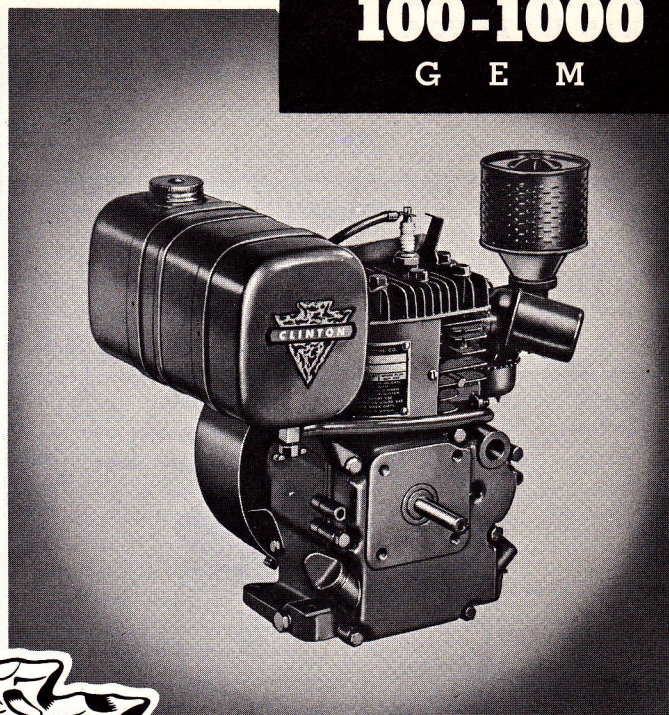
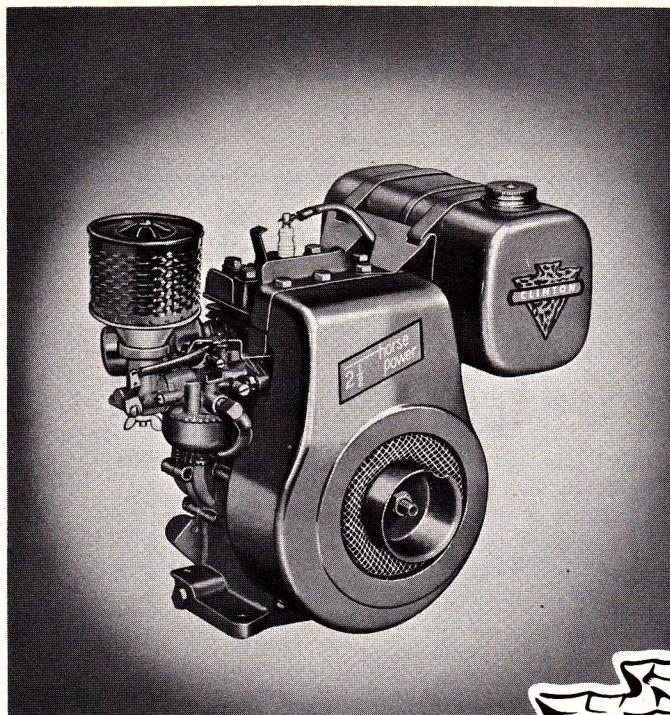


S E R I E S
100-1000
G E M



A Wide Range of Models are Made By

CLINTON

For Farm, Home and Industrial Use.

	H.P.	R.P.M.
100-1000	1.45	2200
	2.0	2800
	2.5	3600

GENERAL SPECIFICATIONS

Model	Type	Description	Starter	Weight
100-1000	Air Cooled	Horizontal Shaft	Rope or Recoil	19 lbs.

BORE: 2 $\frac{3}{8}$ "

STROKE: 1 $\frac{5}{8}$ "

TYPE: Single cylinder, L-Head, air-cooled.

AIR-COOLED: Large capacity, curved vane blower cast integral with fly-wheel. Air passes through deep fins to maintain correct operating temperature.

PISTON DISPLACEMENT: 7.2 cubic in.

IGNITION: Very high voltage, built-in fly-wheel magneto for faster starting. Moisture and dust proof with fully enclosed ignition points.

SPARK PLUG: 14 m.m.

LUBRICATION: Splash-type. Oil drainage permitted from either side of the base.

CARBURETOR: Full float feed with idle and high speed adjustment.

GOVERNOR: Adjustable, air velocity type.

MAIN BEARING: Bronze.

CRANKSHAFT: Arma steel, induction heat-treated. Counterweights and cam gear drive integral with shaft.

CONNECTING ROD: I-Beam, aluminum alloy with extra large bearings.

PISTON: Aluminum alloy. Clinton-engineered for efficient combustion.

PISTON RINGS: Two compression and one oil control. Treated surfaces.

VALVES: Forged steel. Exhaust valve provided with heat-resistant alloy head.

VALVE SEATS: Alloy inserts.

VALVE TAPPETS: Hardened and ground.

CYLINDER AND CRANKCASE: Die cast cylinder block and crankcase with large amount of cooling area for cool operation. A close-grained cast iron liner is die cast in block.

CYLINDER HEAD: Aluminum, removable with extra deep cooling fins.

OIL FILLER: Conveniently located for easy check of oil level and for filling.

AIR FILTER: Dry type.

FUEL TANK: Two-quart capacity with gasoline strainer and shut-off.

OIL RESERVOIR: One-pint capacity.

DIRECTION OF ROTATION: Counter-clockwise, viewed from power take-off shaft side.

FINISH: Heat-resistant, red enamel. Other colors available upon request.

STANDARD EQUIPMENT

Standard equipment includes: Down-draft oil bath air cleaner, dust and moisture-proof, high voltage, flywheel magneto, float feed carburetor and fuel tank, muffler, blower housing screen, rope starter.

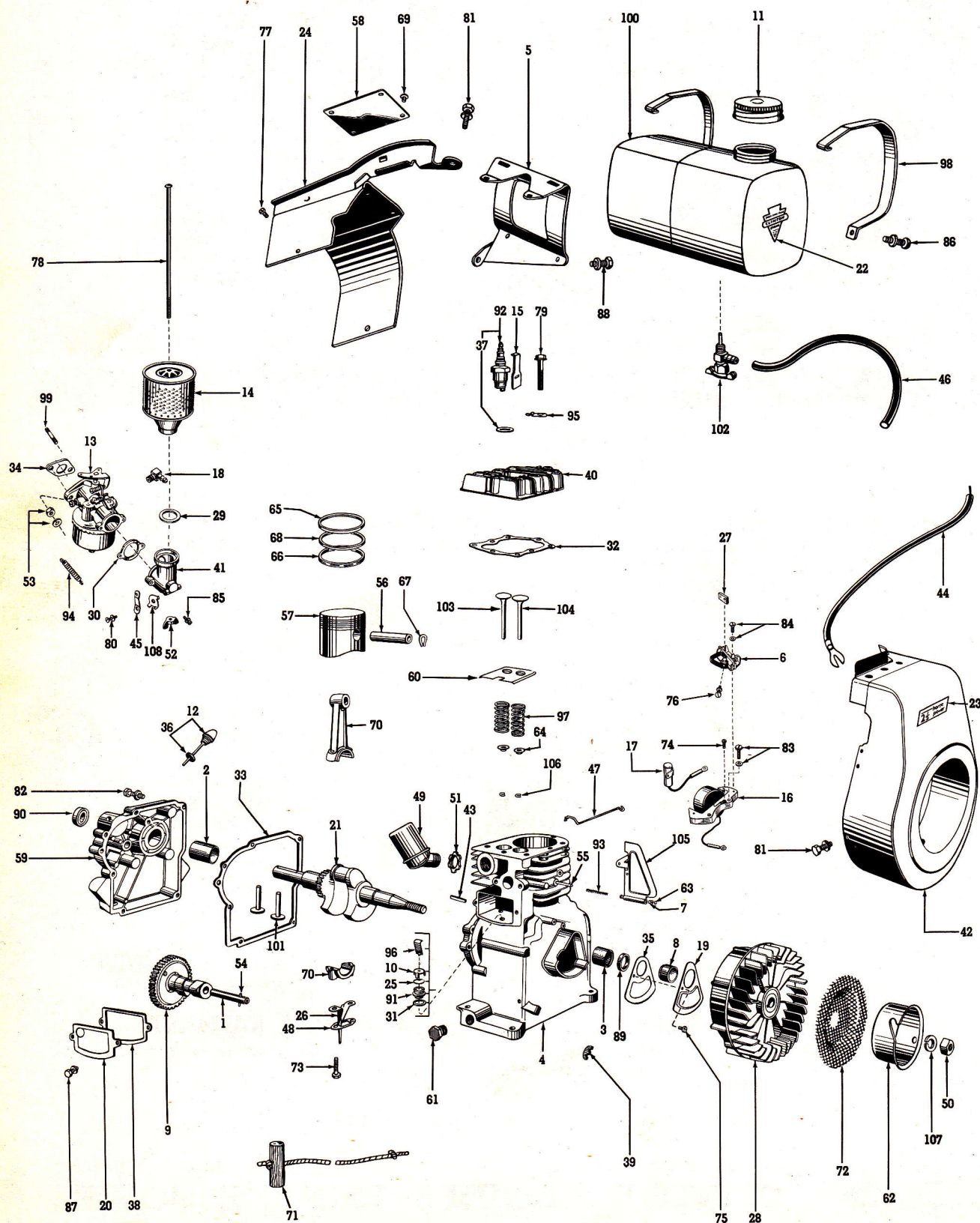
SPECIAL EQUIPMENT

Special equipment includes: Remote governor controls, throttle control cables and stop, recoil starter.



WORLD'S LARGEST MANUFACTURER OF A COMPLETE LINE OF AIR-COOLED GASOLINE ENGINES
CLINTON ENGINES PROVIDE POWER
FOR FARM • HOME • INDUSTRIAL EQUIPMENT

Printed in U.S.A.



CLINTON

S	E	R	I	E	S
100-1000					
G	E	M			

**BASIC
TYPE**

**SEC. II DIV. 100-1000
PARTS CATALOG**
Revised February, 1957
Supersedes May, 1956

There are two Basic Types of the 100-1000 Engine covered by this Basic Parts List. These types are shown as follows: Serial Number Suffix A—referred to as "Type A"; Serial Number Suffix B—referred to as "Type B."

NOTE: See page "a" on "How to Identify Your Clinton Engine."

BASIC PARTS LIST

Ref. No.	PART DESCRIPTION	Part No.	Quantity
1	AXLE ASSEMBLY — Camshaft (Includes Pin).....	21310-A	1
2	BEARING — Sleeve (Plate Assembly).....	21016	1
3	BEARING — Main, Sleeve (Cylinder Block).....	10380	1
4	BLOCK ASSEMBLY — Cylinder.....	10204-A	1
5	BRACKET — Fuel Tank Mounting.....	21352	1
6	BREAKER POINTS ASSEMBLY.....	P5543	1
	BREATHER ASSEMBLY.....	6330	1
	NOTE: Breather Assembly includes Ref. Nos. 10, 25, 31, 91, 96.		
7	BUSHING — Air Vane.....	7239	2
8	CAM — Magneto Breaker.....	5707	1
9	CAMSHAFT.....	21008	1
10	CAP — Breather.....	7155	1
11	CAP & GASKET ASSEMBLY — Fuel.....	7440-A	1
12	CAP & GASKET ASSEMBLY — Oil Filler.....	21074-A	1
13	CARBURETOR ASSEMBLY — Clinton (Used on Type A).....	14010	1
	CARBURETOR ASSEMBLY — Clinton (Used on Type B).....	14009	1
	(For Complete Identification of Carburetors, Refer to Sec. III, Div. A, Page 2)		
14	CLEANER ASSEMBLY — Air.....	4546-A	1
15	CLIP — Ignition Shorting.....	10368	1
16	COIL ASSEMBLY — Magneto (w/Laminations).....	P5593-B	1
	COIL — Magneto (w/o Laminations).....	P5593-A	1
17	CONDENSER — Magneto.....	P5599-A	1
18	CONNECTOR — 90° Flex. Fuel Line (Carburetor).....	5052	1
19	COVER — Dust, Magneto Breaker Points.....	10382	1
20	COVER — Valve Chamber.....	10324	1
21	CRANKSHAFT.....	21100	1
22	DECAL — Arrowhead.....	3579	2
23	DECAL — Horsepower.....	10010	1
24	DEFLECTOR ASSEMBLY — Air, Cylinder.....	10006	1
25	DISC — Breather.....	7152	1
26	DISTRIBUTOR — Oil.....	21073	1
27	FELT — Lubrication, Cam Follower.....	P5504	1
28	FLYWHEEL ASSEMBLY — With Magnets.....	5711-A	1
29	GASKET — Air Horn to Air Cleaner.....	10259	1
30	GASKET — Air Horn to Carburetor.....	3990	1
31	GASKET — Breather.....	7153	1
32	GASKET — Cylinder Head.....	10253	1
33	GASKET — Bearing Plate.....	10254	1
34	GASKET — Asbestos (Carburetor to Block).....	6002	1
35	GASKET — Cover, Dust (Breaker Points).....	10250	1
36	GASKET — Oil Filler Cap.....	3297	1
37	GASKET — Spark Plug.....	3115	1
38	GASKET — Valve Chamber Cover.....	10251	1
	GASKET KIT — Engine Overhaul.....	6329	1
39	GROMMET — Magneto (Breaker Lead Wire).....	10367	1
40	HEAD — Cylinder.....	10011	1
41	HORN — Air.....	21350	1
42	HOUSING ASSEMBLY — Blower.....	21000-A	1
43	KEY — Flywheel.....	10339	1
44	LEAD — Hi-Tension, Magneto.....	P2055	1
45	LEVER — Speed Adjusting.....	4441	1
46	LINE — Fuel, Flexible.....	6340	1
47	LINK — Carburetor to Air Vane.....	21020	1

CLINTON

S E R I E S
100-1000
G E M

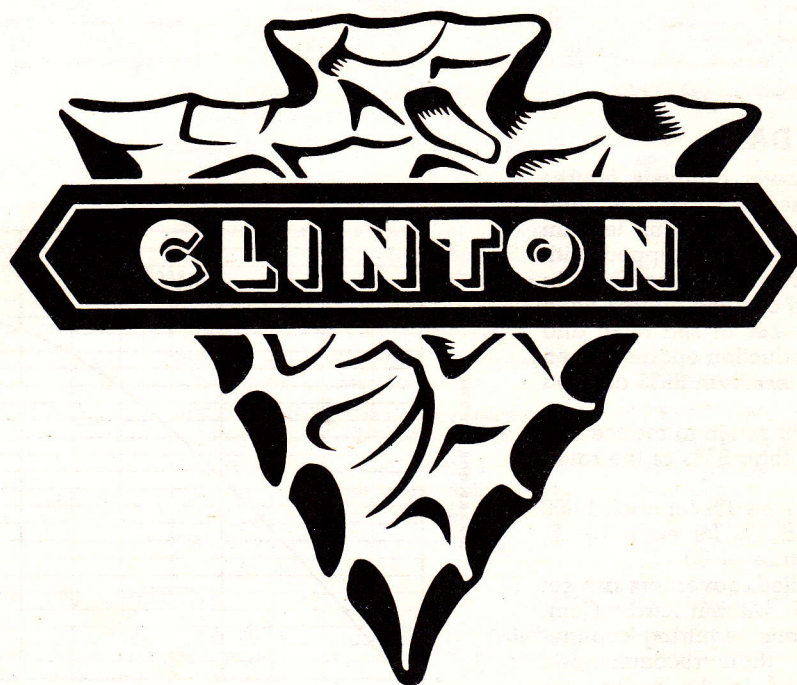
BASIC
TYPE

BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
48	LOCK — Double, Connecting Rod Screw	21318	1
49	MUFFLER — (45° Inlet)	4500	1
50	NUT — Hex. 7/16-20 (Starter Pulley)	3250	1
51	NUT — Lock, Muffler	4425	1
52	NUT — Wing (Air Cleaner)	7044	1
53	NUT & LOCKWASHER ASSEMBLY — 1/4-28 Hex. (Carburetor Mtg.)	3255-A	1
54	PIN — Camshaft Axle	10392	1
55	PIN — Pivot, Air Vane Governor	7238	1
56	PIN — Wrist	6024	1
57	PISTON — Standard	31001	1
	PISTON ASSEMBLY — Standard	31001-A	1
NOTE: Piston Assemblies are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part Number and specify oversize.			
NOTE: Piston Assembly includes Ref. Nos. 56, 57, 65, 66, 67, 68.			
58	PLATE — Name	6530	1
59	PLATE ASSEMBLY — Bearing	10060-B	1
60	PLATE — Valve Spring Retainer	10013	1
61	PLUG — 1/4 N.P.T. (Oil Drain)	3289	2
62	PULLEY — Starter	3299	1
63	RETAINER — Air Vane	4430	1
64	RETAINER — Valve Spring	3028	2
65	RING — Compression, Standard	6026	1
66	RING — Oil, Standard	6006	1
67	RING — Retainer, Wrist Pin	6034	2
68	RING — Scraper, Standard	6027	1
	RING SET — Standard	10023	1
NOTE: Ring Sets are also available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part Number and specify oversize.			
NOTE: Ring Set includes Ref. Nos. 65, 66, 68.			
69	RIVET — Tubular (Name Plate)	5460	6
70	ROD ASSEMBLY — Connecting	10002-A	1
71	ROPE ASSEMBLY — Starter	4266	1
72	SCREEN — Revolving	7187	1
73	SCREW — H.H.C., 1/4-28 x 1 1/8 (Connecting Rod Cap)	5635	2
74	SCREW — P.H.S.T., #6-32 x 1/4 (Coil to Laminations)	5641	1
75	SCREW — P.H.S.T., #6-32 x 3/8 (Cover, Breaker Points)	5617	1
76	SCREW — R.H.M., #6-32 x 1/4 (Breaker Points Terminal)	5664	1
77	SCREW — S.H.H.S.T., #8-32 x 3/8 (Deflector to Block)	5644	2
78	SCREW — R.H.M., #10-24 x 6 1/4 (Air Cleaner to Air Horn)	5636	1
79	SCREW — H.W.H., 5/16-18 x 1 1/8 (Cylinder Head to Block)	5654	8
80	SCREW — SHOULDER, 10-32 x 3/8" (Lever, Speed Adjusting)	4440	1
81	SCREW & LOCKWASHER ASSEMBLY — H.H.C., 1/4-20 x 5/8 (1—Deflector to Block; 2—Blower Housing to Block)	3632-G	3
82	SCREW & LOCKWASHER ASSEMBLY — H.H.C., 1/4-20 x 1 1/4 (Bearing Plate to Block)	5613-G	3
83	SCREW & LOCKWASHER ASSEMBLY — P.H.S.T., #10-24 x 1 (Laminations to Block)	5430-A	2
84	SCREW & LOCKWASHER ASSEMBLY — R.H.M., #6-32 x 5/16 (Breaker Points to Block)	5444-F	1
85	SCREW & LOCKWASHER ASSEMBLY — R.H.M., #8-32 x 11/16 (Air Horn to Carburetor)	5677-A	2
86	SCREW & LOCKWASHER ASSEMBLY — R.H.M., #10-23 x 1 (Tank Straps to Bracket)	5421-A	2
87	SCREW & LOCKWASHER ASSEMBLY — S.H.H.C., #10-24 x 1/2 (Valve Chamber Cover)	5645-A	2
88	SCREW & LOCKWASHER ASSEMBLY — H.H.C., 1/4-20 x 1 1/8 (Tank Bracket to Block)	5663-G	1

CLINTON**S E R I E S
100-1000
G E M****BASIC
TYPE**SEC. II, DIV. 100-1000
PARTS CATALOG
Revised February, 1957
Supersedes May, 1956**BASIC PARTS LIST (Continued)**

Ref. No.	PART DESCRIPTION	Part No.	Quantity
89	SEAL — Oil (Block) -----	10012	1
90	SEAL — Bearing Plate Assembly -----	3026	1
91	SEAT — Breather -----	4438	1
92	SPARK PLUG & GASKET ASSEMBLY -----	16303-A	1
93	SPRING — Compression (Air Vane) -----	10005	1
94	SPRING — Air Governor -----	10336	1
95	SPRING — Ignition Shorting Clip -----	10369	1
96	SPRING — Breather Hold-Down -----	10381	1
97	SPRING — Valve -----	3068	2
98	STRAP — Fuel Tank -----	7943	2
99	STUD — Carburetor Mounting -----	5659	2
100	TANK ASSEMBLY — Fuel -----	21051	1
101	TAPPET — Valve -----	10009	2
102	VALVE — Fuel Shut-Off, Flexible Line -----	5051	1
103	VALVE — Exhaust -----	10301	1
104	VALVE — Intake -----	10302	1
105	VANE — Air Governor -----	10393	1
106	WASHER — "C," Valve Keeper -----	3291	2
107	WASHER — Lock, 7/16 (Starter Pulley) -----	3275	1
108	WASHER — Spring Tension (Throttle Lever) -----	21305	1



Detailed prints and engineering counsel are available. Specifications and Dimensions are subject to change without notice.



Unless otherwise specified, governors are set to operate at 3,300 R.P.M. without load. Complete details of installations requiring continuous operation at other than recommended speeds should be referred to the factory for approval.



CABLE ADDRESS: ENGINES U. S. A.
ENGINE DIVISION OF **CLINTON MACHINE CO.**
MAQUOKETA, IOWA

CLINTON

S	E	R	I	E	S
100-1000					
G	E	M			

**MODEL
VARIATIONS**
**SEC. II, DIV. 100-1000
PARTS CATALOG**
 Revised January, 1959
 Supersedes Mar., 1958

MODEL VARIATIONS OF 100-1000 SERIES

The adaptation of Clinton Engines to a wide variety of uses results in what is known as "Model Variations." Following is the complete list of all Models produced up to issue date (shown above). Opposite each Engine Model listed are the Part Numbers and/or Assembly Numbers for the Series used IN ADDITION TO or IN PLACE OF the parts illustrated and shown on the Basic Parts List preceding this Model Variations List. Refer to other sections of this Manual when Assembly Numbers are given to find the Parts List for these assemblies.

See page (a) on "How to Identify Your Clinton Engine." Use the preceding Basic Parts List except as shown below.

ENGINE MODEL—See page (a), "How to Identify Your Clinton Engine."	FOOTNOTES (Check page two).	PLATE ASSEMBLY—BEARING (Part Numbers Shown. Refer to Sec. IV, Div. A for further information.	CONTROL GROUP (Control Group Illustration numbers shown). Refer to Sec. III, Div. D for Parts List.	CONTROL CABLE LENGTH, replacement cable is furnished in 72" length ONLY, cut to length shown.	CRANKSHAFT (Part Numbers Shown). Refer to Sec. IV, Div. B for details and further information.	STARTER—RECOIL. Refer to Sec. III, Div. H for Parts List.	HOUSING ASSEMBLY—BLOWER (Part Numbers Shown). Refer to Basic Parts List for corresponding part.	BLOCK ASSEMBLY—CYLINDER (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.	REDUCTION GEAR (Assembly Numbers Shown). Refer to Sec. III, Div. B for Parts List.	REDUCTION GEAR MOUNTING POSITION—"Clock" position shows mounting of reduction unit in relation to Crankshaft.
100-1100			SK560	72"						
100-1103			SK560			Yes	21014-A			
100-1105	Notes 2 & 6		SK560						10206	
100-1106						Yes	21014-A			
100-1107	Note 3									
100-1108	No Variations—Use Basic Parts List									
100-1109						Yes	21014-A			
100-1110						Yes	21014-A			
100-1112			SK560	72"		Yes	21014-A			
100-1113	Note 6		SK560							
100-1114									10207	
100-1115						Yes	21014-A		10207	
100-1116		10061-A				Yes	21014-A			
100-1117			SK560	72"		Yes	21014-A			
100-1118	Note 6					Yes	21014-A			
100-1119			SK560							
100-1120		10061-A	SK560	72"		Yes	21014-A			
100-1121			SK560	72"		Yes	21014-A			
100-1122	No Variation—Use Basic Parts List									
100-1123						Yes	21014-A			
100-1124	Note 6		SK560							
100-1125					21105	Yes	21014-A			
100-1126			SK560			Yes	21014-A			
100-1127	Note 8					Yes	21014-A			
100-1128	Note 9									
100-1129	Notes 5 & 8	10061-A				Yes	21014-A			
100-1130			SK560			Yes	21014-A			
100-1131		10061-A	SK560	72"						
100-1132	No Variations—Use Basic Parts List									
100-1133	No Variations—Use Basic Parts List									
100-1134	Note 6					Yes	21014-A			
100-1135		10061-D	SK560			Yes				
100-1136		10061-D	SK560							

CLINTON

S E R I E S
100-1000
G E M

**MODEL
VARIATIONS**

MODEL VARIATIONS OF 100-1000 SERIES (Cont.)

ENGINE MODEL	FOOTNOTES	PLATE ASSEMBLY— BEARING	CONTROL GROUP	CONTROL CABLE LENGTH	CRANKSHAFT	STARTER— RECOIL	HOUSING ASSEMBLY— BLOWER	BLOCK ASSEMBLY— CYLINDER	REDUCTION GEAR	REDUCTION GEAR MOUNTING POSITION
100-1137	Note 12									
120-1000	Note 4				21111				3552	6:00
120-1100	Note 4				21111	Yes	21014-A		3552	6:00
160-1000	Note 4				21106				3800	6:00
160-1101	Note 4	10061-A			21106				3800	6:00
160-1102	Notes 4 & 6	10061-A			21106				3800	9:00
160-1103	Notes 1, 4, 11	10061-A			21106		21007-D		3800	
190-1100	Note 7	10062-A			21108					
190-1101	Note 7	10062-A			21109					
190-1102	Notes 5 & 7	10062-A			21109	Yes	21014-A			
190-1103	Note 7	10062-A			21109	Yes	21014-A			
190-1104	Notes 7 & 10	10062-A			21107					

NOTE 1—Use #21380-B Tank Assembly.

NOTE 2—Use #21048 Bracket and #7949 Strap.

NOTE 3—Use #10061-B Plate, #7941 Tank and #4536 Line.

NOTE 4—Use #3136 Oil Seal in lieu of #3026.

NOTE 5—Use #6819 Shorting Wire Terminal.

NOTE 6—Use #21351 Horn (Air), #4533 Tube (Breather), #10353 Sleeve, #5052 Elbow.

NOTE 7—Use #21327 Gasket, #21329 Ring.

NOTE 8—Use #14023 Carburetor, #21380-B Tank Assembly (Fuel).

NOTE 9—Use L/P Gas Parts List—Refer to Sec. III.

NOTE 10—Use Kerosene Parts: #10312 Head, #10365 Clip, #3576 Nipple, #4584 Valve, #4585 Cup.

NOTE 11—Use #5053 Connector—Hose.

NOTE 12—Use #6343 Muffler.

