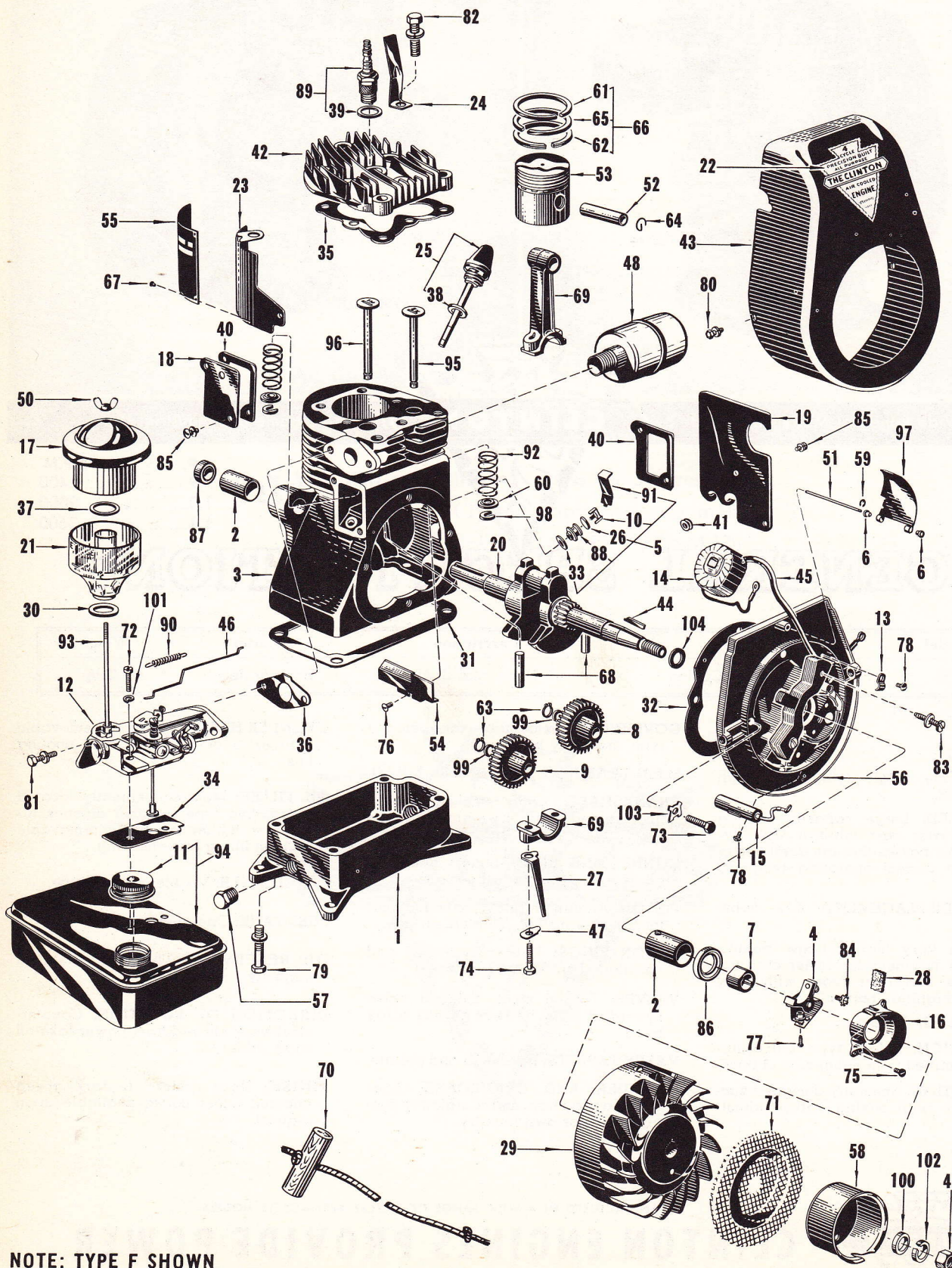


SEC. II, DIV. 300-350
PARTS CATALOG
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CLINTON

S E R I E S
350
4 - C Y C L E

BASIC
TYPES



NOTE: TYPE F SHOWN

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BASIC
TYPES

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There are seven Basic Types of the 300-350 Engines covered by this Basic Parts List. The 300, Types A & B are all 300 Series Engines. The Types C, D, E & F are 350 Series Engines. Parts not used on all Types are noted. These "TYPES" are shown as follows: NO SERIAL NUMBER SUFFIX—referred to as "TYPE 300." SERIAL NUMBER SUFFIX "A"—referred to as "TYPE 300-A." SERIAL NUMBER SUFFIX "B"—referred to as "TYPE 300-B." SERIAL NUMBER SUFFIX "C"—referred to as "TYPE 350-C." SERIAL NUMBER SUFFIX "D"—referred to as "TYPE 350-D." SERIAL NUMBER SUFFIX "E"—referred to as "TYPE 350-E." SERIAL NUMBER SUFFIX "F"—referred to as "TYPE 350-F."

*The asterisk preceding any Part Description means this Part is different on certain Models.

Check for Model Variations following this Basic Parts List.

NOTE: See page no. (a) on "How to Identify Your Clinton Engine."

BASIC PARTS LIST — ALL TYPES

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
1	*Base — Engine	7603	1
2	Bearing — Main (1—Bearing Plate, 1—Block)	7213	2
3	Block Assembly — Cylinder	7703-1A	1
4	Breaker Points Assembly — Magneto	P5510	1
	NOTE: Breaker Points Assembly includes Ref. No. 77.		
5	Breather Assembly	7150-A1	1
	NOTE: Breather Assembly includes Ref. Nos. 10, 26, 33, 88 and 91.		
6	Bushing — Air Vane	7239	2
7	Cam — Breaker Points	5105	1
8	Cam and Gear — Exhaust	7222	1
9	Cam and Gear — Intake	7224	1
10	Cap — Breather	7151	1
11	Cap and Gasket Assembly — Fuel	7011	1
12	Carburetor Assembly — Suction	7080-2	1
	NOTE: See Sec. III, Div. A.		
13	Clamp — High Tension Lead	C3410	1
	Cleaner Assembly — Air	4512-B	1
	NOTE: See Sec. III, Div. F, for component parts.		
	Cleaner Assembly includes Ref. Nos. 17, 21, 37 and 50.		
	Cleaner Assembly — Air	7084-B	1
	NOTE: Component parts not interchangeable with 4512-B. See Sec. III, Div. F, for component parts. Not available as an Assembly.		
14	Coil Assembly — Magneto (With Laminations)	P5502	1
	Coil — Magneto (Without Laminations)	P5509	1
15	Condenser — Magneto	P7219	1
16	Cover — Breaker Points	5062	1
17	Cover and Element — Air Cleaner	4512	1
	Cover — Air Cleaner	7217-1	1
	NOTE: See Sec. III, Div. F.		
18	Cover — Valve Chamber (Intake Side)	7221	1
19	Cover and Shield — Valve Chamber (Exhaust Side)	7231-1	1
20	*Crankshaft	7804-1	1
21	Cup — Air Cleaner, Lower	4514	1
	Cup — Air Cleaner, Lower	7084	1
	NOTE: See Sec. III, Div. F.		
22	Decal — Arrowhead	3579	1
23	Deflector — Air	7148	1
24	Device — Shorting Clip (Spark Plug)	3599	1
25	Dipstick Assembly — Oil Filler	7220-A	1
	NOTE: Dipstick Assembly includes Ref. No. 38.		
26	Disc — Breather	7152	1
27	Distributor — Oil	7207	1

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig.1 Ref.No.	PART DESCRIPTION	Part No.	Quantity
	Element — Filter, Air Cleaner.....	7217-3	1
	NOTE: See Sec. III, Div. F.		
	Engine Repair Kit.....	6301	1
	NOTE: See Sec. VIII, Div. A, Bulletin 57.		
28	Felt — Lubrication, Cam Follower.....	P5504	1
29	Flywheel Assembly — With Magnets — used on Types 300-B, 350-C, D, E & F....	7186-A	1
	Flywheel Assembly — With Magnets — used on Types 300 & A.....	7223-A	1
	NOTE: Sold as an Assembly only.		
30	Gasket — Air Cleaner to Carburetor — used on Types 350-D, E & F.....	7094	1
31	Gasket — Base.....	7211	1
32	Gasket — Bearing Plate (Standard, .015 thick).....	7216	1
	NOTE: Gaskets are also available in the following thicknesses: .005, .010 and .020. Order by Part No. and specify thickness.		
33	Gasket — Breather.....	7153	1
34	Gasket — Carburetor (To Fuel Tank).....	7126	1
35	Gasket — Cylinder Head.....	7201	1
36	Gasket — Manifold, Asbestos (Carburetor to Block).....	7149	1
37	Gasket — "O" Ring, Air Cleaner (Element to Cup).....	4515	1
38	Gasket — Oil Filler Cap, Dipstick.....	3297	1
39	Gasket — Spark Plug.....	3115	1
40	Gasket — Valve Chamber Covers.....	7232	2
	Gasket Kit — Engine Overhaul.....	7211-A	1
	NOTE: See Sec. VIII, Div. A, Bulletin 48.		
	NOTE: Kit contains all necessary Gaskets and Oil Seals.		
41	Grommet — High Tension Lead.....	3283	1
42	Head — Cylinder.....	7200	1
43	Housing — Blower — used on Types 300-B, 350-C, D, E & F.....	7175	1
	Housing — Blower — used on Types 300 & A.....	7242	1
	Housing — Blower (For Recoil Starter) — used on Types 300-B, 350-C, D, E & F.....	7196-A	1
44	Key — Flywheel.....	7244	1
45	Lead — High Tension, Magneto.....	P5521	1
46	Link — Governor, Spring — used on Types 300-B, 350-C, D, E & F.....	7189	1
	Link — Governor, Spring — used on Types 300 & A.....	7145	1
47	Lock — Connecting Rod Screw.....	7206	2
48	Muffler — Tubular — used on Types 350-E & F.....	3639	1
	Muffler — Pancake — used on Types 300-A, B, 350-C & D.....	7256	1
	NOTE: For replacement order 3639 Muffler.		
49	Nut — Hexagon, 7/16-20 (Starter Pulley).....	3250	1
50	Nut — Wing (Air Cleaner Stud).....	7044	1
	Pin — Cam Axle (Not Illustrated).....	7225	2
51	Pin — Pivot, Air Vane, Governor — used on Types 300-B, 350-C, D, E & F.....	7184	1
	Pin — Pivot, Air Vane, Governor — used on Types 300 & A.....	7238	1
52	Pin — Wrist.....	3033	1
53	Piston — Standard.....	3021	1
	Piston Assembly — Standard.....	3021-A	1
	NOTE: Piston Assemblies are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part No. and specify oversize.		
	Piston Assembly includes Ref. Nos. 52, 53, 64 and 66.		
54	Plate — Baffle, Crankcase — used on Types 300, A, B, 350-C & D.....	7235	1
55	Plate — Name, Clinton Engines.....	6530	1

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BASIC
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BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
56	Plate — Bearing	7215-A	1
	NOTE: Bearing Plate includes Ref. Nos. 2 and 86.		
	Plate Assembly — Bearing & Magneto	C7215-A1	1
	NOTE: Bearing & Magneto Plate Assembly includes Ref. Nos. 4, 14, 15, 56, 78, 83 and 84.		
57	Plug — Oil Drain	3289	1
58	Pulley — Starter	3299	1
59	Retainer — Air Vane	4430	1
60	Retainer — Valve Spring	3028	2
61	Ring — Compression, Standard	3572	1
62	Ring — Oil, 3/16, Standard — used on Types 300-A, B, 350-C, D, E & F	3574-1	1
	Ring — Oil, 1/8, Standard — used on Type 300	3574	1
63	Ring — Retainer, Cam and Gear	7226	2
64	Ring — Retainer, Wrist Pin	3030	2
65	Ring — Scraper, Standard	3573	1
66	Ring Set — Standard (3/16 Oil Ring) — used on Types 300-A, B, 350-C, D, E & F	3048-1	1
	Ring Set — Standard (1/8 Oil Ring) — used on Type 300	3048	1
	NOTE: Ring Sets are available in the following oversizes: .005, .010, .020, .030 and .040. Order by Part No. and specify oversize. Ring Set includes Ref. Nos. 61, 62 and 65.		
67	Rivet — Tubular, Name Plate	3660	4
68	Rod — Push (Cam Gears)	7228	2
69	Rod Assembly — Connecting	7204-A	1
	NOTE: Rod Assembly includes Ref. Nos. 47 and 74.		
70	Rope Assembly — Starter	4266	1
71	Screen — Revolving	7265	1
72	Screw — F.H., #10-32 x 1/2 (Carburetor to Fuel Tank)	5412	2
73	Screw — H.H.C., 1/4-28 x 5/8 (Bearing Plate to Block)	7236	4
74	Screw — H.H.C., 1/4-28 x 1 (Connecting Rod Cap)	7205	2
75	Screw — O.H.S.T., #6-32 x 3/8 (Breaker Cover to Bearing Plate)	5416	2
76	Screw — R.H.S.T., #8-32 x 3/8 (Baffle Plate to Block)	5409	1
77	Screw — R.H.S.T., #6-32 x 3/8 (Breaker Points Terminal)	5405	1
78	Screw — R.H.S.T., #8-32 x 1/4 (1—Clamp to Bearing Plate, 1—Condenser to Bearing Plate)	5415	2
79	Screw & L'washer Ass'y — H.H.C., 5/16-18 x 1-3/4 (Base to Block)	3292-G	4
80	Screw & L'washer Ass'y — H.H.C., 1/4-20 x 1/2 (Blower Housing to Bearing Plate)	3205-G	2
81	Screw & L'washer Ass'y — H.H.C., 1/4-28 x 5/8 (Carburetor to Block)	7236-G	2
82	*Screw & L'washer Ass'y — H.H.C., 5/16-18 x 1 (Cylinder Head to Block)	3201-D	7
83	Screw & L'washer Ass'y — Pan H.S.T., 1/4-20 x 1 (Coil to Bearing Plate)	5406-B	2
84	Screw & L'washer Ass'y — R.H.M., #8-32 x 5/16 (Breaker Points to Bearing Plate)	5407-F	1
85	Screw & L'washer Ass'y — R.H.M., #10-32 x 3/8 (Valve Chamber Cover)	3222-F	4
86	Seal — Oil (Bearing Plate)	7254	1
87	Seal — Oil (Cylinder Block)	7254-1	1
88	Seat — Breather	7150	1
89	Spark Plug and Gasket Assembly	3568	1
90	Spring — Air Governor — used on Types 350-C, D, E & F	7180	1
	Spring — Air Governor — used on Types 300 & A	7263	1
91	Spring — Breather, Hold Down	7234	1
92	Spring — Valve	3068-B	2
93	Stud — Air Cleaner	7142	1
94	Tank Assembly — Fuel	7030-A	1
	NOTE: Tank Assembly includes Ref. No. 11.		

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BASIC
 TYPES

BASIC PARTS LIST — ALL TYPES (CONTINUED)

Fig. 1 Ref. No.	PART DESCRIPTION	Part No.	Quantity
95	Valve — Exhaust	7230	1
	Valve — Exhaust, Oversize Stem (Approx. 9/32 Dia.)	7230-1	1
96	Valve — Intake	7229	1
	Valve — Intake, Oversize Stem (Approx. 9/32 Dia.)	7229-1	1
97	Vane — Air Governor — used on Types 350-C, D, E & F	7188	1
	Vane — Air Governor — used on Type 300-B	7182	1
	Vane — Air Governor — used on Types 300 & A	7237	1
98	Washer — "C", Valve Keeper	3291	2
99	Washer — End Play, Cam Gear	7437	2
	NOTE: This Washer is used only to remove end play of Cam Gear.		
100	Washer — Flat, 7 16 (Starter Pulley)	5482	1
101	Washer — Lock, #10 (Carburetor to Fuel Tank)	3285	2
102	Washer — Lock, 7 16 (Starter Pulley)	3275	1
103	Washer — Lock, Tab Type (Bearing Plate to Block)	7028	4
104	Washer — Thrust	7218	1

NOTE: Thrust Washers are also available in the following oversizes: .005 and .010. Order by Part No. and specify oversize.

AVAILABLE OVERHAUL KITS

Engine Model	Description	Kit No.
All Types	Gasket Overhaul Kit	7211-A
All Types	Engine Repair Kit	6301



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MODEL
VARIATIONS

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MODEL VARIATIONS OF 300-350 SERIES

The adaptation of Clinton Engines to a wide variety of uses result 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".	BASE—ENGINE, (Part Numbers Shown) refer to Sec. IV, Div. A for details and further information.	SCREW-CYL. HEAD, (Part Number Shown) Refer to Illustrated Basic Parts List for corresponding part.	CONTROL CABLE LENGTH, replacement cable is furnished in 72" length ONLY, cut to length shown.	CONTROL GROUP, (Control Group Illustration Numbers Shown) refer to Sec. III, Div. D for Parts List.	STUD-PIVOT, (Part Number Shown) This part is additional and not illustrated.	SPACER-CYL. HEAD SCREW, (Part Number Shown) Used with 3292 Screw.
300-1	Note 2		48"	SK-355		
300-2	Note 2			SK-355		
300-3	Note 2		43"	SK-355		
300-F	Note 2			SK-355		
300-FP	Note 1					
300-FP-1	Note 1					
300-FP-2	Note 1					
300-FP-3	Note 1					
300-FS	Note 1					
300-FS-1	Note 1					
300-FS-2	Note 1					
300-FS-3	Note 1					
300-FS-5	Note 1					
300-FS-6	Notes 1 & 5					
300-FS-7	Note 1	3293 (2)				3741 (2)
300-FS-8	Note 1					
300-FS-9	Note 1	3293 (2)				3741 (2)
300-JOA	No Variation, use Basic Parts List.					
300-JOB	No Variation, use Basic Parts List.					
300-JOC	No Variation, use Basic Parts List.					
300-JOD	No Variation, use Basic Parts List.					
300-JOE	No Variation, use Basic Parts List.					
300-JOF	No Variation, use Basic Parts List.					
300-JOG	No Variation, use Basic Parts List.					
300-JOH	No Variation, use Basic Parts List.					
300-JOK	No Variation, use Basic Parts List.					
300-JOL	No Variation, use Basic Parts List.					
300-JON	No Variation, use Basic Parts List.					
300-JOP	No Variation, use Basic Parts List.					
300-JOS		3292 (2)				7178 (2)
300-JOW	No Variation, use Basic Parts List.					
300-LOA	Note 3	7604				
300-LOB	Note 3	7604				
300-M	Note 1			SK-355		

(Under Serial No. 5000)

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MODEL
VARIATIONS

MODEL VARIATIONS OF 300-350 SERIES (Cont.)

For more complete description refer to first page of the Model Variations.

Eng. Mod.	Base-Eng.	Screw	Cable	Con. Grp.	Stud	Spacer
300-M				SK-355		
(Above Serial No. 5000)						
300-P	Note 2			SK-355		
300-P-1	Note 2	3293 (2)		SK-355		3741 (2)
300-P-2	Note 2		43"	SK-355	Note: Use 7703-1A Block	
300-P-3	Note 2			SK-355		
300-P-4	Note 2			SK-355		
300-P-5	Note 2			SK-355		
300-PL	Notes 2 & 3	7604		SK-355		
300-SL	Notes 2 & 3	7604		SK-355		
(Under Serial No. 5000)						
300-SL-1	Note 3	7604		SK-355		
(Above Serial No. 5000)						
300-T				SK-355		
301	No Variation, use Basic Parts List.					
301-1	No Variation, use Basic Parts List.					
301-2		3293 (2)	48"	SK-331-1		3741 (2)
301-3			48"	SK-331-1		
301-4	No Variation, use Basic Parts List.					
301-5		3293 (2)				3741 (2)
301-JOA	No Variation, use Basic Parts List.					
301-JOB			48"	SK-366		
301-JOC			38"	SK-366		
301-JOD			43"	SK-366	7278	
301-JOE				SK-366		
301-JOF				SK-366		
301-JOG			42"	SK-366		
301-JOH			72"	SK-366		
301-JOJ				SK-366	7178	
301-JOK				SK-368		
301-JOL			48"	SK-368		
301-JOM			38"	SK-368		
301-JON			43"	SK-368	7273	
301-JOP				SK-368		
301-JOR				SK-368		
301-JOS			42"	SK-368		
301-JOT				SK-368		
301-JOU				SK-368	7179	
301-JOV		3292	48"	SK-368	7278	3740
301-JOW				SK-368		
301-JOX				SK-368	7278	
301-JOY			72"	SK-368		
301-LOA	Note 3	7604				
301-LOB	Note 3	7604		SK-368		
301-LOC	Note 3	7604		SK-368		
301-LOV	Note 3	7604				
301-P-1		3293 (2)		SK-331-1		3741 (2)
301-ZOA		3292		SK-366	7278	3740
302-J1A	Note 1		48"	SK-331-1		
302-J1E	Note 1			SK-331-1		

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MODEL
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MODEL VARIATIONS OF 300-350 SERIES (Cont.)

For more complete description refer to first page of the Model Variations.

Eng. Mod.	Base-Eng.	Screw	Cable	Con. Grp.	Stud	Spacer
330-JOA	Note 4					
331-JOA	Note 5			SK-366		
331-JOB	Note 5			SK-368	7177	
331-JOC	Note 5			SK-368		
333-J1A	Note 1				7278	
350-JOAA	Note 5				7177	
350-JOAB	No Variation, use Basic Parts List.					
350-JOAC	No Variation, use Basic Parts List.					
350-JOAD					7193	
350-JOAE	No Variation, use Basic Parts List.					
350-JOAF	No Variation, use Basic Parts List.					
350-JOAG					7193	
350-JOAH	No Variation, use Basic Parts List.					
350-JOAJ		3292			7278	3740
350-JOAK	No Variation, use Basic Parts List.					
350-JOAL					7179	
350-JORB	Note: Use C6311 Recoil Starter					
350-JOS		3292 (2)				7178 (2)
350-JOX	Note 4					
350-JOY	Note 4					
351-JOAA		3293 (2)				3741 (2)
351-JOAB	No Variation, use Basic Parts List.					
351-JOAC					7193	
351-JOT	No Variation, use Basic Parts List.					
351-JOU					7179	
351-JOV		3292	48"		7278	3740
351-JOX					7278	
351-JOZ	Note 5					
351-LOC	Note 3	7604				

Note 1 — This model is equipped with a Carter Carburetor. Refer to A-300 parts list section for basic parts and model variations.

Note 2 — This model equipped with suction feed carburetor 7100A and fuel system consisting of the following parts: 1-7100A Carburetor; 1-7010 Gasket, stand pipe; 1-7034 Gasket body; 1-7027A Line, fuel; 2-3239 Screw, 8-32 x 5/8"; 1-7041 Stud, air cleaner; 1-7001 Stand pipe; 1-7032 Tank, fuel; 1-7033 Bracket, support.

Note 3 — A low base is used on this model. The following parts replace like parts in the basic parts list. 4-3201 Screw, base; 1-7208 Distributor, oil; 1-7212A Dipstick assembly.

Note 4 — 7804-2 Crankshaft replaces 7804-1.

Note 5 — The following additional parts are used between the cylinder block and muffler.
7274 Elbow, 90 Street and 4425 Lock Nut.

