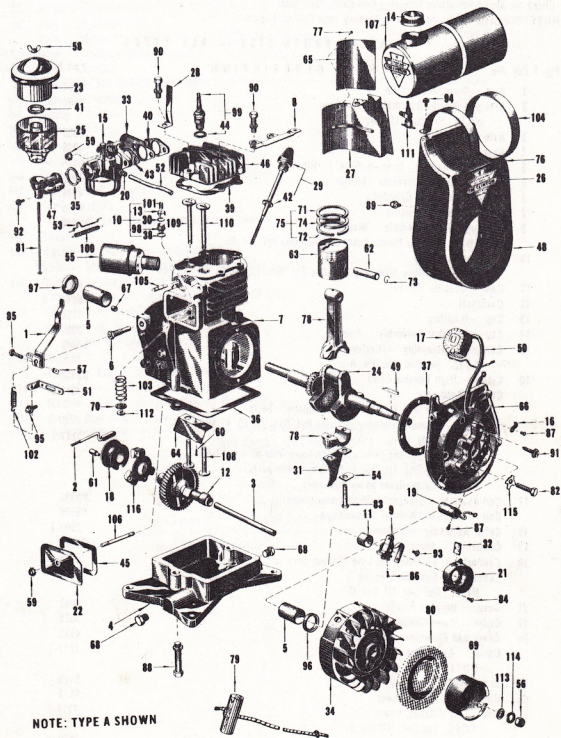


SEC. II, DIV. 500
PARTS CATALOG
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CLINTON

SERIES
500
4-CYCLE

BASIC
TYPES



NOTE: TYPE A SHOWN

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There is one Basic Type of the 500 Engine covered by this Basic Parts List. This "TYPE" is shown as follows: SERIAL NUMBER SUFFIX "A" - referred to as "TYPE A."

*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	3519-1	1
	2	Arm and Weight Assembly - Governor	3067-78	1
		NOTE: See Sec. III, Div. D.		
	3	Axle - Camshaft	3593-A	1
	4	*Base - Engine	5038	1
	5	Bearing - Main (1 Bearing Plate, 1 Block)	3024	2
	6	Bearing - Shaft, Governor Throttle	3073	1
	7	*Block Assembly - Cylinder	4228	1
	8	Brace - Blower Housing	5049	1
	9	Breaker Points Assembly - Magneto	P5510	1
		NOTE: Breaker Points Assembly includes Ref. No. 86.		
	10	Breather Assembly	7150-A2	1
		NOTE: Breather Assembly includes Ref. Nos. 13, 30, 38, 98 and 101.		
	11	Cam - Breaker Points	5105	1
	12	Camshaft	6041	1
	13	Cap - Breather	7151	1
	14	Cap and Gasket Assembly - Fuel	3059	1
	15	Carburetor Assembly - (Carter)	C4446	1
		NOTE: See Sec. III, Div. A.		
	16	Clamp - High Tension Lead	C3410	1
		Cleaner Assembly - Air	4512-A	1
		NOTE: See Sec. III, Div. F, for component parts.		
		Cleaner Assembly includes Ref. Nos. 23, 25, 41 and 58.		
		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.		
	17	Coil Assembly - Magneto (With Laminations)	P5502	1
		Coil - Magneto (Without Laminations)	P5509	1
	18	Collar Assembly - Governor	3063-1	1
	19	Condenser - Magneto	P7219	1
	20	Connector - Flexible Fuel Line (Carburetor)	5053	1
		Connector - Fuel Line, Brass	3562	1
		NOTE: See Sec. III, Div. G.		
	21	Cover - Breaker Points	5062	1
	22	Cover - Valve Chamber	3035	1
	23	Cover and Element - Air Cleaner	4512	1
		Cover - Air Cleaner	7217-1	1
		NOTE: See Sec. III, Div. F.		
	24	*Crankshaft	5129	1
	25	Cup - Air Cleaner, Lower	4513	1
		Cup - Air Cleaner, Lower	7217-2	1
		NOTE: See Sec. III, Div. F.		
	26	Decal - Arrowhead	3579	3
	27	Deflector - Air	5092	1
	28	Device - Shorting Clip (Spark Plug)	3599	1

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
29	Dipstick Assembly Oil Filler NOTE: Dipstick Assembly includes Ref. No. 42.	5095	1
30	Disc Breather	7152	1
31	Distributor Oil Element Filter, Air Cleaner NOTE: See Sec. III, Div. F. Engine Repair Kit	5016 7217-3 6304	1 1 1
32	Felt — Lubrication, Cam Follower	P5504	1
33	Fin — Cooling NOTE: Fins can be eliminated by using 6002 Gasket.	3134	3
34	Flywheel Assembly With Magnets NOTE: Sold as an Assembly only.	5111	1
35	Gasket — Air Horn	3990	1
36	Gasket — Base	3054	1
37	Gasket — Bearing Plate (Standard, .015 thick) NOTE: Gaskets are also available in the following thicknesses: .005, .010 and .020. Order by Part No. and specify thickness.	3056	1
38	Gasket — Breather	7153	1
39	Gasket — Cylinder Head	3666	1
40	Gasket — Manifold, Asbestos (Carburetor to Block) Gasket — Manifold, Asbestos (Carburetor to Block) NOTE: Replaces Fins and 7149 and 7168 Gasket.	7149 6002	1 1
41	Gasket — "O" Ring, Air Cleaner (Element to Cup)	4515	1
42	Gasket — Oil Filler Cap, Dipstick	3297	1
43	Gasket — Paper (Fins to Carburetor)	7168	3
44	Gasket — Spark Plug	3115	1
45	Gasket — Valve Chamber Cover Gasket Kit — Engine Overhaul Gasket Kit — Engine Overhaul (With Speed Reducer Units) NOTE: See Sec. VIII, Div. A, Bulletin 48. NOTE: Kit contains all necessary Gaskets and Oil Seals.	3057 3055-A 3055-B	1 1 1
46	Head — Cylinder	3091-A	1
47	Horn — Air Cleaner	3991	1
48	Housing — Blower Housing — Blower (For Recoil Starter)	5012 5013-E	1 1
49	Key — Flywheel	7244	1
50	Lead — High Tension, Magneto	P5521	1
51	Lever — Speed Adjusting	3075	1
52	*Line — Fuel, Flexible Line — Fuel NOTE: See Sec. III, Div. G.	6316 5800	1 1
53	Link — Carburetor to Governor Arm	3074	1
54	Lock — Connecting Rod Screw	3027	2
55	Muffler — Tubular	3639	1
56	Nut — Hexagon, 7/16-20 (Starter Pulley)	3250	1
57	Nut — Square, #10-24 (Arm to Throttle Lever)	3253	1
58	Nut — Wing (Air Cleaner Screw)	7044	1
59	Nut & Washer Assy — Hexagon, 1/4-28 (2 — Carburetor Studs, 1 — Valve Chamber Cover)	3255-A	3
60	Pin — Drive (Baffle Plate to Block)	3569	1

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BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1	Ref. No.	PART DESCRIPTION	Part No.	Quantity
61	Pin	Retaining (Governor Yoke)	3656	1
62	Pin	Wrist	3033	1
63	Piston	Standard	3021	1
	Piston Assembly	Standard	3021-A	1
		NOTE: Piston Assemblies are 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	5506-1	1
		NOTE: Bearing Plate includes Ref. Nos. 5 and 96.		
	Plate Assembly	Bearing & Magneto	C5505-1	1
		NOTE: Bearing & Magneto Plate Ass'y includes Ref. Nos. 9, 17, 19, 66, 87, 91 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	3572	1
72	Ring	Oil, 3 16, Standard	3574-1	1
	Ring	Oil, 1 8, Standard	3574	1
73	Ring	Retainer, Wrist Pin	3030	2
74	Ring	Scraper, Standard	3573	1
75	Ring Set	Standard (3 16 Oil Ring)	3048-1	1
		NOTE: Use 3 16 Oil Ring wherever possible.		
	Ring Set	Standard (1 8 Oil Ring)	3048	1
		NOTE: Ring Sets are 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 (Tank Straps to Blower Housing)	3619	2
77	Rivet	Tubular, Name Plate	3660	4
78	Rod Assembly	Connecting	3022-B	1
		NOTE: Rod Assembly includes Ref. Nos. 54 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	O.H.S.T., #6-32 x 3 8 (Breaker Cover to Bearing Plate)	5416	2
85	Screw	R.H., #10-24 x 5 8 (Governor Throttle Arm)	3211	1
		NOTE: See Sec. III, Div. D.		
86	Screw	R.H.S.T., #6-32 x 3 8 (Breaker Points Terminal)	5405	1
87	Screw	R.H.S.T., #8-32 x 1 4 (Clamp to Bearing Plate, 1 Condenser to Bearing Plate)	5415	2
88	Screw & L'washer Ass'y	H.H.C., 7 16-20 x 1-1 4 (Base to Block)	5400-G	2
89	Screw & L'washer Ass'y	H.H.C., 1 4-20 x 1 2 (Blower Housing to Bearing Plate)	3205-G	4
90	Screw & L'washer Ass'y	H.H.C., 5 16-18 x 1 (Cylinder Head to Block)	3201-D	6
91	Screw & L'washer Ass'y	Pan H.S.T., 1 4-20 x 1 (Coil to Bearing Plate)	5406-B	1
92	Screw & L'washer Ass'y	R.H.M., #8-32 x 3 4 (Air Horn to Carburetor)	7113-G	2
93	Screw & L'washer Ass'y	R.H.M., #8-32 x 5/16 (Breaker Points to Bearing Plate)	5407-F	1
94	Screw & L'washer Ass'y	R.H.M., #10-32 x 1-1/4 (Fuel Tank Straps)	5422-A	2

BASIC PARTS LIST—ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
95	Screw & L'washer Ass'y R.H.M., #10-32 x 3/8 (Speed Adjusting Lever)	3222-F	1
96	Seal—Oil (Bearing Plate)	3136	1
	Seal—Oil (Bearing Plate) (1-1 8 O.D.—For Early Models)	5026-A	1
97	Seal—Oil (Cylinder Block)	3026	1
98	Seal—Breather	7190	1
99	Spark Plug and Gasket Assembly	3568	1
100	Spring—Backlash, Governor	3097	1
101	Spring—Breather Hold Down	7154	1
102	Spring—Governor	4001	1
103	Spring—Valve	3068	2
104	Strap—Fuel Tank	5015	2
105	Stud—1/4-28 x 1-9/32 (Carburetor to Block)	3096	2
106	Stud—Valve Chamber Cover	3042	1
107	Tank Assembly—Fuel	3050-1A	1
NOTE: Tank Assembly includes Ref. No. 14.			
108	Tappet—Valve	3034	2
109	Valve—Exhaust, Standard Stem	3031-1	1
	Valve—Exhaust, Oversize Stem (Approx. 9 32 Dia.)	3031-2	1
110	Valve—Intake, Standard Stem	3032-1	1
	Valve—Intake, Oversize Stem (Approx. 9 32 Dia.)	3032-2	1
111	Valve—Fuel, Shut-Off, Flexible Line	5051	1
	Valve—Fuel, Shut-Off	5050	1
NOTE: See Sec. III, Div. G.			
112	Washer—"C", Valve Keeper	3281	2
113	Washer—Flat, 7 16 (Starter Pulley)	5482	1
114	Washer—Lock, 7 16 (Starter Pulley)	2275	1
115	Washer—Lock, Tab Type (Bearing Plate to Block)	5480	4
116	Weight Assembly—Governor Yoke	4205	1

AVAILABLE OVERHAUL KITS

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

*With Speed Reducer Units.

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MODEL
VARIATIONS

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MODEL VARIATIONS OF 500 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, (Part Number Shown) refer to Illustrated Basic Parts List for corresponding part.	FUEL SYSTEM, (Illustration Numbers Shown) Refer to Sec. III, Div. G for Parts List.	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.	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.	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.	STARTER—KICK OR RECOIL, (Assembly Numbers Shown) refer to Sec. III, Div. C and Div. H for Parts Lists.
500-1					SK-101-1	72"			
500-2					SK-101-1	72"			
500-3							5036		
500-4					SK-101-1	72"			
500-5	No Variation, use Basic Parts List								
500-9					SK-314-1				
500-10	No Variation, use Basic Parts List.								
500-AM	No Variation, use Basic Parts List.								
501	No Variation, use Basic Parts List.								
501-1					SK-165-1		5036		
501-2	No Variation, use Basic Parts List.								
501-3							5036		
501-4					SK-101-1				
501-7					SK-314-1				
501-8							5036		
501-11					SK-165-1	37"			
502	No Variation, use Basic Parts List.								
502-1	No Variation, use Basic Parts List.								
502-2					SK-165-1	62"	5036		
502-5	3174	(Use 3576 Connector and C3500-A Valve)							
503					SK-314-1		3538		
503-1					SK-314-1				
503-2					SK-314-1	46"			
504-1					SK-165-1	44"	5034		3775
506					SK-165-1		5034		3775
523			3552	12.00					5132
543			3554	12.00					5131
560			3800	12.00					5130
562			3800	12.00					5130
563			3800	12.00					5130
564			3800	12.00	SK-114-1	72"			5130
570							3538		
572					SK-101-1	72"			
574					SK-165-1		5036		
574-1					SK-165-1	43"	5036		