THE **REVISION**™ DOOR

FOR AP LCM2

INSTALLATION MANUAL

VENDORS EXCHANGE
INTERNATIONAL
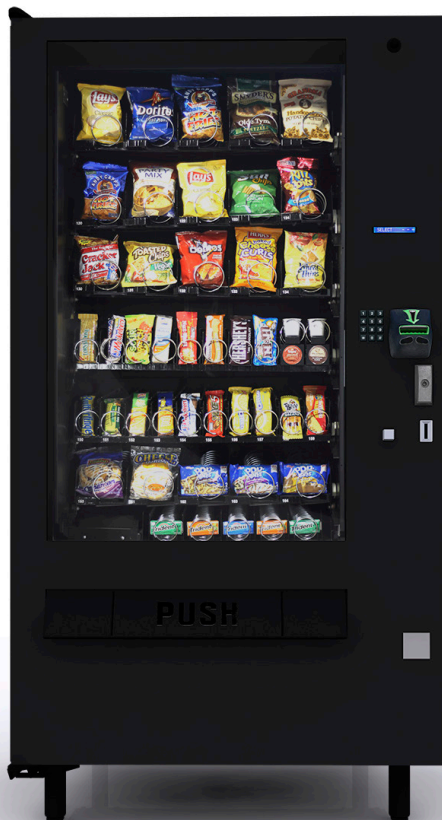
Dear Valued Customer,

Thank you for purchasing the REVISION™ Door. This manual describes how to install the REVISION Door on an AP LCM2. If ordered, instructions about installing the drop sensor are included.

Please read all instructions thoroughly before installing the REVISION Door. 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.

CONTENTS

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.

KIT CONTENTS DESCRIPTION

PART NUMBER	DESCRIPTION	QTY
VE1581	Item Tabs	1
VE4653K	1/2" Black Nylon Cable Clamp	1
VE4849	LED Window Cling-on Sticker	1
VE5800	UCB™ Programming Instructions Guide	1
VE5876	Refund Label Cling-on Sticker	1
VE6836	1/4"-20 X 7/8" Flat Head Socket Cap (Hex) Screw	4
VE6851R	Cash Box with Installed Wing Handle Cam Latch (VE6852)	1
VE6851P	Top and Bottom Nut Plate	2
VE6855	Top Hinge	1
VE6856	Bottom Hinge	1
VE7241	1/4"-20 X 1" Carriage Bolt	2
VE7373K	#8-18 X 1/2" Self-Tap Screw	6
VE8718A	1/2" Brass Washer	2
VE8739	Inner Panel (Inner Filler Bar)	1
VE8327	Installation Manual	1

TOOLS REQUIRED

- 11/32" Hex Key
- Crescent Wrench
- Phillips Screwdriver
- Flat Head Screwdriver
- 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 LCM2.

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.
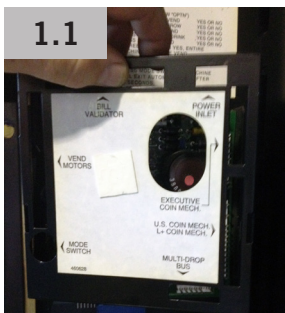
⚠️WARNING

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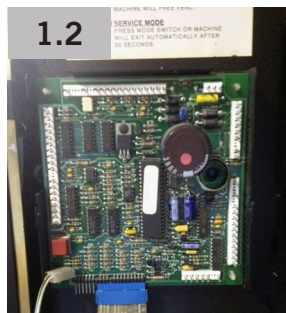
⚠️ CAUTION

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

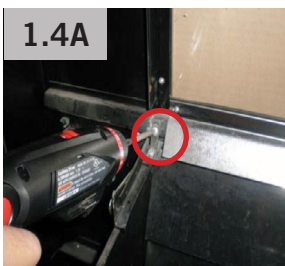1.1   Remove control board cover and discard (**FIG. 1.1**).

1.2   Unplug all harnesses from existing control board (**FIG. 1.2**).

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

1.4   Unfasten two screws at top of delivery bucket (**FIG. 1.4A**) and bottom of delivery bucket (**FIG. 1.4B**). Set delivery bucket and screws aside for future installation on REVISION Door.

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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 fasteners.

1.8 Uninstall top bracket by removing fasteners from top of cabinet. Bolt pattern may vary from machine to machine (**FIG. 1.8**).
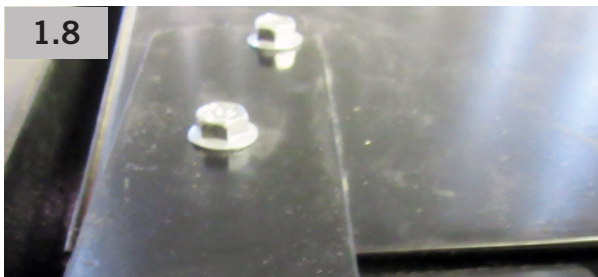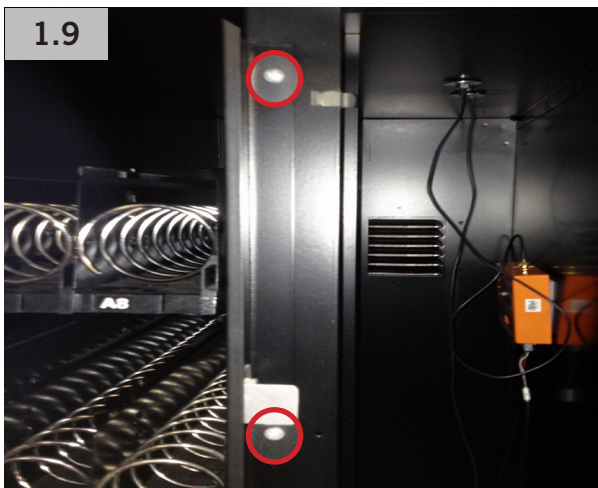

⚠ CAUTION

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 2.4. Two screws are shown in **FIG. 1.9**. Then, remove panel from cabinet.

1.10 Align new top hinge (kit item) over mounting holes on cabinet top. Next, insert carriage bolts (kit item) through hinge holes (**FIG. 1.10**) and tighten nuts from inside ballast filler panel. Then, tighten ballast filler screw that was loosened in Step 1.7.
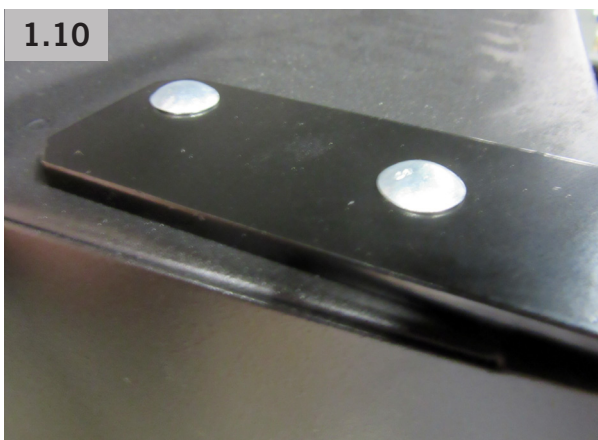

1.11 Position and align bottom mounting nut plate (kit item) over holes in lower right corner of door (**FIG. 1.11**).

1.12 Attach bottom hinge (kit item) as shown in **FIG. 1.11**. Use 5/32" hex screws (kit item) to mount hinge and nut plate, 1-1/2 turns from tight.
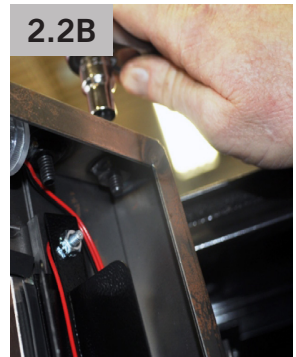

5

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**).

2.1A

2.1B
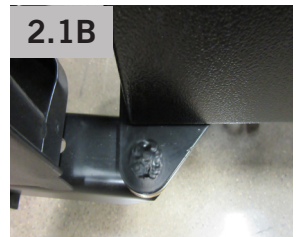
2.2 Support REVISION Door so holes on top align with top hinge holes. Hold top mounting nut plate (kit item) on inside top of door while installing top hinge (kit item) 1-1/2 turns from tight (**FIGS. 2.2A, B**).

2.2A

2.2B
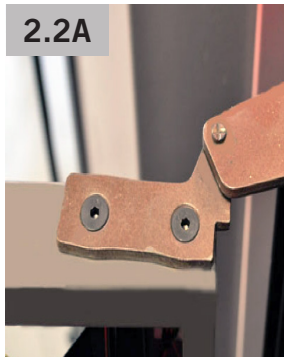
2.3 Attach door stop arm to outside stud furthest from inner door frame, and 1-1/2 turns from tight (**FIG. 2.3**).

2.3

INSTALL REVISION™ DOOR

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.

2.5 After hanging inner panel, insert phillips screwdriver through holes on inner panel to tighten all screws in each keyway (**FIG. 2.5**).

2.6 Rotate wing handle cam latch clockwise and remove cash box. Then, unfasten cash box bracket from REVISION Door as shown in **FIG. 2.6**. Set screws aside for future use.
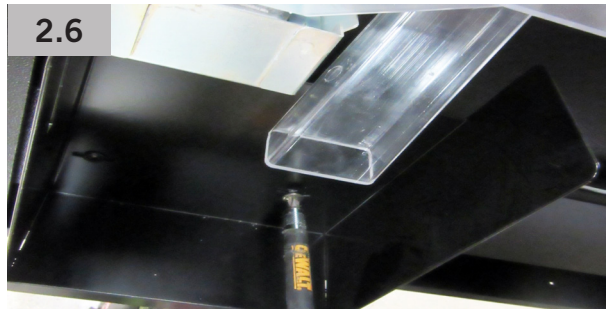
INSTALL REVISION™ DOOR

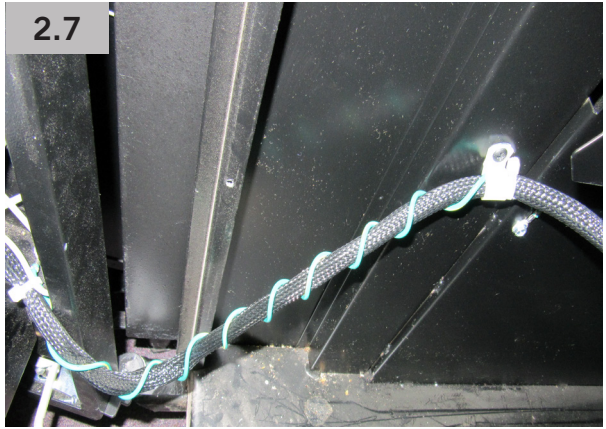2.7 Wind green ground wire around main door harness about six to eight times. Next, secure main door harness to inside of cabinet with cable clamp (kit item) and self-tapping screw (kit item) as shown in **FIG. 2.7**. Then, connect ground wire to inside of cabinet.

2.7

2.8 Route cabinet harness under delivery bucket opening with existing cable clamps and new cable ties. Guide harness along door frame (**FIG. 2.8A**). Then, route harness on right side of coin chute and T-handle (**FIG. 2.8B**). Continue routing cabinet harness on inside door frame toward UCB.™

2.8A

2.8B

2.9 Connect cabinet's main harness (power and motors) to matching male plugs from UCB (**FIG. 2.9**).

2.9
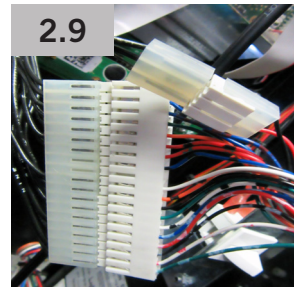
INSTALL REVISION™ DOOR

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.

2.12 Position cash box bracket against delivery bucket and reinstall it on REVISION Door (**FIG. 2.12**).
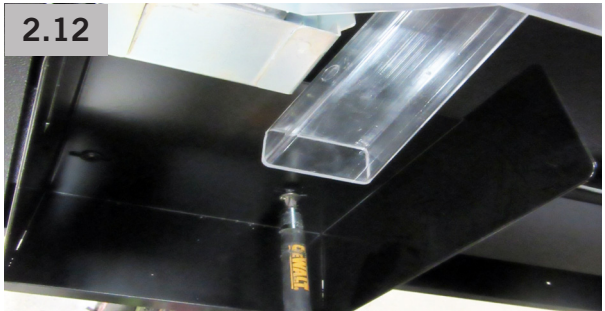
2.13 Insert cash box (kit item) into bracket and rotate wing handle cam latch counterclockwise on box to lock in place (**FIG. 2.13**).

NOTE: Check that wiring and harnesses are secured and routed properly in machine. 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.

DROP SENSOR INSTALLATION KIT FOR AP LCM2

PART NUMBER	DESCRIPTION	QTY
VE5901AU2D	Drop Sensor Kit	1
VE9308A	Magnet	1
VE4650K	4-Way Tie Mount	8
VE4601K	6" Bar Lock Cable Tie	8
VE4679	1/8" Cable Clamp	1
VE7207K	#8-32 Keps Nut	1
VE7253K	1/4" Sheet Metal Screw	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
- Standard Socket Set
- Wire Cutter

QUESTIONS?

Contact the Vendors Exchange® Customer Service Team at
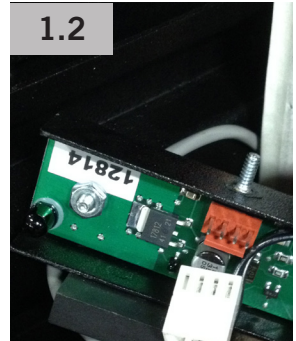## 800.321.2311

INSTALL DROP SENSOR

1.1 Unfasten top plate on drop sensor (kit item) by removing 1/4" nuts and lifting off plate (**FIG. 1.1**). Set two nuts aside.

1.2 Plug 4-pin connector into 4-prong plug (**FIG. 1.2**).

1.3 Using 11/32" nut driver, loosen top left nut on right side of delivery bucket (**FIG. 1.3**).

1.4 Attach drop sensor bracket on delivery bucket and tighten nut (**FIG. 1.4**).
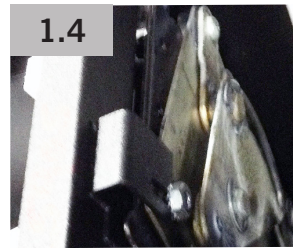
NOTE: Ensure sensor bracket assembly is not tilted or twisted after mounting.

1.5 Remove 1/4" screw from delivery bucket (**FIG. 1.5**).

1.6 Insert drop sensor harness into cable clamp (kit item) as shown in **FIG. 1.6**.

1.7 Install cable clip with 1/4" sheet metal screw (kit item) on delivery bucket (**FIG. 1.7**).

INSTALL DROP SENSOR

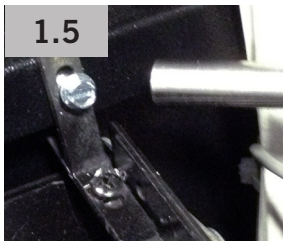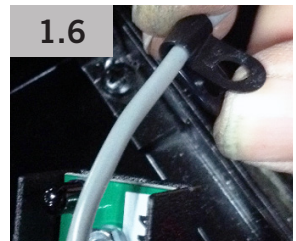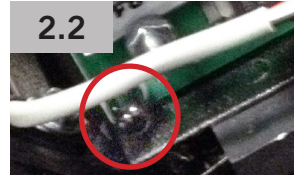2.1 Use cable ties (kit item) and 4-way tie mounts (kit item) to secure drop sensor harness (**FIG. 2.1**). Cut excess cable tie after securing harness.

2.1

2.2 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. 2.2**) to reduce potential malfunction when machine is operational.

2.2

2.3 Reinstall two nuts on top plate of drop sensor and tighten (**FIG. 2.3**).

2.3
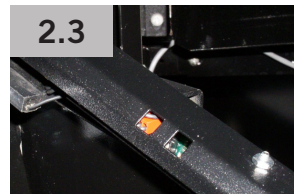
> **NOTE:** Ensure sensor bracket assembly is not tilted or twisted after mounting.

2.4 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. 2.4**). Then, move bucket flap until it touches magnet and release bucket flap.

2.4
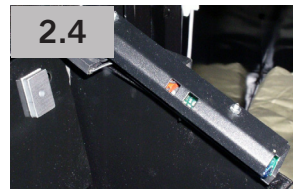
2.5 Apply 1-1/2" X 6" reflective tape (kit item) to opposite side of delivery bucket, positioning tape as close as possible to rear edge of delivery bucket (**FIG. 2.5**).

2.5

2.6 Apply 1" X 3" reflective tape (kit item) to lower edge of roller guide on inside of cabinet (**FIG. 2.6**).

2.6

2.7 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. 2.7**).

2.7
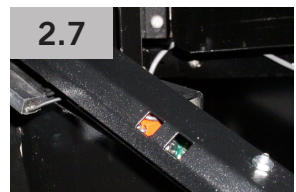
UCB™ CONNECTIONS FOR AP LCM2
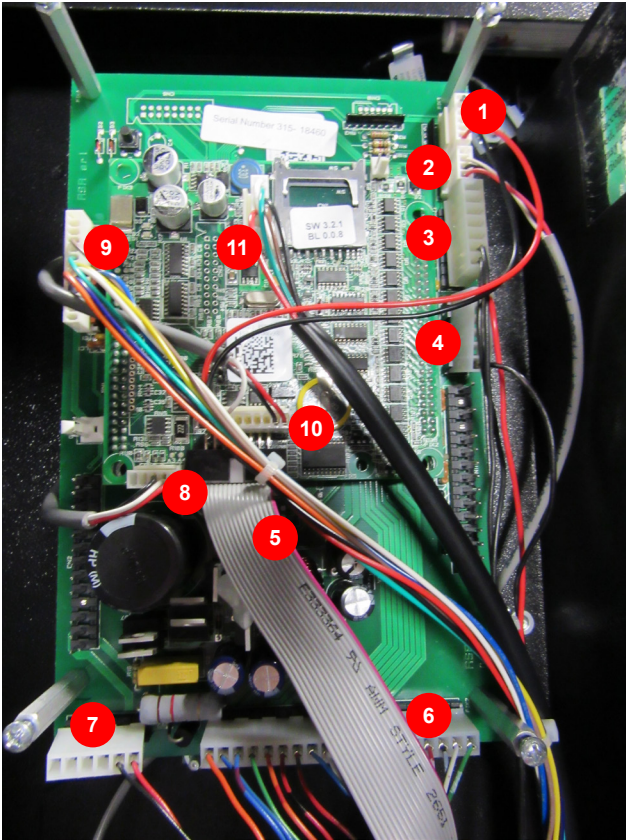
REFERENCE #	DESCRIPTION
1	Backlit Keypad (if applicable)
2	VE-Supplied Drop Sensor (if applicable)
3	Door Switch
4	VE-Supplied LED Lighting (if applicable)
5	Display
6	Motors/Cabinet
7	24V AC Power
8	DEX
9	Keypad
10	Motion Sensor
11	MDB

APPENDIX

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
VE8318	Single Spiral LCMs
VE31009	Dual Spiral LCMs

GLASS

PART NUMBER	DESCRIPTION
VE131H	Glass, 44.63 X 26.88 X .12 Tempered (5 wide models)
VE131J	Glass, 44.50 X 21.63 X .12 Tempered (4 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	1 YEAR
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 of 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

INTERNATIONAL

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.