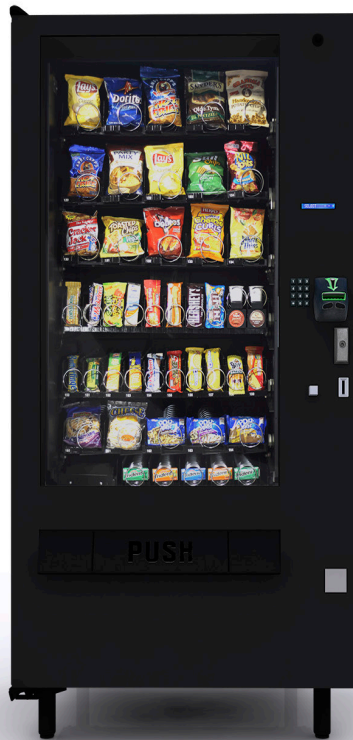


THE REVISION™ DOOR

FOR AP 123

INSTALLATION MANUAL



8700 BROOKPARK ROAD
CLEVELAND, OH 44129

800.321.2311
WWW.VEII.COM

Dear Valued Customer,

Thank you for purchasing the REVISION™ Door. This manual describes how to install the REVISION Door on an AP 123. If ordered, instructions about installing the drop sensor are included.

Please read all instructions thoroughly before installing this kit. If you need any assistance, call 1-800-321-2311.

We appreciate your business and thank you again for making Vendors Exchange® International your choice for innovative vending solutions.



**VENDORS
EXCHANGE**

I N T E R N A T I O N A L

CONTENTS

Kit Contents	2
Tools Required	2
Remove Parts & Prepare For Installation	3-6
Install REVISION™ Door	7-9
Adjust REVISION Door & Prepare For Use.....	10
Kit Contents For Drop Sensor (If Purchased)	11
Tool Required.....	11
Install Drop Sensor	12-15
Appendices.....	16-18
Vendors Exchange® Warranty Information	19

PRECAUTIONARY STATEMENTS

WARNING, **CAUTION** and *NOTICE* statements are used in this installation manual to stress important and critical information. The statements, according to the American National Standards Institute (ANSI), are described below.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

A **NOTICE** statement is used to address practices not related to physical injury.

REVISION™ DOOR CONTENTS

KIT CONTENTS DESCRIPTION

PART NUMBER	DESCRIPTION	QTY
VE1581	Items Tabs	1
VE4653K	1/2" Black Nylon Cable Clamp	1
VE4650K	4-Way Tie Mount	10
VE4601K	6" White Cable Tie	10
VE4849	Energy Saving LED Cling-on Label	1
VE5800	UCB™ Programming Instructions Guide	1
VE5876	Refund Label Cling-on Label	1
VE6801R	Cash Box with Installed Wing Handle Cam Latch (VE6831)	1
VE6801O	Hinge Shim Plate	1
VE6801P	Mounting Nut Plate Top	1
VE6801Q	Mounting Nut Plate Bottom	1
VE6836	1/4"-20 X 7/8" Flat Head Socket Cap (Hex) Screw	4
VE7373K	#8-18 X 1/2" Self Tap Screw	6
VE8714	5/16"-18 X 3/8" Hex Head Cap Screw	1
VE8714A	5/16" External Tooth Lock Washer	1
VE8718A	1/2" Brass Washer	2
VE8739	Inner Panel (Inner Filler Bar)	1
VE8744	Top Hinge	1
VE8745	Bottom Hinge	1
VE8323	Installation Manual	1

TOOLS REQUIRED

- 11/32" Hex Key
- Crescent Wrench
- Phillips Screwdriver
- Flat Head Screwdriver
- Needle Nose Pliers
- 1/4" Nut Driver
- Standard Socket Set
- Flashlight
- Wire Cutter

NOTE: Some images are for illustrative purposes only and are not specific to the REVISION Door for AP 123.

QUESTIONS?

Contact the Vendors Exchange® Customer Service Team
at
800.321.2311

REMOVE PARTS & PREPARE FOR INSTALLATION

NOTICE

Test machine for proper operation before proceeding with installation.

! WARNING

To prevent personal injury and equipment damage, turn machine off and disconnect electrical cord from the wall outlet before installing door. Failure to do so could result in electrical shock.

! WARNING

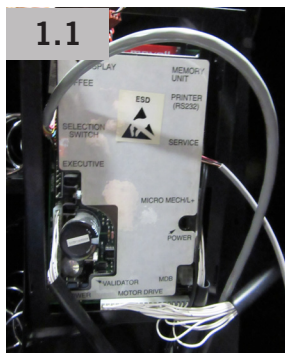
Do not remove trays from cabinet. The cabinet could become unsteady and result in damage or personal injury.

! CAUTION

To avoid potential injury, it is highly recommended that installation of the REVISION™ Door is completed with two persons.

- 1.1 Unplug all harnesses from existing control board. Then, remove control board cover by unfastening phillips screw at the top, right edge of cover and lifting up and forward. Discard cover and screw (**FIG. 1.1**).

NOTE: The swing panel on which the existing control board and other components are located will be removed in a later step.



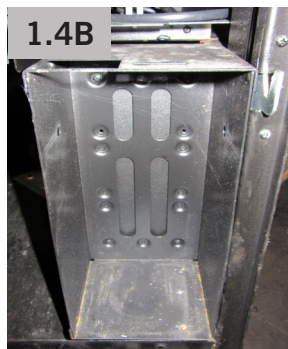
- 1.2 If present, remove validator and coin mech. If they are MDB, set them aside for future reinstallation.

- 1.3 Unfasten two screws at top of delivery bucket (**FIG. 1.3A**) and bottom of delivery bucket (**FIG. 1.3B**) on left and right side. Set delivery bucket and screws aside for future installation on REVISION Door.



REMOVE PARTS & PREPARE FOR INSTALLATION

- 1.4 Remove cash box and unfasten cash box mounting assembly from lower right side of cabinet and discard (**FIGS. 1.4A, B**).



- 1.5 Uninstall door stop arm from inside factory door. Leave other end of door stop arm in machine cabinet. Set fasteners aside for future use (**FIG. 1.5**).



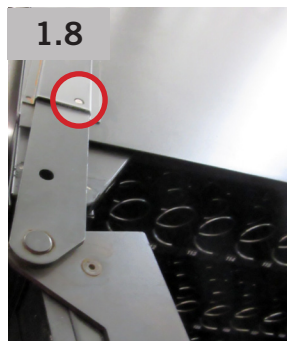
- 1.6 Remove cabinet main harness from factory door and if present, disconnect ground wire.

- 1.7 Loosen top screw only of ballast filler panel (**FIG. 1.7**) on inside of machine to access top bracket fastener.



REMOVE PARTS & PREPARE FOR INSTALLATION

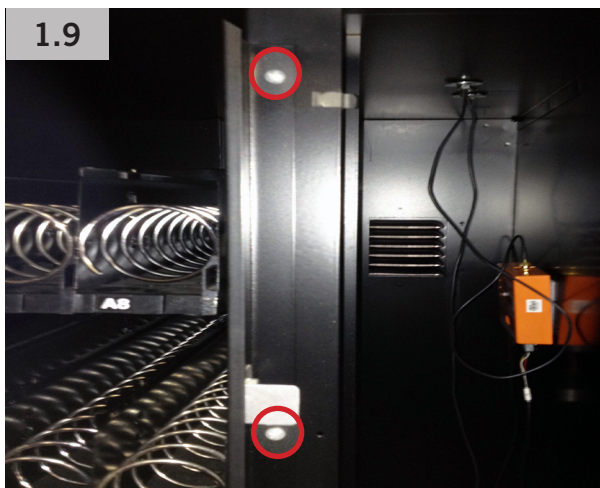
- 1.8 Uninstall top bracket assembly by removing bolt from under ballast filler panel (**FIG. 1.8**) and sliding bracket out of housing.



CAUTION

To avoid personal injury, make sure that factory door is supported. Then, lift door up from the bottom and remove it from the machine.

- 1.9 From inside machine cabinet, unfasten *all* inner panel screws and retain for use in Step 2.5. Two screws are shown in **FIG. 1.9**. Then, remove panel from cabinet.



- 1.10 Slide top hinge (kit item) into housing on top of cabinet (**FIG. 1.10**). Next, install bolt with star washer (kit items) on inside of ballast filler panel to secure hinge. Then, remount and tighten ballast filler screw that was loosened in Step 1.7.



REMOVE PARTS & PREPARE FOR INSTALLATION

NOTE: It is highly recommended to use thin two-sided tape when mounting the shim to the top hinge.

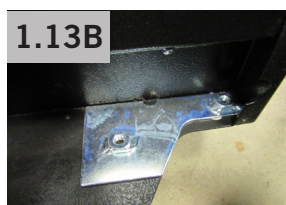
- 1.11 Position and align shim with holes on top hinge (**FIG. 1.11**). Press shim firmly against bottom of top hinge if using two-sided tape.



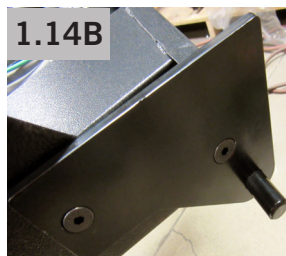
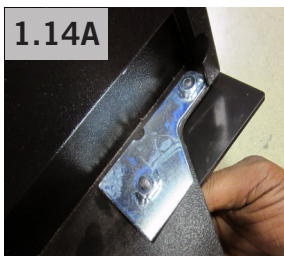
- 1.12 Unfasten original bottom bracket from cabinet and install new bottom bracket (kit item) in same location as shown in **FIG. 1.12**.



- 1.13 Align bottom mounting nut plate (kit item) over holes in lower right corner of REVISION™ Door (**FIGS. 1.13 A, B**).

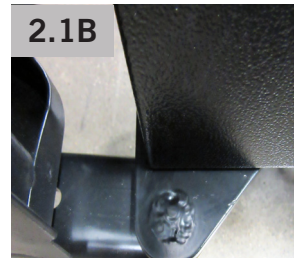


- 1.14 Install bottom hinge (kit item) 1-1/2 turns from tight using two hex screws (kit item) as shown in **FIGS. 1.14A, B**.



INSTALL REVISION™ DOOR

- 2.1 Align two 1/2" brass washers (kit item) over hole on bottom bracket. Then, insert bottom hinge into bottom bracket hole (**FIGS. 2.1A, B**).



- 2.2 Support REVISION Door so holes on top align with top hinge holes. Hold top mounting nut plate (kit item) on inside top of door while installing top hinge (kit item) 1-1/2 turns from tight (**FIGS. 2.2A, B**).



- 2.3 Attach door stop arm to inside stud closest to inner door frame, and 1-1/2 turns from tight (**FIG. 2.3**).



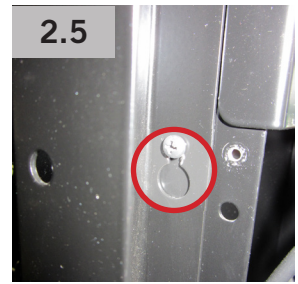
NOTE: The inner panel (inner filler bar) is the long, slender bar shown in **FIG. 2.4** between the power supply and trays.

- 2.4 Align inner panel (kit item) slotted keyways with existing holes. Then, reinstall screws from Step 1.9, allowing sufficient space to hang inner panel on slotted keyways.

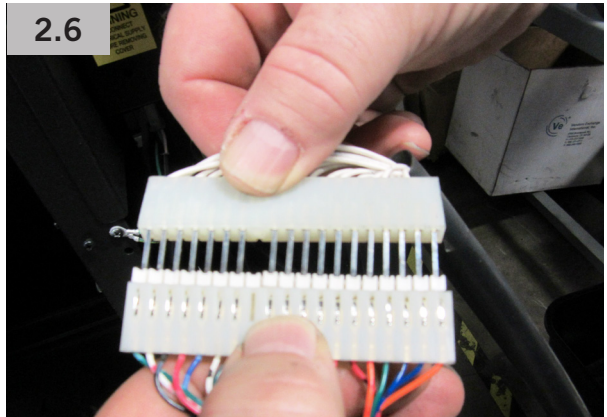


INSTALL REVISION™ DOOR

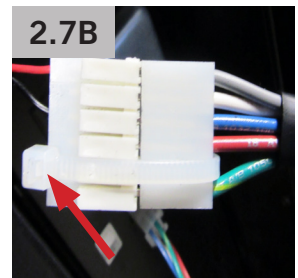
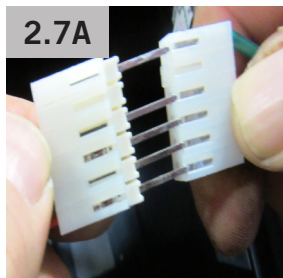
- 2.5 After hanging inner panel, insert phillips screwdriver through inner panel holes to tighten all screws in each keyway, as shown in **FIG. 2.5**.



- 2.6 Connect cabinet harness to main door harness as shown in **FIG. 2.6**.

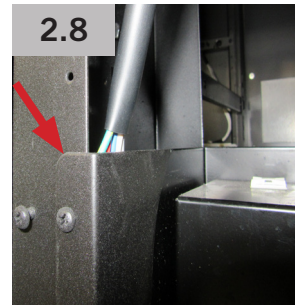


- 2.7 Connect power harness to main door harness (**FIG. 2.7A**). Use cable tie (kit item) to secure both harnesses together and then cut excess from cable tie (**FIG. 2.7B**).



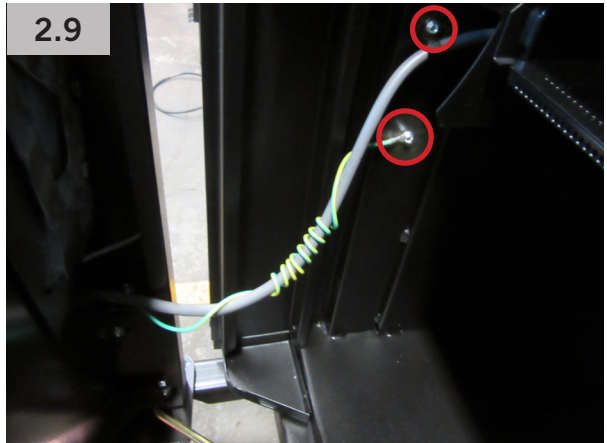
INSTALL REVISION™ DOOR

- 2.8 Place harnesses between shelf support bracket and power supply bracket as shown in **FIG. 2.8**.



NOTE: With REVISION Door open and facing cabinet, power supply bracket is mounted to the left of the power supply.

- 2.9 Wind green ground wire around main door harness about six to eight times. Next, secure main door harness to inside of cabinet with cable clamp (kit item) and self-tapping screw (kit item) as shown in **FIG. 2.9**. Then, connect ground wire to inside of cabinet.



NOTE: It is recommended that reinstallation of the delivery bucket is completed with another person to assist with positioning and aligning of bucket.

- 2.10 Facing front of REVISION Door, position and center delivery bucket in opening. Reach through opening in door. Push bucket delivery flap inward, lift delivery bucket up, and pull toward opening in door. Snap delivery bucket lip on bottom edge of opening.
- 2.11 On inside of REVISION Door, reinstall two screws at top (**FIG. 2.11A**) and at bottom (**FIG. 2.11B**) of delivery bucket.



NOTE: Check that wiring and harnesses are secured and routed properly in machine cabinet. Inspect wiring and harnesses for any potential pinch points along door and inner door frame.

ADJUST REVISION™ DOOR & PREPARE FOR USE

NOTICE

After installation, the door may require adjustment or alignment for a proper fit. When closing door do not force or slam shut. This may cause damage to the door frame or lock bar. This task should be completed with another person.

- 3.1 Ensure that cabinet is on level floor and that cabinet itself is level.
- 3.2 Lift door and line up lock bar and then lock door closed.
- 3.3 Lift and support door in center of cabinet. Tighten inner door bolt on top and bottom hinges.
- 3.4 Carefully open REVISION Door and tighten outer door bolt on top and bottom of door. Tighten hex screws and door stop arm.
- 3.5 Install MDB validator and coin mech.
- 3.6 Open and close door. Check that door is correctly aligned and ensure door locks properly. If problems persist, loosen inner and outer door bolts on top and bottom hinges. Then, repeat steps 3.2 through 3.4.

CAUTION

Inspect all electrical connections, making sure they are properly attached to their connection points.

- 3.7 Plug machine power into outlet and confirm that Ground Fault Circuit Interrupter (GFCI) is not in reset mode.
- 3.8 Turn on machine power.
- 3.9 Configure UCB™ following programming instructions guide (kit item).
- 3.10 Test all motors for proper operation.

KIT CONTENTS FOR DROP SENSOR *(IF PURCHASED)*

DROP SENSOR INSTALLATION KIT FOR AP 123

PART NUMBER	DESCRIPTION	QTY
VE1015038	Drop Sensor Kit	1
VE9308A	Magnet	1
VE4650K	4-Way Tie Mount	10
VE4601K	6" Bar Lock Cable Tie	10
VE4679	1/8" Cable Clamp	1
VE7207K	#8-32 Keps Nut	2
VE7253K	1/4" Sheet Metal Screw	1
VE31054	Drop Sensor Mounting Template	1
	Reflective Tape 1-1/2" X 6"	1
	Reflective Tape 1" X 3"	1

TOOLS REQUIRED

- Phillips Screwdriver
- 1/4" Nut Driver
- 11/32" Nut Driver
- Scissors
- 3/16" Drill Bit
- Standard Socket Set
- Spring Punch or Other Marking Device
- Wire Cutter
- Tape

QUESTIONS?

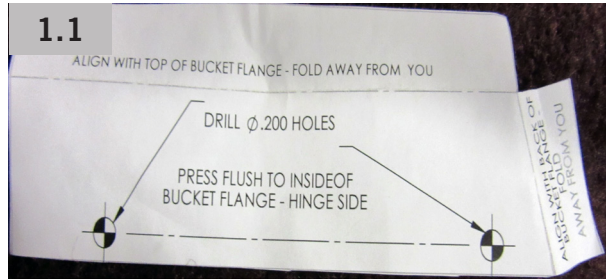
Contact the Vendors Exchange® Customer Service Team
at
800.321.2311

INSTALL DROP SENSOR

⚠ WARNING

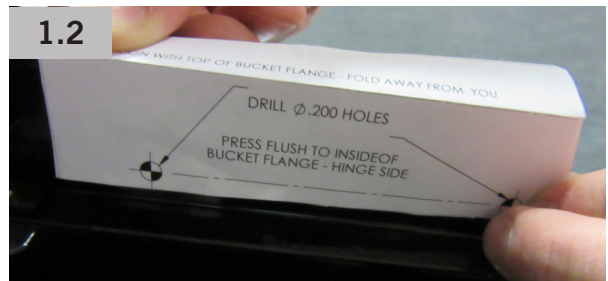
To prevent personal injury and equipment damage, turn machine off and disconnect electrical cord from the wall outlet before installing drop sensor. Failure to do so could result in electrical shock.

- 1.1 Cut out drop sensor mounting template (kit item) as shown in **FIG. 1.1**.

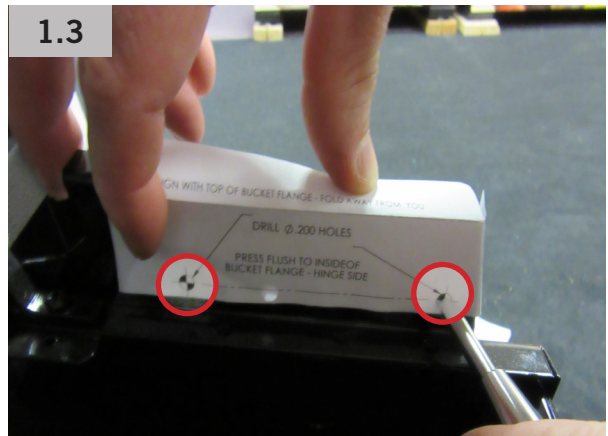


NOTE: It is highly recommended to use tape when mounting the template to the drop sensor mounting bracket. If tape is unavailable, hold template firmly in place and have another person mark the template and bracket.

- 1.2 Fold template at dotted lines and place on drop sensor mounting bracket (hinge side of door). Follow alignment instructions on template (**FIG. 1.2**).



- 1.3 Using a spring punch or other marking device, place mark through template and onto bracket in two places where holes will be drilled in Step 1.4 (**FIG. 1.3**).



INSTALL DROP SENSOR

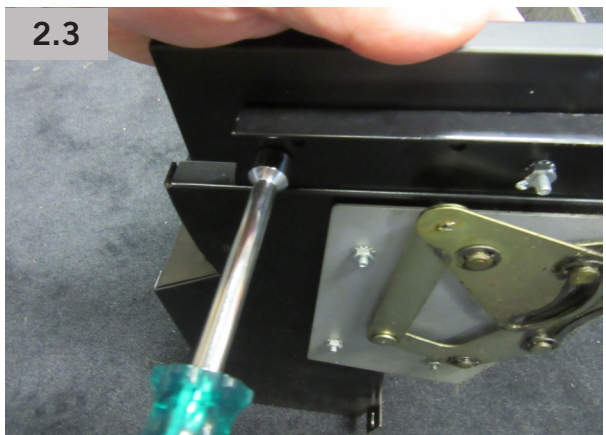
- 2.1 Using 3/16" drill bit, drill two holes on drop sensor mounting bracket in two locations from marks in Step 1.3 (**FIG. 2.1**).



- 2.2 Insert studs on drop sensor (kit item) through two drilled holes and hand tighten keps nuts (kit item) on studs (**FIG. 2.2**).



- 2.3 Use 11/32" nut driver to fully tighten drop sensor to bracket (**FIG. 2.3**).



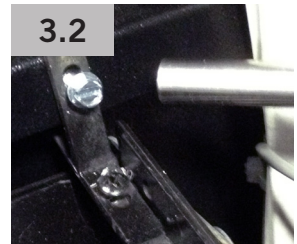
INSTALL DROP SENSOR

- 3.1 Connect drop sensor harness to 4-prong plug (**FIG. 3.1**) on drop sensor assembly.



NOTE: Ensure drop sensor assembly is not tilted or twisted after mounting.

- 3.2 Remove 1/4" screw from delivery bucket (**FIG. 3.2**). Then, insert drop sensor harness into cable clamp (kit item).



- 3.3 Install cable clamp with 1/4" sheet metal screw (kit item) on delivery bucket as shown in **FIG. 3.3**.



- 3.4 Use cable ties (kit item) and 4-way tie mounts (kit item) to secure drop sensor harness (**FIG. 3.4**). Cut excess cable tie after securing harness.



INSTALL DROP SENSOR

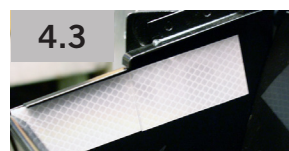
- 4.1 Set 4-way tie mounts inside of door. Route drop sensor harness along top of drop sensor bracket and is clear of black LED (**FIG. 4.1**) to reduce potential malfunction when machine is operational.



- 4.2 Remove two-sided tape from magnet (kit item) and hold it in the right hand corner of delivery door until green LED illuminates. Next, place magnet in identified location (**FIG. 4.2**). Then, move bucket flap until it touches magnet and release bucket flap.



- 4.3 Apply 1-1/2" X 6" reflective tape (kit item) to opposite side of delivery bucket, positioning tape as close as possible to rear edge of delivery bucket (**FIG. 4.3**).



- 4.4 Apply 1" X 3" reflective tape (kit item) to lower edge of roller guide on inside of cabinet (**FIG. 4.4**).

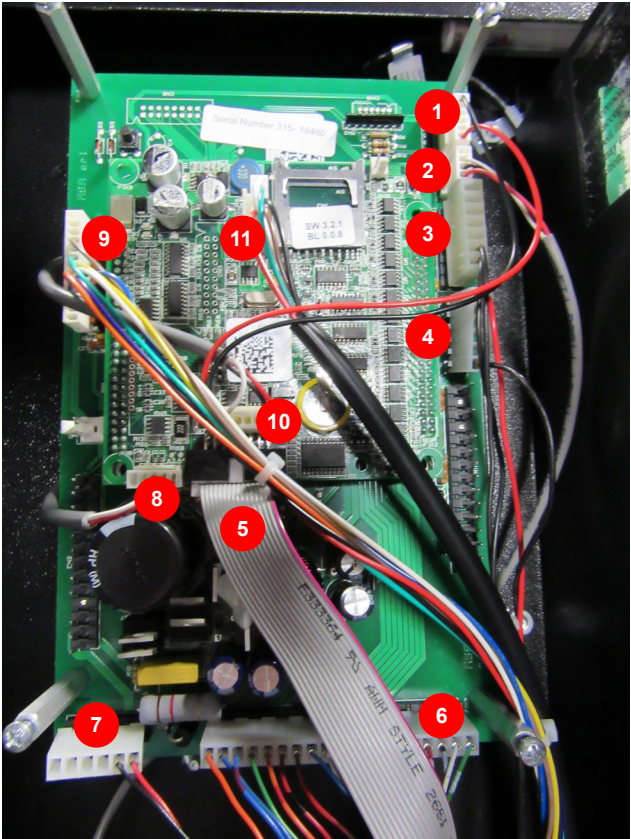


- 4.5 Move delivery door up and down. Green LED on sensor board should illuminate (view through square cutout) when door is 1/2 to 2/3 open, and go off when delivery door is 3/4 closed (**FIG. 4.5**).



APPENDIX

UCB™ CONNECTIONS FOR AP 123



REFERENCE #	DESCRIPTION
1	Backlit Keypad (if applicable)
2	VE-Supplied Drop Sensor (if applicable)
3	Door Switch
4	VE-Supplied LED Lighting (if applicable)
5	Display
6	Motors/Cabinet
7	24V AC Power
8	DEX
9	Keypad
10	Motion Sensor
11	MDB

APPENDIX

COMMON SERVICE PARTS

DOOR

PART NUMBER	DESCRIPTION
VE1529	Door Switch
VE6801N	Lock Bar
VE6816R1	Keypad
VE8711	Coin Chute
VED6341PB	Coin Return Button Assembly

SPIRALS

PART NUMBER	DESCRIPTION
VE713	Spiral, 6 Count Snack RH
VE710	Spiral, 10 Count Snack RH
VE715	Spiral, 12 Count Snack RH
VE715A	Spiral, 12 Count Candy LH
VE1508	Spiral, 12 Count Candy RH
VE716	Spiral, 15 Count Candy RH
VE716A	Spiral, 15 Count Candy LH
VE711	Spiral, 18 Count Candy RH
VE715A and VE1508	Spiral, 12 Count Dual Snack
VE716 and VE716A	Spiral, 15 Count Dual Snack

MOTORS

PART NUMBER	DESCRIPTION
VE8320	Dual Spiral AP120s
VE8322	Single Spiral AP120s

GLASS

PART NUMBER	DESCRIPTION
VE131H	Glass, 44.63 X 26.88 X .12 Tempered (5 wide models)

APPENDIX

SERVICE PARTS

DROP SENSOR

PART NUMBER	DESCRIPTION
VE9300SBUSA2	Sensor Board and Mounting Bracket
VE5901AH	Drop Sensor Harness
VE9300RTR	Reflective Tape (specify size)

LABELS

PART NUMBER	DESCRIPTION
VE1581	Item Tabs #110-189
VE673 (Series)	Price Labels (specify price)
VE5876	Refund Label (drop sensor label)

LED

PART NUMBER	DESCRIPTION
VEL1410RD	LED Light Bar Kit (3 LEDs)
VEL1410	LED Light Bar (1 LED)
VE5829C	LED Motion Sensor

UCB™

PART NUMBER	DESCRIPTION
VE5801	Universal Control Board
VE5816	MDB Harness
VE5853D	Display Harness
VE5861DF	Harness Board Forced
VE5862	Display Board
VE6820	DEX Harness

VENDORS EXCHANGE® WARRANTY INFORMATION

Limited Warranty and Disclaimer. VE warrants that the Products, including without limitation, their component Part(s), sold will be of the kind and quality described herein and will be free of defects in workmanship or material. This Warranty shall extend for the Warranty Period set forth below following the date of delivery of such Products to Buyer. **VE MAKES NO WARRANTY, EXPRESS, IMPLIED (INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR INTENDED PURPOSES), OR STATUTORY, OTHER THAN THE FOREGOING EXPRESS WARRANTY.**

PRODUCT	WARRANTY PERIOD
A. REPLACEMENT PARTS	
New Replacement Parts	90 DAYS
UCB Kits	1 YEAR
Rowe Bill Changer Kits	1 YEAR
CleanLife® LED Bulbs	MANUFACTURER
New MEI/CPI Mechs and Validators	2 YEARS
Reconditioned Mechs and Validators	6 MONTHS
Reconditioned Control Boards	6 MONTHS
B. REPAIR SERVICES	
Standard Warranty	6 MONTHS
Flat Rate Repairs	1 YEAR
C. EQUIPMENT	
REVISION™ Door	1 YEAR
A-1 Remanufactured Machine	90 DAYS
Clean, Checked and Working Machine	30 DAYS
As-Is Machine	NO WARRANTY
New	MFG WARRANTY

a.) Failure of the Buyer to submit any claim hereunder within ten (10) days following expiration of the Warranty Period applicable to such Products shall be an admission by the Buyer and conclusive proof that such articles are in every respect as warranted and shall release VE from any and all claims for damage or loss sustained by the Buyer. In the event the Buyer timely submits a claim for breach of WARRANTY, the parties agree that, at VE's option, the Buyer's sole and exclusive remedies shall be the repair or replacement of the defective Products or Part(s) or a refund of the price of the defective Products or Part(s).

b.) The Buyer acknowledges that it alone has determined that the Products purchased hereunder shall suitably meet the requirements of its intended function. It is expressly understood that any technical advice or recommended operating practices furnished by VE with respect to the use of the Products is given without charge, and VE assumes no obligation or liability for the advice or recommended operating practices given, or results obtained, all such advice or recommended operating practices being given and accepted at the Buyer's risk.

c.) This Warranty does not apply to (i) electrical components, wiring, circuits and/or mechanical parts or assemblies damaged as a result of operating the Products at other than 115 volts, 60 Hertz current, (ii) Products damaged due to vandalism, fire, flood or other casualty, (iii) Products not maintained in accordance with the manufacturer's or VE's recommendations, and/or (iv) Products not serviced by VE authorized service personnel or which contain replacement parts not furnished by VE or its authorized service personnel.

For additional information please review the Terms and Conditions of Sale.



VENDORS EXCHANGE

I N T E R N A T I O N A L

At Vendors Exchange®, our mission is to link timeless traditions with the latest innovations. From classics to concepts, old parts to new partnerships, we pride ourselves as the only vending solution you'll ever need.