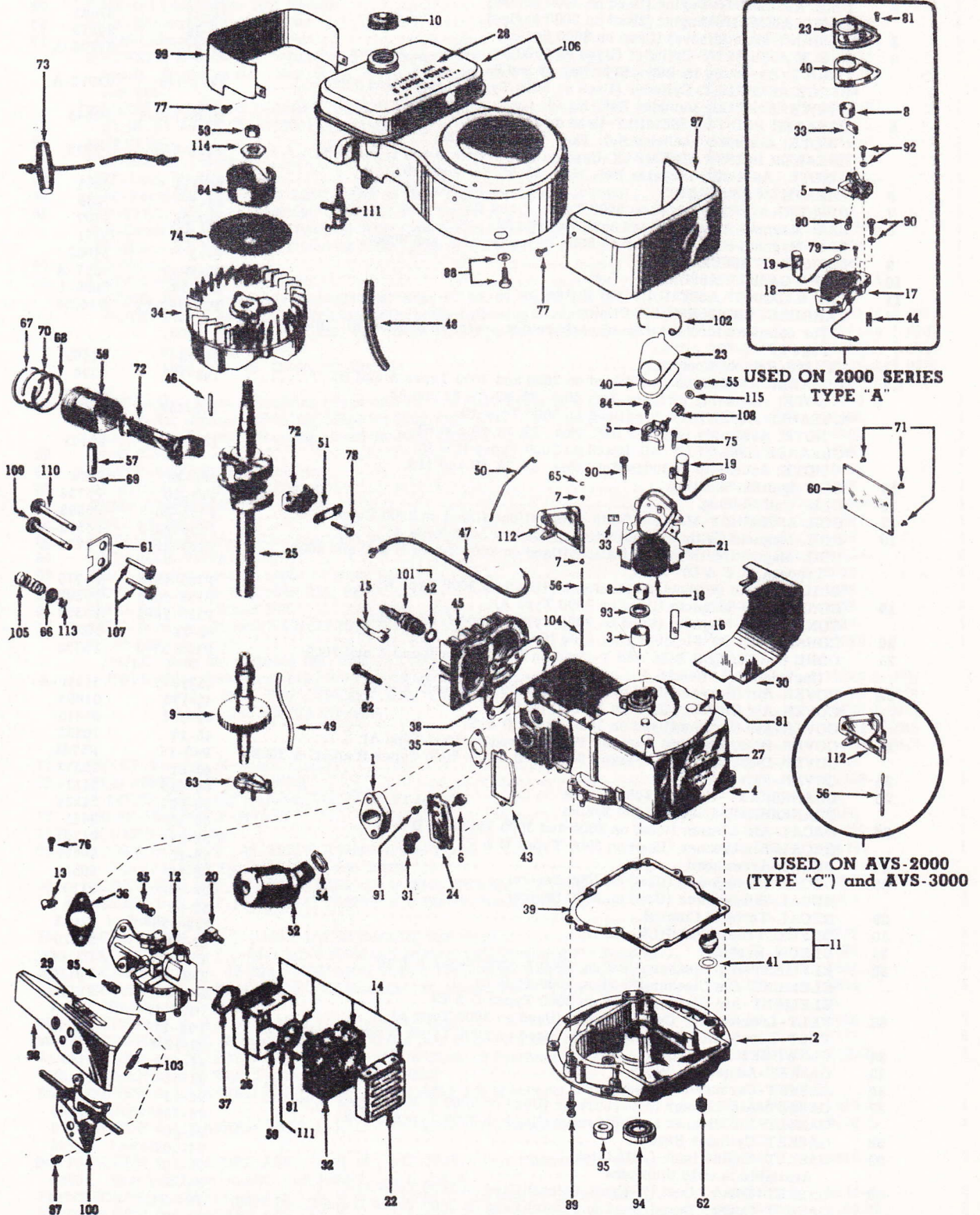


# CLINTON

S E R I E S  
**AVS-3100-2000**  
**AVS-3100-3000**  
G E M

BASIC  
TYPE

SEC. II, DIV. AVS-3100-2000  
AVS-3100-3000  
PARTS CATALOG  
Revised May, 1961  
Supersedes December, 1959



## CLINTON ENGINES CORPORATION

MAQUOKETA, IOWA

PRINTED IN U.S.A.

There are three Basic Types of the AVS3100-2000 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 2000 Type A; Serial Number Suffix "B"-referred to as 2000 Type B, etc. There are five Basic Type of the AVS3100-3000 Series Engine covered by this Basic Parts List.

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

Ref. No.	Part Description	IBM No.	Part No.	Quan.
1	ADAPTER-Carburetor	1-65	12367	1
2	BASE ASSEMBLY-Engine (Used on 2000 Series)	18-47	31494	1
	BASE ASSEMBLY-Engine (Used on 3000 Series)	18-47	31487	1
3	BEARING-Main (Sleeve) (Used on 2000 Series)	20-58	90278	1
4	BLOCK ASSEMBLY-Cylinder (Used on 2000 Type A)	22-41-5	31203-A	1
	NOTE: Assembly includes Ref. Nos. 3 and 93.			
*	BLOCK ASSEMBLY-Cylinder (Used on 2000 Types B and C and 3000)	22-717-5	92016-A	1
	NOTE: Assembly includes Ref. No. 3.			
5	BREAKER POINTS ASSEMBLY-Used on 2000 Type A	P135-130-5	P5543	1
	NOTE: Assembly includes Ref. Nos. 33, 89, and 92.			
	BREAKER POINTS ASSEMBLY-Used on 2000 Types B and C and 3000	P135-5-5	P5735	1
	NOTE: Assembly includes Ref. Nos. 33, 55, 84, and 115.			
6	BREATHER ASSEMBLY	260-13	6354	1
7	BUSHING-Air Vane (Used on 2000 Types A and B)	28-1	7239	2
8	CAM-Magneto Breaker (Used on 2000 Type A)	157-26	5707	1
	CAM-Magneto Breaker (Used on 2000 Types B and C and 3000)	157-29	5751	1
9	CAMSHAFT ASSEMBLY	6-23	31009	1
10	CAP & GASKET ASSEMBLY-Fuel	45-89-5	4517-A	1
11	CAP & GASKET ASSEMBLY-Oil Filler	45-179	5095-1	1
12	CARBURETOR ASSEMBLY-Clinton	P39-190-99	P14055	1
	For complete identification of carburetors, refer to Section III, Div. A, Page 2.			
13	CLAMP-Remote Control	81-13	31463	1
14	CLEANER ASSEMBLY-Air (Used on 2000 and 3000 Types A and B)	149-102	6394	1
	NOTE: Assembly includes Ref. Nos. 22, 32, 59, 83 and 86.			
*	CLEANER ASSEMBLY-Air (Used on 3000 Type C)	149-397	91865	1
	NOTE: Assembly includes Ref. Nos. 22, 32, 59 and 83.			
*	CLEANER ASSEMBLY-Air (Used on 3000 Types D & E)	149-497	92103	1
	NOTE: Assembly includes Ref. Nos. 22, 32, 59 and 116.			
15	CLIP-Ignition Shorting	266-28	3499	1
16	CLIP-Coil Holding	P81-20	P5734	1
17	COIL ASSEMBLY-Magneto (With Laminations)(Used on 2000 Type A)	P135-20-5	P5593-B	1
18	COIL-Magneto (Without Laminations)(Used on 2000 Type A)	P135-23-5	P5593-A	1
	COIL-Magneto Without Laminations(Used on 2000 Types B & C and 3000 Types A, B, C & D)	P135-215	P5733-A	1
*	COIL-Magneto (Without Laminations) (Used on 3000 Type E)	P135-13-5	P5770	1
19	CONDENSER-Magneto (Used on 2000 Type A)	P135-30-5	P5599-A	1
	CONDENSER-Magneto (Used on 2000 Types B and C and 3000)	P135-29-5	P5589-A	1
20	CONNECTOR-90° Flexible Fuel Line (Carburetor)	69-24	5052	1
21	CORE & BREAKER BOX ASS'Y-Used on 2000 Types B and C and 3000 (Includes Ref. No. 16.)	P135-37-5	P5732	1
22	COVER-Air Cleaner (Used on 2000 A and 3000 Types A and B)	45-10-5	31446-A	1
*	COVER-Air Cleaner (Used on 3000 Type C)	45-175	91004	1
*	COVER-Air Cleaner (Used on 3000 Types D & E)	45-337	91815	1
23	COVER-Dust, Magneto Breaker Points (Used on 2000 Type A)	45-17	10382	1
	COVER-Dust, Magneto Breaker Points, (Used on 2000 Types B and C & 3000)	P45-15	P5743	1
24	COVER-Valve Chamber	45-81	10323	1
25	CRANKSHAFT-Used on 2000 Series	46-410	31124	1
	CRANKSHAFT-Used on 3000 Series	46-484	31324	1
26	DECAL-Air Cleaner (Used on 2000 and 3000 Types A, B & C)	58-20	3461	1
*	DECAL-Air Cleaner (Used on 3000 Types D & E)	58-349	91767	1
27	DECAL-Arrowhead	58-25	90559	1
28	DECAL-Horsepower (Used on 2000 Series)	58-58	90511	1
	DECAL-Horsepower (Used on 3000 Series)	58-148	91101	1
29	DECAL-Throttle Control	58-98	3488	1
30	DEFLECTOR ASSEMBLY-Air	259-358	91043	1
31	ELBOW-Breather	69-23	90610	1
32	ELEMENT-Air Cleaner (Used on 2000 & 3000 Types A & B)	P2-17-5	P31442	1
*	ELEMENT-Air Cleaner (Used on 3000 Type C)	2-99-99	P91100	1
*	ELEMENT-Air Cleaner (Used on 3000 Types D & E)	2-140	91791	1
33	FELT-Lubrication, Cam Follower (Used on 2000 Type A)	P135-41	P5504	1
	FELT-Lubrication, Cam Follower (Used on 2000 Types B and C and 3000)	P94-189	P5742	1
34	FLYWHEEL ASSEMBLY	83-12-5	5753-A	1
35	GASKET-Adapter to Block	94-68	7149	1
36	GASKET-Carburetor to Adapter	94-32	31461	1
37	GASKET-Air Cleaner to Carburetor (Used on 2000 & 3000 Types A, B&C)	94-13	31445	1
*	GASKET-Air Cleaner to Carburetor (Used on 3000 Types D & E)	94-458	92098	1
38	GASKET-Cylinder Head	94-40	10253	1
39	GASKET-Engine Base (.015 thick)	94-107	10254	1
	Available in .010 thickness	93-107	10254-1	
40	GASKET-Cover, Dust (Breaker Points)(Used on 2000 Type A)	94-29	10250	1
	GASKET-Cover, Dust (Breaker Points)(Used on 2000 Types B and C and 3000)	P94-241	P5744	1
41	GASKET-Oil Filler Cap	94-82	5097	1
42	GASKET-Spark Plug	94-90	3115	1

43	GASKET-Valve Chamber Cover . . . . .	94-103	10251	1
	GASKET KIT-Engine Overhaul . . . . .	149-361	91562	1
44	GROMMET-Magneto (Breaker Lead Wire)(Used on 2000 Type A) . . . . .	70-13	10367	1
45	HEAD-Cylinder . . . . .	122-19	31477	
46	KEY-Flywheel . . . . .	148-4	10339	1
47	LEAD-Hi-Tension, Magneto (Used on 2000 Type A) . . . . .	P307-187	P2055	1
	LEAD-Hi-Tension, Magneto (Used on 2000 Types B and C and 3000 Types A, B, C & D) . . . . .	P307-190	P5555	1
	*LEAD-Hi-Tension, Magneto (Used on 3000 Type E) . . . . .	P307-194-99	P90761	1
48	LINE-Flexible, Fuel . . . . .	158-25	6316	1
49	LINE-Oil Distributor (Oil Pump) . . . . .	158-53	10390	1
50	LINK-Carburetor to Air Vane . . . . .	159-18	31491	1
51	LOCK-Connecting Rod Screw . . . . .	148-12	21318	1
	MAGNETO ASSEMBLY -Used on 2000 Types B and C and 3000 Types A, B, C and D. (Includes Ref. Nos. 5, 16, 18, 19, 21, 23, 33, 40, 55, 75, 84, 90, 102, 108 and 115.) . . . . .	P268-4-5	P5731	1
	*MAGNETO ASSEMBLY-Used on 3000 Type E (Includes Ref. Nos. 5, 16, 18, 19, 21, 23, 33, 40, 55, 75, 84, 90, 102, 108 and 115.) . . . . .	P268-17-5	P91740	1
52	MUFFLER . . . . .	170-36-5	3639	1
53	NUT-Starter Pulley . . . . .	183-22	5877	1
54	NUT-Lock (Muffler) . . . . .	183-37	4425	1
55	NUT-Terminal Condenser Lead (Used on 2000 Types B and C and 3000) . . . . .	P183-21	P5740	1
56	PIN-Pivot, Air Vane Governor (Used on 2000 Types A and B) . . . . .	203-32	7238	1
	PIN-Governor Vane Pivot (Used on 2000 Type C and 3000 Type A) . . . . .	203-33	10015	1
	PIN-Governor Vane Pivot (Used on 3000 Types B, C, D&E) . . . . .	203-91	90982	1
57	PIN-Wrist . . . . .	203-63	6024	1
58	PISTON ASSEMBLY-Standard . . . . .	204-13-5	31001-A	1
	NOTE: Piston Assembly includes Ref. Nos. 57, 58, 67, 68, 69 and 70.			
	NOTE: Piston Assemblies are available in the following oversizes: .005 .010 .020 .030 and .040. Order by Part Number and specify oversize.	.005 205-13-5	31001-A (.005)	
		.010 206-13-5	31001-A (.010)	
		.020 207-13-5	31001-A (.020)	
		.030 208-13-5	31001-A (.030)	
	IBM Part No. Oversize Listed.	.040 209-13-5	31001-A (.040)	
59	PLATE-Air Cleaner Mounting (Used on 2000 and 3000 Types A & B) . . . . .	2-17-5	31444-A	1
	*PLATE-Air Cleaner Mounting (Used on 3000 Type C) . . . . .	2-100	91102	1
	*PLATE-Air Cleaner Mounting (Used on 3000 Types D & E) . . . . .	2-139	91803	1
60	PLATE-Name . . . . .	58-105	6530	1
61	PLATE-Valve Spring Retainer . . . . .	215-316	10013	1
62	PLUG-3/8 N. P. T. (Oil Drain) . . . . .	216-22	5627	1
63	PUMP ASSEMBLY-Oil . . . . .	220-5-5	10385-A	1
64	PULLEY-Starter . . . . .	219-17	12397	1
65	RETAINER-Air Vane (Used on 2000 Types A and B) . . . . .	232-5	4430	1
66	RETAINER-Valve Spring . . . . .	304-135	3028	2
67	RING-Compression, Standard (Order Ring Set) . . . . .		6026	1
68	RING-Oil, Standard (Order Ring Set) . . . . .		6006	1
69	RING-Retainer, Wrist Pin . . . . .	232-41	6034	2
70	RING-Scraper, Standard (Order Ring Set) . . . . .		6027	1
	RING SET-Standard . . . . .	149-10	10023	1
	NOTE: Ring Set includes Ref. Nos. 67, 68 and 70.			
	NOTE: Ring Sets are available in the following oversizes: .005 .010 .020 .030 and .040. Order by Part Number and specify oversize.	.005 149-157	10023 (.005)	
		.010 149-158	10023 (.010)	
		.020 149-159	10023 (.020)	
		.030 149-160	10023 (.030)	
		.040 149-161	10023 (.040)	
71	RIVET-Tubular (4-Name Plate) . . . . .	244-21	5460	4
72	ROD ASSEMBLY-Connecting . . . . .	245-102-5	31002-A	1
	NOTE: Assembly includes Ref. Nos. 51 and 78.			
73	ROPE ASSEMBLY-Starter . . . . .	246-13-5	4266	1
74	SCREEN-Rotating . . . . .	257-25	90092	1
75	SCREW-R. H. S. T., #8-32x4/5 (Condenser to Plate) . . . . .	P258-299	P5741	1
	(Used on 2000 Types B and C and 3000)			
76	SCREW-H. H. S. T., #8-32x1/4 (Shroud to Brkt.)(Clamp to Shroud) . . . . .	258-477	5892	3
77	SCREW-H. H. S. T., #8-18x1/4 (3-Shroud to Blower Housing)(3-Shroud to Fuel Tank) . . . . .	258-160	5934	6
78	SCREW-H. H. C., 1/4-28x1 1/4 (Connecting Rod Cap) . . . . .	258-9	3235	2
79	SCREW-P. H. S. T., #4-40x1/4 (Coil to Laminations)(Used on 2000 Type A) . . . . .	258-77	5641	1
80	SCREW-R. H. M. #6-32x1/4 (Breaker Points Terminal)(Used on 2000 Type A) . . . . .	258-95	5664	1
81	SCREW-H. H. S. T., #8-32x3/4 (2-Dust Cover, Used on 2000 Type A)(2-Deflector to Block) . . . . .	258-81	5644	4
82	SCREW-H. W. H., 5/16-18x1 7/8 (Cylinder Head) . . . . .	258-88	5654	8
83	SCREW-H. H. C., 8-32x7/16, Lock Thread (Air Cleaner Plate to Carburetor) . . . . .	258-131	5812	2
84	SCREW & L'WASHER ASS'Y-O. H. Slotted 8-32x9/16 (Breaker Points to Breaker Box)(Used on 2000 Types B and C and 3000) . . . . .	P258-297-5	P5737	1
85	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 1/2 (Carburetor to Block, Upper) . . . . .	258-238-5	5410-G	1
	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 3/4 (Carburetor to Block, Lower) . . . . .	258-275-5	5878-G	1
86	SCREW & L'WASHER ASS'Y-R. H. M., #10-32x3/8 (Air Cleaner Cover to Bracket)(Used on 2000 and 3000 Types A and B) . . . . .	258-6-5	3216-A	1
87	SCREW & L'WASHER ASS'Y-H. H. C., 8-32x3/8 (Bracket to Carburetor) . . . . .	258-81-5	5644-A	2
88	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1/2 (Blower Housing to Block) . . . . .	258-280-5	3205-G	2
89	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 1/4(Base to Block) . . . . .	258-254-5	5613-G	7
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-H. H. C., #10-24x1/2 (Valve Chamber Cover) . . . . .	258-82-5	5645-A	2

SEC. II. DIV. AVS-3100-2000  
 AVS-3100-3000  
 PARTS CATALOG  
 Revised May, 1961  
 Supersedes December, 1959

S E R I E S  
**AVS-3100-2000**  
**AVS-3100-3000**  
 G E M

BASIC  
 TYPE

**CLINTON**

92	SCREW & L'WASHER ASS'Y-R. H. M., #8-32x3/8 (Points to Block) . . . . .	258-41	5444-F	1
	(Used on 2000 Type A)			
93	SEAL-Oil (Block) . . . . .	94-178	10012	1
94	SEAL-Oil (Engine Base)(Used on 2000 Series) . . . . .	94-172	4429	1
	SEAL-(Engine Base)(Used on 3000 Series) . . . . .	94-176	9029	1
95	SEAL-Oil, (Power Take-Off) . . . . .	94-170	4555	1
97	SHROUD-Blower Housing . . . . .	259-231	31418	1
98	SHROUD-Carburetor . . . . .	259-246	31435	1
99	SHROUD-Fuel Tank . . . . .	259-256	31419	1
100	SLIDE ASSEMBLY-Governor Regulating(Used on Series 2000 & 3000 Type A).	149-203	6398	1
	SLIDE ASSEMBLY-Governor Regulating(Used on 3000 Types B, C, D&E) . . . . .	26-236-5	91330	1
101	SPARK PLUG & GASKET ASSEMBLY. . . . .	K267-28-5	K16303-A	1
102	SPRING-Breaker Box Cover (Used on 2000 Types B and C and 3000) . . . . .	P263-10	P5745	1
103	SPRING-Extension, Speed Regulating . . . . .	263-69	90635	1
104	SPRING-Compression (Air Vane)(Used on 2000 Types A and B) . . . . .	263-28	10005	1
105	SPRING-Valve . . . . .	263-92	3068	2
106	TANK & BLOWER HOUSING ASSEMBLY-Fuel . . . . .	259-128-5	31411-A	1
	NOTE: Assembly includes Ref. No. 10			
107	TAPPET-Valve . . . . .	278-5	10009	2
108	TERMINAL-Jamtite Breaker Points (Used on 2000 Types B and C and 3000) . . . . .	P307-230	P5738	1
109	VALVE-Exhaust . . . . .	291-8	10301	1
	VALVE-Exhaust, Oversize .010 . . . . .	292-6	10321	1
110	VALVE-Intake . . . . .	291-7	10302	1
	VALVE-Intake, Oversize .010 . . . . .	292-7	10322	1
111	VALVE-Fuel Shut-Off (Used on 2000 Series) . . . . .	293-37	5051	1
	CONNECTOR-Fuel Tank to Fuel Line (Used on 3000 Series) . . . . .	69-6	5055	1
112	VANE-Air Governor (Used on 2000 Types A and B and 3000) . . . . .	107-12	10393	1
	VANE-Air Governor (Used on 2000 Type C and 3000 Type A) . . . . .	107-11	10014	1
	*VANE-Air Governor (Used on 3000 Types B, C, D&E) . . . . .	107-30	91033	1
113	WASHER-"C" (Valve Keeper) . . . . .	304-9	3291	2
114	WASHER-Starter Pulley . . . . .	304-132	5941	1
115	WASHER-Terminal, Condenser (Used on 2000 Types B and C and 3000) . . . . .	P304-290	P5739	1
116	*WASHER-Air Cleaner (Used on 3000 Types D & E) . . . . .	304-562	92024	1

\* Indicates New Part Nos. Listed For The First Time.

**CLINTON**

S E R I E S
<b>AVS-3100-2000</b>
<b>AVS-3100-3000</b>
G E M

**MODEL  
VARIATIONS**

SEC. II, DIV. AVS-3100-2000  
AVS-3100-3000  
**PARTS CATALOG**  
Revised April, 1961  
Supersedes June, 1959

**MODEL VARIATIONS OF AVS-3100-2000 AND AVS-3100-3000 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 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.

AVS-3100-2000	NO VARIATION—USE BASIC PARTS LIST						
AVS-3100-2101	Note 1			31100-1		P90996	31413-A
AVS-3100-2102	Notes 1 & 2	31487-A		31328	9016	P90996	31413-A
AVS-3100-2103						P90996	31413-A
AVS-3100-2104	Notes 1 & 2	31487-A		31324	9016	P90996	31413-A
AVS-3100-2105	Note 1					P90996	31413-A
AVS-3100-2106	Note 1					P90996	31413-A
AVS-3100-2107	Note 2					P90996	31413-A
AVS-3100-2108	Note 1			31100-1		P90996	31413-A
AVS-3100-2109	Notes 1 & 2	31487-A		31336	9016	P90996	31413-A
AVS-3100-2110	Notes 1 & 2	31487-A		31328	9016	P90996	31413-A
AVS-3100-2112	Notes 1 & 2	31487-A		31128	9016	P90996	31413-A
AVS-3100-2113	Notes 1, 3, 4					72"	6342 P90996 31413-A
AVS-3100-2114	Notes 1 & 2	31487-A		31324	9016	P90996	31413-A
AVS-3100-2115	Notes 1, 3, 4			31100-1		72"	6342 P90996 31413-A
AVS-3100-2116	Notes 1 & 2	31487-A		31324	9016	P90996	31413-A
AVS-3100-2117	Notes 1 & 2	31487-A		31328	9016	P90996	31413-A
AVS-3100-2118	Note 5			31100-1		P90996	10313-B
AVS-3100-3101		31487-A		31336		P90996	31413-A
AVS-3100-3102	Notes 1 & 2	31487-A		31336		P90996	31413-A
AVS-3100-3103	Notes 1 & 2	31487-A		31328		P90996	31413-A
AVS-3100-3104	Notes 1 & 2	31487-A		31324		P90996	31413-A
AVS-3100-3107		31487-A		31336		P90996	31413-A

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

NOTE 2—Use 9029 Seal (Oil).

NOTE 3—Use 5649 Plug (Pipe), 5655 Plug (Pipe).

NOTE 4—Use 10320 Knob, 5444-A Screw & L'Washer Ass'y, 5481 L'Washer.

NOTE 5—Use 3632-G Screw & L'Washer Ass'y, 31438 Shroud (Carburetor).