



**CLINTON**

S	E	R	I	E	S
<b>AVS-3100-1000</b>					
G E M					

**BASIC  
TYPE**

SEC. II, DIV. AVS-3100-1000  
PARTS CATALOG  
Revised May, 1958  
Supersedes Oct., 1957

There are two Basic Types of the AVS-3100-1000 covered by this Basic Parts List. Parts not used on all types are noted. The AVS-3100-1000 Series are shown as follows: Serial Number Suffix "A"—referred to as Type A; Serial Number Suffix "B"—referred to as Type B.

Check for Model Variations following this Basic Parts List.

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

## BASIC PARTS LIST

Ref. No.	PART DESCRIPTION	Part No.	Quantity
1	<b>BASE ASSEMBLY</b> — Engine NOTE: Assembly includes Ref. Nos. 88, 90.	31000-A	1
2	<b>BEARING</b> — Main (Sleeve)	10380	1
3	<b>BLOCK ASSEMBLY</b> — Cylinder NOTE: Assembly includes Ref. Nos. 2, 89.	31203-A	1
4	<b>BRACKET</b> — Slide, Governor Regulating (used on Type B)	10399	1
5	<b>BREAKER POINTS ASSEMBLY</b> NOTE: Assembly includes Ref. Nos. 28, 76 and 83.	P5543	1
6	<b>BREATHER ASSEMBLY</b>	6354	1
7	<b>BUSHING</b> — Air Vane	7239	2
8	<b>CAM</b> — Magneto Breaker	5707	1
9	<b>CAMSHAFT ASSEMBLY</b>	31009-A	1
10	<b>CAP &amp; GASKET ASSEMBLY</b> — Fuel	5417-A	1
11	<b>CAP &amp; GASKET ASSEMBLY</b> — Oil Filler	5096-1	1
12	<b>CARBURETOR ASSEMBLY</b> (Clinton) For complete identification of carburetors, refer to Section III, Div. A, page 2.	14049	1
13	<b>CLEANER ASSEMBLY</b> — Air	21078-A	1
14	<b>CLIP</b> — Spring, Slide Regulating (used on Type A)	10088	1
	<b>CLIP</b> — Spring Anchor (used on Type B)	14358	1
15	<b>COIL ASSEMBLY</b> — Magneto (With Laminations)	P5593-B	1
16	<b>COIL</b> — Magneto (Without Laminations)	P5593-A	1
17	<b>CONDENSER</b> — Magneto	P5599-A	1
18	<b>CONNECTOR</b> — 90°, Flexible Fuel Line (Carburetor)	5052	1
19	<b>COVER</b> — Dust, Magneto Breaker Points	10382	1
20	<b>COVER</b> — Valve Chamber	10323	1
21	<b>CRANKSHAFT</b>	31100	1
22	<b>DECAL</b> — Arrowhead	3579	1
23	<b>DECAL</b> — Air Cleaner	3461	1
24	<b>DECAL</b> — Horsepower	3447	1
25	<b>DECAL</b> — Throttle Control	3487	1
26	<b>DEFLECTOR</b> — Air	10006	1
27	<b>DEVICE</b> — Ignition Shorting (Spark Plug)	3499	1
28	<b>FELT</b> — Lubrication Cam Follower	P5504	1
29	<b>FLYWHEEL ASSEMBLY</b>	5597-A	1
30	<b>GASKET</b> — Paper (Carburetor to Manifold)	7168	1
31	<b>GASKET</b> — Support Assembly to Carburetor	3990	1
32	<b>GASKET</b> — Cylinder Head	10253	1
33	<b>GASKET</b> — Engine Base (.015 thick) NOTE: .010 thick Gasket available	10254	1
		10254-1	1
34	<b>GASKET</b> — Asbestos (Manifold to Block)	7149	1
35	<b>GASKET</b> — Cover, Dust (Breaker Points)	10250	1
36	<b>GASKET</b> — Oil Filler Cap	5097	1
37	<b>GASKET</b> — Spark Plug	3115	1
38	<b>GASKET</b> — Valve Chamber Cover	10251	1
	<b>GASKET KIT</b> — Engine Overhaul	6329	1
39	<b>GROMMET</b> — Magneto (Breaker Lead Wire)	10367	1
40	<b>HEAD</b> — Cylinder	31011	1
41	<b>KEY</b> — Flywheel	10339	1
42	<b>LEAD</b> — Hi-Tension, Magneto	P2055	1
43	<b>LINE</b> — Flexible, Fuel	6316	1
44	<b>LINE</b> — Flexible, Breather Tube	10352	1

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**BASIC PARTS LIST (Continued)**

Ref. No.	PART DESCRIPTION	Part No.	Quantity
45	LINE — Oil Distributor (Oil Pump).....	10390	1
46	LINK — Carburetor to Air Vane.....	10020	1
47	LOCK — Double, Connecting Rod Screw.....	31018	1
48	MANIFOLD — Carburetor.....	10091	1
49	MUFFLER.....	3639	1
50	NUT — Hex., 7/16-20 (Starter Pulley).....	5476	1
51	NUT — Lock, Muffler.....	4425	1
52	NUT & LOCKWASHER ASSEMBLY — 1/4-28 Hex. (Carb. Mounting).....	3255-A	2
53	PIN — Pivot, Air Vane Governor.....	7238	1
54	PIN — Stop, Throttle Control (used on Type A).....	10089	1
	PIN — Stop, Throttle Control (used on Type B).....	9004	2
55	PIN — Wrist.....	6024	1
56	PISTON — Standard.....	31001	1
	PISTON ASSEMBLY — Standard.....	31001-A	1
	NOTE: Assembly includes Ref. Nos. 55, 56, 64, 65, 66 and 67.		
	NOTE: Piston Assemblies are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part Number and specify oversize.		
57	PLATE — Name (Air Deflector).....	6530	1
58	PLATE — Valve Spring Retainer.....	10013	1
59	PLUG — 3/8 N.P.T. (Oil Drain).....	5627	1
60	PULLEY — Starter.....	3299	1
61	PUMP ASSEMBLY — Oil.....	10385-A	1
62	RETAINER — Air Vane.....	4430	1
63	RETAINER — Valve Spring.....	3028	2
64	RING — Compression, Standard.....	6026	1
65	RING — Oil, Standard.....	6006	1
66	RING — Retainer, Wrist Pin.....	6034	2
67	RING — Scraper, Standard.....	6027	1
	RING SET — Standard.....	10023	1
	NOTE: Ring Sets are also available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part Number and specify oversize.		
68	RIVET — Slide Assembly (used on Type B).....	5825	1
69	RIVET — Tubular (4—Name Plate) (2—Flywheel Shield).....	5469	6
70	ROD ASSEMBLY — Connecting.....	31002-A	1
	NOTE: Assembly includes Ref. Nos. 47 and 73.		
71	ROPE ASSEMBLY — Starting.....	4266	1
72	SCREEN — Rotating.....	7178	1
73	SCREW — H.H.C., 1/4-28 x 1 1/8 (Connecting Rod Cap).....	3235	2
74	SCREW — P.H.S.T., 6-32 x 1/4 (Coil to Laminations).....	5641	1
75	SCREW — H.H.C., 1/4-28 x 3/8 (Carburetor to Manifold).....	7205	1
76	SCREW — R.H.M., 6-32 x 1/4 (Breaker Points Terminal).....	5664	1
77	SCREW — H.H.C., 8-32 x 5/16 (2—Deflector to Block, 2—Breaker Points Dust Cover).....	5644	4
78	SCREW — H.W.H., 5/16-18 x 1 1/8 (Cylinder Head).....	5654	8
79	SCREW — Support Assembly to Carburetor.....	5812	2
80	SCREW & L'WASHER ASS'Y — H.H.C., 1/4-20 x 1 1/4 (Base to Block).....	5613-G	7
81	SCREW & L'WASHER ASS'Y — H.H.C., 10-24 x 1/2 (Valve Chamber Cover).....	5645-A	2
82	SCREW & L'WASHER ASS'Y — H.H.C., 1/4-20 x 3/8 (Tank to Block).....	3632-G	2
83	SCREW & L'WASHER ASS'Y — R.H.M., 8-32 x 3/8 (Breaker Points to Block).....	5444-F	1
84	SCREW & L'WASHER ASS'Y — P.H.S.T., 10-24 x 1 (Laminations to Block).....	5682-A	2
85	SCREW & L'WASHER ASS'Y — H.H.C., 1/4-20 x 3/8 (Manifold to Block).....	3294-G	2
86	SCREW & L'WASHER ASS'Y — R.H.S.T., #10-24 x 3/8 (Air Cleaner).....	3216-A	1
87	SCREW & L'WASHER ASS'Y — H.H.C., 8-32 x 5/16 (Shroud to Carb. and Manifold).....	5644-A	3

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**PARTS CATALOG**  
 Revised May, 1958  
 Supersedes Oct., 1957
**BASIC PARTS LIST (Continued)**

Ref. No.	PART DESCRIPTION	Part No.	Quantity
88	SEAL — Oil (Engine Base) -----	4429	1
89	SEAL — Oil (Block) -----	10012	1
90	SEAL — Oil (Power Take-Off) -----	4555	1
91	SHROUD ASSEMBLY — Carburetor (used on Type A) -----	10086-A	1
	SHROUD ASSEMBLY — Carburetor (used on Type B) -----	10401	1
92	SLEEVE — Connector, Breather Line (used on Type A) -----	10353	1
93	SLIDE — Governor Regulating (used on Type A) -----	10087	1
	SLIDE — Governor Regulating (used on Type B) -----	10342-A	1
94	SPARK PLUG AND GASKET ASSEMBLY -----	K16303-A	1
95	SPRING — Air Governor (used on Type A) -----	10090	1
	SPRING — Air Governor (used on Type B) -----	10406	1
96	SPRING — Compression (Air Vane) -----	10005	1
97	SPRING — Compression (used on Type B) -----	10373	1
98	SPRING — Valve -----	3068	2
99	STUD — Carburetor to Manifold -----	6155	1
100	SUPPORT ASSEMBLY — Air Cleaner (used on Type A) -----	21077-A	1
	SUPPORT ASSEMBLY — Air Cleaner (used on Type B) -----	90297	1
101	TANK ASSEMBLY — Fuel -----	10370-D	1
	NOTE: Assembly includes Ref. No. 10.		
102	TAPPET — Valve -----	10009	2
103	VALVE — Fuel Shut-Off, Flexible Line -----	5051	1
104	VALVE — Exhaust -----	10301	1
	VALVE — Exhaust (.010 oversize) -----	10321	1
105	VALVE — Intake -----	10302	1
	VALVE — Intake (.010 oversize) -----	10322	1
106	VANE — Air Governor -----	10393	1
107	WASHER — "C" (Valve Keeper) -----	3291	2
108	WASHER — Flat, Steel (Muffler) -----	7444	1
109	WASHER — Spring Tension (Starter Pulley) -----	4119	1

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**MODEL VARIATIONS**

SEC. II, DIV. AVS-3100-1000  
**PARTS CATALOG**  
 Revised January, 1959  
 Supersedes April, 1958

## MODEL VARIATIONS OF AVS-3100-1000 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.	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.	CRANKSHAFT (Part Numbers Shown). Refer to Sec. IV, Div. B for details and further information.	STARTER—RECOIL. Refer to Sec. III, Div. H for Parts List.	HOUSING ASSEMBLY—BLOWER (Part Numbers Shown). Refer to Illustrated Basic Parts List for corresponding part.	BLOCK ASSEMBLY—CYLINDER (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.
AVS-3100-1100	Note 1	31053-A				Yes	10313-B		
AVS-3100-1101	Notes 1, 2, 3	31052			31113	Yes	10313-B		
AVS-3100-1102	Notes 3 & 4					Yes	10313-B		
AVS-3100-1103	Notes 3 & 4					Yes	10313-B		
AVS-3100-1104	Note 1	10052				Yes	10313-B		
AVS-3100-1105	Note 1	31052-A				Yes	10313-B	6342	

NOTE 1—Use #5649 and #5655 Plugs.

NOTE 2—Use #5711-A Flywheel.

NOTE 3—Use #3851 Clamp and #5806-A Screw and L'Washer.

NOTE 4—Use #14059 Carburetor, #10348-A Shroud Assembly, #10087-A Slide Assembly, #5723-B Wire Assembly, #10334 Insulator, #P-5566 Grommets and #5644 Screw.