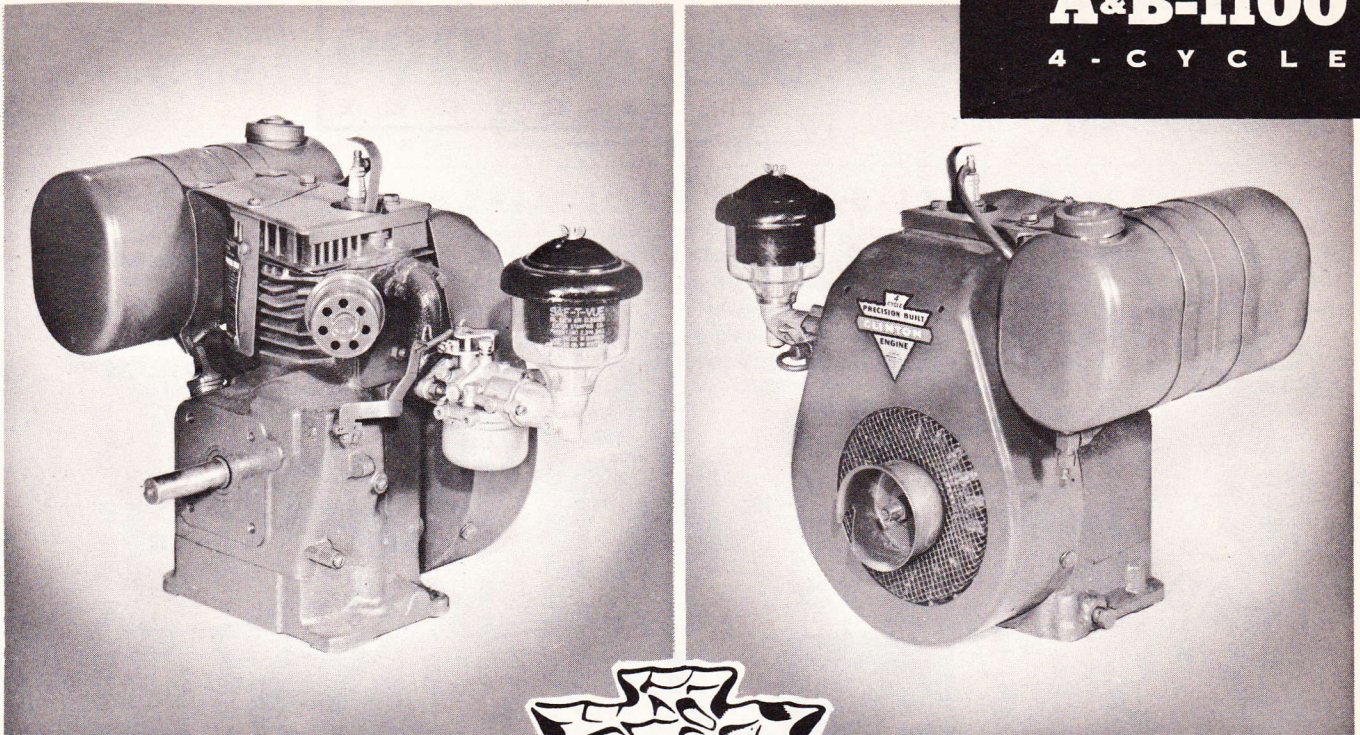


S E R I E S
A & B-1100
 4 - C Y C L E



A Wide Range of Models are Made By

CLINTON

For Farm, Home and Industrial Use.

A & B-1100

H.P.	R.P.M.
2.2	2400
2.75	3000
3.0	3600

GENERAL SPECIFICATIONS

Model	Type	Description	Starter	Weight
A & B-1100	4-Cycle Air Cooled	Horizontal Shaft	Rope or Recoil	43 ³ / ₄

BORE: 2³/₈"

STROKE: 1⁷/₈"

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: 8.3 cubic inches.

IGNITION: Very high voltage magneto for faster starting. Moisture and dust proof with fully enclosed ignition points.

SPARK PLUG: 14 mm.

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

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

GOVERNOR: Flyball type, entirely enclosed, running in oil, accurate, dependable.

MAIN BEARINGS: Steel backed babbit.

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, extended skirt for longer ring life. Treated surface.

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

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

VALVE TAPPETS: Hardened and ground.

CYLINDER AND CRANKCASE: Close grained gray iron, metallurgically controlled in our own foundry.

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

OIL FILLER: Most conveniently located automotive type bayonet dipstick integral with filler cap. Easily removable for both filling and checking.

AIR CLEANER: Visible oil bath type.

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

OIL RESERVOIR: One and one-fourth pints capacity.

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

FINISH: Heat resistant, dark green enamel. Other colors available upon request.



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

CLINTON ENGINES PROVIDE POWER

FOR FARM • HOME • INDUSTRIAL EQUIPMENT

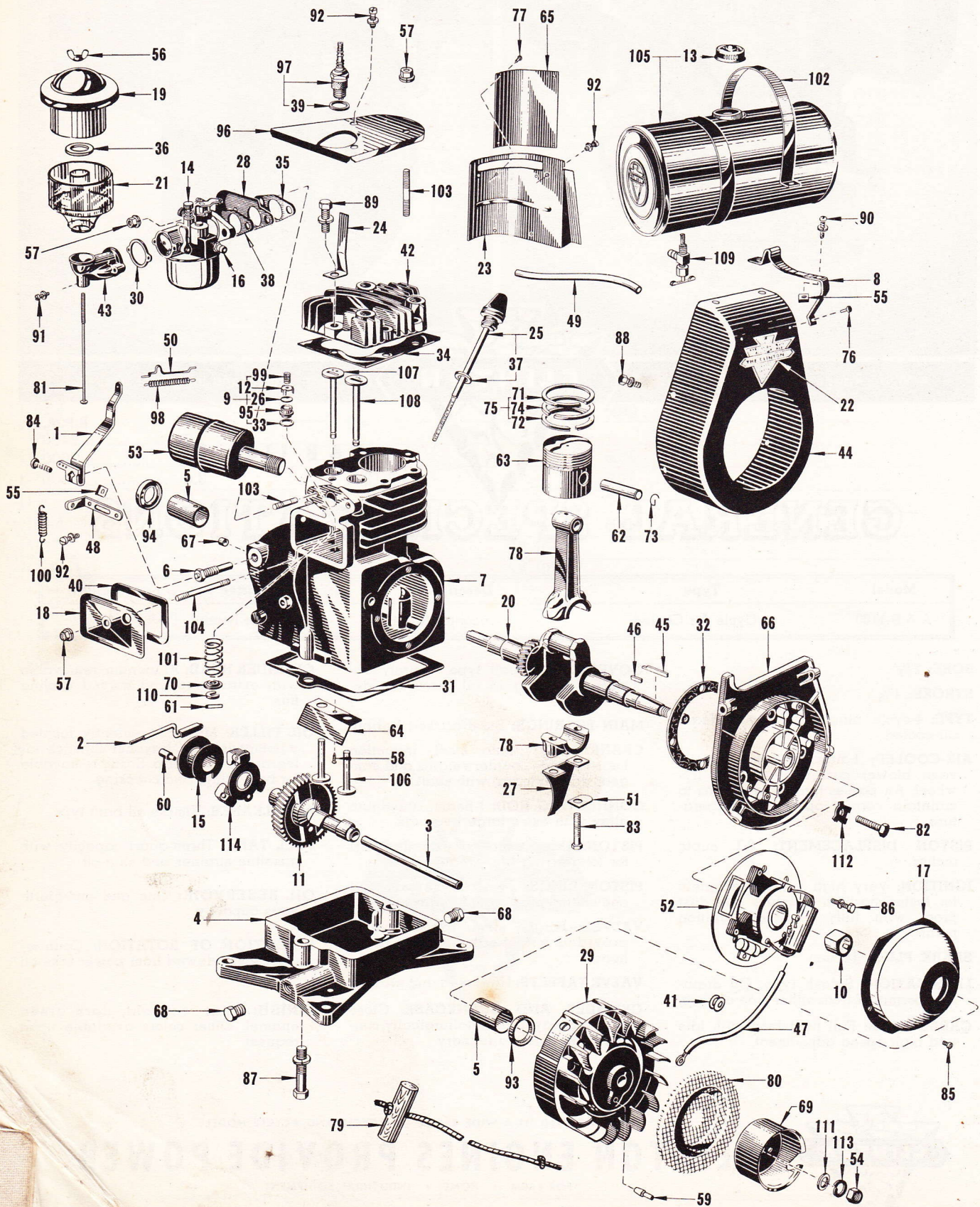
PRINTED IN U.S.A.

SEC. II, DIV. A-1100
B-1100
PARTS CATALOG
Revised July, 1955
Supersedes Oct., 1953

CLINTON

S E R I E S
A & B - 1 1 0 0
4 - C Y C L E

BASIC
TYPES



CLINTON

S E R I E S
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BASIC
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The A & B-1100 Engines were manufactured without Serial Number Suffix. The A-1100 Series Engine with no Serial Number Suffix is equipped with the Zenith and Tillotson Carburetors, and is referred to as the "A-1100." The B-1100 Series Engine with no Serial Number Suffix is equipped with the Carter Carburetor, and is referred to as the "B-1100." Both of these Engines are equipped with the Scintilla Magneto. Parts not used on both Models are noted.

*The asterisk preceding any Part Description means this Part is different on certain Models.

Check for Model Variations following this Basic Parts List.

NOTE: See page no. (a) on "How to Identify Your Clinton Engine."

BASIC PARTS LIST — ALL TYPES

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
1	Arm — Governor Throttle — used on B-1100	3519-1	1
	Arm — Governor Throttle — used on A-1100	3072	1
2	Arm and Weight Assembly — Governor	3Q67-78	1
	NOTE: See Sec. III, Div. D.		
3	Axle — Camshaft	3593-A	1
4	*Base — Engine	6025	1
5	*Bearing — Main (1—Bearing Plate, 1—Block)	3024	2
6	Bearing — Shaft, Governor Throttle	3073	1
7	*Block Assembly — Cylinder	6082	1
8	*Bracket — Fuel Tank Support	6044	2
9	Breather Assembly	7150-A2	1
	NOTE: Component parts of Breather Assembly 7150-A2 not interchangeable with Breather Assembly used in this Engine when manufactured. To replace one or more parts, install complete Breather Assembly. Assemblies includes Ref. Nos. 12, 26, 33, 95 and 99.		
10	Cam — Breaker Points	3105	1
11	Camshaft	6041	1
12	Cap — Breather	7151	1
13	Cap and Gasket Assembly — Fuel	3059	1
14	Carburetor Assembly — (Carter) — used on B-1100	C6230	1
	Carburetor Assembly — (Zenith) — used on A-1100	C3925	1
	NOTE: See Sec. III, Div. A.		
	Cleaner Assembly — Air	4512-A	1
	NOTE: See Sec. III, Div. F, for component parts.		
	NOTE: Cleaner Assembly includes Ref. Nos. 19, 21, 36 and 56.		
	Cleaner Assembly — Air	7217-A	1
	NOTE: Component parts not interchangeable with 4512-A. See Sec. III, Div. F, for component parts. Not available as an Assembly.		
15	Collar Assembly — Governor	3063-1	1
	Connector — Brass, 1/8 (Valve and Filter Ass'y to Fuel Tank) — used on C3500-A	3576	1
	NOTE: See Sec. III, Div. G.		
16	Connector — Flexible Fuel Line (Carburetor)	5053	1
	Connector — Fuel Line, Brass	3562	1
	NOTE: See Sec. III, Div. G.		
17	*Cover — Dust, Breaker Points	3594	1
18	Cover — Valve Chamber	3035	1
19	Cover and Element — Air Cleaner	4512	1
	Cover — Air Cleaner	7217-1	1
	NOTE: See Sec. III, Div. F.		
20	*Crankshaft	6059	1
21	Cup — Air Cleaner, Lower	4513	1
	Cup — Air Cleaner, Lower	7217-2	1
	NOTE: See Sec. III, Div. F.		
22	Decal — Arrowhead	3579	3

CLINTON



BASIC
TYPES

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
23	Deflector — Air	6032	1
24	Device — Shorting Clip (Spark Plug)	3599	1
25	Dipstick Assembly — Oil Filler	3295	1
	Dipstick Assembly — Oil Filler	3188	1
	NOTE: Dipstick Assembly includes Ref. No. 37.		
26	Disc — Breather	7152	1
27	Distributor — Oil	4007	1
	Element — Filter, Air Cleaner	7217-3	1
	NOTE: See Sec. III, Div. F.		
	Engine Repair Kit	6307	1
	NOTE: See Sec. VIII, Div. A, Bulletin 57.		
28	Fin — Cooling	3134	3
	NOTE: Fins can be eliminated by using 6002 Gasket.		
29	*Flywheel Assembly	6042	1
30	Gasket — Air Horn — used on B-1100 (used on Carter Carburetor)	3990	1
	Gasket — Air Horn — used on A-1100 (used on Zenith Carburetor)	3127	1
31	Gasket — Base	6031	1
32	Gasket — Bearing Plate (Standard, .015 thick)	3056	1
	NOTE: Gaskets are also available in the following thicknesses: .005, .010 and .020. Order by Part No. and specify thickness.		
33	Gasket — Breather	7153	1
34	Gasket — Cylinder Head	6141	1
35	Gasket — Manifold, Asbestos (Fins to Block)	7149	1
	NOTE: To eliminate use of 3134 Fins and 7168 Paper Gasket, use 6002 Asbestos Gasket.		
	Gasket — Manifold, Asbestos (Carburetor to Block)	6002	1
	NOTE: Replaces Fins, 7149 and 7168 Gaskets.		
36	Gasket — "O" Ring, Air Cleaner (Element to Cup)	4515	1
37	Gasket — Oil Filler Cap, Dipstick	3131	1
38	Gasket — Paper (Fins to Carburetor)	7168	3
39	Gasket — Spark Plug	3115	1
40	Gasket — Valve Chamber Cover	3057	1
	Gasket Kit — Engine Overhaul	6031-A	1
	Gasket Kit — Engine Overhaul (With Speed Reducer Units)	6031-B	1
	NOTE: See Sec. VIII, Div. A, Bulletin 48.		
	NOTE: Kit contains all necessary Gaskets and Oil Seals.		
41	Grommet — High Tension Lead	3283	1
42	Head — Cylinder	6140	1
43	Horn — Air Cleaner — used on B-1100 (used on Carter Carburetor)	3991	1
	Horn — Air Cleaner — used on A-1100 (used on Zenith Carburetor)	3061	1
44	Housing — Blower	3049	1
45	Key — Flywheel	3101	1
46	Key — Magneto	3100	1
47	Lead — High Tension, Magneto	P5521	1
48	Lever — Speed Adjusting	3075	1
49	*Line — Fuel, Flexible	6316	1
	*Line — Fuel	3513	1
	NOTE: See Sec. III, Div. G.		
50	Link — Carburetor to Governor Arm	3074	1
51	Lock — Connecting Rod Screw	3027	2
52	Magneto	C3400	1
	NOTE: See Sec. III, Div. E.		

CLINTON

S	E	R	I	E	S
A&B-1100					
4 - C Y C L E					

BASIC
TYPES

SEC. II, DIV. A-1100
B-1100
PARTS CATALOG
Revised July, 1955
Supersedes Oct., 1953

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
53	Muffler — Tubular	3639	1
	Nipple — Close Up, 1/2" Pipe Thread — used with 3188 Dipstick	3094	1
54	Nut — Hexagon, 7/16-20 (Starter Pulley)	3250	1
55	Nut — Square, #10-24 (1-Arm to Governor Lever, 2-Tank Straps to Bracket)	3253	3
56	Nut — Wing (Air Cleaner Screw)	7044	1
57	Nut & L'washer Ass'y — Hexagon, 1/4-28 (2—Carburetor Studs, 2—Straps to Head, 1—Valve Cover Stud)	3255-A	5
58	Pin — Drive (Baffle Plate to Block)	3569	1
59	Pin — Flywheel	3102	1
60	Pin — Retaining (Governor Yoke)	3656	1
61	Pin — Valve (For use with drilled valves only)	3029	2
	NOTE: Standard Valves, as originally supplied, use Retaining Pin 3029. When replacement Valves are used, pin type Retainer must be replaced by washer type Retainer 3291.		
62	Pin — Wrist	6024	1
63	Piston — Standard	6021	1
	Piston Assembly — Standard	6063	1
	NOTE: Piston Assemblies are also available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part No. and specify oversize.		
	NOTE: Piston Assembly includes Ref. Nos. 62, 63, 73 and 75.		
64	Plate — Baffle, Crankcase	3559	1
65	Plate — Name, Clinton Engines	6530	1
66	Plate — Bearing	4245	1
	NOTE: Bearing Plate includes Ref. Nos. 5 and 93.		
67	Plug — Camshaft Axle	3281	1
68	Plug — Oil Drain	3289	2
69	Pulley — Starter	3299	1
70	Retainer — Valve Spring	3028	2
71	Ring — Compression, Standard	6026	1
72	Ring — Oil, Standard	6028	1
73	Ring — Retainer, Wrist Pin	6034	2
74	Ring — Scraper, Standard	6027	1
75	Ring Set — Standard	6106	1
	NOTE: Ring Set are also available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part No. and specify oversize.		
	NOTE: Ring Set includes Ref. Nos. 71, 72 and 74.		
76	Rivet — Tubular, 3/16 x 9/32 (Bracket to Blower Housing)	3619	2
77	Rivet — Tubular, Name Plate	3660	4
78	Rod Assembly — Connecting	6107	1
	NOTE: Rod Assembly includes Ref. Nos. 51 and 83.		
79	Rope Assembly — Starter	4266	1
80	Screen — Revolving	7265	1
81	Screw — F.H., #10-24 x 5-5/8 (Air Cleaner)	7249	1
82	Screw — H.H.C., 1/4-28 x 3/4 (Bearing Plate to Block)	5431	4
83	Screw — H.H.C., 1/4-28 x 1-1/4 (Connecting Rod Cap)	3235	2
84	Screw — R.H.M., #10-24 x 5/8 (Governor Throttle Arm)	3211	1
	NOTE: See Sec. III, Div. D.		
85	Screw — R.H.M., #6-32 x 1/4 (Magneto Cover)	3202	3
86	Screw & L'washer Ass'y — F.H., #10-32 x 3/4 (Magneto to Bearing Plate)	3233-A	4
87	Screw & L'washer Ass'y — H.H.C., 7/16-20 x 2 (Base to Block)	6076-G	2
88	Screw & L'washer Ass'y — H.H.C., 1/4-20 x 1/2 (Blower Housing to Bearing Plate)	3205-G	4

CLINTON



BASIC
TYPES

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
89	Screw & L'washer Ass'y — H.H.C., 5/16-18 x 1-1/4 (Cylinder Head to Block)	6055-D	6
90	Screw & L'washer Ass'y — H.H.C., 1/4-28 x 1 (Straps to Bracket)	7205-A	2
91	Screw & L'washer Ass'y — R.H.M., #8-32 x 3/4 (Air Horn to Carburetor)	7113-G	2
92	Screw & L'washer Ass'y — R.H.M., #10-32 x 3/8 (1—Cylinder Head Shield, 2— Deflector to Head, 1—Speed Adjusting Lever)	3222-F	4
93	Seal — Oil (Bearing Plate)	3136	1
94	Seal — Oil (Cylinder Block)	3026	1
95	Seat — Breather	7150	1
96	Shield — Cylinder Head	6139	1
97	Spark Plug and Gasket Assembly	3568	1
98	Spring — Backlash, Governor to Carburetor	3097	1
99	Spring — Breather Hold Down	7154	1
100	Spring — Governor	4001	1
101	Spring — Valve — used on B-1100	3068-B	2
	Spring — Valve — used on A-1100	3068	2
102	Strap — Fuel Tank	6045	2
103	Stud — 1/4-28 x 1 (2—Carburetor to Block, 2—Cylinder Head)	6155	4
104	Stud — Valve Chamber Cover	3042	1
105	*Tank Assembly — Fuel	6067	1
	NOTE: Tank Assembly includes Ref. No. 13.		
106	Tappet — Valve	3034	2
107	Valve — Exhaust, Standard Stem	3031-1	1
	Valve — Exhaust, Oversize Stem (Approx. 9/32 Dia.)	3031-2	1
	NOTE: Standard Valve 3031, as originally supplied, uses Retaining Pin 3029 When replacement Valves 3031-1 and 3031-2 are used, the pin type Retainer must be replaced by washer type Retainer 3291.		
108	Valve — Intake, Standard Stem	3032-1	1
	Valve — Intake, Oversize Stem (Approx. 9/32 Dia.)	3032-2	1
	NOTE: Standard Valve 3032, as originally supplied, uses Retaining Pin 3029 When replacement Valves 3032-1 and 3032-2 are used, the pin type Retainer must be replaced by washer type Retainer 3291.		
109	*Valve — Fuel, Shut-Off — used on B-1100	5050	1
	*Valve and Filter Assembly — Fuel Shut-Off — used on A-1100	C3500-A	1
	NOTE: See Sec. III, Div. G.		
110	Washer — "C", Valve Keeper	3291	2
	NOTE: Standard Valves, as originally supplied, use Retaining Pin 3029. When replacement Valves are used, pin type Retainer must be replaced by washer type Retainer 3291.		
111	Washer — Flat, 7/16 (Starter Pulley)	5482	1
112	Washer — Lock, Tab Type (Bearing Plate)	5480	4
113	Washer — Lock, 7/16 (Starter Pulley)	3275	1
114	Weight Assembly — Governor Yoke	4205	1

AVAILABLE OVERHAUL KITS

Engine Model	Description	Kit No.
A & B-1100	Gasket Overhaul Kit	6031-A
*A & B-1100	Gasket Overhaul Kit	6031-B
All Types	Engine Repair Kit	6307
B-1100	Carburetor Repair Kit (Carter)	C3964

*With Speed Reducer Unit.

CLINTON

S E R I E S
A&B-1100
4 - C Y C L E

MODEL
VARIATIONS

SEC. II, DIV. A-1100
B-1100
PARTS CATALOG
Revised July, 1955
Supersedes Oct., 1953

MODEL VARIATIONS OF A&B-1100 SERIES

The adaptation of Clinton Engines to a wide variety of uses result 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".	BLOCK ASSEMBLY—CYLINDER, (Parts Number Shown) refer to Illustrated Basic Parts List for corresponding part.	BEARING—MAIN, (Part Numbers Shown) Refer to Illustrated Basic Parts List for location of corresponding part.	COVER—DUST, BREAKER POINTS, (Part Numbers Shown) refer to Illustrated Basic Parts List for location of corresponding part.	STARTER—KICK OR RECOIL, (Assembly Numbers Shown) refer to Sec. III, Div. C and Div. H for Parts Lists.	FUEL SYSTEM, (Illustration Numbers Shown) Refer to Sec. III, Div. G for Parts List.	CONTROL GROUP, (Control Group Illustration Numbers Shown) refer to Sec. III, Div. D for Parts List.	BASE—ENGINE, (Part Numbers Shown) refer to Sec. IV, Div. A for details and further information.	CRANKSHAFT, (Part Numbers Shown) refer to Sec. IV, Div. B for details and further information.	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.
1100-1	No Variation, use Basic Parts List.									
1100-4	No Variation, use Basic Parts List.									
1100-6	No Variation, use Basic Parts List.									
1100-10					SK-904		5040			
1100-13					SK-904					
1100-AM	No Variation, use Basic Parts List.									
1100-AMR6								6049	3800	6:00
1100-AMS		3720					6036			
1100-M	No Variation, use Basic Parts List.									
1100-MRG								6049-1	3800	6:00
1101	No Variation, use Basic Parts List.									
1101-1	No Variation, use Basic Parts List.									
1101-2	No Variation, use Basic Parts List.									
1102	No Variation, use Basic Parts List.									
1102-1	No Variation, use Basic Parts List.									
1102-3						SK-101-1				
1102-4						SK-101-1				
1102-6					SK-904	SK-101-1				
1102-8	No Variation, use Basic Parts List.									
1102-11					SK-904					
1102-12						SK-101-1				
1102-14	No Variation, use Basic Parts List.									
1102-18	No Variation, use Basic Parts List.									
1102-19						SK-101-1				
1103						SK-165-1				
1103-2						SK-165-1				
1104					SK-904	SK-101-1	5040			
1104-2						SK-165-1				
1104-3						SK-101-1				
1120-2								6091	3552	6:00
1121-4					SK-904			6091	3552	6:00
1122								6091	3552	12:00
1122-1								6091	3552	3:00
1127							5040			
1140-2								6089	3554	6:00

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MODEL
 VARIATIONS

MODEL VARIATIONS OF A&B-1100 SERIES (Cont.)

For more complete description refer to first page of the Model Variations.

Eng. Mod.	Blk. Assy.	Bearing	Cover	Starter	Fuel	Con. Grp.	Base-Eng.	Crank.	Red Gr.	Pos'tn.
1140-4						SK-101-1		6089	3554	9:00
1141-4						SK-101-1		6089	3554	9:00
1142-2								6089	3554	6:00
1160								6049	3800	12:00
1160-2								6049	3800	6:00
1161-2								6049	3800	6:00
1162-1								6049	3800	3:00
1162-2								6049	3800	6:00
1162-3								6049	3800	9:00
1162-4						SK-101-1		6049	3800	9:00
1162-6						SK-314-1		6049	3800	12:00
1162-7						SK-101-1		6049	3800	6:00
1162-13						SK-101-1		6049	3800	6:00
1162-14						SK-101-1		6049	3800	9:00
1162-17						SK-165-1	5040	6049	3800	9:00
1163-4						SK-314-1	5040			
1164					SK-904					
1170				3720				6036		
1170-1				3720				6036		
1172				3720				6036		
1188-4				3720		SK-101-1	6036	6049	3800	
†1190-1	6133	3760				SK-101-1		6127		
††1192-1						SK-101-1		6132		

† Oil seal 6130 and washer 6129 also required.

†† Oil seal 6130 also required.

