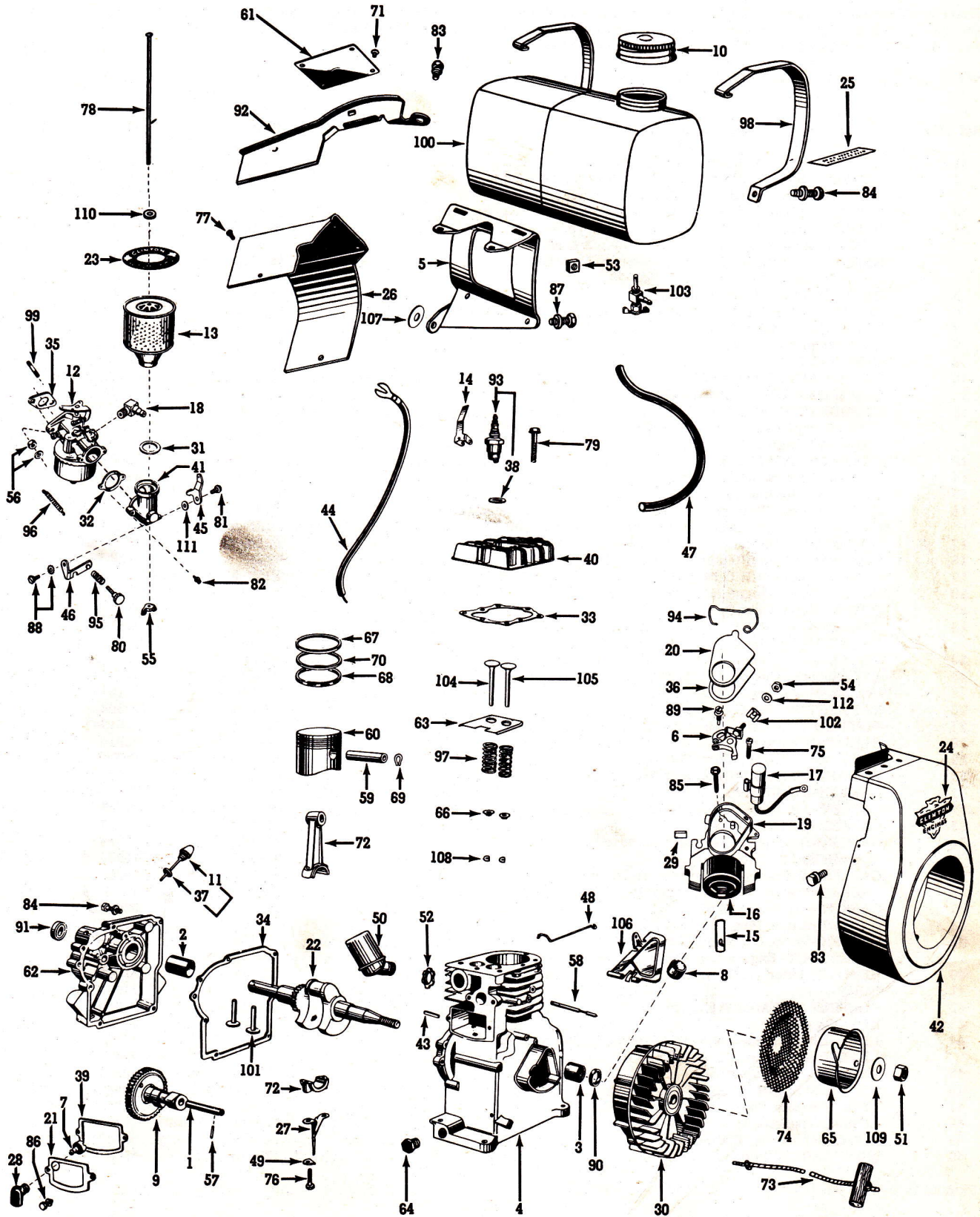


CLINTON

S E R I E S
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There are four Basic Types of the 3100-3000 and 3190-3000 Series Engines 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	AXLE ASSEMBLY-Camshaft (Includes Pin)	6-5-5	21310-A	1
2	BEARING-Sleeve (Plate Assembly) Used on 3100-3000	20-56	21016	1
	BEARING-Ball (Used on 3190-3000)	20-4	3670	1
3	BEARING-Main Sleeve (Cylinder Block) Service Bearing	20-58	90278	1
4	BLOCK ASSEMBLY-Cylinder (Used on Types A, B&C)	22-167-5	31201-A	1
	NOTE: Assembly includes Ref. Nos. 3 & 90.			
	*BLOCK ASSEMBLY-Cylinder (Used on Type D)	22-719-5	92018-A	1
	NOTE: Assembly incl. Ref. No. 90			
5	BRACKET-Fuel Tank Mounting	26-55-5	21352	1
6	BREAKER POINTS ASSEMBLY-Includes Ref. Nos. 29, 54, 89 and 112.....	P135-6-5	P5735	1
7	BREATHER ASSEMBLY	260-13	6354	1
8	CAM-Magneto Breaker	157-29	5751	1
9	CAMSHAFT	6-24	31010	1
10	CAP & GASKET ASSEMBLY-Fuel	45-89-5	4517-A	1
11	CAP & GASKET ASSEMBLY-Oil Filler	45-110-5	21074-A	1
12	CARBURETOR ASSEMBLY-Clinton	P39-194-99	P14362	1
	For Complete Identification of Carburetors, Refer to Sec. III, Div. A, Page 2.			
13	CLEANER ASSEMBLY-Air	2-9-5	4546-A	1
14	CLIP-Ignition Shorting	266-28	3499	1
15	CLIP-Coil Holding	P81-20	P5734	1
16	COIL-Magneto (Without Laminations)(Used on Types A, B&C)	P135-215	P5733-A	1
	*COIL-Magneto (Without Laminations)(Used on Type D).....	P135-13-5	P5770	1
17	CONDENSER-Magneto	P135-29-5	P5589-A	1
18	CONNECTOR-90°Flexible Fuel Line (Carburetor).....	69-24	5052	1
19	CORE & BREAKER BOX ASSEMBLY-Incl. Ref. No. 15	P135-37-5	P5732	1
20	COVER-Dust, Magneto Breaker Points	P45-15	P5743	1
21	COVER-Valve Chamber	45-82	10324	1
22	CRANKSHAFT (Used on 3100-3000)	46-403	31314-1	1
	CRANKSHAFT (Used on 3190-3000)	46-404	31310-1	1
23	DECAL-Air Cleaner.....	58-21	4561	1
24	DECAL-Arrowhead	58-25	90559	2
25	DECAL-Horsepower	58-148	91101	1
26	DEFLECTOR-Air Cylinder	259-56	90504	1
27	DISTRIBUTOR-Oil	220-17	31017-1	1
28	ELBOW-Breather	69-23	90610	1
29	FELT-Lubrication, Cam Follower	P94-189	P5742	1
30	FLYWHEEL ASSEMBLY-With Magnets	83-10-5	5752-A	1
31	GASKET-Air Horn to Air Cleaner	94-11	10259	1
32	GASKET-Air Horn to Carburetor	94-13	31445	1
33	GASKET-Cylinder Head	94-40	10253	1
34	GASKET-Bearing Plate, .015 Standard	94-107	10254	1
	Available in .010 size	93-107	10254-1	1
35	GASKET-Asbestos (Carburetor to Block)	94-31	6002	1
36	GASKET-Cover, Dust (Breaker Points)	P94-241	P5744	1
37	GASKET-Oil Filler Cap	94-81	3297	1
38	GASKET-Spark Plug	94-90	3115	1
39	GASKET-Valve Chamber Cover	94-103	10251	1
	GASKET KIT-Engine Overhaul	149-361	91562	1
40	HEAD-Cylinder	122-17	31011	1
41	HORN-Air	69-54	21350	1
42	HOUSING ASSEMBLY-Blower	259-119-5	21000-A	1
43	KEY-Flywheel	148-4	10339	1
44	LEAD-Hi-Tension, Magneto (Used on Types A, B and C)	P307-189	P5555	1
	*LEAD-Hi-Tension (Used on Type D).....	P307-194-99	P90761	1
45	LEVER-Speed Adjusting	157-83	90584	1
46	LEVER ASSEMBLY-Speed Regulating	157-120-5	90585-A	1
47	LINE-Flexible Fuel	158-25	6316	1
48	LINK-Carburetor to Air Vane	159-21	31402	1
49	LOCK-Connecting Rod Screw	148-7	31432	2
50	MUFFLER-45°Inlet	170-18	4500	1

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	MAGNETO ASSEMBLY-Incl. Ref. Nos. 6, 15, 16, 17, 19, 20, 29, 36, 54, 75, 85, 89, 94, 102 and 112. (Used on Types A, B&C)	P268-4-5	P5731	1
	*MAGNETO ASSEMBLY-Incl. Ref. Nos. 6, 15, 16, 17, 19, 20, 29, 36, 54, 75, 85, 89, 94, 102 and 112. (Used on Type D)	P268-17-5	P91740	1
51	NUT-Hex, 1/2-20 (Starter Pulley)	183-68-99	5942	1
52	NUT-Lock, Muffler	183-37	4425	1
53	NUT-Square (Tank Straps)	183-53	3253	2
54	NUT-Terminal Condenser Lead.....	P183-21	P5740	1
55	NUT-Wing (Air Cleaner)	183-66	7044	1
56	NUT & L'WASHER ASS'Y-1/4-28 Hex. (Carb. Mounting).....	183-29-5	3255-A	2
57	PIN-Camshaft Axle	203-20	10392	1
58	PIN-Pivot, Air Vane Governor (Used on Type A)	203-33	10015	1
	PIN-Pivot, Air Vane Governor (Used on Types B, C&D)	203-91	90982	1
59	PIN-Wrist.....	203-63	6024	1
60	PISTON ASSEMBLY-Standard	204-13-5	31001-A	1
	NOTE: Piston Assemblies are available in the following oversizes:			
	IBM Part No. Oversize Listed			
	Order by Part No. 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)
		.040 ...	209-13-5	31001-A (.040)
	NOTE: Piston Assembly incl. Ref. Nos. 59, 67, 68, 69, and 70.			
61	PLATE-Name	58-105	6530	1
62	PLATE ASSEMBLY-Bearing (Used on 3100-3000)	215-52-5	10047-A	1
	NOTE: Assembly incl. Ref. Nos. 2			
	PLATE ASSEMBLY-Bearing (Used on 3190-3000).....	215-54	10049	1
63	PLATE-Valve Spring Retainer	215-136	10013	1
64	PLUG-1/4 N. P. T. (Oil Drain)	216-19	3289	2
65	PULLEY-Starting	219-17	12397	1
66	RETAINER-Valve Spring	304-135	3028	2
67	RING-Compression, Standard-Order Ring Set.....	233-4-99	6026	1
68	RING-Oil, Standard-Order Ring Set	233-14-99	6006	1
69	RING-Retainer, Wrist Pin	232-41	6034	2
	RING-Ball Bearing to Crankshaft (Used on 3190-3000)(Not Illustrated).....	232-30	21329	1
	RING-Retaining-Bearing Hold Down (Used on 3190-3000)(Not Illus.)	232-29	21328	1
70	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:			
	IBM Part No. Oversize Listed			
	Order by Part No. 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)
	NOTE: Ring Set includes Ref. Nos. 67, 68 and 70.			
71	RIVET-Tubular (Name Plate).....	244-21	5460	4
72	ROD ASSEMBLY-Connecting (Incl. Ref. Nos. 49&76)	245-102-5	31002-A	1
73	ROPE ASSEMBLY-Starter	246-13-5	4266	1
74	SCREEN-Rotating	257-2-5	90092	1
75	SCREW-R. H. S. T. #8-32x4/5 (Condenser to Plate)	P258-299	P5741	1
76	SCREW-H. H. C., 1/4-20x1 1/4 (Connecting Rod Cap)	258-9	3235	2
77	SCREW-S. H. S. T., #8-32x3/8(Deflector to Block).....	258-95	5644	2
78	SCREW-R. H. M., #10-24x 6 1/4 (Air Cleaner to Air Horn)	258-72	5636	1
79	SCREW-H. W. H., 5/16-18x1 7/8 (Cylinder Head to Block)	258-88	5654	8
80	SCREW-#8-32x7/8 Knurled (Speed Control)	258-152	5863	1
81	SCREW-Shoulder, #10-32x3/8"-Lever, Speed Adjusting	258-205	4440	1
82	SCREW-R. H. M., #8-32x11/16-(Air Horn to Carburetor).....	258-105	5677	2
83	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1/2	258-280-5	3205-G	2
	(Blower Housing to Block)			
84	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 1/4	258-284-5	5613-G	8
	(Bearing Plate to Block)(2-Fuel Tank Straps)			
85	SCREW & L'WASHER ASS'Y-H. H. C., #10-24x1(Laminations to Block).....	258-108-5	5682-A	2
86	SCREW & L'WASHER ASS'Y-S. H. H. C., #10-24x1/2	258-82-5	5645-A	2
	(Valve Chamber Cover)			
87	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1 3/8	258-261-5	5663-G	1
	(Tank Bracket to Block)			
88	SCREW & L'WASHER ASS'Y-H. H. S. T., #10-32x3/8 (Speed Regulator).....	258-272-5	5838-A	1
89	SCREW & L'WASHER ASS'Y-R. H. M., #8-32x3/8	P258-297-5	P5737	1
	(Breaker Points to Breaker Box)			
90	SEAL-Oil (Block)	94-178	10012	1
91	SEAL-Oil (Bearing Plate) Used on 3100-3000.....	94-162	3026	1

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	SEAL-Oil (Bearing Plate) (Used on 3190-3000)	94-166	3764	1
92	SHIELD-Flywheel	259-318	90502	1
	SPACER-Used on 3190-3000 (Not Illustrated)	232-36	6189	1
93	SPARK PLUG & GASKET ASSEMBLY (H-10).....	K267-28-5	K16303-A	1
94	SPRING-Breaker Box Cover	P263-10	P5745	1
95	SPRING-Compression Knurled Screw	263-34	90586	1
96	SPRING-Air Governor	263-73	90842	1
97	SPRING-Valve	263-92	3068	2
98	STRAP-Fuel Tank	26-159	7943	2
99	STUD-Carburetor Mounting	24-11	5659	2
100	TANK ASSEMBLY-Fuel (Incl. Ref. No. 11)	277-69-5	21051	1
101	TAPPET-Valve	278-5	10009	2
102	TERMINAL-Jamtite Breaker Points	P307-230	P5738	1
103	VALVE-Fuel Shut Off, Flexible Line	273-31	5051	1
104	VALVE-Exhaust	291-8	10301	1
	VALVE-Exhaust, .010 Oversize	292-6	10321	1
105	VALVE-Intake	291-7	10302	1
	VALVE-Intake, .010 Oversize	292-7	10322	1
106	VANE-Air Governor (Used on Type A)	107-11	10014	1
	VANE-Air Governor (Used on Types B, C&D)	107-30	91033	1
107	WASHER-Tank Bracket to Block	304-134	3278	1
108	WASHER-"C" Valve Keeper	304-9	3291	2
109	WASHER-Starter Pulley	304-132	5941	1
110	WASHER-Rubber (Screw to Air Cleaner)	304-136	5906	1
111	WASHER-Speed Adjusting	304-88	3279	1
112	WASHER-Terminal Condenser Lead	P304-290	P5739	1

* Indicates New Parts Listed For The First Time.

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MODEL VARIATIONS OF 3100-3000 AND H-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	Notes	Part Numbers	Assembly Numbers	Part Numbers	Part Numbers
1300-3101	Note 1			SK-560	10048-A P90996 21014-A
1300-3102				SK-560	P90996 21014-A
1300-3103	Notes 2 & 3	31300-1		SK-560 72"	P90996 21014-A
1300-3104					P90996 21014-A
1300-3105	Notes 2 & 4			SK-560	P90996 21014-A
1300-3106	Notes 2 & 4			SK-560	P90996 21014-A
1300-3108	Notes 1 & 5	31225-A		SK-560	P90996 21014-A
1300-3110		31300-1			
1300-3111		31300-1			P90996 21014-A
1300-3112	NO VARIATION—USE BASIC PARTS LIST				
1300-3113				SK-560	P90996 21014-A
1300-3114	NO VARIATION—USE BASIC PARTS LIST				
1300-3115				SK-560	P90996 21014-A
1300-3116	Notes 1, 6, 11				P90996 21014-A
1300-3117					10048-A P90996 21014-A
1300-3118				SK-560 72"	P90996 21014-A
1300-3119	Note 1			SK-560 72"	P90996 21014-A
1300-3120	NO VARIATION—USE BASIC PARTS LIST				
1300-3122	Note 13	31225-A		SK-560	P90996 21014-A
1300-3123	Note 1			SK-560 72"	P90996 21014-A
1300-3124				SK-560	10048-A
1300-3125	Note 11				P90996 21014-A
1300-3127				SK-560	P90996 21014-A
1300-3128					P90996 21001-B
1300-3129		31300-1			
1300-3130	Note 2			SK-560	P90996 21014-A
1300-3131	Notes 1, 13, 17	31225-A			P90996 21014-A
1300-3132	Notes 2, 4, 9, 21				C91116 92207-A
1300-3133	Notes 9, 17, 19, 20				P90996 21001-B
1300-3134	Note 4				P90996 21014-A
1304-3121	Note 18	91245-A			31424-A
1320-3000	Note 7	31302-1			3552 9:00
1340-3000	Note 7	31304-1			3554 9:00
1340-3100	Note 7	31304-1			P90996 21014-A 3554 9:00
1340-3101	Notes 7 & 11	31304-1			3554 6:00
1340-3102	Notes 7 & 11	31304-1		10048-A	3554 9:00
1360-3000	Note 7	31306-1			3800 9:00
1360-3100	Note 7	31306-1			P90996 21014-A 3800 9:00
1360-3101	Note 7	31306-1	SK-560		P90996 21014-A 3800 9:00

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MODEL
VARIATIONS

MODEL VARIATIONS OF 3100-3000 AND H-3100-1000 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
3160-3103	Note 7			31306-1						P90996	21001-B	3800	9:00
3160-3104	Note 7			31306-1			10048			P90996	21014-A	3800	9:00
3190-3000	Note 12			31310-1	3670		10049						
3190-3100	Note 12			31319	3670		10049						
3190-3101	Note 12			31312	3670		10049						
3190-3102	Note 12			31309-1	3670		10049						
3190-3104	Note 12			31319	3670		10049		P90996		21014-A		
3190-3105	Note 12			31310-1	3670		10049						
3190-3106	Notes 8, 10, 12			31309-1	3670		10049						
3190-3108	Note 12			31310-1	3670	SK-560	10049			P90996	21014-A		
3190-3110	Note 12			16128	3670		10049			P90996	21014-A		
3190-3111	Notes 12 & 16			31318-1	3670		10059						
3190-3112	Notes 12 & 15		31218-D	31310-1	3670		10049			P90996	21014-A		
3190-3113	Notes 9 & 12			31310-1	3670		10049			P90996	21014-A		
3190-3114	Note 12			31318-1	3670		10049			P90996	21014-A		
3190-3115	Note 12			31330	3670		10049						
3190-3116	Note 12			31330	3670		10049						
3190-3117	Notes 11 & 12			31310-1	3670		10049						
3190-3118	Note 12			31318-1	3670		10049						
3190-3119	Notes 9 & 12			31310-1	3670	SK-560	10049	6343		P90996	21014-A		
3190-3122	Note 12			31319	3670		10049			P90996	21001-B		
3190-3123	Note 12			31310-1	3670		10049				21000-B		
3190-3124	Note 12			31312	3670		10049			P90996	21014-A		
3190-3126	Note 12			31330	3670		10049			P90996	21001-B		
3190-3128	Note 12			31335	3670		10049				21000-B		
3190-3129	Note 12			31319	3670		10049						
3194-3120	Notes 12 & 18		91245-A	31319	3670		31425-A			P90996	21014-A		
3194-3121	Notes 12 & 18		91245-A	31312	3670		31425-A			P90996	21014-A		
3194-3125	Notes 12 & 18		91245-A	31312	3670		31425-A	91017		P90996	21014-A		
H-3100-1104	Notes 13 & 14		91536-A			SK-560				P90996	21014-A		

- NOTE 1—Use 21351 Horn (Air), 5052 Connector Hose, 4533 Tube (Breather).
- NOTE 2—Use 90788-A Cover Assembly (Spark Plug).
- NOTE 3—Use 7941 Tank, 5051 Valve (Fuel Shut-Off).
- NOTE 4—Use 21070-A Body Assembly (Air Cleaner), 2132 Element, 2003 Cover, 5634 Screw.
- NOTE 5—Use 90720 Deflector, 31028 Bracket (Fuel Tank Mtg.), 31029 Strap (Fuel Tank Mtg.—2), 3205-G Screw & L'Washer, 5613-G Screw & L'Washer.
- NOTE 6—Use 21376-B Bracket (Remote Control), 21375-A Lever (Speed Control), 4448 Stop (Throttle Lever), 5463 Nut (Loom), 5841 Plug (Pivot Pin Hole), 5812 Screw, 5681 Screw, 5846 Screw, 5909 L'Washer.
- NOTE 7—Use 3136 Seal, 91561 Gasket Kit.
- NOTE 8—Use P90481 Lead (Hi-Tension), K15375-A Spark Plug, 90682 Shield (Spark Plug Ass'y) that includes the following: 90485 Shield (Spark Plug), 90594-A Shield (Spark Plug), 90486 Clamp (Spark Plug).
- NOTE 9—Use 12409-A Wire Assembly (Ignition Shorting), P5566 Grommet, 5644 Screw, 5522 Nut.
- NOTE 10—Use 31012 Head (Cylinder).
- NOTE 11—Use 10080-A Muffler, 10075 Nut (Muffler), 10068-A Cover (Muffler), 5861 Bolt, 5869 Nut (Wing).
- NOTE 12—Use 21328 Ring (Retaining), 21329 Ring (Retaining), 6189 Spacer, 3764 Seal.
- NOTE 13—Use 31029 Strap (Fuel Tank—2), 3205-G Screw & L'Washer Assembly, 5613-G Screw & L'Washer Assembly, 90720 Deflector, 31028 Bracket (Fuel Tank).
- NOTE 14—Use 91098 Bearing (Main, Flange).
- NOTE 15—Use 31499 Insert (Valve Seat, Intake), 31512 Insert (Exhaust), 90722 Spring (Ex. Valve) 12363-A Roto-Cap, 90723 Valve (Exhaust), 12362 Pin (Valve).

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- NOTE 16—Use 31512 Insert (Valve Seat), 21301 Valve (Exhaust, Stellite), use Standard Exhaust Valve as the Intake Valve, 12368-A Tank, 21352 Bracket, 7943 Strap (2), 4584 Valve (3-way), 5051 Valve, 5052 Connector, 5053 Connector, 3576 Nipple, 31012 Head.
- NOTE 17—Use 92102 Air Cleaner Ass'y that includes 91802 Plate (Air Cleaner Mtg.), 91815 Cover, 91791 Element, 92024 Washer, 92098 Gasket.
- NOTE 18—Use 92187-A Camshaft Assembly, 90385-C Collar (Governor), P14035 Carburetor, 31468 Arm (Carburetor), 31469 Adjuster (Governor Arm), 5489 Washer, 5644 Screw, 7113 Screw, 4511 Nut (Square), 91982 Link (Throttle Actuating), 91977 Spacer (Bracket), 91976 Bracket (Speed Control), 91983 Screw & L'Washer, 16334 Nut (Throttle Adjusting), 4582 Rod (Throttle Adjusting), 91964 Spring (Speed Regulating), 10350-C Horn (Air), 90394 Shaft, 90386 Washer, 90389 Yoke, 90383 Ring Retainer.
- NOTE 19—Use 4419 Elbow, 4425 Nut, 7149 Gasket, 91854 Manifold, 31461 Gasket, 10324 Cover, 6354 Breather Assembly, 6450 Tube (Breather), 91996 Connector (Elbow to Tube), 90610 Elbow, 10353 Mandrel, P14797-A Carburetor, and 5613-G Screw (2). For Service on Carburetor Refer to Sec. III, Div. A, Page 21. The Service Parts are the same as the 14055 Carburetor.
- NOTE 20—Use 91330 Slide Ass'y, 5644-A Screw, 2 (Bracket to Block), 91855 Link, 91472 Spring, 21400 Bracket (Remote Control), 31461 Clamp (Remote Control), 5892 Screw (Bracket to Slide Ass'y) (Clamp to Bracket) 3 required, and 3488 Decal.
- NOTE 21—Use C91116 Impulse Starter, C91119 Cup, 90872 Screen, 4107-A Nut (4). These parts are included in Kit MC91537.