
KIT PART NUMBER 6550006
INSTRUCTIONS FOR INSTALLING A SUREVEND™ SYSTEM IN A HOT DRINK CENTER

CHECK THE PARTS RECEIVED IN THE KIT WITH THE PARTS LIST IN THESE INSTRUCTIONS. IF ANY PARTS ARE MISSING, CONTACT THE NATIONAL VENDORS PARTS DEPARTMENT IMMEDIATELY.

Read these instructions carefully before installing the kit.
Keep these instructions for part numbers and for future reference.

THIS KIT CONTAINS THE FOLLOWING :

PART NUMBER	DESCRIPTION	QUANTITY
1675006	INSERT-INSTR-UPPER-SUREVEND	1
6231544	CUP DELIVERY ASSY-SV	1
3286019	PCB ASSY-IR SENSOR INTERFACE	1
P6536006	IC ASSY VER 653.06	1
3281083	BRACKET IR REMOTE	1
3281084	GUARD IR SPLASH	2
6559010	HARNESS ASSY IR PAIR	1
6559011	HARNESS JUMPER TO I/O BOARD	1

Part I. Remove old parts:

1. Turn off power to the machine.
2. Remove existing cup station (see figure).

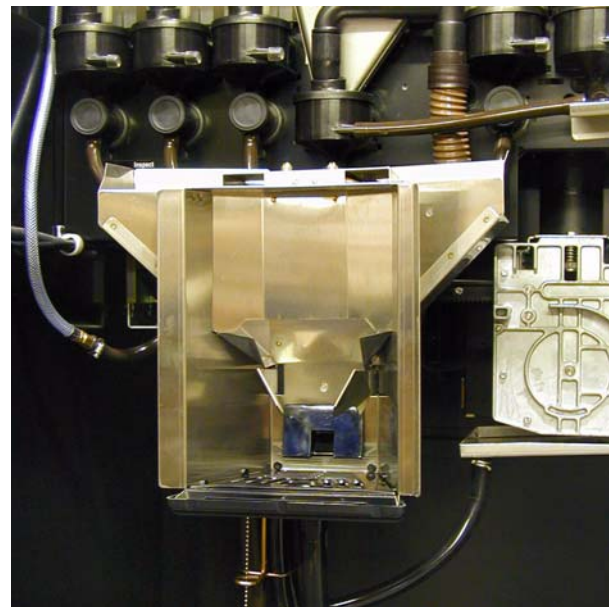


Figure 1

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3. Remove the existing sensor mug brackets (see figure).
 - a. Remove the existing cup sensor assembly if applicable. The new SureVend™ bracket has already been assembled with the IR transmitter and receiver.

Part II. Install new parts:

1. Mount IR sensor bracket:
 - a. Mount the IR sensor bracket as shown (see figure 3) with the nuts and screws provided.
2. Plug interface board onto controller (see figure 4):
 - a. Remove the tape from the PCB stand-off.
 - b. Plug the interface board J3 connector into the J34 header located on the main controller board.
 - c. Apply pressure to the PCB mount to ensure that it stays connected over an extended period of time.

Do not move the configuration jumper on the sensor interface PCB, connector J2!

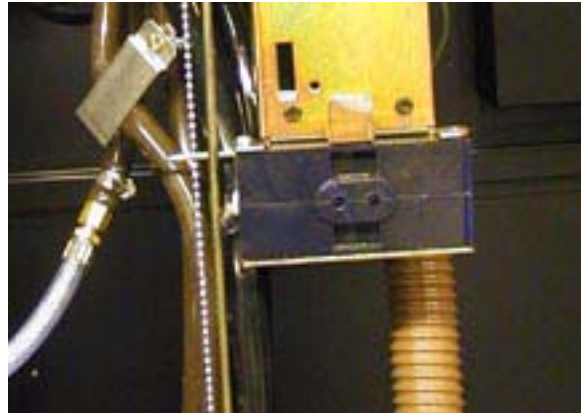


Figure 2

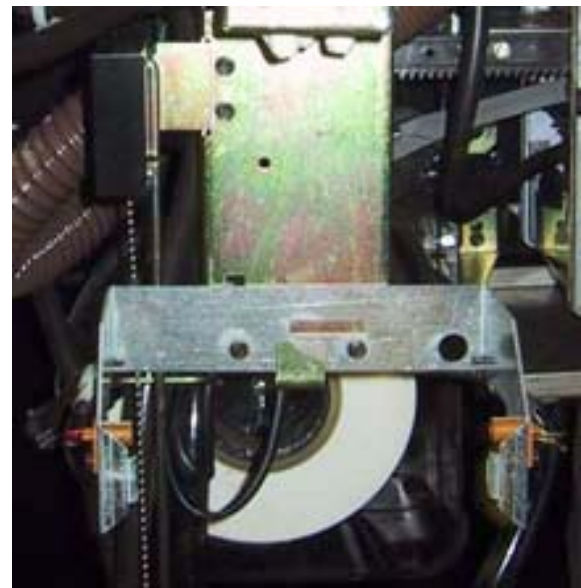


Figure 3



Figure 4

3. Plug cable harness to interface board (see figure 5):
 - a. Plug the small four-pin connector on cable assembly T6559011 into J1 located on the interface board.
4. Route the cable harness (see figure 6):
 - a. The cable is shown routed from the cup sensor PCB through the monetary panel.
 - b. Route the full cable through the square cable port in the monetary housing through the panel in the machine.

Note

*Solid Line: Cable harness exposed,
dotted Line: Cable harness hidden.*

Make sure that there is a cable tie on the cable harness to provide strain relief to the connector! If not the cable harness could slip off the connector over time. Secure the cable tie to the cup sensor harness and the cable harness coming from connector J-31 of the main controller PCB!



Figure 5

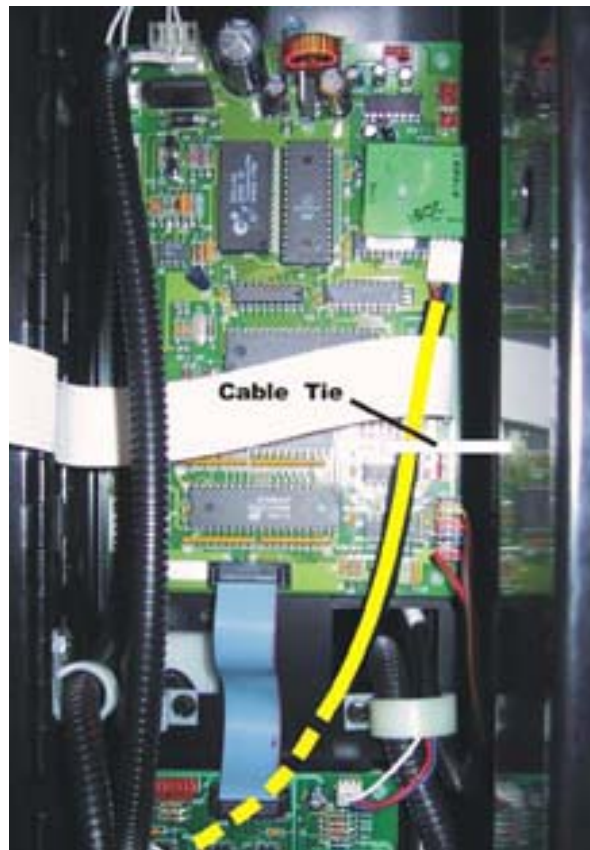


Figure 6

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- c. The cable is shown routed between cup station and cup sensor PCB (see figure 7).
 - d. Route the cable completely behind the canister support shelf through the "J" clamps and stop at the "J" clamp to the right of the cup station mounting in front of the brewer. Route the harness from the sensor bracket behind the shelf and connect it to the sensor harness from the PCB at above "J" clamp.

Make sure that the Cable Harness is routed behind the support shelf! Otherwise the grinder motors could damage it..

5. Observe the location of the 4-pin connector (see figure 8):
6. Connect the cup sensor harness four-pin connector to the cup sensor interface cable mounted on the cup sensor bracket.

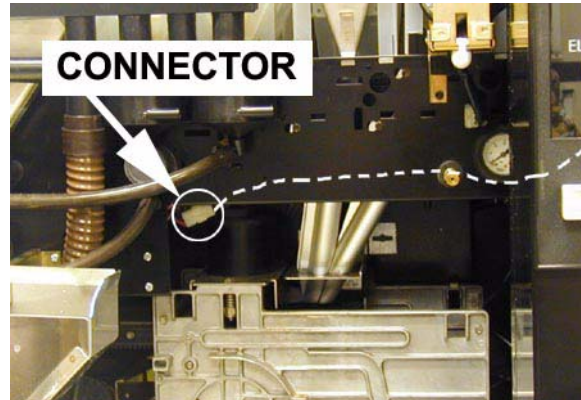


Figure 7

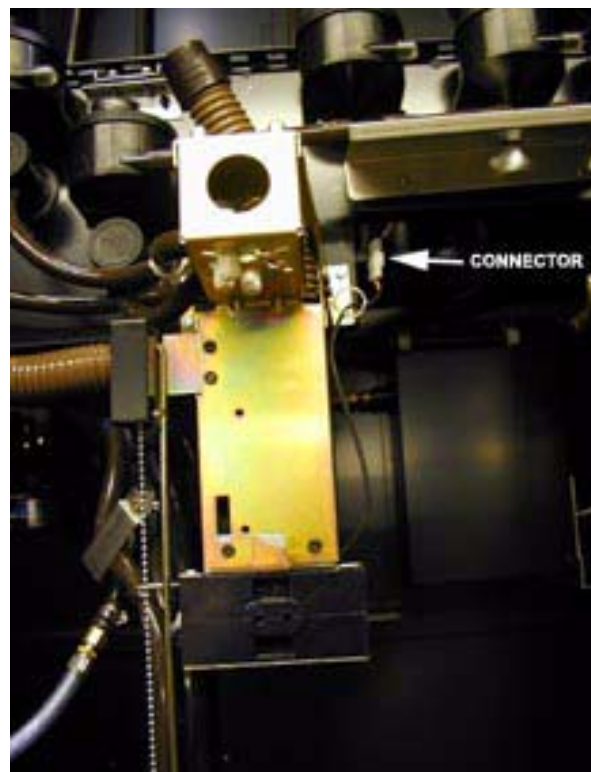


Figure 8

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7. Install the new cup station (see figure 9).
 8. Update new EPROM (see figure 10):
 - a. Remove the old EPROM and replace it with the one provided in the kit.

CAUTION

Make sure that the EPROM has been correctly installed. Damage could occur to the component and/or the Controller PCB if the EPROM is not correctly installed.

Observe proper static grounding procedures to prevent damaging circuitry.

9. See "Caution" attachment.

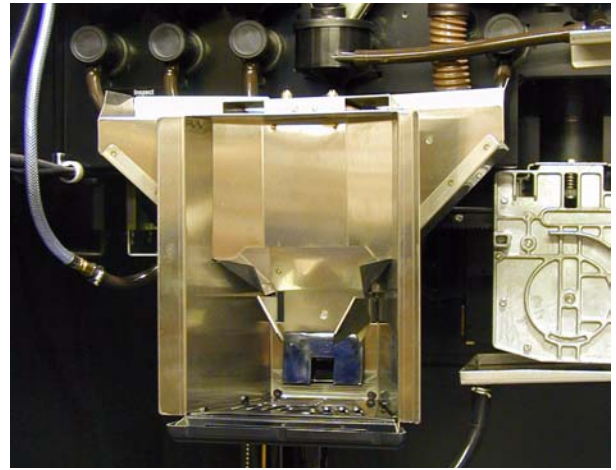










Figure 9



Figure 10

Part III. Verifying Operation:

1. Turn the power on.
2. Push , then  until the display shows *SURE.V ON* to make sure that SureVend™ is on. If something else is displayed, push  until *SURE.V ON* is in the display.
3. Press  until the display shows *OPT'NSURE.V*. If *MUSTSURE.V* is displayed, push  until *OPT'NSURE.V* is displayed.
4. Press , then press  until the display shows *IN.MKPHL12*. An 'M' should appear in the 1st digit to the right of the decimal point when you block the mug sensor. A dash (-) should appear in this location if the cup station is empty.
5. Press  until the display shows *CALLST XXX*. Note the number in the right hand side of the display.
 - a. If this number is either **0** or **255** with the cup station empty there is a problem with the installation. Although **51** through **254** are valid numbers, this reading is usually between **180** and **254** with the J2 jumper on the IR sensor interface board in the factory set position.
6. If all is OK to this point, cycle the door switch by pushing it in and then releasing. There shouldn't be any SureVend™ related diagnostics on the display.
7. Be sure to clear all the individual data fields for the SureVend™ counters if they are non-zero.