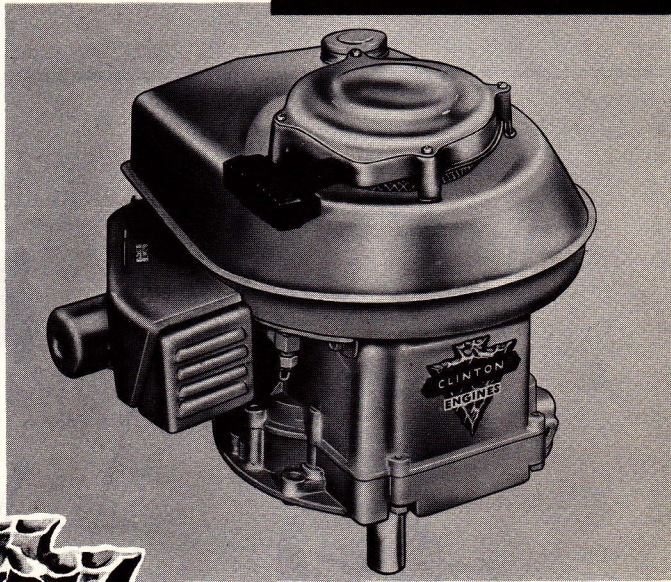
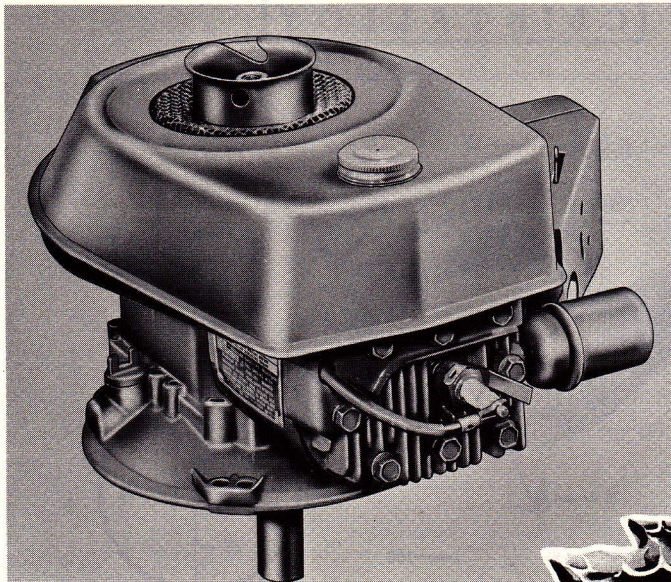


S E R I E S
V-100-1000
 CLINTALLOY



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



	H.P.	R.P.M.
V-100-1000	1.65	2200
	2.20	2800
	2.75	3600

GENERAL SPECIFICATIONS

Model	Type	Description	Starter	Weight
V-100-1000	Air-Cooled	Vertical Shaft	Rope	30 $\frac{1}{4}$ lbs.
V-100-1000	Air-Cooled	Vertical Shaft	Recoil	31 $\frac{3}{4}$ lbs.

BORE: 2 $\frac{3}{8}$ "

STROKE: 1 $\frac{5}{8}$ "

TYPE: Single cylinder, L-Head, air-cooled, vertical shaft.

AIR COOLING: 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 mm.

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.

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.

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

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

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

AIR CLEANER: Heavy duty, automotive, dry type.

FUEL TANK: 1 $\frac{1}{2}$ quarts capacity, with gasoline strainer and shut-off.

OIL RESERVOIR: 1 $\frac{1}{4}$ 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: Alloy iron cylinder block, replaceable bearings, positive high speed limit, throttle lever for throttle and choke control, heavy duty automotive dry-type horizontal air cleaner, high voltage dust and moisture-proof flywheel magneto, float feed carburetor, low back-pressure muffler, blower housing screen, crankshaft extension #1 unless otherwise specified, fuel shut-off valve, rope starter, splash-proof gas tank cap, safety stop device.

SPECIAL EQUIPMENT

Special equipment includes: Remote throttle cable and controls, recoil starter, shorting terminal for remote stop hookup, deluxe mufflers, special paint finishes, special Touch 'N' Go controls, resistor spark plug, special crankshaft extension, 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

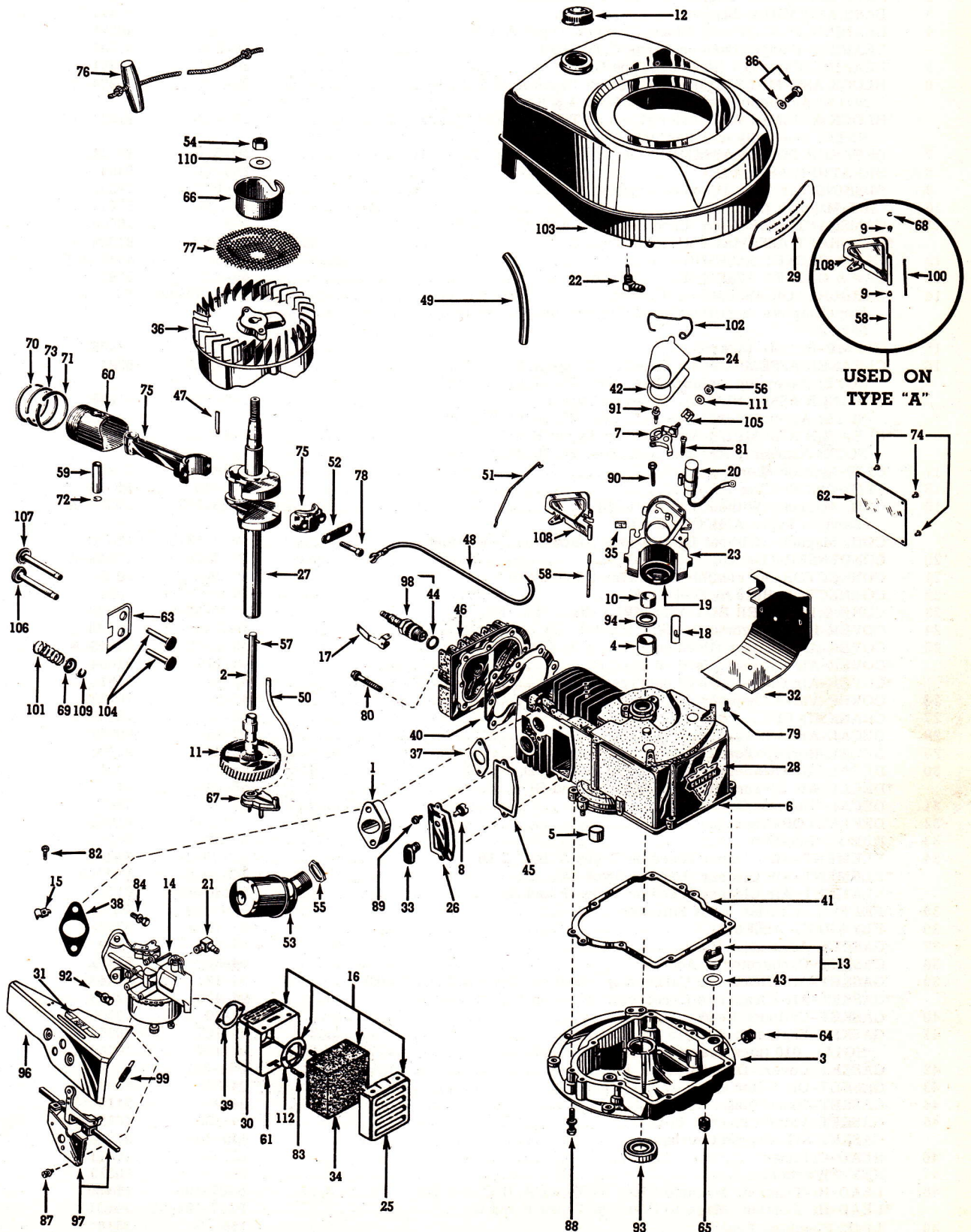
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CLINTON

S E R I E S V-100-1000 CLINTALLOY

BASIC TYPE

SEC. II, DIV. V-100-1000
PARTS CATALOG
Revised May, 1961
Supersedes Dec., 1959



CLINTON ENGINES CORPORATION

MAQUOKETA, IOWA

PRINTED IN U.S.A.

There are seven Basic Types of the V100-1000 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	IBM No.	Part No.	Quan.
1	ADAPTOR-Carburetor	1-65	12367	1
2	AXLE ASSEMBLY-Engine (Used on Types A, B, C, D, E & F)	6-3-5	10310-A	1
3	BASE ASSEMBLY-Engine	18-46	31492	1
4	BEARING-Main (Sleeve) Block-(Used on Types A & B)	20-58	90278	1
	BEARING-Flange (Used on Types C, D, E&F)	20-206	91098	1
5	BEARING-Camshaft (Used on Type G)	20-10	90281	1
6	BLOCK ASSEMBLY-Cylinder (Used on Types A, B, C, D&E)	22-195-5	90274-A	1
	NOTE: Assembly includes Ref. Nos. 4 & 94.			
	*BLOCK ASSEMBLY-Cylinder (Used on Types F & G)	22-519-5	91231-A	1
	NOTE: Assembly includes Ref. Nos. 4, 5 & 94.			
7	BREAKER POINTS ASSEMBLY-Includes Ref. Nos. 35, 56, 91, & 111.	P135-6-5	P5735	1
8	BREATHING ASSEMBLY	260-13	6354	1
9	BUSHING-Air Vane (Used on Type A)	28-1	7239	2
10	CAM-Magneto Breaker	157-29	5751	1
11	CAMSHAFT ASSEMBLY-Used on Types A, B, C, D, E&F	6-9-5	10008-A	1
	*CAMSHAFT ASSEMBLY-Used on Type G	6-339-5	91609-A	1
12	CAP & GASKET ASSEMBLY-Fuel	45-89-5	4517-A	1
13	CAP & GASKET ASSEMBLY-Oil Filler	45-179	5095-1	1
14	CARBURETOR ASSEMBLY-Clinton	P39-190-99	P14055	1
	For Complete Identification of Carburetors, Refer to Sec. III, Div. A, Page 2.			
15	CLAMP-Remote Control	81-13	31463	1
16	CLEANER ASSEMBLY-Air (Used on Types A, B, C, & D)	149-102	6394	1
	NOTE: Assembly includes Ref. Nos. 25, 34, 61, 83, & 85.			
	*CLEANER ASSEMBLY-Air (Used on Type E)	149-398	91665	1
	NOTE: Assembly includes Ref. Nos. 25, 34, 61, 83 & 85.			
	*CLEANER ASSEMBLY-Air (Used on Types F & G)	149-479	91203	1
	NOTE: Assembly includes Ref. Nos. 25, 30, 34, 61, and 112.			
17	CLIP-Ignition Shorting	266-28	3499	1
18	CLIP-Coil Holding	P81-20	P5734	1
19	COIL-Magneto (Without Laminations)	P135-215	P5733-A	1
	(Used on Types A, B, C, D & E)			
	COIL-Magneto (Without Laminations (Used on Types F and G).	P135-13-5	P5770	1
20	CONDENSER-Magneto	P135-29-5	P5589-A	1
21	CONNECTOR-90° Flexible Fuel Line (Carburetor)	69-24	5052	1
22	CONNECTOR-Hose to Fuel Tank	69-6	5055	1
23	CORE & BREAKER BOX ASSEMBLY-Incl. Ref. No. 18	P135-37-5	P5732	1
24	COVER-Dust (Magneto Breaker Points)	P45-15	P5743	1
25	COVER-Air Cleaner (Used on Types A, B, C & D)	45-10-5	31446-A	1
	*COVER-Air Cleaner (Used on Type E)	45-175	91004	1
	*COVER-Air Cleaner (Used on Types F & G)	45-337	91815	1
26	COVER-Valve Chamber	45-81	10323	1
27	CRANKSHAFT	46-355	10100-1	1
28	DECAL-Arrowhead	58-25	90559	1
29	DECAL-Horsepower	58-29	90495	1
30	DECAL-Air Cleaner (Used on Types A, B, C, D, and E)	58-20	3461	1
	*DECAL-Air Cleaner (Used on Types F and G)	58-349	91767	1
31	DECAL-Throttle Control	58-98	3488	1
32	DEFLECTOR-Air	259-358	91043	1
33	ELBOW-Breather	69-23	90610	1
34	ELEMENT-Air Cleaner (Used on Types A, B, C & D)	P2-28-99	P31442	1
	*ELEMENT-Air Cleaner (Used on Type E)	P2-99-99	P91100	1
	*ELEMENT-Air Cleaner (Used on Types F and G)	2-140-99	91791	1
35	FELT-Lubrication (Cam Follower)	P94-189	P5742	1
36	FLYWHEEL ASSEMBLY	83-10-5	5752-A	1
37	GASKET-Adaptor to Block	94-68	7149	1
38	GASKET-Carburetor to Adaptor	94-32	31461	1
39	GASKET-Air Cleaner to Carburetor (Used on Types A, B, C, D, & E)	94-13	31445	1
	*GASKET-Air Cleaner to Carburetor (Used on Type F and G)	94-458	92098	1
40	GASKET-Cylinder Head	94-40	10253	1
41	GASKET-Engine Base (.015 Thick)	94-107	10254	1
	NOTE: .010 thick gasket available	93-107	10254-1	1
42	GASKET-Cover, Dust (Breaker Points)	P94-241	P5744	1
43	GASKET-Oil Filler Cap	94-82	5097	1
44	GASKET-Spark Plug	94-90	3115	1
45	GASKET-Valve Chamber Cover	94-103	10251	1
	GASKET KIT-Engine Overhaul	149-361	91562	1
46	HEAD-Cylinder	122-7	10011	1
47	KEY-Flywheel	148-4	10339	1
48	LEAD-Hi-Tension, Magneto (Used on Types A, B, C, D & E)	P307-190	P5555	1
	*LEAD-Hi-Tension, Magneto (Used on Types F and G)	P307-194-99	P90761	1
49	LINE-Flexible, Fuel	158-25	6316	1
50	LINE-Oil Distributor (Oil Pump)	158-53	10390	1

51	LINK-Carburetor to Air Vane.....	159-18	31491	1
52	LOCK-Connecting Rod Screw	149-13	31018	1
	MAGNETO ASSEMBLY-Used on Types A, B, C, D & E	P268-4-5	P5731	1
	NOTE: Assembly incl. Ref. Nos. 7, 18, 19, 20, 23, 24, 35, 42, 56, 81, 90, 91, 102, 105 and 111.			
	*MAGNETO ASSEMBLY-Used on Types F and G	P268-17-5	P91740	1
	NOTE: Assembly includes Ref. Nos. 7, 18, 19, 20, 23, 24, 35, 42, 56, 81, 90, 91, 102, 105 and 111.			
53	MUFFLER.....	170-36-5	3639	1
54	NUT-Hex, 1/2-20 (Starter Pulley).....	183-69-99	5942	1
55	NUT-Lock, Muffler	183-37	4425	1
56	NUT-Terminal Condenser Lead	P183-21	P5740	1
57	PIN-Camshaft Axle.....	203-20	10392	1
58	PIN-Pivot, Air Vane Governor (Used on Type A)	203-32	7238	1
	PIN-Pivot, Air Vane Governor (Used on Types B & C)	203-33	10015	1
	PIN-Pivot, Air Vane Governor (Used on Types D, E, F & G)	203-91	90982	1
59	PIN-Wrist	203-63	6024	1
60	PISTON ASSEMBLY-Standard	204-13-5	31001-A	1
	NOTE: Assembly incl. Ref. Nos. 59, 70, 71, 72 and 73. .005	205-13-5	31001-A (.005)	
	NOTE: Assemblies are available in the following oversizes: .010	206-13-5	31001-A (.010)	
	.005, .010, .020, .030 and .040. Order by Part Number and .020	207-13-5	31001-A (.020)	
	specify oversize. .030	208-13-5	31001-A (.030)	
	IBM Part No. Oversize Listed .040	209-13-5	31001-A (.040)	
61	PLATE-Air Cleaner Mounting (Used on Types A, B, C & D)	2-17-5	31444-A	1
	*PLATE-Air Cleaner Mounting (Used on Type E)	2-100	91102	1
	*PLATE-Air Cleaner Mounting (Used on Type F and G)	2-139	91803	1
62	PLATE-Name (Air Deflector).....	58-105	6530	1
63	PLATE-Valve Spring Retainer	215-136	10013	1
64	PLUG-3/8 N. P. T., Oil Drain.....	216-24	5649	1
65	PLUG-Oil Drain	216-25	5655	1
66	PULLEY-Starter	219-17	12397	1
67	PUMP ASSEMBLY-Oil	220-5-5	10385-A	1
68	RETAINER-Air Vane (Used on Type A)	232-5	4430	1
69	RETAINER-Valve Spring	304-135	3028	2
70	RING-Compression, Standard-Order Ring Set	233-4-99	6026	1
71	RING-Oil, Standard-Order Ring Set	233-14-99	6006	1
72	RING-Retainer, Wrist Pin.....	232-41	6034	2
73	RING-Scraper, Standard-Order Ring Set	233-19-99	6027	1
	RING SET-Standard	149-10	10023	1
	NOTE: Ring Sets are also available in the following oversizes: .005	149-157	10023 (.005)	
	.005, .010, .020, .030, and .040. Order by Part Number and .010	149-158	10023 (.010)	
	specify oversize. .020	149-159	10023 (.020)	
	IBM Part No. Oversize Listed .030	149-160	10023 (.030)	
	.040	149-161	10023 (.040)	
74	RIVET-Tubular (Name Plate)	258-75	5640	4
75	ROD ASSEMBLY-Connecting.....	149-121	10002-A	1
	NOTE Assembly includes Ref. Nos. 52 and 78.			
76	ROPE ASSEMBLY-Starter	246-13-5	4266	1
77	SCREEN-Rotating.....	257-25	90092	1
78	SCREW-H. H. C., 1/4-28x1 (Connecting Rod Cap)	258-9	3235	2
79	SCREW-H. H. Slotted S. T., #8-32x3/8 (Deflector to Block).....	258-81	5644	2
80	SCREW-H. W. H., 5/16-1 7/8 (Cylinder Head)	258-88	5654	8
81	SCREW-R. H. S. T., #8-32x4/5 (Condenser to Plate)	P258-299	P5741	1
82	SCREW-H. H. S. T., #8-32x1/4 (Shroud to Brkt)(Clamp to Shruod)	258-477	5892	3
83	SCREW-H. H. C., #8-32x7/16 (Air Cleaner to Carburetor)	258-131	5812	2
84	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 1/2	258-238-5	5410-G	1
85	SCREW & L'WASHER ASS'Y-P. H. S., #10-32x3/8.....	258-6-5	3216-A	1
	(Air Cleaner Cover to Bracket)(Used on Types A, B, C & D)			
86	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1/2(Blower Housing to Block).	258-280-5	3205-G	2
87	SCREW & L'WASHER ASS'Y-H. H. C., #8-32x3/8(Bracket to Carb.)	258-81-5	5644-A	2
88	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 1/4 (Base to Block).....	258-254-5	5613-G	7
89	SCREW & L'WASHER ASS'Y-H. H. C., #10-24x1/2(Valve Chamber Cover)..	258-82-5	5645-A	2
90	SCREW & L'WASHER ASS'Y-P. H. S. T. #10-24x1(Lamination to Block)	258-108-5	5682-A	2
91	SCREW & L'WASHER ASS'Y-O. H. Slotted #8-32x9/16	P258-297-5	P5737	1
92	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 3/4(Carb. to Block, Lower).	258-275-5	5878-G	1
93	SEAL-Oil (Engine Base).....	94-172	4429	1
94	SEAL-Oil (Block)	94-178	10012	1
96	SHROUD ASSEMBLY-Carburetor.....	259-247	31438	1
97	SLIDE ASSEMBLY-Governor Regulating (Used on Types A, B&C).....	149-203	6398	1
	SLIDE ASSEMBLY-Governor Regulating (Used on Types D, E, F&G)	26-236-5	91330	1
98	SPARK PLUG & GASKET ASSEMBLY	K267-28-5	K16303-A	1
99	SPRING-Extension (Speed Regulating)	263-62	90635	1
100	SPRING-Compression (Air Vane)(Used on Type A)	263-28	10005	1
101	SPRING-Valve	263-92	3068	2
102	SPRING-Breaker Box Cover.....	P263-10	P5745	1
103	TANK ASSEMBLY-Fuel	277-214-5	10370-D	1
	NOTE: Assembly includes Ref. No. 12.			
104	TAPPET-Valve	278-5	10009	2
105	TERMINAL-Jamtitite Breaker Points	P304-290	P5739	1
106	VALVE-Exhaust	291-8	10301	1
	VALVE-Exhaust (.010 Oversize).....	292-6	10321	1
107	VALVE-Intake	291-7	10302	1



**BASIC
 TYPE**

CLINTON

	VALVE-Intake (.010 Oversize)	292-7	10322	1
108	VANE-Air Governor (Used on Type A)	107-12	10393	1
	VANE-Air Governor (Used on Types B and C)	107-11	10014	1
	VANE-Air Governor (Used on Types D, E, F & G)	107-30	91033	1
109	WASHER-"C" (Valve Keeper)	304-9	3291	2
110	WASHER-Lock (Start er Pulley)	304-132	5941	1
111	WASHER-Terminal Condenser Lead	P304-290	P5739	1
112	*WASHER-Air Cleaner (Used on Type F and G)	304-562	92024	1

* Indicates New Parts Listed For The First Time.

SERVICE NOTES

Note 1. Service Tools available, refer to Service Bulletin #54 for complete description and Parts Price List For Price.

- TL-910 Bearing Driver for P. T. O. Side for #10016 Bearing.
- TL-934 Bearing Driver for Magneto Side for #90278 Bearing.
- TL-962 Oil Seal Driver for Magneto Side
- TL-953 Oil Seal Driver for P. T. O. Side
- TL-981 Oil Seal Loader Magneto Side
- TL-954 Reamer Guides
- TL-983 Rough Reamer for Block Sleeve Bearing to install 90278 Bearing.
- TL-982 Finishing Reamer for Block Sleeve Bearing to install 90278 Bearing.
- TL-960 Line Reamer for Replaceable Block Bearing #90278
- TL-940 Reamer for Base Bearing, 7/8" for 10016 Bearing.
- TL-964 Line Reamer Base Bearing 7/8" for 10016 Bearing.
- TL-932 Valve Seat Cutter
- TL-957A Valve Pilot Assembly
- TL-936 Cutter for .040 oversize Valve Insert for 15119 Insert.
- TL-951 Driver Valve Insert
- TL-952 Rolling Tool Valve Insert
- TL-977 Reamer Valve Guide Std.
- TL-939 Reamer Valve Guide .010 For Valves with .010 Oversize stem.
- TL-974 Valve Spring Compression
- TL-978 Valve Lapping Tool
- TL-968 Impact Nut 1/2" Crankshaft Thread.
- TL-969 Puller Flywheel
- TL-938 Holder Flywheel
- TL-916 Impact Nut 7/16" Crankshaft Thread.
- TL-929 Piston Ring Compressor
- TL-941 Crank for turning crankshaft with flywheel removed.
- TL-976 Tru-Arc Pliers for Recoil Service.
- TL-967 Engine Repair or Display Stand

CLINTON

S E R I E S
V-100-1000
CLINTALLOY

MODEL
VARIATIONS

SEC. II, DIV. V-100-1000
PARTS CATALOG
Revised June, 1960
Supersedes June, 1959

MODEL VARIATIONS OF V-100-1000 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)

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. Refer to Sec. III, Div. H for Parts List.

HOUSING ASSEMBLY — BLOWER (Part Numbers 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.

V-100-1000	NO VARIATION—USE BASIC PARTS LIST			
V-100-1100		10101-1		
V-100-1103			P90996	10313-B
V-100-1105	Note 1	10103-1	P90996	10313-B
V-100-1106		10102-1	P90996	10313-B
V-100-1107		10101-1	P90996	10313-B
V-100-1108	Note 1	10101-1	72"	P90996 10313-B
V-100-1109		10129-1	P90996	10313-B
V-100-1110		10129-1		
V-100-1111		10128-1		
V-100-1112		10128-1	P90996	10313-B
V-100-1113	Note 2		72"	6342 P90996 10313-B
V-100-1114			72"	P90996 10313-B
V-100-1115	Note 1			4500 P90996 10313-B
V-100-1116	Note 2			4500 P90996 10313-B
V-100-1117	Note 1	10101-1		4500 P90996 10313-B
V-100-1118	Note 7	10127-1	72"	C6362 10313-B
V-100-1119	Notes 1 & 3			P90996 10313-B
V-100-1120	Note 3		72"	P90996 10313-B
V-100-1122	Note 1			P90996 10313-B
V-100-1123	Notes 3, 4, 5			MC91538 31479-G
V-100-1124	Note 6	10101-1		P90996 10313-B
V-100-1125	Note 6	10101-1		

NOTE 1—Use 12409-A Wire Assembly, 31486 Grommet, 10364 Clip (Shorting), 14290 Nut (Insulating), 5522 Nut, 5647 Screw, 3462 Decal (Throttle Control).

NOTE 2—Use 90795 Element (Pre-Cleaner).

NOTE 3—Use 91332 Visual Oil Gauge.

NOTE 4—Use C13534 Impulse Starter, C91119 Cup (Impulse Starter), 90872 Screen, 4107-A Nut (4). If original position is not required, use 10313-B Housing Assembly.

NOTE 5—Use 10370-A Body (Muffler), 10075 Nut, 10022-A Cover, 5861 Stud, 7044 Nut (Wing).

NOTE 6—Use 7274 Elbow, 4425 Nut.

NOTE 7—Use 91117 Pulley, 4955 Screen.