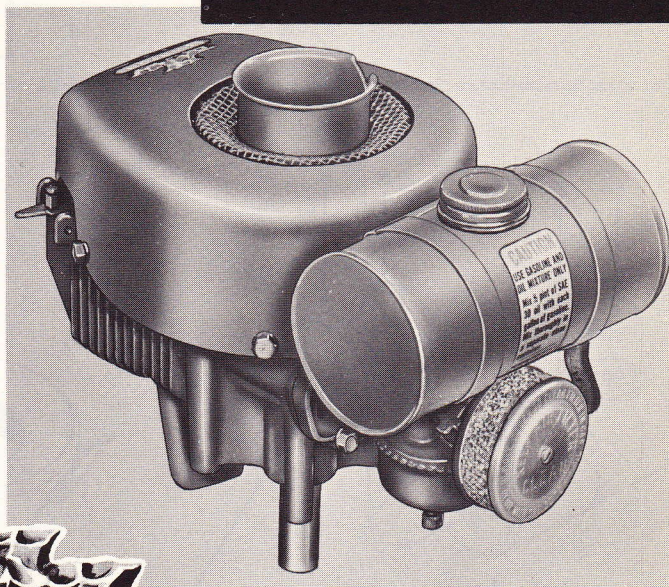
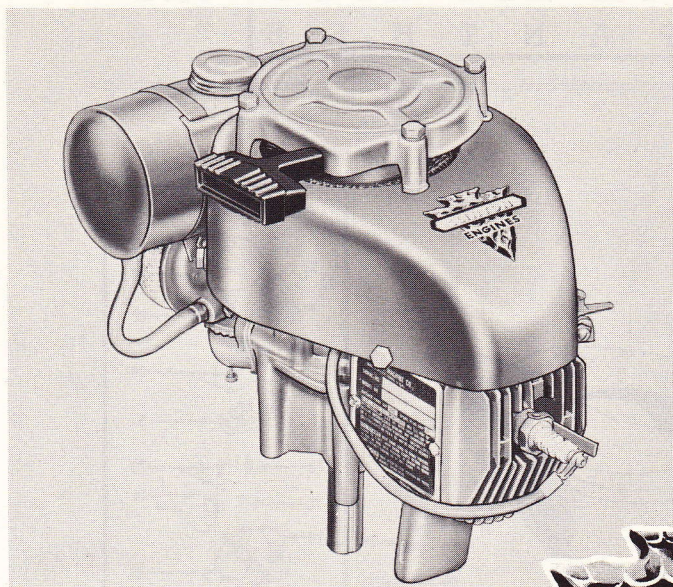


S E R I E S
VS-400-4000
P A N T H E R



A Wide Range of Models are Made By

CLINTON

For Farm, Home and Industrial Use.

ENGINES

VS-400-4000

H.P.	R.P.M.
1.5	2200
1.9	2800
2.5	3800

GENERAL SPECIFICATIONS

Model	Type	Description	Starter	Weight
VS-400-4000	Air-Cooled	Vertical Shaft	Rope	14 lbs.
VS-400-4000	Air-Cooled	Vertical Shaft	Recoil	15½ lbs.

BORE: 2½"

STROKE: 1⅝"

TYPE: Single cylinder, vertical shaft, air-cooled.

AIR-COOLED: Powerful flywheel blower forces strong air blast through deep cooling fins on cylinder and cylinder head to maintain correct operating temperature.

PISTON DISPLACEMENT: 5.76 cu. inches.

IGNITION: Very high voltage, built-in flywheel magneto for faster starting. Moisture and dust proof with fully enclosed ignition points. Positive safety ON-OFF device on spark plug.

SPARK PLUG: 14 mm.

LUBRICATION: Lubricating oil carried in fuel to all moving parts.

CARBURETOR: Full float feed with high speed adjustment.

GOVERNOR: Adjustable pneumatic type.

MAIN BEARINGS: Bronze.

CRANKSHAFT: Ductile iron, has counterweights integral with shaft. Bearing surfaces superfinished.

CONNECTING ROD: I-beam aluminum alloy with bronze crank pin and wrist pin bearings.

PISTON: Aluminum alloy, Clinton-engineered for efficient combustion.

PISTON RINGS: Two compression rings.

CYLINDER AND CRANKCASE: One-piece die cast cylinder block and crankcase with large amount of cooling area for cool operation. A close-grained cast iron liner is die cast in block.

CYLINDER HEAD: Integral with cylinder casting.

AIR CLEANER: Metallic mesh dry type.

FUEL TANK: One-quart capacity.

DIRECTION OF ROTATION: Counter-clockwise, viewed from power take-off shaft side.

FINISH: Red heat-resisting enamel. Other colors available upon request.

STANDARD EQUIPMENT

Standard equipment includes: Cast iron cylinder liner, replaceable bearing, air cleaner, specially designed dust and moisture-proof high voltage flywheel magneto, fuel tank, splash-proof gas tank cap, muffler, blower housing screen, rope starter. Safety stop device, remote throttle cable mounting.

SPECIAL EQUIPMENT

Special equipment includes: Remote throttle cable and controls, recoil starter, shorting terminal for remote stop hookup, 8-inch circle mounting adapter plate, deluxe muffler, special paint finishes, resistor spark plug, special crankshaft extensions, gas tank shroud, impulse starter. (Quotations available on request.)



WORLD'S LARGEST MANUFACTURER OF A COMPLETE LINE OF AIR-COOLED GASOLINE ENGINES

CLINTON ENGINES PROVIDE POWER

FOR FARM • HOME • INDUSTRIAL EQUIPMENT

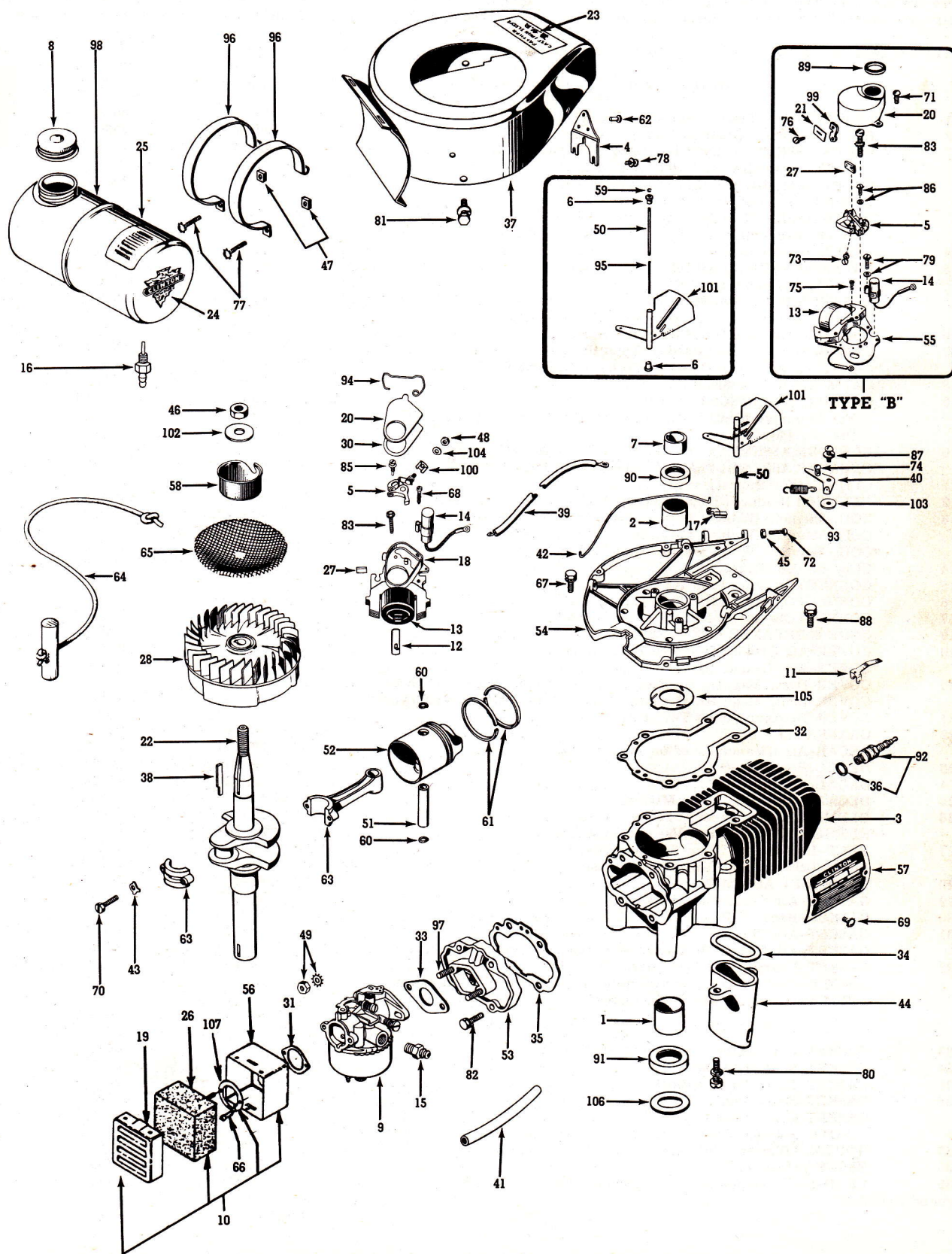
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S E R I E S VS-400-4000 P A N T H E R

BASIC
TYPE

SEC. II, DIV. VS-400-4000
PARTS CATALOG
Revised May, 1961
Supersedes Dec., 1959



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MAQUOKETA, IOWA

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PARTS CATALOG
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Supersedes Dec., 1959

S E R I E S
VS-400-4000
P A N T H E R

BASIC
TYPE

CLINTON

There are six Basic Types of the VS400-4000 Engine covered by this basic Parts List. Parts not used on all types are noted. 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	BEARING-Main Sleeve (Block Assembly).....	20-50	9016	1	
2	BEARING-Sleeve (Bearing Plate).....	20-40	2059	1	
3	BLOCK ASSEMBLY-Cylinder (Used on Types A & B)	22-57	2472	1	
	NOTE: Assembly incl. Ref. Nos. 1 & 91				
	BLOCK ASSEMBLY-Cylinder (Used on Types C, D&E)	22-61-5	2484-A	1	
	NOTE: Assembly incl. Ref. Nos. 1 & 91				
	*BLOCK ASSEMBLY-Cylinder (Used on Type F)	22-767		1	
	NOTE: Assembly incl. Ref. Nos. 1 & 91				
4	BRACE-Blower Housing	26-142	2127	1	
5	BREAKER POINTS ASSEMBLY-Used on Type B	P135-130-5	P5543	1	
	NOTE: Assembly incl. Ref. Nos. 27, 73 & 86.				
	BREAKER POINTS ASSEMBLY-Used on Types A, C, D, E&F	P135-7-5	P5735	1	
	NOTE: Assembly incl. Ref. Nos. 27, 48, 85 and 104				
6	BUSHING-Air Vane (Used on Types A, B&C).....	28-1	7239	2	
7	CAM-Breaker Points (Used on Type B).....	P157-24	P5594	1	
	CAM-Breaker Points (Used on Types A, C, D, E&F).....	157-29	5751	1	
8	CAP & GASKET ASSEMBLY-Fuel	45-89-5	4517-A	1	
9	CARBURETOR ASSEMBLY-Clinton	P39-136-5	P14069	1	
	For Complete Identification of Carburetors, refer to Sec. III, Div. A, Page 2.				
10	CLEANER ASSEMBLY-Air (Used on Types A, B, C, & D)	2-103-5	91195	1	
	*CLEANER ASSEMBLY-Air (Used on Types E & F)	149-477	92101	1	
11	CLIP-Ignition Shorting	266-28	3499	1	
12	CLIP-Coil Holding (Used on Types A, C, D, E&F)	P81-20	P5734	1	
13	COIL-Magneto (Without Laminations)(Used on Type B).....	P135-23-5	P5593-A	1	
	COIL-Magneto (Without Laminations)(Used on Types A, C, & D);	P135-215	P5733-A	1	
	*COIL-Magneto (With Laminations)(Used on Type E & F)	P135-13-5	P5770	1	
14	CONDENSER-Magneto	P135-29-5	P5589-A	1	
15	CONNECTOR-Fuel Line (Carburetor)	69-5	5053	1	
16	CONNECTOR-Fuel Line (Tank)	69-6	5055	1	
17	CONNECTOR-Governor Link to Air Vane	69-4	2226	1	
18	CORE & BREAKER BOX ASSEMBLY-Used on Types A, C, D, E&F	P135-37-5	P5732	1	
19	COVER-Air Cleaner (Used on Types A, B, C, & D).....	45-116	2130	1	
	*COVER-Air Cleaner (Used on Type E & F).....	45-338	91807	1	
20	COVER-Dust, Magneto Breaker Points (Used on Types A, C, D, E&F)	P45-15	P5743	1	
	COVER-Dust, Magneto, Breaker Points, (With Seal)(Used on Type B).....	P45-48-5	P5595-A	1	
21	COVER-Breaker Points Terminal (Used on Type B)	P259-263	P5714	1	
22	CRANKSHAFT	46-35	2370-1	1	
	*DECAL-Air Cleaner (Used on Type E & F)	58-349	91767	1	
23	DECAL-Horsepower	58-80	90573	2	
24	DECAL-Arrowhead	58-25	90559	1	
25	DECAL-Instruction, Fuel Mixture	58-50	2098	1	
26	ELEMENT-Air Cleaner (Used on Types A, B, C, & D).....	2-33	2132	1	
	*ELEMENT-Air Cleaner (Used on Type E & F).....	21-141-99	91792	1	
27	FELT-Lubrication, Cam Follower (Used on Type B).....	P135-41	P5504	1	
	FELT-Lubrication, Cam Follower(Used on Type A, C, D, E&F)	P94-189	P5752	1	
28	FLYWHEEL ASSEMBLY	83-12-5	5753-A	1	
29	GASKET-Air Cleaner to Mounting Plate (Used on A, B, C&D).....	94-10	21056	1	
30	GASKET-Breaker Points Cover (Used on Types A, C, D, E&F).....	P94-241	P5744	1	
31	GASKET-Air Cleaner to Carburetor (Used on Types A, B, C, & D)	94-13	31445	1	
	*GASKET-Air Cleaner to Carburetor (Used on Type E & F).....	94-458	92098	1	
32	GASKET-Bearing Plate (Standard .030 thick)	94-105	2039	1	
	NOTE: Gaskets are also available in the following thicknesses: IBM Part Number Oversize Listed				
		.025	93-105	2039 (.025)	1
		.035	95-105	2039 (.035)	1
33	GASKET-Carburetor to Reed Plate	94-30	2096	1	
34	GASKET-Muffler to Block	94-73	2069	1	
35	GASKET-Reed Plate to Block	94-87	2344	1	
36	GASKET-Spark Plug	94-90	3115	1	
	GASKET KIT-Engine Overhaul	149-363	91558	1	
	NOTE: Kit contains all necessary Gaskets and Bearing Plate Oil Seal.				
37	HOUSING-Blower and Bracket Assembly	259-158-5	90587-F	1	
38	KEY-Flywheel	148-4	10339	1	
39	LEAD-High Tension Magneto (Used on Types A, B, C, & D).....	P307-187	P2055	1	

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S	E	R	I	E	S	
VS-400-4000						
P	A	N	T	H	E	R

**BASIC
TYPE****SEC. II, DIV. VS-400-4000
PARTS CATALOG**
Revised May, 1961
Supersedes Dec., 1959

40	*LEAD-High Tension Magneto (Used on Type E)	P307-195-99	P90762	1
41	LEVER AND SCREW ASSEMBLY-Throttle Control	157-126-5	2043-B	1
42	LINE-Fuel (Flexible)	158-25	6316	1
43	LINK-Air Governor	159-17	90569	1
	LOCK-Connecting Rod Cap	304-10	2027	2
	MAGNETO ASSEMBLY-Used on Types A, C, D)	P268-4-5	P5731	1
	NOTE: Assembly includes Ref. Nos. 5, 12, 13, 14, 18, 20, 27, 30, 48, 68, 83, 85, 94, 100 and 104.			
	MAGNETO ASSEMBLY-Used on Type E & F)	P268-17-5	P91740	1
	NOTE: Assembly includes Ref. Nos. 5, 12, 13, 14, 18, 20, 27, 30, 48, 68, 83, 85, 94, 100 and 104.			
44	MUFFLER	170-15	2082	1
45	NUT-Hexagon, 8-32 (Speed Control Adjusting)	183-26	5522	1
46	NUT-Hexagon, 1/2-20 (Starter Pulley)	183-68-99	5942	1
47	NUT-Fuel Tank Straps	183-53	3253	2
48	NUT-Terminal, Condenser Lead (Used on Types A, C, D, E & F)	P183-21	P5740	1
49	NUT & L'WASHER ASS'Y-Carburetor to Reed Plate	183-29-5	3255-A	2
50	PIN-Pivot, Air Vane (Used on Types A, B & C)	203-32	7238	1
	*PIN-Pivot, Air Vane (Used on Types D, E & F)	203-91	90982	1
51	PIN Wrist	203-61	2428	1
52	PISTON ASSEMBLY-Standard (Used on Types A, B, C, D & E)	204-14-5	90364-A	1
	NOTE: Piston and Piston Assemblies are available in the following oversizes: .010 and .020. Order by Part Number and specify .010 or .020.	206-14-5	90364-A (.010)	
	NOTE: Piston Assembly includes Ref. Nos. 51, 60 & 61.	207-14-5	90364-A (.020)	
	PISTON ASSEMBLY-Standard (Used on Type F)	204-77-50		
	NOTE: Piston Assemblies are available in the following oversizes: .010 and .020. Order by Part Number and specify .010 or .020.	206-77		
	NOTE: Piston Assembly includes Ref. Nos. 51, 60 & 61.	207-77		
53	PLATE-Reed Valve Assembly (Incl. Reed Valves and Stops)	215-111-5	90467-A	1
54	PLATE-Bearing	215-22-5	2312-A	1
	NOTE: Bearing Plate includes Ref. Nos. 2 & 90.			
55	PLATE ASSEMBLY-Magneto with Coil and Laminations (Used on Type B)	P215-171-5	P5590-B	1
56	PLATE ASSEMBLY-Air Cleaner Mounting (Used on Types A, B, C, & D)	215-7-5	21055-A	1
	*PLATE-Air Cleaner Mounting (Used on Type E & F)	2-138	91806	1
57	PLATE-Name	583-114	2363	1
58	PULLEY-Starter	219-17	12397	1
59	RETAINER-Air Vane (Used on Types A, B, & C)	232-5	4430	1
60	RETAINER-Wrist Pin	232-40	3030	2
61	RING SET-Piston, Standard	149-108	2486	1
	NOTE: Ring Sets are also available in the following oversizes: .010 and .020. Order by Part Number and specify oversize.	149-443	2486 (.010)	
		149-444	2486 (.020)	
62	RIVET-Tubular (Brace to Housing)	244-21	5460	3
63	ROD ASSEMBLY-Connecting	245-19-5	2422-A	1
64	ROPE ASSEMBLY-Starting	246-13-5	4266	1
65	SCREEN-Rotating	257-25	90092	1
66	SCREW-H. H. C., 8-32x7/16 (Air Cleaner Mounting)	258-131	5812	2
67	SCREW-H. H. C., 1/4-20x3/4 (Bearing Plate to Block)	258-43	5446	6
68	SCREW-R. H. S. T., 16-32x13/16 (Condenser to Plate)	P258-299	P5741	1
	(Used on Types A, C, D, E & F)			
69	SCREW-H. H. S. T., 8-32x3/8 (Name Plate to Block)	258-81	5644	2
70	SCREW-H. H. S. T., 10-24x3/4 (Connecting Rod Cap)	258-29	5429	2
71	SCREW-R. H. S. T., 6-32x3/8 (Breaker Cover to Bearing Plate)(Used on Type B)	258-95	5664	2
72	SCREW-R. H. M., 8-32x7/8 (Speed Control Adjusting)	258-199	3240	1
73	SCREW-R. H. M., 6-32x1/4 (Breaker Points Terminal)(Used on Type B)	258-95	5664	1
74	SCREW-H. H. M., 8-32x1/4 (Throttle Lever)	258-107	5681	1
75	SCREW-R. H. S. T., 4-40x1/4 (Coil to Laminations)(Used on Type B)	258-77	5641	1
76	SCREW-R. H. M., 6-32x1/4 (Wires to Breaker Points Terminal)	258-189	7143	1
	(Used on Type B)			
77	SCREW & L'WASHER ASS'Y-R. H. M., 10-24x1 (Fuel Tank Straps)	258-26-5	5421-A	2
78	SCREW & L'WASHER ASS'Y-R. H. S. T., 8-32x1/2 (Brace to Block)	258-40-5	5443-A	3
79	SCREW & L'WASHER ASS'Y-F. H. M., 8-32x5/8 (Used on Type B)	258-262-5	5674-F	1
	(Condenser to Bearing Plate)			
80	SCREW & L'WASHER ASS'Y-F. H. M., 1/4-20x3/4 (Muffler to Block)	258-263-5	5679-G	2
81	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x1/2	258-280-5	3205-G	4
	(Blower Housing to Plate)			
82	SCREW & L'WASHER ASS'Y-H. H. C., 1/4-20x7/8 (Reed Plate to Block)	258-284-5	3294-G	4
83	SCREW & L'WASHER ASS'Y-R. H. S. T., 10-24x1	258-108-5	5682-A	2
	(Magneto Plate to Bearing Plate)			
84	SCREW & L'WASHER ASS'Y-R. H. S. T., 8-32x3/8 (Air Cleaner Cover to Mounting Plate)(Used on A, B, C, D)	258-47-5	5457-A	1

SEC. II, DIV. VS-400-4000
PARTS CATALOG
Revised May, 1961
Supersedes Dec., 1959

S E R I E S
VS-400-4000
P A N T H E R

BASIC
TYPE

CLINTON

85	SCREW & L'WASHER ASS'Y-Breaker Points to Breaker Box	P258-297-5	P5737	1
	(Used on Types A, C, D, E&F)			
86	SCREW & L'WASHER ASS'Y-R. H. M., 8-32x1/3 (Breaker Points to	258-237-5	5409-E	1
	Breaker Plate)(Used on Type B)			
87	SCREW & L'WASHER ASS'Y-R. H. S. T., 8-32x1/2(Speed Control Lever)...	258-247-5	5443-D	1
89	SEAL-Breaker Points Cover (Used on Type B)	94-156	5596	1
90	SEAL-Oil (Bearing Plate)	94-175	7254	1
91	SEAL-Oil (Power Take-Off)	94-172	4429	1
92	SPARK PLUG & GASKET ASSEMBLY-Used on Types A&B(H-11).....	K267-31-5	K2168-A	1
	SPARK PLUG & GASKET ASSEMBLY-Used on Types C, D, E&F (J-12-J)..	K267-18-5	K90617-A	1
93	SPRING-Air Governor	263-5	2448	1
94	SPRING-Breaker Box Cover (Used on Types A, C, D, E&F).....	P263-10	P5745	1
95	SPRING-Compression (Air Vane)(Used on Types A, B&C)	263-28	10005	1
96	STRAP-Fuel Tank	26-168	90455	2
97	STUD-Carburetor Mounting	24-18	90422	2
98	TANK ASSEMBLY-Fuel (Includes Ref. No. 8)	277-3-5	7461-A	1
99	TERMINAL-Breaker Points (Used on Type B)	307-79	5713	1
100	TERMINAL-Jamtite Breaker Points (Used on Types A, C, D, E&F)	P307-203	P5738	1
101	VANE & LEVER ASSEMBLY-Air Governor (Used on Types A, B&C).....	107-6	2323	1
	*VANE & LEVER ASSEMBLY-Air Governor (Used on Types D, E&F).....	107-28	90983	1
102	WASHER-Lock (Starter Pulley).....	304-132	5941	1
103	WASHER-Spring Tension (Throttle Control)	304-141	2077	1
104	WASHER-Terminal Condenser Lead (Used on Types A, C, D, E&F).....	P304-290	P5739	1
105	WASHER-Thrust (Crankshaft)	304-149	2026	1
106	WASHER-Oil Seal Protector	218-3	4558	1
107	WASHER-Air Cleaner (Used on Type E & F)	304-562	92024	1

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

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S E R I E S
VS-400-4000
P A N T H E R

**MODEL
VARIATIONS**

SEC. II, DIV. VS-400-4000
PARTS CATALOG
 Revised April, 1961
 Supersedes June, 1960

MODEL VARIATIONS OF VS-400-4000 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 page three).		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.	
VS-400-4000	NO VARIATION—USE BASIC PARTS LIST																										
VS-400-4100	Note 1																										
VS-400-4102																											
VS-400-4103																											
VS-400-4104	Note 1																										
VS-400-4105	Note 6																										
VS-400-4106	Note 1																										
VS-400-4107	Note 8																										
VS-400-4108	Note 1																										
VS-400-4110	Note 1																										
VS-400-4111	Note 1																										
VS-400-4112	Note 1																										
VS-400-4113																											
VS-400-4114	Note 1																										
VS-400-4115																											
VS-400-4116	Note 2																										
VS-400-4117	Notes 1 & 3																										
VS-400-4118	Note 1																										
VS-400-4119	Note 1																										
VS-400-4120	Note 1																										
VS-400-4122	Notes 1 & 2																										
VS-400-4123	Notes 1 & 2																										
VS-400-4124	Note 4																										
VS-400-4126	Note 5																										
VS-400-4128	NO VARIATION—USE BASIC PARTS LIST																										
VS-400-4129																											
VS-400-4130	Note 1																										
VS-400-4131	Notes 1 & 8																										
VS-400-4132	Note 1																										
VS-400-4133																											
VS-400-4134	Notes 1 & 9																										
VS-400-4135	Notes 2 & 9																										
VS-400-4136	Note 9																										
VS-400-4137	Note 1																										
VS-400-4139	Note 1																										
VS-400-4140	Notes 1,2,7,8,10																										
VS-400-4141	Notes 1, 7, 8																										
VS-400-4142	Notes 1 & 2																										
VS-400-4143	Notes 7 & 8																										
VS-400-4144	Note 8																										

CLINTON

S E R I E S
VS-400-4000
P A N T H E R

**MODEL
VARIATIONS**

MODEL VARIATIONS OF VS-400-4000 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
VS-400-4145										P90996	90587-A		
VS-400-4146	Notes 2, 7, 11								2220-A-R	P90996	90587-A		
VS-400-4147	Notes 1 & 8									P90996	90587-A		
VS-400-4148	Notes 7, 8, 10						72"		2350-E	P90996	90587-A		
VS-400-4150				2380-1						P90996	90587-A		
VS-400-4151	Notes 1, 2, 10								2220-A	P90996	90587-A		
VS-400-4152	Note 8									P90996	90587-A		
VS-400-4153	Notes 2, 7, 8, 10						72"		2350-B				
VS-400-4154	Notes 7, 8, 10						72"		2350-E	P90996	90587-A		
VS-400-4155	Note 1												
VS-400-4156	Notes 2 & 7								2220-A	P90996	90587-A		
VS-400-4157	Notes 2, 7, 11								2220-A-R	P90996	90587-A		
VS-400-4158							72"						
VS-400-4159	Notes 1, 7, 16, 20			2395						P13516	90587-A		
VS-400-4160	Notes 1 & 12									C13534	91113-A		
VS-400-4161	Note 1									P90996	90587-F		
VS-400-4162	Notes 1, 2, 11								2220-A-R	P90996	90587-A		
VS-400-4163	Notes 2, 7, 11								91600-A	P90996	90587-A		
VS-400-4164	Notes 1, 7, 8, 10								2350-F	P90996	90587-A		
VS-400-4165	Notes 2, 7, 8, 10								91600-A	P90996	90587-A		
VS-400-4166	Note 12									C13534	91113-A		
VS-400-4167	Notes 7, 8, 10								2350-E	P90996	90587-A		
VS-400-4168										P90996	90587-A		
VS-400-4169	Notes 1, 2, 7, 8, 11								2220-A-R	P90996	90587-A		
VS-400-4170	Notes 2 & 11								2220-A-R	P90996	90587-A		
VS-400-4171	Notes 2, 7, 8								2350-B	P90996	90587-A		
VS-400-4172	Note 7								91600-A	P90996	90587-A		
VS-400-4174	Note 1									P90996	90587-A		
VS-400-4175	Notes 1, 9, 11						72"		2220-A-R	P90996	90587-A		
VS-400-4176	Notes 9, 11, 12						72"		2220-A-R	C13534	91113-A		
VS-400-4177	Note 7												
VS-400-4178	Note 17			2379-1						P90996	91113-A		
VS-400-4179	Note 1												
VS-400-4180										P90996	90587-A		
VS-400-4181	Notes 13 & 14			2380-1						P90996	90587-A		
VS-400-4182				2380-1									
VS-400-4183	NO VARIATION—USE BASIC PARTS LIST												
VS-400-4185	Notes 13 & 14			2380-1						P90996	90587-A		
VS-400-4186				2371-1									
VS-400-4187				2371-1						P90996	90587-A		
VS-400-4188	Notes 7, 17, 18						72"			P90996	90587-A		
VS-400-4189	Notes 7, 12, 17, 19						72"			C13534	91113-A		
VS-400-4190							72"			P90996	90587-A		
VS-400-4191	Notes 17, 18, 20	22-767		2379-1					92154-A	P90996	90587-A		
VS-400-4192	Note 20	22-767							92154-A	P90996	90587-A		
VS-400-4193	Notes 13, 16, 18, 20	22-767							92154-A	P13516	90587-A		
VS-400-4194	Note 14			2380-1									
VS-400-4195				2260-1									
VS-400-4196				2260-1									
VS-400-4197				2260-1									
VS-400-4198				2260-1						P90996	90587-A		
VS-400-4199	Note 20	22-767							92154-A	P90996	90587-A		
VS-400-4201										P90996	90587-A		
VS-400-4202	Notes 13, 14, 16			2380-1						P13516	90587-A		

CLINTON

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VS-400-4000					
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**MODEL
VARIATIONS**

SEC. II, DIV. VS-400-4000
PARTS CATALOG
Revised April, 1961
Supersedes June, 1960

MODEL VARIATIONS OF VS-400-4000 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
VS-400-4203	Notes 1, 4, 16, 20	22-767							92154-A	P13516	90587-A		
VS-400-4204	NO VARIATION—USE BASIC PARTS LIST												
VS-400-4205	Note 1												
VS-400-4206	Notes 1 & 16			2395						P13516	90587-A		
VS-400-4207	NO VARIATION—USE BASIC PARTS LIST												
VS-400-4208	Notes 1 & 16									P13516	90587-A		
VS-400-4209	Note 14												
VS-400-4210				2296									
VS-400-4211	Notes 1, 16, 18, 20	22-767		2296					92154-A	P13516	90587-A		
VS-400-4212	Notes 1 & 16			2296						P13516	90587-A		
VS-400-4213	Note 1			2296									
VS-400-4214	Note 1												
VS-400-4216	Notes 2, 5, 6, 16									P13516	90587-A		
VS-400-4218	Notes 2, 16, 18			2395						P13516	90587-A		
VS-400-4219	Note 16			2296						P13516	90587-A		
VS-400-4220	Notes 1, 16, 18			2395						P13516	90587-A		
VS-400-4221	Notes 16 & 20	22-767		2376-1					92154-A	P13516	90587-A		
VS-400-4222	NO VARIATION—USE BASIC PARTS LIST												
VS-400-4223	Notes 7, 16, 20	22-767							92154-A	P13516	90587-A		
VS-400-4224	Notes 5, 16, 20	22-767							92154-A	P13516	90587-A		
VS-400-4225	Notes 5, 16, 20	22-767							92154-A	P13516	90587-A		
VS-400-4226	Notes 1 & 20	22-767							92154-A				
VS-400-4228	Note 1												
VS-400-4229	Notes 1 & 16									P13516	90587-A		
VS-400-4231	NO VARIATION—USE BASIC PARTS LIST												

NOTE 1—Use 2431 Flange, 3217-G Screw & L'Washers (4).

NOTE 2—Use 3410 Clamp and 5644 Screw.

NOTE 3—Use 7461-A Tank, 90455 Strap (2), 3238-A Screw & L'Washer, 3253 Nut.

NOTE 4—Use 12409-A Wire Assembly (Shorting), 5522 Nut, 5644 Screw, 5566 Grommet.

NOTE 5—Use 12409-A Wire Assembly (Shorting), 5522 Nut, 7466 Switch, 4181 Cover (Spark Plug).

NOTE 6—Use 90466-A Manifold Assembly, 90459 Clamp, 90462 Gasket, 90464 Muffler (Right Hand), 90465-A Muffler (Left Hand), 90463 Flange.

NOTE 7—Use 7466 Switch Assembly (Engine Stop), 31484-A Wire Assembly, 5522 Nut.

NOTE 8—Use 5051 Valve (Fuel Shut-Off), 5052 Connector.

NOTE 9—Use 90788-A Cover Assembly (Spark Plug).

NOTE 10—Use 5659 Stud (Muffler) (2), 5498 Washer (2), 3255-A Nut & L'Washer Assembly (2).

NOTE 11—Use 91338 Bracket (Muffler), 5838-A Screw & L'Washer Assembly.

NOTE 12—Use C13534 Impulse Starter, C91116 Cup, 90872 Screen, 4107-A Nut (4). If original position is not required, use 90587-A Housing Assembly. The above listed parts are available in MC91538 Kit.

NOTE 13—Use 5752-A Flywheel.

NOTE 14—Use 3494 Decal.

NOTE 15—Use 3495 Decal.

NOTE 16—Use 90871 Cup, 90872 Screen, 4832 Stud (4), 4107-A Nut (4). These parts and the P13516 Recoil are available in Kit No. P91866.

NOTE 17—Use 5051 Valve (Fuel) and 5052 Elbow.

NOTE 18—Use 90440-A Shroud.

NOTE 19—Use 91200-A Shroud Assembly.

NOTE 20—Use 92107 Bracket (Muffler), and 5682-A Screw and L'Washer Ass'y (Bracket to Muffler).