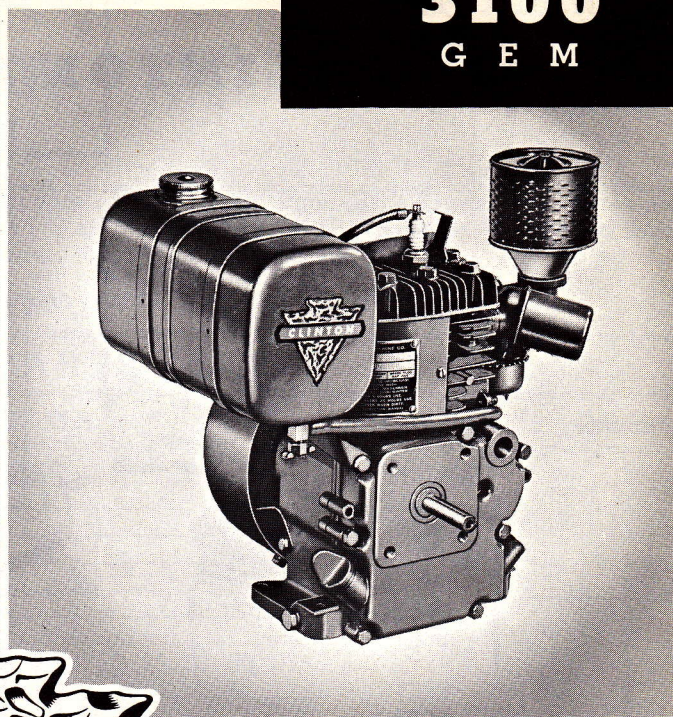
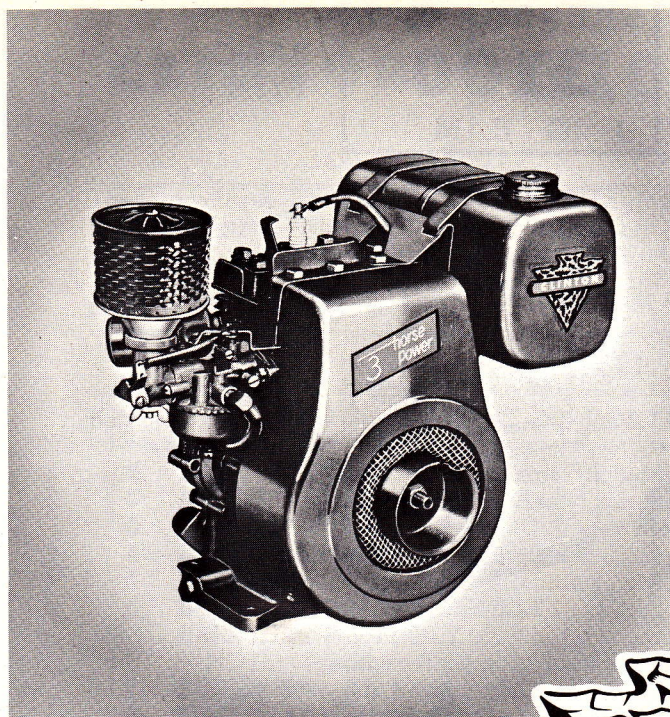


S E R I E S

3100

G E M



A Wide Range of Models are Made By

CLINTON

For Farm, Home and Industrial Use.

3100

H.P.	R.P.M.
2.42	2600
2.85	3100
3.0	3600

GENERAL SPECIFICATIONS

Model	Type	Description	Starter	Weight
3100	Air Cooled	Horizontal Shaft	Rope or Recoil	19

BORE: 2 $\frac{3}{8}$ "**STROKE:** 1 $\frac{7}{8}$ "**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:** 8.3 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, statically balanced.**MAIN BEARINGS:** 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.**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 on either side for easy check of oil level and for filling.**AIR CLEANER:** Filter 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:** Dark green or red heat-resisting enamel. Other colors upon special order.

STANDARD EQUIPMENT

Standard equipment includes: Air cleaner, dust and moisture proof, high voltage, flywheel magneto, float feed carburetor, fuel tank, muffler, blower housing screen, rope starter.

SPECIAL EQUIPMENT

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



WORLD'S LARGEST MANUFACTURER OF A COMPLETE LINE OF AIR-COOLED GASOLINE ENGINES

CLINTON ENGINES PROVIDE POWER

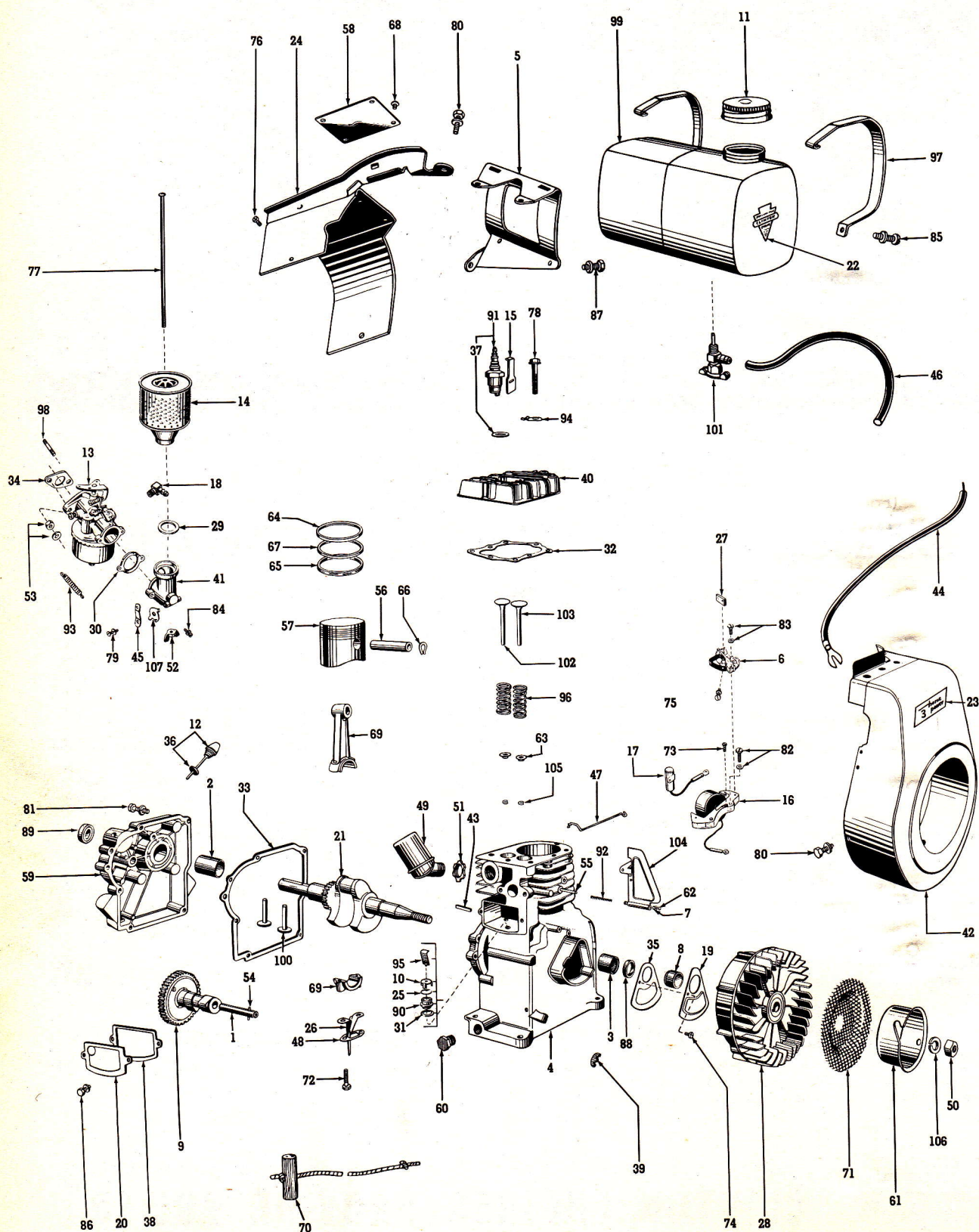
FOR FARM • HOME • INDUSTRIAL EQUIPMENT

PRINTED IN U.S.A.

CLINTON

S E R I E S
3100
G E M

BASIC
TYPE



CLINTON

S E R I E S
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**BASIC
TYPE**

**SEC. II, DIV. 3100
PARTS CATALOG**
Revised Sept., 1956
Supersedes April, 1956

There are three Basic Types of the 3100 Engine covered by this Basic Parts List. These three types are the 3100 Series—No Serial Number Suffix, referred to as "3100"; Serial Number Suffix A—referred to as "Type A"; and Model Number Suffix 1000—referred to as 3100-1000 Series.

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 Ass'y).....	21016	1
3	BEARING — Main (Sleeve) (Cylinder Block).....	10380	1
4	BLOCK ASSEMBLY — Cylinder.....	31201-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, 90, 95.		
7	BUSHING — Air Vane.....	7239	2
8	CAM — Magneto Breaker.....	5707	1
9	CAMSHAFT.....	31010	1
10	CAP — Breather.....	7151	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 3100 & Type A)	14014	1
	CARBURETOR ASSEMBLY—Clinton (Used on 1000 Series).....	14023	1
	(For Complete Identification of Carburetor, Refer to Sec. III, Div. A, Page 2)		
14	CLEANER ASSEMBLY — Air.....	4546-A	1
	NOTE: Cleaner Assembly includes Ref. No. 52.		
15	CLIP — Ignition Shorting.....	10368	1
16	COIL — Lamination Assembly (Magneto).....	5593-B	1
	COIL — Magneto (w/o Laminations).....	5593-A	1
17	CONDENSER — Magneto.....	5599-A	1
18	CONNECTOR — 90° Flex. Fuel Line (Carburetor).....	5052	1
19	COVER — Dust (Breaker Points).....	10382	1
20	COVER — Valve Chamber.....	10324	1
21	CRANKSHAFT.....	31300	1
	CRANKSHAFT — Used on 1000 Series.....	31314	1
22	DECAL — Arrowhead (Used on Type 3100 and Type A).....	3579	2
	DECAL — Arrowhead (Used on 1000 Series).....	4567	1
23	DECAL — Horsepower (Used on Type 3100).....	4560	1
24	DEFLECTOR ASSEMBLY — Air, Cylinder.....	10006	1
25	DISC — Breather.....	7152	1
26	DISTRIBUTOR — Oil.....	31017	1
27	FELT — Lubrication, Cam Follower.....	P5504	1
28	FLYWHEEL ASSEMBLY — With Magnets.....	5597-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.....	31011	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

CLINTON

S E R I E S
3100
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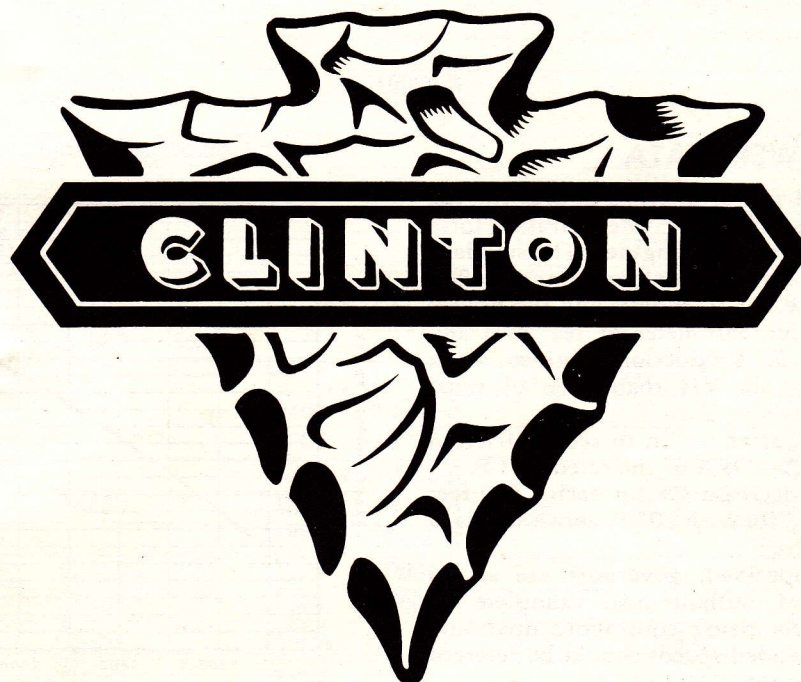
BASIC
TYPE

BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
45	LEVER — Speed Adjusting.....	4441	1
46	LINE — Fuel, Flexible.....	6340	1
47	LINK — Air Governor.....	21020	1
48	LOCK — Double, Connecting Rod Screw.....	31018	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 — ¼-28 Hex. (Carburetor Mtg.).....	3255-A	2
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, 64, 65, 66, 67.		
58	PLATE — Name.....	6530	1
59	PLATE ASSEMBLY — Bearing (Includes Ref. Nos. 2 and 89).....	10060-B	1
60	PLUG — ¼ N.P.T. (Oil Drain).....	3289	2
61	PULLEY — Starter.....	3299	1
62	RETAINER — Air Vane.....	4430	1
63	RETAINER — Valve Spring.....	3028	2
64	RING — Compression, Standard.....	6026	1
65	RING — Oil, Standard.....	6006	1
66	RING — Retainer, Wrist Pin.....	6034	2
67	RING — Scraper, Standard.....	6027	1
	RING SET — Standard.....	10023	1
	NOTE: Ring Sets are available in the following oversizes: .005, .010, .020, .030, and .040. Order by Part Number and Specify Oversize.		
	NOTE: Ring Set includes Ref. Nos. 64, 65, 67.		
68	RIVET — Tubular (4—Name Plate, 2—Flywheel Shield).....	5460	6
69	ROD ASSEMBLY — Connecting.....	31002-A	1
70	ROPE ASSEMBLY — Starter.....	4266	1
71	SCREEN — Revolving.....	7187	1
72	SCREW — H.H.C., ¼-28 x 1½ (Connecting Rod Cap).....	5433	2
73	SCREW — P.H.S.T., #6-32 x ¼ (Coil to Laminations).....	5641	1
74	SCREW — R.H.S.T., #6-32 x ¾ (Breaker Points Cover).....	5617	1
75	SCREW — R.H.M., #6-32 x ¼ (Breaker Points Terminal).....	5664	1
76	SCREW — S.H.H.S.T., #8-32 x ¾ (Deflector to Block).....	5644	2
77	SCREW — R.H.M., #10-24 x 6¼ (Air Cleaner to Air Horn).....	5636	1
78	SCREW — H.W.H., 5/16-18 x 1½ (Cylinder Head to Block).....	5654	8
79	SCREW — 10-32 x ¾" (Lever, Speed Adjusting).....	4440	1
80	SCREW & LOCKWASHER ASSEMBLY — H.H.C., ¼-20 x ¾ (1—Deflector to Block; 2—Blower Housing to Block).....	3632-G	3
81	SCREW & LOCKWASHER ASSEMBLY — H.H.C., ¼-20 x 1¼ (Bearing Plate to Block).....	5613-G	6
82	SCREW & LOCKWASHER ASSEMBLY — P.H.S.T., #10-24 x 1 (Laminations to Block).....	5430-A	2
83	SCREW & LOCKWASHER ASSEMBLY — R.H.M., #8-32 x ¾ (Breaker Points to Block).....	5444-F	1
84	SCREW & LOCKWASHER ASSEMBLY — R.H.M., #8-32 x ¾ (Air Horn to Carburetor).....	7113-A	2
85	SCREW & LOCKWASHER ASSEMBLY — R.H.M., #10-23 x 1 (Tank Straps to Bracket).....	5421-A	2
86	SCREW & LOCKWASHER ASSEMBLY — S.H.H.C., #10-24 x ½ (Valve Chamber Cover).....	5645-A	2

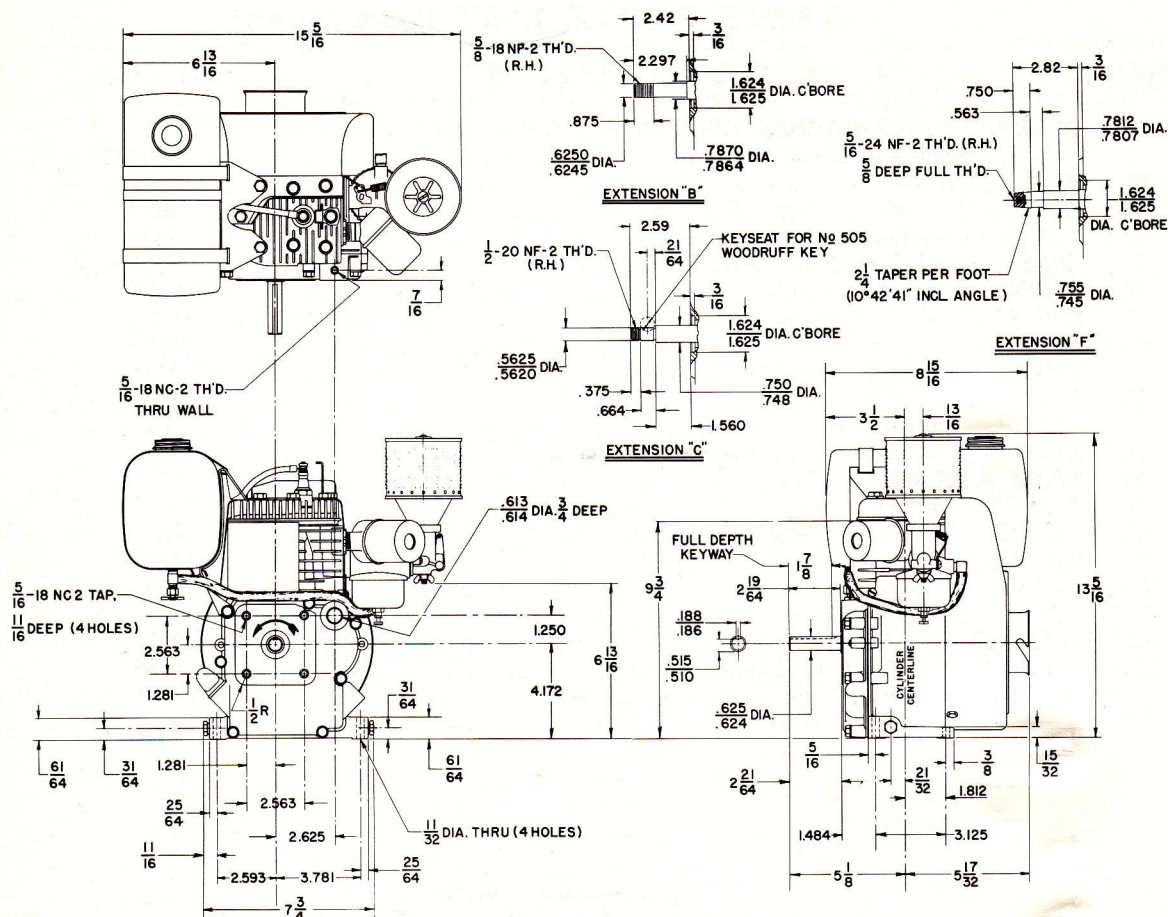
CLINTON**S E R I E S
3100
G E M****BASIC
TYPE**SEC. II, DIV. 3100
PARTS CATALOG
Revised Sept., 1956
Supersedes April, 1956**BASIC PARTS LIST (Continued)**

Ref. No.	PART DESCRIPTION	Part No.	Quantity
87	SCREW & LOCKWASHER ASSEMBLY — H.H.C., 1/4-20 x 1 3/8 (Tank Bracket to Block)-----	5663-G	1
88	SEAL — Oil (Block) -----	10012	1
89	SEAL — Oil (Bearing Plate Assembly)-----	3026	1
90	SEAT — Breather-----	4438	1
91	SPARK PLUG & GASKET ASSEMBLY-----	16303-A	1
92	SPRING — Compression (Air Vane)-----	10005	1
93	SPRING — Air Governor -----	10336	1
94	SPRING — Ignition Shorting Clip-----	10369	1
95	SPRING — Breather Hold-Down -----	10381	1
96	SPRING — Valve -----	3068	2
97	STRAP — Fuel Tank-----	7943	2
98	STUD — Carburetor Mounting-----	5659	2
99	TANK ASSEMBLY — Fuel-----	21051	1
100	TAPPET — Valve-----	10009	2
101	VALVE — Fuel Shut-Off, Flexible Line-----	5051	1
102	VALVE — Exhaust -----	10301	1
103	VALVE — Intake -----	10302	1
104	VANE — Air Governor-----	10393	1
105	WASHER — "C," Valve Keeper-----	3291	2
106	WASHER — Lock, 7/16 (Starter Pulley)-----	5499	1
107	WASHER — Spring Tension (Throttle Lever)-----	21305	1



DIMENSIONAL SPECIFICATIONS AND POWER DATA

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



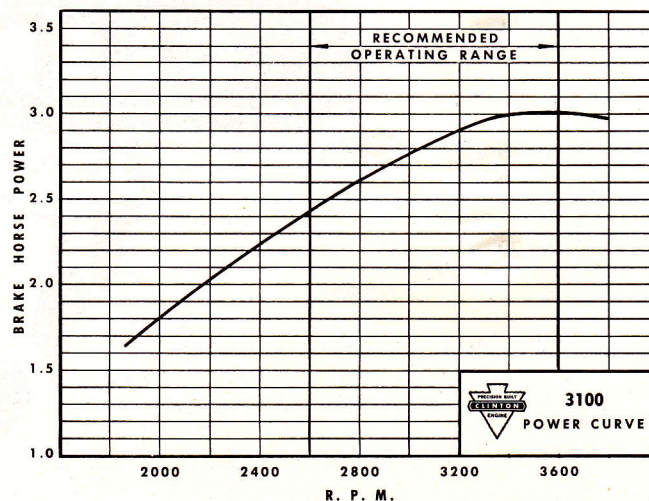
POWER DATA

The performance and power analysis figures for the Clinton Engine series show the rated Brake Horse Power developed from test-run engines. The standard engine equipped with standard air cleaner and muffler was used, in every case, for these tests and the figures have been corrected for barometer at sea level and temperature of 60° F. Production engines when shipped will develop not less than 85% of rated B.H.P.

Production engines, after run-in to reduce friction will develop not less than 95% of the rated B.H.P.

Engine power will decrease 3% for each 1,000 feet above sea level, and 1% for each 10° F. above standard temperature of 60° F.

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.



ENGINE DIVISION OF CLINTON MACHINE CO.

MAQUOKETA, IOWA

PRINTED IN U. S. A.

CLINTON

S E R I E S
3100
3100-1000
G E M

MODEL
VARIATIONS

SEC. II, DIV. 3100
 3100-1000
PARTS CATALOG
 Revised January, 1959
 Supersedes Mar., 1958

MODEL VARIATIONS OF 3100—3100-1000 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 3).	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.	PLATE ASSEMBLY — BEARING (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.	STARTER—RECOIL. Refer to Sec. III, Div. H for Parts List.	HOUSING ASSEMBLY — BLOWER (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.	REDUCTION GEAR (Assy. Nos. Shown). Refer to Sec. III, Div. C for Parts List.	REDUCTION GEAR MOUNTING POSITION—"Clock" position shows mounting of reduction unit in relation to Crankshaft.	BLOCK ASSEMBLY — CYLINDER (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.
3100-100			SK561								
3100-101			SK560	72"		10061-B	Yes	21014-A			
3100-102			SK560	72"			Yes	21014-A			
3100-103			SK560	72"							
3100-104			SK560	72"							
3100-105	Note 1		SK561								31202-A
3100-106	Note 1		SK561								31202-A
3100-107	Note 1		SK561			10060-B					31202-A
3100-108	Note 2										
3100-109	No Variation—Use Basic Parts List										
3100-110							Yes	21014-A			
3100-111	Note 3		SK560	72"			Yes	21014-A			
3100-112			SK560	72"			Yes	21014-A			
3100-113			SK560	72"		10061-B	Yes	21014-A			
3100-114	Note 1		SK561			10060-B	Yes	21014-A			31202-A
3100-115			SK560	72"							
3100-116			SK561				Yes	21014-A			
3120	Note 5				31302	10060-B			3552	6:00	
3120-100	Note 5				31302	10060-B			3552	6:00	
3160	Note 5				31306	10060-B			3800	6:00	
3160-100	Note 5		SK560	72"	31306	10060-B	Yes	21014-A	3800	12:00	
3160-101	Note 5				31306	10060-B			3800	6:00	
3160-102	Note 5		SK560	72"	31306	10061-B				9:00	
3100-1101			SK560	72"	31300	10061-A	Yes	21014-A			
3100-1102			SK560	72"	31300		Yes	21014-A			
3100-1103			SK560	72"	31300						
3100-1105	Notes 9, 14		SK560		31300						
3100-1106	Note 2		SK560		31300						31202
3100-1115			SK560		31300						
3100-1116	Notes 9, 12		SK560		31300		Yes	21014-A			
3100-1117					31300						
3100-1118	Note 1		SK561				Yes	21014-A			

CLINTON

S E R I E S
3100
3100-1000
G E M

**MODEL
VARIATIONS**

MODEL VARIATIONS OF 3100—3100-1000 SERIES (Cont.)

ENGINE MODEL	FOOTNOTES	CONTROL GROUP	CONTROL CABLE LENGTH	CRANKSHAFT	PLATE ASSEMBLY— BEARING	STARTER— RECOIL	HOUSING ASSEMBLY— BLOWER	REDUCTION GEAR	MOUNTING POSITION	BLOCK ASSEMBLY— CYLINDER
3100-1119						Yes	21014-A			
3100-1120				31300		Yes	21014-A			
3100-1121		SK560	72"	31300		Yes	21014-A			
3100-1122				31300						
3100-1123	No Variation—Use Basic Parts List									
3100-1124						Yes	21014-A			
3100-1125	Note 8	SK560		31300						31202
3100-1126	Notes 8, 9	SK560		31300		Yes	21014-A			31202
3100-1127	Notes 9, 10	SK560		31300						
3100-1128						Yes	21014-A			
3100-1129		SK560	72"			Yes	21014-A			
3100-1130	Notes 6, 10									
3100-1131		SK560				Yes	21014-A			
3100-1132	Note 10				10061-A					
3100-1133				31300						
3100-1134	Note 10				10061-A	Yes	21014-A			
3100-1135	Note 13									
3100-1136	Note 4									
3100-1137	Note 12					Yes	21014-A			
3100-1138	Notes 9, 10	SK560				Yes	21014-A			
3100-1139	Notes 9, 14	SK560				Yes	21014-A			
3100-1140	Notes 12, 15, 16, 17 18	SK562				Yes	21014-A			
3100-1141						Yes	21014-A			
3100-1142	Note 9	SK560	40"			Yes	21014-A			
3100-1143		SK560				Yes	21014-A			
3100-1144	Note 9	SK560		31300		Yes	21014-A			
3100-1145		SK560								
3100-1146	Notes 8, 9, 14	SK560				Yes	21014-A			31202
3100-1147	Notes 3, 9	SK560		31300	10061-A	Yes	21014-A			
3100-1148	No Variation—Use Basic Parts List									
3100-1149		SK560		31300		Yes	21014-A			
3100-1151	Notes 9, 19, 20				10061-A	Yes	21014-A			
3100-1152	Notes 21, 22			31300		Yes	21014-A			
3100-1153		SK560				Yes	21014-A			
3100-1154	Note 23	SK560	72"							
3100-1155					10061-D	Yes	21014-A			
3100-1156	Notes 3, 16, 18, 24	SK562		31300		Yes	21014-A			
3100-1157	Note 3									
3100-1158		SK560			10061-D					
3100-1159	Note 3					Yes	21014-A			
3120-1000	Note 5			31302				3552	6:00	

CLINTON

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3100					
3100-1000					
G E M					

**MODEL
VARIATIONS**

SEC. II, DIV. 3100
3100-1000
PARTS CATALOG
 Revised January, 1959
 Supersedes Mar., 1958

MODEL VARIATIONS OF 3100—3100-1000 SERIES (Cont.)

ENGINE MODEL	FOOTNOTES	CONTROL GROUP	CONTROL CABLE LENGTH	CRANKSHAFT	PLATE ASSEMBLY— BEARING	STARTER— RECOIL	HOUSING ASSEMBLY— BLOWER	REDUCTION GEAR	MOUNTING POSITION	BLOCK ASSEMBLY— CYLINDER
3120-1101	Note 5			31302				3552	6:00	
3140-1000	Note 5			31304				3554	6:00	
3140-1100	Note 5			31304				3554	6:00	
3160-1000				31306				3800	6:00	
3160-1100	Note 5	SK560	72"	31306		Yes	21014-A	3800	12:00	
3160-1101	Notes 5, 11			31306				3800	6:00	
3160-1102		SK560	72"	31306	10061-A			3800	9:00	
3160-1103				31306	10061-A			3800	6:00	
3160-1104	Note 8			31306				3800	9:00	
3160-1105	Note 5			31306		Yes	21014-A	3800	6:00	
3160-1106	Note 5	SK560		31306		Yes	21014-A	3800	6:00	
3160-1107	Notes 5, 9			31306				3800	9:00	
3160-1108	Note 5	SK560	72"	31306		Yes	21014-A	3800	12:00	
3190-1000	Note 6			31310	10062-A					
3190-1100	Note 6	SK560	72"	31310	10062-A	Yes	21014-A			
3190-1101	Note 5			31316	10062-A					
3190-1102	Note 5			31310	10062-A					
3190-1103	Notes 6, 11			31309	10062-A					
3190-1104	Notes 6, 25, 26			31318	10062					

NOTE 1—Use #10026-A Deflector Assembly, #21051 Tank Assembly, #21048 Bracket, two (2) #7949 Straps, #5613-G Screw & Lockwasher, #3205-G Screw & Lockwasher.

NOTE 2—This engine is basic 100 Series with following differences: #10203-B Block, #10026 Deflector, #21051 Tank, #21048 Bracket, two (2) #7949 Straps, #5613-G Screw & Lockwasher, #3205-G Screw & Lockwasher.

NOTE 3—Use Muffler #6343.

NOTE 4—Use #31012 Cylinder Head, #10365 Shorting Clip, #3576 Nipple, #4584 Valve (3-Way) and #4585 Priming Cup. These Parts to be Stocked by Factory Only.

NOTE 5—Use #3136 Oil Seal.

NOTE 6—Use #21327 Gasket, #21329 Ring.

NOTE 7—Use #7941 Tank Assembly.

NOTE 8—Use #5684 Pivot Pin Plug.

NOTE 9—Use #21351 Air Horn, #4533 Breather Tube, #10353 Sleeve and #5052 Elbow.

NOTE 10—Use #4512-A Air Cleaner and #5636 Screw.

NOTE 11—Use Radio Shielding Parts #5712-A Lead Assembly, #16363-A Spark Plug Assembly, #P5575-A Cup Assembly, and #5647 Screw.

NOTE 12—Use #6342 Muffler.

NOTE 13—Refer to L/P Gas Parts List—Sec. III.

NOTE 14—Use #31028 Bracket, #31029 Strap (2), #10026 Deflector, #5613-G Screw & L'Washer, #3205-G Screw & L'Washer.

NOTE 15—Use #4118 Horn, #4533 Breather Tube, #10353 Sleeve, #6354 Breather Assembly.

NOTE 16—Use #10356 Bracket, #3293 Screw (2).

NOTE 17—Use #10077-A Hinge and Strap Assembly.

NOTE 18—Use #4557 Air Cleaner.

NOTE 19—Use #5841 Plug and #5842 Screw.

NOTE 20—Use #21376-A Bracket, #21375-A Lever Assembly, #4488 Stop, #5681 Screw, #5463 Nut.

NOTE 21—Use #12051 Tank, #5051 Fuel Shut-Off.

NOTE 22—Use #21070 Body—Air Cleaner, #2132 Element, #2003 Cover, #5634 Screw.

NOTE 23—Use #5567-A Wire Ass'y, Ign. Shorting, #5566 Grommet, #5644 Screw, #10366 Grommet.

NOTE 24—Use #10407 Horn—Air, #10354 Tube—Breather, #10353 Mandrel, #6354 Breather Ass'y.

NOTE 25—Use #21306 Seal—Oil and #21328 Retainer—Bearing.

NOTE 26—Use #3670 Main Bearing.