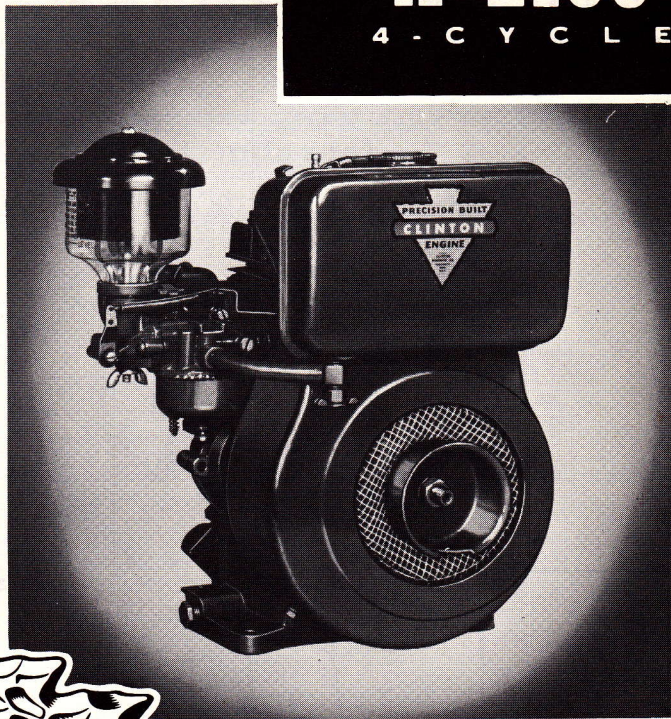
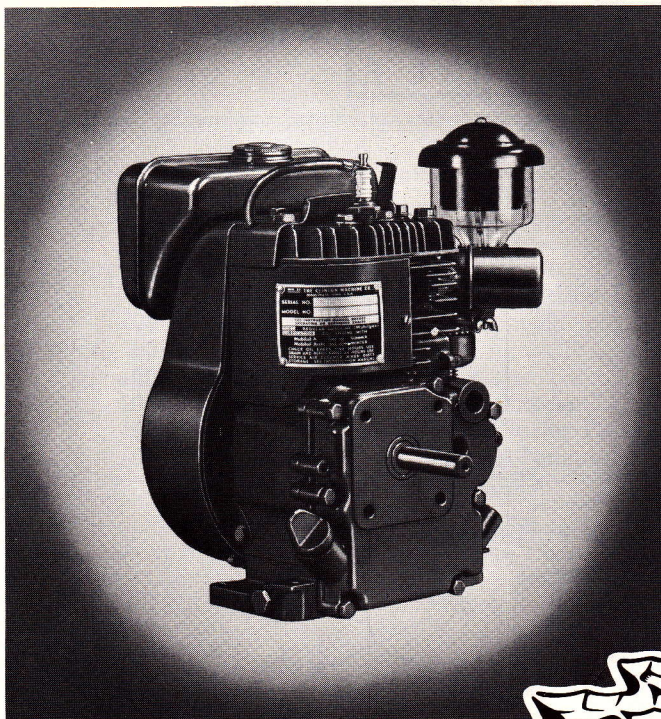


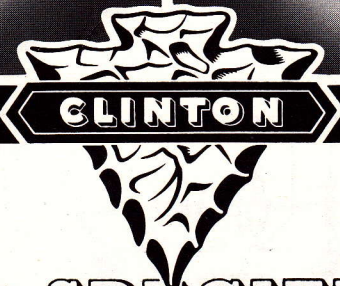
S E R I E S

A-2100

4 - C Y C L E



A Wide Range of Models are Made By



For Farm, Home and Industrial Use.

	H.P.	R.P.M.
A-2100	1.1.....	2200
	1.5.....	2800
	1.75.....	3600

GENERAL SPECIFICATIONS

Model	Type	Description	Starter	Weight
A-2100	4-Cycle Air Cooled	Horizontal Shaft	Rope or Recoil	19

BORE: 2 3/8"

STROKE: 1 3/8"

TYPE: 4 cycle, 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 inches.

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: Visible oil bath type.

FUEL TANK: One 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

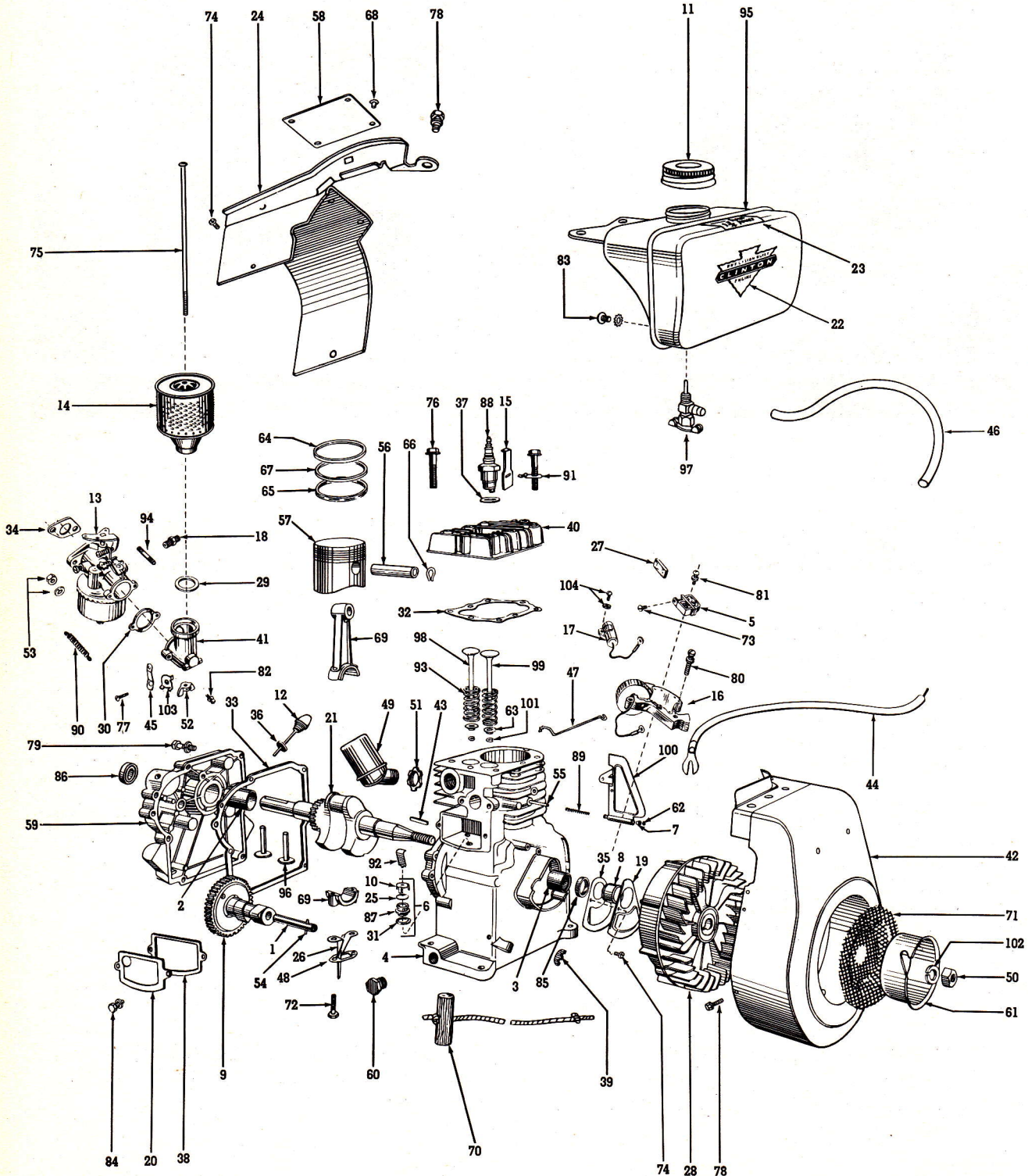
Special equipment includes: Remote governor control, throttle cables and stop, recoil starter.



MANUFACTURED IN A WIDE RANGE OF 2-CYCLE AND 4-CYCLE MODELS

CLINTON ENGINES PROVIDE POWER

FOR FARM • HOME • INDUSTRIAL EQUIPMENT



CLINTON

S E R I E S
A-2100
4 - C Y C L E

**BASIC
TYPES**
SEC. II, DIV. A-2100
PARTS CATALOG
 Revised March, 1956
 Supersedes Dec., 1955

There are two Basic Types of the A-2100 Engine covered by this Basic Parts List. Parts not used on all types are noted. 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 — 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-----	10201-A	1
5	BREAKER POINTS ASSEMBLY-----	P5543	1
6	BREATHER ASSEMBLY-----	6330	1
	NOTE: Breather Assembly includes Ref. Nos. 10, 25, 31, 87.		
7	BUSHING — Air Vane-----	7239	2
8	CAM — Magneto Breaker-----	10316	1
9	CAMSHAFT-----	21008	1
10	CAP — Breather-----	7151	1
11	CAP & GASKET ASSEMBLY — Fuel-----	4517-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
14	CLEANER ASSEMBLY — Air-----	4546-A	1
15	CLIP — Ignition Shorting-----	10368	1
16	COIL ASSEMBLY — Magneto (w/Laminations)-----	P5545	1
	COIL — Magneto (w/o Laminations)-----	P5538	1
17	CONDENSER — Magneto-----	P7219-1	1
18	CONNECTOR — Fuel Line-----	5053	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-----	21010	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-----	5710	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 — Engine Base-----	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-----	21007-D	1
43	KEY — Flywheel-----	10339	1
44	LEAD — Hi-Tension, Magneto-----	P2055	1
45	LEVER — Speed Adjusting-----	4441	1
46	LINE — Fuel, Flexible-----	6316	1
47	LINK — Carburetor to Air Vane-----	21020	1
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

CLINTON

S E R I E S
A-2100
4 - C Y C L E

BASIC
TYPES

BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
52	NUT — Wing (Air Cleaner).....	7044	1
53	NUT & LOCKWASHER ASSEMBLY — ¼-28 Hex.....	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.....	10001	1
	PISTON ASSEMBLY — Standard.....	10001-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.....	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 (Name Plate).....	5460	4
69	ROD ASSEMBLY — Connecting.....	10002-A	1
70	ROPE ASSEMBLY — Starter.....	4266	1
71	SCREEN — Revolving.....	7187	1
72	SCREW — H.H.C., ¼-28 x 1 ½ (Connecting Rod Cap).....	5635	2
73	SCREW — R.H.M., #6-32 x ¼ (Breaker Points Terminal).....	5664	1
74	SCREW — S.H.H.S.T., #8-32 x ¾ (2—Deflector to Block; 2—Dust Cover to Block).....	5644	4
75	SCREW — R.H.M., #10-24 x 6 ¼ (Air Cleaner to Air Horn).....	5636	1
76	SCREW — H.W.H., 5/16-18 x 1 ⅞ (Cylinder Head to Block).....	5654	8
77	SCREW — R.H.M., #10-32 x ¾ (Speed Adjusting Lever).....	4440	1
78	SCREW & LOCKWASHER ASSEMBLY — H.H.C., ¼-20 x ⅝ (1—Deflector to Block; 2—Blower Housing to Block).....	3632-G	3
79	SCREW & LOCKWASHER ASSEMBLY — H.H.C., ¼-20 x 1 ¼ (Bearing Plate to Block).....	5613-G	6
80	SCREW & LOCKWASHER ASSEMBLY — P.H.S.T., #10-24 x 1 (Laminations to Block).....	5430-A	2
81	SCREW & LOCKWASHER ASSEMBLY — R.H.M., #6-32 x 5/16 (Breaker Points to Block).....	5444-F	1
82	SCREW & LOCKWASHER ASSEMBLY — R.H.M., #8-32 x ¾ (Air Horn to Carburetor).....	7113-A	2
83	SCREW & LOCKWASHER ASSEMBLY — R.H.M., #10-23 x 1 (Blower Housing to Tank).....	5643-A	2
84	SCREW & LOCKWASHER ASSEMBLY — S.H.H.C., #10-24 x ½ (Valve Chamber Cover).....	5645-A	2
85	SEAL — Oil (Block).....	10012	1
86	SEAL — Bearing Plate Assembly.....	3026	1
87	SEAT — Breather.....	4438	1
88	SPARK PLUG & GASKET ASSEMBLY.....	16303-A	1
89	SPRING — Compression (Air Vane).....	10005	1
90	SPRING — Air Governor.....	10336	1
91	SPRING — Ignition Shorting Clip.....	10369	1
92	SPRING — Breather Hold-Down.....	10381	1
93	SPRING — Valve.....	3068	2
94	STUD — Carburetor Mounting.....	5659	2

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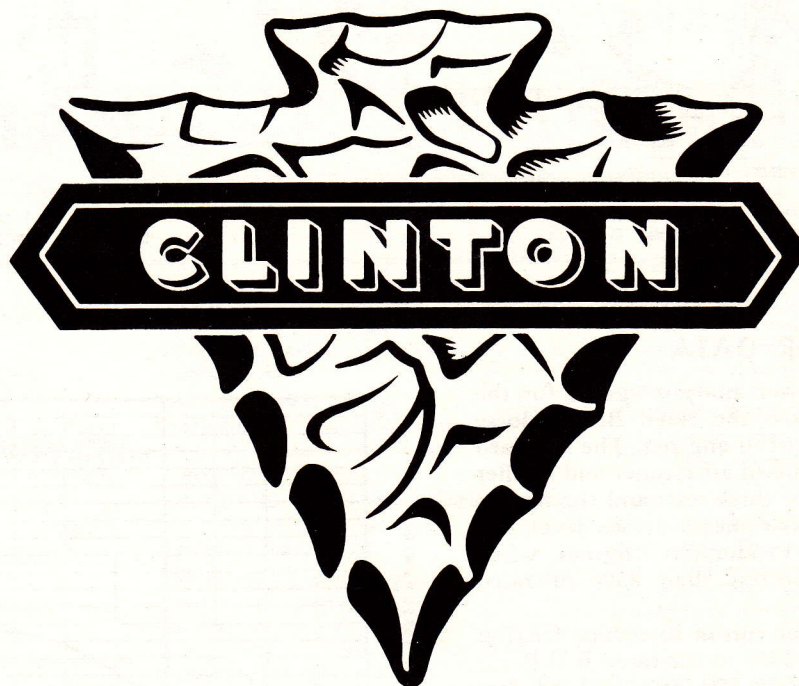
S E R I E S
A-2100
4 - C Y C L E

BASIC
TYPES

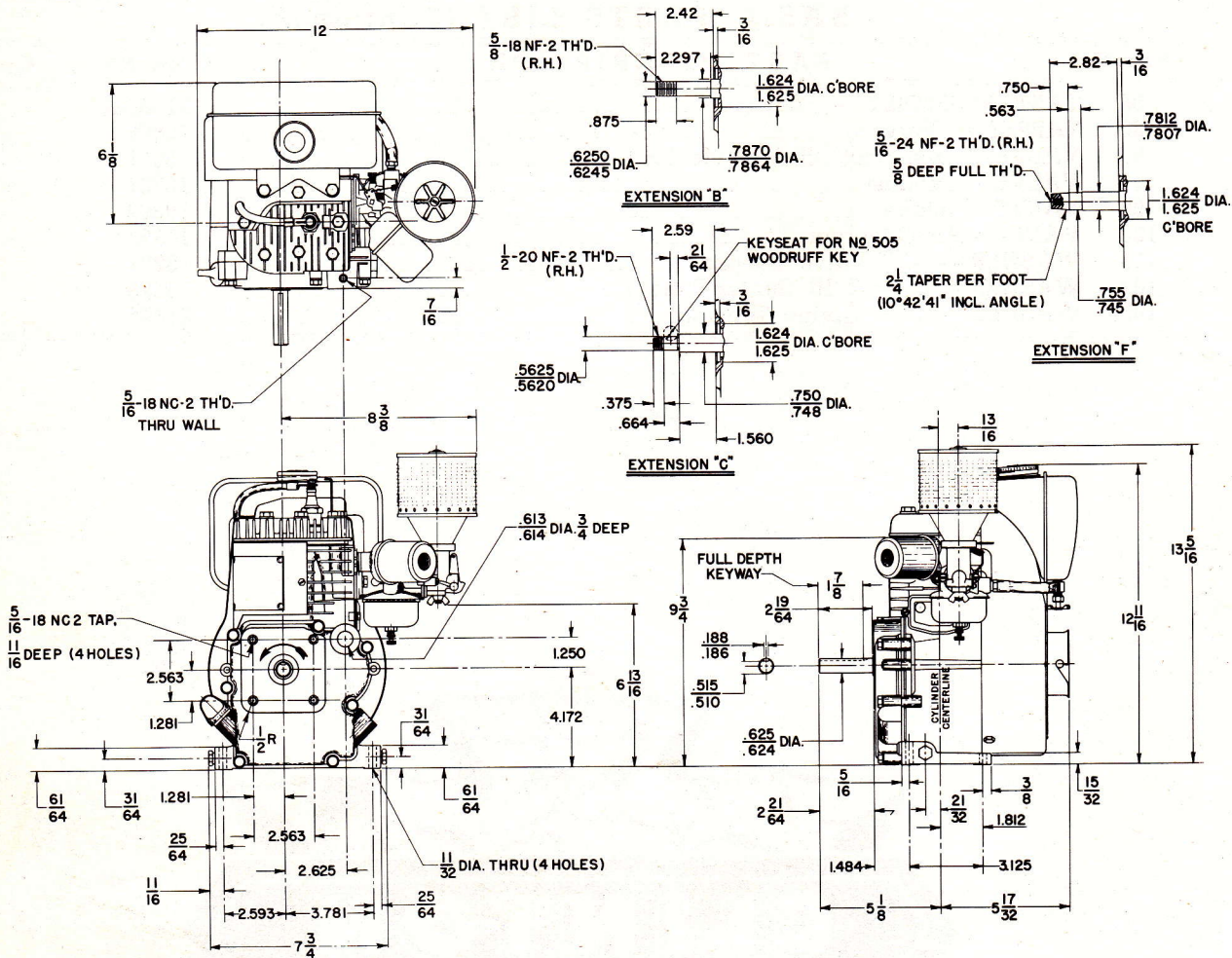
SEC. II, DIV. A-2100
PARTS CATALOG
Revised March, 1956
Supersedes Dec., 1955

BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
95	TANK ASSEMBLY — Fuel.....	21380-A	1
96	TAPPET — Valve.....	10009	2
97	VALVE — Fuel Shut-Off, Flexible Line.....	5051	1
98	VALVE — Exhaust.....	10301	1
99	VALVE — Intake.....	10302	1
100	VANE — Air Governor.....	10393	1
101	WASHER — "C," Valve Keeper.....	3291	2
102	WASHER — Lock, 7/16 (Starter Pulley).....	3275	1
103	WASHER — Lock, Spring Tension.....	21305	1



DIMENSIONAL SPECIFICATIONS AND POWER DATA



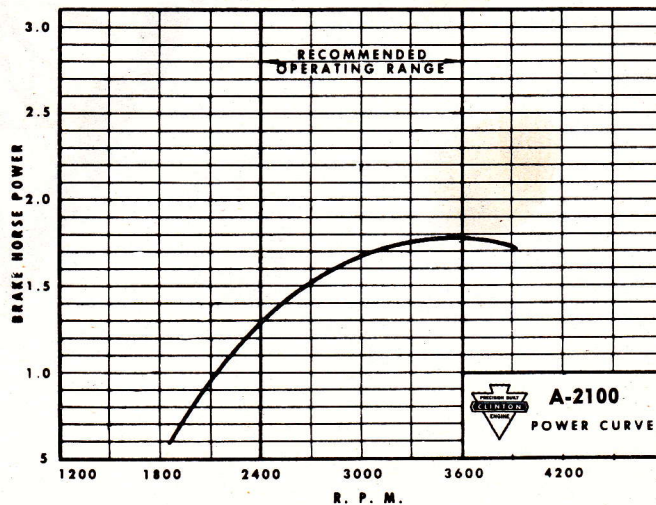
POWER DATA

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.



CABLE ADDRESS: ENGINES U. S. A.

ENGINE DIVISION OF CLINTON MACHINE CO.

MAQUOKETA, IOWA

PRINTED IN U. S. A.

CLINTON

S E R I E S A-2100 G E M

MODEL VARIATIONS

SEC. II, DIV. A-2100
PARTS CATALOG
Issued May, 1956

MODEL VARIATIONS OF A-2100 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."	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 (Assembly Numbers Shown). Refer to Sec. III, Div. H for Parts Lists.	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 Number Shown). Refer to Illustrated Basic Parts List for corresponding part.
A-2100-100	SK560	72"							
A-2100-101	SK560	72"			C6323	21013-F			
A-2100-102					C6323	21013-F			10202-B
A-2100-103									10202-B
A-2100-104	No Variation—Use Basic Parts List								
A-2100-105					10061-B				
A-2100-106					C6323	21013-F			
A-2100-107	SK560	72"							
A-2100-108	Notes 1 & 2				C6341	21013-F			
A-2100-109				21105					
A-2100-110	SK560	72"	21102						
A-2100-111	SK560	72"	21102		C6323	21013-F			
A-2100-112	No Variation—Use Basic Parts List								
A-2100-113	Note 8	SK560	21103		C6323	21013-F			
A-2100-114					C6323	21013-F			
A-2100-115				10061-B	C6323	21013-F			
A-2100-116	Notes 8 & 9	SK560			C6323	21013-F			
A-2100-117	Note 8	SK560							
A-2100-118	Note 2			10061-B	C6341	21013-F			
A-2100-119		SK560							
A-2100-120		SK560			C6323	21013-F			
A-2100-121			21102						
A-2100-122	Note 3	SK560			C6341	2013-F			
A-2100-123				10061-B					
A-2100-124	Note 8	SK560	21103		C6341	2013-F			
A-2100-125		SK560			C6341	2013-F			
A-2100-126	No Variation—Use Basic Parts List								
A-2100-127					C6341	2013-F			
A-2100-128				10061-B	C6341	2013-F			
A-2100-129					C6341	21013-F			10202-B
A-2100-130									10202-B
A-2100-131			21102						
A-2100-132	SK560	72"			6341	21013-F			

CLINTON

S E R I E S
A-2100
G E M

**MODEL
VARIATIONS**

MODEL VARIATIONS OF A-2100 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
A-2100-133						6341	21013-F			
A-2100-134		SK560	72"	21102		6341	21013-F			
A-2100-135						6341	21013-F			
A-2100-136	Note 8									
A-2120				21111	10060-D			3552	6:00	
A-2140-100	Note 4	SK560	78"		10060-D			3554	6:00	
A-2140-101		SK560		21104	10060-D			3554	6:00	
A-2160				21106	10060-D			3800	6:00	
A2160-101		SK560		21106	10060-D			3800	6:00	
A-2190-100	Note 5			21107	10062-A					
A-2190-102	Note 5			21112	10062-A					

NOTE 1—Use 3639 Muffler, and 7274 Elbow in lieu of 4500.

NOTE 2—Use 6331 Air Cleaner Assembly in lieu of 4546-A.

NOTE 3—Use 4512-A Air Cleaner in lieu of 4546-A.

NOTE 4—Use 7157 Stop, Additional Part.

NOTE 5—Use 21327 Gasket, 21329 Ring, Additional Parts.

NOTE 6—Use 3136 Seal in lieu of 3026.

NOTE 7—Use 21051 Tank, 21052 Bracket, 7943 Strap, 5421-A Screw & L'Washer Assembly.

NOTE 8—Use 21351 Horn, 4533 Breather Tube, 10353 Sleeve, 5052 Connector.

NOTE 9—Use 5567-A Wire Assembly, 5644 Screw, 10366 Grommet and 5566 Grommet.