

Glasco

12955 Enterprise Way Bridgeton, MO 63044-1200 (314) 298-3510

This machine has been engineered to our own rigid safety and performance standards. It has earned a "Letter of Compliance" from NAMA indicating that it complies with sanitation and health guidelines recommended by the Automatic Merchandising Health-Industry Council (AMHIC) and it conforms with all other NAMA safety recommendations. This machine has been FCC verified.

This machine has been manufactured in accordance with the safety standards of both Underwriter's Laboratories and the Canadian Standards Association. To maintain this degree of safety and to continue to achieve the level of performance built into this machine, it is important that installation and maintenance be performed so as to not alter the original construction or wiring and that replacement parts are as specified in the parts section of your *Service Manual*. Your investment in this equipment will be protected by using this *Service Manual* in your operation, service, and maintenance work. By following prescribed procedures, machine performance and safety will be preserved.

The GFD-4 merchandiser is warranted for one (1) year against defective parts and workmanship. Any part or parts which are proven to be defective within one (1) year of the date of shipment will be repaired or replaced free of charge when the defective part is returned, with transportation charges prepaid, to the destination designated by the Glasco Warranty Department.

This warranty applies only to the original purchaser of the merchandiser and is null and void if the merchandiser is sold during the period of warranty.

This warranty is also null and void for all electrical components, wiring, or circuits and/or for all mechanical parts or assemblies damaged as a result of operating the merchandiser at other than 110-120 volts, 60 Hertz current. This warranty is null and void in the event of vandalism, fire, or negligence on the part of the operator.

No warranty is given or implied on incandescent lamps, neon lamps, fluorescent lamps, ballasts, starters, or other expendable items. No warranty will be given when other manufactured components are installed in Glasco merchandisers.

Further, Glasco is not responsible for any cost of service rendered or repairs made on merchandisers or parts by anyone other than an authorized Glasco distributor, unless authorization to incur such expense has been given in writing by Glasco prior to incurring such expense.

This warranty is in lieu of all warranties expressed or implied, including, without limitation, warranties of merchantability and all other obligations or liabilities on the part of Glasco. Furthermore, Glasco neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the sale of said equipment or any part thereof.

Glasco [™] 12955 Enterprise Way Bridgeton, MO 63044

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How To Use The Parts List

This manual contains a parts list for each repairable assembly in the merchandiser. Each parts list contains information you will need when you want to order parts. Column one is labeled "FIGURE INDEX NUMBER". The number to the left of the dash is the figure number and the number to the right of the dash is the index number of the part. To avoid confusion it is important to remember that all assemblies DO NOT have corresponding illustrations. Column two is labled "DESCRIPTION". The name of the part and a brief description are included in this column. There can be one, two, or three columns labeled "PART NO." and "QTY". Each set is labeled with the appropriate model number(s).

NOTE

If a part or an assembly is used in each of the models listed in a given table, it is only listed under the first set of columns. See Index 1 in the sample.

If the same part is used in each of the models listed in the table, but the quantities are different, different numbers will be listed in each of the QTY columns. See Index 2 in the sample.

When N/A appears in the PART NO. column, the part is not used in the corresponding model. See Index 3 and Index 4 in the sample.

For attaching parts (i.e. - nuts, screws, washers, etc.) the QTY column lists only the quality necessary to attach one part or assembly. See Index 5 in the sample.

If an assembly does not have a part number, a dashed line appears in the "PART NO." column.

ABBREVIATIONS USED IN THE PARTS LIST

CT	Count	RHS	Round head screw
HD	Head	S/T	Self-tapping
LGM	Light gauge metal	T/C	Thread cutting
LH	Left-hand	T/F	Thread forming
N/A	Not applicable	THS	Truss head slotted
PCB	Printed circuit board	W/Hd	Washer head
PHS	Pan head slotted	W/LW	With lock washer
RH	Right hand		

SAMPLE

FIGURE		GS-1		GS-2	
INDEX NUMBER	DESCRIPTION	PART NO.	QTY	PART NO.	<u>QTY</u>
2-1	Insert - Coin	5231010	1		
2-2	Clamp - Cable 3/4 Inch	1592361	2		3
2-3	Spacer - Delivery Pan	7311258	1	N/A	
2-4	Spacer - Gum & Mint	N/A		6382649	
2-5	Bracket - Lamp Mounting (Screw #8-32 x 1/4 RHS)	1497246 9991973	2 2		

HOW TO ORDER PARTS

The members of the parts department at your Glasco distributor are ready to serve you. Please have the following information ready when you call in your parts order:

Your account number

Name and model number of the merchaandiser

Serial number of the merchandiser

Part number, complete description and quantity required for each part you wish to order.

MACHINE REQUIREMENTS AND CHARACTERISTICS

POWER REQUIREMENTS

Volts AC	115
Amps	15
Hz	60
Phase	Single
Outlet	3-pin
Туре	Grounded

CHECKING THE POWER OUTLET

Voltage Check

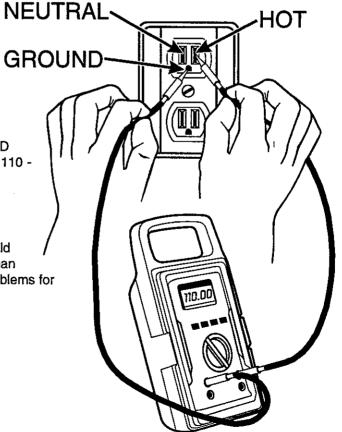
When placed across the HOT and NEUTRAL terminals, a volt-ohmmeter should indicate 110 - 130 volts AC.

Polarity Check

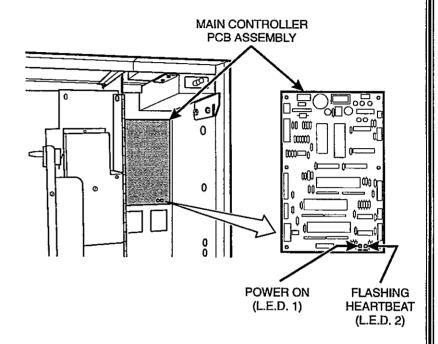
When placed across the HOT and GROUND terminals, a volt-ohmmeter should indicate 110 - 130 volts AC.

Noise Potential Check

When placed across the NEUTRAL and GROUND terminals, a volt-ohmmeter should indicate 0 volts AC. A reading of greater than 1.5 to 2.0 volts AC could result in noise problems for the electronic circuitry.



Controller Card Display



<u>Main Controller Card Display</u>. This display consists of two light emitting diodes (LED) mounted on the controller card.

POWER ON When lit, this green LED indicates electrical power is applied to the controller card.

HEARTBEAT When flashing, this red LED indicates that the controller card is active and the software is operating.

NORMAL CONDITIONS:

When the merchandiser is operating normally, you should see a steady green **POWER ON** indicator and a flashing red **HEARTBEAT** indicator. Refer to the maintenance manual if any other condition exists.

LEVELING THE MERCHANDISER

From a safety standpoint it is very important that the merchandiser be level. A level merchandiser is less likely to tip over and cause personal injury. Level the merchandiser by moving the leg levelers in or out for proper adjustment. Pliers or channel locks may be required to loosen the leg levelers. Level the merchandiser from the right to left and from front to back using a spirit level. When the merchandiser is part of a bank of machines, it should be leveled in reference to the other machines.

Caution

Have an assistant hold the merchandiser while you adjust the leg levelers.

COIN MECHANISM Setting the Quarter Switch

If your coin mechanism is not a MARS TRC 6000, skip this procedure and begin loading the coin mechanism. If your coin mechanism is a MARS TRC 6000, flip down the top front of the mechanism and set the quarter switch as shown on the drawing to the right. Make sure switch #2 is in the down or "off" position.

Loading the Coin Mechanism

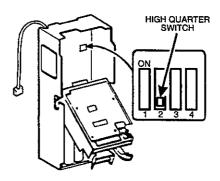
- Open the cabinet door and the monetary cabinet
- Insert coins into their respective tubes. Make sure each tube is full.
- Inspect the tubes for shingled coins and correct if necessary.

BILL VALIDATOR

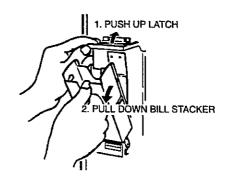
Emptying the Stacker

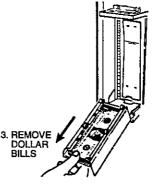
- Push up on the magazine latch to release the housing
- 2. Open the magazine by pulling it down.
- Remove the bills and close the magazine. Make sure it is secure.

SETTING THE QUARTER SWITCH



EMPTYING THE BILL STACKER





WATER FILTER CARTRIDGE

If your merchandiser has a water filter option, it cannot be operated without a properly installed water filter cartridge.

Note

Check the water filter installation record. There is a place to write the vend number on the cartridge. The filter is normally effective for approximately 26,000 7 oz. vends, 22,000 8 oz. vends, 20,000 9 oz. vends, or 15,000 12 oz. vends. Local conditions may require more frequent replacement.

Removai

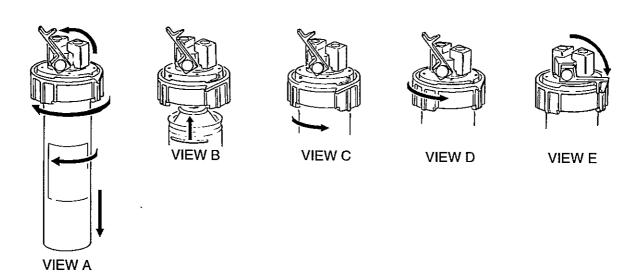
- Turn the main power switch to the off position.
- Flip the lock lever UP (view A). The lock lever on the water filter head is used to open and close the water inlet to the merchandiser.
- 3. Rotate the locking collar to the left about 60 degrees until it drops to the filter receiving position.
- 4. Rotate the filter to the left until it drops free of the locking collar.

Installation

- 1. Align the raised rib near the top of the cartridge with the ribless portion of the locking collar (view B).
- Push the cartridge up into the filter head (view B).
- Rotate the cartridge to the right until the lock lever engages the locking collar (view C).
- 4. Rotate the locking collar to the right until it moves up into the locking position (view D).
- 5. Push the lock lever DOWN (view E).

Note

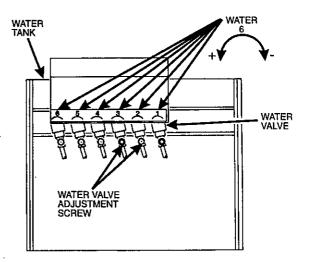
Do not flush the water filter cartridge.

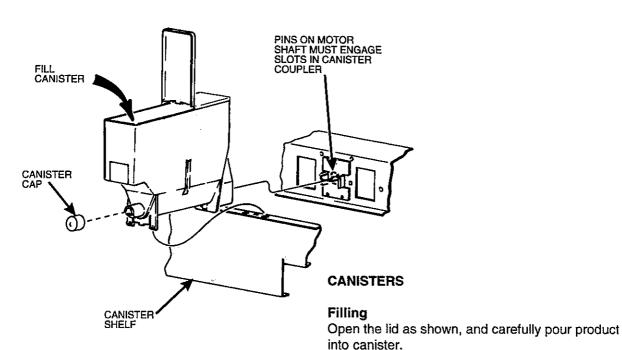


ADJUSTING WATER VALVES

This should be done in conjunction with setting the factory default times during Product Configuration programming.

- Using a slotted screwdriver, turn the adjustment screw clockwise to decrease the water flow rate.
- 2. Turn the adjustment screw counterclockwise to increase the water flow.





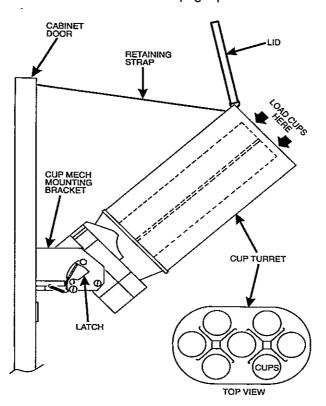
Installing

- Place the canister in the position shown.
- 2. Engage the pins on the motor shaft with the slots in the canister coupler.
- Fit tabs on the canister into the slots on the canister shelf.
- To ensure the canister is correctly engaged with the rear mounting bracket, gently push down on the front edge of the canister lid.

CUP MECHANISM

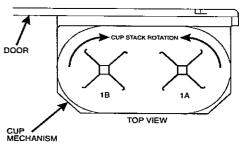
Loading

- 1. Support the cup mechanism in the upright position.
- Push the latch forward to release the cup mechanism. Continue to support the mechanism while you lower it into the loading position.
- 3. Remove the turret cover.
- Open the bottom of the wrapper on a stack of cups.
- 5. Insert the wrapped cups into the turret and pull the wrapper out.
- 6. Replace the turret cover after the turret has been loaded
- Make sure the cup mechanism is locked into the upright position.



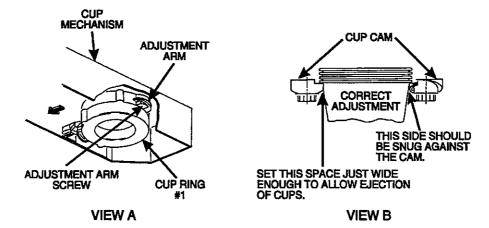
Cups

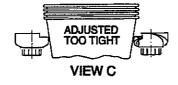
- 1. Use only cups which have been designated for use in a hot beverage vending machine.
- Check to insure that the cup size you are loading agrees with the cup size selected during programming
- 3. Make sure you observe proper hygiene. Touch only the wrapper and not the cups.
- Do not fill cups above the level marked on the outside of the cup turrets or above the "Fill Line" label inside each turret.
- Check to make sure the cups you are loading are the same size and brand of those hot drink cups currently in the turret. Do not intermix.

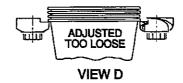


Adjustment

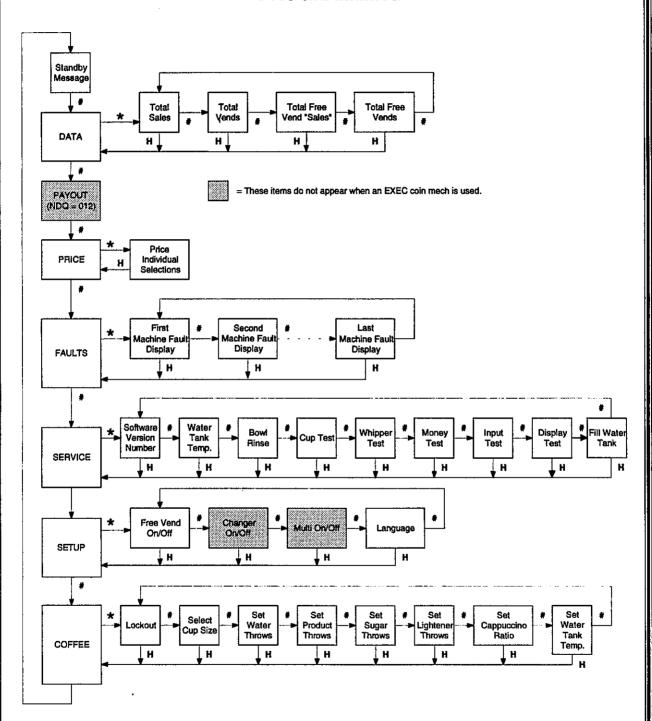
- 1. Place seven cups in the cup ring
- 2. Observe the clearance as shown in view B.
- 3. To adjust, first loosen the adjustment arm screw (view A).
- 4. Next, move the adjustment arm until the correct clearance is achieved.
- 5. Finally, hold the adjustment arm in place and tighten the adjustment arm screw.



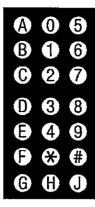




PROGRAMMING



The diagram on these pages is a map of the programming functions in your merchandiser. These functions will be described in greater detail, but this will help you get around once you are familiar with how programming works. The symbols H, *, and * represent special keys that move you around inside the programming modes, and from one mode to another. As you can see on the diagram, these symbols show up in the pathways in and around the modes.



THE KEYPAD

During vending, customers use the keypad to make selections. When you pull the door switch to the ON position, the keypad becomes your programming input device. For reference, we will show the keypad on all the pages.

DATA

View four types of data:

TOT\$ = Total Machine Sales
TOT = Total Machine Vends
FRV\$ = Total Free Vend "Sales"

FRV = Total Free Vends This data is nonresettable.

NOTE

At any time you can press **H** once to return to the **DATA** display. Press **H** again to return to the standby message.

- 1. Pull out the door switch button to the ON position.
- 2. Press # until the display shows DRTR.
- 3. Press *. The display shows TOT\$.XX. This is the dollar and cents amount of machine sales.
- 4. Press #. The display shows TOT XX. This is the total count of all vends.
- 5. Press #. The display shows FRV5 .XX. This is the dollar and cents amount of free vend "sales".
- 6. Press #. The display shows FRV .XX. This is the total count of free vends.
- Press # to return to step 3, or H to exit.

PAY OUT (Does not apply to machines with EXEC coin mechanisms.)

Pay out coins:

- Pull out the door switch button to the ON position.
- 2. Press # until the display shows **N.D.Q.** = **D.1.2**. This is telling you that pressing **0** pays out **N**ickels, pressing **1** pays out **D**imes, and pressing **2** pays out **Q**uarters.
- 3. Press the appropriate key once to pay out one coin.
- 4. Press and hold the appropriate key to pay out coins continuously.
- 5. Press H to return to the standby message.

PRICE

Set prices for all the selections in your merchandiser:

NOTE

At any time you can press **H** once to return to the **PRICE** display. Press **H** again to return to the standby message.

- 1. Pull out the door switch button to the ON position.
- 2. Press # until the display shows PRICE.
- 3. Press *, and the display shows PRC. A .XX. "XX" is the price for the A selection.

OF

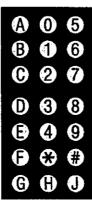
Press the letter of the selection you want to price, and it will be displayed immediately.

Press # until the selection you want to price is displayed.

OR

Press the letter of the selection you want to price, and it will be displayed immediately.

- 5. Enter a new price with the number keys.
- 6 Press # to return to step 3, or H to exit.



FAULTS

Display all the active faults on your merchandiser:

NOTE

At any time you can press **H** once to return to the *FRULTS* display. Press **H** again to return to the standby message.

- 1. Pull out the door switch button to the ON position.
- Press # until the display shows FAULTS.
- Press * to see the list of faults:

KEYPAD XY

Key(s) "X" and "Y" are stuck.

RING.TTR

The cup ring is jammed.

MOTR 12 Cup turret motor 1 or 2 is jammed.

NO EUPS 1 Out of cups.

URSTE PRIL The waste pail is full.

LOW URTER The water level in the tank is low.

COLD TRNK Water is too cold to vend.

NO SENSOR Illegal temperature reading.

TRIK ERR A fault occurred in the inlet system.

UHIP 123 Whipper motor failure (motor 1, 2, or 3).

NO RECH Coin mechanism not detected.

MECH COMM Problem communicating with the coin mechanism.

MECH.SENSOR Coin mechanism sensor error.

DBV CORR Problem communicating with the bill validator.

CHK PRICE Illegal price is detected.

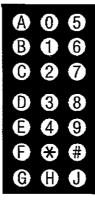
LUCKS SET All selections are locked.

ND FRULTS There are no faults on the machine.

When the first fault item (if any) repeats, you have seen all the faults.

When active faults exist, pulling the door switch will automatically display FAULTS.

4. Press # to return to step 3, or H to exit.



SERVICE

View machine status and test certain functions:

NOTE

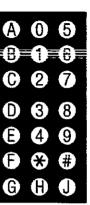
At any time you can press **H** once to return to the **SERVICE** display. Press **H** again to return to the standby message.

- 1. Pull out the door switch button to the ON position.
- Press # until the display shows SERVICE.
- 3. Press *. The display shows the software version number.
- 4. Press #. The display shows the water tank temperature. Temperature is displayed in either degrees Fahrenheit (F) or Celsius (C), depending upon what was set in the **COFFEE** mode.
- 5. Press #. The display shows **BOUL RINSE**. To rinse the bowls, press **J**. Hot water is delivered to the mixing bowl(s), and the display shows **RINSING** until the cycle is complete.
- 6. Press #. The display shows *CUP TEST*. To drop a cup, press J.
- 7. Press #. The display shows **UHIP TEST**. To test the whipper(s), do one of the following:
- a. Press the selection letter that uses the whipper you want to test. For example, pressing A will test whipper #1. (The display shows UHIP 1.)
- b. Press the number of the whipper. The display shows the whipper number you pressed. (If you press a whipper number that does not exist, nothing happens.)
- 8. Press #. The display shows **figNEY TEST**. Insert coins and bills into the merchandiser. The amount you inserted is displayed.
- 9. Press #. The display shows IN KPHL1. This screen lets you test the INput switches.
 - **K** = the letter or number of any key being pressed replaces "K"
 - P = waste pail overflow switch
 - H = water tank upper level
 - L = water tank lower level
 - 1 = cup ring empty sensor
- 10. Press #. The display shows DSPLY TEST. Press J to light up all segments in the display.
- 11. Press #. The display shows TRNK.FILL.
 - a. Press J. The display shows: **FILLING**. This indicates that the tank is filling and/or the error is cleared. When the tank is full, the display returns to **TRNK.FILL**.
 - b. If it is taking longer than 12 minutes to fill the tank AND THERE ARE NO LEAKS, you may see the TANK ERR message again. Just repeat step a after making sure there are no other problems, such as a restriction in the water inlet line.

NOTE

The heater does not function until the tank is full. The normal heat up time to reach operating temperature is 90 minutes, depending upon incoming water temperature.

12. Press # to return to step 3, or H to exit.



SETUP

Configure various machine functions:

NOTE

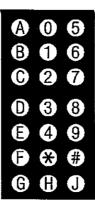
At any time you can press **H** once to return to the **SETUP** display. Press **H** again to return to the standby message.

- 1. Pull out the door switch button to the ON position.
- 2. Press # until the display shows 5ETUP.
- 3. Press *. The display shows either FREE ON or FREE OFF. When FREE ON is displayed, all selections are free. Press J to switch between ON and OFF.

NOTE

If your machine has an EXEC coin mechanism, skip to step 6.

- Press #. The display shows either CHRNGER ON or CHRNGER OFF. When CHRNGER ON is displayed, a
 customer may receive change for a bill without making a vend. Press J to switch between ON and
 OFF.
- 5. Press #. The display shows either **flutti on** or **flutti of**. When **flutti on** is displayed, a customer may purchase more than one item with a declining balance. Press **J** to switch between **ON** and **OFF**.
- 6. Press #. The display shows either **ENGLISH**, **ESPANOL**, or **FRANCAIS**. Press **J** to switch between **English**, **Spanish**, and **French** displays.
- 7. Press # to return to step 3, or H to exit.



COFFEE

Configure the product in your merchandiser:

NOTE

At any time you can press **H** to return to the *EOFFEE* display. Press **H** again to return to the standby message.

- 1. Pull out the door switch button to the ON position.
- 2. Press # until the display shows COFFEE.
- Press *. The display shows LK. RBCDEFG. When letters A through G are
 displayed, it indicates the selections that are locked out. An active selection is
 indicated by a dash (-). Pressing the letter keys switches them from active to locked out.

NOTE

If your machine is **NOT** equipped with the International Coffee option, you <u>MUST</u> lock out selection C. Failure to do so will allow "vending" a non-existent selection.

- 4. Press #. The display shows CUP ? OZ. Press J until the cup size you want is displayed.
 - a. If you want to load the factory default water and product throw times for your new cup size, press and hold **D**. The display shows **CLERRING**, then **FINISHED**.
- 5. Press #. The display shows **URTER**. This is the main screen for setting up water throws. If you don't want to do this, continue to step 6.
 - a. Do one of the following:

Press the selection letter whose water throw you want to set

OR

Press * to go to the A selection.

- b. The display shows **URT. R 5.90**. This is the water screen for the **A** selection. The numbers on the right are the throw time for the selection (5.90 seconds in this example).
- Enter a new throw time, using the number keys.
- d. Press J test throw the water.
- e. Set another selection, or press H to return to the URTER display.



0 2

D 3 8

- 6. Press #. The display shows **PRODUCT**. This is the main screen for setting up dry product throws. If you don't want to do this, continue to step 7.
 - a. Press * or the selection letter to set up dry product.
 - b. Press J to test throw dry product.
 - Set another selection, or press H to return to the PRODUCT display.
- 7. Press #. The display shows **SUGRR**. This is the main screen for setting up sugar throws. If you don't want to do this, continue to step 8.
 - a. Press * or the selection letter to set up sugar.

NOTE

The **A** and **B** selections are represented by a star (*). All other selections using sugar are represented normally.

- b. Press J to test throw sugar.
- Set another selection, or press H to return to the SUGAR display.
- 8. Press #. The display shows *LIGHTENER*. This is the main screen for setting up lightener throws. If you don't want to do this, continue to step 9.
 - a. Press * or the selection letter to set up lightener.

NOTE

The $\bf A$ and $\bf B$ selections are represented by a star (*). All other selections using lightener are represented normally.

- b. Press J to test throw lightener.
- Set another selection, or press H to return to the LIGHTENER display.
- 9. Press #. The display shows **RATIO** .25. This is the ratio of chocolate to coffee in a cappuccino drink. In this example, cappuccino uses 25% chocolate.
 - Enter a new ratio using the number keys. A ratio between 5 and 50% must be present, or you can't leave this step.
- 10. Press #. The display shows **SET XXX°F**. This is the setpoint for the hot water tank (in degrees Fahrenheit). The hot water tank will maintain this temperature within a few degrees.
 - a. Enter a new setpoint using the number keys. Acceptable range: 149°-205° F (65°-96° C).
 - b. Press J to switch the display between degrees Celsuis and degrees Fahrenheit.
 - c. Press # to return to step 3 or H to exit.



PARTS

TABLE 1. GFD-4 MERCHANDISER

 INDEX
 PART NUMBER
 DESCRIPTION
 QTY.

 1
 REF
 CABINET ASSEMBLY (SEE FIGURE 9-A FOR DETAILS)

 2
 REF
 DOOR ASSEMBLY (SEE FIGURE 3 FOR DETAILS)

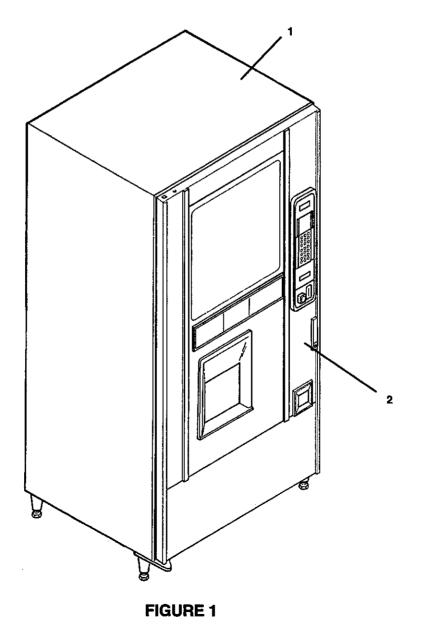
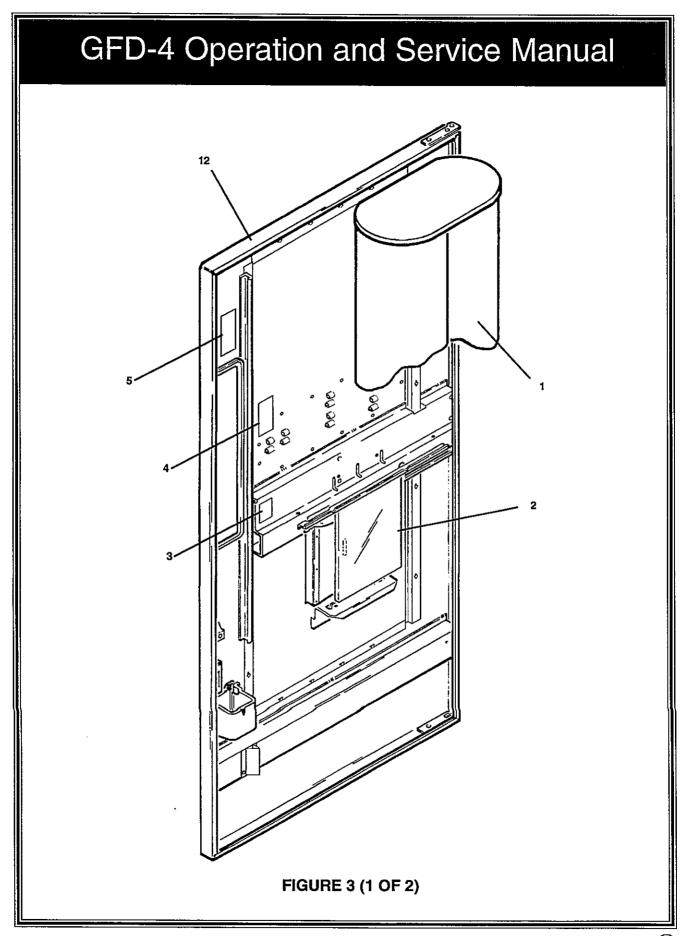


TABLE 2. HARNESSES, CONNECTORS, AND CLAMPS

INDEX	PART NUMBER	DESCRIPTION	QTY.
1	1452139	3/8" "J" CLAMP	21.11
2	4751060	5/8* "J" CLAMP	
3	6239040	HARNESS - TEMP SENS/FLOAT SW	1
4	6239007	HARNESS - COIN HANDLING AND WHIPPER	i
5	4305043	1° "J" CLAMP	_
6	NOT USED		
7	NOT USED		
8	NOT USED		
9	4752024	1/2* "J" CLAMP	-
10	6269014	HARN - AC-1	1
11	6239046	HARN - SER. LT. SW.	1
12	NOT USED		
13	NOT USED		
14	9984091	POWER CORD	1
15	6239025	CABLE ASSY - 16 CONDUCTOR	1
16	6269008	CABLE ASSY - 14 COND EURO	1
17	4304069	JUMPER - MONETARY BOARD	1
18	6239004	HARNESS - COIN HANDLING	1
1 9	NOT USED		
20	NOT USED		
21	NOT USED		
22	NOT USED		
23	6269003	HARNESS - AUGERS	1
24	6269007	HARNESS - POWER TO AUTO DOOR	OPT
25	6269012	HARNESS - DC CABINET	1
26	6269012	HARNESS - DC CABINET	1
27	6269013	HARNESS - CUP MECH	1
28	1452139	RETAINER, HARNESS	-
29	NOT USED		
30	NOT USED		
31	2342315	1/4" "J" CLAMP	-
32	NOT USED		

TABLE 3. DOOR ASSEMBLY

INDEX	PART NUMBER	DESCRIPTION	QTY
1	•	MECH AND CANISTER ASSEMBLY (SEE FIGURE 6-1)	-
2	-	DELIVERY DOOR (SEE FIGURE 7)	-
3	G1471006	LABEL - GLASCO	1
4	6232170	LABEL - LATCH RELEASE	1
5	6232513	LABEL - SANITATION	1
6	G1472010	FRAME - MONETARY	1
7	REF	DOOR LOCK ASSEMBLY (SEE TABLE 5)	•
8	-	COIN RECEPTACLE ASSEMBLY (SEE TABLE 4)	-
9	1172191	BASE - LEVER LOCK	1
10	6269014	FRAME, CUP DELIVERY DOOR	1
11	G6262014	DISPLAY - PHOTO - P.O.P.	1
12	1482005	DOOR ASSEMBLY - WELD	1
13	1172190	LEVER - LOCK	1
14	G1472021	TRIM - COIN RECEPTACLE	1
15	G1472025	TRIM - DOOR - OUTER SIDE	2
16	G1472026	TRIM - DOOR - INNER SIDE	2
17	G6262025	TRIM - SELECTION INSERT LONG	2
18	G6262026	TRIM - SELECTION INSERT SHORT	2
19	G1472005	PANEL - RH TRIM	1
20	G1482012	TRIM PANEL/SUPPORT ASSEMBLY - LOWER	1
21	G1482001	PANEL-LH TRIM	1
22	G6262031	TRIM ASSEMBLY - CENTER	1
23	G6262030	INSERT - MENU	1
24	G1482002	PANEL - TRIM - TOP	1



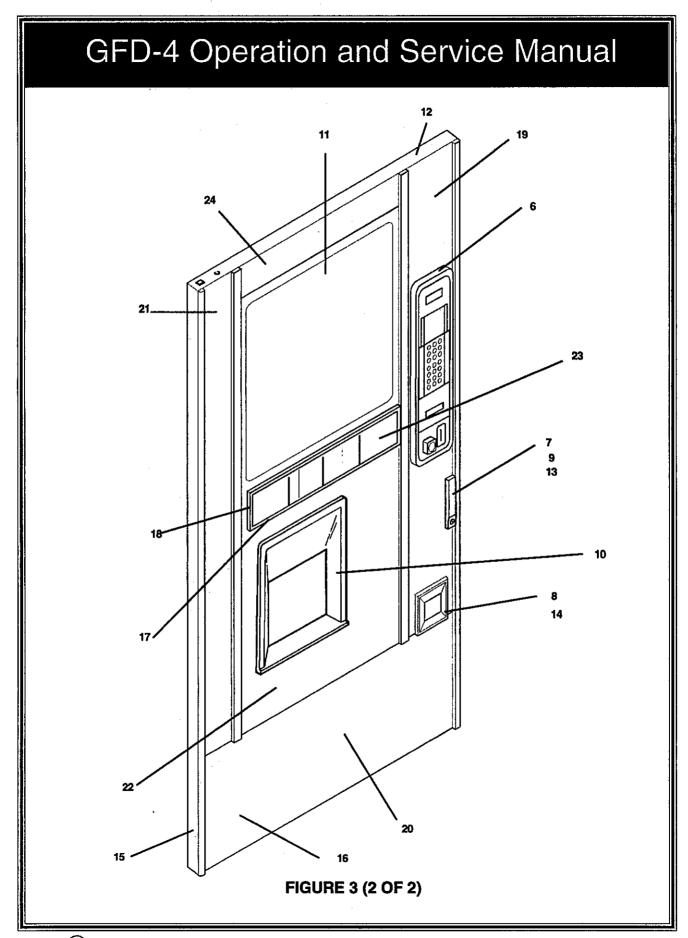


		TABLE 3-1.	
		BAG ASSEMBLY G6260001 CONTENTS	
۾ ا	ART NUMBER	· · · · · · · · · · · · · · · · · · ·	
	1300018	<u>DESCRIPTION</u> BAG - PLASTIC	<u>QTY</u>
	3158026	LABEL - EVERPURE	1
	6232062	LABEL - WINNERS MODE	i
	6232080	LABEL - PRICE, CUP SIZE, BLANK	i
	6237117	REMOVAL TOOL - IMPELLER	i
	6237347	VINYL CAP - 1.00IN.ID X 0.50IN.LG.	7
	G6260002	WIRING DIAGRAM - DOM GLASCO	1
	G6260003	DOCUMENTATION PACKAGE	1
	G6260016	LIST - BAG ASSEMBLY CONTENTS	1
		TABLE 4.	
		COIN RECEPTACLE ASSEMBLY	
MOEY	DADTAUMOED	· · · · · · · · · · · · · · · · · · ·	
<u>INDEX</u> 1	<u>PART NUMBER</u> G1472020	DESCRIPTION TRIM ASSEMBLY COINCID (INCLUDES INDEX #15 0 THROUGH #2	<u>QTY.</u>
2	G1472021	TRIM ASSEMBLY - COIN CUP (INCLUDES INDEX #'S 2 THROUGH 5) TRIM COIN RECEPTACLE	1
3	4245084	SHAFT - DOOR - COIN RETURN	1
4	4245083	SPRING - COIN RETURN DOOR	i
5	4245082	GATE - COIN RETURN	1
6	4245081	CUP COIN RETURN	1
7		SCREW, #8-32 x 1/2 PHS S/T	4
		TABLE 5.	
		DOOR LOCK ASSEMBLY	
INDEX	PART NUMBER	DESCRIPTION	071/
1	REF	DOOR LOCK AND HANDLE ASSEMBLY (SEE TABLE 5-1 FOR DETAILS)	<u>QTY.</u> 1
2	1472178	LOCKBARASSEMBLY	1
3	6262074	GUIDE - LOCK BAR	1
		TABLE 5-1.	
		DOOR LOCK AND HANDLE ASSEMBLY	
<u>INDEX</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	1172190	LEVER - LOCK	1
3	1302291 1172191	PIVOT - LEVER LOCK BASE - LEVER LOCK	1
4	2272052	ACTUATOR ASSEMBLY - LOCK BAR	1
5	1302289	CUP SPACER	2
6	1217161	SCREW, #10-32 x 1/2 RHS W/LW	5
7	1302326	SHIELD - LATCH	1
8	9900121	WASHER - STEEL - 7/16 x .203 x .032	1
9	1302324	CATCH - DOOR LATCH	1
10	1302290	LATCH - LOCK LOWER	1
		TABLE 6.	
	M	ECH AND CANISTER ASSEMBLY - 11 COLUMN	
INDEX	PART NUMBER	DESCRIPTION	QTY.
1		BOLT	2
2	6263000	MECH AND CANISTER ASSEMBLY	_
	6000400	(INCLUDES INDEX #'S THROUGH)	1
3	6233102	TURRET AND CANISTER ASSEMBLY - 7 COLUMN (SEE FIGURE 6.1 FOR DETAIL 6)	
4	6233077	(SEE FIGURE 6-1 FOR DETAILS) BOLT - #1/4 X 20 X 2	1 5
5	6131066	5/8 X .265 X .048 WASHER - ZINC	3 3
6	6263002	SPACER277 ID X .37	2
7	6233001	MECHANISM ASSEMBLY (SEE FIGURE 6-2 FOR DETAILS)	1
8	6233007	FUNNEL - 3.25"	2
L			

TABLE 6-1. TURRET AND CANISTER ASSEMBLY - 7 COLUMN

INDEX	PART NUMBER	<u>DESCRIPTION</u>	QTY.
-	6233102	TURRET AND CANISTER ASSEMBLY - 7 COLUMN	REF
1	6233108	TURRET ASSEMBLY 1A	
		(INCLUDES INDEX #'S 2 AND 3)	1
2	6233048	BASE - TURRET	1
3	6233061	TURRET CENTER	1
4	6233092	CANISTER - CUP - 7	1
5	6233093	LID - CANISTER - 7	1
6	9900115	SCREW - #8-32 X 3	2
7	6233030	BEARING TURRET	2
8	6138181	WASHER PLATE	2
9	9900081	NUT - #8-32 KEPS	2
10	6233109	TURRET ASSEMBLY 1B	
		(INCLUDES INDEX #'S 11 AND 12)	1
11	6233048	BASE - TURRET	1
12	6233061	TURRET CENTER	1
13	6233080	STRAP - CANISTER	1

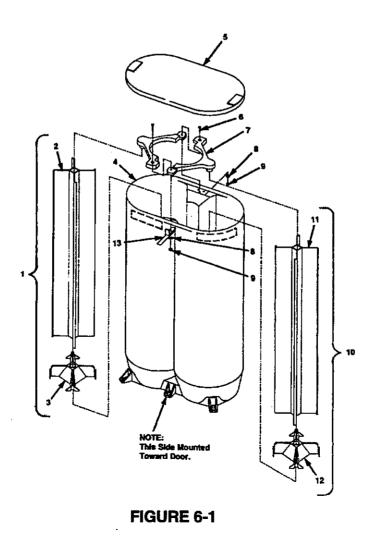


TABLE 6-2. MECHANISM ASSEMBLY

ı	INDEX	PART NUMBER	<u>DESCRIPTION</u>	QTY.
ı	-	6263001	MECHANISMASSEMBLY	REF
ı	1	6233014	INDEX PLATE - GENEVA	2
ı	2	6233013	DRIVER - GENEVA	2
ı	3	6233010	COVER - END	2
l	4	1451097	SCREW - #8-32 X .31 HEX HEAD	6
	5	6233105	PCB ASSEMBLY - DETECTOR - CUP SENSOR	1
l	6	6233104	COVER AND LED ASSEMBLY (INCLUDES INDEX #'S 6 THROUGH 8)	1
l	7	6233012	COVER - CENTER	1
l	8	6233106	HARNESS - CUP DETECT/LED JUMPER	1
ĺ	9	6233107	PCB ASSEMBLY - LED - CUP SENSOR	1
	10	6233077	BOLT - #1/4 X 20 X 2.38 HHS	1
ŀ	11	6269013	HARNESS - CUP MECH.	1
	12	6233065	SCREW - #8-16 X .38 PLASTIC HHS	4
	13	6263003	PLATE - BASE - 7 - COLUMN	1
١	14	6233028	BUSHING	5
	15	6233039	BRACKET - MECHANISM MOUNTING - LEFT	1
	16	9900144	SCREW - 1/4 - 20 X 1/2 THS	5
ı	17	1452139	RETAINER - HARNESS	1
i	18	4041241	NUT - 1/4 20 SELF LOCKING	6
ı	19	6233056	MOTOR AND CRANK ARM ASSEMBLY (INCLUDES INDEX #'s 22 THROUGH 24)	1
ı	20	9900113	RETAINING RING - E TYPE .21	1
ı	21	1477112	MOTOR AND PCB ASSEMBLY	1
ı	22	6233058	CRANK ARM AND ROLLER ASSEMBLY	1
ı	23	9900034	WASHER - STEEL 3/8 X .170 X .032	9
ı	24	1457027	8-32 X .81 HHSI TAPTITE	9
l	25	1477112	MOTOR AND PCB ASSEMBLY	2
	26	6233031	ACTUATOR ASSEMBLY - CUP RING (SEE TABLE 6-4 FOR DETAILS)	1
I	27	4733035	SPRING - CUP RELEASE ARM	1
ı	28	3143005	CUP RING ASSEMBLY (SEE TABLE 6-3 FOR DETAILS)	1
l	29	6233001	PLATE - CUP RING MOUNTING	1
	31 32	1141054	1/4 - 20 X 3/4 HEX HEAD BOLT ZIP	1
	32 33	6233062	SPACER260 ID X .340D X .312	1
	33 34	6233057 6233072	MOUNTING BRACKET ASSEMBLY - RIGHT (SEE TABLE 6-5 FOR DETAILS)	1
	34	0200012	GROMMET - STRAIN RELIEF	2

TABLE 6-3. CUP RING ASSEMBLY

	<u>INDEX</u>	PART NUMBER	<u>DESCRIPTION</u>	QTY.
ŀ	-	3143005	CUP RING ASSEMBLY	REF
l	1	3143006	HOUSING - CUP RING	2
1	2	3143007	GEAR - INTERNAL	1
l	3	3143130	CAM AND GEAR ASSEMBLY (INCLUDES INDEX #'S 4 THROUGH 8)	6
l	4	3143017	RETAINER - CAM	1
l	5	3143129	CAM - CUP	1
l	6	3143013	ARM - CAM	1
l	7	3143015	GEAR - 10 TOOTH	1
	8	3143016	GEAR - 18 TOOTH	1
	9	3143008	GEAR - INTERNAL - ADJUSTER	1
	10	3143010	SCREW - #8-16 X 1.12 PHS	4
ĺ	11	3143009	SCREW - #8-32 X .50 PHS	1
١	12	3143011	NUT - #8-32 SELF LOCKING	1
ł	13	6114121	WASHER ROLLER	1
ı				

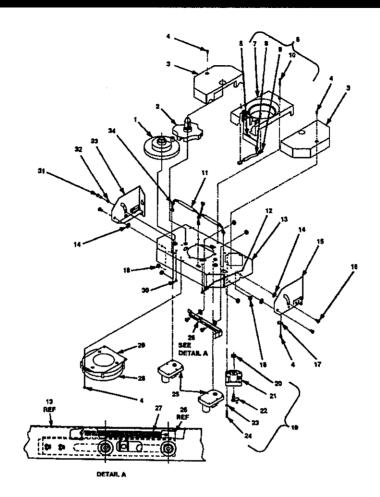


FIGURE 6-2

TABLE 6-4. ACTUATOR ASSEMBLY - CUP RING

INDEX	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	QTY.
-	6233031	ACTUATOR ASSEMBLY - CUP RING	REF
1	1451097	SCREW - #8-32 X .31 HEX HEAD	2
2	6233040	RAMP - ACTUATOR	1
3	6233009	CAM - ACTUATOR	1
4	6233032	ACTUATOR - CUP RING	1

TABLE 6-5. MOUNTING BRACKET ASSEMBLY - RIGHT

<u>INDEX</u>	PART NUMBER	<u>DESCRIPTION</u>	QTY.
-	6233057	MOUNTING BRACKET ASSEMBLY - RIGHT	REF
1	4041241	NUT - 1/4 20 SELF LOCKING	1
2	6233038	BRACKET - MECH MOUNTING - RIGHT	1
3	6233037	LATCH	1
4	9900144	SCREW - 1/4-20 X 1/2 THS	1
5	2301057	SPRING ELEVATOR STOP	1
6	6233028	BUSHING	1

TABLE 7. DELIVERY DOOR

		DELIVERY BOOK	
<u>INDEX</u>	PART NUMBER	<u>DESCRIPTION</u>	QTY.
1	6232096	STOP - DOOR VEND	1
2	NOT USED		
3	NOT USED		
4	NOT USED		
5	NOT USED		
6	NOT USED		
7	NOT USED		
8	NOT USED		
9	NOT USED		
10	NOT USED		
11	NOT USED		
12	NOT USED		
13	NOT USED		
14	NOT USED		
15	NOT USED		
16	NOT USED		
17	NOT USED		
18	NOT USED		
19	NOT USED		
20	NOT USED		
21	6232065	DOOR - VEND	1
22	6232118	HOUSING AND SPRING - VEND DOOR (INCLUDES INDEX #'S 23 THROUGH 27)	1
23	6232084	SPOOL - SPRING	1
24	6232091	SPRING - VEND DOOR	1
25	6232089	HOUSING - SPRING	1
26	9900425	RETAINING RING - REINF, E TYPE	1
27	6232085	SHAFT-SPOOL	1

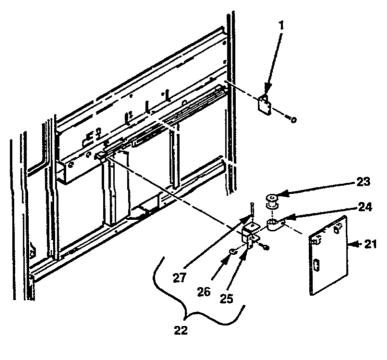


FIGURE 7

TABLE 9-A. CABINET ASSEMBLY - INNER LAYER

		· · · · · · · · · · · · · · · · · · ·	
INDEX	PART NUMBER	<u>DESCRIPTION</u>	QTY.
1	6261101	CABINET WELD ASSEMBLY	1
2	REF	MONETARY CHANNEL ASSEMBLY (SEE FIGURE 19-B FOR DETAILS)	1
3	REF	POWER PANEL ASSEMBLY (SEE FIGURE 28 FOR DETAILS)	1
4	REF	WATER TANK ASSEMBLY (SEE FIGURE 25 FOR DETAILS)	1
5	6238056	COVER - HOT WATER VALVES	1
6	REF	SERVICE LIGHT AND BRACKET ASSEMBLY (SEE TABLE 15 FOR DETAILS)	1
7	REF	CUP STATION SUPPORT AND OVERFLOW SWITCH	
		(SEE FIGURE 12 FOR DETAILS)	
8	REF	CANISTER SUPPORT CHANNEL (SEE TABLE 21 FOR DETAILS)	-
9	6231213	LABEL - WATER VALVE POSITION	1
10	6231242	CHUTE - PAYOUT	1
11	REF	POWER ASSEMBLY	
12	REF	LEG, LEVELER, AND LEG AND HINGE ASSEMBLIES	
		(SEE TABLE 10 FOR DETAILS)	-
13	REF	WATER SUPPLY (SEE FIGURÉ 24-A FOR DETAILS)	-
14	REF	VENTILATION ASSEMBLY (SEE FIGURE 23 FOR DETAILS)	_

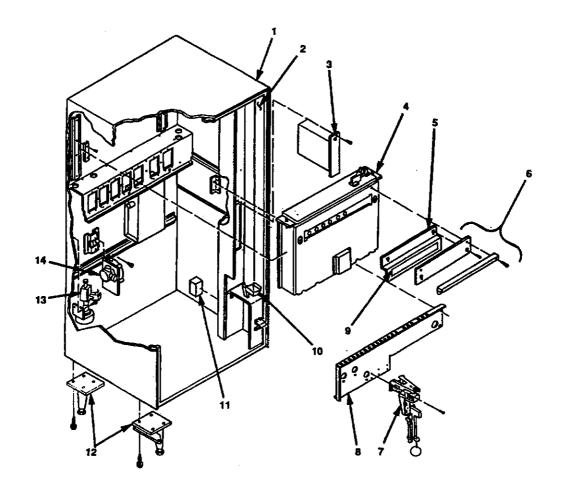


FIGURE 9-A

TABLE 9-B. CABINET ASSEMBLY - OUTER LAYER

<u>INDEX</u>	PART NUMBER	<u>DESCRIPTION</u>	QTY.
1	REF	LIQUID DISTRIBUTION AND DRAINAGE (SEE FIGURE 16 FOR DETAILS)	1
2	REF	MONETARY PANEL ASSEMBLY (SEE FIGURE 20 FOR DETAILS)	1
3	REF	CUP DELIVERY ASSEMBLY (SEE TABLE 11 FOR DETAILS)	1
4	REF	COFFEE AND CONDIMENT CHUTE (SEE FIGURE 22 FOR DETAILS)	1
5	REF	CANISTER SUPPORT CHANNEL AND MIXING BOWL ASSEMBLIES	
		(SEE TABLE 21 FOR DETAILS)	_
6	6237086	LABEL - CANISTER	1
7	REF	INGREDIENT CANISTER ASSEMBLIES (SEE FIGURE 14 FOR DETAILS)	-
8	6231187	LABEL - HOSE - HOT WATER	

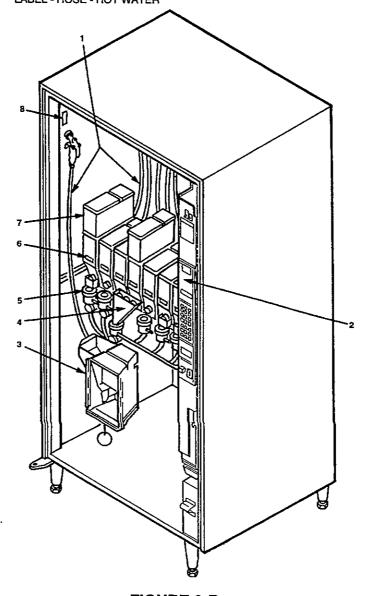


TABLE 10. LEG, LEVELER, AND LEG AND HINGE ASSEMBLIES

INDEX	PART NUMBER	<u>DESCRIPTION</u>	QIY.
1	6231034	PLUG - HOLE	2
2	1172021	NUT - 1/4-20 WHIZ-LOCK	2
3	6261126	LEG, HINGE, AND LEVELER ASSEMBLY	
		(INCLUDES INDEX #'S 4 THROUGH 6)	1
4	6261113	LEG AND HINGE ASSEMBLY	1
5	1471283	"O" RING49 ID x .10 DIA	1
6	1471098	LEVELER - CABINET	1
7	1211112	TRAY BOLT	2
8	6231203	PLATE - HINGE LEG BOLT	1
9	1451093	5/16 - 18 x 1.00 HW TAPTITE	14
10	1471237	LEG AND LEVELER ASSEMBLY - CABINET	
		(INCLUDES INDEX #'S 11 THROUGH 13)	3
11	1471098	LEVELER - CABINET	1
12	1471283	"O" RING49 ID x .10 DIA	1
13	1471236	LEG ASSEMBLY - CABINET	1

TABLE 11. CUP DELIVERY ASSEMBLY

PART NUMBER	DESCRIPTION	QTY.
6261420	CUP DELIVERY ASSEMBLY	
	(INCLUDES INDEX #'s 2 THROUGH 13)	1
3103133	WING NUT, #8-32 STAINLESS	1
6231488	MOUNTING ASSEMBLY - CUP DEFL.	1
6261421	WELD ASSEMBLY - CUP DELIVERY	1
6231438	CUP DEFLECTOR - R.H.	1
6231443	CUP SPACER/SENSOR LENS	1
6231432	DRAINTRAY	1
6231492	PUSH-IN FASTENER	6
6231489	BASE - CUP DELIVERY STATION	1
6231430	* TUBE - DRAIN	1
6231439	CUP DEFLECTOR - L.H.	1
6231431	RETAINER188	10
6231495	SPRING - CUP DEFLECTOR	1
	6261420 3103133 6231488 6261421 6231438 6231443 6231442 6231492 6231499 6231430 6231439 6231431	6261420 CUP DELIVERY ASSEMBLY (INCLUDES INDEX #'s 2 THROUGH 13) 3103133 WING NUT, #8-32 STAINLESS 6231488 MOUNTING ASSEMBLY - CUP DEFL. 6261421 WELD ASSEMBLY - CUP DELIVERY 6231438 CUP DEFLECTOR - R.H. 6231443 CUP SPACER/SENSOR LENS 6231432 DRAIN TRAY 6231492 PUSH-IN FASTENER 6231489 BASE - CUP DELIVERY STATION 6231430 TUBE - DRAIN 6231431 CUP DEFLECTOR - L.H. 6231431 RETAINER188

TABLE 12. CUP STATION SUPPORT AND OVERFLOW SWITCH

<u>INDEX</u>	PART NUMBER	<u>DESCRIPTION</u>	QTY.
1	6231198	SUPPORT ASSEMBLY - CUP STATION (SEE TABLE 12-1 FOR DETAILS)	1
2	9900118	SCREW	4
3	9900081	NUT	4
4	6151134	COVER - OVERFLOW SWITCH	1
5	9900012	SCREW	1
6	6231223	OVERFLOW SWITCH ASSEMBLY (SEE TABLE 12-2 FOR DETAILS)	1
7	1451097	SCREW, #8-32 x .31 HEX HD T.F. BLACK	ż

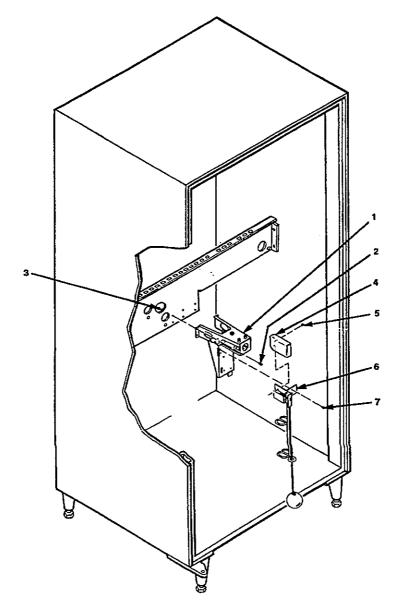


FIGURE 12

TABLE 12-1

SUPPORT ASSEMBLY - CUP STATION

INDEX	PART NUMBER	<u>DESCRIPTION</u>	QTY.
-	6231198	SUPPORT ASSEMBLY - CUP STATION	REF
1	6231126	SUPPORT - CUP STATION	1
2	4247204	STUD - STORAGE TRAY	1
3	4041102	STUD - COLUMN LOCATOR	2
4	6231153	CUP STATION SUPPORT	1
5	1451097	SCREW, #8-32 x .31 HEX HD. TF - BLACK	4

TABLE 12-2. OVERFLOW SWITCH ASSEMBLY

INDEX	PART NUMBER	<u>DESCRIPTION</u>	QTY.
-	6231223	OVERFLOW SWITCH ASSEMBLY	REF
1	6231507	BRACKET ASSEMBLY - OVERFLOW SWITCH	1
2	1217160	SCREW, 4-40 x 5/8 RHS	2
3	6151131	CHAIN - OVERFLOW SWITCH	1
4	4047054	SCREW, #8-18 x 1/2 RHS T/C	2
5	3116127	FLOAT - OVERFLOW SWITCH	1
6	1217159	NUT, 4-40 KEPS W/EXT L/WASHER	2
7	2304108	SWITCH LEVER V3L-131-D8	1
8	3121150	INSULATION - OVERFLOW SWITCH	1

TABLE 13. MOTOR AND PLATE ASSEMBLY

Index

1		2		3		4	
MOTOR AND	PLATE ASSEMBLY	MOTOR		PLATE		#8-32 x 7/32 SCREW	
PART NO.	SPEED	PART NO.	QTY	PART NO.	QTY	PART NO.	QTY
6237436	200 RPM	6237165	1	6237074	1	9900157	3
6237437	60 RPM	6237057	1	6237074	1	9900157	3

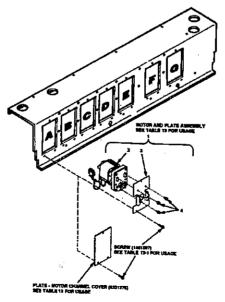


FIGURE 13

TABLE 13-1.	
MOTOR POSITION US	AGE

ŀ	í		WOTOR POSITION USAGE		
	<u>MOTOR</u> <u>POSITION</u>	INGREDIENT	<u>DESCRIPTION</u>	<u>QTY</u>	PARTNO.
	A	CHOCOLATE SCREW	MOTOR AND PLATE ASSEMBLY - 200 RPM	1 3	6237436 1451097
ı	В	NOT USED			
ı	С	WHITENER	MOTOR AND PLATE ASSEMBLY - 200 RPM	1	6237436
ı		SCREW		3	1451097
ı	D	SUGAR	MOTOR AND PLATE ASSEMBLY - 200 RPM	1	6237436
ı		SCREW		3	1451097
ı	E	FD TEA	MOTOR AND PLATE ASSEMBLY - 60 RPM	1	6237437
ı		SCREW		3	1451097
I	F	FD DECAF	MOTOR AND PLATE ASSEMBLY - 200 RPM	1	6237436
ı		SCREW		3	1451097
ı	G	FD COFFEE	MOTOR AND PLATE ASSEMBLY - 200 RPM	1	6237436
ļ		SCREW		3	1451097

TABLE 14. CANISTER USAGE

<u>CANISTER</u> <u>POSITION</u>	<u>DETAIL</u> FIGURE	INGREDIENT	<u>Canister</u> <u>Assembly</u>	<u>PART</u> NUMBER
A B	14-2 NOT USED	CHOCOLATE	1	6237443
C	14-1	WHITENER	1	6237442
D	14-5	SUGAR	1	6237410
E	14-4	FREEZE DRY TEA	1	6237413
F	14-3	FREEZE DRY DECAF	1	6237416
G	14-3	FREEZE DRY COFFEE	1	6237416

GFD-4 Operation and Service Manual **FIGURE 13-1 AND 14**

TABLE 14-1. CANISTER ASSEMBLY 6237442 CANISTER ASSEMBLY 6237442 CANISTER ASSEMBLY 6237442 CANISTER			***	
INDEX PART NUMBER 1 6237024 1 6237044 1 623704 1 623704 1 623704 1 623704 1 623704 1 623704 1 623704 1 623704 1 623704 1 623704 1 623705 6 6 623705 6 6 6 6 6 6 6 6 6			T10: = 444	
INDEX				
1			CANISTER ASSEMBLY 6237442	
1 6237023 LID - CANISTER 1 2 6237055 BASE - CANISTER 1 3 6237106 NOZZILE - DISPENSING CANISTER 1 4 6237104 PLUG AND AUGER ASSEMBLY (INCLUDES INDEX #'S 5 AND 6) 1 5 6237046 PLUG - AUGER (INCLUDES INDEX #'S 5 AND 6) 1 6 6237105 AUGER ASSEMBLY - CANISTER (INCLUDES INDEX #'S 7 THROUGH 9) 1 7 6237025 RETAINING RING - "E" - 500 1 8 6237129 AUGER - CANISTER 1 10 6237026 CLIP - SPRING 1 11 6237026 CLIP - SPRING 1 11 6237026 CLIP - SPRING 1 11 6237027 FASTERNE - PUSH IN 1 12 6237014 BEARING - CANISTER 1 1 6237028 SLEEVE - CANISTER 1 1 6237028 SPRING - THUMPER 1 2 6237018 SPRING - THUMPER 1 5 6237018 SPRING - THUMPER 1 6 6237018 SPRING - THUMPER 1 6 6237018 SPRING - THUMPER 1 7 6234225 SCREW, #8-32 x 38 HHS WILW 2 8 6237084 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 10 THROUGH 12) 1 10 6237025 RETAINING RING - "E" - 500 1 11 6237015 RASE - CANISTER 1 10 6237026 RETAINING RING - "E" - 500 1 11 6237016 MOZILE - DISPENSING - CANISTER 1 1 6237016 RETAINING RING - "E" - 500 1 1 6237025 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 6237026 RETAINING RING - "E" - 500 1 1 CANISTER 1 1 623704 RASE - CANISTER 1 1 1 1 623704 RASE - CANISTER 1 1 1 1 623705 RASE - CANISTER 1 1 1 1 623705 RASE - CANISTER 1 1 1 1 623705 RASE - CANISTER 1 1 1 1 623704 RASE - SASE - CANISTER 1 1 1 1 623704 RASE - SASE - CANISTER 1 1 1 1 623704 RASE - SASE - CANISTER 1 1 1 1 623704 RASE - SASE - CANISTER 1 1 1 1 623704 RASE - SASE - CANISTER 1 1 1 1 623704 RASE - SASE - CANISTER 1 1 1 1 623704 RASE - SASE - CANISTER 1 1 1 1 623704 RASE -	<u>INDEX</u>	PART NUMBER	<u>DESCRIPTION</u>	QTY.
3			LID - CANISTER	
Company				
(INCLUDES INDEX #S 5 AND 6) 1 1 1 1 1 1 1 1 1				1
5	4	623/104	**	
6 6237105 AUGER ASSEMBLY - CANISTER (INCLUDES INDEX #S 7 THROUGH 9) 1 7 6237025 RETAINING RING - "E"500 1 8 6237129 AUGER - CANISTER 1 9 6237026 CLIP - SPRING 1 11 6237026 CLIP - SPRING 1 12 6237014 BEARING - CANISTER 1 12 6237014 BEARING - CANISTER 1 12 6237023 FASTEMER - PUSH IN 1 12 6237023 LID - CANISTER 2 1 62237023 LID - CANISTER 1 1 62237029 NUT, - LOCKING = #8-32, SS - NYLON 2 4 6237108 SPRING - THUMPER 1 5 6237012 BASE - CANISTER 1 5 6237012 BASE - CANISTER 1 6 6237016 WASHER - SEAL WEAR PLATE 2 7 6234295 SCREW, #8-32 x 38 HHS W/LW 2 8 6237080 NOZZLE - DISPENSING - CANISTER 1 10 6237025 RETAINING RING - "E"500 1 11 6237015 AUGER - ACRISTER 1 10 6237026 CLIP - SPRING 1 11 6237016 WASHER - SEAL WEAR PLATE 1 10 6237025 RETAINING RING - "E"500 1 11 6237026 CLIP - SPRING 1 12 6237036 CLIP - SPRING 1 14 6237036 FASTEMER - PUSH IN 1 15 6237016 WASHER - PUSH IN 1 16 6237026 CLIP - SPRING 1 17 6237036 PASTEMER - PUSH IN 1 18 6237038 FASTEMER - PUSH IN 1 19 6237036 CLIP - SPRING - CANISTER 1 10 6237036 PASTEMER - PUSH IN 1 10 6237036 CLIP - SPRING - CANISTER 1 10 6237036 PASTEMER - PUSH IN 1 10 6237037 PASTEMER - PUSH IN 1 10 6237038 PASTEMER - PUSH IN 1 10 6237039 PASTEMER - PUSH IN 1 10 6237030 PASTEMER - PUSH IN	5	6237046		-
(INCLUDES INDEX #S 7 THROUGH 9) 1				'
7 6237025 RETAINING RING-*E"500 1 8 6237129 AUGER - CANISTER 1 9 6237026 CLIP - SPRING 1 10 6237026 CLIP - SPRING 1 11 6237023 LID - CANISTER 1 TABLE 14-2. CHOCOLATE CANISTER ASSEMBLY 6237443 INDEX PART NUMBER 1 6237023 LID - CANISTER 1 2 6237439 SLEEVE - CANISTER 1 3 6237039 NUT - LOCKING = #8-32, SS - NYLON 2 4 6237108 SPRING - THUMPER 1 5 6237012 BASE - CANISTER - THUMPER 1 6 6237116 WASHER - SEAL WEAR PLATE 2 7 6234295 SCREW, #8-32 x. 38 HHS W/LW 2 8 6237080 NOZZLE - DISPENSING - CANISTER 1 10 6237094 AUGER AND SHAFT ASSEMBLY 1 11 6237015 AUGER AND SHAFT ASSEMBLY 1				1
SCATORY SHAFT - AUGER 1	7	6237025		
10 6237026 CLIP - SPRING 1 1 1 1 1 1 1 1 1		6237129	AUGER - CANISTER	1
TABLE 14-2. CHOCOLATE CANISTER 1				1
TABLE 14-2. CHOCOLATE CANISTER SEMBLY 6237443 SEMBLY 6237043 SEMBLY 6237043 LID - CANISTER ASSEMBLY 6237443 LID - CANISTER 1 C				
TABLE 14-2. CHOCOLATE CANISTER ASSEMBLY 6237443 NDEX				
CHOCOLATE CANISTER ASSEMBLY 6237443	12	623/014	BEARING - CANISTER	1
CHOCOLATE CANISTER ASSEMBLY 6237443			TARLE 14.0	
NDEX			·- · · · · ·	
1 6237023 LID - CANISTER 1 2 6237439 SLEEVE - CANISTER 1 3 6237059 NUT, - LOCKING = #8-32, SS - NYLON 2 4 6237108 SPRING - THUMPER 1 5 6237012 BASE - CANISTER - THUMPER 1 6 6237116 WASHER - SEAL WEAR PLATE 2 7 6234295 SCREW, #8-32 x. 38 HHS WLW 2 8 6237080 NOZZLE - DISPENSING - CANISTER 1 9 6237094 AUGER AND SHAFT ASSEMBLY 1 10 6237025 RETAINING RING - "E"500 1 11 6237015 AUGER - CANISTER 1 12 6237097 SHAFT - AUGER 1 13 6237026 CLIP - SPRING 1 14 6237053 FASTENER - PUSH IN 1 15 6237018 MIXING WHEEL 1 17 6237046 PLUG - AUGER (NOT SHOWN) 1 1 TABLE 14-3. FD COFFEE CANISTER 1 2 6237023 LID - CANISTER 1 3 6237026 DLUG - AUGER (NOT SHOWN) 1 1 TABLE 14-3. FD COFFEE CANISTER 1 1 6237018 MIXING WHEEL 1 17 6237046 PLUG - AUGER (NOT SHOWN) 1 1 TABLE 14-3. FD COFFEE CANISTER 1 2 6237023 LID - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 5 THROUGH 7) 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 5 THROUGH 7) 1			CHOCOLATE CANISTER ASSEMBLY 6237443	
2 6237439 SLEEVE - CANISTER 3 6237059 NUT, - LOCKING = #8-32, SS - NYLON 4 6237108 SPRING - THUMPER 5 6237012 BASE - CANISTER - THUMPER 6 6237116 WASHER - SEAL WEAR PLATE 7 6234295 SCREW, #8-32 x. 38 HHS WLW 8 6237080 NOZZLE - DISPENSING - CANISTER 9 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 10 THROUGH 12) 10 6237025 RETAINING RING - "E"500 11 6237015 AUGER - CANISTER 11 6237015 AUGER - CANISTER 12 6237097 SHAFT - AUGER 13 6237026 CLIP - SPRING 14 6237025 FASTENER - PUSH IN 15 6237014 BEARING - CANISTER 16 6237018 MIXING WHEEL 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER 1 6237023 LID - CANISTER 2 6237055 BASE - CANISTER 3 6237080 NOZZLE - DISPENSING - CANISTER 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 5 THROUGH 7) 1 1				<u>QTY.</u>
3 6237059 NUT, - LOCKING = #8-32, SS - NYLON 2 4 6237108 SPRING - THUMPER 1 5 6237012 BASE - CANISTER - THUMPER 1 6 6237116 WASHER - SEAL WEAR PLATE 2 7 6234295 SCREW, #8-32 x .38 HHS W/LW 2 8 6237080 NOZZLE - DISPENSING - CANISTER 1 9 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 10 THROUGH 12) 1 10 6237025 RETAINING RING - "E"500 1 11 6237015 AUGER - CANISTER 1 11 6237015 AUGER - CANISTER 1 12 6237097 SHAFT - AUGER 1 13 6237026 CLIP - SPRING 1 14 6237053 FASTENER - PUSH IN 1 15 6237014 BEARING - CANISTER 1 16 6237018 MIXING WHEEL 1 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER 1 1 6237023 LID - CANISTER 1 2 6237023 LID - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237080 NOZZLE - DISPENSING - CANISTER 1 5 6237080 NOZZLE - DISPENSING - CANISTER 1 6 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 5 THROUGH 7) 1				-
4 6237108 SPRING - THUMPER 1 5 6237012 BASE - CANISTER - THUMPER 1 6 6237116 WASHER - SEAL WEAR PLATE 2 7 6234295 SCREW, #8-32 x. 38 HHS W/LW 2 8 6237080 NOZZLE - DISPENSING - CANISTER 1 9 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 10 THROUGH 12) 1 10 6237025 RETAINING RING - "E"500 1 11 6237015 AUGER - CANISTER 1 12 6237097 SHAFT - AUGER 1 13 6237026 CLIP - SPRING 1 14 6237053 FASTENER - PUSH IN 1 15 6237014 BEARING - CANISTER 1 16 6237018 MIXING WHEEL 1 17 6237046 PLUG - AUGER (NOT SHOWN) 1 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 NOZZLE - DISPENSING - CANISTER 1 2 6237023 LID - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 5 THROUGH 7) 1				
5 6237012 BASE - CANISTER - THUMPER 6 6237116 WASHER - SEAL WEAR PLATE 7 6234295 SCREW, #8-32 x .38 HHS W.LW 8 6237080 NOZZLE - DISPENSING - CANISTER 9 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 10 THROUGH 12) 10 6237025 RETAINING RING - "E"500 11 6237015 AUGER - CANISTER 11 6237015 AUGER - CANISTER 12 6237097 SHAFT - AUGER 13 6237026 CLIP - SPRING 14 6237053 FASTENER - PUSH IN 15 6237014 BEARING - CANISTER 16 6237018 MIXING WHEEL 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER 1 6237023 LID - CANISTER 2 6237025 BASE - CANISTER 3 6237090 NOZZLE - DISPENSING - CANISTER 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1 1				
6 6237116 WASHER - SEAL WEAR PLATE 7 6234295 SCREW, #8-32 x .38 HIS W/LW 8 6237080 NOZZLE - DISPENSING - CANISTER 9 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 10 THROUGH 12) 11 6237015 AUGER - CANISTER 11 6237015 AUGER - CANISTER 11 6237026 CLIP - SPRING 11 6237026 CLIP - SPRING 11 6237014 BEARING - CANISTER 11 6 6237018 MIXING WHEEL 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER 1 CANISTER 1 6237023 LID - CANISTER 1 6237080 NOZZLE - DISPENSING - CANISTER 1 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 5 THROUGH 7) 1 10 CANISTER 1 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #S 5 THROUGH 7)				
7 6234295 SCREW, #8-32 x .38 HHS W/LW 8 6237080 NOZZLE - DISPENSING - CANISTER 9 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 10 THROUGH 12) 10 6237025 RETAINING RING - "E"500 1 11 6237015 AUGER - CANISTER 1 12 6237097 SHAFT - AUGER 1 13 6237026 CLIP - SPRING 1 14 6237053 FASTENER - PUSH IN 1 15 6237014 BEARING - CANISTER 1 16 6237018 MIXING WHEEL 1 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER DESCRIPTION QTY. 1 6237023 LID - CANISTER 1 2 6237025 BASE - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1				
8 6237080 NOZZLE - DISPENSING - CANISTER 9 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 10 THROUGH 12) 10 6237025 RETAINING RING - "E"500 1 11 6237015 AUGER - CANISTER 1 12 6237097 SHAFT - AUGER 1 13 6237026 CLIP - SPRING 1 14 6237053 FASTENER - PUSH IN 1 15 6237014 BEARING - CANISTER 1 16 6237018 MIXING WHEEL 1 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER				
9 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 10 THROUGH 12) 10 6237025 RETAINING RING - "E"500 11 6237015 AUGER - CANISTER 12 6237097 SHAFT - AUGER 13 6237026 CLIP - SPRING 14 6237053 FASTENER - PUSH IN 15 6237014 BEARING - CANISTER 16 6237018 MIXING WHEEL 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER 1 6237023 LID - CANISTER 1 6237025 BASE - CANISTER 1 6237080 NOZZLE - DISPENSING - CANISTER 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1 1				
(INCLUDES INDEX #'S 10 THROUGH 12) 10 6237025 RETAINING RING - "E"500 1 11 6237015 AUGER - CANISTER 1 12 6237097 SHAFT - AUGER 1 13 6237026 CLIP - SPRING 1 14 6237053 FASTENER - PUSH IN 1 15 6237014 BEARING - CANISTER 1 16 6237018 MIXING WHEEL 1 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER 1 1 6237023 LID - CANISTER 1 2 6237023 LID - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1				•
10 6237025 RETAINING RING - "E"500 1 11 6237015 AUGER - CANISTER 1 12 6237097 SHAFT - AUGER 1 13 6237026 CLIP - SPRING 1 14 6237053 FASTENER - PUSH IN 1 15 6237014 BEARING - CANISTER 1 16 6237018 MIXING WHEEL 1 17 6237046 PLUG - AUGER (NOT SHOWN) 1 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER 1				1
12 6237097 SHAFT - AUGER 13 6237026 CLIP - SPRING 14 6237053 FASTENER - PUSH IN 15 6237014 BEARING - CANISTER 16 6237018 MIXING WHEEL 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER DESCRIPTION QTY. 1 6237023 LID - CANISTER 1 2 6237025 BASE - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1	10	6237025	<u> </u>	
13 6237026 CLIP - SPRING 1 14 6237053 FASTENER - PUSH IN 1 15 6237014 BEARING - CANISTER 1 16 6237018 MIXING WHEEL 1 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 NOEX PART NUMBER DESCRIPTION QTY. 1 6237023 LID - CANISTER 1 2 6237025 BASE - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1	11	6237015	AUGER - CANISTER	1
14 6237053 FASTENER - PUSH IN 15 6237014 BEARING - CANISTER 16 6237018 MIXING WHEEL 17 6237046 PLUG - AUGER (NOT SHOWN) 1 TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER DESCRIPTION QTY. 1 6237023 LID - CANISTER 1 2 6237025 BASE - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1		6237097	SHAFT - AUGER	1
15 6237014 BEARING - CANISTER 16 6237018 MIXING WHEEL 17 6237046 PLUG - AUGER (NOT SHOWN) TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416 INDEX PART NUMBER DESCRIPTION QTY. 1 6237023 LID - CANISTER 1 2 6237025 BASE - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1				1
16				1
TABLE 14-3. **FD COFFEE CANISTER ASSEMBLY 6237416** INDEX PART NUMBER DESCRIPTION QTY.				1
TABLE 14-3. FD COFFEE CANISTER ASSEMBLY 6237416				
FD COFFEE CANISTER ASSEMBLY 6237416 INDEX	17	0237040	PLOG - AUGER (NOT SHOWN)	1
FD COFFEE CANISTER ASSEMBLY 6237416 INDEX			TARIE 14-2	
NDEX			the state of the s	
1 6237023 LID - CANISTER 1 2 6237055 BASE - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1				
2 6237055 BASE - CANISTER 1 3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1				QTY.
3 6237080 NOZZLE - DISPENSING - CANISTER 1 4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1				
4 6237094 AUGER AND SHAFT ASSEMBLY (INCLUDES INDEX #'S 5 THROUGH 7) 1				
(INCLUDES INDEX #'S 5 THROUGH 7) 1	1			1
· · · · · · · · · · · · · · · · · · ·	4	623/094	· · · · · · · · · · · · · · · · · · ·	4
5 6237025 RETAINING DING . "E" . 500	5	6237025	(INCLUDES INDEX #S 5 THROUGH 7) RETAINING RING - "E"500	
5 6237025 RETAINING RING - "E"500 1 6 6237015 AUGER - CANISTER 1	1			•
7 6237097 SHAFT - AUGER 1	1			•
8 6237026 CLIP - SPRING 1	1			•
9 6237053 FASTENER - PUSH IN 1	I			
10 6237014 BEARING - CANISTER 1	10	6237014		

6237018

MIXING WHEEL

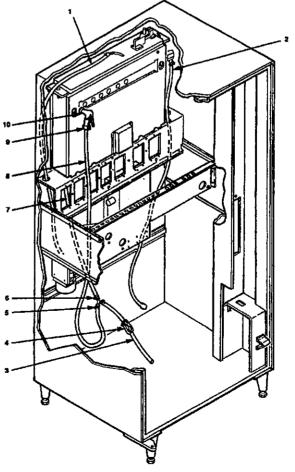
GFD-4 Operation and Service Manual TO TO TO THE TOTAL PROPERTY OF THE PARTY OF **FIGURE 14-2**

		TABLE 14-4.	
		CANISTER ASSEMBLY 6237413	
INDEX	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	6237023	LID - CANISTER	1
2	6237055	BASE - CANISTER	1
3 4	6237063	NOZZLE - DISPENSING - CANISTER	1
4	6237094	AUGER AND SHAFT ASSEMBLY	
5	6237025	(INCLUDES INDEX #'S 5 THROUGH 7) RETAINING RING - "E"500	1
6	6237015	AUGER - CANISTER	1
7	6237097	SHAFT - AUGER	! •
8	6237026	CLIP - SPRING	1
9	6237053	FASTENER - PUSH IN	1
10	6237014	BEARING - CANISTER	i
11	6237018	MIXING WHEEL	i
		TABLE 14-5.	
		CANISTER ASSEMBLY 6237410	
INDEX	DARTHUMPER		
1	PART NUMBER	DESCRIPTION	<u>QTY.</u>
2	6237023	LID - CANISTER	1
3	6237008	SLEEVE - CANISTER	1
3 4	6237055	BASE - CANISTER	1
5	6237063 6237094	NOZZLE - DISPENSING - CANISTER	1
3	0237094	AUGER AND SHAFT ASSEMBLY	
6	6237025	(INCLUDES INDEX #'S 6 THROUGH 8)	1
7	6237015	RETAINING RING - "E"500 AUGER - CANISTER	1
8	6237097		1
9	6237026	SHAFT - AUGER CLIP - SPRING	1
10	6237053	FASTENER - PUSH IN	1
11	6237014	BEARING - CANISTER]
12	6237018	MIXING WHEEL	1
			•
		TABLE 15.	
****		SERVICE LIGHT/BRACKET ASSEMBLY	
INDEX	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	0004070	SCREW	2
2	6231372	SERVICE LIGHT/BRACKET ASSEMBLY	
3	2346017	(INCLUDES INDEX #'s 3 THROUGH 18)	1
	2040017	LIGHT ASSEMBLY - FLUORESCENT (INCLUDES INDEX #'s 14 THROUGH 8)	
4	2272041	WIRE COVER	1
5	2272036	BRACKET - LOWER LIGHT	2
6	3107171	SCREW - #4-36 X 5/8	1 2
7	2346016	HARNESS - FLUORESCENT LIGHT	1
8	1452076	SCREW - #4-36 X .437	2
9	1451097	SCREW - #8-32 X .31 HEX HEAD	2
10	1170206	SCREW - #8-32 X 3/8	2
11	3106154	BUSHING - #SB875	1
12	6231554	BRACKET - SERVICE	i
13	3151058	BALLASTASSEMBLY	1
14	1452139	RETAINER - HARNESS	1
15	9900081	NUT - #8-32 KEPS	2
16	9900033	LOCKWASHER - #8 EXTERNAL TOOTH	1
17	3116122	GROUND WIRE ASSEMBLY	1
18	3157068	SCREW - #8-32 X .31 HEX HEAD	1
19	2222096	FLUORESCENT LAMP	1
20	6232305	LAMP SLEEVE AND END CAPS ASSEMBLY	1

TABLE 16. LIQUID DISTRIBUTION AND DRAIN SYSTEM

		LIGOID DIGITIDO HOMAND DITANIO 151 LIN	
INDEX	PART NUMBER	<u>DESCRIPTION</u>	QTY.
1	6237041	TUBE 53.0 LG	1
2	6238052	TUBE - 60" LG	1
3	6518002	TUBE, .38 x .56 x 20.0	1
4	6238154	CLAMP - PLASTIC - THROTTLING	1
5	6158063	CLAMPHOSE	3
6	6158007	Y CONNECTOR - 1/2 OD x 3/8 ID	1
7	6237153	TUBE 18.0	1
8	6237154	TUBE 60.0	1
9	6238051	FITTING - SPRAY HOSE	1
10	6238050	SPRAY HEAD	1
11	NOT USED		
12	NOT USED		
13	6238057	TUBE - 26.50* LONG	-
14	6237134	TUBE - 4.50" LONG	-
15	6138119	TUBE - 1.50" LONG	-
16	6237164	TEE	-
17	6157044	TUBE - 4.00" LONG	-
18	6124109	TUBE - 5.00" LONG	•
19	6237135	TUBE - 6.00" LONG	•
20	3628001	TUBE - 11.00" LONG	-
21	6234317	TUBE - 14.50" LONG	-
22	6198003	TUBE - 25.62" LONG	
		1	

FIGURE 16 (1 OF 2)



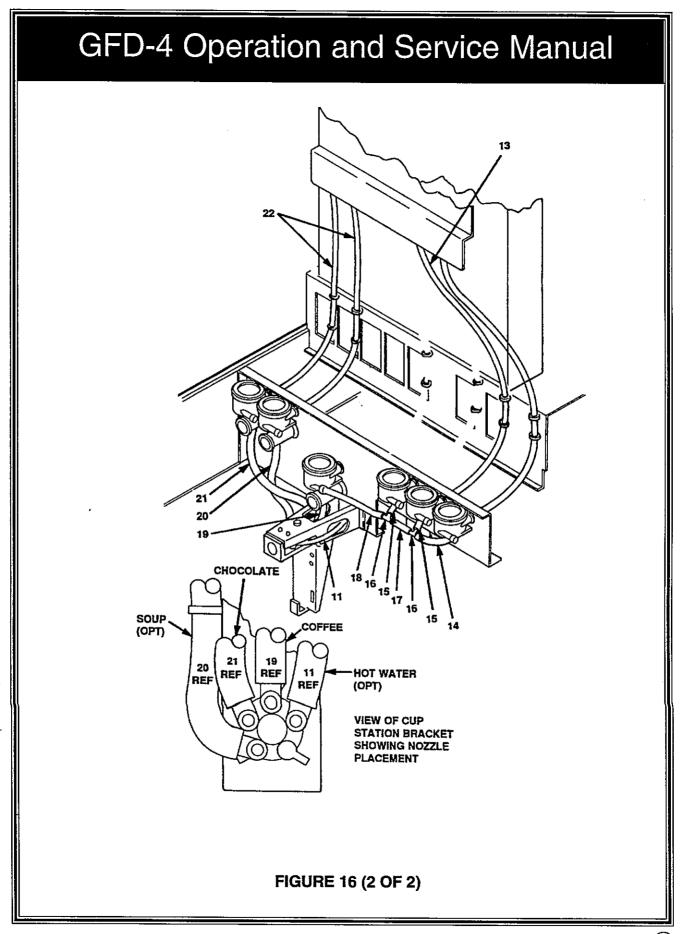


TABLE 19-B. CHANNEL ASSEMBLY - MONETARY (WITHOUT OPTIONS)

CHARLE ACCEMBET - MORETARIT (WITHOUT OF HORO)				
PART NUMBER	DESCRIPTION	QTY.		
G6261001	CHANNEL ASSY - NO OPT - MON - GLASCO	1		
6231388	CHANNEL - MONETARY MTG	1		
1411122	MOUNT HARNESS EDGE	3		
5500026	SCREW, #8-32 x 3/8 PHS T/FORMING	3		
9989329	PLASTIC EXPANSION NUT .250 SPACER	4		
6239025	CABLE ASSY - 16 CONDUCTOR	1		
6266000	PCB ASSY - CAB INTF #1	1		
6231393	VEND CONTROLLER BD. COVER	1		
6231189	LABEL - WARNING - HIGH VOLTAGE	2		
2342216	LABEL - STATIC - CAUTION	2		
6231227	BRACKET - PLUG BLOCK	1		
NOT USED				
1451097	SCREW, #8-32 x .31 HEX HD TF - BLACK (NOT SHOWN)	9		
NOT USED	,			
NOT USED				
NOT USED	A Company of the Comp			
NOT USED				
6231159	CLOSURE PLATE	1		
NOT USED		-		
6231181	BRKT/HARN ASSY - COIN HDLG	1		
9900130	SCREW, #6-32 x 1/4 PHS S/TAPPING	2		
9983778	TRIAC - 35A - 600V	1		
4721035	SCREW. #8-18 x .38 - LGM	1		
NOT USED				
4304069	JUMPER - MONETARY BOARD	1		
6236010	INTFC, PCB ASSY - COIN MECH	1		
1471199	8-18 x 1/2 PHS TYPE B ZP	3		
6231392	CONTROLLER BD. COVER	1		
6231315	LABEL - LED FUNCTION	1		
G6266000	MAIN CONTROLLER PCB ASSY			
6231030	STANDOFF - FASTENER	14 1		
	G6261001 6231388 1411122 5500026 9989329 6239025 6266000 6231393 6231189 2342216 6231227 NOT USED 6231159 NOT USED 6231181 9900130 9983778 4721035 NOT USED 4304069 6236010 1471199 6231392 6231315 G6266000	PART.NUMBER DESCRIPTION G261001 CHANNEL ASSY - NO OPT - MON - GLASCO 6231388 CHANNEL - MONETARY MTG 1411122 MOUNT HARNESS EDGE 5500026 SCREW, #8-32 x 3/8 PHS T/FORMING 9389329 PLASTIC EXPANSION NUT. 250 SPACER 6239025 CABLE ASSY - 16 CONDUCTOR 6266000 PCB ASSY - CAB INTF #1 6231393 VEND CONTROLLER BD. COVER 6231189 LABEL - WARNING - HIGH VOLTAGE 2242216 LABEL - STATIC - CAUTION 6231227 BRACKET - PLUG BLOCK NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED CLOSURE PLATE NOT USED 6231159 CLOSURE PLATE SCREW, #6-32 x 1/4 PHS S/TAPPING 9903130 SCREW, #6-32 x 1/4 PHS S/TAPPING 9983778 TRIAC - 35A - 600V 4721035 SCREW, #8-18 x .38 - LGM NOT USED JUMPER - MONETARY BOARD 4304069 JUMPER - MONETARY BOARD 6231392 CONTROLLER BD. COVER 62313		

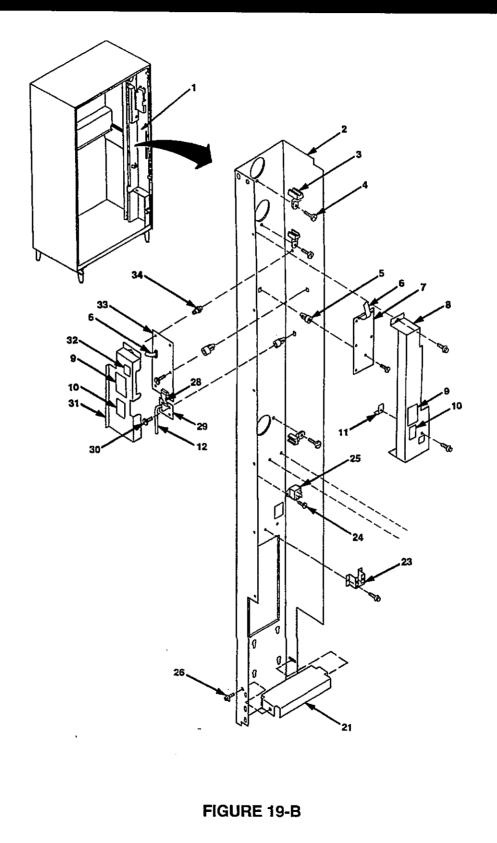
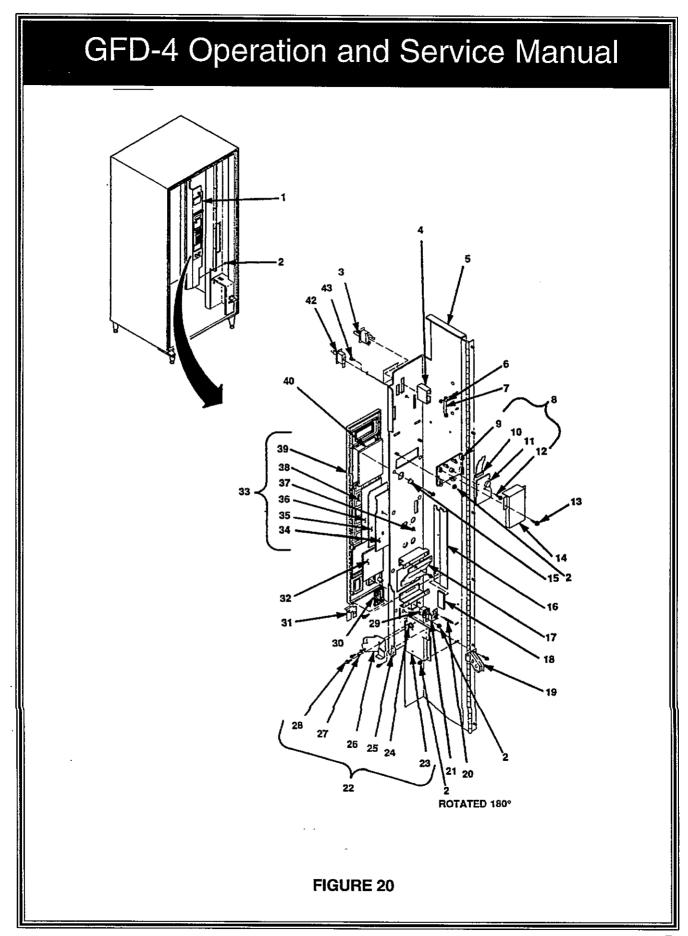


TABLE 20. MONETARY PANEL ASSEMBLY

i e		mone in in include Accession	
INDEX	PART NUMBER	DESCRIPTION	<u>QTY.</u>
1	G6265000	MONETARY PANEL ASSEMBLY	1
2	9900081	NUT, #8-32 HEX W/LW	14
3	6151140	SWITCH - IDM160	1
4	6231382	COVER - SERVICE LIGHT SWITCH	1
5	6235001	PANEL AND STUD ASSEMBLY	1
6	1451042	CLAMP - WIRE	1
7	1451043	COVER - CLAMP	1
8	1475018	DISPLAYASSEMBLY	
		(INCLUDES INDEX #'S 9 THROUGH 12)	1
9	1475099	BRACKET - PCB DISPLAY	1
10	1472261	CABLE ASSEMBLY - RIBB.	1
11	9989538	PCB ASSEMBLY - 10 CHARACTER DISPLAY	1
12	2226380	SCREW #6-19 X .38	1
13	4041106	SCREW - #8 18 X 3/4	2
14	1475100	COVER - DISPLAY	1
15	2302053	SPACER CUP	10
16	1475071	PLATE - MAGNET MOUNTING	1
17	1475048	BRACKET - NO VALIDATOR (OPTIONAL)	•
18	3122056	MAGNET RETAINER	2
19	1475083	CHUTE ASSEMBLY - COIN	1
20	1127808	SPRING SHELF	1
21	1475008	BRACKET - COIN RETURN	1
22	6231311	BRACKET ASSEMBLY - COIN MECH	
		(INCLÚDES INDEX #'S 23 THROUGH 28)	1
23	6235024	BRACKET - COIN MECH	1
24	2204093	WASHER - SCAVENGER	1
25	6231037	CLAMP - CABLE	1
26	6235025	ARM - SCAVENGER	1
27	2228011	SPACER RELEASE	2
28	9900106	SCREW - #8-32 X 3	7
29	1475073	BUTTON ASSEMBLY - COIN RETURN	1
30	1472223	COIN INSERT	1
31	1472222	COINBLOCK	1
32	G1475002	INSERT INSTR LOWER	1
	G1475003	INSERT INSTR LOWER	
	G1475004	INSERT INSTR LOWER	
33	G1475007	FACEPLATE ASSEMBLY	
		(INCLUDES INDEX #'S 34 THROUGH 39)	1
34	1475030	PLATE - SELECTION	1
35	1475029	SWITCH ASSEMBLY - SELECTION	1
36	G1475006	LETTER SHEET - GLASCO	1
07	1475089	NUT' - SELF TH	4
38	1472251	LENS - PUSH BUTTON	21
39	G1475008	FACEPLATE - MONETARY	1
40	G6265002	INSERT - INSTR - UPPER - GLASCO	i
41	NOT USED	The second secon	•
37 38 39 40 41 42 43	9989594	SWITCH 1DM3	1
43	4245186	SCREW - #8-32 X 1	4
ı .•			•



•	TABLE 21.		
CANISTER SUPPORT	CHANNEL ASSEMBL	Y AND	MIXING BOWLS

INDEX	PART NUMBER	DESCRIPTION	QTY.
1	6231033	BRACKET - CANISTER SUPPORT	1
2		SCREW	2
3	6261130	CANISTER SUPPORT CHANNEL ASSEMBLY	
		(SEE TABLE 21-1 FOR DETAILS)	1
4	1451097	SCREW, #8-32 x .31 HEX TF	4

TABLE 21-1. CANISTER SUPPORT CHANNEL ASSEMBLY

	OAMOTEN CONTONAME ACCEMBEN				
INDEX	PART NUMBER	DESCRIPTION	QTY.		
1	6261130	CHANNEL ASSEMBLY - CANISTER SUPPORT	1		
2	2302223	GROMMET - 3/16			
		(SEE TABLE 21-2 FOR APPLICATIONS AND LOCATIONS)	-		
3	6237315	RETAINER - TUBE - MIXING BOWL			
		(SEE TABLE 21-2 FOR APPLICATIONS AND LOCATIONS)	=		
4	6237115	GROMMET - WHIPPER MOUNTING			
		(SEE TABLE 21-2 FOR APPLICATIONS AND LOCATIONS)	•		
5	-	MIXING BOWL AND WHIPPER ASSEMBLIES			
		(SEE TABLE 21-3 FOR APPLICATIONS AND LOCATIONS, AND			
		FIGURE 21-3 FOR DETAILS)	•		

TABLE 21-2. MIXING ROWL AND WHIPPER POSITIONS

<u>POSITION</u>	SELECTION	<u>WHIPPER</u>	COMPONENT	QTY	PART NO.
A	CHOCOLATE	YES	MIXING BOWL ASSEMBLY	1	6237127
			RETAINER TUBE - MIXING BOWL	1	6237315
			GROMMET - WHIPPER MOUNTING	1	6237115
			GROMMET 3/16	1	2302223
			WHIPPER ASSEMBLY	1	6237195
В	NOT USED				
С	CONDIMENTS	YES	MIXING BOWL ASSEMBLY	1	6237128
			RETAINER TUBE - MIXING BOWL	1	6237315
			GROMMET - WHIPPER MOUNTING	1	6237115
1			GROMMET 3/16	1	2302223
			WHIPPER ASSEMBLY	1	6237195
D	FREEZE DRY TEA	NO	MIXING BOWL ASSEMBLY	1	6237125
			RETAINER TUBE - MIXING BOWL	1	6237315
E	FREEZE DRY DECAF	NO	MIXING BOWL ASSEMBLY	1	6237125
	· · · · · · · · · · · · · · · · · · ·		RETAINER TUBE - MIXING BOWL	1	6237315
F	FREEZE DRY COFFEE	NO	MIXING BOWL ASSEMBLY	1	6237125
			RETAINER TUBE - MIXING BOWL	i	6237315

TABLE 21-3.
MIXING BOWL AND WHIPPER ASSEMBLIES

			····· · — · · · · · · · · · · · · · · ·		
IND	X PART#	<u>DESCRIPTION</u>	QUANTITY PL	ER MIXING BOWL A	SSEMBLY
			(BY PART NU	MBER)	
			6237127	6237125	6237128
1	6237313	VENT - BOWL	1	1	1
2	6237118	MIXING BOWL	1	1	1
3	6237306	VINYL CAP38 I.D.	1	1	_
4	6237312	SPOUT - MIXING BOWL	-	1	-
5	6237195	WHIPPER ASSEMBLY	1	•	1
		(INCLUDES INDEX #'S 6 THROUGH	11)		•
6	6237114	COVER - WHIPPER	1	-	1
7	6237113	IMPELLER - WHIPPER	1	-	1
8	6237110	V RING - SHAFT SEAL	i	_	1
9	6237112	HOUSING - IMPELLER	i	_	i
10	6237156	MOTOR ASSEMBLY - WHIPPER	i	_	i
11	6237119	SCREW, M3XL,5-6GX6MM - SPH	•	_	.
	6237117	IMPELLER REMOVAL TOOL*	<u>.</u>	-	-
*(NC		CLUDED IN ALL PARTS BAGS		-	-

SHAFT SEAL (INDEX NO. 8) INSTALLED ON SHAFT WITH V-CUP SEAL FACE TOWARD MOTOR.

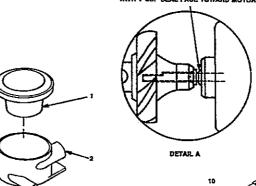


FIGURE 21-3



COFFEE AND CONDIMENT CHUTE

<u>INDEX</u>	PART NUMBER	<u>DESCRIPTION</u>	QTY.
1	6237144	BRACKET - DEFLECTOR - CHOCOLATE	1
2	6267144	CHUTE ASSEMBLY - 2 INGRED	
		(INCLUDES INDEX #'S 3 AND 4)	1
3	6267145	INGREDIENT CHUTE - 2 PRODUCT	1
4	6267146	COVER - INGRED CHUTE - 2 PRODUCT	1

GFD-4 Operation and Service Manual FIGURE 22 6237144 **BRACKET - DEFLECTOR - CHOCOLATE** (USED ON ALL MACHINES) **COVER INGRED CHUTE** -2 PROD 6267144 **CHUTE ASSEMBLY** -2 INGREDIENT 6267145 **USED FOR SUGAR INGRED CHUTE AND LIGHTENER** -2 PROD

TABLE 23. VENTILATION ASSEMBLY

ı				
١	<u>INDEX</u>	<u>Part Number</u>	<u>DESCRIPTION</u>	QTY.
ı	1	6237337	HOSE - EXHAUST - 18" LG	1
ı	2	6137157	COUPLING VENT HOSE	2
l	3	6267310	VENT ASSEMBLY - FD (NO SOUP)	
١			(INCLUDES INDEX #'S 4, 6, AND 7)	1
ł	4	6237335	PLUG - CENTER PULL - 1.07	1
I	5	NOT USED		-
Ì	6	6237336	VENT - EXTENSION - SUGAR/LIGHTENER	1
l	7	6267301	VENT - SHELF - F.D.	1
l	8	6231169	LABEL - EXHAUST FILTER INSP	i
l	8	6231169		i

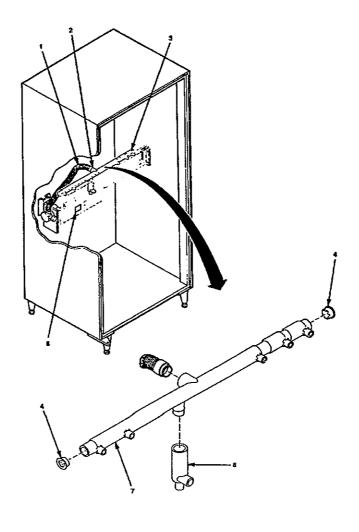


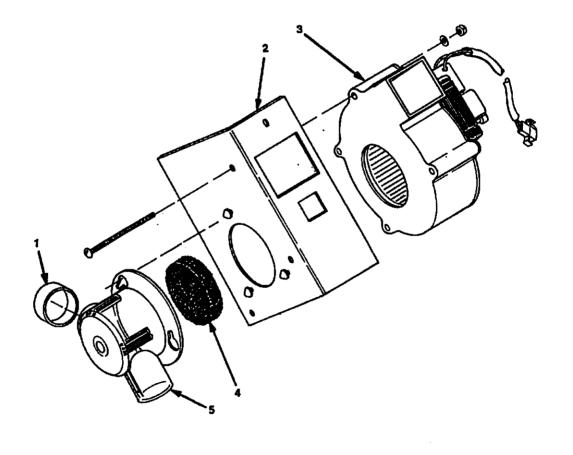
FIGURE 23

TABLE 23-1.

FILTER - EXHAUST BLOWER

HOUSING - EXHAUST BLOWER

	ran, filien, and nousing assemblt	
	DESCRIPTION	QTY.
1	VINYL CAP - 1.25 I.D.	1
i	BRACKET ASSEMBLY - BLOWER MTG	1
	BLOWER ASSEMBLY (HORIZONTAL)	
	(INCLUDES MOUNTING HARDWARE)	1



<u>INDEX</u>

2

PART NUMBER 6237305

6231550 6231548

6237340

6237342

TABLE 24-A. WATER SUPPLY - WITH WATER FILTER OPTION

	<u>INDEX</u>	PART NUMBER	<u>DESCRIPTION</u>	QTY.
	1	6261120	TUBE ASSEMBLY - WATER INLET	1
ŀ	2	6238110	HEAD ASSEMBLY - FILTER AND VALVE	
			(INCLUDES INDEX #'S 3 THROUGH 11)	1
l	3	3108045	VALVE - WATER INLET	1
ı	4	•	NIPPLE - 3/8 NPTF - HEX	1
ı	5	3158022	HEAD - WATER FILTER	1
ı	6	3158023	BRACKET - MOUNTING - WATER FILTER	1
ı	7	9900163	SCREW, #10-32 x 5/8 RHS T/C	2
ı	8	3128150	ELBOW - MALE - 1/4 SAE FLX 3/8 NPTF	1
ı	9	3116122	GROUND WIRE ASSEMBLY	1
ı	10	9900081	NUT, #8-32 KEPS	1
	11	9900023	SCREW, #8-32 x .37 PITS W/LW	1

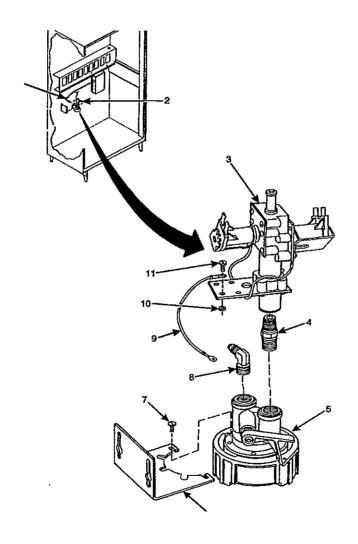


FIGURE 24-A

TABLE 25. WATER TANK ASSEMBLY

ı			WAILMIAMKASSLWDLI	
I	INDEX	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	QTY.
ı	1		ATTACHING HARDWARE	4
ı	2	6231036	CLAMP - WATER TANK	2
ı	3	6238001	WATER TANK ASSEMBLY	
l			(INCLUDES INDEX #'S 4 THROUGH 22)	1
ı	4	6238150	LID ASSEMBLY-FINAL-WATER TANK	
Į			(INCLUDES INDEX #'S 5 THROUGH 14)	1
I	5	6238167	WELD ASSEMBLY-COVER-WATER TANK	1
l	6	6238070	SCREW-#4-17 X .62 HEX HEAD	4
İ	7	6238084	SWITCH-LEVER - 10 GRAM	2
I	8	6238068	BRACKET-MOUNTING-SWITCH	1
ŀ	9	6138183	ACTUATOR-SWITCH	1
ŀ	10	6124073	RETAINING RING REINF E TYPE	2
ı	11	6237049	SCREW-#8-16 X .25	2
ı	12	6508033	FLOAT-WATER TANK	1
ı	13	6238020	SHAFT-FLOAT	1
ı	14	6238144	BEARING-LID-HOT WATER TANK	1
l	15	6238026	GASKET-CUT-WATER TANK	1
ı	16	6238015	WELD ASSEMBLY - WATER TANK	1
ı	17	9900081	NUT-#8-32 KEPS	16
ı	18	3608005	CLIP-SAFETY-THERMOSTAT	1
ļ	19	6238135	THERMOSTAT-AUTO RESET	1
I	20	6238100	HEATER-1250 WATTS @ 120 V	1
ı	21	1172021	NUT-1/4-20 WHIZ-LOCK	6
ı	22	6238042	GASKET-HEATER	1
ı	23	6238044	TANK COVER AND INSULATION ASSEMBLY	1
l	24	6231189	LABEL-WARNING-HIGH VOLTAGE	1
Ì	25	1452139	RETAINER-HARNESS	3
Į	26	1451097	SCREW-#8-32 X .31 HEX HEAD	7
I	27	6238077	COVER-HEATER-WATER TANK	1
ŀ	28	6238139	RETAINER-SENSOR-HOT WATER TANK	1
١	29	6231188	LABEL-CAUTION-HOT SURFACE	1
ĺ	30	6238045	PLUG ASSEMBLY - HOT WATER TANK	OPT
l	31	6238170	VALVE ASSEMBLY, HOT WATER TANK	4
ļ		000000	(SEE FIGURE 25-1 FOR DETAILS)	
l	32	6236022	SENSOR ASSEMBLY - TANK TEMPERATURE	1

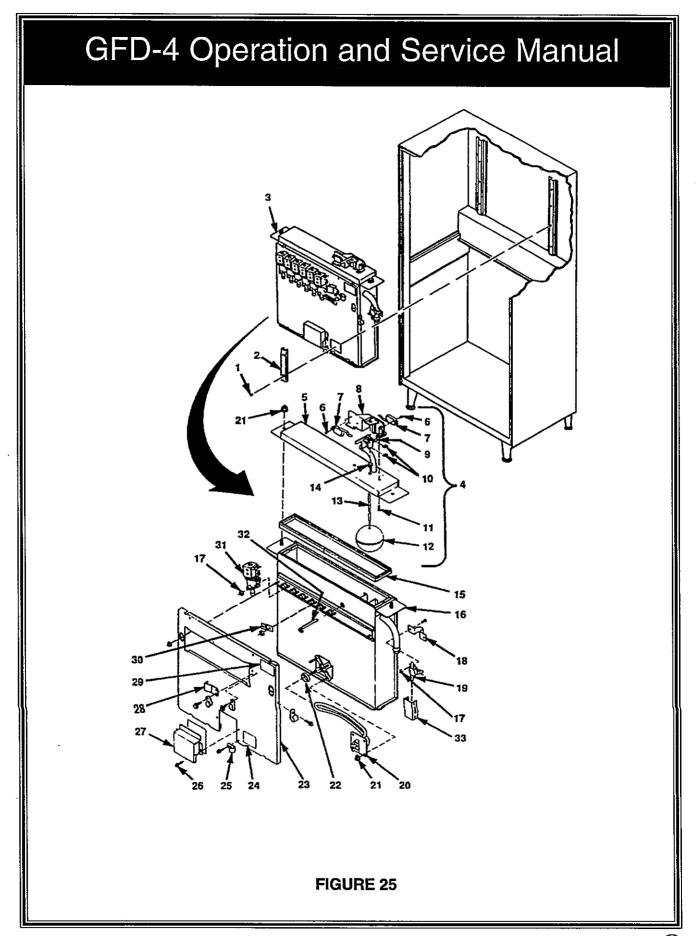


TABLE 25-1 VALVE ASSEMBLY, HOT WATER TANK

•				
l	INDEX	PART NUMBER	DESCRIPTION	QTY.
l	•	6238170	VALVE ASSEMBLY, HOT WATER TANK	REF
l	1	6238079	COIL AND FRAME ASSEMBLY	1
l	2	6238141	STEM ASSEMBLY - HOT WATER VALVE	1
l	3	6238085	SPRING - H. W. V.	1
l	4	6238121	PLUNGER - HOT WATER VALVE	1
l	5	3103029	WALDES TRUARC RING	1
l	6	6238040	DIAPHRAGM	1
l	7	6238073	BRACKET - VALVE MOUNTING	1
l	8	6238074	"O" RING48ID X .10	1
l	9	6238123	BODY - HOT WATER VALVE	1
l	10	6138288	SCREW - #6-32 X 1/2 SHWAD	4
l	11	6238143	SCREW METERING ASSEMBLY - H. W. V.	1
l	12	6154232	O RING239 x .07	1
l	13	6238103	ADJUSTER - HOT WATER VALVE	1
l	14	6238146	PLUG - ADJUSTER - HOT WATER VALVE	1
	15	6118110	TUBE - VALVE - BREWER	1
l	16	6238091	LABEL - HOT WATER VALVE	

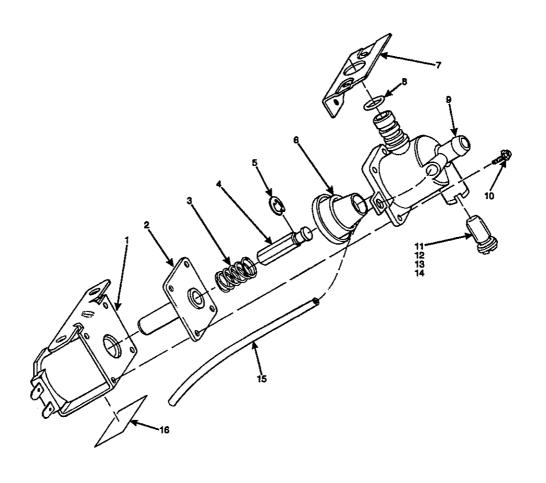


FIGURE 25-1

TABLE 26-A. MISCELLANEOUS MOUNTED PARTS - DOOR ASSEMBLY

1			BOOK ACCEMBEN	
l	<u>INDEX</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	QTY.
l	1	1172262	BUSHING - DOOR HINGE - UPPER	1
l	2	6232036	SCREW, 5/16 - 18 x .75 FLAT HD. SOCKET	2
	3	G6262009	HINGE ASSY - UPPER - "T" GRAY	1
l	4	3142138	HANGER - CUP STATION	1
ŀ	5	1451097	SCREW, #8-32 x .31 H.H. TF	1
	6	6262077	LIFT BRACKET - CUP STATION	1
l	7		MOUNTING HARDWARE	
ı	8	1211105	#1/4-20 KEPS NUT EXT LW ZIP	4
l	9	G6262011	HINGE ASSY - LOWER - "T" GRAY	1
ı	10	4242145	BEARING - THRUST - LOWER HINGE	1
ŀ	11	6232208	WELD SCREW - 1/4-20 x 1" LG	2
	12	NOT USED		_
	13	1451097	SCREW, #8-32 x .31 H.H. TF	2
	14	6231164	BRACKET - DOOR SUPPORT	1
	15	6262046	FILLER STRIP - SANITATION	1

TABLE 26-B. MISCELLANEOUS MOUNTED PARTS - CABINET ASSEMBLY

INDEX	PART NUMBER	<u>DESCRIPTION</u>	QTY.
1	6231510	INSULATION - BACK - HOT WATER TANK	1
2	6231073	LOCK ARM - CABINET	2
3	1141043	SCREW, #10-32 x .50 HEX HEAD	4
4	6231143	BRACKET - POWER PANEL RETAINER	1
5	1451097	SCREW, #8-32 x .31 HEX HD T.F BLACK	2
6	1471009	STOP - MONETARY PANEL	1
7	1451097	SCREW, #8-32 x .31 HEX HD T.F BLACK	3
8	6231138	WATER SHIELD	1
9	1451097	SCREW, #8-32 x .31 HEX HD T.F BLACK	2
10	6231033	BRACKET - CANISTER SUPPORT	1
11	1451097	SCREW, #8-32 x .31 HEX HD T.F BLACK	2
12	6231142	PLATE - WATER - FILTER	1
13	1451097	SCREW, #8-32 x .31 HEX HD T.F BLACK	2
14	6231118	BRACE - CANISTER SUPPORT	1
15	1451097	SCREW, #8-32 x .31 HEX HD T.F BLACK	2

Glasco™

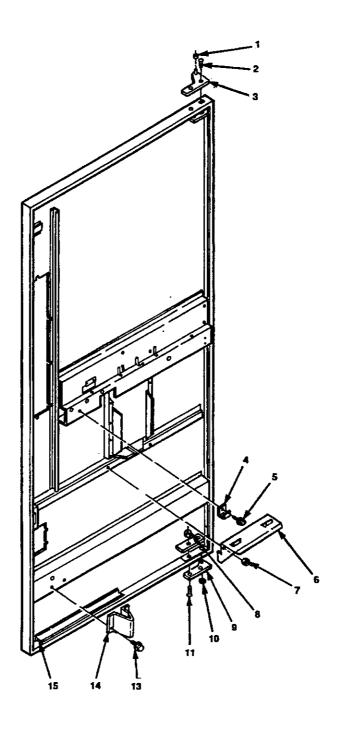


FIGURE 26-A

TABLE 27. MISCELLANEOUS LOOSE PARTS

<u>INDEX</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	QTY.
1	6201025	WASTE BUCKET	1
2	6231147	MONEY BOX ASSEMBLY	1
3	6118071	CARTRIDGE - WATER FILTER - EVERPURE QC4-H	1

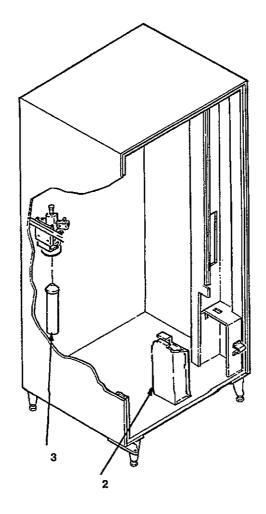




FIGURE 27

TABLE 28. POWER PANEL ASSEMBLY

. •				
INDEX	PART NUMBER	<u>DESCRIPTION</u>	QTY.	
1	6231091	POWER PANEL ASSEMBLY	1	
2	9989103	FILTER - INTERFERENCE	1	
3	6231140	POWER PANEL ASSEMBLY	1	
4	3157060	SCREW, #8-32 x .31 HEX W/HD SLOTTED	4	
5	4255087	TERMINAL BLOCK	1	
6	9900197	SCREW, #8-32 x 1/2 PHS	1	
7	9989013	TRANSFORMER ASSEMBLY - 26 V	1	
8	4071041	CIRCUIT BREAKER - 15 AMP	1	
9	9989426	CIRCUIT BREAKER - 1/2 AMP	1	
10	9989356	CIRCUIT BREAKER - 1 AMP	1	
11	9984616	SWITCH DPST - 20 AMP	1	
12	9900124	SCREW, #6-32 x 1/4 PHS	2	
13	6231186	LABEL - POWER CONTROL MOD	1	
14	6231194	LABEL - POWER PANEL	1	
15	3102491	CABLE CLAMP RICHCO #N8	2	
16	1451097	SCREW, #8-32 x .31 HEX HD. TF/BLACK	6	
17	6231217	SCREW, #8-32 x 1.500 HEX T/F	4	
18	9989021	TRANSFORMER - 24 VOLT	1	
19	1451133	8-32 x 1.25 HWS TAPTITE Z/B	4	
20	6239010	HARNESS - POWER TO COIN AND WHIP	1	
21	6231071	COVER - POWER PANEL	1	
22	6239019	HARNESS - POWER	1	
23	6236018	PCB ASSEMBLY - POWER SUPPLY	1	
24	1471199	8-18 x 1/2 PHS TYPE B ZP	4	
25	9989329	PLASTIC EXPANSION NUT .250 SPACER	4	
26	1471100	POWER SUPPLY - INT. TO	1	
27	2221049	WIRE CLAMP .302 DIA	1	
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 7 18 19 20 21 22 23 24 25 26	1 6231091 2 9989103 3 6231140 4 3157060 5 4255087 6 9900197 7 9989013 8 4071041 9 9989426 10 9989356 11 9984616 12 9900124 13 6231186 14 6231194 15 3102491 16 1451097 17 6231217 18 9989021 19 1451133 20 6239010 21 6231071 22 6239019 23 6236018 24 1471199 25 9989329 26 1471100	1 6231091 POWER PANEL ASSEMBLY 2 9989103 FILTER - INTERFERENCE 3 6231140 POWER PANEL ASSEMBLY 4 3157060 SCREW, #8-32 x .31 HEX W/HD SLOTTED 5 4255087 TERMINAL BLOCK 6 9900197 SCREW, #8-32 x 1/2 PHS 7 9989013 TRANSFORMER ASSEMBLY - 26 V 8 4071041 CIRCUIT BREAKER - 15 AMP 9 9989426 CIRCUIT BREAKER - 1/2 AMP 10 9989356 CIRCUIT BREAKER - 1 AMP 11 9984616 SWITCH DPST - 20 AMP 12 9900124 SCREW, #6-32 x 1/4 PHS 13 6231186 LABEL - POWER CONTROL MOD 14 6231194 LABEL - POWER PANEL 15 3102491 CABLE CLAMP RICHCO #N8 16 1451097 SCREW, #8-32 x .31 HEX HD. TF/BLACK 17 6231217 SCREW, #8-32 x 1.500 HEX T/F 18 9989021 TRANSFORMER - 24 VOLT 19 1451133 8-32 x 1.25 HWS TAPTITE Z/B 20 6239010 HARNESS - POWER TO COIN AND WHIP 21 6231071 COVER - POWER PANEL 22 6239019 HARNESS - POWER 23 6236018 PCB ASSEMBLY - POWER SUPPLY 24 1471199 8-18 x 1/2 PHS TYPE B ZP 25 9989329 PLASTIC EXPANSION NUT .250 SPACER 26 1471100 POWER SUPPLY - INT. TO	

GFD-4 Operation and Service Manual ----- 14 (ON FAR SIDE) FIGURE 28