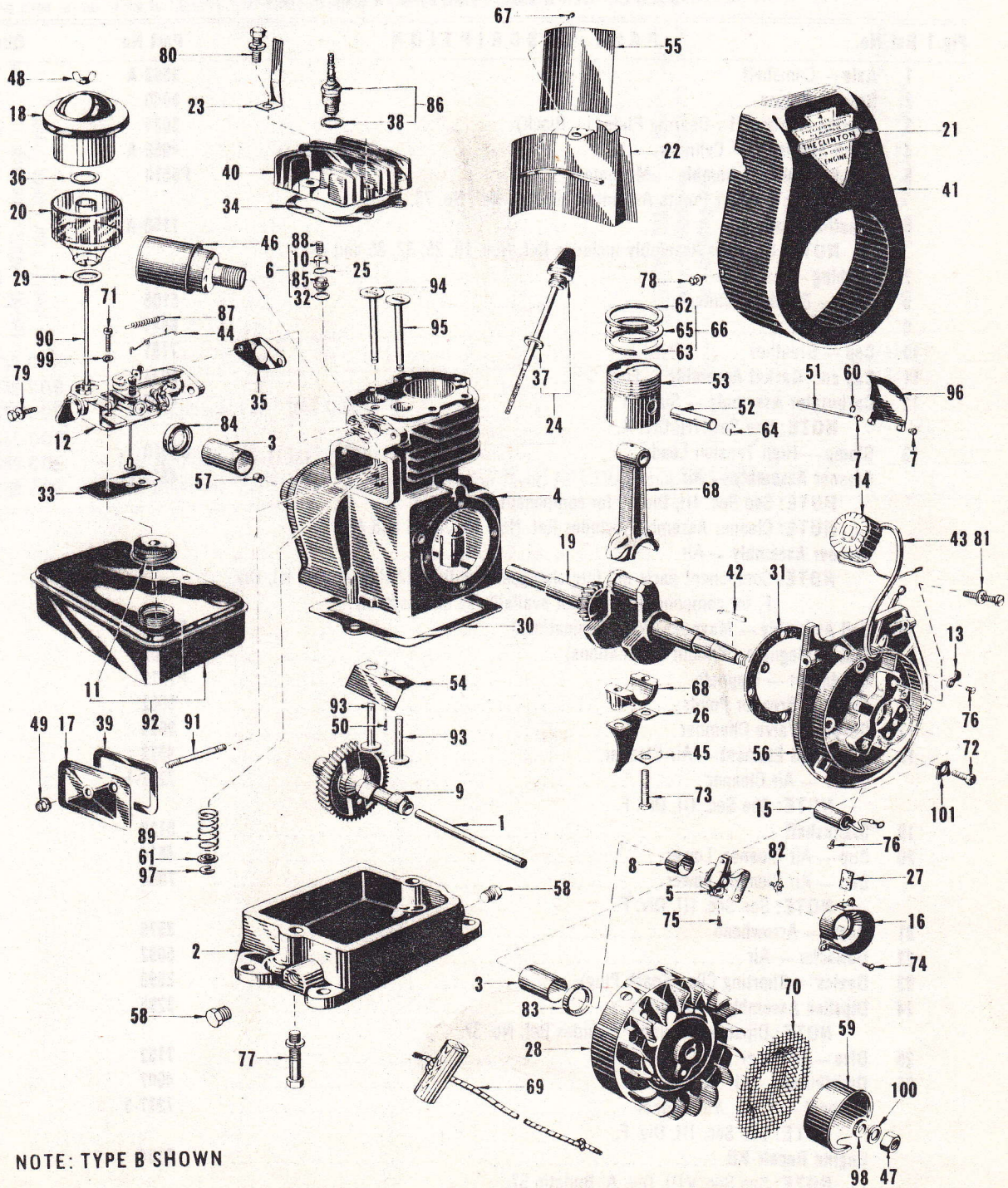


SEC. II, DIV. 650  
PARTS CATALOG  
Revised July, 1955  
Supersedes Oct., 1953

**CLINTON**

**S E R I E S**  
**650**  
**4 - C Y C L E**

**BASIC**  
**TYPES**



NOTE: TYPE B SHOWN



# CLINTON



**BASIC  
TYPES**

**SEC. II, DIV. 650  
PARTS CATALOG**  
Revised July, 1955  
Supersedes Oct., 1953

There are two Basic Types of the 650 Engines covered by this Basic Parts List. Parts not used on both 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."

\*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	Axle — Camshaft.....	3593-A	1
2	Base — Engine.....	5040	1
3	Bearing — Main (1—Bearing Plate, 1—Block).....	3024	2
4	Block Assembly — Cylinder.....	4050-A	1
5	Breaker Points Assembly — Magneto.....	P5510	1
	<b>NOTE:</b> Breaker Points Assembly includes Ref. No. 75.		
6	Breather Assembly.....	7150-A2	1
	<b>NOTE:</b> Breather Assembly includes Ref. Nos. 10, 25, 32, 85 and 88.		
7	Bushing — Air Vane.....	7239	2
8	Cam — Breaker Points.....	5105	1
9	Camshaft.....	6041	1
10	Cap — Breather.....	7151	1
11	Cap and Gasket Assembly — Fuel.....	7011	1
12	Carburetor Assembly — Suction.....	4730-2	1
	<b>NOTE:</b> See Sec. III, Div. A.		
13	Clamp — High Tension Lead.....	C3410	1
	Cleaner Assembly — Air.....	4512-B	1
	<b>NOTE:</b> See Sec. III, Div. F, for component parts.		
	<b>NOTE:</b> Cleaner Assembly includes Ref. Nos. 18, 20, 36 and 48.		
	Cleaner Assembly — Air.....	7084-B	1
	<b>NOTE:</b> Component parts not interchangeable with 4512-B. See Sec. III, Div. F, for component parts. Not available as an Assembly.		
14	Coil Assembly — Magneto (With Laminations).....	P5502	1
	Coil — Magneto (Without Laminations).....	P5509	1
15	Condenser — Magneto.....	P7219	1
16	Cover — Breaker Points.....	5062	1
17	Cover — Valve Chamber.....	3035	1
18	Cover and Element — Air Cleaner.....	4512	1
	Cover — Air Cleaner.....	7217-1	1
	<b>NOTE:</b> See Sec. III, Div. F.		
19	*Crankshaft.....	5129	1
20	Cup — Air Cleaner, Lower.....	4514	1
	Cup — Air Cleaner, Lower.....	7084	1
	<b>NOTE:</b> See Sec. III, Div. F.		
21	Decal — Arrowhead.....	3579	1
22	Deflector — Air.....	5092	1
23	Device — Shorting Clip (Spark Plug).....	3599	1
24	Dipstick Assembly — Oil Filler.....	3295	1
	<b>NOTE:</b> Dipstick Assembly includes Ref. No. 37.		
25	Disc — Breather.....	7152	1
26	Distributor — Oil.....	4007	1
	Element — Filter, Air Cleaner.....	7217-3	1
	<b>NOTE:</b> See Sec. III, Div. F.		
	Engine Repair Kit.....	6304	1
	<b>NOTE:</b> See Sec. VIII, Div. A, Bulletin 57.		



**BASIC PARTS LIST — ALL TYPES (CONTINUED)**

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
27	Felt — Lubrication, Cam Follower	P5504	1
28	Flywheel Assembly — With Magnets	5111	1
	<b>NOTE:</b> Sold as an Assembly only.		
29	Gasket — Air Cleaner to Carburetor — used on Type B	7094	1
30	Gasket — Base	4465	1
31	Gasket — Bearing Plate (Standard, .015 thick)	3056	1
	<b>NOTE:</b> Gaskets are also available in the following thicknesses: .005, .010 and .020. Order by Part No. and specify thickness.		
32	Gasket — Breather	7153	1
33	Gasket — Carburetor (To Fuel Tank)	7126	1
34	Gasket — Cylinder Head	3055	1
35	Gasket — Manifold, Asbestos (Carburetor to Block)	7149	1
36	Gasket — "O" Ring, Air Cleaner (Element to Cup)	4515	1
37	Gasket — Oil Filler Cap, Dipstick	3297	1
38	Gasket — Spark Plug	3115	1
39	Gasket — Valve Chamber Cover	3057	1
	Gasket Kit — Engine Overhaul	3055-A	1
	<b>NOTE:</b> See Sec. VIII, Div. A, Bulletin 48.		
	<b>NOTE:</b> Kit contains all necessary Gaskets and Oil Seals.		
40	Head — Cylinder	3091-A	1
41	Housing — Blower	4480	1
42	Key — Flywheel	7244	1
43	Lead — High Tension, Magneto	P5521	1
44	Link — Carburetor to Air Vane	4717	1
45	Lock — Connecting Rod Screw	3027	2
46	Muffler — Tubular	3639	1
47	Nut — Hexagon, 7/16-20 (Starter Pulley)	3250	1
48	Nut — Wing (Air Cleaner Stud)	7044	1
49	Nut & L'washer Ass'y — Hexagon, 1/4-28 (Valve Chamber Cover)	3255-A	1
50	Pin — Drive (Baffle Plate to Block)	3569	1
51	Pin — Pivot, Air Vane, Governor	7184	1
52	Pin — Wrist	3033	1
53	Piston — Standard	3021	1
	Piston Assembly — Standard	3021-A	1
	<b>NOTE:</b> Piston Assemblies are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part No. and specify oversize.		
	<b>NOTE:</b> Piston Assembly includes Ref. Nos. 52, 53, 64 and 66.		
54	Plate — Baffle, Crankcase	3559	1
55	Plate — Name, Clinton Engines	6530	1
56	Plate — Bearing	5506-1	1
	<b>NOTE:</b> Bearing Plate includes Ref. Nos. 3 and 83.		
	Plate Assembly — Bearing & Magneto	C5505-1	1
	<b>NOTE:</b> Bearing & Magneto Plate Assembly includes Ref. Nos. 5, 14, 15, 56, 76, 81 and 82.		
57	Plug — Camshaft Axle	3281	1
58	Plug — Oil Drain	3269	2
59	Pulley — Starter	3299	1
60	Retainer — Air Vane	4430	1
61	Retainer — Valve Spring	3028	2
62	Ring — Compression, Standard	3572	1
63	Ring — Oil, 3/16, Standard	3574-1	1

# CLINTON

S	E	R	I	E	S	
<b>650</b>						
4	-	C	Y	C	L	E

BASIC  
TYPES

SEC. II, DIV. 650  
PARTS CATALOG  
Revised July, 1955  
Supersedes Oct., 1953

### BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
64	Ring — Retainer, Wrist Pin	3030	2
65	Ring — Scraper, Standard	3573	1
66	Ring Set — Standard (3/16 Oil Ring)	3048-1	1
<b>NOTE:</b> Ring Sets are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part No. and specify oversize.			
<b>NOTE:</b> Ring Set includes Ref. Nos. 62, 63 and 65.			
67	Rivet — Tubular, Name Plate	3660	4
68	Rod Assembly — Connecting	3022-B	1
<b>NOTE:</b> Rod Assembly includes Ref. Nos. 45 and 73.			
69	Rope Assembly — Starter	4266	1
70	Screen — Revolving	7265	1
71	Screw — F.H., #10-32 x 1 2 (Carburetor to Fuel Tank)	5412	2
72	Screw — H.H.C., 1/4-28 x 3/4 (Bearing Plate to Block)	5431	4
73	Screw — H.H.C., 1/4-28 x 1-1/4 (Connecting Rod Cap)	3235	2
74	Screw — O.H.S.T., #6-32 x 3/8 (Breaker Cover to Bearing Plate)	5416	2
75	Screw — R.H.S.T., #6-32 x 3/8 (Breaker Points Terminal)	5405	1
76	Screw — R.H.S.T., #8-32 x 1/4 (1—Clamp to Bearing Plate, 1—Condenser to Bearing Plate)	5415	2
77	Screw & L'washer Ass'y — H.H.C., 7/16-20 x 2 (Base to Block)	6076-G	2
78	Screw & L'washer Ass'y — H.H.C., 1/4-20 x 1/2 (Blower Housing to Bearing Plate)	3205-G	4
79	Screw & L'washer Ass'y — H.H.C., 1/4-28 x 5/8 (Carburetor to Block)	7236-G	2
80	*Screw & L'washer Ass'y — H.H.C., 5/16-18 x 1 (Cylinder Head to Block)	3201-D	6
81	Screw & L'washer Ass'y — Pan H.S.T., 1/4-20 x 1 (Coil to Bearing Plate)	5406-B	2
82	Screw & L'washer Ass'y — R.H.M., #8-32 x 5/16 (Breaker Points to Bearing Plate)	5407-F	1
83	Seal — Oil (Bearing Plate)	3136	1
84	Seal — Oil (Cylinder Block)	3026	1
85	Seat — Breather	7150	1
86	Spark Plug and Gasket Assembly	3568	1
87	Spring — Air Governor	7180	1
88	Spring — Breather Hold Down	7154	1
89	Spring — Valve	3068	2
90	Stud — Air Cleaner	7142	1
91	Stud — Valve Chamber Cover	3042	1
92	Tank Assembly — Fuel	7030-A	1
<b>NOTE:</b> Tank Assembly includes Ref. No. 11.			
93	Tappet — Valve	3034	2
94	Valve — Exhaust, Standard Stem	3031-1	1
	Valve — Exhaust, Oversize Stem (Approx. 9/32 Dia.)	3031-2	1
95	Valve — Intake, Standard Stem	3032-1	1
	Valve — Intake, Oversize Stem (Approx. 9/32 Dia.)	3032-2	1
96	Vane — Air Governor	4716	1
97	Washer — "C", Valve Keeper	3291	2
98	Washer — Flat, 7/16 (Starter Pulley)	5482	1
99	Washer — Lock, #10 (Carburetor to Fuel Tank)	3285	2
100	Washer — Lock, 7/16 (Starter Pulley)	3275	1
101	Washer — Lock, Tab Type (Bearing Plate to Block)	5480	4

### AVAILABLE OVERHAUL KITS

Engine Model	Description	Kit No.
All Types	Gasket Overhaul Kit	3055-A
All Types	Engine Repair Kit	6304



**CLINTON**



MODEL  
 VARIATIONS

**MODEL VARIATIONS OF 650 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".	SCREW-CYL. HEAD, (Part Number Shown) Refer to Illustrated Basic Parts List for corresponding part.	SPACER-CYL. HEAD SCREW, (Part Number Shown) Used with 3292 Screw.
650-COA	3292 (2)	3741 (2)
650-COB	3292 (2)	4722 (2)
650-COC     Use Additional Part: 3851 Clip.		
650-COD	3292 (2)	3741 (2)
650-COE     Use Additional Part: 3851 Clip.		
650-COF     Use Additional Parts: 5150 Crankshaft, 7177 Pin-Pivot, 7274 Elbow and 4425 Nut-Grip.		