

Instructions for Café III/IV Blended Drink, Extra Strong Drinks, and New Filter Paper Bracket Upgrade Kits, Part Numbers 6800060, 6800061, 6820020, 6820021

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

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

This kit contains the following parts per model and language:

PART NUMBER	DESCRIPTION	MODEL, KIT NUMBER, LANGUAGE			
		NOTE: SHADED BOXES INDICATE WHICH PARTS ARE INCLUDED IN THE KIT.			
		CAFÉ III		CAFÉ IV	
		6800060	6800061	6820020	6820021
		English	French/Can	English	French/Can
6800056	CAFE III & CAFE IV-SETUP GUIDE				
6800057	QUICK REFERENCE GUIDE-CAFE 3/4				
6800058	GUIDE-COIN MODULE				
6802061	MEMBRANE SEL.ASSY-CAFE 3-U.S.				
6802064	MEMBRANE SEL.ASSY-CAFE 3-CAN/FR				
6802065	LABEL-MENU INSERT-ENGL				
6802068	LABEL-MENU INSERT-CAN/FR				
6802069	SERVICE KEYPAD ASSY				
6802070	LABEL-CAFE 3-LOGO/INSTRUCTION-ENGL				
6802073	LABEL-CAFE 3-LOGO/INSTRUCTION-CAN/FR				
6806024	IC ASSEMBLY-VERSION 680.06				
6822025	MEMBRANE SEL.ASSY-CAFE 4-U.S.				
6822028	MEMBRANE SEL.ASSY-CAFE 4-CAN/FR				
6822029	LABEL-CAFE 4-LOGO/INSTRUCTION-ENGL				
6822032	LABEL-CAFE 4-LOGO/INSTRUCTION-CAN/FR				
6804076	BRACKET WELD ASSY.-FILTER PAPER				
6804087	SPRING-BRKT.ASSY-FILTER PAPER				

Part I. Replace the Service Keypad Assembly.

1. Disconnect power.
2. Open the door.
3. Note the routing of the service keypad ribbon cable and connector (see figure 1). Disconnect the service keypad from the service display board.
4. Remove the service keypad from the PCB cover.
5. Discard the service keypad.
6. Connect the new service keypad (6802069) to the service display board in the same orientation as the keypad removed in step 3. Pull off the paper backing material and apply it to the PCB cover in the same position as the removed part.

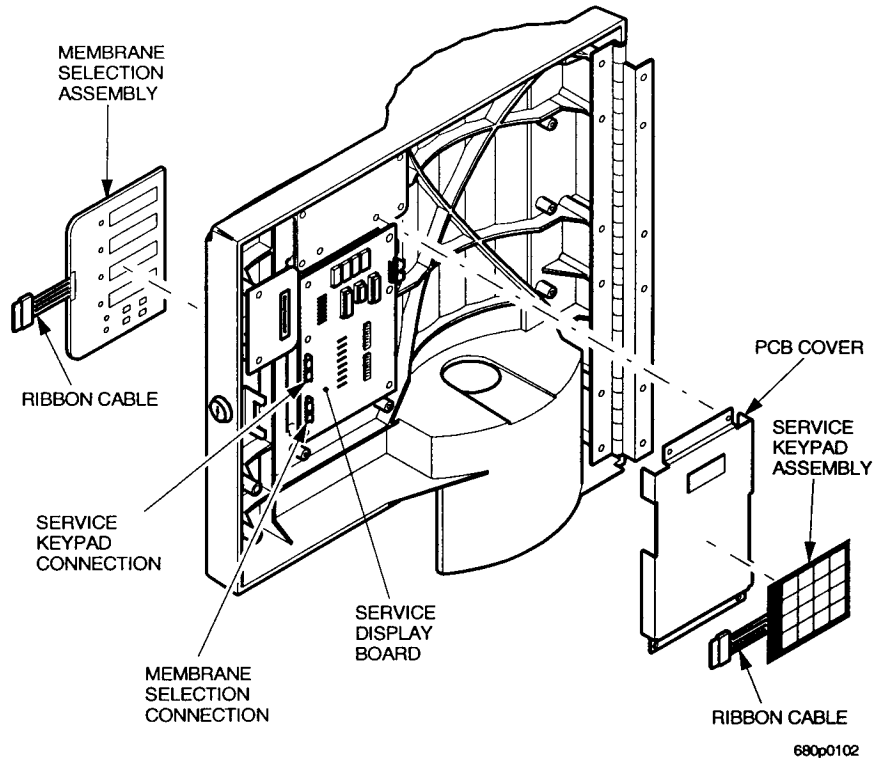


Figure 1

Part II. Replace the Membrane Selection Keypad Assembly.

1. Note the routing of the membrane selection keypad ribbon cable and connector (see figure 1). Disconnect it from the service display board.
2. The membrane selection keypad assembly is assembled to the door with an adhesive back. Remove the membrane selection keypad assembly from the face of the door.
3. Discard the membrane selection keypad assembly.
4. Route the new membrane selection keypad assembly connector through the door and connect it to the service display board in the same orientation as the keypad removed in step 2. Pull off the paper backing material and apply it to the door in the same recessed bezel area as the removed part.

Part III. Application of the optional LOGO/INSTRUCTION LABEL.

1. The LOGO/INSTRUCTION LABEL is supplied to provide additional instruction on the front of the machine for the end customer.

NOTE
Applying this label is optional.

2. If you choose to apply this label, remove the paper backing material and apply it directly over the top of the original Café III or Café IV logo (see figure 2).

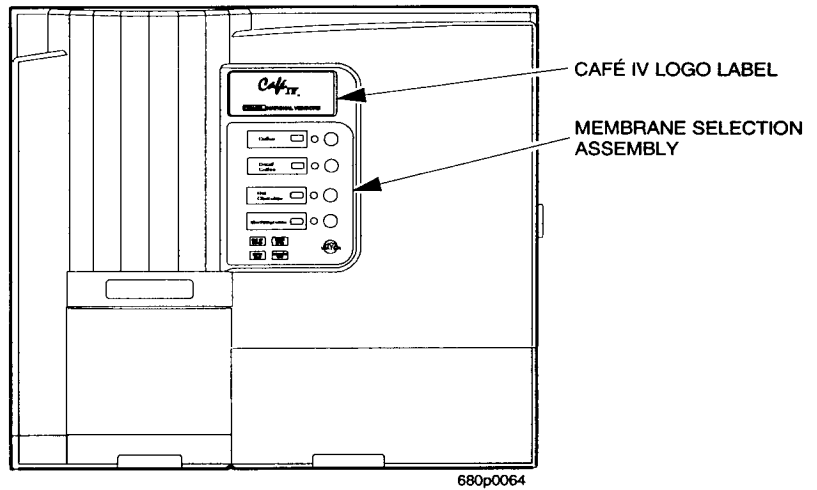


Figure 2

Part IV. Replacing the EPROM assembly.

1. Rotate the canister chutes upward as shown (see figure 3).
2. Slide out the canister shelf and remove the product canisters.

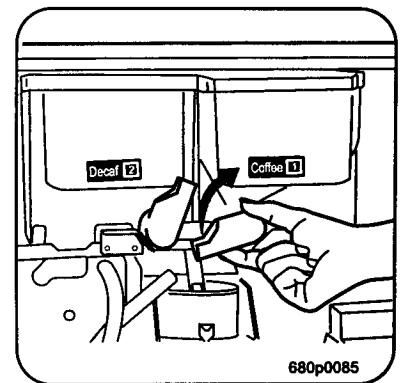


Figure 3

- Remove the electronics cover by removing the two screws on the front right corner of the cover and the two screws located on the back left corner of the cover (see figure 4)

CAUTION

Do not remove the new EPROM from its shipping carton until you are ready to use it.

CAUTION

Observe electrostatic discharge precautions (page 7) to protect the electronics from damage while they are being handled. Wear a grounded wrist strap connected to any unpainted metal part of the machine. If a wrist strap is not available, remove any electrostatic charge (static electricity) from yourself by touching any unpainted metal part of the machine before handling any electronic component. Do this often during the removal and installation process.

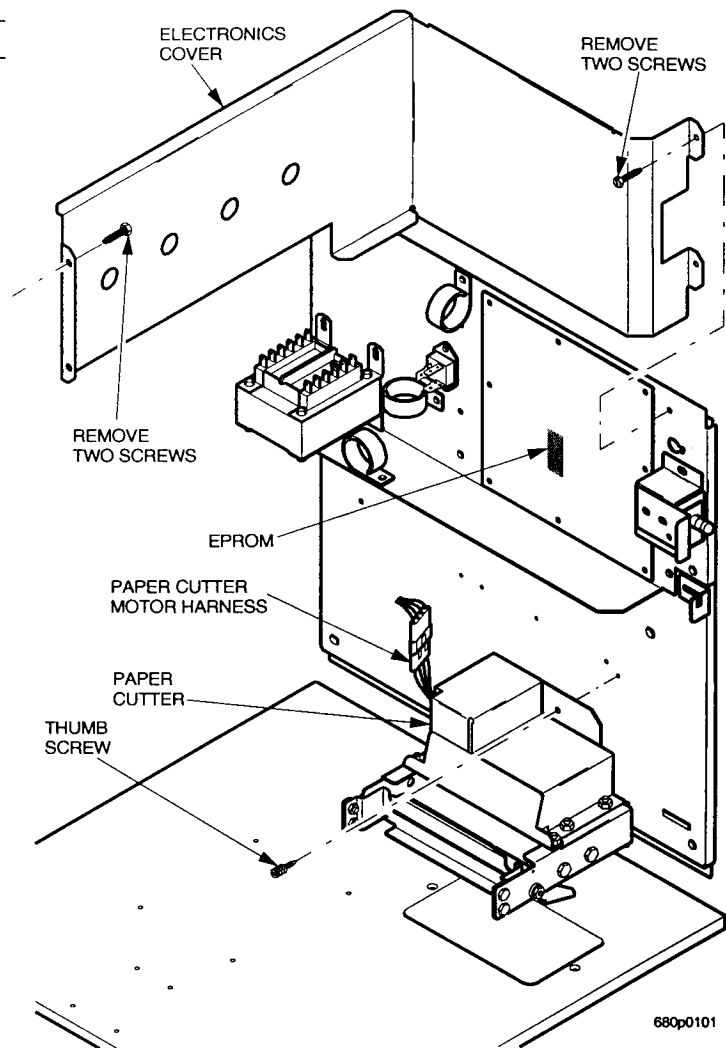


Figure 4

- On the figure, see the shaded area representing the EPROM. These devices have various means of showing how they are to be oriented on the circuit board. Some EPROMs will have a small notch which matches the notch printed on the controller board. Other EPROMs may have a small dimple, others may have a painted stripe. Take note of where the locating mark is on the EPROM currently mounted on the controller board. Your new EPROM will be placed in that same orientation.
- Carefully remove the old EPROM from the controller board. Use an EPROM removal tool or a thin tool such as a small screwdriver or knife blade to gently rock the EPROM from its socket.
- Carefully insert the new EPROM in the controller board. **MAKE SURE THE LOCATING MARK (NOTCH, DIMPLE, STRIPE) ON THE EPROM IS FACING THE SAME WAY AS ON THE OLD EPROM!** Make sure each of the pins is in its respective hole in the socket before pushing the EPROM into place.
- Carefully seat the EPROM into place using uniform pressure all around.
- Replace the controller cover using the same hardware you removed.
- Replace the electronics cover removed in step 3.

Part V. Replacing the Filter Paper Bracket Assembly.

CAUTION
VERIFY THAT THE MACHINE IS UNPLUGGED.

1. On the left side of the brewer, cut off and discard the spent filter paper.
2. Remove the grounds tray assembly.
3. Locate the paper cutter assembly and its motor harness (see figure 4). Disconnect the harness at the inline connection as shown.
4. Remove the thumb screw as shown (see figure 4). Keep the thumb screw.
5. Lower and remove the paper cutter from the machine. Keep the paper cutter.
6. Disconnect the tubing from the top of the brewer barrel.
7. Disconnect the tubing from the bottom of the screen and seal assembly.
8. Remove the brewer by pivoting the bottom of the brewer unit up toward you, lift upward slightly, and pull straight out.
9. Remove the remaining filter paper roll.
10. Remove the four screws securing the filter paper bracket and discard the bracket. Keep the four screws.
11. Install the new filter paper bracket with the screws from step 10.
12. Assemble the tensioning spring to the filter paper bracket as shown.

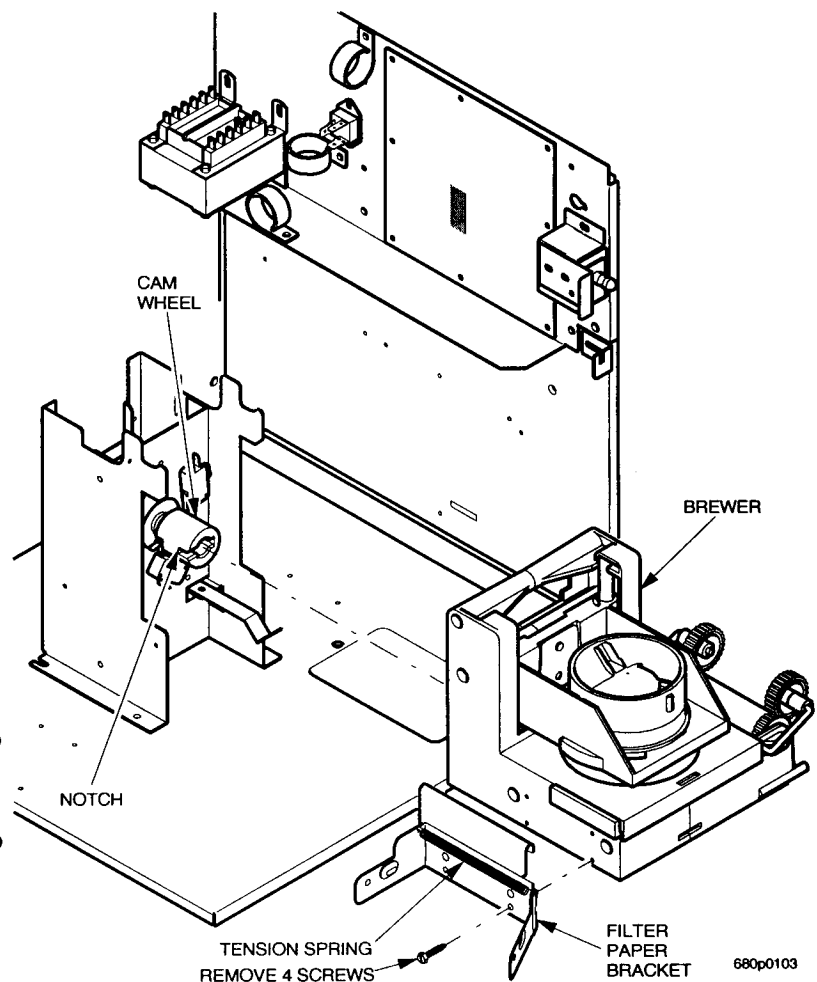


Figure 5

13. Re-install the brewer following the reverse order of disassembly. Note: Align the motor drive link so the notch in the cam wheel will capture the bearing.
14. Re-install the paper cutter assembly in reverse order of disassembly. Note: Connect the paper cutter harness from step 3. **Be sure the harness is routed clear of all moving parts.**
15. Install the grounds tray assembly.

16. Load the filter paper:

- a. (Wash your hands first). Insert a new filter paper roll by swinging the filter paper holder out (see figure 6) and inserting the roll on the shaft so it feeds from the bottom (see figure 7).
- b. Route the filter paper as shown *be sure it goes over the tension spring* (see figure 7). Lift the idler rollers, feeding the paper under them, but over the spring wire.

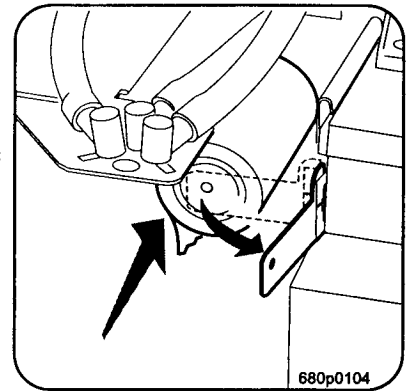


Figure 6

17. Reinstall the product canisters and slide the shelf in until it “clicks” into place.

18. Turn the canister chutes back down. The chutes must be resting on the chute stops or pointed straight down.

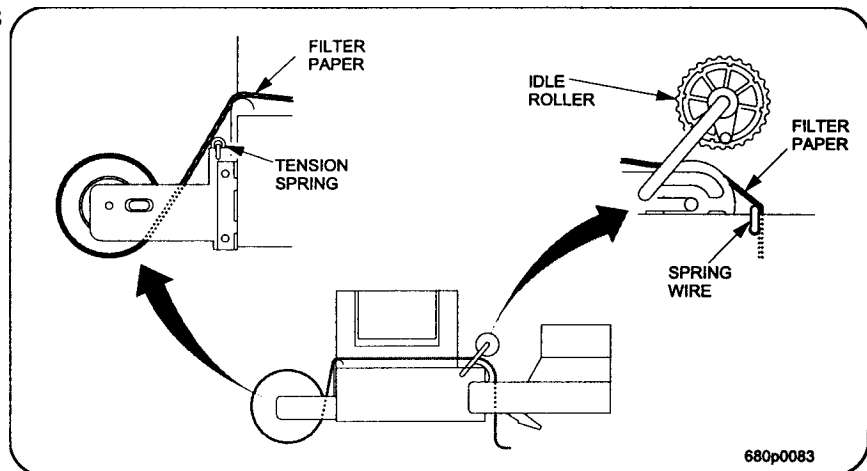


Figure 7

Part VI. Programming the drinks.

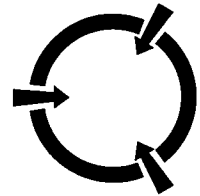
1. Apply power to the machine.
2. Initialize the machine, see “*Memory Initialization*” on page 22 of the *Setup Guide* supplied with this kit. Note: This must be done prior to programming the drink profiles and returning the machine to service.
3. To program the blended drink and extra strength settings for your selected drinks, see “*Adjust Products/Drink Profiles/Select Blend Configuration*” on page 17 in the *Setup Guide* supplied with this kit.

Part VII. Final Tests

1. Close the unit’s door and make one fresh brewed test drink.
2. Open the door and check to see if the filter paper advanced properly.
3. Close the door for normal operation.



CAUTION



PREVENTING CIRCUIT DAMAGE FROM ELECTROSTATIC DISCHARGE

Electronic printed circuit board assemblies are susceptible to physical damage, for example, broken components due to rough handling. In addition, printed circuit board assemblies (and their components, such as EPROMs) are subject to damage by various types of static electricity. Damage of this type is called **ELECTROSTATIC DISCHARGE (ESD)**. ESD can cause immediate damage to components on a circuit board assembly, or it can weaken them to the point where the damage will show up days, weeks, or months later.

PRECAUTIONS TO TAKE WHEN HANDLING PCB ASSEMBLIES

1. The PCB assembly is usually shipped in a cardboard shipping carton to prevent physical damage. Inside the carton, the PCB was placed in 1 of 3 types of closed protective bags: black translucent, smoked gray transparent, or pink transparent.
2. For storage, the best protection for the assembly is to leave it in its shipping carton. If it is removed from the carton, leave the assembly in its **CLOSED** storage bag while transporting, or until it is ready to be installed in a machine.
3. Before handling the PCB assembly, be sure you are wearing a conductive wrist strap or other suitable ESD protective device. The conductive wrist strap should be connected to ground in the machine. This can be any **PLATED** exposed metal part. **DO NOT CONNECT YOUR WRIST STRAP TO A PAINTED PART.**
4. Remove the new PCB assembly from its bag. Set the PCB assembly on top of the bag on a flat surface while you remove the old PCB assembly from the machine.
5. Pick up the new PCB assembly and set the old one down on the protective bag. Install the new PCB assembly in the machine.
6. Insert the old PCB assembly into the protective bag. Seal the bag.
7. If the old PCB assembly is to be returned to National Vendors, it is best to ship it in the same shipping carton you received with the new PCB assembly.