

Instructions to Install Retrofit Kit

Royal 650 Soda Machine

**** TURN MACHINE POWER OFF BEFORE INSTALLATION ****
READ ALL INSTRUCTIONS BEFORE STARTING INSTALLATION

RVMC-ROYAL SODA-1L Retrofit Kit Contents

PART NAME	QUANTITY	PART NUMBER
PCBA, Combo Soda VMC	1	10-0430-256A
Assembly, RVMC Royal Soda OLED Display & Cable	1	10-0064-31L
Cable, DEX	1	DEX-27

Tools Needed:

Screwdriver, Philips (control board)
Nut Driver, 7/16" (display angle bracket)

Installation Procedure:

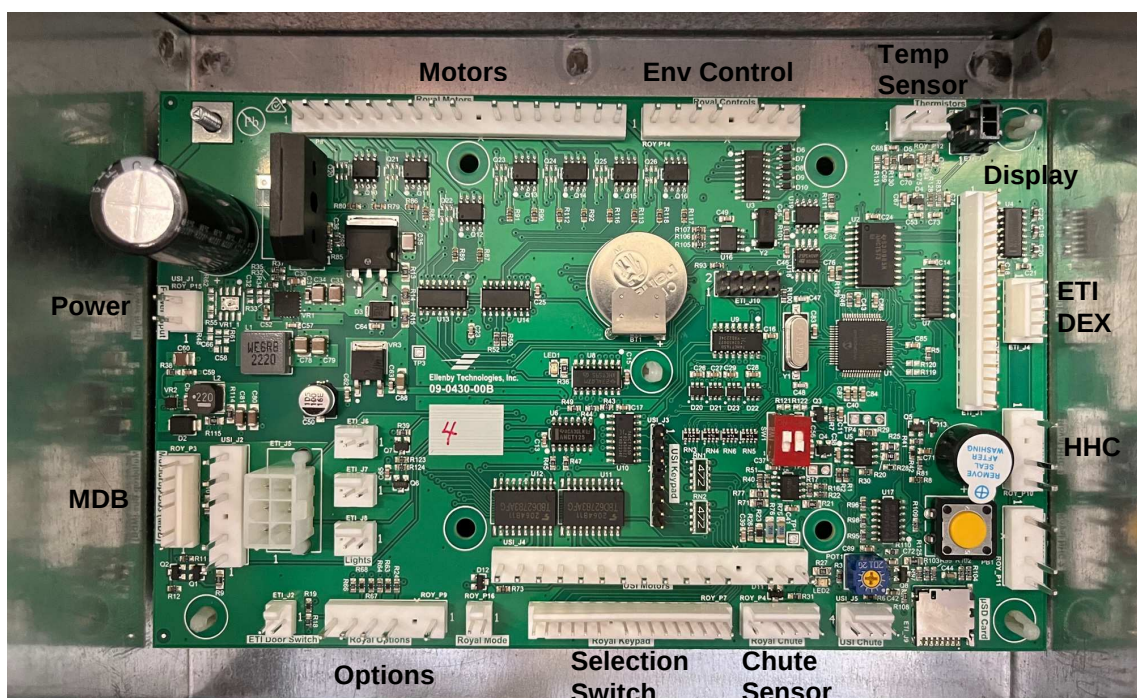
1. Unplug all 10 of the cables from the existing control board.
2. Remove the control board (held on by 1 nut and 4 plastic standoffs). Discard board, save nut.
3. Remove the LED display located near the coin entry slot. Discard display and display cable.
4. Remove the upper and lower carriage bolts on the side of the door. Save bolts and nuts.



5. Mount the **10-0064-31L** display assembly by inserting the cable through the LED display hole and positioning the angle bracket so the three holes on the side line up with the location of the carriage bolts removed in Step 4. The large middle hole will surround the middle carriage bolt not removed in Step 4. Reinstall the upper and lower carriage bolts and nuts to hold the display assembly.



6. Install the new **10-0430-256A** control board by snapping it onto the existing plastic standoffs. The board should be oriented with the Service Mode pushbutton at the bottom right. Secure and ground the board to the upper left screw stud using the original nut.
7. Connect the following original cables to the control board:
 - > **Power** cable to the **Power Input** header **ROY-P15**. (upper left side - vertical)
 - > **MDB** cable to the **Multidrop Bus (MDB)** header **ROY-P3**. (lower left side - vertical)
 - > **Options** cable to the **Royal Options** header **ROY-P9**. (bottom left - horizontal)
 - > **Selection Switch** cable to the **Royal Keypad** header **ROY-P7**. (bottom center - horizontal)
 - > **Chute Sensor** cable to the **Royal Chute** header **ROY-P4**. (bottom right – horizontal)
 - > **HHC/DEX** cable to the **Royal HHC 1 or 2** header **ROY-P10 or P11**. (middle right side - vertical)
 - > **Temp Sensor** cable to the **Thermistors** header **ROY-P12**. (top right - horizontal)
 - > **Environmental Control** cable to the **Royal Controls** header **ROY-P14**. (top right - horizontal)
 - > **Motor** cable to the **Royal Motors** header **ROY-P8**. (top left center - horizontal)



8. Reconnect all of the original cable earth ground wires to the top of the metal box.
9. Connect the new **11-1730-00L Display** cable to the right side of the control board **Display** header **ETI-J1**. (right side – vertical)
10. Connect the new **DEX-27** cable to the upper right side **ETI DEX** header **ETI-J4**. (right side - vertical)
Let the cable dangle or wire tie as desired.
11. Insure that Dip Switch 1 (Left) is in the **ON** position (up) for Royal mode. Dip Switch 2 (Right) should be in the **OFF** position (down).

Finished !!

Refer to the **VMC Soda Retrofit Kits: Configuration and Usage Instructions** document for all information related to the operation of the control board.

Service Mode Keys

Up	Selection 1
Down	Selection 2
Execute	Selection 3
Cancel	Selection 4
Help	Selection 5