

**KIT PART NUMBERS 6360024 AND 6360026  
INSTRUCTIONS FOR CONVERTING AN EXISTING EUROBEV  
MACHINE TO A NESTLÉ CONFIGURATION**

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

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

**THIS KIT CONTAINS THE FOLLOWING :**

<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>KIT 6360026 QUANTITY (115 VOLT)</b>	<b>KIT 6360024 QUANTITY (230 VOLT)</b>
1212159	WIRE CLIP	5	5
1451097	SCREW-#8-32X.31 HEX HD.TF-BL	36	36
2206028	THUMB SCREW-SIDEWALL	4	4
3128092	SCREW-HILO-7-19 X 3/8 HEX WA	3	3
3157060	SCREW-#8-32 X .31 HEX W/ HD.	4	4
4305043	HARNESS CLIP-1.00	5	5
6208037	TUBING-SILICONE-.250 IDX.437	10-1/2"	10-1/2"
6208037	TUBING-SILICONE-.250 IDX.437	11-1/2"	11-1/2"
6208037	TUBING-SILICONE-.250 IDX.437	12-1/2"	12-1/2"
6208037	TUBING-SILICONE-.250 IDX.437	15"	15"
6208037	TUBING-SILICONE-.250 IDX.437	15"	15"
6232283	LABEL - WTR VALVE POSN - SPANISH	1	1
6232287	LABEL-EXHAUST FILTER INSP.-SP.	1	1
6232288	LABEL - CAUTION - HOT SURFACE - SP	2	2
6232290	LABEL - WRNG - HI VOLTAGE - SPANISH	2	2
6237099	CLAMP - TUBE	2	2
6330026	ADJUSTING SCREW ASSY#K-54059	6	6
6332052	SCREW-#8-16X1.25 PHS-PLASTIT	12	12
6338021	TUBING-SILICONE-.375 IDX.562	15"	15"
6338021	TUBING-SILICONE-.375 IDX.562	15"	15"
6338021	TUBING-SILICONE-.375 IDX.562	16-1/2"	16-1/2"
6338021	TUBING-SILICONE-.375 IDX.562	26-1/2"	26-1/2"
6338021	TUBING-SILICONE-.375 IDX.562	26-1/2"	26-1/2"
6338021	TUBING-SILICONE-.375 IDX.562	28"	28"
6338058	COVER-HOT WATER VALVES	1	1
6339025	HARNESS-WHIPPER MOTOR SUPPRE	6	6
6360023	TEMPLATE-DRILL-STIR STICK	1	1
6360027	OPERATOR'S GUIDE-NESTLE VEN.	1	1
6361064	BRACKET-CANISTER SUPPORT-RT.	1	1
6361065	BRACKET-CANISTER SUPPORT-LT.	1	1
6361066	TRAY-VENT	1	1
6361067	BRACKET-PLACEMENT	1	1

**THIS KIT CONTAINS THE FOLLOWING (CONTINUED):**

<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>KIT 6360026 QUANTITY (115 VOLT)</b>	<b>KIT 6360024 QUANTITY (230 VOLT)</b>
6361068	WELD ASSY-CANISTER SHELF	1	1
6362042	UPPER INSERT-NESTLE-SPANISH	1	1
6736001	PCB ASSY-HOT DRINK INTERFACE	1	1
6367046	HOOD-STEAM	6	6
6367047	BOWL-MIXING	6	6
6367048	BODY-WHIPPER-HORIZONTAL	6	6
6367049	BASE-WHIPPER W/O RING/SEAL	6	6
6367053	WELD ASSY-SUGAR CHUTE	1	1
6367057	DEFLECTOR-HEATER	2	2
6367058	BRACKET-SPOUT HOLDER	1	1
6367059	CHUTE-PRODUCT-WELD ASSY	6	6
6367071	RESTRICTOR-COFFEE	1	1
6367072	MOTOR-WHIPPER-NESTLE-VEN.	6	6
6367078	RETAINER-BULKHEAD FITTING-LH	1	1
6367079	RETAINER-BULKHEAD FITTING-RH	1	1
6368006	TUBING-SILICONE-.125 X .25	8"	8"
6369001	JUMPER-POWER TO VEND HEATERS	-	1
6369002	JUMPER-120V-VEND HEATERS	1	-
6369004	LIST-HARNESSES	1	1
6369005	JUMPER-STIRRER DISPENSER	1	1
6530005	ENLUBOL GREASE AA-2	A/R	A/R
6531012	LABELS - CANISTERS - SPANISH	2	2
6537022	CANISTER ASSY-FD COFFEE	1	1
6559001	HARNESS-DOOR TO DOOR PCB-DC	1	1
6559008	HARNESS-WHIPPER	1	1
6559012	JUMPER-SHELF HEATER	1	1
6807003	IMPELLER-WHIPPER	6	6
6807006	SCREW CAP	12	12
6807010	BULKHEAD ADAPTOR W/"O" RING	6	6
P6361072	SUPPORT ASSY-CUP STA-NES.VEN	1	1
P6361075	CUP DELIVERY ASSY-NEST.VEN.	1	1
P6361077	HEATER ASSY-230V/50W-NEST.VE	2	2
P6362064	STIR STICK DISPENSER ASSY - 230V	-	1
P6362066	STIR STICK DISP. ASSY - 115V	1	-
P6366004	I.C.ASSEMBLY-VER. 636.W02	1	1
P6367073	HOSE ASSY-18"	1	1
P6367074	SPOUT HOLDER ASSY-NESTLE VEN	1	1
P6367076	CANISTER ASSY-SUGAR-NES.VEN.	1	1
P6367077	CANISTER ASSY-PRE MIX-NES.VE	5	5
WD636000	W.D.-HOT BEVERAGE-115V/230V	1	1

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## TOOLS NEEDED

FLAT BLADE SCREWDRIVER
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PHILLIPS SCREWDRIVER
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NUT DRIVER, 1/4"
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DRILL, DRILL BIT .140 (3.5 MM) DIAMETER
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<b><i>NOTE: AN ELECTRIC SCREWDRIVER IS RECOMMENDED, BUT NOT NECESSARY. THIS WILL ONLY HELP THE PROCESS MOVE ALONG FASTER.</i></b>
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**Proceed as follows:** Kit assumes all 200RPM motors with original equipment. if you have a 60RPM motor, order p/n 6408001X for 230V machines, p/n 6237436X for 115V machines. This kit also assumes that the machine is equipped with all 6 valves.

1. Turn power off and unplug the machine.

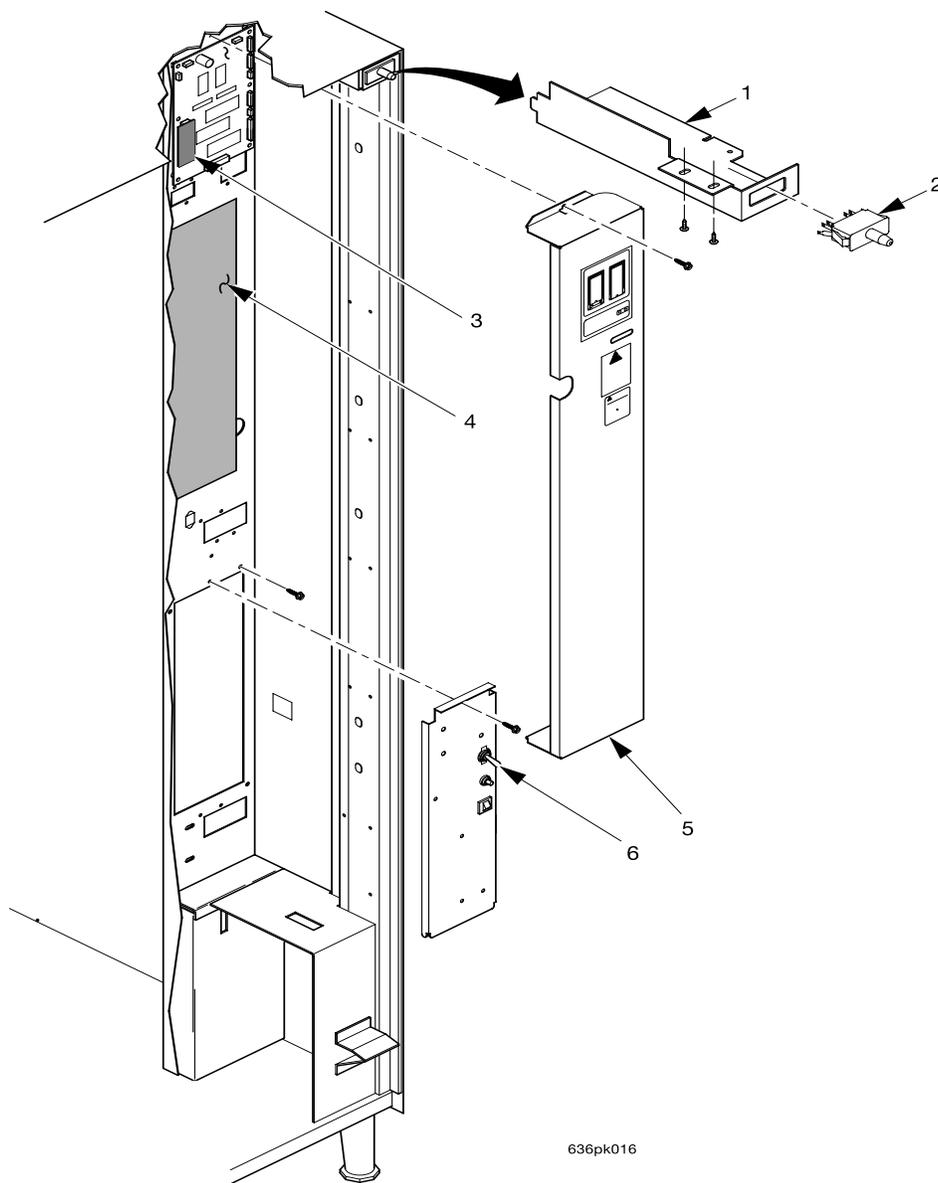
**NOTE**

*Unless otherwise noted all removed parts can be discarded.*

2. Remove the PCB cover (retain), interface PCB assembly, and EPROM(See Figure 1). See the EPROM handling information at the end of these instructions.

**Legend**

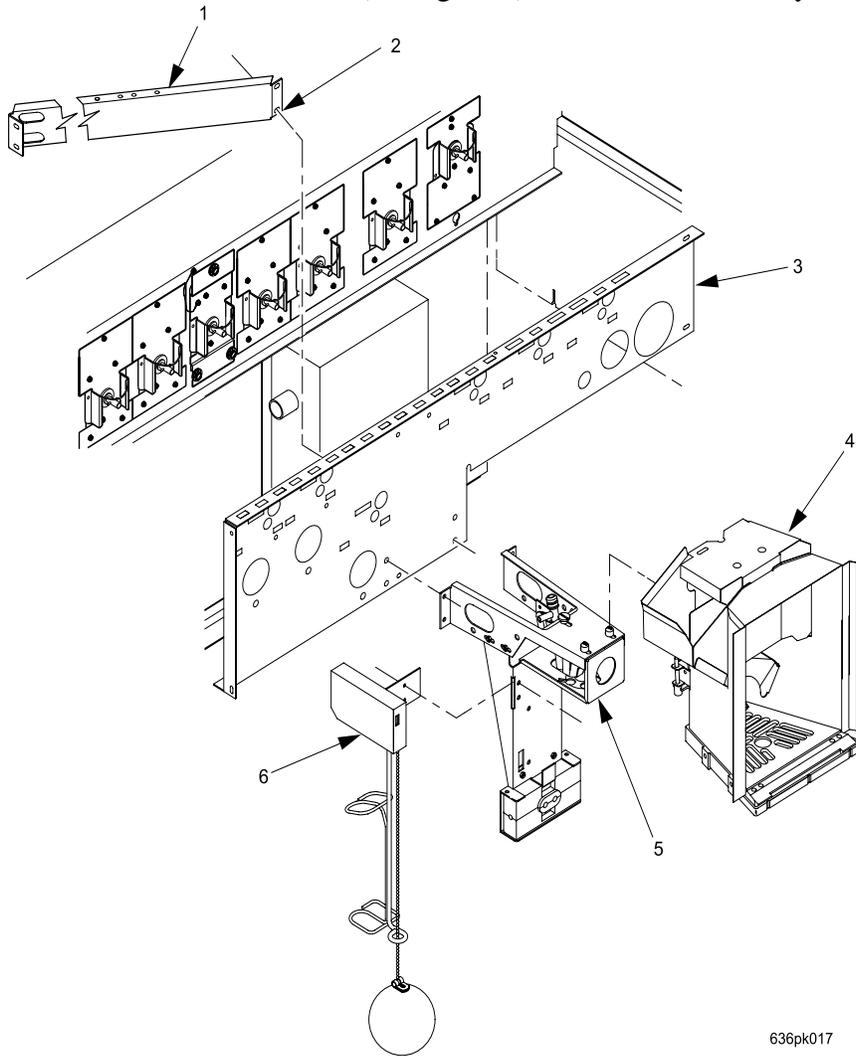
1. Interlock switch bracket
2. Interlock switch (Items 1 and 2 are the interlock switch assembly)
3. EPROM
4. Interface PCB assembly
5. PCB cover
6. Power switch



**Figure 1**

- Remove the cup station, the overflow switch assembly, and the cup station support assembly from the canister shelf (see figure 2). The switch assembly will be used in reassembly.

**Legend**

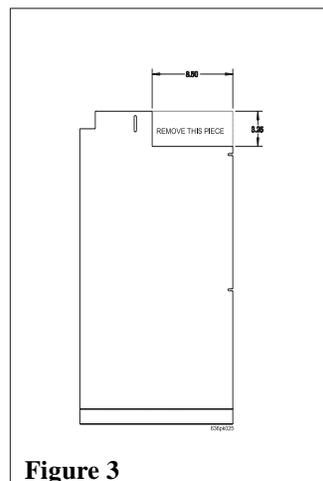


- Rear Angle brace
- Disconnect this end from shelf
- Vent tube end
- Canister shelf
- Cup station
- Overflow switch assembly

**Figure 2**

636pk017

- Remove the current water shield. Make modifications by removing the upper corner. (See Figure 3).

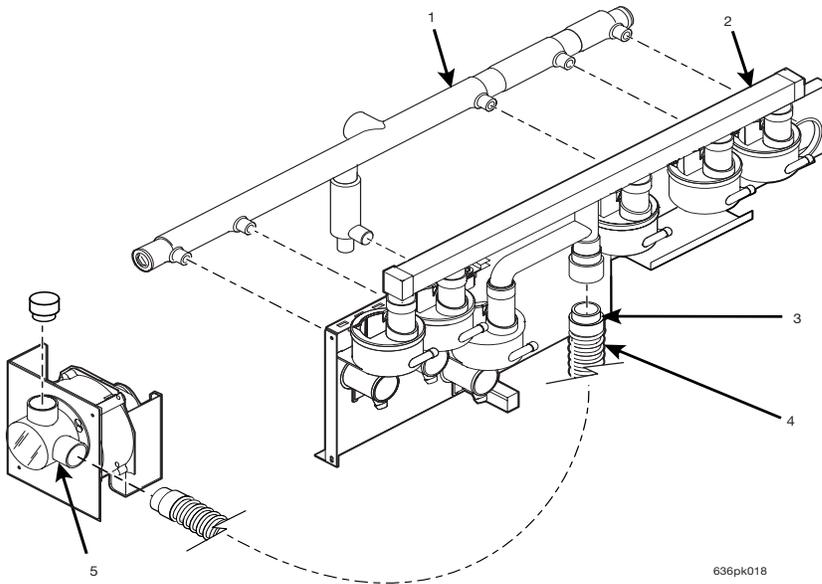


**Figure 3**

5. If installed, remove the optional ingredient drink tray P/N 624-1008 and discard. It cannot be used again.

**Legend**

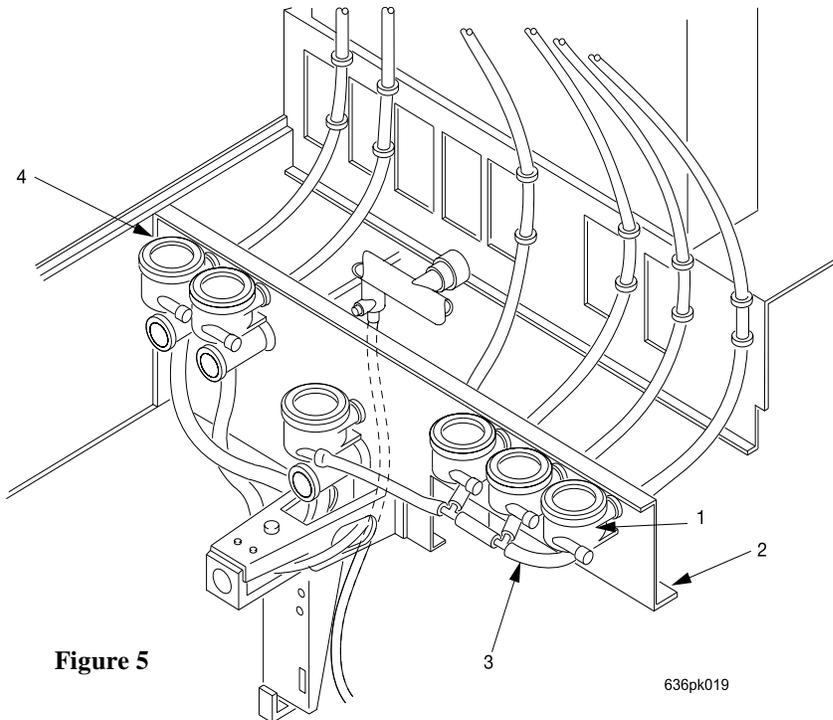
1. Rear vent assembly
2. Front vent assembly
3. Vent tube end
4. Vent tube
5. Blower



**Figure 4**

**Legend**

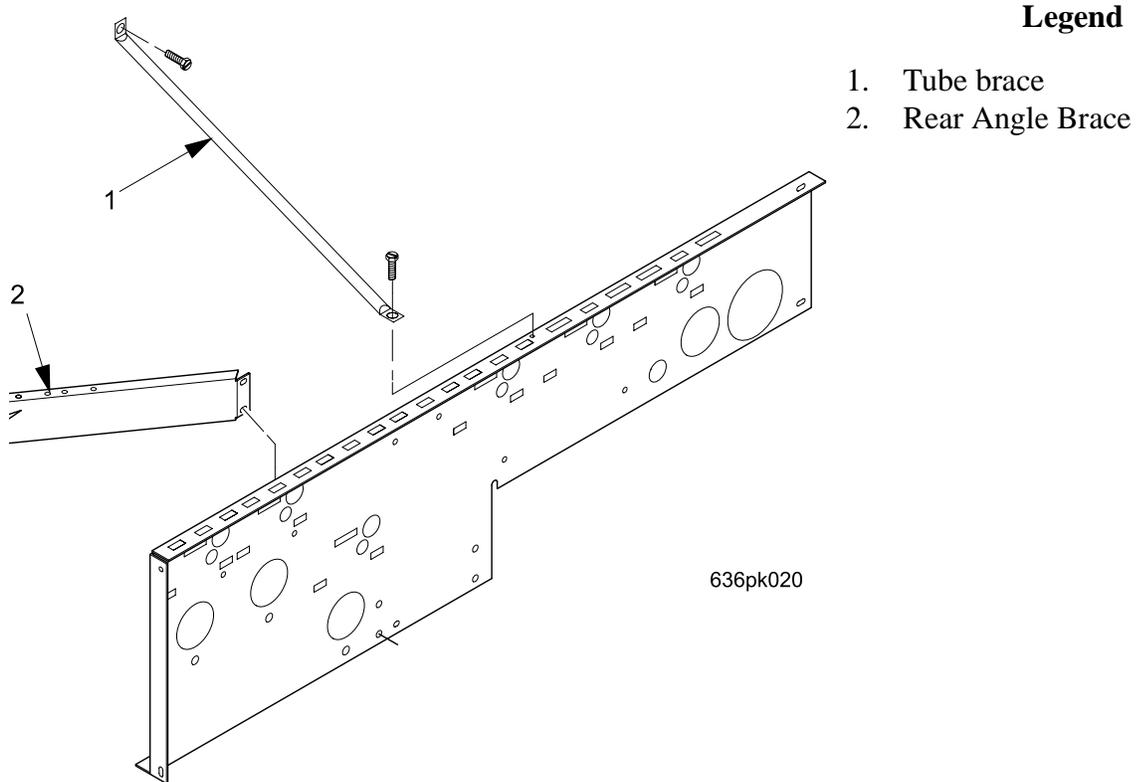
1. Mixing Bowl
2. Canister shelf
3. Tubing
4. Retainer brackets



**Figure 5**

6. Remove the front vent assembly, canisters, rear vent assembly (See Figure 4), mixing bowls, and tubing that is connected to the dispensing nozzles (See Figure 5)

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7. Disconnect the rear angle brace and the tube brace (See Figure 6) from the shelf. Remove the front canister shelf, retainer brackets (mounted on the cabinet side walls), and the whipper/cup mechanism auto door harness. Leave the braces in for later use.



**Figure 6**

8. Remove the hot water valves cover(See Figure 7).
9. Remove the screws holding the interlock switch assembly(See Figure 1). Drop the assembly down and run the shelf heaters [6369001 (230 volt machine) or 6369002 (120 volt machine)]use existing power harness jumper P/N 6369001 (if the machine is so supplied), through the hole in the back of the monetary unit. Plug the harness into the open connector in the interlock switch. Screw the interlock assembly back into place. The other end is routed down the back side of the monetary unit and will be plugged into the shelf heater right and the shelf heater left extender harness (6559012 Jumper-Shelf Heater) (installed later).

10. Change the water valve adjusting screw in all 6 valves(See Figure 7):

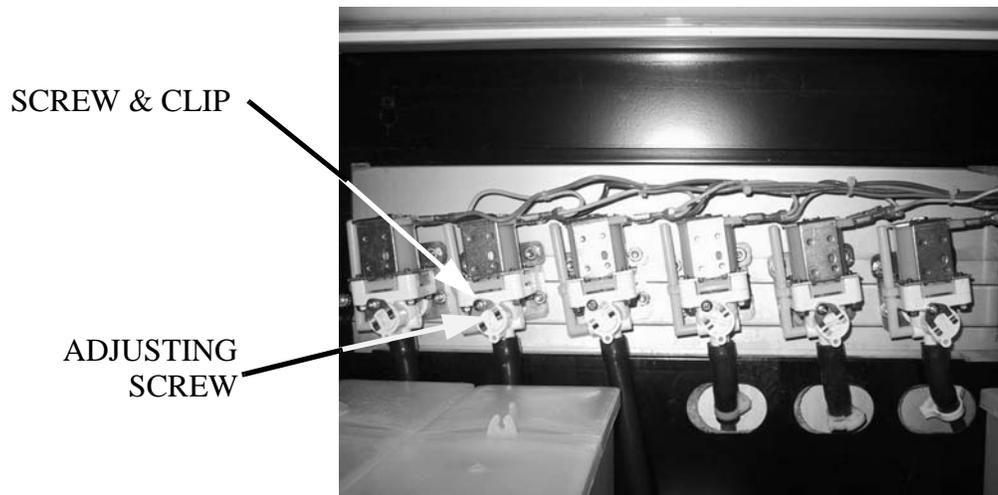
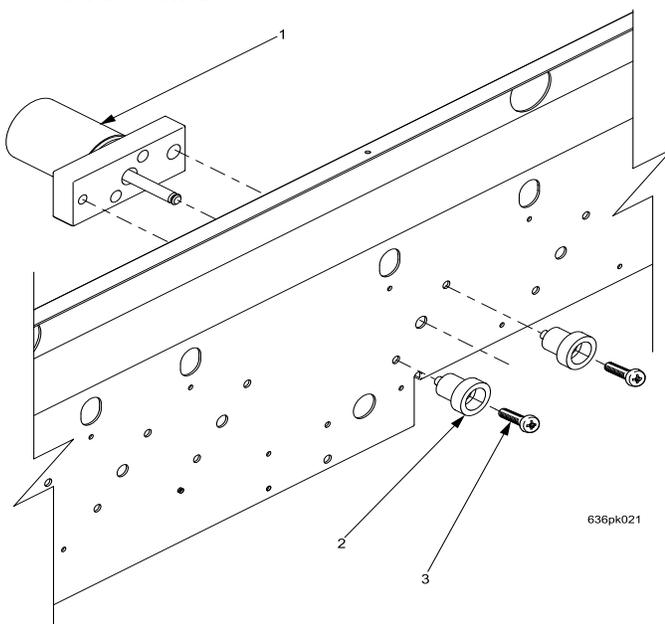


Figure 7

- a. Drain approximately 1/3 of the water from the tank to get the water level below the water valves.
- b. Loosen the screw holding the adjuster retainer clip on all 6 valves and rotate the clip up out of the way of the adjusting screw. Screw the plastic adjusting screw clockwise until the adjuster assembly pops out so it can be removed. Replace with the new assembly (6330026 Adjusting Screw Assembly) that has a rounded end. Rotate the clip back into place and tighten the retainer screw. Install new water valve cover (6338058) and water valve positioning label (6232283).

11. Assemble the new (6361068) canister shelf with 2 clamps (4305043) on right side and three clamps (4305043) on left side (refer to the clamp position on the removed shelf). Add the 6 whipper motors (6367072), (6807006) screw cap, and plastite screw (6332052)(See Figure 8). Then add the (6339025) whipper jumper harness. Install Label-Exhaust Filter Insp.-Sp. To front of shelf. **NOTE:** The BLACK lead must go on red dot connection on whipper and red wire on other terminal.



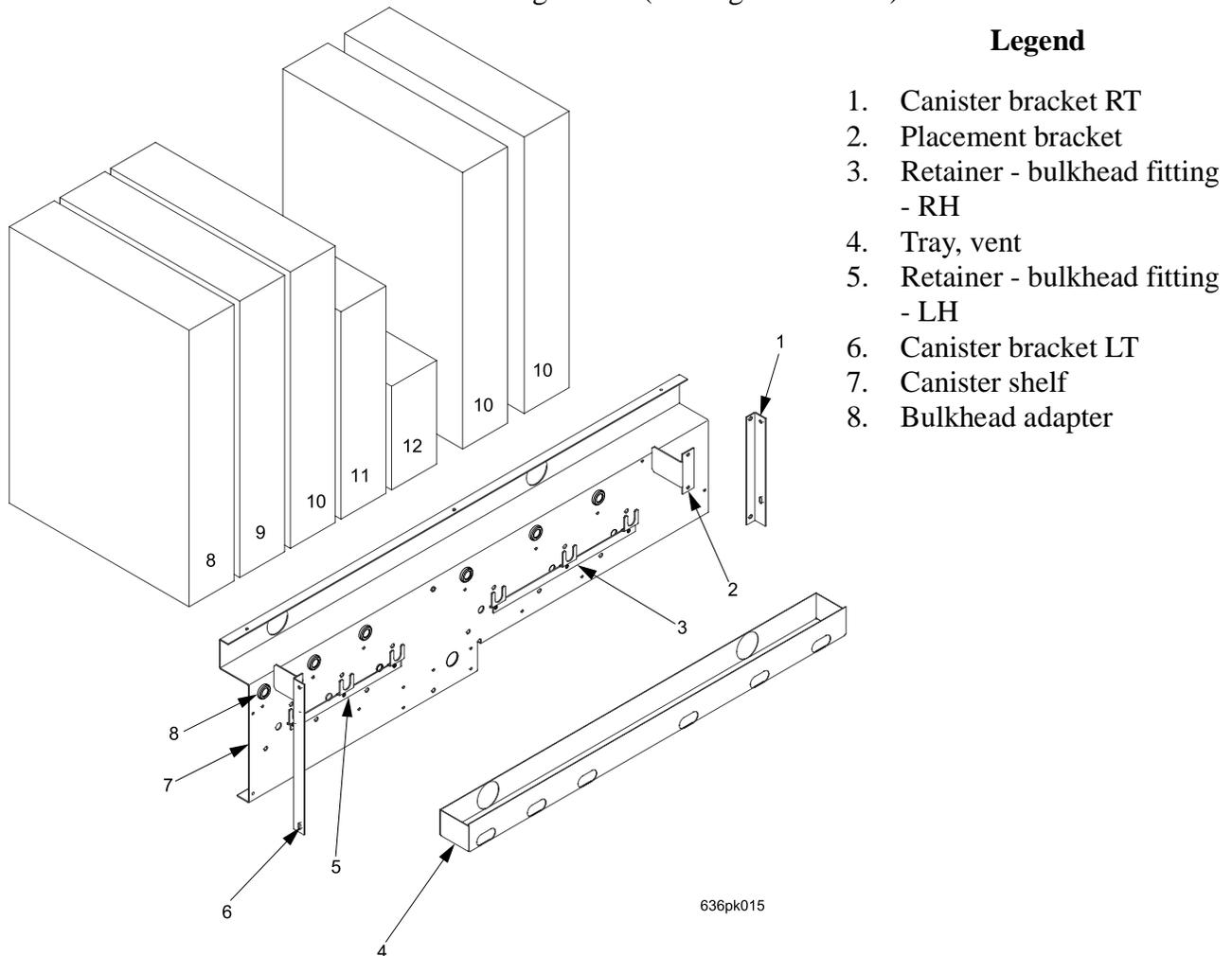
**Note:** On older EuroBev's this equipment is connected to a Purple/White connector. On the "H" selection; to fix this motor, unplug the Purple/White connector and reach up between the motor opening and pull out a Pink/Yellow connector. Connect the motor to this new connector and the "H" selection will work.

**Legend**

1. Whipper motor
2. Screw cap
3. Plastite screw

Figure 8

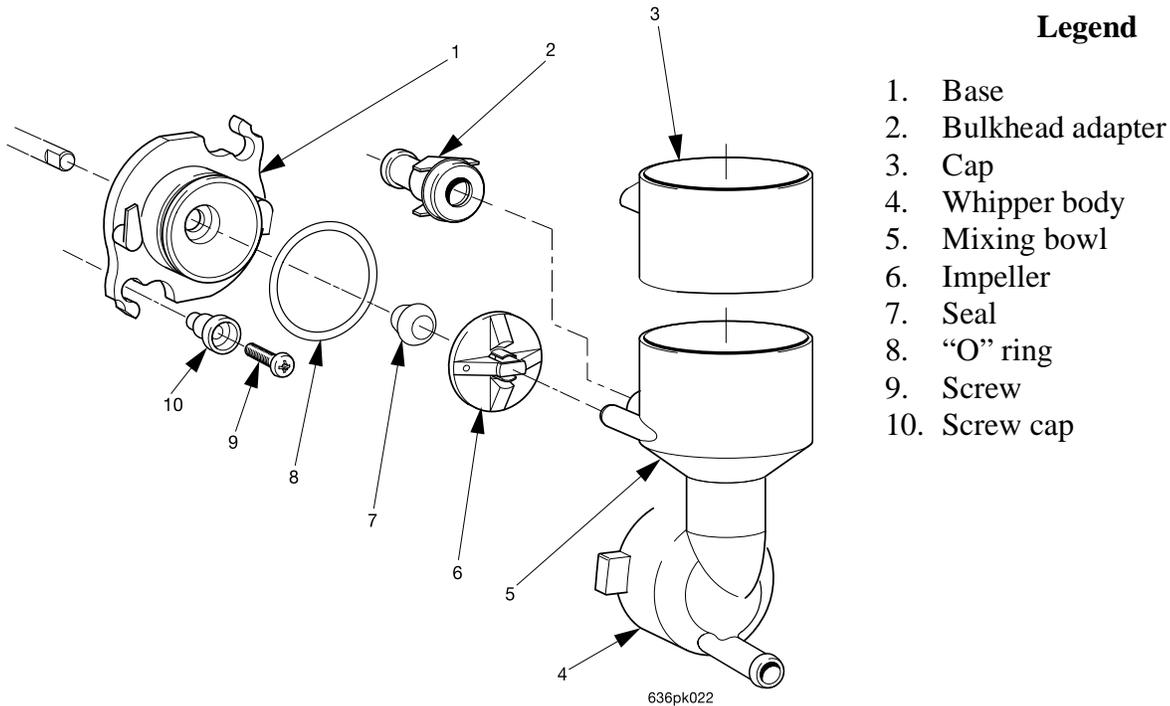
12. Loosely attach the canister bracket RT and canister bracket LT to the shelf with included screws, then securely attach the placement bracket. Fit the shelf assembly in the cabinet and tighten all screws in brackets and cabinet. Reinstall the tube braces between the back auger motor shelf and the canister shelf. Reinstall the rear angle brace(See Figures 2 and 6).



**Figure 9**

13. Refer to the EPROM handling sheet at the end of these instructions. Install the new I.C. assembly (P6366003) and PCB Hot Drink interface (6736001). Connect all harnesses. Install the new door to door PCB-DC harness (6539001) - route in clamps and on left side of machine. Install the new whipper harness (6559008) - route behind shelf in clamps on bottom flange of shelf like the removed shelf. Connect to whippers.
14. Install the vent tray(See Figure 9). Connect the supplied vent hose assembly (6367073) in left side back vent hole of the shelf and on the vent cap after removing the plug. The existing vent hose will be plugged into the right side back vent hole.

15. Install the bulkhead adapters in the canister shelf(See Figure 9 and 10). Install the retainer bulkhead fitting LH (6367078) and RH (6367079). Note: The "O" ring in the bulkhead adapters have been LUBRICATED with a food grade lubricant. (DO NOT REMOVE)

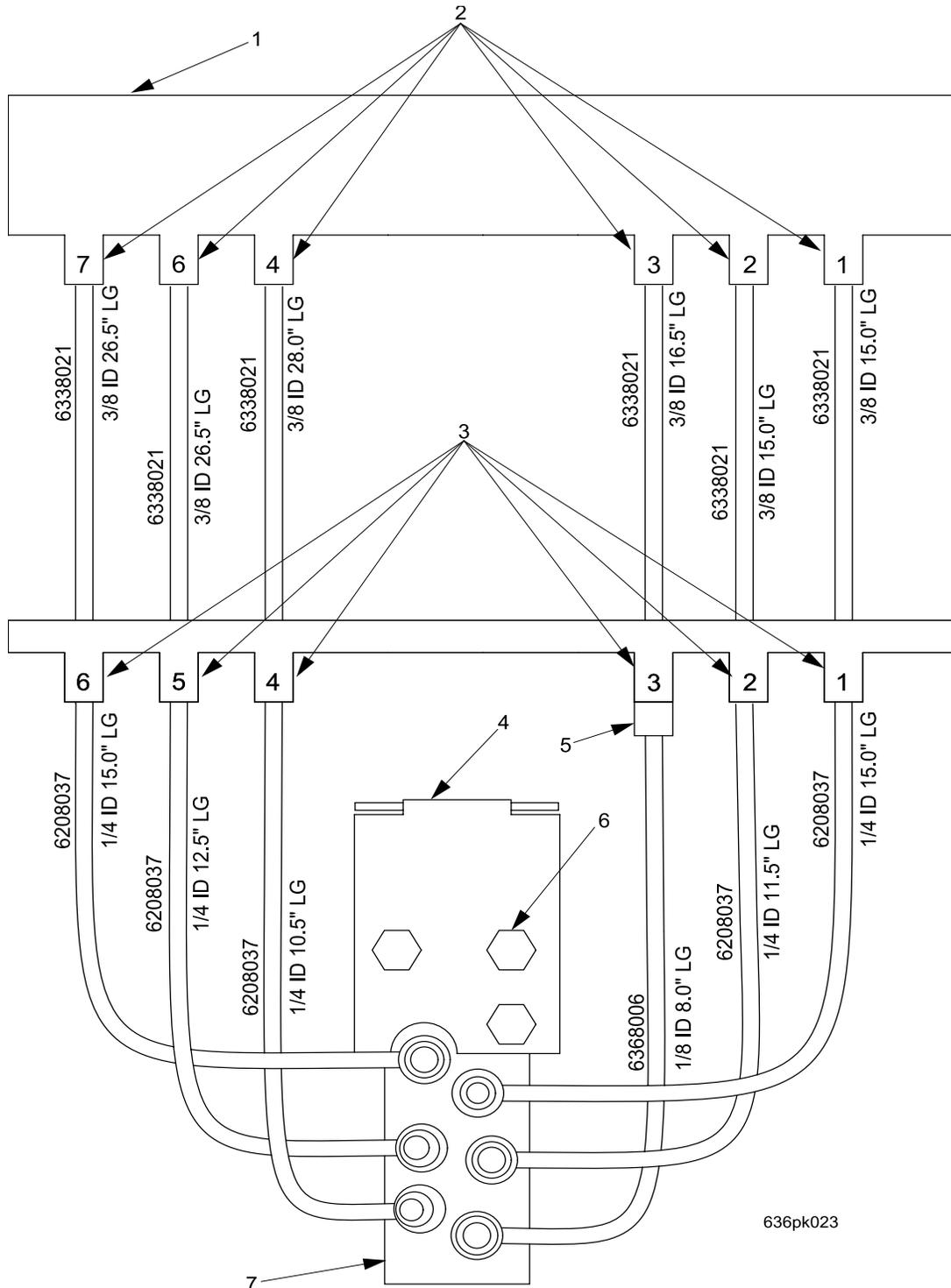


**Figure 10**

16. Remove the tubing from the water valves and replace it with the new tubing (supplied). Tubing will route from each valve to the bulkhead adaptor (6807010), as numbered from right to left and as shown(See Figures 11 and 12). Trim tubing as required to eliminate all traps.



**Figure 11**



- Legend**
- 1. Tank
  - 2. Valves
  - 3. Whippers
  - 4. Bracket - spout holder
  - 5. Restrictor - coffee
  - 6. Screw-HILO-7-19 X 3/8 Hex Wash
  - 7. Spout holder assembly

Figure 12

17. Install new cup station support assembly (6361072)(See Figure 13) using 4 screws (1451097). Replace overflow switch assembly 2 screws (1451097) from step 2(See Figure 2).

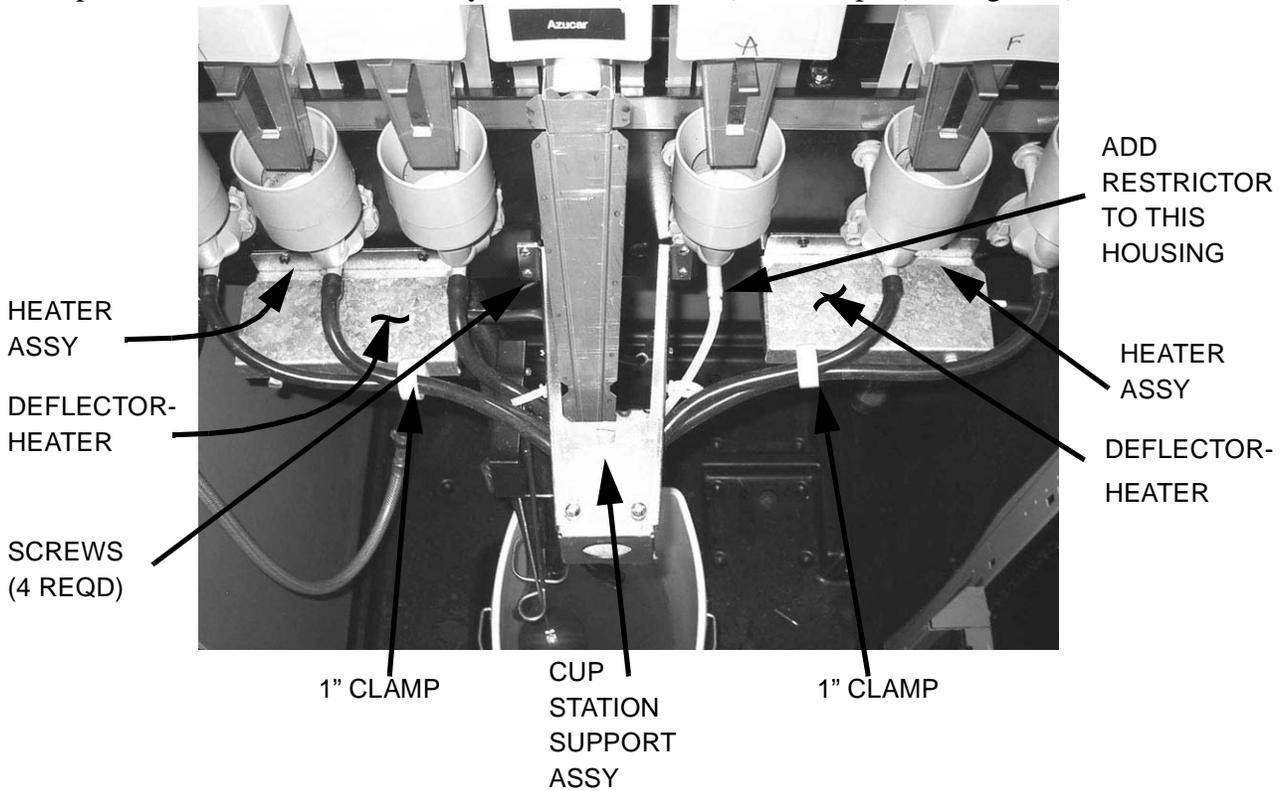


Figure 13

18. Install heater assembly (6361077)(See Figure 13) on the left side of shelf to holes provided, along with one ground wire on the right screw provided with heater assembly. Connect the shelf heater jumper (6559012) and route behind the shelf in whipper harness clamps. Connect the jumper to one side of the heater harness from the interlock switch. Install the other heater assembly (6361077) on right side with one ground wire on left screw. Route the connector behind the shelf and connect to the other connector from the interlock switch. Connect the two ground wires to an open hole in the rear angle brace behind the shelf(See Figure 2). Add one deflector heater (6367057) to each heater with thumb screw (2206028) adding two 1" clamps: one on the right side of the left heater and one on the left side of the right heater with the loop up to control the tube routing.
19. Install the mixing bowl/whipper assemblies (See Figures 10 and 13). Check that the back side of the seal is greased before installing the whipper base (6367049). Do not remove this grease. Install the whipper bases, whipper impeller (6807003), whipper housing body (6367048), mixing bowl (6367047), and steam hood (6367046) on all six whipper motors. Add the coffee restrictor (6367071) to the third whipper housing (6367048) outlet, push it in until the larger diameter stops against the spout. Assemble the spout holder assembly (6367074) to the spout holder bracket (6367058) using three screws (3128092)(See Figure 13). Install the tube (6368006 .125 I.D.) on the front spout right side with spout holder assembly facing you and the bracket facing away and large diameter of the spout up. The spout assembly can now be placed on the support assembly with the screw holes provided. Angle the assembly about 5 to 10 degrees with the spouts to the right.

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20. Replace the tubing from the mixing bowl/whipper to the spout assembly(See Figures 12 and 13). Assemble the tubing from right to left tube (6208037) 15.0" on #1 whipper through clamp and to the third spout back on the right side of the spout assembly. Tube (6208037) 11.5" on #2 whipper through clamp and to the second spout back on the right side. Tube (6368006) 8.0" through added clamp (6237099) on support assembly side to restrictor coffee in #3 whipper. Tube (6208037) 11.5" on #4 whipper through added clamp (6237099) on support assembly side to the most front spout on the left side of assembly. Tube (6208037) 12.5" on #5 whipper through clamp on heater to second spout back on spout assembly. Tube (6208037) 15.0" on #6 whipper through clamp on heater to last spout on spout assembly.
  21. Install the product canisters(See Figure 9). From right to left install two (6367077) canister assemblies premix, one (6537022X) canister assembly FD coffee, one (6367076) canister assembly sugar, three (6367077) canister assemblies premix. (See Figure 14). Install product chutes on all canisters except sugar(See Figures 14 and 15). To install, lower the chute into the mixing bowl. Then, position the chute around the canister nozzle and lift the spring clip on the chute to capture it behind the shoulder on the upper surface of the canister nozzle. Insert the sugar chute in the hole provided in the cup station support assembly and attach it to the sugar nozzle(See Figure 14). Mount the cup station (6361075) on the cup station support assembly.

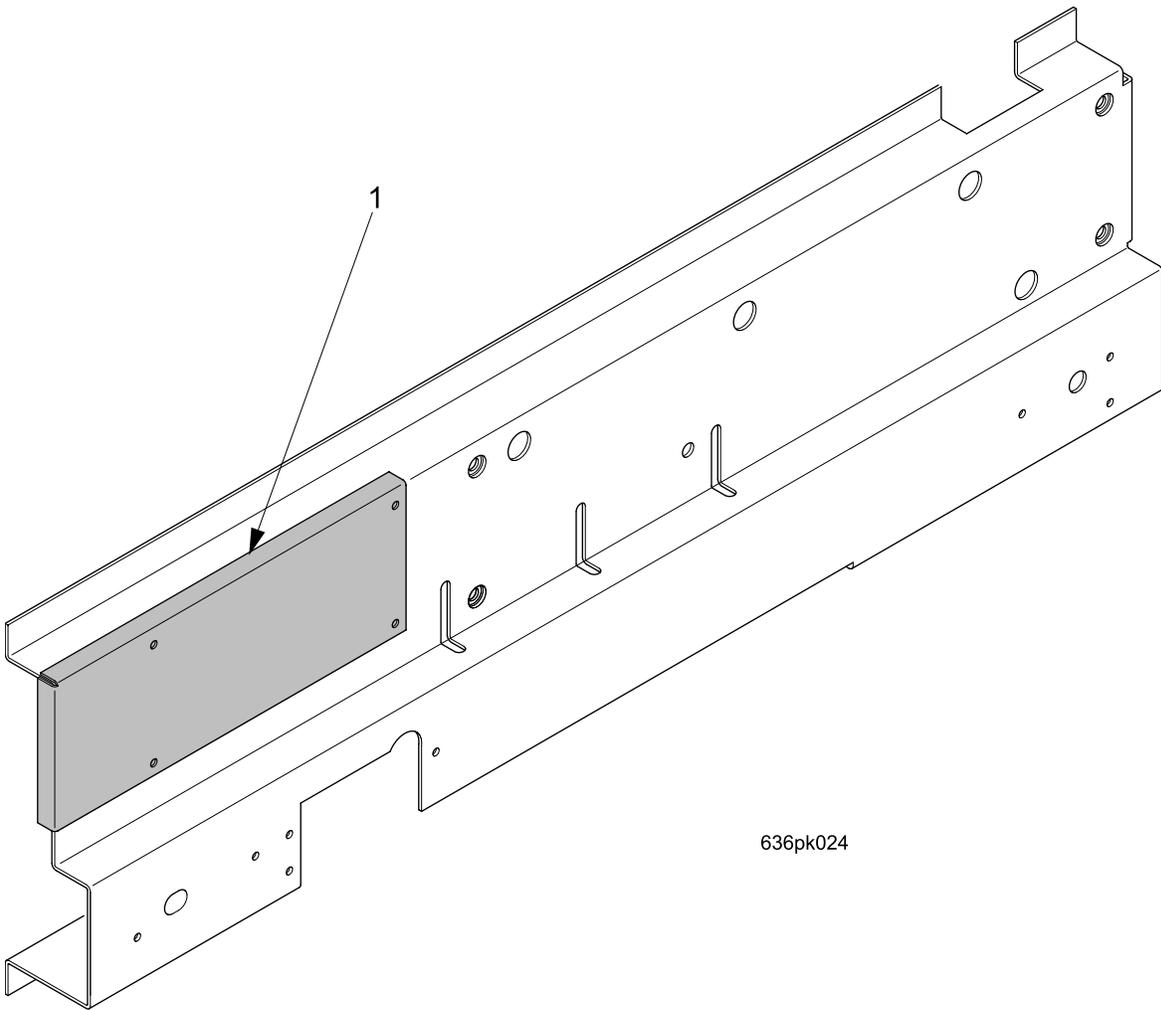


**Figure 14**

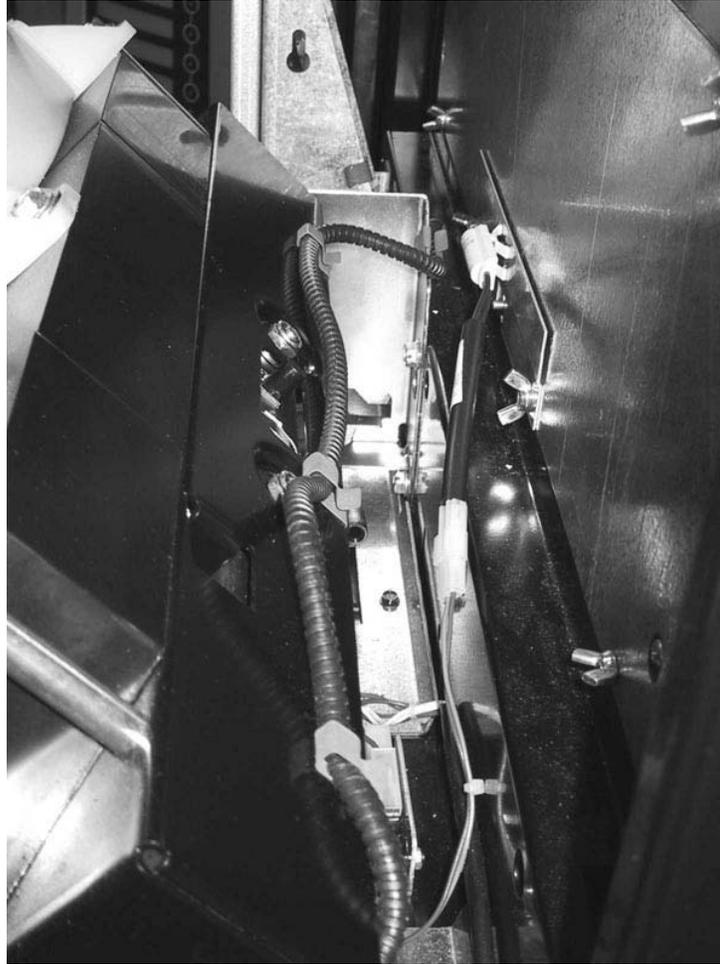


**Figure 15**

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22. Mount the stir stick dispenser. Holes will need to be drilled in the cup mechanism mounting channel. Locate the drill template (1) (6360023) on the left side and top(See Figure 16). Drill four 0.140 (3.5 mm) diameter holes. Then remove template and discard. Attach the stir stick dispenser (6362064) to the channel using four screws (1451097). Reroute the harness from the PCB to the door across the main door and connect it to the cup mechanism, auto door motor (if used), auto door switch (if used), and the vend in process light. Connect the stir stick dispenser jumper (6369003) and route it through the .25" clamp on the right end of the auto door mounting channel behind the cup mechanism, and across the door to the stir stick dispenser. Use wire clip (1212159), three across back bottom edge of cup mechanism frame and one on the top angled edge of cup mechanism retainer bracket. The last wire clip will be used on the right edge of the stir stick dispenser frame to retain the jumper harness(See Figure 17).



**Figure 16**



**Figure 17**

23. Check that all connections on the PCB boards and IC assembly VER. 636.W01 are installed. If so, replace the PCB cover. Plug in the machine, and turn it on. Refer to your manual to enter SUPERVISOR mode, to set the CONFIGURATION code (5366), and to load the default times for Nestlé. After the machine's water tank heats up to 82°C refer to the manual and set the water valves and check product throws.
24. Reinstall modified water shield. Replace current selection instruction insert with the supplied upper insert (6362042).



# 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.

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## Part I. Replacing the EPROM:

### **CAUTION**

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

### **CAUTION**

*Observe electrostatic discharge precautions 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.*

1. On the figure, see the shaded area representing EPROM U4. 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 as shown, 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. Some EPROMs have 28 pins, and will not use the entire socket. The shaded area on the figure is where the new EPROM will go, leaving the four holes at the bottom of the socket empty.
2. 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.
3. 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.
4. Carefully seat the EPROM into place using uniform pressure all around.

