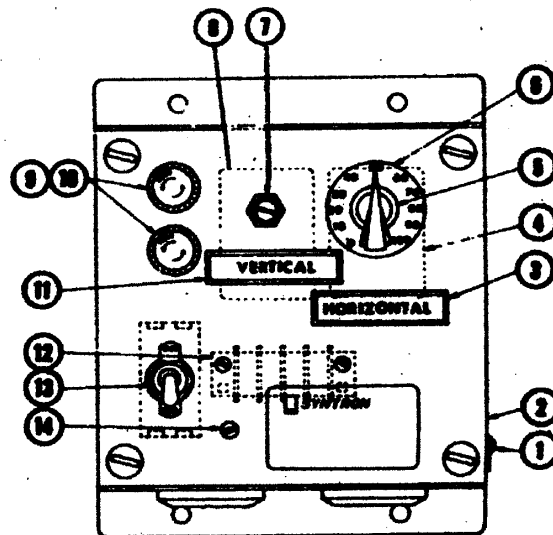


CONTROL INFORMATION, PARTS LIST AND WIRING DIAGRAMS

Vibratory Parts Feeder Drive MODEL VPF - 351

REFER TO HOMER CITY AUTOMATION'S GENERAL INSTRUCTION MANUAL NO. PF-620 FOR INSTALLATION, OPERATION, MAINTENANCE AND TROUBLESHOOTING OF PARTS FEEDERS.

SFC-3A CONTROL ASSEMBLY (115/230V 50/60 Cy)



<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Part No.</u>
1	Ground Terminal	1	A-114838
2	Box Assembly	1	B-113845
3	Horizontal Nameplate	1	B-107437-G2
4	Horizontal Control (115V)	1	B-126874-A
	Horizontal Control (230V)	Only	B-116643-B
5	Control Knob	1	0118X010
6	Graduated Dial	1	A-87522
7	Vertical Adjust. (Locked)	1	-----
8	Vertical Control (115V)	1	B-116781-A
	Vertical Control (230V)	Only	B-116781-B
9	Fuse – 8A 250V (115V)	1	0174X136
	* Fuse – 6A 250V (230V)	2	0174X026
10	* Fuse Holder	*	0038X257
11	Vertical Nameplate	1	B-107437-G1
12	Terminal Block	1	0173X038
13	Switch	1	0051X186
14	Internal Ground	1	-----

* 115V – 1 req'd / 230V – 2 req'd

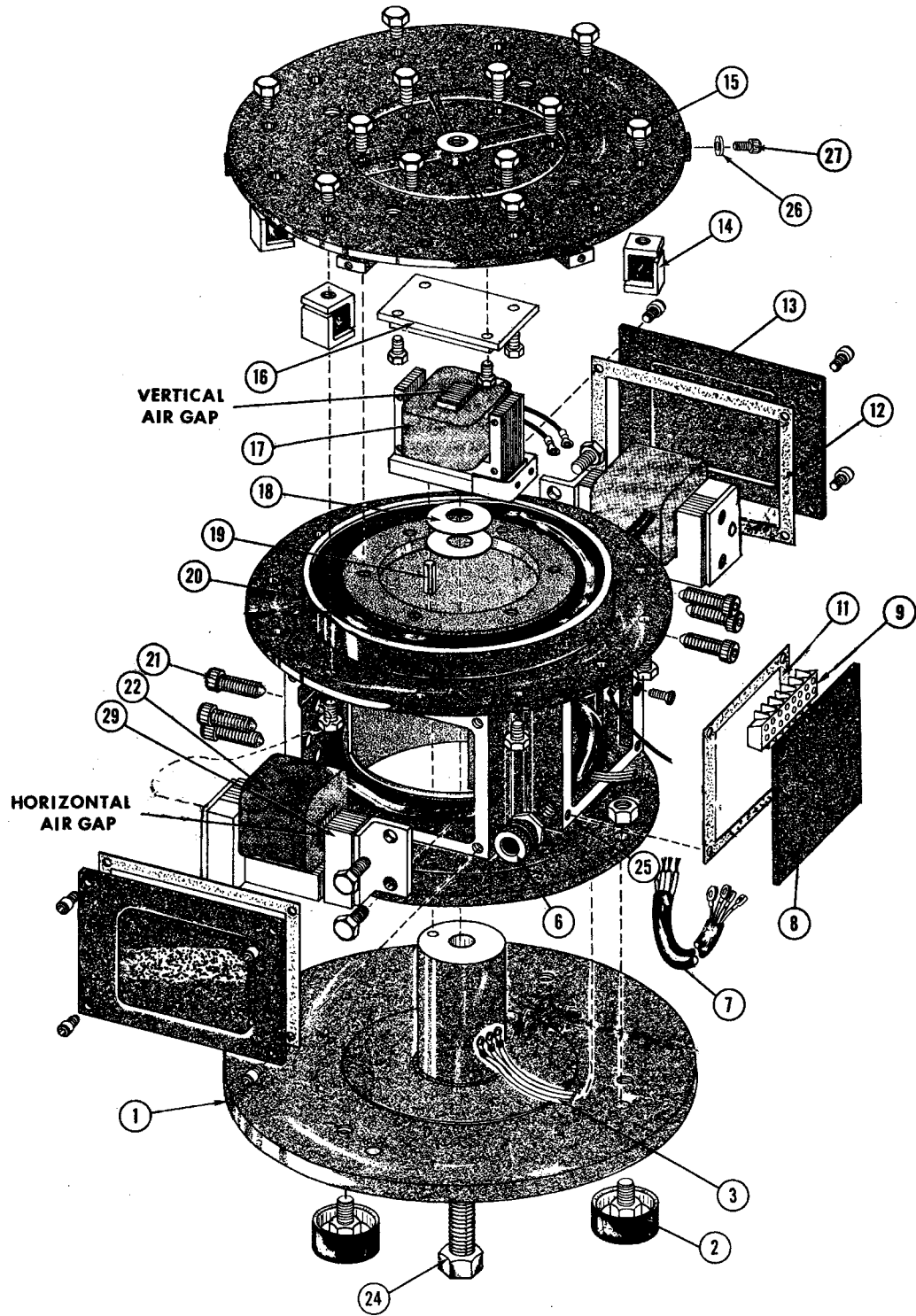
PARTS LIST – MODEL VPF-351 PARTS FEEDER

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Part No.</u>
1	Base Assembly	1	B-120184
2	Rubber Foot	3	0207X034
3	Internal Cable Assembly	1	A-117316
4	Cap Screw, Butt Soc Hd (1/2" – 13 x 2")	—	H0437200
6	Cable Grip	1	0102X002
7	External Cable Assembly	1	A-114080
8	Cover Plate	1	A-120286
9	Terminal Block	1	0173X021
	Terminal Block Mounting Bracket	—	A-158702
11	Control Panel Gasket	1	A-113987
12	Gasket	2	A-114465
13	Core Cover Plate	2	B-113289-A
14	Tuning Spring Block	—	B-159770-B
	Tuning Spring Block (As req'd)	—	B-120181
15	Bowl Mounting Plate	1	C-121737-A
16	Vertical Armature Assembly	1	A-117317
17	Vertical Magnet Assembly (115V/60 Cy) }		B-117310-E
	Vertical Magnet Assembly (230V/60 Cy) }		B-117310-F
	Vertical Magnet Assembly (115V/50 Cy) }	Only	B-117310-C
	Vertical Magnet Assembly (230V/50 Cy) }		B-117310-D
18	Disc Spring	2	0013X115
19	Roll Pin	1	0153X024
20	Body Assembly (60 Cy) }	1	B-117312-A1
	Body Assembly (50 Cy) }	Only	B-117312-B1
20A	Rubber Springs (Bonded to Body)	—	-----
21	Cap Screw, Soc Hd (3/8"-16 x 1-1/2")	6	0028X719
	Plain washer (3/8")	—	A-153269-B
22	Horizontal Magnet Assembly (115V/60 Cy) }		B-113468-A
	Horizontal Magnet Assembly (230V/60 Cy) }		B-113468-B
	Horizontal Magnet Assembly (115V/50 Cy) }	1 Only	B-113468-C
	Horizontal Magnet Assembly (230V/50 Cy) }		B-113468-D
23	Set Screw, Sock Hd (5/16" – 18 x 1-1/4")	—	H0410000
24	Cap Screw, Hex Hd (5/8" – 18 x 4-1/2")	1	H0321101
25	Nameplate	1	A-48808
26	Bowl Clamping Block	6	A-118403
27	Cap Screw, Soc Hd (5/16" – 18 x 3/4")	6	H0418901
28	Base Plate	—	B-117815
29	Horizontal Armature Assembly	2	B-113471

WHEN ORDERING PARTS, PLEASE SPECIFY COMPLETE NAMEPLATE DATA!

MAXIMUM CURRENT RATINGS – VPF-351 PARTS FEEDER

- 7.5 Amperes at 115V/60 Cy Power Supply
- 3.8 Amperes at 230V/60 Cy Power Supply
- 6.6 Amperes at 115V/50 Cy Power Supply
- 3.3 Amperes at 230V/50 Cy Power Supply



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WIRING PROCEDURE

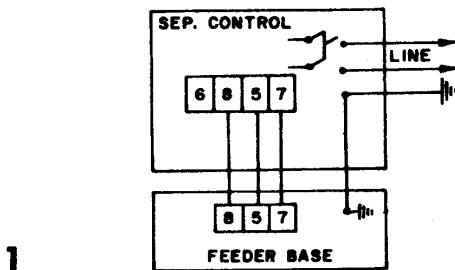


Figure #1 illustrates the wiring connections for a standard separate controller. A 3-conductor line cable is wired directly to the line switch and ground terminal while a 4-conductor load cable is wired between the feeder and controller.

CHANGING THE DIRECTION OF FEED:

To reverse the direction of feed, reverse the leads #6 and #8 on the terminal block. The control leads are to be reversed - not the leads on the magnet side of the terminal block!

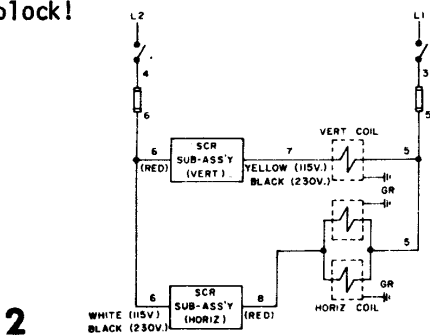


Figure #3 illustrates the standard wiring schematic for the clockwise direction of feed.

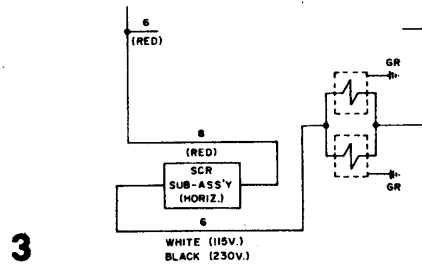


Figure #4 illustrates a partial schematic diagram of the same circuit with the #6 and the #8 leads reversed for counter-clockwise feed.

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