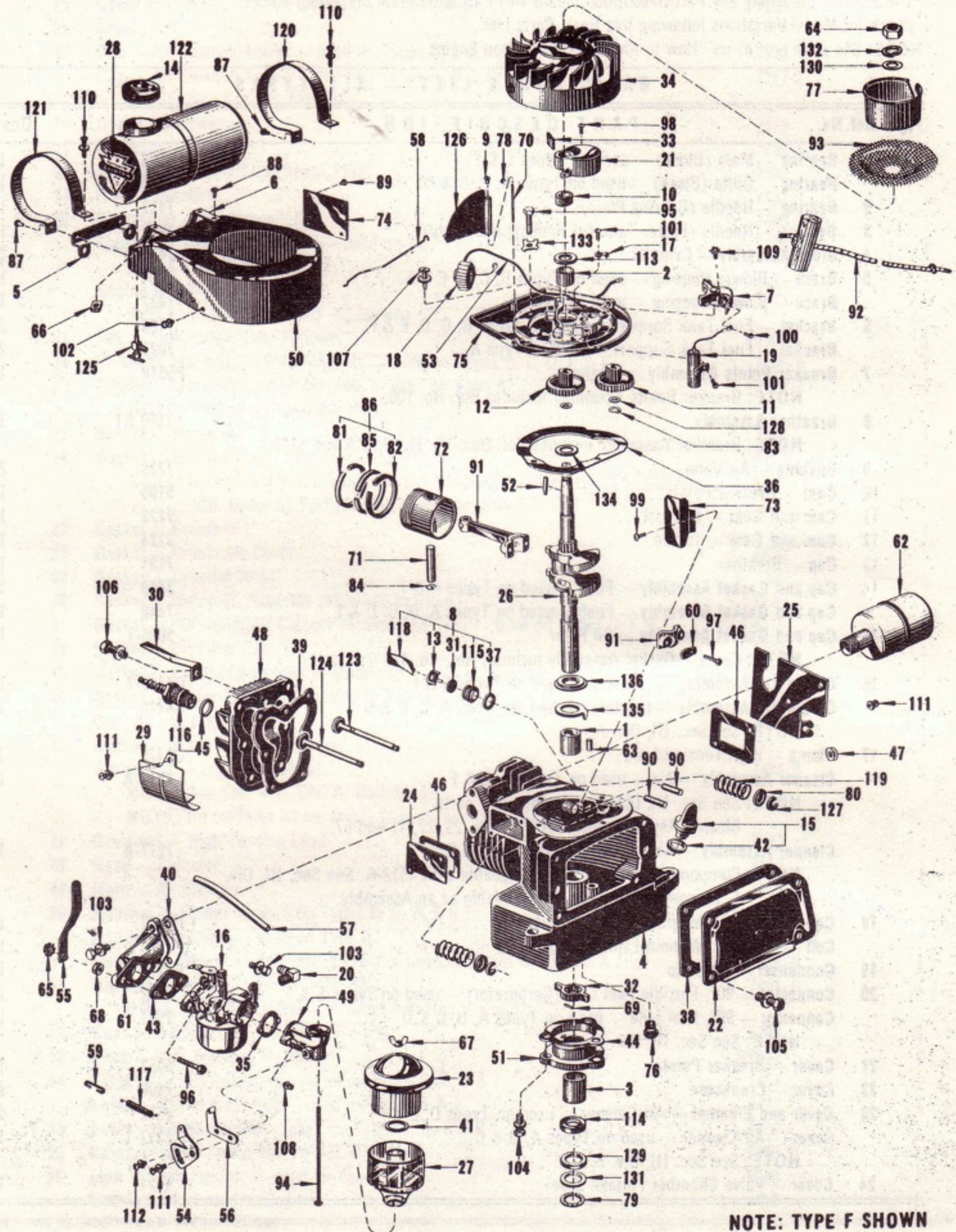


SEC. II, DIV. VS-300
PARTS CATALOG
Revised July, 1955
Supersedes Oct., 1953

CLINTON

SERIES
VS-300
4-CYCLE

BASIC
TYPES



NOTE: TYPE F SHOWN

CLINTON

SERIES VS-300 4-CYCLE

BASIC
TYPES

SEC. II, DIV. VS-300
PARTS CATALOG
Revised July, 1955
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There are six Basic Types of the VS-300 Engines covered by this Basic Parts List. Parts not used on all 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." SERIAL NUMBER SUFFIX "C"—referred to as "TYPE C." SERIAL NUMBER SUFFIX "D"—referred to as "TYPE D." SERIAL NUMBER SUFFIX "E"—referred to as "TYPE E." SERIAL NUMBER SUFFIX "F"—referred to as "TYPE F."

*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	Bearing — Main (Block) — used on Types E & F.....	3806	1
	Bearing — Oilite (Block) — used on Types A, B, C & D.....	7424	1
2	Bearing — Needle (Bearing Plate).....	7423	1
3	Bearing — Needle (Power Take-Off Housing Assembly).....	4422	1
4	Block Assembly — Cylinder.....	7411-A	1
5	Brace — Blower Housing — used on Types B, C, D, E & F.....	7164	1
	Brace — Blower Housing — used on Type A.....	7432	1
6	Bracket — Fuel Tank Support — used on Types B, C, D, E & F.....	7163	2
	Bracket — Fuel Tank Support — used on Type A.....	7022	2
7	Breaker Points Assembly — Magneto.....	P5510	1
	NOTE: Breaker Points Assembly includes Ref. No. 100.		
8	Breather Assembly.....	7150-A1	1
	NOTE: Breather Assembly includes Ref. Nos. 13, 31, 37, 115 and 118.		
9	Bushing — Air Vane.....	7239	2
10	Cam — Breaker Points.....	5105	1
11	Cam and Gear — Exhaust.....	7222	1
12	Cam and Gear — Intake.....	7224	1
13	Cap — Breather.....	7151	1
14	Cap and Gasket Assembly — Fuel — used on Types A & F.....	3059	1
	Cap and Gasket Assembly — Fuel — used on Types A, B, C, D & E.....	7440	1
15	Cap and Gasket Assembly — Oil Filler.....	5095-1	1
	NOTE: Cap and Gasket Assembly includes Ref. No. 42.		
16	Carburetor Assembly — (Carter) — used on Types E & F.....	C4446-2	1
	Carburetor Assembly — (Carter) — used on Types A, B, C & D.....	C4446	1
	NOTE: See Sec. III, Div. A.		
17	Clamp — High Tension Lead.....	C3410	1
	Cleaner Assembly — Air — used on Types D, E & F.....	4512-A	1
	NOTE: See Sec. III, Div. F, for component parts. Cleaner Assembly includes Ref. Nos. 23, 27, 41 and 67.		
	Cleaner Assembly — Air — used on Types A, B & C.....	7217-A	1
	NOTE: Component parts not interchangeable with 4512-A. See Sec. III, Div. F, for component parts. Not available as an Assembly.		
18	Coil Assembly — Magneto (With Laminations).....	P5502	1
	Coil — Magneto (Without Laminations).....	P5509	1
19	Condenser — Magneto.....	P7219	1
20	Connector — 90°, Flexible Fuel Line (Carburetor) — used on Types E & F.....	5052	1
	Connector — 90°, Fuel Line — used on Types A, B, C & D.....	3561	1
	NOTE: See Sec. III, Div. G.		
21	Cover — Breaker Points.....	5062	1
22	Cover — Crankcase.....	7400	1
23	Cover and Element — Air Cleaner — used on Types D, E & F.....	4512	1
	Cover — Air Cleaner — used on Types A, B & C.....	7217-1	1
	NOTE: See Sec. III, Div. F.		
24	Cover — Valve Chamber (Intake Side).....	7221	1

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
25	Cover and Shield — Valve Chamber (Exhaust Side)	7231-1	1
26	Crankshaft	7403	1
27	Cup — Air Cleaner, Lower — used on Types D, E & F	4513	1
	Cup — Air Cleaner, Lower — used on Types A, B & C	7217-2	1
	NOTE: See Sec. III, Div. F.		
28	Decal — Arrowhead	3579	2
29	Deflector — Air	7430	1
30	Device — Shorting Clip (Spark Plug)	3599	1
31	Disc — Breather	7152	1
32	Distributor — Oil (Impeller)	7402	1
	Element — Filter, Air Cleaner — used on Types A, B & C	7217-3	1
	NOTE: See Sec. III, Div. F.		
	Engine Repair Kit	6302	1
	NOTE: See Sec. VIII, Div. A, Bulletin 57.		
33	Felt — Lubrication, Cam Follower	P5504	1
34	Flywheel Assembly — With Magnets — used on Types B, C, D, E & F	7186-A	1
	Flywheel Assembly — With Magnets — used on Type A	7223-A	1
	NOTE: Sold as an Assembly only.		
35	Gasket — Air Horn	3990	1
36	Gasket — Bearing Plate (Standard, .015 thick)	7216	1
	NOTE: Gaskets are also available in the following thicknesses: .005, .010 and .020. Order by Part No. and specify thickness.		
37	Gasket — Breather	7153	1
38	Gasket — Crankcase Cover	7438	1
39	Gasket — Cylinder Head	7201	1
40	Gasket — Manifold, Asbestos (Manifold to Block)	7149	1
41	Gasket — "O" Ring, Air Cleaner (Element to Cup) — used on Types D, E & F	4515	1
42	Gasket — Oil Filler Cap	3297	1
43	Gasket — Paper (Carburetor to Manifold)	7168	1
44	Gasket — Power Take-Off (Housing to Block)	7421	1
45	Gasket — Spark Plug	3115	1
46	Gasket — Valve Chamber Covers	7232	2
	Gasket Kit — Engine Overhaul	7438-A	1
	NOTE: See Sec. VIII, Div. A, Bulletin 48.		
	NOTE: Kit contains all necessary Gaskets and Oil Seals.		
47	Grommet — High Tension Lead	3283	1
48	Head — Cylinder	7200	1
49	Horn — Air Cleaner	3991	1
50	Housing — Blower — used on Types B, C, D, E & F	7160	1
	Housing — Blower — used on Type A	7242	1
	Housing — Blower (For Recoil Starter) — used on Types B, C, D, E & F	7196-A	1
51	Housing Assembly — Power Take-Off	7401-A	1
	NOTE: Housing Assembly includes Ref. Nos. 3 and 32.		
52	Key — Flywheel	7244	1
53	Lead — High Tension, Magneto	P5521	1
54	Lever — Speed Adjusting — used on Types C, D, E & F	7454	1
	Lever — Speed Adjusting — used on Types A & B	4441	1
55	Lever — Speed Control — used on Types C, D, E & F	4408	1
56	Lever — Stop — used on Types C, D, E & F	7453	1
57	Line — Fuel, Flexible — used on Types E & F	6316	1
	Line — Fuel — used on Type D	7456	1

CLINTON

SERIES VS-300 4-CYCLE

BASIC
TYPES

SEC. II, DIV. VS-300
PARTS CATALOG
Revised July, 1955
Supersedes Oct., 1953

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
	Line — Fuel — used on Types B & C.....	7445	1
	Line — Fuel — used on Type A.....	7434	1
	NOTE: See Sec. III, Div. G.		
58	Link — Carburetor to Air Vane — used on Types B, C, D, E & F.....	7442	1
	Link — Carburetor to Air Vane — used on Type A.....	7435	1
59	Link — Governor Spring.....	7259	1
60	Lock — Connecting Rod Screw.....	7206	2
61	Manifold — Carburetor.....	6411	1
62	*Muffler — Tubular — used on Types E & F.....	3639	1
	*Muffler — Pancake — used on Types A, B, C & D.....	7256	1
	NOTE: For replacement order 3639 Muffler.		
63	Nozzle — Oil Discharge.....	7425	1
64	Nut — Hexagon, 7/16-20 (Starter Pulley).....	3250	1
65	Nut — Hexagon, Gripco, 1/4-28 (Speed Control Lever).....	3265	1
66	Nut — Square, #10-24 (Tank Straps to Bracket).....	3253	2
67	Nut — Wing (Air Cleaner Screw).....	7044	1
68	Nut & L'washer Ass'y — Hexagon, 1/4-28 (Manifold).....	3255-A	1
	Pin — Cam Axle (Not Illustrated).....	7225	2
69	Pin — Impeller (Crankshaft).....	7426	1
70	Pin — Pivot, Air Vane, Governor — used on Types B, C, D, E & F.....	7184	1
	Pin — Pivot, Air Vane, Governor — used on Type A.....	7238	1
71	Pin — Wrist.....	3033	1
72	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. Piston Assembly includes Ref. Nos. 71, 72, 84 and 86.		
73	Plate — Baffle, Crankcase.....	7235	1
74	Plate — Name, Clinton Engines.....	6530	1
75	*Plate — Bearing.....	7428-B	1
	NOTE: Bearing Plate includes Ref. Nos. 2 and 113.		
	Plate Assembly — Bearing & Magneto.....	C7428-C	1
	NOTE: Bearing & Magneto Plate Assembly includes Ref. Nos. 7, 18, 19, 75, 101, 107, and 109.		
76	Plug — Oil Drain.....	3289	1
77	Pulley — Starter.....	3299	1
78	Retainer — Air Vane.....	4430	1
79	Retainer — Self-Locking (Power Take-Off).....	7452	1
80	Retainer — Valve Spring.....	3028	2
81	Ring — Compression, Standard.....	3572	1
82	Ring — Oil, 3/16, Standard.....	3574-1	1
83	Ring — Retainer, Cam and Gear.....	7226	2
84	Ring — Retainer, Wrist Pin.....	3030	2
85	Ring — Scraper, Standard.....	3573	1
86	Ring Set — Standard (3/16 Oil Ring).....	3048-1	1
	NOTE: Ring Sets are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part No. and specify oversize. Ring Set includes Ref. Nos. 81, 82 and 85.		
87	Rivet — Tubular, 3/16 x 3/8 (Brace to Blower Housing).....	5461	2
88	Rivet — Tubular, 3/16 x 9/32 (Bracket to Blower Housing).....	3619	2
89	Rivet — Tubular, Name Plate.....	3660	4

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
90	Rod — Push (Cam Gears)	7228	2
91	Rod Assembly — Connecting	7204-A	1
	NOTE: Rod Assembly includes Ref. Nos. 60 and 97.		
92	Rope Assembly — Starter	4266	1
93	Screen — Revolving	7265	1
94	Screw — F.H., #10-24 x 5-5/8 (Air Cleaner)	7249	1
95	Screw — H.H.C., 1/4-28 x 5/8 (Bearing Plate to Block)	7236	4
96	Screw — H.H.C., 1/4-28 x 1-1/4 (Carburetor to Manifold)	3235	1
97	Screw — H.H.C., 1/4-28 x 1 (Connecting Rod Cap)	7205	2
98	Screw — O.H.S.T., #6-32 x 3/8 (Breaker Cover to Bearing Plate)	5416	2
99	Screw — R.H.S.T., #8-32 x 3/8 (Baffle Plate to Block)	5409	1
100	Screw — R.H.S.T., #6-32 x 3/8 (Breaker Points Terminal)	5405	1
101	Screw — R.H.S.T., #8-32 x 1/4 (1—Clamp to Bearing Plate, 1—Condenser to Bearing Plate)	5415	2
102	Screw & L'washer Ass'y — H.H.C., 1/4-20 x 1/2 (Blower Housing to Bearing Plate)	3205-G	2
103	Screw & L'washer Ass'y — H.H.C., 1/4-28 x 3/4 (1—Carburetor to Manifold, 2—Manifold to Block)	3230-G	3
104	Screw & L'washer Ass'y — H.H.C., 1/4-28 x 5/8 (Power Take-Off Housing to Block)	7236-G	3
105	Screw & L'washer Ass'y — H.H.C., 5/16-18 x 1/2 (Crankcase Cover to Block)	3221	4
106	Screw & L'washer Ass'y — H.H.C., 5/16-18 x 1 (Cylinder Head to Block)	3201-D	7
107	Screw & L'washer Ass'y — Pan H.S.T., 1/4-20 x 1 (Coil to Bearing Plate)	5406-B	2
108	Screw & L'washer Ass'y — R.H.M., #8-32 x 3/4 (Air Horn to Carburetor)	7113-G	2
109	Screw & L'washer Ass'y — R.H.M., #8-32 x 5/16 (Breaker Points to Bearing Plate)	5407-F	1
110	Screw & L'washer Ass'y — R.H.M., #10-24 x 1 (Fuel Tank Straps)	5421-A	2
111	Screw & L'washer Ass'y — R.H.M., #10-32 x 3/8 (1—Speed Adjusting Lever, 4—Valve Cover)	3222-F	5
112	Screw & L'washer Ass'y — R.H.M., #8-32 x 1/4 (Stop Lever)	7143-A	1
113	Seal — Oil (Bearing Plate)	7254	1
114	Seal — Oil (Power Take-Off)	4429	1
115	Seat — Breather	7150	1
116	Spark Plug and Gasket Assembly	3568	1
117	Spring — Air Governor — used on Types B, C, D, E & F	4282	1
	Spring — Air Governor — used on Type A	7263	1
118	Spring — Breather, Hold Down	7234	1
119	Spring — Valve	3068-B	2
120	Strap — Fuel Tank — (1 used on Types B, C, D & E, 2 on Types A & F)	7161	
121	Strap — Fuel Tank, Offset — used on Types B, C, D & E	7162	1
122	Tank Assembly — Fuel	7439-A	1
	NOTE: Tank Assembly includes Ref. No. 14.		
123	Valve — Exhaust	7230	1
	Valve — Exhaust, Oversize Stem (Approx. 9/32 Dia.)	7230-1	1
124	Valve — Intake	7229	1
	Valve — Intake, Oversize Stem (Approx. 9/32 Dia.)	7229-1	1
125	Valve — Fuel, Shut-Off, Flexible Line — used on Types E & F	5051	1
	Valve — Fuel, Shut-Off — used on Types A, B, C & D	5050	1
	NOTE: See Sec. III, Div. G.		
126	Vane — Air Governor — used on Types B, C, D, E & F	7188	1
	Vane — Air Governor — used on Type A	7237	1
127	Washer — "C", Valve Keeper	3291	2
128	Washer — End Play, Cam Gear	7437	2

NOTE: This Washer is used only to remove end play of Cam Gear.

CLINTON

S E R I E S VS-300 4 - C Y C L E

**BASIC
TYPES AND
MODEL
VARIATIONS**

**SEC. II, DIV. VS-300
PARTS CATALOG**
Revised July, 1955
Supersedes Oct., 1953

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
129	Washer — Felt (Power Take-Off)	7443	1
130	Washer — Flat, 7/16 (Starter Pulley)	5482	1
131	Washer — Flat, Steel (Power Take-Off)	7444	1
132	Washer — Lock, 7/16 (Starter Pulley)	3275	1
133	Washer — Lock, Tab Type (Bearing Plate to Block)	7028	4
134	Washer — Thrust	7218	1
NOTE: Thrust Washers are also available in the following oversizes: .005 and .010. Order by Part No. and specify oversize.			
135	Washer — Thrust, Bronze (Crankshaft) — used on Types D, E & F	7450	1
136	Washer — Thrust, Steel (Crankshaft)	3290	1

AVAILABLE OVERHAUL KITS

Engine Model	Description	Kit No.
All Types	Gasket Overhaul Kit	7438-A
All Types	Engine Overhaul Kit	6302
All Types	Carburetor Overhaul Kit (Carter)	C3964

MODEL VARIATIONS OF VS-300 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".	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.	MUFFLER , (Parts Numbers Shown) Refer to Illustrated Basic Parts List for corresponding part.
STARTER —KICK OR RECOIL, (Assembly Numbers Shown) refer to Sec. III, Div. C and Div. H for Parts Lists.	PLATE ASSEMBLY—BEARING , (Part Numbers Shown) Refer to Illustrated Basic Parts List for corresponding part.		
VS-300-NOA	No Variation, use Basic Parts List.		
VS-300-NOB	No Variation, use Basic Parts List.		
VS-300-NOC	No Variation, use Basic Parts List.		
VS-300-NOD	Note 1		
VS-300-NOE	No Variation, use Basic Parts List.		
VS-300-NOF			7458-A
VS-300-NOG	No Variation, use Basic Parts List.		
VS-300-NOH		SK-523	
VS-300-NOJ	No Variation, use Basic Parts List.		
VS-300-NOK	No Variation, use Basic Parts List.		
VS-300-NOL			7256
VS-300-NOM	Note 2	SK-523	
VS-300-NON	Notes 3 & 4		7458-A

MODEL VARIATIONS OF VS-300 SERIES (Cont.)

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

Eng. Mod.	Fuel	Blk. Assy.	Con. Grp.	Cable		Starter	Bearing	
VS-300-NOP	No Variation, use Basic Parts List.							
VS-300-NORA						C6311		
VS-300-NORB						C6311		
VS-300-NORC						C6311	7458-A	
VS-300-NORD						C6311		
VS-300-NORF						C6311		
VS-300-NORG						C6311		
VS-300-NOS	No Variation, use Basic Parts List.							
VS-300-NOSA						C6324		
VS-300-NOSB						C6324		
VS-300-NOSC						C6324		
VS-300-NOSD						C6324		
VS-300-NOT					7256			
VS-300-NOTB	Notes 3 & 4						C6320	7458-A
VS-300-NOU	No Variation, use Basic Parts List.							
VS-300-NOV	No Variation, use Basic Parts List.							
VS-300-NOW	No Variation, use Basic Parts List.							
VS-300-NOX	Note 5							
VS-301-NOD			SK-517	72"	(Use 4282 Gov. Spring)			
VS-301-NOE			SK-517		(Use 4282 Gov. Spring)			
VS-301-NORB			SK-517	72"	(Use 4282 Gov. Spring)	C6311		
VS-301-NOSB			SK-517	72"	(Use 4282 Gov. Spring)	C6324		

Note 1 — Additional parts: 4425 Nut and 4500 Muffler.

Note 2 — Use 2129-A Air Cleaner Assembly, 2075 Gasket and 2128 Spacer, See Sec. III Div. F.

Note 3 — This Engine uses a shut-off switch and the following additional parts are necessary — 7466 Switch Ass'y; 4186-A Shorting Wire Ass'y; 5522 Nut; 5526-E Terminal Wire Ass'y; 3239 Screw; 3288 Washer; 5527 Washer, shoulder fiber; 5528 Washer, fiber; 5524 Nut; 3205-G (2) Screw & L'washer Ass'y.

Note 4 — Use 4448 Stop Lever; 7465 Speed Adjusting Lever; 2077 Washer (5/8 O. D.); 7469 Washer (7/16 O. D.); 5449 Pivot Screw.

Note 5 — Use 7470-A Valve Cover Assembly, 4735 Air Horn, 5053 Connector, 6319 Line Flex, Breather.