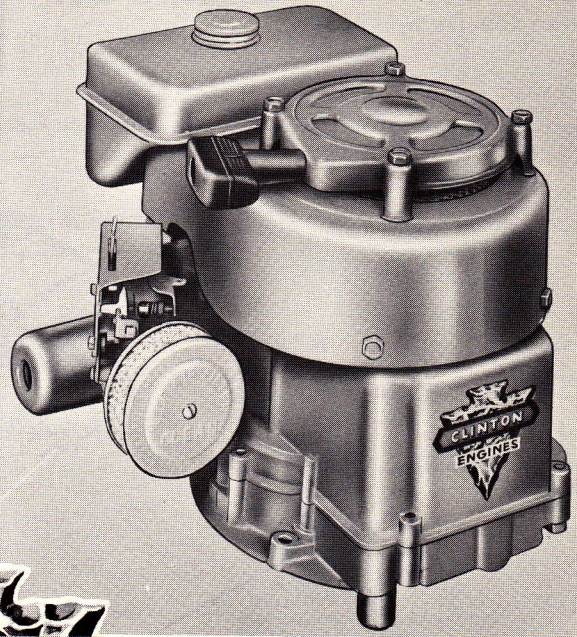
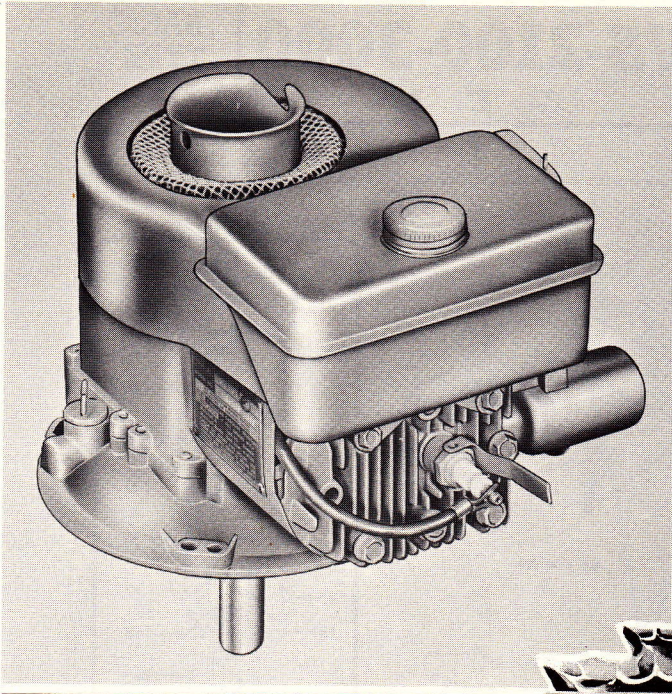


S E R I E S
VS-2100-3000
 G E M



A Wide Range of Models are Made By



For Farm, Home and Industrial Use.

VS-2100-3000

	H.P.	R.P.M.
	1.35	2200
	1.9	2800
	2.25	3600

GENERAL SPECIFICATIONS

Model	Type	Description	Starter	Weight
VS-2100-3000	Air-Cooled	Vertical Shaft	Rope	18¼ lbs.
VS-2100-3000	Air-Cooled	Vertical Shaft	Recoil	19¼ lbs.

BORE: 2¾"

STROKE: 1½"

TYPE: 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: 7.2 cu. inches.

IGNITION: Very high voltage, built-in flywheel magneto for faster starting. Moisture and dust proof with fully enclosed ignition points. Positive safety ON-OFF device on spark plug.

SPARK PLUG: 14 m.m.

LUBRICATION: Positive pressure type.

CARBURETOR: Full float feed with idle and high speed adjustment. Choke control on high speed end.

GOVERNOR: Adjustable pneumatic type.

MAIN BEARINGS: Bronze and aluminum.

CRANKSHAFT: Ductile iron. Counterweights and cam drive gear integral with shaft.

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

PISTON: Aluminum alloy, Clinton-engineered for efficient combustion.

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

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

VALVE SEATS: Alloy inserts.

VALVE TAPPETS: Hardened and ground.

CYLINDER AND CRANKCASE: Die cast cylinder block and crankcase with large amount of cooling area for cool operation. A close-grained cast iron liner is die cast in block.

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

OIL FILLER: Conveniently located for easy check of oil level and for filling.

AIR CLEANER: Metallic mesh dry type.

FUEL TANK: Approximately 1-quart capacity, with gasoline strainer.

OIL RESERVOIR: One and one-fourth pints capacity.

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

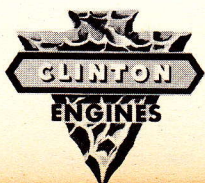
FINISH: Red heat-resisting enamel. Other colors available upon request.

STANDARD EQUIPMENT

Standard equipment includes: Cast iron cylinder liner, replaceable bearing, positive high speed limit throttle lever for throttle and choke control, oil wetted mesh type air cleaner, high voltage dust and moisture-proof flywheel magneto, float feed carburetor, fuel tank, low back pressure muffler, blower housing screen, crankshaft machined to accommodate clutch and blade assembly, rope starter, splash-proof gas tank cap. Safety stop device. Crankshaft extension #1 unless otherwise specified.

SPECIAL EQUIPMENT

Special equipment includes: Remote throttle cable and controls, recoil starter, shorting terminal for remote stop hookup, deluxe mufflers, special paint finishes, Touch 'N' Go controls, angular mufflers, resistor spark plug, special crankshaft extensions, fuel tank shut-off valve, impulse starter. (Quotations available on request.)



WORLD'S LARGEST MANUFACTURER OF A COMPLETE LINE OF AIR-COOLED GASOLINE ENGINES

CLINTON ENGINES PROVIDE POWER

FOR FARM • HOME • INDUSTRIAL EQUIPMENT

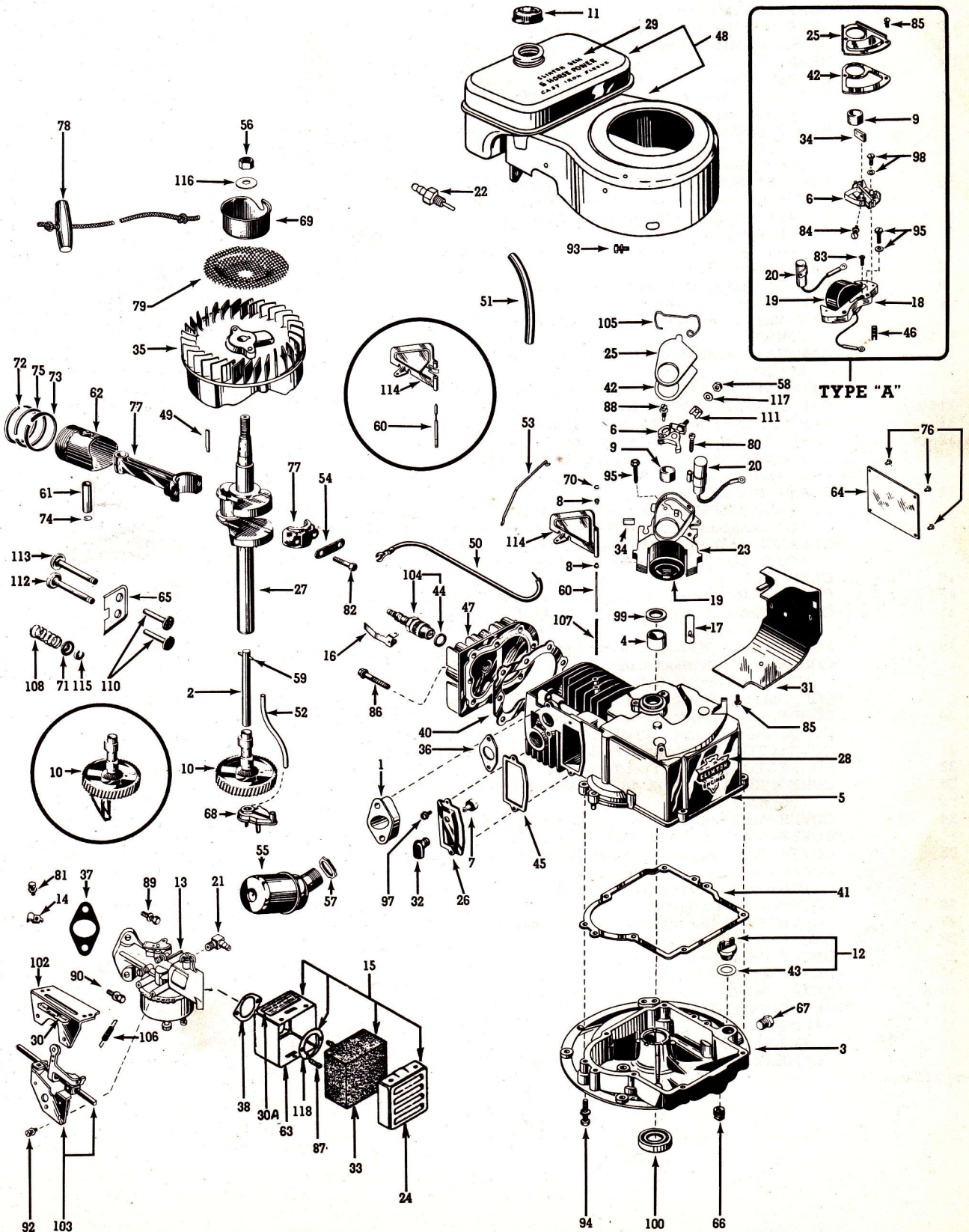
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S E R I E S
VS-2100-3000
G E M

BASIC
TYPE

SEC. II, DIV. VS-2100-3000
PARTS CATALOG
Revised March, 1961
Supersedes Dec., 1959



CLINTON ENGINES CORPORATION

MAQUOKETA, IOWA

PRINTED IN U.S.A.

There are nine Basic Types of the VS2100-3000 Series Engine 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, etc.

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

Ref. No.	Part Description	Part No.	Quan.
1	ADAPTER-Carburetor	12367	1
2	AXLE ASSEMBLY-Camshaft (Includes Pin).....	10310-A	1
3	BASE ASSEMBLY-Engine	31492	1
4	BEARING-Main (Block) Service Bearing	90278	1
	BEARING-Base Service Bearing -Not illus.....	10016	1
5	BLOCK ASSEMBLY-Cylinder (Used on Type A).....	10205-A	1
	NOTE: Assembly incl. Ref. No. 99		
	*BLOCK ASSEMBLY-Cylinder (Used on Types B, C,.....	92017-A	1
	D, E, F, G, H&J)		
	NOTE: Assembly incl. Ref. No. 99		
6	BREAKER POINTS ASSEMBLY (Used on Type A)	P5543	1
	NOTE: Assembly includes Ref. Nos. 34, 84&98.		
	BREAKER POINTS ASSEMBLY (Used on Types B, C,	P5735	1
	D, E, F, G,H&J)		
	NOTE: Assembly includes Ref. Nos. 34, 58, 88&117.....		
7	BREATHER ASSEMBLY	6354	1
8	BUSHING-Air Vane (Used on Types A&B).....	7239	2
9	CAM-Magneto Breaker (Used on Type A)	5707	1
	CAM-Magneto Breaker (Used on Types B, C, D, E, F	5751	1
	G, H&J)		
10	CAMSHAFT ASSEMBLY-(Used on Types A, B, C, D,	10008-A	1
	E, F&H)		
	*CAMSHAFT ASSEMBLY-Slinger (Used on Types G&J).....	91949-A	1
11	CAP & GASKET ASSEMBLY-Fuel	4517-A	1
12	CAP & GASKET ASSEMBLY-Oil Filler.....	5095-1	1
13	CARBURETOR ASSEMBLY-Clinton	P14055	1
	For Complete Identification of Carburetors refer to		
	Section III, Div. A, Page 2.		
14	CLAMP-Remote Control	31463	1
15	CLEANER ASSEMBLY-Air (Used on Types A, B, C, D, E&F)..	91195	1
	NOTE: Assembly includes Ref. Nos. 24, 33, 39, 63 and 91)		
	*CLEANER ASSEMBLY-Air (Used on Types G, H&J).....	92101	1
	NOTE: Assembly includes Ref. Nos. 24, 33, 38, 63, & 118)		
16	CLIP-Ignition Shorting.....	3499	1
17	CLIP-Coil Holding (Used on types B, C, D, E, F, G, H&J).	P5734	1
18	COIL ASSEMBLY-Magneto (With Laminations)	P5593-B	1
	(Used on Type A)		
19	COIL-Magneto (Without Laminations) (Used on Type A).....	P5593-A	1
	COIL-Magneto (Without Laminations)	P5733-A	1
	(Used on Types B, C, D, E, F, G&H)		
	*COIL-Magneto (Without Laminations)(Used on Type J).....	P5770	1
20	CONDENSER-Magneto (Used on Type A)	P5599-A	1
	CONDENSER-Magneto (Used on Types B, C, D, E, F, G, H, J)..	P5589-A	1
21	CONNECTOR-90° Flexible Fuel Line (Carburetor).....	5052	1
22	CONNECTOR-Hose to Fuel Tank	5054	1
23	CORE & BREAKER BOX ASS'Y-Used on Types B, C, D, E,	P5732	1
	F, G, H&J)		
24	COVER-Air Cleaner (Used on Types A, B, C, D, E, F).....	2130	1
	*COVER-Air Cleaner (Used on Types G, H&J)	91807	1
25	COVER-Dust, Magneto Breaker Points (Used on Type A)....	10382	1
	COVER-Dust, Magneto Breaker Points	P5743	1
	(Used on Types B, C, D, E, F, G, H&J)		
26	COVER-Valve Chamber	10323	1
27	CRANKSHAFT-Can use 10128-1 Crankshaft	10100-1	1
28	DECAL-Arrowhead	90559	1
29	DECAL-Horsepower	90493	1
30	DECAL-Throttle Control	3488	1
30-A	*DECAL-Air Cleaner (Used on Types G, H&J)	91767	1
31	*DEFLECTOR ASSEMBLY-Air	91043	1
32	ELBOW-Breather.....	90610	1
33	ELEMENT-Air Cleaner (Used on Type A, B, C, D, E, F).....	2132	1
	*ELEMENT-Air Cleaner (Used on Types G, H&J)	91792	1

34	FELT-Lubrication, Cam Follower (Used on Type A).....	P5504	1
	FELT-Lubrication, Cam Follower (Used on Types B,..... C, D, E, F, G, H&J)	P5742	1
35	FLYWHEEL ASSEMBLY	5753-A	1
36	GASKET-Adapter to Block.....	7149	1
37	GASKET-Carburetor to Adapter	31461	1
38	GASKET-Air Cleaner to Carburetor (Used on Types A,.... B, C, D, E&F)	31445	1
	*GASKET-Air Cleaner to Carburetor (Used on Types	92098	1
	G, H&J)		
39	GASKET-Air Cleaner Element to Plate	21056	1
	(Used on Types A, B, C, D, E&F)		
40	GASKET-Cylinder Head	10253	1
41	GASKET-Engine Base (.015 thick)	10254	1
	Available in .010 thickness		
42	GASKET-Cover(Breaker Points)(Used on Type A)	10250	1
	GASKET-Cover (Breaker Points)(Used on Types B,	P5744	1
	C, D, E, F, G, H&J)		
43	GASKET-Oil Filler Cap.....	5097	1
44	GASKET-Spark Plug	3115	1
45	GASKET-Valve Chamber Cover.....	10251	1
	GASKET KIT-Engine Overhaul (Incl. Gaskets and Block Oil Seal)	91562	1
46	GROMMET-Magneto (Breaker Lead Wire)	10366	1
	(Used on Type A)		
47	HEAD-Cylinder	10011	1
48	HOUSING ASSEMBLY-Blower	21007-A	1
	(Used on Types A, B, C&D)		
49	KEY-Flywheel	10339	1
50	LEAD-Hi-Tension, Magneto (Used on Type A)	P2055	1
	LEAD-Hi-Tension, Magneto (Used on Types B, C, D, E, F, G&H)	P5555	1
	*LEAD-Hi-Tension, Magneto (Used on Type J)	P90761	1
51	LINE-Flexible, Fuel.....	6316	1
52	LINE-Oil Distributor (Oil Pump).....	10390	1
	(Used on Types A, B, C, D, E, F&H)		
53	LINK-Carburetor to Air Vane	31491	1
54	LOCK-Double, Connecting Rod Screw	31018	1
	MAGNETO ASS'Y-Includes Ref. Nos. 6, 17, 19, 20, 23, 25, 34, 42, 58, 80, 88, 95, 105, 111&117.		
	*MAGNETO ASSEMBLY (Used on Type J)	P91740	1
	NOTE: Assembly includes Ref. Nos. 6, 17, 19, 20, 23, 25, 34, 42, 58, 80, 88, 95, 105, 111&117.		
55	MUFFLER	3639	1
56	NUT-Hex., 1/2-20 (Starter Pulley).....	5942	1
57	NUT-Lock (Muffler)	4425	1
58	NUT-Terminal Condenser Lead.....	P5740	1
	(Used on Types B, C, D, E, F, G, H&J)		
59	PIN-Camshaft Axle	10392	1
60	PIN-Pivot, Air Vane Governor (Used on Types A&B).....	7238	1
	PIN-Pivot, Air Vane Governor (Used on Types C, D&E)....	10015	1
	PIN-Pivot, Air Vane Governor	90982	1
	(Used on Types F, G, H&J)		
61	PIN-Wrist	6024	1
62	PISTON ASSEMBLY-Standard	31001-A	1
	NOTE: Piston Assembly includes Ref. Nos. 61, 72, 73, 74 and 75.		
	NOTE: Piston Assemblies are available in the following oversizes: .005, .010, .020, .030, and .040. Order by Part Number and specify oversize.		
63	PLATE-Air Cleaner Mounting.....	21055-A	1
	(Used on Types A, B, C, D, E&F)		
	*PLATE-Air Cleaner Mounting	91806	1
	(Used on Types G, H&J)		
64	PLATE-Name	6530	1
65	PLATE-Valve Spring Retainer.....	10013	1
66	PLUG-3/8 N. P. T. (Oil Drain).....	5655	1
67	PLUG-Pipe Oil Drain	5649	1
68	PUMP ASSEMBLY-Oil (Used on Types A, B, C, D, E, F&H)...	10385-A	1
69	PULLEY-Starter	3299	1
70	RETAINER-Air Vane (Used on Types A&B).....	4430	1
71	RETAINER-Valve Spring	3028	2
72	RING-Compression, Standard-Order Ring Set.....	6026	1
73	RING-Oil, Standard.....	6006	1
74	RING-Retainer, Wrist Pin.....	6034	2
75	RING-Scraper, Standard-Order Ring Set	6027	1

S E R I E S
VS-2100-3000
G E M

BASIC
TYPE

CLINTON

	RING SET-Standard	10023	1
	NOTE: Ring Set includes Ref. Nos. 72, 73&75.		
	NOTE: Ring Sets are available in the following oversizes: .005, .010, .020, .030, .040.		
	Order by Part No. and specify oversize.		
76	RIVET-Tubular	5460	4
77	ROD ASSEMBLY-Connecting	10002-A	1
	NOTE: Assembly incl. Ref. Nos. 54 & 82.		
78	ROPE ASSEMBLY-Starter	4266	1
79	SCREEN-Rotating	90092	1
80	SCREW-R. H. S. T., #8-32x4/5(Condenser to Plate) (Used on Types B, C, D, E, F, G, H&J)	P5741	1
81	SCREW-H. H. S. T., #8-32x1/4 (Shroud to Bracket)	5892	3
	(Clamp to Shroud)		
82	SCREW-H. H. C., 1/4-28x1 1/4 (Connecting Rod Cap).....	3235	2
83	SCREW- P. H. S. T., #4-40x1/4 (Coil to Laminations).....	5641	1
	(Used on Type A)		
84	SCREW-R. H. M., #6-32x1/4 (Breaker Points Terminal)	5664	1
	(Used on Type A)		
85	SCREW-H. H. S. T., #8-32x3/8(2-Dust Cover).....	5644	4
	(2-Deflector to Block)		
86	SCREW-H. W. H., 5/16-18x1 7/8 (2-Tank Bracket)	5654	8
	(6-Cylinder Head)		
87	SCREW-H. H. C., 8-32x7/16, Lock Thread	5812	2
	(Air Cleaner Plate to Carb.)		
88	SCREW & L'WASHER ASS'Y-O. H. Slotted#8-32x9/16	P5737	1
	(Breaker Points to Breaker Box)(Used on Types B, C, D, E, F, G, H&J)		
89	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 1/2	5410-G	1
	(Carburetor to Block, Upper)		
90	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 3/4	5878-G	1
	(Carburetor to Block, Lower)		
91	SCREW & L'WASHER ASS'Y-B. H. M., #8-32x3/8 (Air Cleaner Cover to Plate)(Used on A, B, C, D, E&F)	5457-A	1
92	SCREW & L'WASHER ASS'Y-H. H. C., #8-32x3/8"(Bracket to Carb.)	5644-A	2
93	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1/2	3205-G	2
	(Blower Housing to Block)		
94	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 1/4.....	5613-G	7
	(Base to Block)		
95	SCREW & L'WASHER ASS'Y-P. H. S. T., #10-24x1	5682-A	2
	(Laminations to Block)		
96	SCREW & L'WASHER ASS'Y-R. H. M., #10-24x1/4	5643-A	2
	(Blower Housing to Tank)(Used on Types A, B, C&D)		
97	SCREW & L'WASHER ASS'Y-H. H. C., #10-24x1/2.....	5645-A	2
	(Valve Chamber Cover)		
98	SCREW & L'WASHER ASS'Y-R. H. M., #8-32x3/8	5444-F	1
	(Points to Block)(Used on Type A)		
99	SEAL-Oil (Block)	10012	1
100	SEAL-Oil(Engine Base).....	4429	1
102	SHROUD-Carburetor	21400	1
103	SLIDE ASSEMBLY-Governor Regulating.....	6398	1
	(Used on Types A, B, C, D, &E)		
	SLIDE ASSEMBLY-Governor Regulating	91330	1
	(Used on Types F, G, H&J)		
104	SPARK PLUG AND GASKET ASSEMBLY (H-10).....	K16303-A	1
105	SPRING-Breaker Box Cover(Used on Types B, C, D, E, F, ... G, H&J)	P5745	1
106	SPRING-Extension, Speed Regulating	90635	1
107	SPRING-Compression(Air Vane)(Used on Types A&B).....	10005	1
108	SPRING-Valve	3068	2
109	TANK ASSEMBLY-Fuel(Used on Types A, B, C, &D)	21371-D	1
	TANK & BLOWER HOUSING ASS'Y-(Used on Types E, F, G&H)	31413-A	1
	NOTE: Assembly includes Ref. No. 11		
110	TAPPET-Valve	10009	2
111	TERMINAL-Jamtite Breaker Points(Used on Types B, C, D, E, F, G, H&J)	P5738	1
112	VALVE-Exhaust	10301	1
	VALVE-Exhaust, Oversize .010.....	10321	1
113	VALVE-Intake	10302	1
	VALVE-Intake, Oversize .010	10322	1
114	VANE-Air Governor (Used on Types A&B)	10393	1
	VANE-Air Governor(Used on Types C, D&E)	10014	1
	VANE-Air Governor(Used on Types F, G, H&J)	91033	1
115	WASHER-"C" (Valve Keeper).....	3291	2
116	WASHER-Starter Pulley	5941	1
117	WASHER-Terminal, Condenser Lead	P5739	1
	(Used on Types B, C, D, E, F, G, H & J)		
118	*WASHER-Air Cleaner (Used on Types G, H, &J)	92024	1

CLINTON

S	E	R	I	E	S
VS-2100-3000					
G E M					

**MODEL
VARIATIONS**
SEC. II, DIV. VS-2100-3000
PARTS CATALOG
 Revised April, 1961
 Supersedes June, 1960

MODEL VARIATIONS OF VS-2100-3000 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 page three).	BASE—ENGINE (Part Numbers Shown). Refer to Sec. IV, Div. A for further information.	BLOCK ASSEMBLY — CYLINDER (Part Number Shown). Refer to Illustrated Basic Parts List for corresponding part.	CRANKSHAFT (Part Numbers Shown). Refer to Sec. IV, Div. B for details and further information.	BEARING—MAIN (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.	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.	PLATE ASSEMBLY — BEARING (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.	MUFFLER OR MANIFOLD (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.	STARTER—RECOIL OR IMPULSE. Refer to Sec. III, Div. H for Parts List.	HOUSING AND TANK ASSEMBLY — BLOWER (Part Nos. Shown). Refer to Basic Parts List for corresponding part.	REDUCTION GEAR (Assy. Nos. Shown). Refer to Sec. III, Div. C for Parts List.	MOUNTING POSITION — "Clock" position shows mounting of reduction unit in relation to Crankshaft.
VS-2100-3000													
VS-2100-3100													
VS-2100-3103	Notes 2, 3, 4	10053-B								4500			
VS-2100-3104	Note 7												
VS-2100-3105	Note 7											P90996	21015-A
VS-2100-3106												P90996	21015-A
VS-2100-3107							72"					P90996	21015-A
VS-2100-3108													
VS-2100-3109												P90996	21015-A
VS-2100-3110	Note 7											P90996	21015-A
VS-2100-3112												P90996	21015-A
VS-2100-3113												P90996	21015-A
VS-2100-3114												P90996	21015-A
VS-2100-3115	Note 6											P90996	21015-A
VS-2100-3116	Note 7											P90996	31413-A
VS-2100-3117							72"			4500		P90996	21015-A
VS-2100-3118													
VS-2100-3119												P90996	21015-A
VS-2100-3120												P90996	21015-A
VS-2100-3121	Notes 7, 8, 9											P90996	21015-A
VS-2100-3122												P90996	21015-A
VS-2100-3123	Note 7											P90996	21015-A
VS-2100-3124	Notes 7 & 9											P90996	21015-A
VS-2100-3125	Note 7									6342		P90996	21015-A
VS-2100-3127	Notes 7 & 9											P90996	21015-A
VS-2100-3128												P90996	21015-A
VS-2100-3129												P90996	21015-A
VS-2100-3130	Notes 7 & 9											P90996	21015-A
VS-2100-3131	Note 4											P90996	21015-A
VS-2100-3132	Note 4											P90996	21015-A
VS-2100-3133	Note 7											P90996	21015-A
VS-2100-3134	Note 9											P90996	21015-A
VS-2100-3136	Note 4												
VS-2100-3137	Notes 7 & 11											P90996	21015-A
VS-2100-3140													
VS-2100-3141	Notes 6, 7, 9											P90996	21015-A
VS-2100-3143	Note 4												
VS-2100-3144												P90996	21015-A
VS-2100-3145	Note 4											P90996	21015-A
VS-2100-3146	Note 12	10053-B											
VS-2100-3147	Note 7											P90996	21015-A

CLINTON

S E R I E S
VS-2100-3000
G E M

MODEL VARIATIONS

MODEL VARIATIONS OF VS-2100-3000 SERIES (Cont.)

ENGINE MODEL	FOOTNOTES	BASE—ENGINE	BLOCK ASSEMBLY—CYLINDER	CRANKSHAFT	BEARING—MAIN	CONTROL GROUP	CONTROL CABLE LENGTH	PLATE ASSEMBLY—BEARING	MUFFLER OR MANIFOLD	STARTER—RECOIL	HOUSING ASSEMBLY—BLOWER	REDUCTION GEAR	MOUNTING POSITION
VS-2100-3148										P90996	21015-A		
VS-2100-3149				10128-1						P90996	21015-A		
VS-2100-3150										P90996	21015-A		
VS-2100-3151	Note 4												
VS-2100-3152	Notes 1 & 7									P90996	21015-A		
VS-2100-3153	Note 7			10125-1					6342	P90996	21015-A		
VS-2100-3154	Notes 2 & 4	10053-B		10108-1						P90996	21015-A		
VS-2100-3155	Note 7									P90996	21015-A		
VS-2100-3156										P90996	21015-A		
VS-2100-3159							72"		4500				
VS-2100-3160				10101-1									
VS-2100-3161	Note 7			10101-1						P90996	21015-A		
VS-2100-3162									6342	P90996	21015-A		
VS-2100-3163				10101-1						P90996	21015-A		
VS-2100-3164	Note 7			10101-1					6342	P90996	21015-A		
VS-2100-3165	Note 7			10101-1						P90996	21015-A		
VS-2100-3166	NO VARIATION—USE BASIC PARTS LIST												
VS-2100-3167										P90996	21015-A		
VS-2100-3168				10101-1						P90996	21015-A		
VS-2100-3169	Note 7								4500	P90996	21015-A		
VS-2100-3170	Note 7			10101-1			72"		6342	P90996	21013-A		
VS-2100-3171	Notes 7 & 19									P90996	31413-A		
VS-2100-3172	Notes 4 & 7			10103-1						P90996	21013-A		
VS-2100-3173										P90996	21015-A		
VS-2100-3174	Notes 4 & 7						72"		6342	P90996	21013-A		
VS-2100-3175	Notes 5 & 7			10161						C13534	31413-A		
VS-2100-3176	NO VARIATION—USE BASIC PARTS LIST												
VS-2100-3177	Notes 4, 13, 14			10102-1									
VS-2100-3178	Note 7			10119-1						P90996	31413-A		
VS-2100-3179	Notes 4, 13, 14			10103-1						P90996	31413-A		
VS-2100-3180	Notes 7 & 12			10115-1						P90996	31413-A		
VS-2100-3181										P90996	31413-A		
VS-2100-3182	Notes 5 & 7			10102-1						C13534	31413-A		
VS-2100-3183	Note 7			10102-1						P90996	31413-A		
VS-2100-3184	Note 7			10101-1						P90996	31413-A		
VS-2100-3185				91634						P90996	31413-A		
VS-2100-3186	Note 7			91634						P90996	31413-A		
VS-2100-3187				10103-1						P90996	31413-A		
VS-2100-3188	Note 7			10103-1						P90996	31413-A		
VS-2100-3189	Notes 5 & 7			10101-1						C13534	31413-A		
VS-2100-3190	Notes 5 & 7			10103-1						C13534	31413-A		
VS-2100-3191	Note 7									P90996	31413-A		
VS-2100-3192				91634						P90996	31413-A		
VS-2100-3193	Notes 5 & 7									C13534	31413-A		
VS-2100-3194	Note 4									P90996	31413-A		
VS-2100-3195	Notes 5, 7, 18			10102-1						C13534	31413-A		
VS-2100-3196				91549					4500	P90996	31413-A		
VS-2100-3197	Notes 7 & 15									P90996	31413-A		
VS-2100-3198	Notes 5 & 7									C13534	31413-A		
VS-2100-3199	Note 15						72"			P90996	31413-A		
VS-2100-3200	Notes 4 & 16			10102-1									
VS-2100-3201	Note 17									P90996	31413-A		
VS-2100-3202	Note 7									P90996	31413-A		
VS-2100-3203	Notes 5 & 7									C13534	31413-A		
VS-2100-3205	Notes 7 & 17									P90996	31413-A		
VS-2100-3207	Note 7									P90996	31413-A		

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VS-2100-3000					
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**MODEL
VARIATIONS**
**SEC. II, DIV. VS-2100-3000
PARTS CATALOG**
 Revised April, 1961
 Supersedes June, 1960

MODEL VARIATIONS OF VS-2100-3000 SERIES (Cont.)

ENGINE MODEL	FOOTNOTES	BASE—ENGINE	BLOCK ASSEMBLY—CYLINDER	CRANKSHAFT	BEARING—MAIN	CONTROL GROUP	CONTROL CABLE LENGTH	PLATE ASSEMBLY—BEARING	MUFFLER OR MANIFOLD	STARTER—RECOIL	HOUSING ASSEMBLY—BLOWER	REDUCTION GEAR	MOUNTING POSITION
VS-2100-3208	Notes 5 & 7									C13534	31413-A		
VS-2100-3209	Notes 7 & 17									P90996	31413-A		
VS-2100-3210				10101-1						P90996	12334-A		
VS-2100-3211	Note 7			10101-1									
VS-2100-3212	Notes 7 & 15						72"			P90996	31413-A		
VS-2100-3213				10101-1						P90996	31413-A		
VS-2100-3214	Note 7			10128-1						P90996	31413-A		
VS-2100-3215	Notes 5, 7, 19			10102-1						C13534	91112-A		
VS-2100-3216	Notes 7 & 20			10103-1						P13516	31413-A		
VS-2100-3217	Notes 7 & 21						48"		91016	P90996	31413-A		
VS-2100-3218	Notes 15 & 20								91016	P13516	31413-A		
VS-2100-3219	Notes 15 & 20								91016	P13516	31413-A		
VS-2100-3220	Notes 15 & 20								6342	P13516	31413-A		
VS-2100-3222	Notes 7 & 20			91634						P13516	31413-A		
VS-2100-3223	Notes 7 & 20			91634									

NOTE 1—This Unit Requires Special Length Starter Rope in Recoil Starter (105.5").

NOTE 2—Use 5649 Plug (Pipe) and 5655 Plug.

NOTE 3—Use 10349 Elbow and 4425 Nut.

NOTE 4—Use 5752-A Flywheel.

NOTE 5—Use C13534 Impulse Starter, C91119 Cup (Impulse Starter), 90872 Screen, 4107-A Nut (4). If original position of Impulse Starter is required use 91112-A Housing Assembly. However, if original position is not required use 31413-A as listed. These parts are included in Kit No. MC91538.

NOTE 6—Use 7274 Elbow, 90° (Additional Part).

NOTE 7—Use 12409-A Wire Assembly (Shorting), 31486 Grommet, 10364 Clip, 14290 Nut (Insulation), 5522 Nut, 5647 Screw, 3462 Decal.

NOTE 8—Use 5051 Fuel Shut-Off and 31504 Shroud.

NOTE 9—This Unit Requires Special Length Starter Rope in Recoil Starter.

NOTE 10—Use 10320 Knob, 5444-A Screw & L'Washer, 5481 Washer (Lock).

NOTE 11—This Unit Requires Special Length Starter Rope in Recoil Starter (94").

NOTE 12—Use 10306 Adapter, 3229-G Screw & L'Washer Ass'y (3), 5648-G Screw & L'Washer Ass'y, 5649 Plug (Pipe), 5655 Plug (Pipe), 3249 Nut (3).

NOTE 13—Use 90795 Element (Precleaner).

NOTE 14—Use 6394 Air Cleaner Ass'y Inc. 31446 Cover, 31442 Element, 31444-A Plate (Air Cleaner Mtg.), 5673-A Screw & L'Washer Ass'y (2), 3216-A Screw (Air Cleaner Cover).

NOTE 15—Use 91332 Oil Gauge.

NOTE 16—Use 91004 Cover (Air Cleaner), 91003 Base (Air Cleaner), 91100 Element.

NOTE 17—Use 3494 Decal (Warning).

NOTE 18—Use 3991-1 Air Horn, 6215 Air Cleaner Ass'y, 7249 Screw, 7044 Nut (Wing), 5677 Screw (2), 5906 Washer (Rubber), 3278 Flat Washer, 3285 Lockwasher.

NOTE 19—Use 31448-A Shroud Assembly.

NOTE 20—Use P90871 Cup (Starting), 4107-A Nut & L'Washer Ass'y, 90872 Screen. These parts and the P13516 Recoil are available in Kit No. P91866.

NOTE 21—Use 4558 Protector (Oil Seal).