



CLINTON

S	R	E	S
2500			
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HORSE			

**BASIC
TYPE**
**SEC. II, DIV. 2500
PARTS CATALOG**
 Revised July, 1959
 Supersedes Sept., 1954

There is one basic Type of the 2500 Engine covered by this Basic Parts List. This "TYPE" is shown as follows: SERIAL NUMBER SUFFIX "A" — referred to as "TYPE A."

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

BASIC PARTS LIST

Ref. No.	PART DESCRIPTION	Part No.	Quantity
1	AXLE — Camshaft	16310	1
2	AXLE — Governor Gear and Weight Assembly	16305	1
3	BASE ASSEMBLY — Breaker	P5547	1
	NOTE: Assembly includes Ref. No. 99.		
4	BASE ASSEMBLY — Engine	25000	1
	NOTE: Assembly includes Ref. No. 87.		
5	BEARING — Ball, Main	25016	2
6	BLOCK ASSEMBLY — Cylinder	25200-A	1
	NOTE: Assembly includes Ref. Nos. 14, 59.		
7	BODY — Breather	16324	1
8	BRACKET — Air Cleaner	16345	1
9	BRACKET — Engine Hoisting	16360	1
10	BRACKET — Fuel Tank Mounting	16342	1
11	BREAKER POINTS ASSEMBLY	P5579	1
12	BREATHER ASSEMBLY	16324-A	1
	NOTE: Assembly includes Ref. Nos. 7, 27, 41, 125.		
13	BUSHING — Governor Control Lever	16337	1
14	BUSHING — Governor Shaft	16304	1
15	CAM — Breaker (Camshaft Axle)	16316	1
16	CAMSHAFT & WEIGHT ASSEMBLY	25027-A	1
	NOTE: Assembly includes Ref. Nos. 81, 90, 97, 135 and 148.		
17	CAP & GASKET ASSEMBLY — Fuel	3059	1
18	CARBURETOR ASSEMBLY	10480	1
19	CLAMP — Cable Assembly (Valve Chamber Cover Screw)	3851	1
20	CLAMP — Hi-Tension Lead (Blower Housing Back Plate)	16344	1
21	CLAMP — Carburetor to Air Horn	16348	1
22	CLEANER ASSEMBLY — Air	15303	1
	NOTE: Assembly includes Ref. Nos. 29, 33 and 44.		
23	COIL — Magneto (W/O Laminations)	P5563	1
24	CONDENSER — Magneto (Breaker Box)	P5549	1
25	CONNECTOR — Brass, 1/2 (Valve and Filter Ass'y to Fuel Tank)	3576	1
26	CONNECTOR — Fuel Line (Filter Assembly and Carburetor)	5053	1
27	COVER — Breather	16328	1
28	COVER — Valve Chamber	16323	1
29	COVER & ELEMENT — Air Cleaner	16357	1
30	COVER ASSEMBLY — Breaker (W/Shorting Button)	P5570-A	1
31	CRANK ASSEMBLY — Engine Starting	25017-A	1
32	CRANKSHAFT	25100	1
33	CUP — Air Cleaner, Lower	16358	1
34	CUP — Valve Spring	16319	2
35	DECAL — Arrowhead	3579	2
36	DECAL — Horsepower	3457	1
37	DEFLECTOR — Air, Cylinder Head	25005	1
38	DEFLECTOR ASSEMBLY — Air, Block	25006-A	1
39	DIPSTICK ASSEMBLY — Oil Filler	25021-A	1
	NOTE: Assembly includes Ref. No. 52.		
40	DISTRIBUTOR — Oil	16317	1
41	ELEMENT — Filter, Breather	16326	1
42	FLANGE ASSEMBLY — P.T.O.	25225-A	1
	NOTE: Assembly includes Ref. No. 131.		
43	FLYWHEEL ASSEMBLY	25004-B	1
	NOTE: Sold as an Assembly only.		
44	GASKET — Air Cleaner (Cover & Element to Cup)	16260	1
45	GASKET — Air Cleaner Bracket	16261	1

BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
46	GASKET — Air Horn (to Carburetor)	16258	1
47	GASKET — Base to Block	25254	1
48	GASKET — Braker Box Base (to Block)	16252	1
49	GASKET — Carburetor to Manifold	16256	1
50	GASKET — Cylinder Head	25253	1
51	GASKET — Manifold to Block (Asbestos)	16255	1
52	GASKET — Oil Filler Cap (Dipstick)	3297	1
53	GASKET — P.T.O. Flange	25250	1
54	GASKET — Spark Plug	3115	1
55	GASKET — Stator Plate	25257	1
56	GASKET — Valve Chamber Cover	16251	1
	GASKET KIT — Engine Overhaul	6327	1
57	GEAR & WEIGHT ASSEMBLY — Governor	16306	1
58	GROMMET — High Tension Lead	3283	1
59	GUIDE — Valve, Cylinder Block	16300	2
60	HEAD — Cylinder	25011	1
61	HORN — Air	16350	1
62	HOUSING — Blower	25007	1
63	KEEPER — Valve Spring	16320	4
64	KEY — Woodruff, Flywheel	16339	1
65	LEAD — Hi-Tension	P5564	1
66	LEVER — Governor	16335	1
67	LEVER — Speed Control	16338	1
68	LINE ASSEMBLY — Fuel	6316	1
69	LINK — Governor Throttle	25020	1
70	LOCK — Double, Connecting Rod Screw	16318	1
71	MANIFOLD — Intake	16330	1
72	MUFFLER — Exhaust	25019	1
73	NECK ASSEMBLY — Oil Filler	25018	1
74	NIPPLE — (Muffler to Block)	16353	1
75	NUT — Flywheel (7/8-14 SAE)	5458	1
76	NUT — Hex., 1/4-28 (Tank Strap)	5452	2
77	NUT — Speed Control Adjusting Rod	16334	1
78	NUT — Square, #10-24 (Governor Lever)	3253	1
79	NUT — Wing (Air Cleaner)	3262	1
80	NUT & L'WASHER ASSEMBLY — (Air Cleaner Bracket)	4107-A	1
81	PIN — Anchor, Cam Gear	16312	1
82	PIN — Wrist	25013	1
83	PISTON — Standard	25001	1
	PISTON ASSEMBLY — Standard	25001-A	1
	NOTE: Assembly includes Ref. Nos. 82, 83, 91, 92, 93 and 95.		
	NOTE: Piston Assemblies are available in the following oversizes: .005, .010, .020, .030, and .040. Order by Part Number and specify oversize.		
84	PLATE — Name, Clinton Engine (Air Deflector)	6530	1
85	PLATE ASSEMBLY — Bock, Blower Housing	25010-A	1
	NOTE: Assembly includes Terminal and Clamp.		
86	PLATE ASSEMBLY — Magneto Stator (W/Coil & Laminations)	P5560-A	1
	NOTE: Assembly includes Ref. Nos. 23, 58, 65, 105, 110, and 130.		
87	PLUG — 3/4-18, Oil Drain	5627	2
88	PULLEY — Expansion, Camshaft	16311	1
89	PULLEY — Starter	25025-A	1
90	RETAINER — Ignition Shift Weight	16314	1
91	RING — Compression, Standard	25030	1
92	RING — Oil, Standard	25032	1
93	RING — Retainer, Wrist Pin	25014	2
94	RING — Retainer (Governor Lever Control)	4543	1

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**BASIC
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 SEC. II, DIV. 2500
 PARTS CATALOG
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 Supersedes Sept., 1954
BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
95	RING—Scraper, Standard	25031	1
	RING SET—Standard	25023	1
	NOTE: Ring Set includes Ref. Nos. 91, 92, 95.		
	NOTE: Ring Sets are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part No. and specify oversize.		
96	RIVET—Tubular (4—Name Plate; 3—Clamp, Back Plate)	5460	7
97	RIVET—Tubular (Ignition Shift Weight Retainer)	5464	1
98	ROD ASSEMBLY—Connecting	25002-A	1
	NOTE: Assembly includes Ref. Nos. 70 and 106.		
99	ROD—Breaker Push	25015	1
100	ROD—Speed Control Adjusting	16333	1
101	ROPE ASSEMBLY—Starter	4266	1
102	SCREW—Carriage, #10-24 x 3/4 (Governor Lever)	5629	1
103	SCREW—H.H.C., 5/16-18 x 2 1/2 (Head to Block)	5656	6
104	SCREW—H.W.H., 5/16-18 x 2 1/2 (Head to Block)	5657	3
105	SCREW—P.H.S.T., #4-40 x 1/4 (Coil Ground Laminations)	5641	1
106	SCREW—H.H.C., 5/16-18 x 1 1/4 (Connecting Rod Cap)	5633	2
107	SCREW—H.H.S.T., 1/4-20 x 1 1/2 (Laminations to Stator Plate)	5640	2
108	SCREW—R.H.M., #10-32 x 1 1/4 (Clamp, Air Horn to Carb.)	4106	1
109	SCREW—R.H.S.T., #6-32 x 3/8 (1—Breaker Points Terminal, Back Plate; 1—Terminal, Breaker Points)	5405	2
110	SCREW—R.H.S.T., #10-24 x 1 (Coil to Stator Plate)	5682-A	2
111	SCREW—Spec., Breaker Points Adjusting	P5638	1
112	SCREW & L'WASHER ASSEMBLY—H.H.C., 1/4-20 x 1/2 (Speed Control Lever)	3205-D	1
113	SCREW & L'WASHER ASSEMBLY—H.H.C., 1/4-20 x 1/2 (Blower Housing to Back Plate)	3205-G	5
114	SCREW & L'WASHER ASSEMBLY—H.H.C., 1/4-20 x 3/8 (Tank Brkt. to Block)	3632-G	2
115	SCREW & L'WASHER ASSEMBLY—H.H.C., 1/4-20 x 2 1/2 (Valve Chamber Cover)	5625-A	1
116	SCREW & L'WASHER ASSEMBLY—H.H.C., 1/4-28 x 1/2 (Back Plate to Block)	5631-A	3
117	SCREW & L'WASHER ASSEMBLY—H.H.C., 1/4-28 x 3/8 (Stator Plate to Block)	7236-G	4
118	SCREW & L'WASHER ASSEMBLY—H.H.C., 1/4-28 x 1 1/4 (Tank Strap to Bracket)	3235-A	2
119	SCREW & L'WASHER ASSEMBLY—H.H.C., 3/8-16 x 1 1/4 (Block to Base)	5628-G	4
120	SCREW & L'WASHER ASSEMBLY—H.H.C., 5/16-18 x 3/8 (Starter Pulley)	3204-G	2
121	SCREW & L'WASHER ASSEMBLY—H.H.C., 5/16-18 x 3/4 (4—P.T.O. Flange to Block; 2—Manifold to Carburetor)	3232-G	6
122	SCREW & L'WASHER ASSEMBLY—H.H.C., 5/16-18 x 3/8 (Manifold to Block)	3217-G	2
123	SCREW & L'WASHER ASSEMBLY—R.H.M., #8-32 x 3/8 (Breaker Point to Base)	3240-G	1
124	SCREW & L'WASHER ASSEMBLY—R.H.M., #8-32 x 5/16 (Breaker Cover to Base)	5444-A	2
125	SCREW & L'WASHER ASSEMBLY—R.H.M., #8-32 x 3/4 (Breather Cover)	5669-E	1
126	SCREW & L'WASHER ASSEMBLY—H.H.C., #10-24 x 1/2 (Air Cleaner Bracket to Block)	5645-A	2
127	SCREW & L'WASHER ASSEMBLY—R.H.M., #10-24 x 3/8 (Breaker Base to Block)	3211-A	1
128	SCREW & L'WASHER ASSEMBLY—R.H.M., #10-24 x 1 1/4 (Condenser & Breaker Base to Block)	5422-A	1

BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
129	SCREW & L'WASHER ASSEMBLY — R.H.M., #10-32 x 3/4 (Deflector to Block)	3222-A	2
130	SEAL — Oil (Stator Plate)	16012	1
131	SEAL — Oil (P.T.O. Flange)	25012	1
132	SPACER — Governor Shaft	16428	1
133	SPARK PLUG & GASKET ASSEMBLY —	K16303-A	1
134	SPRING — Governor	16336	1
135	SPRING — Ignition Shift Weight	16315	1
136	SPRING — Valve	16322	2
137	STOP & SHAFT ASSEMBLY — Governor	16331-A	1
138	STRAP — Fuel Tank	16343	2
139	STUD — Air Cleaner	16347	1
140	TANK ASSEMBLY — Fuel	16341	1
	NOTE: Assembly incudes Ref. No. 17.		
141	TAPPET — Valve	25009	2
142	THIMBLE — Governor	16309	1
143	VALVE — Exhaust	16301	1
144	VALVE — Intake	16302	1
145	VALVE & FILTER ASSEMBLY — Fuel Shut-Off	C3500-A	1
146	WASHER — Breaker Points	5489	1
147	WASHER — Valve Spring Retaining	16321	2
148	WEIGHT — Ignition Shift	16362	1
149	WIRE ASSEMBLY — Breaker Points	16329-A	1

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**MODEL
VARIATIONS**
**SEC. II, DIV. 2500
PARTS CATALOG**
 Revised January, 1959
 Supersedes Nov., 1957

MODEL VARIATIONS OF 2500 SERIES

The adoption of Clinton Engines to a wide variety of uses results in what are 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).			
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.			
REDUCTION GEAR (Asy. Nos. Shown). Refer to Sec. III, Div. C for Parts List.			
REDUCTION GEAR MOUNTING POSITION —"Cook" position shows mounting of reduction unit in relation to Crankshaft.			
CRANK ASSEMBLY —STARTING			
W/OCE ASSEMBLY —CYLINDER (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.			
BASE —ENGINE (Part Numbers Shown). Refer to Sec. IV, Div. A for further information.			
2500-100	No Variation—Use Basic Parts List		
2500-101		25101	
2500-102	SK559 72"		25017-A
2500-103			25017-A
2500-104		25103	
2500-105	Note 6		
2500-106	No Variation—Use Basic Parts List		
2500-107	SK559 72"		
2500-108	Note 1	25105	
2500-109	SK559		25017-A
2500-110			
2500-111	Note 6	25101	
2500-112	No Variation—Use Basic Parts List		
2500-113	SK559 72"		25017-A
2500-114		25103	
2500-115	Note 1	25105	25017-A
2500-116	Notes 1, 6		
2500-117	Note 6		16017-A
2500-118		25107	25017-A
2500-119	Note 2		
2500-120	Note 2		
2500-121	No Variation—Use Basic Parts List		
2500-122	Note 1		
2500-123	SK559		
2500-124	Note 2	25103	
2500-125	No Variation—Use Basic Parts List		
2500-126	No Variation—Use Basic Parts List		
2500-127	Note 1		
2500-128		25108	
2500-129		25103	
2500-130	Note 3	25109	25029-A
2500-131	Note 1		
2500-132	SK559 72"		

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MODEL VARIATIONS

MODEL VARIATIONS OF 2500 SERIES (Cont.)

ENGINE MODEL	FOOTNOTES	CONTROL GROUP	CONTROL VALVE LENGTH	CRANKSHAFT	REDUCTION GEAR	REDUCTION GEAR MOUNTING POSITION	CRANK ASSEMBLY - STARTING	BLOCK ASSEMBLY - CYLINDER	BASE - ENGINE
2500-134				25107				25017-A	
2500-135	Note 1, 4								
2500-136	Note 4								
2500-137	Note 5			25110				25202	
2500-138	No Variation—Use Basic Parts List								
2500-139		SK559	72"						
2500-140	Note 3			25111					
2500-142	Note 6								
2500-143	Notes 3, 5, 7			25112				25202	
2500-144	Note 8							25201	
2500-145	Notes 4, 8							25201	
2500-146				25103					
2500-147	Notes 1, 6								
2500-148	Note 4	SK559	72"						
2500-149	Notes 8, 9							25201-A	
2500-150	No Variation—Use Basic Parts List								
2500-151	Notes 3, 6								
2500-500	No Variation—Use Basic Parts List								
2500-501	No Variation—Use Basic Parts List								
2500-503	Note 6			25101					
2500-504	Note 6								
2500-505	Note 1								
2500-507	No Variation—Use Basic Parts List								
2500-508	Notes 3, 6			25109					25029-A
2500-509	Note 3			25109					25029-A
2520				25102	6876	6:00			
2520-100				25102	6876	6:00	25017-A		
2520-101	Note 6	SK559	72"	25102	6876	6:00			
2540				25106	6878	6:00			
2540-100				25106	6878	6:00	25017-A		
2540-101				25106	6878	3:00			
2560				25106	6840	6:00			
2560-100				25106	6840	6:00	25017-A		
2560-101				25106	6840	6:00	25017-A		
2560-102				25106	6840	6:00			
2560-103				25106	6840	6:00			
2560-104				25106	6840	6:00			
2560-105				25106	6840	3:00			25029-A
2560-106				25106	6840	3:00	25017-A		
2560-107				25106	6840	6:00			
2560-108				25106	6840	3:00			
2560-109	Note 5			25117	6840	6:00		25202	
2560-500				25106	6840	6:00			
2560-501	Note 6			25106	6840	6:00			

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VARIATIONS**SEC. II, DIV. 2500
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MODEL VARIATIONS OF 2500 SERIES (Cont.)

- NOTE 1**—This model is equipped with Friction Clutch Assembly #16365. One (1) Key—Woodruff #5666, four (4) Lockwashers #3275, four (4) Screws #5658 and one (1) Spacer #25028 are used as additional parts to install the Clutch Assembly. Refer to Section III, Div. M for specific Clutch parts.
- NOTE 2**—Radio Shielding Parts: #5702-A Lead Assembly, #16363-A Spark Plug, #5578 Cup, #5576 Cover, and #5647 Screw (2).
- NOTE 3**—Use #25126-A Flange.
- NOTE 4**—Use 12-volt Starter Generator Assembly #25077. Refer to Sec. III, Div. N.
- NOTE 5**—Use Fuel Pump Assembly #16413.
- NOTE 6**—Use #25024 Cylinder Head, #25026-A Deflector Assembly, #4527 Priming Cup, #4528 Bracket, #7468 Washer, #5651 Coupling, #4535 "Tee," four (4) #5053 Connectors and #4597 Drain Valve. These parts to be stocked by factory only.
- NOTE 7**—Use #5052 Fuel Shut-Off (3).
- NOTE 8**—Use #16385 Insert and #16386 Valve Stellite (use exhaust valve in intake side).
- NOTE 9**—Use #25066 Piston in lieu of #25001.

The main bearings, Part #25016, are used throughout all model variations. A change in crankshaft number does not require different bearings.
