



CLINTON

S E R I E S
A-2500
RED HORSE

**BASIC
TYPE**
 SEC. II, DIV. A-2500
 PARTS CATALOG
 Issued November, 1957

There is one Basic Type of the A-2500 Series engine covered by this Basic Parts List.

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

BASIC PARTS LIST

Ref. No.	PART DESCRIPTION	Part No.	Quantity
1	AXLE — Camshaft	18310	1
2	AXLE — Governor Gear & Weight Assembly	18305	1
3	BASE ASSEMBLY — Breaker	P5584	1
	NOTE: Assembly includes Ref. No. 97.		
4	BASE ASSEMBLY — Engine	25000-A	1
	NOTE: Assembly includes Ref. Nos. 71, 85.		
5	BEARING — Ball, Main	25018	2
6	BLOCK ASSEMBLY — Cylinder	25201-A	1
	NOTE: Assembly includes Ref. Nos. 2, 13, 56, 60.		
7	BODY — Breather	18324	1
8	BRACKET — Air Cleaner	18345	1
9	BRACKET — Engine Hoisting	18380	1
10	BRACKET — Fuel Tank Mounting	18342	1
11	BREAKER POINTS ASSEMBLY — Includes Ref. No. 107.	P5580-A	1
	BREATHER ASSEMBLY	18324-A	1
	NOTE: Assembly includes Ref. Nos. 7, 25, 38, 100, 124, 131, 144.		
12	BUSHING — Governor Control Lever	18337	1
13	BUSHING — Governor Shaft	18304	1
14	CAM — Breaker (Camshaft Axle)	18318	1
15	CAMSHAFT & WEIGHT ASSEMBLY	25027-A	1
	NOTE: Assembly includes Ref. Nos. 79, 88, 95, 148.		
16	CAP & GASKET ASSEMBLY — Fuel	3059	1
17	CARBURETOR ASSEMBLY	C14074	1
18	CLAMP — Cable Assembly (Valve Chamber Cover Screw)	3851	1
19	CLAMP — Hi-Tension Lead (Blower Housing Back Plate)	18344	1
20	CLAMP — Carburetor to Air Horn	18348	1
	CLEANER ASSEMBLY — Air	15303	1
	NOTE: Assembly includes Ref. Nos. 27, 31, 41.		
21	COIL — Magneto (Without Laminations)	P5583	1
22	CONDENSER — Magneto (Breaker Box)	P5549	1
23	CONNECTOR — Brass, 1/8 (Valve and Filter Ass'y to Fuel Tank)	3576	1
24	CONNECTOR — Fuel Line (Filter Ass'y and Carburetor)	5053	2
25	COVER — Breather	18328	1
26	COVER — Valve Chamber	18323	1
27	COVER & ELEMENT — Air Cleaner	18357	1
28	COVER ASSEMBLY — Breaker (With Shorting Button)	P5570-A	1
29	CRANK ASSEMBLY — Engine Starting	25017-A	1
30	CRANKSHAFT	25100	1
31	CUP — Air Cleaner, Lower	18358	1
32	CUP — Valve Spring	18319	2
33	DECAL — Horsepower	3458	1
	DECAL — Arrowhead	4599	1
34	DEFLECTOR — Air, Cylinder Head	25005-A	1
35	DEFLECTOR ASSEMBLY — Air, Block	25006-A	1
36	DIPSTICK ASSEMBLY — Oil Filler	25021-A	1
	NOTE: Assembly includes Ref. No. 49.		
37	DISTRIBUTOR — Oil	18317	1
38	ELEMENT — Filter, Breather	18326	1
39	FLANGE ASSEMBLY — P.T.O.	25225-A	1
	NOTE: Assembly includes Ref. No. 130.		
40	FLYWHEEL ASSEMBLY	25004-B	1
	NOTE: Sold as an Assembly only.		
41	GASKET — Air Cleaner (Cover & Element to Cup)	18260	1
42	GASKET — Air Cleaner Bracket	18261	1
43	GASKET — Air Horn (to Carburetor)	18258	1

BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
44	GASKET — Base to Block	25254	1
45	GASKET — Breaker Box Base (to Block)	16252	1
46	GASKET — Carburetor to Manifold	16256	1
47	GASKET — Cylinder Head	25253	1
48	GASKET — Manifold to Block (Asbestos)	16255	1
49	GASKET — Oil Filler Cap (Dipstick)	3297	1
50	GASKET — P.T.O. Flange	25250	1
51	GASKET — Spark Plug	3115	1
52	GASKET — Stator Plate	25257	1
53	GASKET — Valve Chamber Cover	16251	1
	GASKET KIT — Engine Overhaul	6327	1
54	GEAR & WEIGHT ASSEMBLY — Governor	16306-A	1
55	GROMMET — High Tension Lead	3283	2
56	GUIDE — Valve, Cylinder Block	16300	2
57	HEAD — Cylinder	25011	1
58	HORN — Air	16350	1
59	HOUSING — Blower	25007	1
60	INSERT — Valve (Exhaust)	16385	1
61	KEEPER — Valve Spring	16320	4
62	KEY — Woodruff, Flywheel	16339	1
63	LEAD — Hi-Tension	P5564	1
64	LEVER — Governor	16335	1
65	LEVER — Speed Control	16338	1
66	LINE ASSEMBLY — Fuel	6316	1
67	LINK — Governor Throttle	25020	1
68	LOCK — Double, Connecting Rod Screw	16318	1
69	MANIFOLD — Intake	16330	1
70	MUFFLER — Exhaust	25061	1
71	NECK ASSEMBLY — Oil Filler	25018-A	1
72	NIPPLE — Muffler to Block	16353	1
73	NUT — Flywheel (3/4-14 SAE)	5458	1
74	NUT — Hex., 1/4-28 (Tank Strap)	5452	2
75	NUT & L'WASHER — Hex., Lock #10132 (Clamp, Air Horn to Carburetor)	4107-A	1
76	NUT — Speed Control Adjusting Rod	16334	1
77	NUT — Square, #10-24 (Governor Lever)	3253	1
78	NUT — Wing (Air Cleaner)	3262	1
79	PIN — Anchor, Cam Gear	16312	1
80	PIN — Wrist	25013	1
81	PISTON — Standard	25060	1
	PISTON ASSEMBLY — Standard	25060-A	1
	NOTE: Assembly includes Ref. Nos. 80, 81, 89, 90, 91, 93.		
	NOTE: Piston Assemblies are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part Number and specify oversize.		
82	PLATE — Name, Clinton Engine (Air Deflector)	6530	1
83	PLATE ASSEMBLY — Back, Blower Housing	25010-A	1
	NOTE: Assembly includes Terminal and Clamp.		
84	PLATE ASSEMBLY — Magneto Stator (With Coil & Laminations)	P5560-A	1
	NOTE: Assembly includes Ref. Nos. 21, 55, 63, 102, 105, 108, 129.		
85	PLUG — 3/8-18, Oil Drain	5627	2
86	PLUG — Expansion, Camshaft	16311	1
87	PULLEY — Starter and Screen	25025-A	1
88	RETAINER — Ignition Shift Weight	16314	1
89	RING — Compression, Standard	25030	1
90	RING — Oil, Standard	25032	1
91	RING — Retainer, Wrist Pin	25014	2
92	RING — Retaining (Shaft Assembly, Governor)	4543	1

BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
93	RING — Scraper, Standard	25031	1
	RING SET — Standard	25023	1
	NOTE: Ring Set includes Ref. Nos. 89, 90, 93.		
	NOTE: Ring Sets are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part Number and specify oversize.		
94	RIVET — Tubular (4—Name Plate, 2—Clamp, Back Plate)	5460	6
95	RIVET — Tubular (Ignition Shift Weight Retainer)	5464	1
96	ROD ASSEMBLY — Connecting	25002-A	1
	NOTE: Assembly includes Ref. Nos. 68, 103.		
97	ROD — Breaker Push	25015	1
98	ROD — Speed Control Adjusting	16333	1
99	ROPE ASSEMBLY — Starter	4286	1
100	SCREEN — Breather	16354	1
101	SCREW — Carriage, #10-24 x 3/4 (Governor Lever)	5629	1
102	SCREW — P.H.S.T., #4-40 x 1/4 (Coil Ground Laminations)	5641	1
103	SCREW — H.H.C., 5/16-18 x 1 3/4 (Connecting Rod Cap)	5633	2
104	SCREW — H.H.C., 5/16-18 x 2 3/4 (2—Tank Bracket to Head, 1—Hoisting Bracket to Head)	5657	3
105	SCREW — H.H.S.T., 1/4-20 x 1 1/4 (Laminations to Stator Plate)	5640	2
106	SCREW — R.H.M., #10-32 x 1 1/4 (Clamp, Air Horn to Carburetor)	4106	1
107	SCREW — R.H.S.T., #6-32 x 3/8 (1—Breaker Points Terminal, Back Plate; 1—Terminal)	5647	2
108	SCREW — R.H.S.T., #10-24 x 1 (Coil to Stator Plate)	5639	2
109	SCREW — Spec., Breaker Points Adjusting	P5638	1
110	SCREW — H.H.C., 5/16-18 x 2 3/4 (Cylinder Head)	5656	6
111	SCREW & L'WASHER ASSY — F.H.M., #8-32 x 3/8 (Breaker Points Pivot)	3240-G	1
112	SCREW & L'WASHER ASSY — R.H.M., #8-32 x 5/16 (Breaker Cover to Base)	5444-A	2
113	SCREW & L'WASHER ASSY — Speed Control Lever	3205-D	1
114	SCREW & L'WASHER ASSY — H.H.C., 1/4-20 x 1/2 (Blower Housing to Back Plate)	3205-G	5
115	SCREW & L'WASHER ASSY — H.H.C., 1/4-20 x 3/8 (Tank Bracket to Block)	3632-G	2
116	SCREW & L'WASHER ASSY — H.H.C., 1/4-20 x 2 3/4 (Valve Chamber Cover)	5625-A	1
117	SCREW & L'WASHER ASSY — H.H.C., 1/4-28 x 1/2 (Back Plate to Block)	5631-A	3
118	SCREW & L'WASHER ASSY — H.H.C., 1/4-28 x 3/8 (Stator Plate to Block)	7236-G	4
119	SCREW & L'WASHER ASSY — H.H.C., 1/4-28 x 1 1/4 (Tank Strap to Bracket)	3235-A	2
120	SCREW & L'WASHER ASSY — H.H.C., 3/8-16 x 1 1/4 (Block to Base)	5629-G	4
121	SCREW & L'WASHER ASSY — H.H.C., 5/16-18 x 3/8 (Starter Pulley)	3204-G	2
122	SCREW & L'WASHER ASSY — H.H.C., 5/16-18 x 3/4 (4—P.T.O. Flange to Block, 2—Manifold to Carburetor)	3232-G	6
123	SCREW & L'WASHER ASSY — H.H.C., 5/16-18 x 3/8 (Manifold to Block)	3217-G	2
124	SCREW & L'WASHER ASSY — R.H.M., #8-32 x 3/8 (Breather Cover)	5669-E	1
125	SCREW & L'WASHER ASSY — R.H.M., #10-24 x 1/2 (Air Cleaner Bracket to Block)	5645-A	2
126	SCREW & L'WASHER ASSY — R.H.M., #10-24 x 3/8 (Breaker Base to Block)	3211-A	1
127	SCREW & L'WASHER ASSY — R.H.M., #10-24 x 1 1/4 (Condenser & Breaker Base to Block)	5422-A	1
128	SCREW & L'WASHER ASSY — R.H.M., #10-32 x 3/8 (Deflector to Block) (Breaker Points)	3222-A	3
129	SEAL — Oil (Stator Plate)	16012	1

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BASIC PARTS LIST (Continued)

Ref. No.	PART DESCRIPTION	Part No.	Quantity
130	SEAL — Oil (P.T.O. Flange)	25012	1
131	SPACER — Breather	16346	1
132	SPARK PLUG & GASKET ASSEMBLY	16303-A	1
133	SPRING — Governor	16336	1
134	SPRING — Ignition Shift Weight	16315	1
135	SPRING — Valve	16322	2
136	STOP & SHAFT ASSEMBLY — Governor	16331-A	1
137	STRAP — Fuel Tank	16343	2
138	STUD — Air Cleaner	16347	1
139	TANK ASSEMBLY — Fuel	16341	1
	NOTE: Assembly includes Ref. No. 16.		
140	TAPPET — Valve	25009	2
141	THIMBLE — Governor	16309	1
142	VALVE — Exhaust (Stellite)	16366	1
143	VALVE — Intake (Exhaust Valve)	16301	1
144	VALVE — Filter Disc-Breather	16325	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	P16329-A	1

CLINTON

S E R I E S
A-2500
RED HORSE

MODEL VARIATIONS

SEC. II, DIV. A-2500
PARTS CATALOG
Revised January, 1959
Supersedes Nov., 1957

MODEL VARIATIONS OF A-2500 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 bottom of page).	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 —Clock position shows mounting of reduction unit in relation to Crankshaft.	CRANK ASSEMBLY —STARTING	BASE —ENGINE (Part Numbers Shown). Refer to Sec. IV, Div. A for details and further information.	BLOCK ASSEMBLY —CYLINDER (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.
A-2500-100	No Variation—Use Basic Parts List								
A-2500-101	Note 1			25105					
A-2500-102	Note 2								
A-2500-103	Note 3			25110					25203
A-2500-104	Note 4								
A-2500-105		SK559	72"						
A-2500-108	No Variation—Use Basic Parts List								
A-2500-122	No Variation—Use Basic Parts List								
A-2500-500	No Variation—Use Basic Parts List								
A-2520-100	Note 4			25102	6878	6:00			
A-2540				25106	6878	6:00			
A-2540-100	Note 5			25106	6878	6:00			
A-2580				25106	6840	6:00			
A-2580-100				25106	6840	6:00			
A-2580-101				25106	6840	3:00			

NOTE 1—This model equipped with Friction Clutch Assembly #16365, #5666 Woodruff, #25028 Spacer, #3275 Washer Lock (4) and #5668 Screw (4). Refer to Sec. III, Div. M.

NOTE 2—Use 12-volt Starter-Generator Assembly #25077. Refer to Sec. III, Div. M.

NOTE 3—Use Fuel Pump #16419.

NOTE 4—Use #25024 Cylinder Head, #25026-A Deflector Assembly, #4527 Priming Cup, #4528 Bracket, #7468 Washer, #5651 Coupling, #4525 "Tee," #5053 Connector (3), #4597 Drain Valve. Parts stocked by factory only.

NOTE 5—Use #5702-A Lead Assembly, #5578 Cup Spark Plug, #5576 Cover, #5647 Screw.