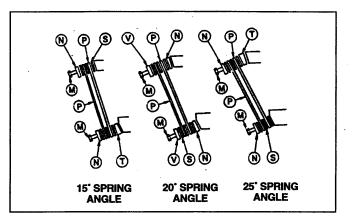


Syntron [®] Vibratory Parts Feeder Drive Model: EB-132-A

SPRING REPLACEMENT = PARTS LIST = SPECIFICATIONS = = = = = = =

Thank you for buying your equipment from Homer City Automation, Inc. This manual will help you to understand how your equipment operates and what is required to maintain peak performance. Please read it thoroughly and keep it on file for reference. Your satisfaction is important to us, so please direct any comments to our Marketing Communications department.

SPRING REPLACEMENT



WARNING: Disconnect the electrical supply at the safety disconnect switch before performing any maintenance work.

NOTE: The EB-132-A Parts Feeder Drive contains four spring stacks. Replace or rebuild only one stack at a time. This permits the remaining stacks to support the upper mass (bowl, cross-arm, and armature).

CAUTION: If a defect is found in one spring, carefully examine all of the spring stacks. Always replace springs with new springs of the same size and thickness.

Proper arrangement of the spring stacks is critical to good feeder operation. Before removing a spring stack, match mark each spring stack at the top and bottom so that the original arrangement can be maintained.

To replace or rebuild the spring stacks, perform the following steps: (Refer to the illustration on page 1)

1. Remove the clamp bolts (**M**), clamp blocks (**V**), wedges (**N**,**T**), spacers (**S**), and leaf springs (**P**).

NOTE: When removing these items, take special note of their location in the stack arrangement. Some special units may have either more or fewer springs, spacers, and/or shims than are shown in the illustration. To avoid premature spring failure, the thickest springs are assembled first on the stack, and the thinnest last.

2. Examine each leaf spring, one at a time, for signs of defects (breaks, hairline fractures, rust, etc.).

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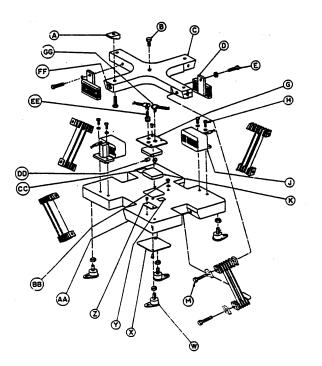
- 3. When rebuilding a spring stack, each spring (**P**) must be isolated by spring spacers (**S**) at both the top and bottom, on both sides of the spring.
- 4. When all the springs, spring spacers, clamp blocks, and wedges are in position and aligned, insert and tighten the top and bottom clamp bolts.
 NOTE: Never oil the spring assemblies. If the spring stacks are repainted, be sure that paint is not applied to the area between the spring clamping surfaces.
- 5. Torque each clamp bolt (**M**) evenly, a little at a time, to the recommended torque of 110 ft lb (149.6 Nm). Used bolts may require a higher torque, not to exceed 125 ft lb (169 Nm).
- 6. Reconnect the electrical supply, and check and readjust the air gap if necessary (refer to the instructions in the EB-A Service Manual, SM0655). Check the current draw to be sure that it does not exceed the rating listed in the specifications chart in this manual.

The unit is now ready for operation.

OPERATING SPECIFICATIONS

		Voltages							
		115/60	208/60	230/60	460/60	575/60	110/50	220/50	380/50
	Recommended	0.077"				0.086"			
RC	Static Air Gap	(1.96 mm)				(2.18 mm)			
	Current Draw	5.9	3.3	3.0	1.5	1.2	5.0	2.5	1.4
	(Amps)								
	Recommended	0.039"			0.044"				
	Static Air Gap		(0.99 mm)			(1.12 mm)			
AC	Current Draw	8.0	4.4	4.0	2.0	1.6	6.9	3.5	2.0
	(Amps)								

Note: Air gaps are given as a starting point and should be adjusted as required to obtain optimum performance.



For identification of Items M to V see the detailed sketch on Page 1.



■ PARTS LIST – VIBRATORY PARTS FEEDER MODEL: EB-132-A

A Cap Screw, Hex Hd, Gr 8 (1/2" – 13 x 2-1/2") 4 H0304509 B • Cap Screw, Hex Hd, Gr 8 (3/8" – 16 x 2") 1 H0322109 C Crossam (CW) 1 D-215401-2 Crossam (CW) 1 Only D-215401-3 D Armature Assembly (CW) 1 D Armature Assembly (CW) 1 Cossam (CM) D Plain Washer (1/2") 2 H0117312 G Top Cable Plate 1 A-183984 Self-Tapping Screw, Hex Hd, Gr 5 (3/8" – 16 x 3/4") 4 H0119367 J • Magnet Assembly (15/K0 Hz) 1 D-215488-L J • Magnet Assembly (15/K0 Hz) 1 D-215488-L • Magnet Assembly (10/K0 Hz) 1 D-215488-L • Magnet Assembly (230/K0 Hz) 1 D-215488-L • Magnet Assembly (230/K0 Hz) 1 D-215488-E <	<u>ltem</u> A	Description ◆ Bowl Clamp	Quantity 4	<u>Part No.</u> B-184013
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v ▲ Clamp Block 4 A-182649-C				
	V		4	A-182649-C

Parts List continued on next page.



Homer City Automation, Inc. 57 Cooper Avenue Homer City, PA 15748 Phone (724)-479-4503 FAX: (724)-479-4767 Email: <u>info@homercityautomation.com</u> Web: <u>www.homercityautomation.com</u>

PARTS LIST - EB 112-A PARTS FEEDER (Cont'd)

<u>ltem</u>	Description	Quantity	Part No.
W	Isolator and Locator Foot	4	B-215361-B
	Hex Jam Nut (1/2" – 13)	4	H0104004
Х	Bottom Cable Plate	2	A-183985-001
	Self-Tapping Screw, Hex Hd (#10 – 32 x 1/2")	2	H0418413
Y	Warning Label	1	A-125694
Z	Nameplate	1	B-221146
AA	Base (CW)] 1	D-215409-2
	Base (CCW)] Only	D-215409-3
BB	Rd Hd Screw, Slotted, Br (#10 – 32 x 1/2")	1	H0203402
	Plain Washer, Br (#10)	1	H0116205
CC	Torque Label	1	A-183986
DD	Connector	4	0202X040
EE	Cable Assembly	1	B-183983-B
	Strain Relief Bushing	1	0230X012
FF	Stroke Gauge	1	A-58462
GG	Strain Relief Bushing, Right Angle	2	0230X013

- ▲ Specify the spring stack angle.
- Specify the bowl type.
- Supply nameplate information.
- Do not remove or paint over safety labels. If safety labels need replaced, contact Homer City Automation, Inc. for an additional supply free of charge.

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