

**CLINTON**

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

**BASIC  
TYPES**
**SEC. II, DIV. AVS-3100  
PARTS CATALOG**  
 Issued March, 1957

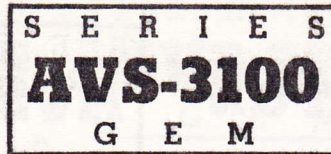
There is one Basic Type of the AVS-3100 Series engine covered by this Parts List.

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

### BASIC PARTS LIST

Ref. No.	PART DESCRIPTION	Part No.	Quantity
1	AXLE ASSEMBLY — Camshaft (includes pin).....	10310-A	1
2	BASE ASSEMBLY — Engine.....	31000	1
	NOTE: Assembly includes Ref. No. 89.		
3	BEARING — Main (Sleeve).....	10380	1
4	BLOCK ASSEMBLY — Cylinder.....	31203-A	1
	NOTE: Assembly includes Ref. Nos. 3, 90.		
5	BREAKER POINTS ASSEMBLY.....	P5543	1
	BREATHER ASSEMBLY.....	6330	1
	NOTE: Assembly includes Ref. Nos. 9, 24, 30, 92, 96.		
6	BUSHING — Air Vane.....	7239	2
7	CAM — Magneto Breaker.....	5707	1
8	CAMSHAFT ASSEMBLY.....	31009-A	1
9	CAP — Breather.....	7151	1
10	CAP & GASKET ASSEMBLY — Fuel.....	4517-A	1
11	CAP & GASKET ASSEMBLY — Oil Filler.....	5096-1	1
12	CARBURETOR ASSEMBLY — Clinton.....	14026	1
	For complete identification of carburetors, refer to Section III, Div. A, page 2.		
13	CLEANER ASSEMBLY — Air.....	4546-A	1
14	COIL ASSEMBLY — Magneto (With Laminations).....	P5593-B	1
15	COIL — Magneto (Without Laminations).....	P5593-A	1
16	CONDENSER — Magneto.....	P5599-A	1
17	CONNECTOR — 90°, Flexible Fuel Line (Carburetor).....	5052	1
18	COVER — Dust, Magneto Breaker Points.....	10382	1
19	COVER — Valve Chamber.....	10323	1
20	CRANKSHAFT.....	31100	1
21	DECAL — Arrowhead.....	3579	1
22	DEFLECTOR — Air.....	10006	1
23	DEVICE — Ignition Shorting (Spark Plug).....	10368	1
24	DISC — Breather.....	7152	1
25	FELT — Lubrication, Cam Follower.....	P5504	1
26	FLYWHEEL ASSEMBLY.....	5597-A	1
27	GASKET — Paper (Carburetor to Manifold).....	7168	1
28	GASKET — Air Horn to Air Cleaner.....	10259	1
29	GASKET — Air Horn to Carburetor.....	3990	1
30	GASKET — Breather.....	7153	1
31	GASKET — Cylinder Head.....	10253	1
32	GASKET — Engine Base.....	10254	1
33	GASKET — Asbestos (Manifold to Block).....	7149	1
34	GASKET — Cover, Dust (Breaker Points).....	10250	1
35	GASKET — Oil Filler Cap.....	3297	1
36	GASKET — Spark Plug.....	3115	1
37	GASKET — Valve Chamber Cover.....	10251	1
	GASKET KIT — Engine Overhaul.....	6329	1
38	GROMMET — Magneto (Breaker Lead Wire).....	10367	1
39	HEAD — Cylinder.....	31011	1
40	HORN — Air.....	10350	1
41	KEY — Flywheel.....	10339	1
42	LEAD — Hi-Tension, Magneto.....	P2055	1
43	LEVER — Speed Adjusting.....	4441	1
44	LINE — Flexible, Fuel.....	6316	1
45	LINE — Flexible, Breather Tube.....	10352	1
46	LINE — Oil Distributor (Oil Pump).....	10390	1
47	LINK — Carburetor to Air Vane.....	10020	1
48	LOCK — Double, Connecting Rod Screw.....	31018	1

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**BASIC PARTS LIST (Continued)**

Ref. No.	PART DESCRIPTION	Part No.	Quantity
49	MANIFOLD — Carburetor	6411	1
50	MUFFLER	3639	1
51	NUT — Hex., 7/16-20 (Starter Pulley)	3250	1
52	NUT — Lock, Muffler	4425	1
53	NUT — Wing (Air Cleaner)	7044	1
54	NUT & LOCKWASHER ASSEMBLY — 1/4-28 Hex. (Carb. Mtg.)	3255-A	2
55	NUT & LOCKWASHER ASSEMBLY — Recoil Starter to Fuel Tank	4107-A	4
56	PIN — Camshaft Axle	10392	1
57	PIN — Pivot, Air Vane Governor	7238	1
58	PIN — Wrist	6024	1
59	PISTON — Standard	31001	1
	PISTON ASSEMBLY — Standard	31001-A	1
	NOTE: Assembly includes Ref. Nos. 58, 59, 67, 68, 69, 70.		
	NOTE: Piston Assemblies are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part Number and specify oversize.		
60	PLATE — Name (Air Deflector)	6530	1
61	PLATE — Valve Spring Retainer	10013	1
62	PLUG — 3/8 N.P.T. (Oil Drain)	5627	1
63	PULLEY — Starter	4900-A	1
64	PUMP ASSEMBLY — Oil	10385-A	1
65	RETAINER — Air Vane	4430	1
66	RETAINER — Valve Spring	3028	2
67	RING — Compression, Standard	6026	1
68	RING — Oil, Standard	6006	1
69	RING — Retainer, Wrist Pin	6034	2
70	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.		
71	RIVET — Tubular (4—Name Plate) (2—Flywheel Shield)	5469	6
72	ROD ASSEMBLY — Connecting	31002-A	1
	NOTE: Assembly includes Ref. Nos. 48, 73.		
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 7/8 (Carburetor to Manifold)	5650	1
76	SCREW — R.H.M., 6-32 x 1/4 (Breaker Points Terminal)	5664	1
77	SCREW — Shoulder, 10-32 x 5/16 (Speed Adj. Lever)	4440	1
78	SCREW — H.H.C., 8-32 x 5/16 (2—Deflector to Block) (2—Breaker Points Dust Cover)	5644	4
79	SCREW — R.H.M., 10-24 x 6 1/4 (Air Cleaner)	5636	1
80	SCREW — H.W.H., 5/16-18 x 1 1/8 (Cylinder Head)	5654	8
81	SCREW — H.H.C., 10-32 x 1/2 (Recoil Starter Mounting)	4832	4
82	SCREW & L'WASHER ASS'Y — H.H.C., 1/4-20 x 1 1/4 (Base to Block)	5613-G	7
83	SCREW & L'WASHER ASS'Y — H.H.C., 10-24 x 1/2 (Valve Chamber Cover)	5645-A	2
84	SCREW & L'WASHER ASS'Y — H.H.C., 1/4-20 x 3/8 (Tank to Block)	3632-G	2
85	SCREW & L'WASHER ASS'Y — R.H.M., 8-32 x 3/8 (Breaker Points to Block)	5444-F	1
86	SCREW & L'WASHER ASS'Y — P.H.S.T., 10-24 x 1 (Laminations to Block)	5682-A	2
87	SCREW & L'WASHER ASS'Y — R.H.M., 8-32 x 3/4 (Air Horn to Carburetor)	5677	2
88	SCREW & L'WASHER ASS'Y — H.H.C., 1/4-20 x 7/8 (Manifold to Block)	3294-G	2
89	SEAL — Oil (Engine Base)	4429	1
90	SEAL — Oil (Block)	10012	1
91	SEAL — Oil (Power Take-Off)	4555	1
92	SEAT — Breather	4438	1

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**BASIC PARTS LIST (Continued)**

Ref. No.	PART DESCRIPTION	Part No.	Quantity
93	<b>SLEEVE</b> — Connector (Breather Line).....	10353	2
94	<b>SPARK PLUG AND GASKET ASSEMBLY</b> .....	16303-A	1
95	<b>SPRING</b> — Air Governor.....	10336	1
96	<b>SPRING</b> — Breather Hold-Down.....	10381	1
97	<b>SPRING</b> — Compression (Air Vane).....	10005	1
98	<b>SPRING</b> — Ignition Shorting Clip.....	10369	1
99	<b>SPRING</b> — Valve.....	3068	2
100	<b>STARTER ASSEMBLY</b> — Recoil.....	P6349	1
101	<b>STUD</b> — Carburetor to Manifold.....	6155	1
102	<b>TANK ASSEMBLY</b> — Fuel.....	10313-B	1
	NOTE: Assembly includes Ref. No. 10.		
103	<b>TAPPET</b> — Valve.....	10009	2
104	<b>VALVE</b> — Fuel Shut-Off, Flexible Line.....	5051	1
105	<b>VALVE</b> — Exhaust.....	10301	1
	<b>VALVE</b> — Exhaust (.010 oversize).....	10321	1
106	<b>VALVE</b> — Intake.....	10302	1
	<b>VALVE</b> — Intake (.010 oversize).....	10322	1
107	<b>VANE</b> — Air Governor.....	10393	1
108	<b>WASHER</b> — "C," Valve Keeper.....	3291	2
109	<b>WASHER</b> — Lock, 7/16 (Starter Pulley).....	5499	1
110	<b>WASHER</b> — Spring Tension (Throttle Lever).....	10305	1

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## MODEL VARIATIONS

SEC. II, DIV. AVS-3100  
PARTS CATALOG  
Revised January, 1959  
Supersedes May, 1957

### MODEL VARIATIONS OF AVS-3100 SERIES

The adaptation of Clinton Engines to a wide variety of uses results in what are 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 details and 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—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.
AVS-3100-103	Note 1	31053-A	SK553			Yes	10313-B	
AVS-3100-104			SK550					
AVS-3100-105	Note 2		SK550					
AVS-3100-106	Note 3		SK550					
AVS-3100-107	Note 4		SK553					

NOTE 1—Use #5649 and #5655 Plugs.

NOTE 2—Use #5306 6-Volt Starter. Refer to Section III, Div. N.

NOTE 3—Use #5301 110-Volt Starter. Refer to Section III, Div. N.

NOTE 4—Use #4512-A Cleaner Assembly—Air.