- ner, shaft, stuffing nut, drain cock, hose nipple	178B	6.00	E178B	6.50
Water pump assembled on gear cover 2A & E2A	178C	10.00	E178C	12.00
Hard oiler for end bearing.....			E184	.25
Starting crank-used with nut 1-335 .....	A3-185	1.25	A3-185	1.25
Starting crank-used with nut 2-335 .....	Unit		A5-185	1.00
Starting crank ratchet collar.....			E186	.25
Oil gauge .....			1-187	1.00
Oil gauge glass $\frac{3}{4}$ "x $1\frac{1}{4}$ " O.S.....			1-187A	.25
Oil gauge glass $\frac{1}{2}$ "x $2\frac{1}{4}$ " O.S.....			1-187B	.25
Oil gauge glass $\frac{1}{2}$ "x2".....			1-187C	.25

NAME OF PART

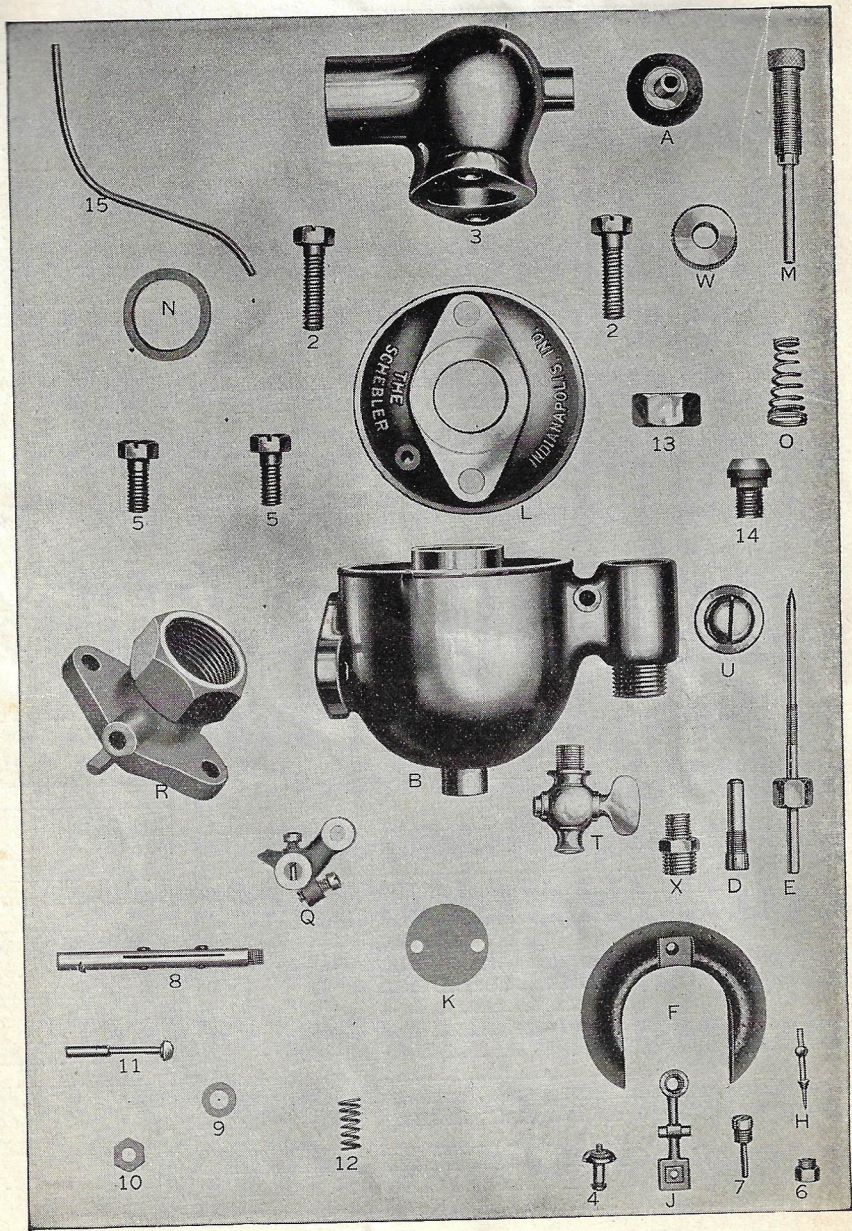
	4 H.P.		8 H.P.	
	Part No.	Price	Part No.	Price
Starter Crank Pawl.....	1-190	\$ .15	1-190	\$ .15
Magneto bracket cover-for No. 143A.....	193A	.25	193A	.25
Magneto bracket cover-for No. 143C and E143.....	193B	.25	193B	.25
Magneto bracket cover-for No. 4-143.....	193C	.25	193C	.25
Magneto bracket cover screws.....	193X	.05	193X	.05
Inspection plate.....	Model 80		E195	.90
Inspection plate cap screw (4) ea.....	Model 80		E195X	.05
Felt washer for side plate-ball bearing engine..			E202	.15
Flywheel pulley, 4" diameter 5" face.....	205A	5.00	205A	5.00
Flywheel pulley, 5" diameter 5" face.....	205B	5.50	205B	5.50
Flywheel pulley, 6" diameter 5" face.....	205C	6.00	205C	6.00
Flywheel radiator pulley.....	205R	4.00	205R	4.00
Flywheel pulley cap screw, with lock washer....	205X	.15	205X	.15
Radiator fan drive pulley.....	Unit		2-206	5.00
End bearing bushing.....			E207	.90
Gas tank bracket clamp-for E75C.....			E215	.25
Gas tank bracket clamp-for 5-75.....	Model 80		1-215	.15
Magneto coupling-obsolete.....	Unit			
Water cooler cone spreader.....	1-213	2.00		
Oil pump eccentric cam.....	Model 80		218	.25
Oil pump assembly, consisting of body, plunger, spring A3, 72, A11 Spl.....	Model 80			
Oil pump body.....	Model 80		E219	1.50
Oil pump cap screw-each.....	Model 80		A1-220	6.50
Oil pump plunger.....	Model 80		1-220	3.00
Crank case oil sump.....	Model 80		1-220X	.05
Crank case oil sump cap screw (6) ea.....	Model 80		K221A	1.50
Gasket-sump to crank case.....	Model 80		E223	3.00
Gasket-strainer to crank case.....	Model 80		E223X	.05
Radiator fan bracket.....	233	2.00	E226	.10
Fan bracket.....	Unit		E227	.05
Oil strainer complete.....	Model 80		E233	2.00
Oil strainer cap screw (2).....	Model 80		2-233	1.00
Oil strainer screen.....	Model 80		E234	2.00
Oil strainer body.....	Model 80		E234X	.05
Oil pump plunger spring.....	Model 80		E235	.25
Oil pipe nipple.....			E236	1.50
Oil can.....	239	.10	K238A	.25
Clutch shifter separating washer-SC.....	241	.25	E239	.10
Crank shaft ballbearing.....			241	.25
Oil gauge-assembled.....	Unit		E245	.25
Oil gauge nipple 1/8"x1 1/2".....	Unit		E246	20.00
Oil gauge T. 1/8".....	Unit			
Oil gauge plug 1/8".....	Unit			
Oil gauge cap and pin-for CC 1-1.....	Unit			
Oil gauge cap and pin-for CC2-1.....	Unit			
Intake pipe plug.....	A1-251	.15		
Clutch sprocket-11 tooth for D433 chain.....	A2-251	.15		
Oil pipe elbow.....	258A	.05		
Lower water connection.....	260	1.75		
Gasket-pump case to cover.....	261	.15	E261	.15
Crank shaft bushing oil wick-pair.....	1-262	.25		
Pump packing-3 rings.....	263	.10		
Flywheel nut pulley 3"x3"-L.H.....	264	.05	264	.05
Flywheel nut pulley, 1 1/2"x2"-L.H.....	265	.05		
Flywheel nut pulley, 3"x3"-R.H.....	276	.10	276	.10
Flywheel nut pulley, 1 1/2"x2"-R.H.....	282A	3.50	282A	3.50
Radiator fan drive pulley-clutch end-spl.....	282C	3.50	282C	3.50
Radiator supports-each.....	282G	3.50	282G	3.50
Truck rear axle bracket.....	282H	3.50	282H	3.50
Radiator only.....	Unit		282HD	4.00
Crank case side plate bolt.....	Units		1-287	.75
Magneto drive gear key-SC.....	288	1.00		
Magneto drive gear key.....	Unit			
	1-289	20.00	3-289	30.00
			E299	.15
	301	.05	301	.05
	1-301	.05		

NAME OF PART

NAME OF PART	4 H.P.		8 H.P.	
	Part No.	Price	Part No.	Price
Fan drive pulley key.....Unit	2-301	\$ .05		
Magneto drive collar-SC.....	325	.35	325	\$ .35
Magneto drive washer.....Unit	1-325	.25		
Gasket-intake pipe to cylinder.....	327	.05	E327	.05
Magneto Drive Collar.....	3-325	.70	3-325	.70
Gasket-gear cover to C.C.....	328	.05	E328	.10
Gasket-pump gear cover to gear cover.....	329	.05	329	.05
Gasket-cylinder to C.C.....	330	.05	E330	.10
Gasket side plate to C.C.....	331	.05	331	.05
Magneto drive collar pin-S.C.....	334	.05	334	.05
Magneto drive coupling pin-Bosch.....	1-334	.05	1-334	.05
Magneto drive gear pin.....Unit	2-334	.05		
Starting nut-steel RH-for crank A3-185.....	1-335	1.25	1-335	1.25
Starting nut-splined-RH for crank A5-185.....	2-335	.75	2-335	.75
Starting ratchet nut cap screw.....	335X	.15	335X	.15
Governor speed regulator ratchet-DT.....	336A	.25	336A	.25
Governor speed regulator cap screw.....	336X	.10	336X	.10
Fan drive pulley.....Unit	1-337	3.00		
Fan drive pulley-used with 2-2.....Unit	2-337	3.00		
Fan belt-endless.....Unit	1-338	.50		
Fan belt-leather with coupling.....Unit	12-338	.75	A2-338	1.25
Gasket-inspection plate to C.C.....Model 80			E340	.05
Radiator fan.....			E341	7.50
Radiator fan.....Unit	1-341	6.00	3-341	6.00
Radiator fan belt-1" per foot.....			341B	.35
Hard oiler-magneto bracket-SC.....	343	.25	343	.25
Magneto with cable-Bosch BA1 CCLW.....Unit	8-344	35.00		
Magneto with cable-4HP BA1 CLW, 8HP BA2.....	9-344	35.00	10-344	45.00

SEE BOSCH SERVICE STATION FOR REPAIRS.

Wico Magneto with Bracket to replace Dixie, Bosch FX or Bosch BA.....		23.50		27.50
Magneto starter coupling-Dixie.....	347	7.50	E347	7.50
Magneto impulse coupling-Bosch-anti-CLW.....Unit	1-347	6.50		
Magneto impulse coupling-Bosch-clockwise.....	2-347	6.50	2-347	6.50
Magneto drive shaft bushing SC.....	350	.75	350	.75
Magneto drive shaft bushing.....Unit	1-350	.75		
Magneto drive shaft bushing-for 2-2.....Unit	2-350	.75		
Pulley-solid-flanged 3½"x6"-special.....			E335	
Breather screen.....4HP unit, Model 80	1-359	.25	1-359	.25
Breather connection.....	1-360	.30		
Breather.....Unit Model 80	1-361	1.50	2-361	1.50
Gasket-breather to C.C.....Unit	1-362	.10		
Governor speed regulator sleeve.....	363	.50	363	.50
Governor speed regulator plunger with pin.....	364	.35	364	.35
Oil strainer-used with No. 1.....	366	.05		
Water connection-upper.....Unit	1-367	1.75		
Gasket-water connection to cylinder.....Unit	1-368	.25		
Gasket-water connection to radiator.....Unit	1-369	.25		
Truck axle step washer.....	383	.10		
Wrench-double end.....	384	.60	384	.60
Wrench-for spark plug.....	385	.60	385	.60
Pawl bracket for Dixie magneto.....			E392	1.50
Pawl bracket assembled.....			E392A	3.00
Pawl bracket cap screw.....			E392X	.05
Magneto bracket brace.....	394	.25	394	.25
Magneto bracket brace cap screw.....	394X	.05	394X	.05
Radiator brace.....Unit	2-400	.75		
Truck front truss.....	407	2.00		
Gasket-oil pump to gear cover.....Model 80			K446	.05
Oil pump suction tube.....Model 80			E455	.20
Oil pump discharge tube (2) each.....Model 80			E456	.30



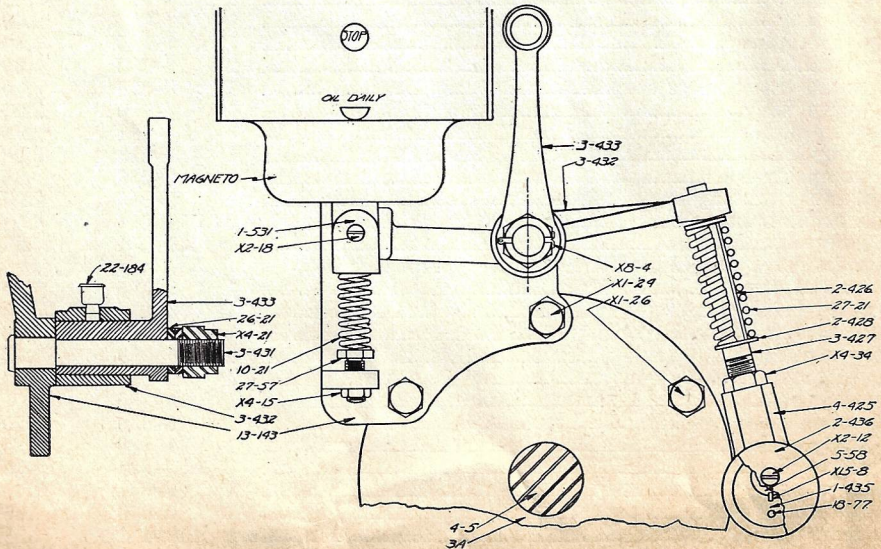
NAME OF PART	4 H.P.		8 H.P.	
	Part No.	Price	Part No.	Price
Oil tube-pump to first discharge.....Model 80	.....	.....	E459	\$.05
Oil tube-first to second discharge.....Model 80	.....	.....	E460	.05
Fan belt coupling.....Unit	.....	.....	1-518	.35
Fuel strainer.....Unit	.....	.....	1-524	1.50
Oil suction tube connection-in pump.....Model 80	.....	.....	A3	.25
Oil suction tube elbow-in strainer.....Model 80	.....	.....	A7	.25
Oil discharge Tee-in gear cover.....Model 80	.....	.....	A11	.40
Oil discharge Tee-in pump.....Model 80	.....	.....	A11 Spl.	.40
Oil gauge nipple 1/8"x1 1/2".....Model 80	.....	.....	.....	.10
Oil gauge coupling 1/8".....	.....	.....	.....	.10
Water hose St. El 3/4"-in cylinder.....Unit	.....	.....	.....	.15
Water hose nipple 3/4".....Unit	.....	.....	.....	.15
Water hose 1"x12" cylinder to radiator.....Unit	.....	.....	.....	.75
Water hose 3/4"x15" pump to radiator.....Unit	.....	.....	.....	.20
Water hose clamp 1".....Unit	.....	.....	.....	.10

### PARTS USED IN 8 H.P. MODEL E-34 ENGINE

	Quantity	Part No.	Price
Crank case .....	1	9-1	\$18.00
Gear cover.....	1	12-2	7.00
Side plate-governor side.....	1	17-3	4.25
Side plate-clutch side.....	1	18-3	4.00
Crank shaft.....	1	23-5	23.00
Pump shaft bushing-short.....	1	24-16	.50
Pump shaft bushing-long.....	1	25-16	.50
Cam shaft bushing-long.....	1	30-16	1.50
Cam shaft bushing-short.....	1	31-16	1.50
Oil pump strainer spring.....	1	72-21	.10
Piston .....	1	14-44	4.00
Piston ring compression 4"x3/16".....	6	2-45	.35
Piston oil ring 4"x3/16".....	2	13-45	.40
Pump case .....	1	3-48	2.50
Pump cover.....	1	1-49	.85
Pump runner (specify 4 blade or 2 blade type).....	1	3-50	.65
Pump shaft (keyseated or pinned type).....	1	1-52	.45
Pump stuffing nut.....	1	1-55	.65
Cam shaft.....	1	24-58	9.00
Crank gear.....	1	47-60	2.00
Inspection plate.....	1	7-195	.80
Oil seal .....	2	18-202	1.00
Oil pump check valve stop.....	1	3-216	.10
Oil pump body.....	1	7-220	2.00
Oil pump plunger.....	1	A3-221	.75
Oil sump .....	1	1-223	3.50
Oil pump strainer.....	1	A2-236	.30
Main roller bearing cup.....	2	5-246	2.00
Main roller bearing cone.....	2	17-246	4.00
Oil gauge.....	1	A9-251	.25
Magneto drive coupling-slotted (specify pinned or key-seated type).....	1	3-325	.70
Magneto drive coupling leather.....	1	4-325	.80
Magneto drive coupling with pins.....	1	A5-325	.70
Side plate shims .015 (thick).....	2	11-330	.10
Side plate shims .005 (thin).....	4	.....	.10
Breather gasket.....	1	73-330	.05
Inspection plate gasket.....	1	79-330	.20
Oil sump gasket.....	1	81-330	.25
Magneto-Wico .....	1	A22-344	22.00
Breather .....	1	A5-361	1.50
Breather screen.....	1	2-539	.15
Oil pump ball-3/2".....	1	X19-4	.05

## PARTS USED IN WICO MAGNETO INSTALLATION ON 4 H.P.

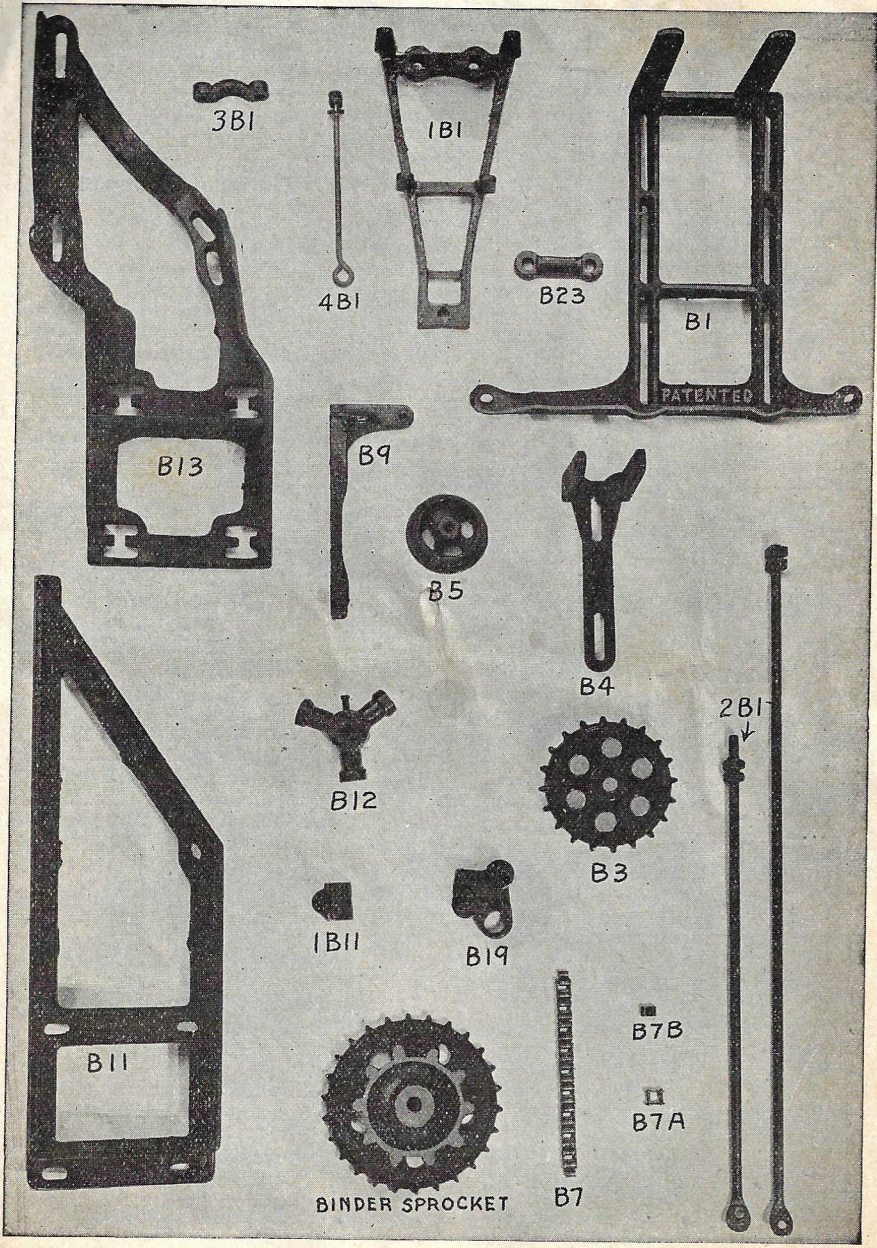
NAME OF PART	Part No.	Price
Magneto return spring.....	10-21	\$0.20
Magneto timing eccentric friction spring.....	26-21	.05
Magneto drive spring.....	27-21	.20
Governor arm .....	4-38	.75
Governor link .....	2-39	.50
Return spring adjusting screw.....	27-57	.25
Cam shaft .....	1A5-58	2.50
Cam shaft (unit).....	1A13-58	2.50
Eccentric strap guide pin.....	18-77	.05
Magneto cable—Wico .....	A8-88	.75
Magneto bracket .....	13-143	1.00
Oiler $\frac{5}{16}$ ".....	22-184	.15
Magneto—Wico .....	A7-344	18.00
Eccentric strap.....	4-425	1.00
Trip rod sleeve.....	2-426	.35
Trip rod .....	3-427	1.00
Trip rod washer.....	2-428	.10
Rocker arm stud.....	3-431	.50
Rocker arm .....	3-432	1.25
Timing eccentric.....	3-433	1.00
Drive eccentric.....	1-435	1.00
Eccentric strap guide.....	2-436	.25
Return spring yoke.....	1-531	.25
Magneto screw $\frac{5}{16}$ "x1".....	X1-16	.05
Magneto bracket screw $\frac{3}{8}$ "x1 $\frac{1}{4}$ ".....	X1-29	.05
Eccentric strap guide screw.....	X2-12	.05
Magneto return spring yoke screw.....	X2-18	.05
Magneto return spring screw nut.....	X4-15	.05
Rocker arm stud nut $\frac{1}{2}$ ".....	X4-21	.05
Trip rod nut $\frac{7}{16}$ ".....	X4-34	.05
Magneto yoke screw nut.....	X4-35	.05
Magneto screw lock washer, $\frac{5}{16}$ ".....	X7-1	.02
Magneto bracket screw lock washer $\frac{3}{8}$ ".....	X7-4	.02
Rocker arm stud cotter.....	X8-4	.02
Magneto drive eccentric key.....	X15-8	.05



# SCHEBLER CARBURETOR PARTS

NAME OF PART	Part No.	Price
Air valve complete.....	AN	\$ 4.00
Air valve complete with choke.....	1-AN	5.50
Bowl complete.....	BB	11.50
Throttle complete.....	CC	5.75
Throttle complete (Model 80).....	1-CC	5.75
Leather air valve disc.....	A	.55
Bowl casting.....	B	7.50
Spray nozzle.....	D	.30
Needle valve.....	E	.35
Cork float.....	F	.75
Float valve.....	H	.50
Float lever.....	J	.35
Throttle disc.....	K	.25
Lid.....	L	3.00
Air valve adjusting screw.....	M	.35
Cork gasket for lid.....	N	.10
Air valve spring.....	O	.10
Throttle lever with screws.....	Q	.75
Butterfly throttle casting.....	R	4.25
Butterfly throttle casting (Model 80).....	1-R	4.25
Throttle lever adjusting screw.....	S	.05
Drain cock.....	T	.60
Bowl cap.....	U	.45
Lock nut for adjusting screw.....	W	.10
Needle valve connection.....	X	.35
Throttle lever lock screw.....	1	.15
Throttle cap screw.....	2	.10
Air valve casting.....	3	4.25
Float washer and screw.....	4	.30
Air valve cap screw.....	5	.10
Float valve retainer nut.....	6	.15
Float lever screw.....	7	.15
Throttle shaft with disc screws.....	8	.40
Throttle shaft with disc screws (Model 80).....	1-8	.40
Throttle shaft washer.....	9	.10
Throttle shaft lock nut.....	10	.10
Flusher pin.....	11	.20
Flusher spring.....	12	.10
Gasoline union nut.....	13	.30
Gasoline union nipple.....	14	.40
Economy tube.....	15	.10
Throttle shaft spring washer.....	16	.05
Float lever screw nut.....	17	.10
Throttle shaft collar (Model 80).....	18	.30

All carburetor parts are interchangeable on 4 H.P. and 8 H.P. engines except  
CC, 1-CC, R, 1-R, 1-8 and 18.

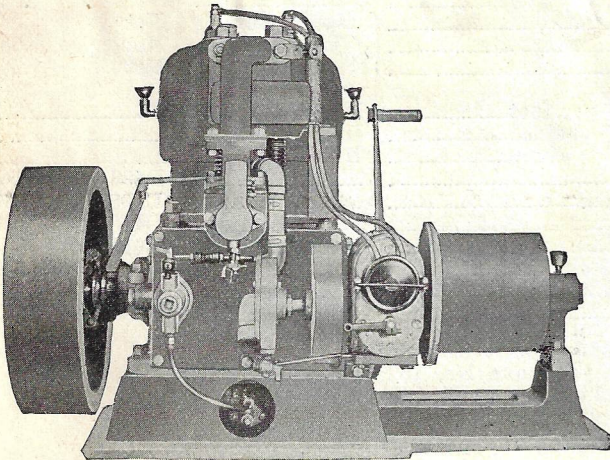


## BINDER ATTACHMENT PARTS

NOTE: We must have name of binder and Pitman Sprocket Number or Our Sprocket Casting Number to fill orders for binder attachments or sprockets.

	Part No.	Price
All 4HP double binder sprockets.....		\$3.00
All 8HP double binder sprockets.....		4.00
All 4HP 8" single binder sprockets.....		2.00
Universal bracket (patented), less brace rods.....	B1	4.00
Battery box and gasoline tank bracket (combined).....	1B1	1.00
Universal bracket brace rods, each.....	2B1	.75
Battery box bracket clamp.....	3B1	.15
Battery box bracket brace rod.....	4B1	.30
Chain idler sprocket (for R. H. McCormick).....	B3	1.00
Chain idler sprocket bracket (for R. H. McCormick).....	B4	.75
Chain tightener pulley.....	B5	.30
Chain, 4HP (give length of chain or name of binder when ordering new chain complete), per foot.....	B7	1.65
Chain connector links, each.....	B7A	.15
Chain blocks, each.....	B7B	.15
Chain tightener bracket.....	B9	.60
Acme bracket (no brace rods required).....	B11	4.00
Acme bracket hook casting.....	1B11	.15
Spider for raising and lowering rod (McCormick binder).....	B12	.75
Spider for raising and lowering rod (Acme binder).....	B12A	.75
Milwaukee bracket (no rods required).....	B13	4.00
Eye casting with bolts for changing, raising and lowering rod to front of binder.....	B19	.25
Universal bracket clamps (2 required), each.....	B23	.15
Hose, 1¼", for carburetor extension, per foot.....	S104	.60

### NOTE CHANGE IN EQUIPMENT AND CARBURETORS



Cushman 8 H. P. Engine Model 80 (Present Model)

8 H. P. MODEL 44 has splash oil system, Schebler Carburetor and M2 Dixie Magneto.

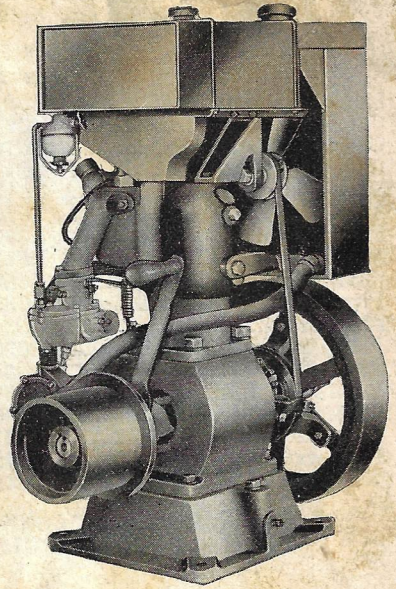
NEW MODEL 80 after engine No. 6500 has oil pump system and Kingston Carburetor. Has M2 Dixie or FX2 Bosch magneto up to engine No. 8519. After engine No. 8519 a choice of S2 or FX2 Bosch magneto. SCHEBLER CARBURETOR standard after engine No. 8675.

STATE YOUR EQUIPMENT IN ORDERING.  
RADIATORS AND SPECIAL EQUIPMENT ON REQUEST.

## CUSHMAN 4 H.P. UNIT POWER PLANT

### SPECIFICATIONS

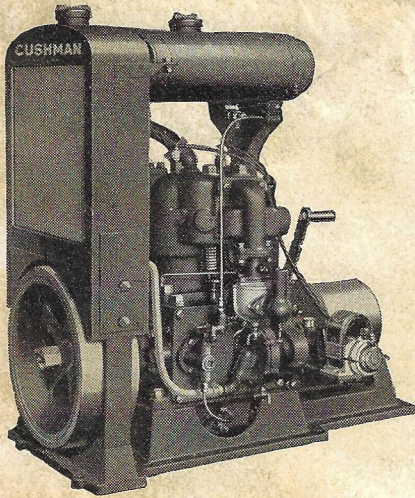
Cylinder Bore—4 inches.  
Stroke—4 inches.  
Speed for rated HP—900 R.P.M.  
Size Clutch—6-in. diam., 4-in. face.  
Sprocket—3-in. diam., 9 teeth.  
Fly Wheel—14-in. diam., 2½-in. face.  
Length—21½ inches.  
Width—20 inches.  
Height—30 inches.  
Fuel Capacity—1¾ gals.  
Water Capacity—1¼ gals.  
Weight complete with base and clutch—  
230 lbs.  
Shipping weight—285 pounds.



## 8 H.P. UNIT POWER PLANT

### SPECIFICATIONS

Cylinders—Two.  
Cylinder Dimensions—4-in. bore,  
4-in. stroke.  
Normal Speed—800 R.P.M.  
Speed Variation—550 to 950 R.P.M.  
Size Clutch—7-in. dia., 6-in. face.  
Sprocket—3½-in. dia., 15 teeth.  
Fly Wheel Diameter—14 inches.  
Fly Wheel Face—4 inches.  
Oiling System—Force Feed Pump.  
Length—33 inches.  
Width—20 inches.  
Height—33 inches.  
Fuel Capacity—4½ gals.  
Water Capacity—2 gals.  
Weight complete—400 lbs.  
Shipping Weight—485 lbs.



# THE CUSHMAN MOTOR WORKS

LINCOLN, NEBRASKA