



SERVICE BULLETIN # 00255

426 INDUSTRIAL BOULEVARD • KEARNEYSVILLE WV 25430-2776 • USA
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PAGE: 1 of 3
DATE: 9-1-04
REVISION: 01

SUBJECT: RVV Software Upgrade Kit Installation

of People
Required



MODELS: RVV (for control boards lower than 4.268 software revision)

Kit Number

Kit Description

350011

RVV Software Upgrade Kit

TOOLS REQUIRED: Phillips screwdriver, chip puller, drill with 1/8" bit, center punch

ESTIMATED INSTALLATION TIME: 10 minutes

REASON FOR BULLETIN: When upgrading the software on RVV control boards with software revisions lower than 4.268, it is necessary to not only change the controller chip on the control board, but also to move the product sensing switch. This bulletin describes the procedure for upgrading the software and making the necessary changes.

INSTALLATION INSTRUCTIONS:

Part 1: Recording the X-axis and Y-axis coordinates.

1. Enter into the vender's programming (service) menu, and go to "Product Location." Press <enter>. The display will show "END X=NNNN Y=NNNN" (where "N" will be the X-axis and Y-axis coordinates, respectively). Write down the coordinates.
2. Press <up> to proceed to "Sel=12 X=NNNN Y=NNNN." Write down the X-axis and Y-axis coordinates for selection 12. Press <up> to proceed to selections 18, 52, and 58. Write down the coordinates shown for each of these selections.

Part 2: Replacing the chip and moving the product sensing switch.

1. Remove power to the vender by unplugging the vender's main power cord from the AC voltage source.
2. Using a chip puller, remove the existing controller chip from the board. Replace it with the new chip. (See Figure 1.)
3. Unscrew the two screws which secure the product sensing switch. Then, mount the template (from kit) by screwing into the two top left holes, going through the holes in the door where the screws were before. (See Figures 2 and 3.)
4. Using a center punch, mark the centers of the two lower left holes of the template. Remove the template.
5. Using a 1/8" bit, drill the two holes that were marked in Step #4.
6. Secure the product sensing switch, using the two new holes to screw into.
7. Restore power to the vender by plugging the vender's main power cord to the AC voltage source.

Part 3: Reprogramming the X-axis and Y-axis coordinates.

1. Enter into the control board's main service menu, and go to "Product Location." Press <enter>. The display will show the preset X-axis and Y-axis coordinates for "END. " Open the door, and press <enter> again. The elevator cup assembly will go through a routine, stopping at the port. At that point, the X-axis and Y-axis coordinates will begin flashing. Adjust these coordinates to match the coordinates recorded above in Part 1. To adjust the X-axis coordinates, use buttons 4 (left) and 6 (right); to adjust the Y-axis coordinates, use buttons 2 (up) and 8 (down). Once you are finished, press <enter>. Close the door and screw the T-handle all the way in.
2. Press <up> until the display shows "Sel=12," followed by the preset X-axis and Y-axis coordinates. Press <enter>. The elevator cup assembly will go through a test routine, stopping at column 12. At that point, the X-axis and Y-axis coordinates will begin flashing. Adjust these coordinates to match the coordinates recorded above in Part 1. To adjust the X-axis coordinates, use buttons 4 (left) and 6 (right); to adjust the Y-axis coordinates, use buttons 2 (up) and 8 (down). Use the sights on the elevator cup assembly to ensure the cup is properly adjusted. (See Figure 4 for proper adjustment positions.) Once you are finished, press <enter>.
3. Press <up> to proceed to selections 18, 52, and 58. Repeat the procedure described in Step 2, above.
4. Once you are completely finished, return the vender to sales mode.

NOTE: After replacing the chip, it is necessary to reprogram the vender (i.e., "Set Prices," "Space to Sales," "Set Configuration," "Set Refrigeration," "Select Block X," etc.).

In an effort to provide our customers with the latest information on our equipment, Royal Vendors sends service bulletins to customers using the original ship-to address or e-mail addresses, if supplied by our customers. We also post all service bulletins on our website at www.royalvendors.com. If for any reason a vender is moved to another location or is sold to another customer other than to whom Royal Vendors originally sent the machine, it is the responsibility of the original purchaser of the vender to notify the appropriate personnel of the service bulletin.

**ANY QUESTIONS??? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT
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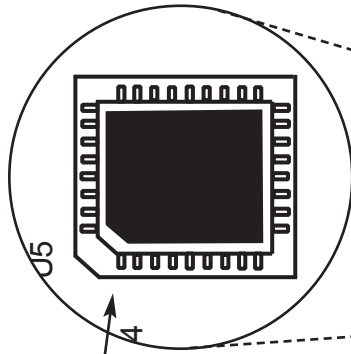
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MODELS: RVV

Figure 1

Control board

Always ensure that the notched corner of the chip matches with the notched corner of the chip receptacle on the control board. Also always ensure the chip is seated properly in the receptacle slots.



Notched corner

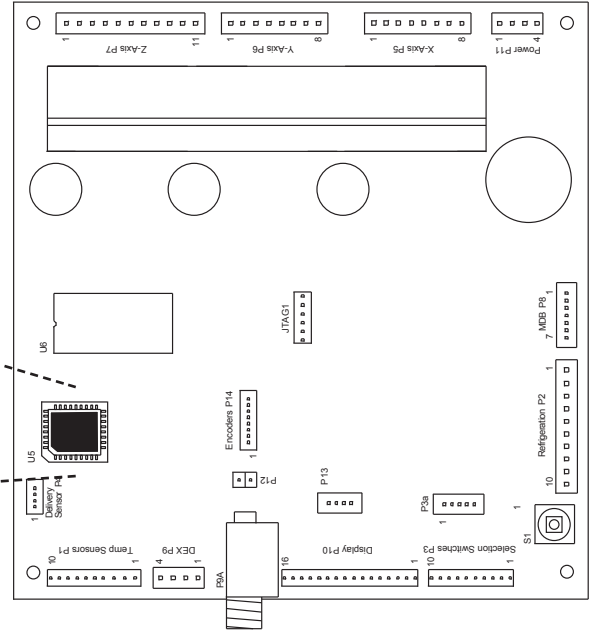
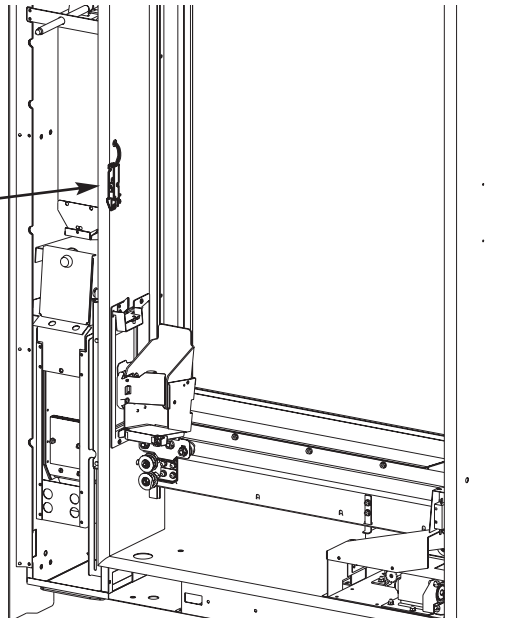


Figure 2

Location of product sensing switch

Product sensing switch



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Figure 3

Marking new holes

Insert screws in these two holes of the template.

Mark the centers of these two holes with a center punch. Then, remove the template, and drill the holes.

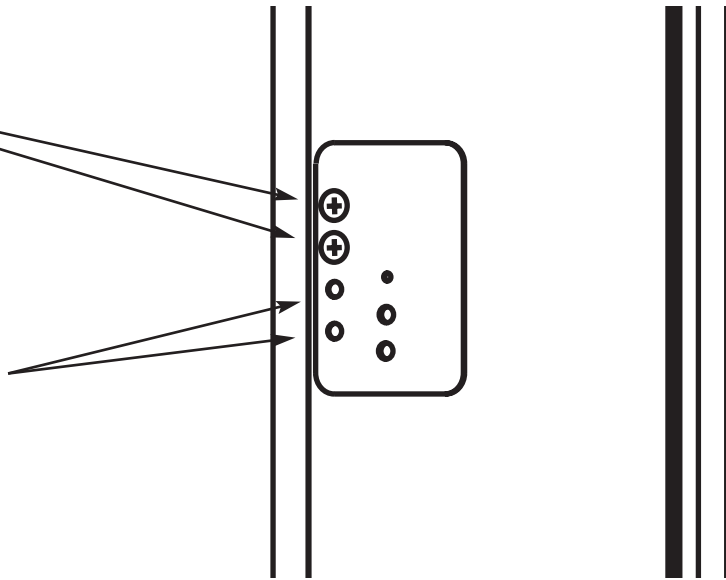
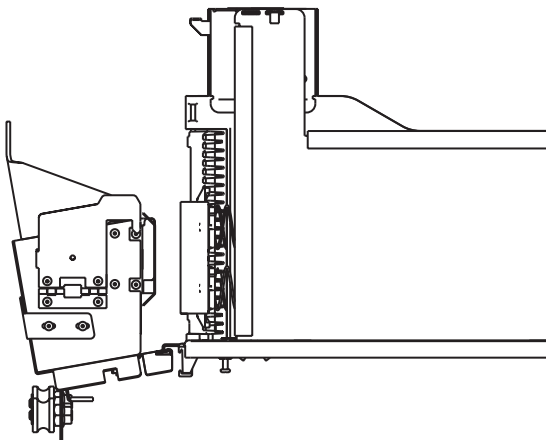


Figure 4

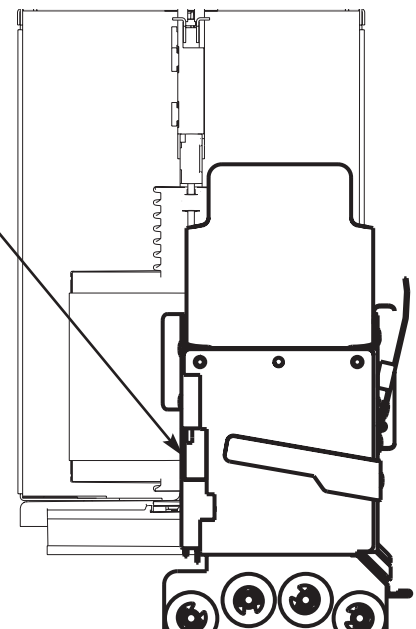
Side view of elevator cup at proper height in relation to the cell assembly.

The lip of the cup should be slightly lower than the floor of the cell.



Front view of elevator cup at proper lateral (side to side) position.

Sight for cup adjustment
The release lever on the cell assembly should be approximately in the middle of this sight, left to right.



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