



## 414-1301-005 BASIC PARTS LIST

Ref. No.	Description	Part No.	Qty.
1	AXLE-Camshaft -----	6-4	1
2	AXLE-Governor Gear & Weight Assembly -----	6-10	1
3	BAFFLE-Breather (Lower) -----	17-21	1
4	BAFFLE-Breather (Upper) -----	17-20	1
5	BASE-Engine -----	18-34	1
6	BEARING-Roller -----	20-67	2
7	BLOCK ASSEMBLY -Cylinder -----	22-162-500	1
8	BODY-Breather -----	29-4	1
9	BRACKET-Breaker Assembly -----	26-13	1
10	BRACKET-Engine Hoisting -----	26-27	1
11	BRACKET-Fuel Tank Mounting -----	26-209	1
12	BRACKET AIR HORN -----	26-6	1
13	BREAKER POINTS ASSEMBLY -----	135-8-500	1
14	BREATHER ASSEMBLY -----	29-23-500	1
	NOTE: Assembly Incl. Ref. Nos. 3, 4, 8, 31, 43, 115, 134 & 147		
15	BUSHING-Governor, Control Lever -----	28-8	1
16	CAM-Breaker (Camshaft Axle) -----	157-23	1
17	CAMSHAFT & PIN ASSEMBLY -----	6-395-500	1
	NOTE: Assembly Incl. Ref. Nos. 59, 136, 153 & 154		
18	CAP & GASKET ASSEMBLY-Fuel -----	45-95-500	1
19	CARBURETOR ASSEMBLY -----	39-146-500	1
20	CLAMP-Cable Assembly (Valve Chamber Cover) -----	81-3	1
21	CLAMP-Hi-Tension Lead (Blower Housing Back Plate) -----	81-11	1
22	CLAMP-Fuel Line -----	81-157	1
23	CLAMP -----	81-5	1
24	CLEANER ASSEMBLY-Air -----	2-7-500	1
25	COIL-Magneto (Without Laminations) -----	135-15-500	1
26	COIL-Magneto (With Laminations) -----	135-16-500	1
27	CONDENSER-Magneto -----	135-33-500	1
28	CONNECTOR-1/8 (Valve & Filter Assy to Fuel Tank) -----	69-59	1
29	CONNECTOR-(1-Fuel Line to Carb.) (1-Fuel Shut-Off) -----	69-289	2
30	COVER & ELEMENT -----	45-36	1
31	COVER-Breather -----	45-18	1
32	COVER-Fuel Pump Mounting Hole -----	45-39	1
33	COVER-Valve Chamber -----	45-83	1
34	COVER ASSEMBLY-Breaker (With Shorting Button) -----	45-13-500	1
35	CRANKSHAFT -----	46-326	1
36	CUP-Valve Spring -----	232-1	2
37	CUP-Air Cleaner -----	2-39	1
38	CUP-Bearing -----	20-64	2
39	DEFLECTOR ASSEMBLY-Air, Block -----	259-678	1
40	DEFLECTOR-Air, Cylinder Head -----	259-41-800	1
41	DIPSTICK ASSEMBLY-Oil Filler -----	45-109-500	1
42	DISTRIBUTOR-Oil -----	220-141	1
43	FILTER-Breather -----	29-24	1
44	FLANGE ASSEMBLY-P. T. O. -----	1-18	1
45	FLYWHEEL ASSEMBLY -----	83-30-500	1
46	GASKET-Air Horn to Carb. -----	94-17	1
47	GASKET-Manifold to Carburetor -----	94-33	1
48	GASKET-Element to Cup -----	94-14	1
49	GASKET-Air Cleaner Air Horn -----	94-12	1
50	GASKET-Base to Block -----	94-52	1
51	GASKET-Manifold to Block -----	94-71	1
52	GASKET-Cylinder Head -----	94-201	1
53	GASKET-Fuel Pump Cover Hole -----	94-6	1
54	GASKET-Oil Filler Cap (Dipstick) -----	94-81	1
55	GASKET-P. T. O. Flange, .015 Thickness (Std.) -----	94-108	1
	.010 -----	93-108	1
	.020 -----	95-108	1
56	GASKET-Spark Plug -----	94-92-990	1
57	GASKET-Sator Plate -----	94-96	1
58	GASKET-Valve Chamber Cover -----	94-104	1
59	GASKET-Fuel Cap -----	94-59	1
	GASKET KIT-Engine Overhaul -----	94-596	1
60	GEAR & WEIGHT ASSEMBLY-Governor -----	106-43-500	1
61	GROMMET-Breaker Assembly Cover -----	70-8	1

Ref. No.	Description	Part No.	Qty.
62	GROMMET-High Tension Lead -----	70-6	1
63	GUIDE-Valve, Cylinder Block -----	291-21	2
64	HEAD-Cylinder -----	122-11	1
65	HORN-Air -----	69-53	1
66	HOUSING-Blower -----	250-117	1
67	HOUSING & BEARING ASSEMBLY-Governor Shaft -----	124-2-500	1
68	INSERT-Valve Seat Exhaust -----	136-24	1
69	KEEPER-Valve Spring -----	232-3	4
70	KEY-Woodruff, Flywheel -----	148-6	1
71	LEAD-Hi-Tension -----	307-297-500	1
72	LEVER-Governor -----	157-73	1
73	LEVER-Speed Control -----	157-86-500	1
74	LINE-Fuel 12 3/4" Long -----	188-392	1
75	LINK-Governor Throttle -----	159-29	1
76	LOCK-Double Connecting Rod Screw -----	148-11	1
77	MANIFOLD -----	180-7	1
78	MUFFLER-Exhaust -----	170-23	1
79	NECK ASSEMBLY-Oil Filler -----	277-8-500	1
80	NIPPLE-Muffler to Block -----	69-60	1
81	NUT-Breaker Points and Condenser to Bracket -----	183-84	1
82	NUT-Starter Pulley (7/8-14 SAE) -----	183-59	1
83	NUT-Hex, 1/4-28 (Tank Strap) -----	183-1	2
84	NUT-Speed Control Adjusting Rod -----	183-63	1
85	NUT-Square # 10-24 (Governor Lever) -----	183-63	1
86	NUT-Air Cleaner -----	183-65	1
87	NUT & L'WASHER ASS'Y-Air Horn to Carb. -----	183-25-500	1
88	NUT-Ferrule Ass'y-Fuel Line -----	183-245	2
89	PIN-Camshaft Weight -----	203-202	2
90	PIN-Wrist -----	203-66	1
91	PISTON ASSEMBLY-Standard -----	204-9-500	1
	NOTE: Piston Assembly are available in the following over-		
	sizes: .010 -----	206-9-500	
	.020 -----	207-9-500	
	NOTE: Assembly Incl. Ref. Nos. 90, 100 & 101		
92	PLATE-Name (Air Deflector) -----	58-471	1
93	PLATE ASSEMBLY-Back, Blower Housing -----	215-95-500	1
94	PLATE ASSEMBLY-Magneto Stator -----	215-129	1
95	PLUG-3/8-18, Oil Drain -----	216-22	2
96	PLUG-Expansion, Camshaft -----	216-5	2
97	PULLEY-Starter -----	219-18	1
98	RETAINER-Breaker Seal -----	218-38	1
99	RING-Retaining (Governor Control Lever) -----	232-37	1
100	RING-Retainer, Wrist Pin -----	232-42	2
101	RING SET-Standard -----	333-122-500	1
	NOTE: Ring Sets are available in the following oversizes:		
	.010 -----	235-123-500	
	.020 -----	237-123-500	
102	RIVET-Tubular (4-Name Plate, 3-Clamp, Back Plate) -----	244-21	7
103	ROD ASSEMBLY-Connecting -----	245-105-500	1
	Includes Ref. No. 111		
104	ROD-Breaker Push -----	245-16	1
105	ROD-Speed Control Adjusting -----	245-11	1
106	ROPE ASSEMBLY-Starter -----	248-13-500	1
107	SCREW-H. H. C. 5/16-18 x 2 3/8 (Head to Block) -----	258-115	8
108	SCREW-H. H. S. T. 6/32 x 3/8 (1-Condenser & Primary Lead to Points, 1-Coil & Primary Leads to Terminal) -----	258-83	2
109	SCREW-Carriage # 10-24 x 3/4 (Governor Lever) -----	258-65	1
110	SCREW-P. H. S. T. 1/4-20 x 1/4 (Coil Ground, Lamination) -----	258-77	1
111	SCREW-H. H. C. 5/16-18 x 1 3/4 (Connecting Rod Cap) -----	258-88	2
112	SCREW-H. H. S. T. 1/4-20 x 1 1/8 -----	258-75	2
113	SCREW-F. H. 10-32 x 1 1/4 (Air Horn to Carb.) -----	258-171	1
114	SCREW & L'WASHER ASS'Y-H. H. C. 1/4-20 x 3/8 (Fuel Pump Hole Cover) -----	258-241-500	2
115	SCREW & L'WASHER ASS'Y-R. H. M. #8-32 x 3/4 (Breaker Cover) -----	258-293-500	1
116	SCREW & L'WASHER ASS'Y-R. H. M. #8-32 x 1/2 (Breaker Points to Bracket) -----	258-273-500	1

Ref. No.	Description	Part No.	Qty.
117	SCREW & L'WASHER ASS'Y-R. H. M. #8-32 x 3/8 ----- (Breaker Cover to Bracket)	258-41-500	2
118	SCREW & L'WASHER ASS'Y-H. H. C. #8-32 x 1/2 ----- (Breaker Bracket to Block)	258-132-500	2
119	SCREW & L'WASHER ASS'Y-H. H. C. 1/4-20 x 1/2 ----- (Blower Housing to Back Plate)	258-280-500	5
120	SCREW & L'WASHER ASS'Y-H. H. C. #10-24 x 1/2 ----- (Throttle Rod Bracket to Block)	258-82-500	2
121	SCREW & L'WASHER ASS'Y-H. H. C. 1/4-20 x 1/2 ----- (Speed Control Lever)	258-287-500	1
122	SCREW & L'WASHER ASS'Y-H. H. C. 1/4-20 x 5/8 ----- (2-Tank Bracket to Block) (1-Fuel Line Clamp)	258-232-500	3
123	SCREW & L'WASHER ASS'Y-H. H. C. 1/4-20 x 2 3/8 ----- (Valve Chamber Cover)	258-62-500	1
124	SCREW & L'WASHER ASS'Y-H. H. C. 1/4-28 x 1/2 ----- (Back Plate to Block)	258-67-500	3
125	SCREW & L'WASHER ASS'Y-H. H. C. 1/4-28 x 5/8 ----- (Stator Plate to Block)	258-282-500	4
126	SCREW & L'WASHER ASS'Y-H. H. C. 1/4-28 x 1 1/4 ----- (Tank Strap to Bracket)	258-254-500	2
127	SCREW & L'WASHER ASS'Y-H. H. C. 3/8-16 x 1 1/4 ----- (Block to Base)	258-258-500	4
128	SCREW & L'WASHER ASS'Y-H. H. C. 5/16-18 x 3/4 ----- (4-P.T.O. Flange to Block) (2-Carburetor to Manifold)	258-227-500	6
129	SCREW & L'WASHER ASS'Y-H. H. C. 5/16-18 x 7/8 ----- (Manifold to Block)	258-281-500	2
130	SCREW & L'WASHER ASS'Y-R. H. M. #10-32 x 3/8 ----- (Deflector to Block)	258-198-500	2
131	SCREW & L'WASHER ASS'Y-H. H. C. 5/16-18 x 5/8 ----- (Pulley to Flywheel)	258-220-500	2
132	SEAL-Breaker Actuating Arm -----	94-155	1
133	SEAL-Oil, (1-Stator Plate, 1-P.T.O. Flange) -----	94-182-990	2
134	SPACER-Breather -----	304-259	1
135	SPACER-Governor Control Lever -----	304-72	1
136	SPARK PLUG & GASKET ASSEMBLY -----	267-28-500	1
137	SPRING-Governor -----	263-40	1
138	SPRING-Ignition Shift Weight -----	263-77	2
139	SPRING-Valve -----	263-88	2
140	SPRING-Compression (Breaker Rod) -----	263-163	1
141	STOP & SHAFT ASSEMBLY-Governor -----	109-10-500	1
142	STRAP-Fuel Tank -----	26-210	2
143	STUD-Air Cleaner -----	24-15	1
144	TANK ASSEMBLY-Fuel -----	277-67-500	1
145	TAPPET-Valve -----	278-7	2
146	THIMBLE-Governor -----	109-9	1
147	VALVE-Breather -----	293-12	1
148	VALVE-Exhaust -----	291-10-990	1
149	VALVE-Intake -----	291-12-990	1
150	VALVE & FILTER ASSEMBLY-Fuel Shut-Off -----	293-32-500	1
151	WASHER-Valve Spring Retaining -----	304-168	2
152	WASHER-Condenser to Bracket -----	304-121	1
153	WEIGHT-Ignition Shift -----	305-20-500	1
154	WEIGHT-Ignition Shift -----	305-21-500	1
155	WIRE ASSEMBLY-Breaker Points -----	307-126-500	1

#### SPECIFICATIONS

BORE----- 2-13/16"  
 STROKE----- 2-5/8"  
 CU. IN. DISP. ---- 16.3  
 SPARK PLUG GAP .025

CARBURETION----- Float  
 FLOAT SETTING----- 1/4"  
 POINT SETTING----- .028

OIL CAPACITY -----3 pt.  
 HORSEPOWER----- 6.3  
 BLOCK----- Cast Iron  
 BEARINGS----- Roller





# MODEL VARIATIONS

## 414-1301-005

FILE SEC. II DIVISION 1962  
414-1301-005  
MODEL VARIATIONS  
ISSUED MARCH 1964

The adaptation of Clinton Engines to a wide variety of uses, results in what is known as Model Variations. Following is a list of Models produced to date. Opposite each Engine Model listed are the Part Numbers required in addition to or in place of standard parts. Refer to Basic Parts List for parts not listed in the Model Variations.

See Page C of this Manual on "How to Identify your Clinton Engine."

MODELS	CRANKSHAFT Ref. to Sec. IV Div. B	NOTES	MISCELLANEOUS INFORMATION	MODELS	CRANKSHAFT Ref. to Sec. IV Div. B	NOTES	MISCELLANEOUS INFORMATION
414-1321-002	46-794	1	Use 200-811, 2:1 Speed Reducer.	414-1301-030	2, 12		
414-1341-003	46-792	1	Use 200-813, 4:1 Speed Reducer.				
414-1361-004	46-792	1	Use 200-815, 6:1 Speed Reducer.				
414-1301-005			STANDARD ENGINE.				
414-1301-006	46-322						
414-1301-007	46-324						
414-1301-008	46-323						
414-1301-009		2					
414-1361-010	46-792	1, 2	Use 200-815, 6:1 Speed Reducer.				
414-1361-011	46-792	1	Use 200-815, 6:1 Speed Reducer.				
414-1301-012			STANDARD ENGINE.				
414-1301-013	46-328	3					
414-1301-014	46-322	2					
414-1301-015			STANDARD ENGINE.				
414-1301-016	46-322	2					
414-1301-017			STANDARD ENGINE.				
414-1361-018	46-792	1	Use 200-815, 6:1 Speed Reducer.				
414-0301-019	46-796	2, 4					
414-1321-020	46-794	1, 5	Use 200-811, 2:1 Speed Reducer.				
414-1301-021			STANDARD ENGINE.				
414-0301-022	46-796	2, 4, 6, 7, 8					
414-1301-023	46-323	8					
414-1301-024		5, 7, 9					
414-1361-025	46-792	1, 10, 11	Use 200-815, 6:1 Speed Reducer.				
414-1301-026			STANDARD ENGINE.				
414-1301-027	46-322						
414-1301-028	46-322						
414-1361-029	46-792	1	Use 200-815, 6:1 Speed Reducer.				

### 414 SERIES NOTES

- Note 1 Refer to Sec. III, Div. C for exploded view. Not sold as a complete ass'y, order individual parts.
- Note 2 Use 122-13 Head, 277-65-500 Tank, 69-290 Elbow, 293-10 Valve, 69-290 Elbow 90°, 158-397 Line Fuel, 158-402 Line Fuel, (2) 183-245 Nut Ferrule, 81-157 Clamp Fuel Line, 258-232-500 Screw (Clamp), 45-95-500 Cap & Gasket Ass'y Fuel, and 293-26 Drain.
- Note 3 Use 148-5 Key (Woodruff), 44-5-990 Rockford Clutch Ass'y, (4) 304-32 L'Washer, (4) 258-96 Screw. Refer to Sec. III, Div. M.
- Note 4 Use 215-451-500 Plate Ass'y Blower Housing, 83-102-500 Flywheel, 259-580 Housing Ass'y Blower, 265-208-500 Cap & Screen Ass'y, 304-564 L'Washer, 183-233 Nut, 265-92-500 Rafter Recoil, (4) 183-1-500 Nut & L'Washer.
- Note 5 Use 157-18-500 Crank Ass'y.
- Note 6 Use 39-576-990 Carburetor, 1-47 Flange Adaptor, (2) 94-217 Gasket, (2) 258-755 Screw, 2-5-990 Air Cleaner, (2) 258-443 Screw, (2) 183-119 Nut Wing, 69-290 Elbow, 263-45 Spring, and 159-31 Link.
- Note 7 Use 22-602-500 Block Ass'y, 291-11-990 Valve Exhaust Stellite. Use Standard Exhaust Valve on Intake Side.
- Note 8 Refer to Sec. III, Div. Q for Ignition Shielding.
- Note 9 Use 291-20-500 Roto Cap.
- Note 10 Use 259-118-500 Housing Ass'y Blower.
- Note 11 Use 215-163-500 Plate Ass'y Back, 157-86-500 Lever Ass'y, 258-107 Screw.
- Note 12 Same as Note 2 Except Use 122-11 Head.