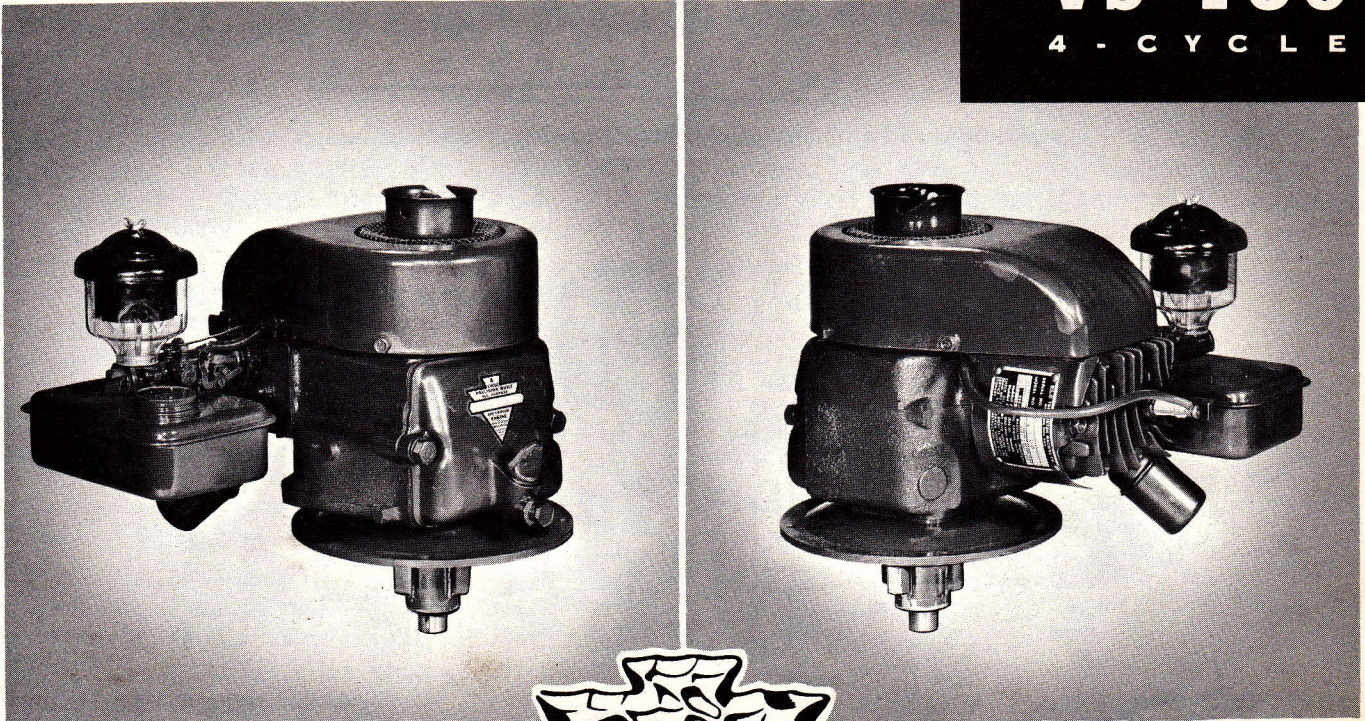
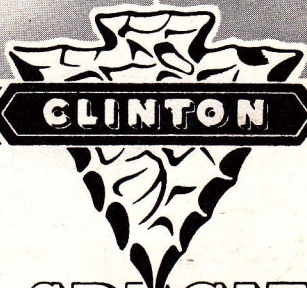


S E R I E S
VS-750
4 - C Y C L E



A Wide Range of Models are Made By **CLINTON** For Farm, Home and Industrial Use.



VS-750	H.P.	R.P.M.
	1.07.....	2400
	1.36.....	3000
	1.6.....	3600

GENERAL SPECIFICATIONS

Model	Type	Description	Starter	Weight
VS-750	4-Cycle Air Cooled	Vertical Shaft	Rope or Recoil	35

BORE: 2".

STROKE: 1 7/8".

TYPE: 4-cycle, single cylinder, L-Head, air-cooled.

AIR-COOLED: Large capacity, curved vane blower cast integral with flywheel. Air passes through deep fins to maintain correct operating temperature.

PISTON DISPLACEMENT: 5.89 cubic inches.

IGNITION: Very high voltage, built-in flywheel magneto for faster starting. Moisture and dust proof with fully enclosed ignition points.

SPARK PLUG: 14 mm.

LUBRICATION: Splash type. Oil drainage permitted from end of crankcase cover.

CARBURETION: Specially designed suction type with mixing valve, adjustable.

GOVERNOR: Adjustable air velocity type, statically balanced.

MAIN BEARINGS: Steel backed babbit in upper power take-off and needle bearings in both the flywheel and lower power take-off. A positive dirt-proof seal protects the lower needle bearing and oil seal.

CRANKSHAFT: Arma steel, induction heat-treated. Counterweights and cam gear drive integral with shaft.

CONNECTING ROD: I-Beam, aluminum alloy with extra large bearings.

PISTON: Aluminum alloy, extended skirt for longer ring life. Treated surface.

PISTON RINGS: Two compression and one slotted oil. Treated surfaces.

VALVES: Forged steel. Exhaust valve provided with heat-resistant alloy head.

VALVE TAPPETS: Hardened and ground.

CYLINDER AND CRANKCASE: Close grained gray iron, metallurgically controlled in our own foundry.

CYLINDER HEAD: Aluminum, removable with extra deep and curved cooling fins.

OIL FILLER: Oil filler plug conveniently located on end of crankcase cover for easy check of oil level and for filling.

AIR CLEANER: Visible oil bath type.

FUEL TANK: One quart capacity.

OIL RESERVOIR: One pint capacity.

DIRECTION OF ROTATION: Counter-clockwise, viewed from power take-off shaft side.

FINISH: Heat resistant, dark green enamel. Other colors available upon request.



MANUFACTURED IN A WIDE RANGE OF 2-CYCLE AND 4-CYCLE MODELS

CLINTON ENGINES PROVIDE POWER

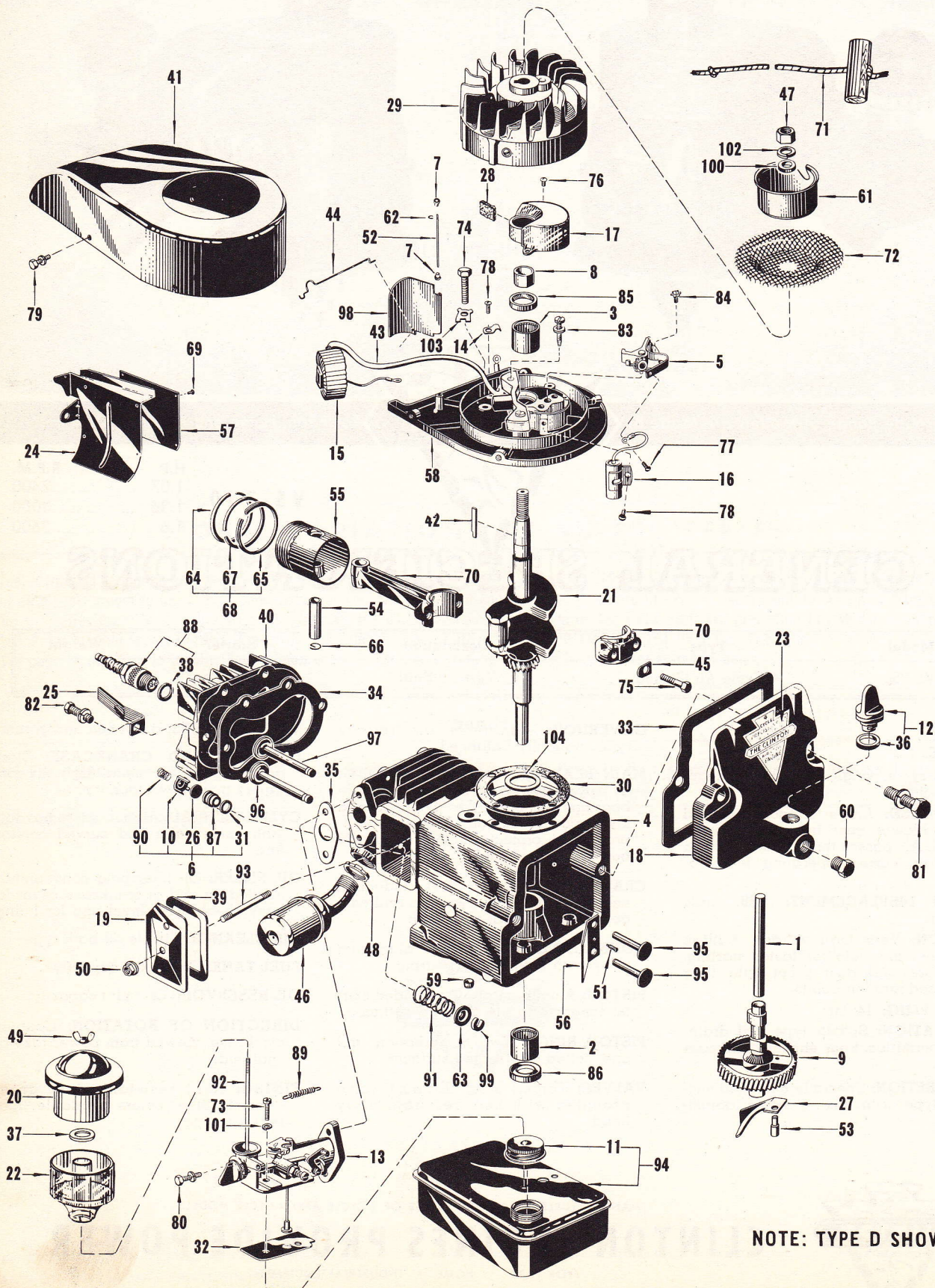
FOR FARM • HOME • INDUSTRIAL EQUIPMENT

PRINTED IN U.S.A.

CLINTON **SERIES VS-750**
4 - C Y C L E

BASIC
TYPES

Specifications and Dimensions are subject to change without notice.



NOTE: TYPE D SHOWN

CLINTON



BASIC TYPES

SEC. II, DIV. VS-750
 PARTS CATALOG
 Revised July, 1955
 Supersedes Oct., 1953

There are four Basic Types of the VS-750 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."

*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	*Bearing — Main (Block)	3806	1
3	Bearing — Needle (Bearing Plate)	4428	1
4	*Block Assembly — Cylinder—used on Types B, C & D	4464-A	1
	*Block Assembly — Cylinder—used on Type A	4420-A	1
5	Breaker Points Assembly — Magneto	P5510	1
	NOTE: Breaker Points Assembly includes Ref. No. 77.		
6	Breather Assembly	7150-A2	1
	NOTE: Breather Assembly includes Ref. Nos. 10, 26, 31, 87 and 90.		
7	Bushing — Air Vane	7239	2
8	Cam — Breaker Points	5105	1
9	Camshaft	6041-2	1
10	Cap — Breather	7151	1
11	Cap and Gasket Assembly — Fuel	7011	1
12	Cap and Gasket Assembly — Oil Filler	5095-1	1
	NOTE: Cap and Gasket Assembly includes Ref. No. 36.		
13	Carburetor Assembly — Suction	4484-2	1
	NOTE: Interchangeable with 4481 Suction Carburetor. See Sec. III, Div. A.		
14	Clamp — High Tension Lead	C3410	1
	Cleaner Assembly — Air	4512-B	1
	NOTE: See Sec. III, Div. F, for component parts.		
	NOTE: Cleaner Assembly includes Ref. Nos. 20, 22, 37 & 49.		
	Cleaner Assembly — Air	7084-B	1
	NOTE: Component parts not interchangeable with 4512-A. See Sec. III, Div. F, for component parts. Not available as an Assembly.		
15	Coil Assembly — Magneto (With Laminations)	P5502	1
	Coil — Magneto (Without Laminations)	P5509	1
16	Condenser — Magneto	P7219	1
17	Cover — Breaker Points	5062	1
18	Cover — Crankcase—used on Types B, C & D	4466	1
	Cover — Crankcase—used on Type A	4402	1
19	Cover — Valve Chamber	3035	1
20	Cover and Element — Air Cleaner	4512	1
	Cover — Air Cleaner	7217-1	1
	NOTE: See Sec. III, Div. F.		
21	*Crankshaft — used on Types B, C & D	4403	1
	Crankshaft — used on Type A	5129	1
22	Cup — Air Cleaner, Lower	4514	1
	Cup — Air Cleaner, Lower	7084	1
	NOTE: See Sec. III, Div. F.		
23	Decal — Arrowhead	3579	2
24	Deflector — Air	5092	1
25	Device — Shorting Clip (Spark Plug)	3599	1
26	Disc — Breather	7152	1

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
27	Distributor — Oil.....	4412	1
	Elbow — Muffler—used on Types A, B & C.....	4419	1
	Element — Filter, Air Cleaner.....	7217-3	1
	NOTE: See Sec. III, Div. F.		
	Engine Repair Kit.....	6305	1
	NOTE: See Sec. VIII, Div. A, Bulletin 57.		
28	Felt — Lubrication, Cam Follower.....	P5504	1
29	Flywheel Assembly — With Magnets.....	5111	1
	NOTE: Sold as an Assembly only.		
30	Gasket — Bearing Plate (Standard, .015 thick).....	3056	1
	NOTE: Gaskets are also available in the following thicknesses: .005, .010 and .020. Order by Part No. and specify thickness.		
31	Gasket — Breather.....	7153	1
32	Gasket — Carburetor (To Fuel Tank).....	7126	1
33	Gasket — Crankcase Cover—used on Types B, C & D.....	4465	1
	Gasket — Crankcase Cover—used on Type A.....	3054	1
34	Gasket — Cylinder Head.....	3055	1
35	Gasket — Manifold, Asbestos (Carburetor to Block).....	7149	1
36	Gasket — Oil Filler Cap.....	3297	1
37	Gasket — "O" Ring, Air Cleaner (Element to Cup).....	4515	1
38	Gasket — Spark Plug.....	3115	1
39	Gasket — Valve Chamber Cover.....	3057	1
	Gasket Kit — Engine Overhaul.....	3054-A	1
	NOTE: See Sec. VIII, Div. A, Bulletin 48.		
	NOTE: 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.....	4489	1
45	Lock — Connecting Rod Screw.....	3027	2
46	Muffler — 45° Inlet—used on Type D.....	4500	1
	Muffler — Tubular—used on Types A, B & C.....	3639	1
47	Nut — Hexagon, 7/16-20 (Starter Pulley).....	3250	1
48	Nut — Lock (Muffler).....	4425	1
49	Nut — Wing (Air Cleaner Stud).....	7044	1
50	Nut & L'washer Ass'y — Hexagon, 1/4-28 (Valve Chamber Cover).....	3255-A	1
51	Pin — Drive (Baffle Plate to Block).....	3569	1
52	Pin — Pivot, Air Vane, Governor.....	7184	1
53	Pin — Retaining (Distributor to Camshaft).....	3656	1
54	Pin — Wrist.....	3033	1
55	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. 54, 55, 66 & 68.		
56	Plate — Baffle, Crankcase.....	3559	1
57	Plate — Name, Clinton Engines.....	6530	1
58	Plate — Bearing.....	5506-2	1
	NOTE: Bearing Plate includes Ref. Nos. 3 and 85.		

CLINTON

SERIES VS-750 4-CYCLE

BASIC
TYPES

SEC. II, DIV. VS-750
PARTS CATALOG
Revised July, 1955
Supersedes Oct., 1953

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
	Plate Assembly — Bearing & Magneto.....	C5505-3	1
	NOTE: Bearing & Magneto Plate Assembly includes Ref. Nos. 5, 15, 16, 58, 78, 83 and 84.		
59	Plug — Camshaft Axle.....	3281	1
60	Plug — Oil Drain.....	3289	1
61	Pulley — Starter.....	3299	1
62	Retainer — Air Vane.....	4430	1
63	Retainer — Valve Spring.....	3028	2
64	Ring — Compression, Standard.....	3572	1
65	Ring — Oil, 3/16, Standard.....	3574-1	1
66	Ring — Retainer, Wrist Pin.....	3030	2
67	Ring — Scraper, Standard.....	3573	1
68	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.		
	NOTE: Ring Set includes Ref. Nos. 64, 65 and 67.		
69	Rivet — Tubular, Name Plate.....	3660	4
70	Rod Assembly — Connecting.....	3022-B	1
	NOTE: Rod Assembly includes Ref. Nos. 45 and 75.		
71	Rope Assembly — Starter.....	4266	1
72	Screen — Revolving.....	7265	1
73	Screw — F.H., #10-32 x 1/2 (Carburetor to Fuel Tank).....	5412	2
74	Screw — H.H.C., 1/4-28 x 3/4 (Bearing Plate to Block).....	5431	4
75	Screw — H.H.C., 1/4-28 x 1-1/4 (Connecting Rod Cap).....	3235	2
76	Screw — O.H.S.T., #6-32 x 3/8 (Breaker Cover to Bearing Plate).....	5416	2
77	Screw — R.H.S.T., #6-32 x 3/8 (Breaker Points Terminal).....	5405	1
78	Screw — R.H.S.T., #8-32 x 1/4 (1—Clamp to Bearing Plate, 1—Condenser to Bearing Plate).....	5415	2
79	Screw & L'washer Ass'y — H.H.C., 1/4-20 x 1/2 (Blower Housing to Bearing Plate).....	3205-G	4
80	Screw & L'washer Ass'y — H.H.C., 1/4-28 x 5/8 (Carburetor to Block).....	7236-G	2
81	Screw & L'washer Ass'y — H.H.C., 7/16-20 x 1-1/4 (Crankcase Cover to Block).....	5400-G	2
82	Screw & L'washer Ass'y — H.H.C., 5/16-18 x 1 (Cylinder Head to Block).....	3201-D	6
83	Screw & L'washer Ass'y — Pan H.S.T., 1/4-20 x 1 (Coil to Bearing Plate).....	5406-B	2
84	Screw & L'washer Ass'y — R.H.M., #8-32 x 5/16 (Breaker Points to Bearing Plate).....	5407-F	1
85	Seal — Oil (Bearing Plate).....	3136	1
86	* Seal — Oil (Power Take-Off).....	4429	1
87	Seat — Breather.....	4404	1
88	Spark Plug and Gasket Assembly	3568	1
89	Spring — Air Governor.....	7264	1
90	Spring — Breather, Hold Down.....	7154	1
91	Spring — Valve.....	3068	2
92	Stud — Air Cleaner.....	7142	1
93	Stud — Valve Chamber Cover.....	3042	1
94	Tank Assembly — Fuel.....	7031-A	1
	NOTE: Tank Assembly includes Ref. No. 11.		
95	Tappet — Valve.....	3034	2
96	Valve — Exhaust, Standard Stem.....	3031-1	1
	Valve — Exhaust, Oversize Stem (Approx. 9/32 Dia.).....	3031-2	1
97	Valve — Intake, Standard Stem.....	3032-1	1

CLINTON



BASIC
TYPES AND
MODEL
VARIATIONS

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref.No.	PART DESCRIPTION	Part No.	Quantity
	Valve — Intake, Oversize Stem (Approx. 9 32 Dia.)	3032-2	1
98	Vane — Air Governor	4409	1
99	Washer — "C", Valve Keeper	3291	2
100	Washer — Flat, 7/16 (Starter Pulley)	5482	1
101	Washer — Lock, #10 (Carburetor to Fuel Tank)	3285	2
102	Washer — Lock, 7/16 (Starter Pulley)	3275	1
103	Washer — Lock, Tab Type (Bearing Plate to Block)	5480	4
104	Washer — Thrust, Steel (Crankshaft)	3290	1

AVAILABLE OVERHAUL KITS

Engine Model	Description	Kit No.
All Types	Gasket Overhaul Kit	3054-A
All Types	Engine Repair Kit	6305

MODEL VARIATIONS OF VS-750 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

Variations

VS-750-NOA — Use 4495 Block, 4422 Needle Bearing, 4429 Oil Seal, 4490 Crankshaft, in place of parts shown in Basic Parts List. For additional parts use 7053 Loom, and 7054 Control Wire.

VS-750-NOB — Same as VS-750-NOA

