AUTOMATIC "C" SERIES

instruction manual for

AUTOMATIC "C" SERIES COFFEE



Part #460464 Form 3/91

_table of contents

WARRANTY	
UNPACKING	2
NSTALLATION	2-10
PARTS LIST	
Door Assembly	11-12
Door Assembly	13-14
Main Cabinet Assembly	15-16
Main Cabinet Assembly	17-18
Main Cabinet Assembly	19-20
Hot Water Tank Assembly	21-22
Cup Drop Assembly	23-24
Coffee Hopper Assembly - Single	25-26
Coffee Hopper Assembly - Dual	27-28
Canister Rack Assembly	29-30
Commodity Canister Assembly	
Blower Assembly	33-34
Main Power Junction Box	35-36
Coffee Brewer Assembly	
Overflow Switch Assembly	
Electrical Harness	
Labels	49

charge to our customers www.automaticproducts.com

WARRANTY

The Automatic Products Company warrants this vendor, manufactured by it, to be free from defects in material or workmanship under normal use. Our obligation under this warranty is to the original purchaser only and is limited to making good at our factory any part or parts thereof which shall, within two (2) years after delivery of such product to the original purchaser, be returned to us or to our authorized dealer or distributor from whom purchased with all transportation charges prepaid to our factory, and which our examination shall disclose to our satisfaction to have been defective.

This warranty does not extend: 1: To any of our products which have been subjected to misuse, neglect, accident, incorrect wiring, improper installation, or to use in violation of instructions furnished by us; 2: To units which have been repaired or altered outside of our factory; 3: To cases where the serial number of the product has been removed, defaced or changed; 4: To electrical components, lamps, tubes or circuit breakers; 5: To accessories not of our own manufacture used with our products. Any part manufactured by Automatic Products Company, found by us to be defective within the

warranty period will be exchanged by Automatic Products Company or their authorized dealer or distributor without charge to the owner.

This warranty applied only to our products which are used within the United States of America, and is in lieu of all warranties expressed or implied, including, but not limited to implied warranties of merchantibility or fitness for a particular purpose, and no representative or person is authorized to assume for us any other liability in connection with the sale of our products.

The Automatic Products Company reserves the right to make any changes or improvements in its products without notice and without obligation, and without being required to make corresponding changes or improvements in products theretofore manufactured or sold.

AUTOMATIC PRODUCTS COMPANY 75 West Plato Boulevard St. Paul, Minnesota 55107

The "C" Series vending machines have been designed from superior engineering and quality throughout for the small-site market. The modular units will complement nearly any company's break area. The complete system takes less than 21 square feet of space.

It is recommended that this service manual be thoroughly read and instructions followed pertaining to all loading; servicing, parts etc. to achieve the most economical trouble-free operation of the "C" series vendor. (For indoor use only).

Should you have questions pertaining to this manual or the vendor, please contact your local Automatic Products Company distributor or write directly to:

Service Manager
Automatic Products Company
75 West Plato Boulevard
St. Paul, Minnesota 55107

The Coffee machine is assembled and packed so that a minimum amount of time is necessary for preparation to install it on location.

- SHIPPING DAMAGE: Thoroughly inspect the exterior of the carton for damages which may have occured during shipment.
- 2. IF SHIPPING DAMAGE IS NOTICED, save the carton, notify the delivering carrier immediately and follow their instructions on how to file a damage claim.
- 3. REMOVE BOTH SHIPPING BANDS and lift off the carton. Remove all packing tape from the various areas of the machine.
- 4. WARRANTY: The warranty card, located in the service envelope, must be filled out in full and mailed at once to insure coverage.

PLEASE FOLLOW IN SEQUENCE EACH STEP TO INSURE SAFETY TO BOTH EQUIPMENT & PERSON

installation

1. LEVELING THE MACHINE on location is important for the proper function of the machine. The four leg levelers are used to level the machine.

This machine is designed as a counter top vendor. For safety purposes the vendor should always be attached to the counter or placed and attached to the base cabinet that is built by Automatic Products Company. Hardware and instructions are provided within each cabinet.

After positioning the machine on the base cabinet or table top, level the machine in front and rear and right to left directions.

If a base cabinet is not being used the person installing the vendor should mount the vendor to the counter to secure it. Hardware is provided with each machine along with a sanitation rubber seal and instructions.

2. WATER SYSTEM

The installation site must have a drinking water supply line that can be coupled permanently to the vendor. The water line should be one-half inch diameter minimum and be equipped with a manual shut-off valve no more than six feet from the vendor. Water pressure should be 5 psi minimum to 90 psi maximum. If water pressure circuit grown on the line.

Install the water filter if it is provided. (optional equipment).

Connect the vendor to the water supply using 3/8 inch O.D. soft copper tubing to allow one complete coil approximately three feet in diameter between the water supply line and vendor to allow movement of the vendor for cleaning and to reduce noise due to water pressure surges. Turn water on to the machine and check for water leaks.

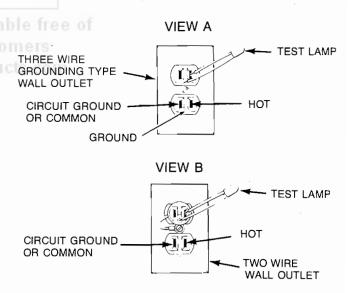
3. MAIN POWER CORD

An electrical outlet is needed and must be rated 120 volts, 60 Hz, single phase and capable of delivering 15 amperes within six feet of the vendor. Plug the 3 pin grounded main power cord which is taped in the back of the coffee machine into a properly grounded outlet.

In order to comply with electrical safety regulations and Underwriters Laboratories requirements, all electrical equipment must be properly polarized and grounded. The machine is wired so that it is properly polarized in accordance with the electrical code. If the wall outlet is wired and grounded properly, then the vendor will connect properly.

Shown in View A & B are two properly grounded and polarized wall outlets. One is a three wire grounding type wall outlet (see View A) and one is a two wire wall outlet (see View B) with an adapter in place. To make a polarity check use a 115 volt neon test lamp as shown or a volt ohm meter. The hot side of the circuit should always be counterclockwise from the ground terminal (which should be at the bottom).

Should the polarity at the wall outlet show any way other than that shown below, the outlet should be rewired.



4. SLAVE COFFEE

If the coffee machine is a "slave" unit (contains no changer or selection buttons of its own) a harness provided in this machine will have to be added into the snack machine. This harness will plug into the top right corner of the logic board (J7) in the snack machine and extends to the back of the snack cabinet for the slave coffee machine hook-up.

5. PRICE & SELECTION LABELS

A sheet of price tabs are located in the service envelope. The cup dispenser mechanism will have to be removed for installation of the labels. The selections labels are already installed in each selection button assembly. Installing price tabs or changing selection labels, the cup dispensing mechanism (optional) will have to be removed.

6. LOADING

The coffee machines will vary on the "optional" canisters. Fill each canister with the proper product.

The cup drop dispenser is also an option. Open the cup dispenser door and load it with 7 oz. cups filling the middle section of the cup dispenser first. Load the right and left stacks following the decal instructions.

7. CHANGER

The "C" Series Free Standing Coffee Machine will need a changer. Use only those changers specified on the label where the changer will be mounted. The changer should be mounted on the door below the upper coin chute assembly on the three shoulder rivets and secured with the screw that is provided.

8. PRICE SETTING

Turn power onto the machine by using the cheat power operate condition. interlock tool used in export machines only or by pulling the door interlock switch out, Page 35 Item 3. To set up prices in the machine you will have to first press the service mode button once on the control board, (See Figure 1) and use the selection panel buttons for programming.

- A. Press the selection letter (D) and the number (1). The price for that selection will be lit on the control board.
- B. To increase that selection price press #8. The L.E.D. will then increase in increments of (\$.05).
- C. To decrease that selection price press #7. The L.E.D. will then decrease in increments of (\$.05).
- D. To increase that selection price press #8. The L.E.D. will then increase in increments of (1). Export
- E. To decrease that selection price press #7. The L.E.D. will then decrease in increments of (1). Export only.

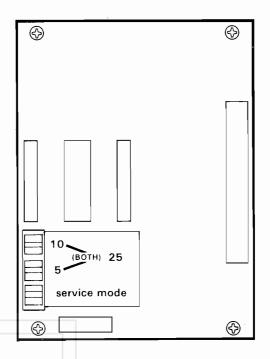


Figure 1. MODE SWITCHES

- F. To increase that selection price press #6. The L.E.D. will then increase in increments of (10). Export only.
- G. To decrease that selection price press #5. The L.E.D. will then decrease in increments of (10). Export only.
- H. After pricing the selections press the mode switch on the control board a second time to return the machine to the operate condition. NOTE: after a 20-30 second delay it will automatically go into the

9. PRICE CHECKING

Price checking is done through the selection panel in conjunction with the mode switch button on the control board. The L.E.D. on the selection panel will always display a ".00" credit.

A. To check prices for each selection simply press the selection letter (which will appear on the L.E.D. panel) and then press the number. The price for this selection will also appear on the display.

10. PROGRAMMING — START & DURATION TIMES

To program or change the start & duration times you will have to use the #1, #2, #3 selection buttons. First, push the service mode switch on the control board. (See Figure 1). Then push selection #1 and channel "0" will show up on the L.E.D. display. Press the selection #2 and the start time of 25.0 for channel "0" will show up on the L.E.D. display. This start time indicates when the designated channel begins functioning. The start time is rarely changed. (If necessary, the start time may be changed using selection #7 to go down or selection #8 to go up). Press the selection #3 and the duration time of channel "0" will show up on the L.E.D. display (.1). Duration times are frequently changed due to the fact variations of gram throws of product may vary as in cream, sugar, etc. Duration time can be changed using #7 to increase or #8 to decrease time. Continue to set all the channels accordingly to the specific charts sent with each machine.

11. WATER TANK - HEATER THERMOSTAT

The water tank contains an adjustable heater thermostat Page #21, Item #33, which by turning an adjustable screw, can increase (turn to the right) or decrease (turn to the left) the temperature. The normal setting should be approximately 195 degrees.

12. CARAFE SWITCH

Each coffee machine has a carafe switch which is located on the door to the left of the cup station door. This carafe switch when used will enable the machine to vend more than one cup. Turning the key to its horizontal position will disable the light sensors, cup drop mechanism, and put the machine on a "free vend" condition. Insert a coffee pot or jug into the cup station and select desired amount of cups by pressing the selection button. NOTE: make sure the coffee pot or jug will hold the right amount of cups selected.

Turning the key back to the vertical position while dispensing coffee will stop at the completion of that vend cycle. (If another pot or jug is to be filled the key must be turned on and the desired amount of cups selected again). The machine now will be back in the normal vend operation where money must be inserted.

13 LIGHT SENSORS & CUP INDICATOR LIGHT

When a selection is made the red indicator light on the cup well trim will light until either a cup is dropped or placed in the cup well. When a cup is in position it will break the beam from the sensors, and the red indicator light will then go out. The machine will not start a vend cycle unless the sensor beam is broken. (NOTE: Use of the carafe switch will disable the sensors).

14. COMMODITY

Containers for the dry product required to make the beverages which the hot beverages machine dispenses are all made of rugged translucent plastic. They are designed to dispense products on a first in - first out basis in order to insure a fresh product at all times.

The augering system used to dispense the products runs in reinforced nylon bearings to assure long trouble-free life. The dispensing end of the canister may have a louvered spout. These louvers control the

accuracy of discharge so that proper mixing is assured for each drink.

The translucent materials permit the service person to estimate the contents of the canister without having to open the canister. Commodity levels may be marked on the outside of the canister so that the service person can easily refill them to a predetermined level. This type of control will reduce the product waste and assure commodity freshness by the elimination of overfilling.

15. THE STEAM EXHAUST CONTROL SYSTEM

Steam from the hot water needed to make the beverages is controlled by this system. Uncontrolled steam in a vending machine will create severe problems through caking and hardening of the dry products. Such a condition will prevent proper dispensing.

By moving low velocity air, in high volume through the areas where steam is generated, the steam is removed before it can reach the dry product dispensers. The air is moved by a squirrel cage blower, and discharges outside the machine cabinet.

The steam is generated whenever the machine is activated to dispense a beverage. The hot water used to make coffee passes through the main trough as the dry products are dropped. Immediately adjacent to the trough is a vacuum duct which is connected to the blower by a reinforced plastic duct. Directly over the trough is the steam deflector and commodity chute. Lightener and sugar products are dropped into the moving liquid in the trough directly from their respective canisters. The design of this deflector is such that a constant stream of dry air is pulled down through the commodity chutes of the deflector and actually helps delivery of the product to the water. At the same time this deflector effectively prevents the steam vapor from rising in the area of the commodity canister outlets.

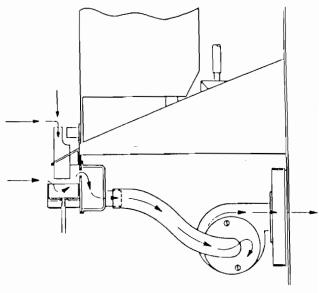
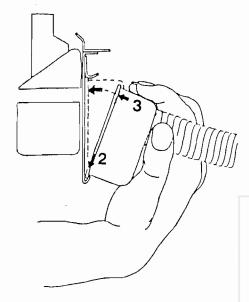


Figure 2. EXHAUST FLOW

STEAM EXHAUST FLOW - See Figure 2

These parts, the trough, the steam deflector, the vacuum duct, its channel to the blower, are all easily removed for cleaning. Cleaning is easily accomplished by rinsing in hot water. The trough itself, which carries the beverages, should be sanitized according to the current industry practices.



- To remove the steam exhaust duct, pull the top down away from the front plate of the canister rack and lift from the bottom flange.
- To install the steam exhaust duct place the bottom lip of the duct on the bottom flange of the canister rack, behind the front plate.
- 3. Rotate the top of the exhaust duct toward the back of the front plate of the rack until it snaps securely in place.
- 4. Looking at the front of the rack, slide the duct left or right until the slots in the front plate properly line up with the ends of the exhaust duct.

16. THE HUMIDITY BAR (Domestic Only)

The humidity bar is a vital part of the commodity system. It is electrically heated and by providing a slightly higher temperature at the canister outlet ports will prevent moisture from being absorbed by the dry products, in areas where high humidity is present. If the machine is operated in a humid atmosphere without the humidity bar in operation, it is likely that the dry products will cake and not dispense properly.

The tabs on the humidity bar fit into their respective slots in the commodity rack between the canisters. The humidity bar plugs into a harness on the left side of the cabinet.

17. CHOCOLATE AND SOUP HOMOGENIZER

The chocolate beverage is made more attractive and

palatable to the user by whipping it as it is delivered. There is a seperate mixing system for chocolate. It does not pass through the same mixing system as coffee or the other beverages. As soon as the water for chocolate is released the whipper motor, which runs at high speed, starts. The chocolate/soup powder is dropped from its canister directly into the water in the homogenizer and then to the cup.

The homogenizer parts are all of a food approved plastic material, highly resistant to mechanical damage. They are easily removed, without tools, for sanitization. The assembly is held together by spring clips located on the front of motor assembly.

18. THE CANISTER RACK

The support for the entire dry product commodity system is of open construction design, with a minimum of horizontal surfaces to catch dust and spillage. The motors which drive the canister augers are all located behind and under the steel cover. Each motor may be removed, if necessary, by loosening four screws and lifting it out. Water tubes, to direct the water to the trough and homogenizer are stainless steel and permanently attached to assure proper alignment.

19. WATER SYSTEM

The water system is a time proven open gravity system used successfully for many years. The temperature control will maintain the water temperature at a near boiling point (205° max setting).

20. WATER INTAKE SYSTEM

There are two possible configurations in the intake system. The standard method is a straight tube with a shut-off valve between the inlet fitting and the water inlet valve. The optional method provides for a water filter to be installed as a part of the original equipment. The filter housing includes the shut-off valve.

The water inlet valve provides a sure method for controling the intake of water into the water tank. This valve also functions as a safety overflow valve. If the safety overflow switch for the liquid waste is open the valve will not allow water into the water tank.

21. THE WATER TANK - See Figure 3

The water tank is constructed of stainless steel and holds approximately five gallons of water. It has a removable lid that is sealed at the top of the tank with a gasket. The tank has one 1200 Watt heater that is on a priority system controlled by the thermostat mounted on the base of the tank.

22. THE THERMOSTATIC CONTROL SYSTEM

Coffee extraction requires hot water as close to boiling as possible. The thermostatic control system has

been time proven as a very dependable, yet simple control method.

23. LOW WATER CONTROL

The low water switch (heater safety) is connected in series with the thermostats. If a low water level condition occurs the float switch will depress the arm of the low water switch and prevents the heaters from turning on.

24. WATER OUTLET SYSTEM

Four valves comprise the water outlet system. They are: the Coffee Water Outlet Valve, the Chocolate Water Outlet Valve, the Tea Water Outlet Valve, and the Soup Water Outlet Valve. Each of these valves will release water into its particular segment of the commodity troughs, depending on the beverage selected.

25. THE COFFEE WATER OUTLET VALVE

This valve is mounted on the face of the water tank directly behind the brewer. The valve outlet in the tank is contained within the stainless steel tank. This valve is operated by channel 3 of program setting and the switch assembly mounted on the brewer.

26. TEA, SOUP AND CHOCOLATE VALVES

These valves are mounted on the left hand side of the water tank. One, two, or three valves are provided because each beverage may require a different amount of water to brew the beverage properly, and each beverage is made and released from the machine through its own channel to avoid taste contamination. Each valve is controlled by a separate time channel on the control board. Each of these valves is connected to the commodity rack by a flexible tube.

27. RINSE HOSE

A convenience feature is the rinse hose. This is provided for maintaining proper machine sanitation. It is long enough to reach each part of the machine which will normally require cleaning. To avoid any possibility of this hose leaking, a storage bracket has been provided, which holds the outlet of the hose above the normal water level in the tank.

28. OVERFLOW

Mounted on the upper left hand side of the water tank is the overflow fitting. Should the water level in the tank rise too high, regardless of the reason, the excess will run out of the fitting, through the overflow tubing and directly to the liquid waste bucket.

29. OVERFLOW SAFETY BOX

If the overflow condition continues the level in the waste pail will rise and eventually raise the float of the safety overflow switch shutting the water inlet valves and placing the machine on a "soldout" status. When on "sold out" any coins inserted will be returned.

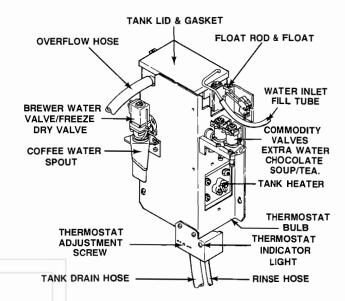


Figure 3. WATER TANK

installation

30. THE BREWER

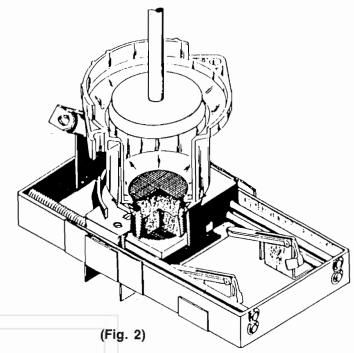
The heart of the A.P. hot drink machine is the open cylinder brewer. It has been "time proven" and "experience improved". It is simple, lightweight, easy to clean and easy to service.

HOW THE BREWER WORKS

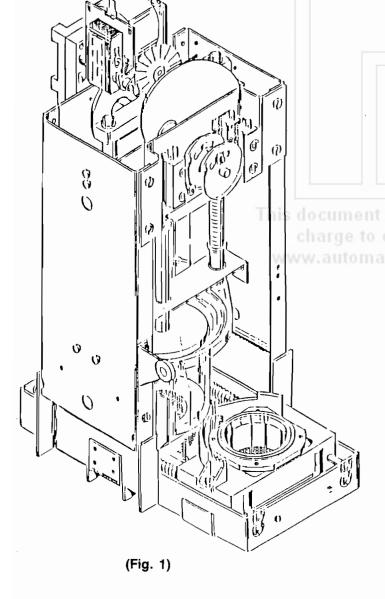
The word "front" used in this description refers to the part of the brewer nearest the observer, standing before the open cabinet.

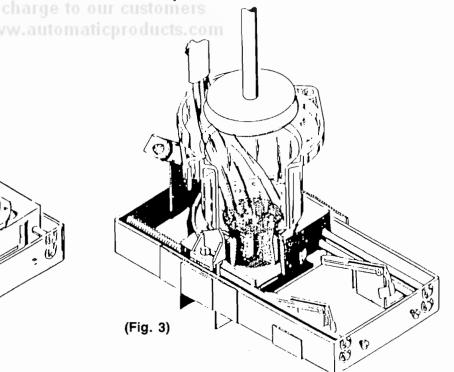
The brewer may be adjusted to stop at any point in the cycle, but the ready-to vend position we recommend are as follows: See Figure 1.

The brewer is stopped with the carriage and brew chamber just in front of the brewer assembly. When the coffee canister assembly is closed, the coffee chute should be directly above the grounds brew chamber.

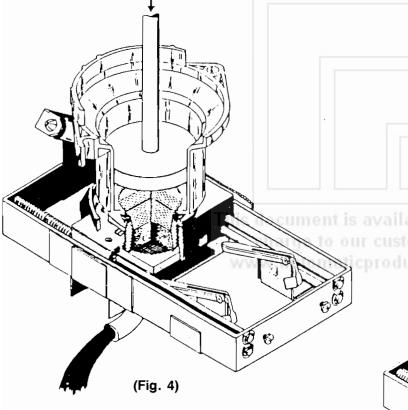


When coffee has been selected and button is pressed and cup has dropped, the coffee grounds will dump immediately into grounds chamber. Approximately 2 seconds later the grounds chamber carriage will go back under brew cylinder and brew cylinder will seat itself on the grounds chamber (Figure 2). The cylinder is held against the brew chamber seal by the springs on the cylinder support rods. Water should start about 1 second later into the cylinder (figure 3). [Note: Water amount is adjusted by 1.) Timing of brewer and water channel in program setting on control board on door or 2.) opening of front cam switch located at top of brewer.]

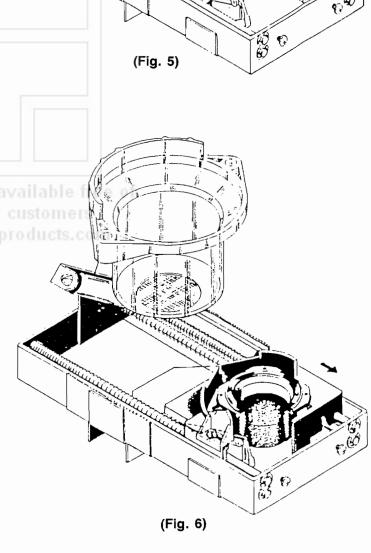




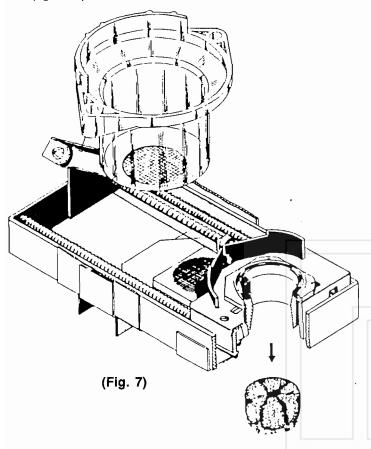
The water flows into the cylinder, down through the stainless steel screen, and into the coffee-filled brew chamber (Fig. 4). The screen in the bottom of the cylinder prevents the coffee grounds from floating up into the cylinder. As the cycle continues, the piston is moved down into the cylinder by a cam on the main shaft. As the piston moves into the cylinder, the cylinder springs are compressed continuously farther, increasing the pressure of the cylinder on the brew chamber seal. Air, trapped between the piston and the water in the cylinder, is quickly heated by the hot water and begins to expand. The downward motion of the piston, plus pressure of the expanding air, forces the water through the coffee grounds in the brew chamber and out into the delivery funnel. The heated, compressed air follows the water through the grounds, forcing the remaining water through the grounds.



The slack or looseness is taken out of the cable, and the piston and cylinder are raised far enough to allow the brew carriage to pass under the cylinder (Fig. 5). The cable is then unwound, controlling the forward motion of the brew carriage, which is moved forward by the carriage springs. As the brew carriage passes over the two white pawls in the base assembly, the ears on the brew chamber lift the brew chamber upward against the springs which secure it to the carriage (Fig. 6).



After the grounds are expelled (figure 7), the cable begins to retract the brew carriage to the original position with the brew grounds chamber directly under the stainless chute on the coffee canister assembly (figure 8).



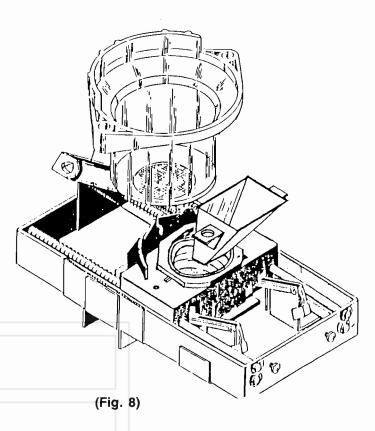
31. BREWER ADJUSTMENTS

The brewer has three principle adjustments: They are,
1) the cut off, or stopping position; 2) the water starting point and quantity per brew; 3) the cable adjustment. The upper front channel of the brewer has a shaft projecting forward which holds the cam assemblies. Each of these cams has a switch associated with it. The switch nearest the channel controls the cut-off point of the brewer. The outer switch regulates the starting point and the amount of water released for brewing each cup.

Each cam assembly has two sections. The main section is attached to a hub containing set screws, which is secured to the shaft. The adjustable section rotates around the hub and is secured to the main section by a hex-head slotted screw. The cams are cut so that it is possible to change the low section from full closed to open about 180°.

32.THE CUT OFF CAM

This is the cam which determines the stopping point of the brewer. It is adjusted so that the roller of its switch drops into the valley at the precise point the brewer is to stop. The adjustable section of the cam is set so that it will raise the switch roller after the brew



motor has turned the shaft several degrees. The brewer motor is started by a starting voltage controlled by channel 0 (Brew Motor - Start Time) and runs on this voltage until the cut off switch is closed by the high side of the cam which raises the roller of the switch. The brewer will continue to run on its switch until the roller drops into the valley of the cut off cam (approximately 25 seconds).

33. THE WATER CAM AND SWITCH

The front switch, mounted n the right hand side of the brewer front channel, in combination with the front cam, determines the starting point, along with channel 3, of the water dispensed into the cylinder, and also the amount of water dispensed to make a single cup of coffee. The cam should be adjusted so that the water switch roller drops into the valley of the cam, slightly before or precisely at the moment the cylinder clamps down on the brew chamber seal. The adjustable section of the cam should be set to release only the amount of water needed to brew one cup of coffee. This adjustable section of the cam should be set to release only the amount of water needed to brew one cup of coffee. This adjustment can best be made by actually brewing a cup of coffee and measuring the volume of the finished drink delivered into the cup. The water flow from the valve will be stopped as soon as the water switch roller is raised enough by the high portion of the cam to operate the switch. To increase the amount of water dispensed, the length of the cam's valley must be increased, so the brewer water valve is open for a longer time.

The voltage for starting the brewer motor and for the water switch is controlled by channel three (Brewer Motor & Water). The start time applies the voltage to start the motor and applies the voltage to the switch. The duration time allows how much water is dumped into the brew cylinder.

34. THE CARRIAGE CABLE ADJUSTMENT

The horizontal movement of the carriage is caused by the springs in the base assembly. The action of the springs is controlled by the brew carriage cable assembly. The cable is wrapped on an outer spool and is wound and unwound to move the carriage in synchronization, with the other movements of the brewer. The cable spool is controlled by the rear-most cam in the main cam shaft assembly. The configuration of the cam determines when the cable is reeled in and when it is payed out.

When the cylinder is down on the brew carriage the cable is slack. Just as the cylinder begins to rise the cable assembly tightens, to prevent the brew carriage from

jumping forward as the cylinder clears the carriage. As soon as the cylinder is high enough to clear the carriage, the cable is payed out and the carriage moves forward to dump its grounds. After the grounds have been dumped, the cable again winds on the outer spool and pulls the carriage back to the brewer stopping point (See Figure 8).

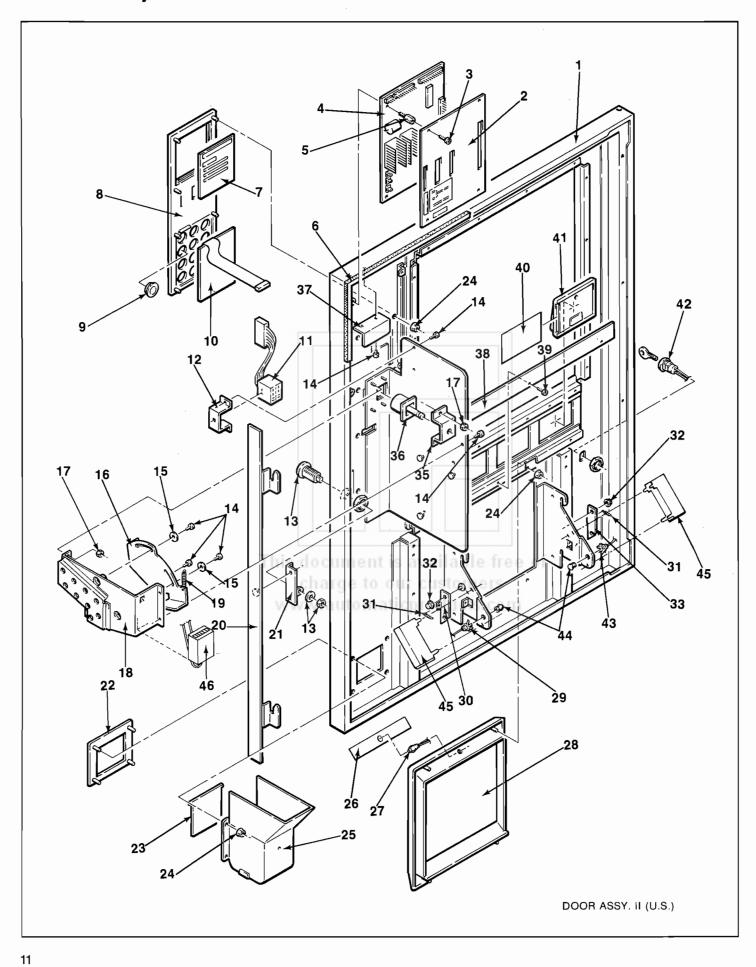
The cable is secured to the outer spool of the spool assembly with a cotter pin. The inner section or hub is secured to a shaft and gear assembly. The gear is rotated by a pivoting gear segment through the motion of a cam on the welded cam shaft assembly. The outside surface of the hub has teeth which will engage similar teeth on the inside circumference of the spool. When the two parts are assembled, they are secured by a screw and washer which prevents them from becoming disengaged.

The proper adjustment of the cable is as follows:

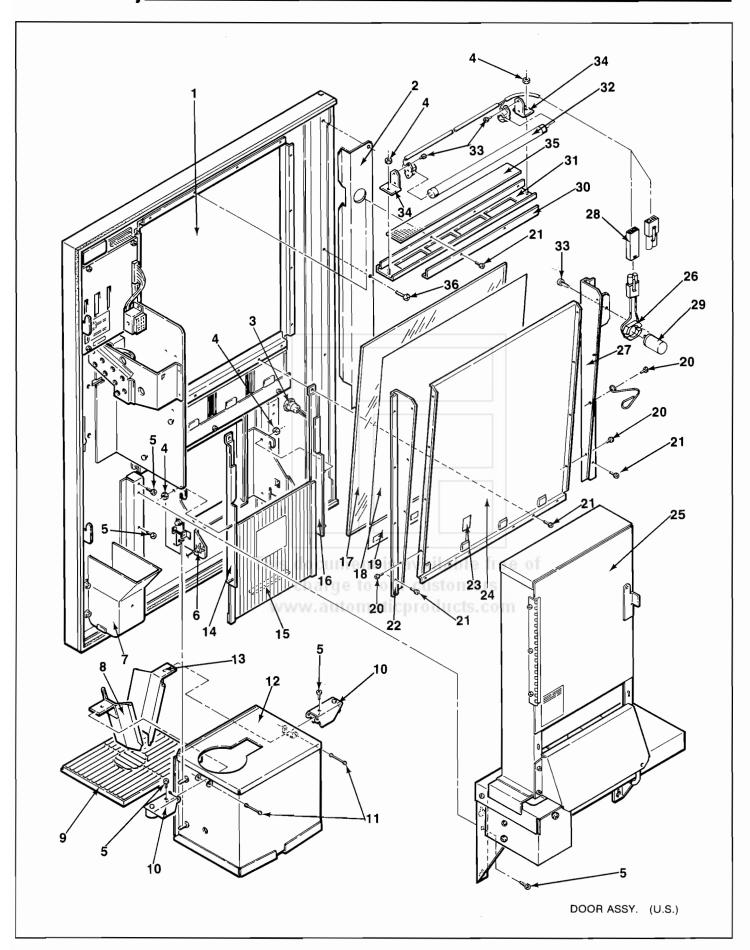
Cycle the brewer and as the brew carriage assembly is being pulled back by the cable, jog the brewer by using the toggle switch located on the main electrical box switch on top of brewer support brkt. noted as (cycle). When the cylinder starts down, the carriage will be slightly behind the cylinder. As the carriage moves forward, the bottom outside edge of the cylinder should be approximately 1/16" to 1/32" above the seal ring of the brew chamber. The cable should now be free and not restraining the carriage. The carriage is now being guided by the outside of the cylinder. The cycle will now continue and the cylinder will continue to move down contacting the seal of the brew chamber as the cable goes slack.

If adjustment is required it is suggested that a pencil mark be made across the two plastic parts of the cable spool assembly. Remove the screw and washer and rotate the outer spool one tooth at a time and recycle the brewer. When correct timing is obtained replace screw and washer.

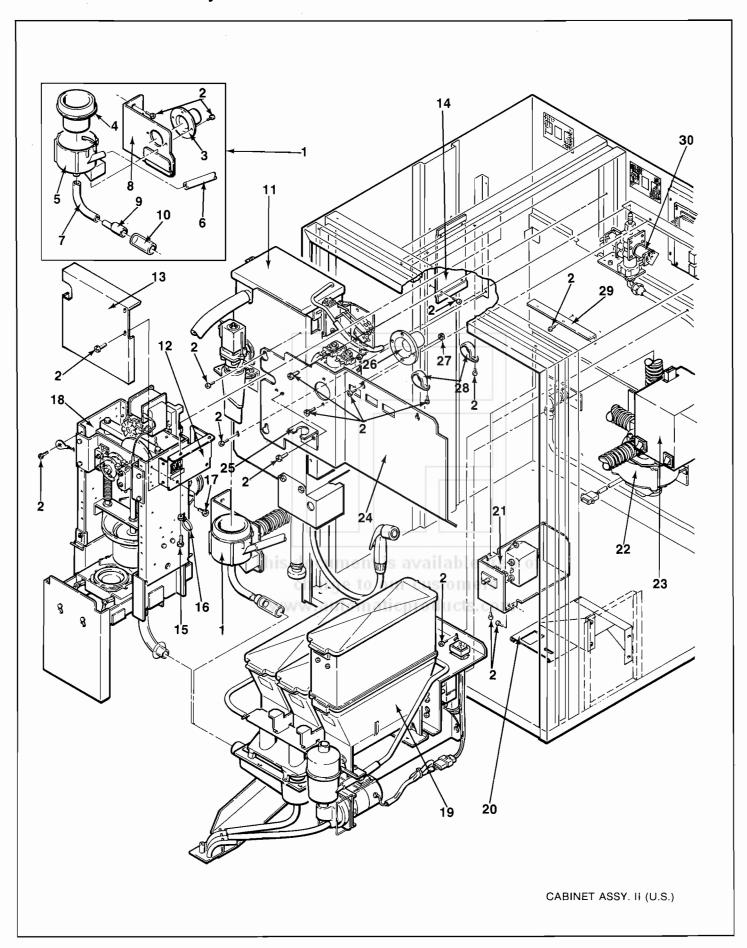
Operate the brewer through a full cycle and observe that (1) the cable goes slightly slack just before the cylinder contacts the brew chamber seal, and (2) the cable is not too slack that it will allow the brew carriage to stop under the outer edge of the cylinder preventing it from sealing properly.



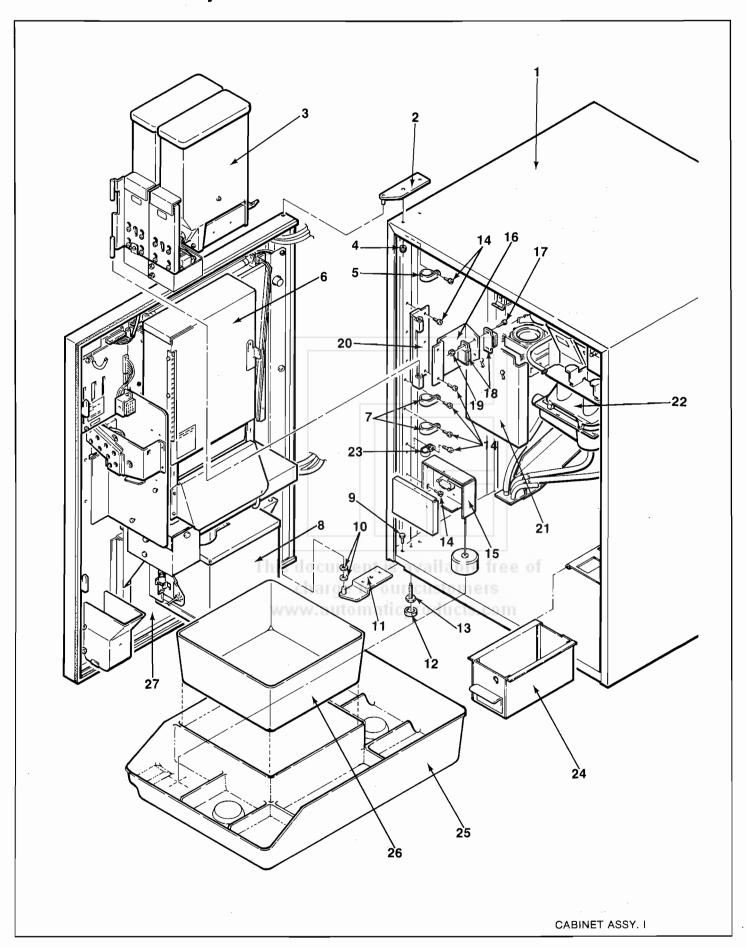
Item No.	Part No.	Description		Item No.	Part No.	Description
No. 1 2 3 4 5 6 7 8 9 10	600535 600535-1 201641 276-6R4 360124 300182 460041-1 440316 440291 440304 750130	Door Only. Coffee With A Changer. Specify Color. Door Only. Coffee Without A Changer. Specify Color. Control Board Cover. Screw Pan Hd. Phillips Self Tap (6-32 x 1/4). Control Board. Control Board Spacer. Adhesive Foam. Instruction Glass. Selector Trim Only. Selector Switch Panel With Plate.		No. 21 22 23 24 25 26 27 28 29 30 31 32 33	640173 440296 201156 18443 600474 460449 380267 440329 380268-2 33820 09023 420217 33820-1	Assembly, Lock Cam. Trim, Coin Cup. Door, Coin Cup. Palnut (1/4). Coin Cup. Cup Bezel Decal. Cup Needed Indicator Light. Cup Well Bezel. Cup Present Sensor. Photo. Cup Well Catch. Left Side. Spring, Cup Well. Fastner, Washer Cap. Cup Well Catch. Right Side.
11 12 13 14 15 16 17 18 19 20	680341 201636 420020 420020-1 420020-2 276-8R6 420010-9 201640 404-8 660374 400034 600572	Harness, Changer. Changer Socket Bracket. (US only). Door Lock w/2 Keys. Door Lock Only. Screw, Pan Hd. Phillips Self Tap (8-32 x 3/8). Washer. Rejector Lever. Hex Nut (8-32). Assembly Complete. Spring. Door Locking Bar.		35 36 37 38 39 40 41 42 43 44 45 46	201634 440289 201888 201873 200-6R6 660369-1 420243 420192-1 380268-1 380268 202134 680476	Coin Return Button Support. Coin Return Button. Door Switch Striker. Selector Button Retainer. Screw Rd. Hd. Phillips Type AB (6-32 x 3/8). See Page 49 For Individual Labels. Assembly Selector Button. Carafe Switch With Nut and Key. Key Only. Cup Present Sensor. (L.E.D.) Cup Present Sensor. (Lense). Cover, Cup Sensor. Optinal - Cash Counter
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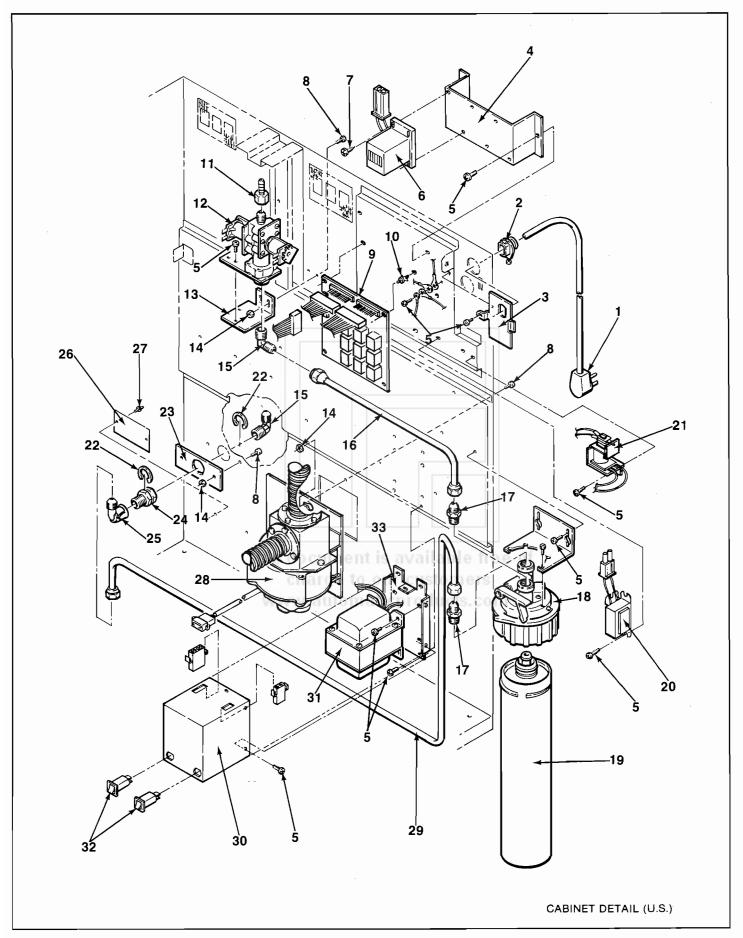
item No.	Part No.	Description		Item No.	Part No.	Description
	600535 600535-1 202045 420243 440192-1 404-8 276-8R6 380268 600474 600581 440337 640174 300200 660415-1 600582 600582-1 600581-1 640167 19290 640167-1 440324	See Page 11 For Additional Parts Door Only. Coffee With Changer. Specify Color. Door Only. Coffee Without Changer. Specify Color. Cover, Door Harness. Carafe Switch With Nut & Key. Key Only. Hex Nut (#8-32). Screw Pan Hd. Phillips #23 (8-32 x 3/8). Cup Present Sensor. Coin Cup. Cup Guide. Right Side. Cup Well Grill. Cup Guide Stop. Cup Guide Pin. Assembly Complete. Cup Well. Use With Cup Dispenser. Assembly, Complete. Cup Well. Use Without Cup Dispenser. Cup Well Only. Use With Cup Dispense Cup Well Only. Use Without Cup Dispenser. Cup Guide. Left Side. Cup Door Guide. Right Side. Cup Door Guide. Left Side. Picture Cover. Picture. Coffee. No Wording.	ava Ir cu	No. 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	440326-1 201-6R6 200-6R6 201839-2 460445 201838 201838 201838 380023-3 201843 640164 380022-3 440358 440359 276-4R7 201842 440327 210-8R6	Picture Price Strip. Free Standing With Changer. Screw Rd. Hd. Phillips Type B (6-32 x 3/8). Screw Rd. Hd. Phillips Type A (6-18 x 3/8). Price Holder. Right Side. Price Tabs (25¢ - \$1.00). Picture Holder. Back. Cup Station. Assembly Complete. See Page 23 For Itemized Parts. Starter Socket Harness. Assembly Picture Holder. Left Side. Harness, Light. Starter (FS-5). Lens Hold Down Bracket. Assembly Picture Holder. Top.
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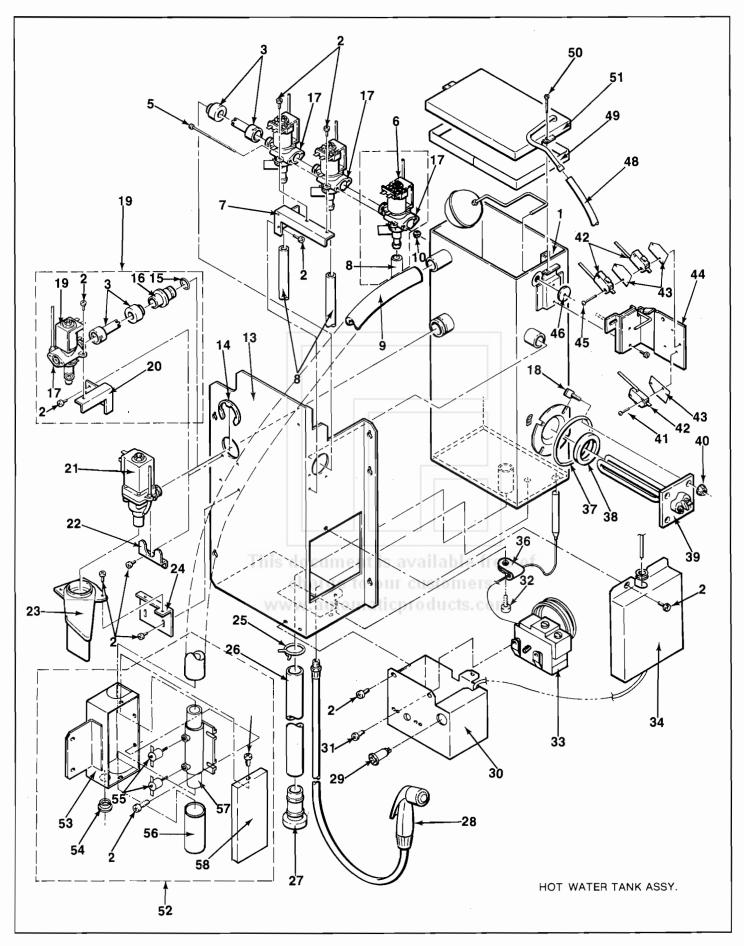
Item No.	Part No.	Description		Item No.	Part No.	Description
1 2 3 4 5 6	660397 276-8R6 32633 32632 32631 440221-10 420221	Assembly Complete. Freeze Dry Bowl & Bracket. Screw, Pan Hd. T23 Phillips (8-32 x 3/8). Adapter Vacuum Hose. Freeze Dry Mixing Bowl - Top Freeze Dry Mixing Bowl - Bottom Tubing. Brown. Sil. (5/16 x 12 5/8) Tubing. Order By Inches.		15 16 17 18 19 20 21	276-8R8 380078 277-10R8 600596	See Page 37 For Itemized Parts. See Page 29 For Itemized Parts. Cash Box Housing Supt. See Page 35 For Itemized Parts.
7 8 9 10 11 12 13	420221-14 420221 600558 32285 420219-1 201866 202034 201865	Tubing. Brown. Sil. (5/16 x 14"). Tubing. Order By Inches. Support Bracket. Freeze Dry Bowl. Adapter. Brewer Tube & Trough. Tubing Brewer to Trough. See Page 21 For Itemized Parts. Top Support. Brewer. Brewer Cover. Mounting Bracket. Brewer.		22 23 24 25 26 27 28 29 30	202040 27853 32633 404-8 420035-2 201960	See Page 33 For Itemized Parts. See Page 19 For Itemized Parts. Harness Cover. Hanger, Rinse Hose. Adapter, Vacuum Hose. Nut #8. Cable Clamp (1/2). Bracket Support. Water Tank. See Page 19 For Itemized Parts.
'-	201000	Mounting Bracket. Brewen				occ rage to renticemized rane.
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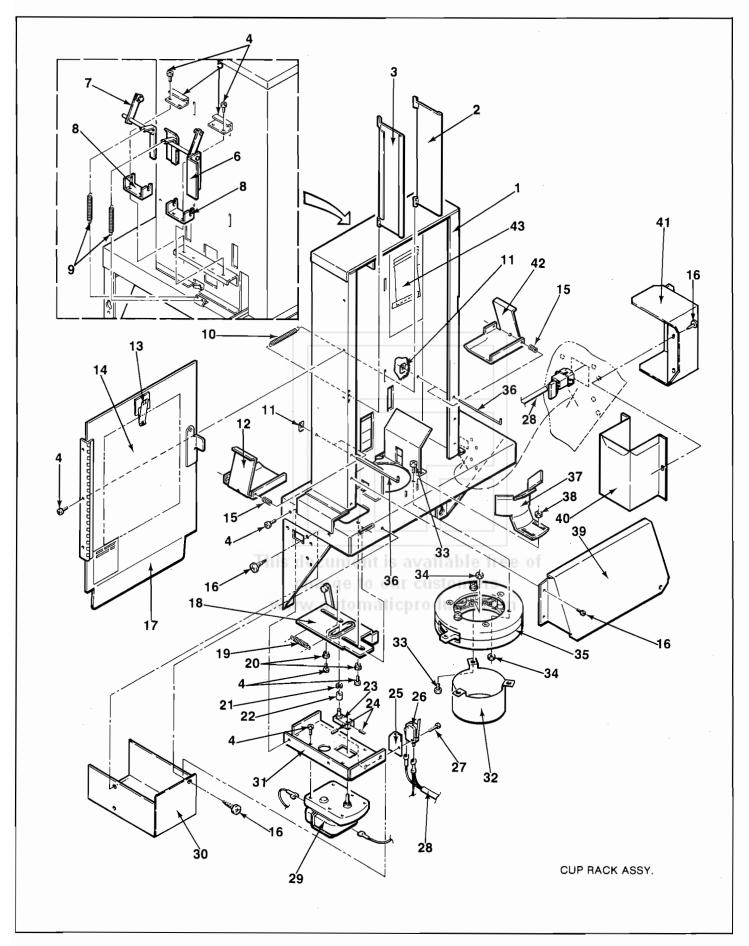
Item No.	Part No.	Description		Item No.	Part No.	Description
1	750131-3 750131-4	Export Only.		14 15 16	276-8R6 660392 201859	Screw, Pan Hd. Phillips (8-32 x 3/8). See Page 47 For Itemized Parts. Assembly, Complete. Magnetic Latch Bracket. Magnetic Mounting Bracket Only.
3 4	640141 438-41	Assembly Upper Hinge. See Page 27 For Itemized Parts. Nut Keps (1/4 x 20).	:	17 18	116-8R12 31356	Screw Pan Hd. Phillips (8-32 x 3/4). Magnet.
5 6 7	420035-5 420035	See Page 23 For Itemized Parts. Cable Clamp (5/8).		19 20 21	404-8 201858 201854	Hex Nut (8-32). Hinge Support Bracket-Coffee Canister Grounds Splash Guard.
8 9 10 11	114-41-8 420010-17 640160	See Page 13 For Itemized Parts. Screw Hex Hd. Mach. (1/4-20 x 1/2). Washer (9/16). Assembly Lower Cabinet Hinge.		22 23 24 25	420035-2 600598 440354	Cash Box. Tray - Overflow. New Style.
12 13	420177 300174	Leg Leveler Cap. Leg Leveler.		26 27	18245	Grounds Pan. See Page 11 For Itemized Parts.
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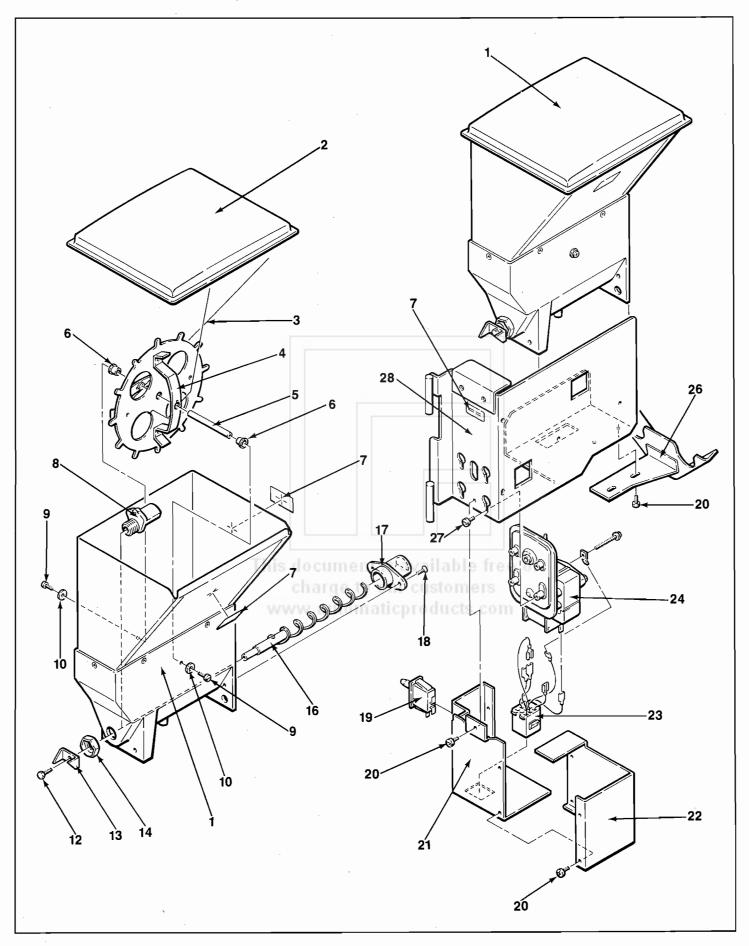
Item No.	Part No.	Description		Item No.	Part No.	Description
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	680439 380052-4 201958-2 201958-3 202048 276-8R6 680432 200-6R6 335-8R6 360141 420095 420190-1 660393 360146 201869 404-8 420196 420211 420194			18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	660399 23281 16991 680278-6 660425 750-93 26444 25886 420195 460447 420078-4 420213 660431 202047 360158 380241 202046	Vend Relay Assembly. Retaining Ring (15/16). Retainer, Water Inlet Fitting. Adapter - Altered. Elbow 90° Flare (3/8) x 3/8 NPT. Serial Plate.
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Item No.	Part No.	Description	Ite:		Part No.	Description
1	660428	Assembly Complete. Water Tank. For	22	2	201880	Brewer Water Valve Support Bracket.
		Freeze Dry.	23	3	660394	Assembly Complete. Coffee Valve Spout.
	660428-1	Assembly Complete. Water Tank. With			440332	Spout Only.
		Brewer. Domestic.	24	- 1	201868	Water Spout Support Bracket.
	660428-2		25		420229	Hose Clamp.
		Freeze Dry. With 2 Commodity Valves.	26	- 1	420220-1	Water Tank Drain Tubing. (30 inches).
		Export Only.	27		33553	Drain Plug.
	660428-3		28		14494	Faucet and Rinse Hose.
		Brewer. Export Only.	29	9	380096-3	Light (250 V). Export Only.
	660428-4			.	380096-1	Light (125 volt).
		Freeze Dry. With 3 Commodity Valves.	30		202037	Thermostat Mounting Bracket.
		Export Only.	31		276-6R4	Screw, Pan Hd. Phillips (6-32 x 1/4).
1	660428-5		32		276-8R4	Screw, Pan Hd. Phillips (8-32 x 1/4).
		Brewer. With 3 Commodity Valves.	33		380266	Temperature Control.
	000570	Export Only.	34		202038	Heater Cover.
	600579	Water Tank Only.	35		420135-4	Hole Grommet (3/8 x 5/8).
2	276-8R6	Screw, Pan Hd. Phillips (8-32 x 3/8).	36		420035-4 22414	Nylon Cable Clamp. "O" Ring.
3	32944	Inlet Nozzle. Commodity Valve.	38	_	22262	Heater Gasket.
5	106-6R84	Screw, Fl. Ph. Hd. (6-32 x 5 1/4). 3-Valve.	39		360148	Water Tank Heating Element. (120
	106 6D56		38	"	300146	volt).
	100-000	Screw, Fl. Ph. Hd. (6-32 x 3 1/2). 2-Valve.		4	360148-1	Water Tank Heating Element (240 V).
6	660408	Assembly Complete. 2 Valve Commodity.		\dashv	300140-1	Export Only.
"	660408-1	Assembly Complete. 2 Valve Commodity.	40	۱ ۱	420130-1	Serrated Flange Nut (1/4-20).
	660408-2		41	- 1	100-4R10	Screw, Rd. Hd. Phillips (4-40 x 5/8).
	750157	Kit, Commodity Valve Rebuild.	42	- 1	380272	Tank Fill Switch.
	360144	Commodity Valve Only.	43	- 1	360023	Switch Insulation.
7	201953	Commodity Valve Mounting Bracket.	44	- 1	600577	Float Switch Bracket and Retainer.
8	420221	Brown Tubing, Order Amount of Inches Needed.	45		100-4R16	Screw, Rd. Hd. Phillips (4-40 x 1).
9	420204-2		46		33015	Seal, Hot Water Tank - Float.
	420204-3	,	47		400160	Float Rod.
10	404-6		ava 48	3	420242-1	Tubing Valve to Water Tank (7 inches).
11	420231	Float 21/4 Dia. Stainless.	49	9	420205	Gasket, Hot Water Tank - Extrusion.
12	404C6	Hex Nut (6-32) Stainless.	50)	100-6R8	Screw, Rd. Hd. Phillips (6-32 x 1/2).
13	600580	Water Tank Jacket.	PT 51	Hd	600575	Assembly, Hot Water Tank Lid.
14	751-118X	Retaining Ring.	52	2	660440	Assembly Complete. Over Temp. Box.
15	33492	"O" Ring.		l		Export Only.
16	33129	Adapter, Commodity Valve.	53	3	600602	Over Temp. Box Only.
17	32943	Plug With "O" Ring.	54		420048-8	Snap Bushing 5/8 I.D.
18	420230	Weld Screw.	55		34438	Thermostat 150º Spst.
19	660409	Assembly Complete. Freeze Dry Water Valve.	56		420204-4	Tubing 5 1/2 Inch. Export Only.
	360144-1	Commodity Valve Only. Freeze Dry.	57		34678	Tube Mounting - Thermostat.
20	201954	Commodity Water Valve Freeze Dry	58	8	202067	Cover, Over Temp. Box.
		Support Bracket.		- 1		
21	360145	Brewer Valve.				
	750158	Kit, Brewer Valve Rebuild				
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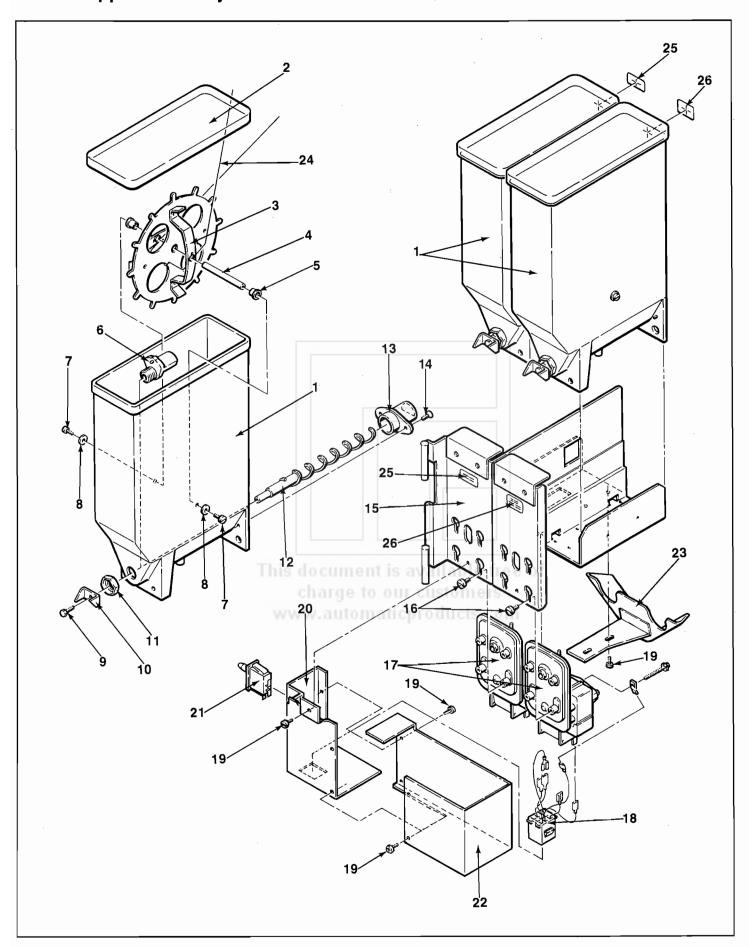


Item No.	Part No.	Description		Item No.	Part No.	Description
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	660401 660401-1 600592 201925-1 201925 276-8R6 201934 600564 600563 201929 400157 400158 420057-1 201924 420244 460483 400159 210-8R6 640175 640170 400156 300198 751-18	Assembly Complete. Cup Drop Station. Assembly Complete. Cup Drop Station. Export Only. Cup Chassis & Housing Only. Cup Divider. Right Side. Cup Divider. Left Side. Screw, #8-32 x 3/8. Pan Hd. Phillips #23. Cup Shift Retainer. Assembly Cup Index Feeler. Left Side. Assembly Cup Index Feeler. Right Side. Support Bracket. Cup Shift. Spring-Cup Index. Cup Divider Spring. Tinnelman Speed Nut. Cup Support. Left Side. Display Clip. Service Envelope. Decal. Price/Program Setting Compression Spring - Cup Support. Scr. Truss Hd. Type A (#8 x 3/8). Assembly Door Complete. Assembly, Drive Slide (Includes Item #20). Spring, Support Arm. Drive Slide Bushing. Ring, Retaining #(3/16).		22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	300192 640169 140-8A3 360023 360150 276-4R10 680423 360149 202015 201923 23752 117-10R8 405-10 660407 660407-1 400155 201926 404-8 202001 202014 202044 201924-1 460461	Cup Drop Harness. Cup Drop Motor. Cover, Cup Drop Motor. Motor Mounting Bracket. Chute Cup, Anti-Theft.
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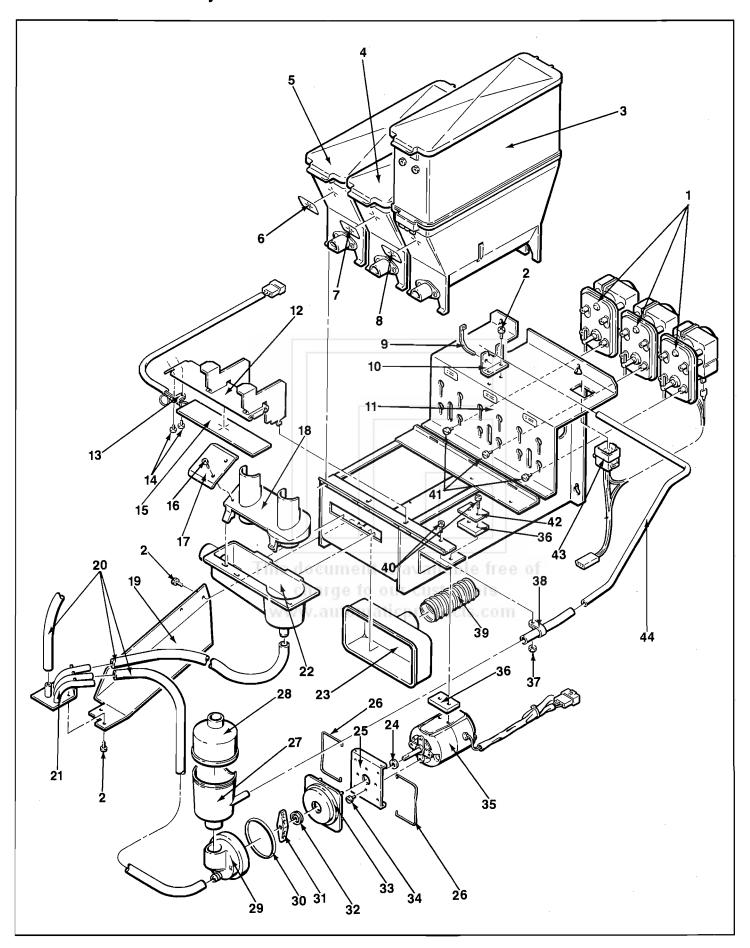
_coffee hopper assembly - single

Item No.	Part No.	Description		Item No.	Part No.	Description
1 2 3 4 5 6 7 8 9 10 12 13 14	660412 660411 201914 28143 640172 14419 14017 16058-11 15556-6 33079-2 14012 116-6R6 600-6 25970 25969 420136-1	Assembly Complete. Coffee Canister Only (Single). Canister Only (Single). Coffee Hopper Cover. Coffee Hopper Agitator. Assembly Complete. Commodity Wheel. Commodity Wheel Only. Wheel Axle. Nyliner. Label, Canister. Reg. Coffee (US). Label, Canister. Reg. Coffee (Export). Rear Bearing. Screw, Pan Hd. Phillips (6-32 x 3/8). Washer Auger Driver Screw. Auger Driver. Pal Nut (5/8 -11).		16 17 18 19 20 21 22 23 24 26 27 28	14023 14011 203-6R6 380279 276-8R6 202031 202030 680424 660403 600547 116-8R4 600550 660413-2	Assembly, Auger and Shaft. Canister Spout. Screw, Flat Hd. Type B (6-18 x 3/8). Switch, Operate. Screw, Pan Hd. Phillips (8-32 x 3/8). Plug & Switch Bracket. Motor Cover. Single Hopper. Harness, Coffee Hopper (Single). Assembly Complete. Motor With Roll Pin & Screws (170 rpm). Coffee Chute. Screw, Pan Hd. Phillips (8-32 x 1/4). Motor & Canister Support (Single). Assembly Complete. With motor & Cannister Support (Single).
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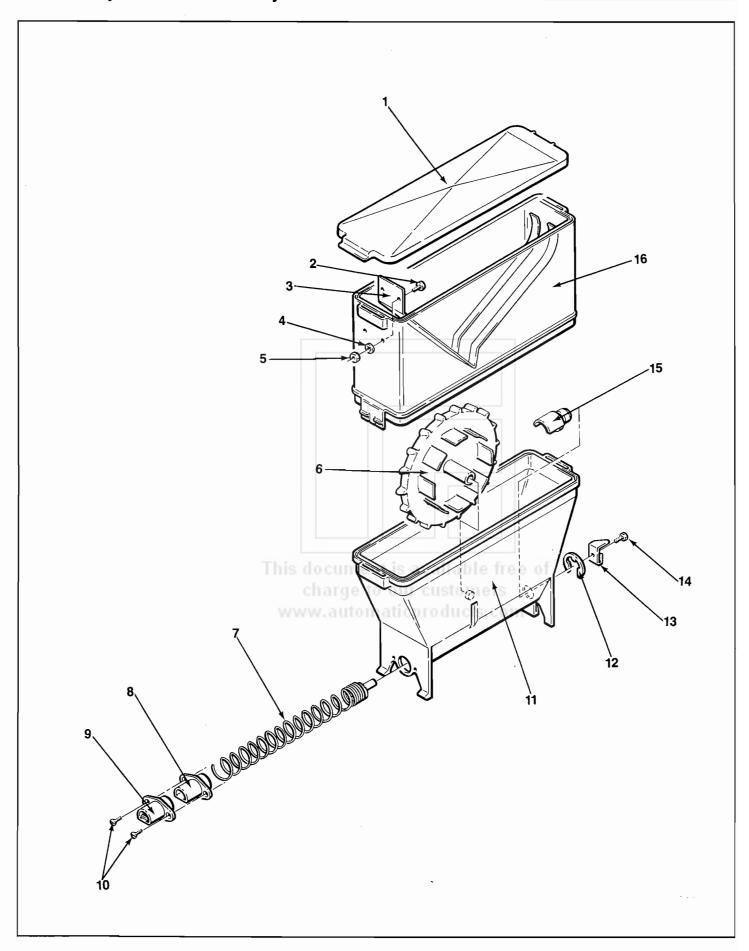


_coffee hopper assembly - dual

Item No.	Part No.	Description		Item No.	Part No.	Description
1 2 3	660412-1 14006 06695 640172 14419	Assembly. Coffee Canister Only (Dual). Canister Only. Canister Cover. Assembly Complete. Commodity Wheel. Commodity Wheel Only.		14 15 16 17	203-6R6 660413-3 600551 116-8R4 660403	Screw, Flat Hd. Type B (6-18 x 3/8). Assembly Complete. With Motor Canister Supt. Assembly Only. Canister Supt. (Dual). Screw Pan Hd. Phillips (8-32 x 1/4). Assembly Complete. Motor w/Roll Pin
4 5 6 7 8 9 10 11 12 13	14017 16058-11 14012 116-6R6 600-6 25970 25969 420136-1 14023 14011	Wheel Axle. Nyliner. Rear Bearing. Screw, Pan Hd. Phillips (6-32 x 3/8). Washer. Auger Driver Screw. Auger Driver. Pal Nut (5/8-11). Assembly Auger & Shaft. Canister Spout.		18 19 20 22 23 24 25	680425 276-8R6 202031 202029 600547 28143 15556-6 33079-2 28948 33079-9	and Screws (170 rpm). Harness Coffee Hopper (Dual). Screw, Pan Hd. Phillips (8-32 x 3/8). Plug & Switch Bracket. Cover, Motor. Coffee Chute. Coffee Hopper Agitator. Label, Canister. Reg. Coffee. Label, Canister. Reg. Coffee. Label, Canister. Decaf. Coffee. Label, Canister. Decaf. Coffee.
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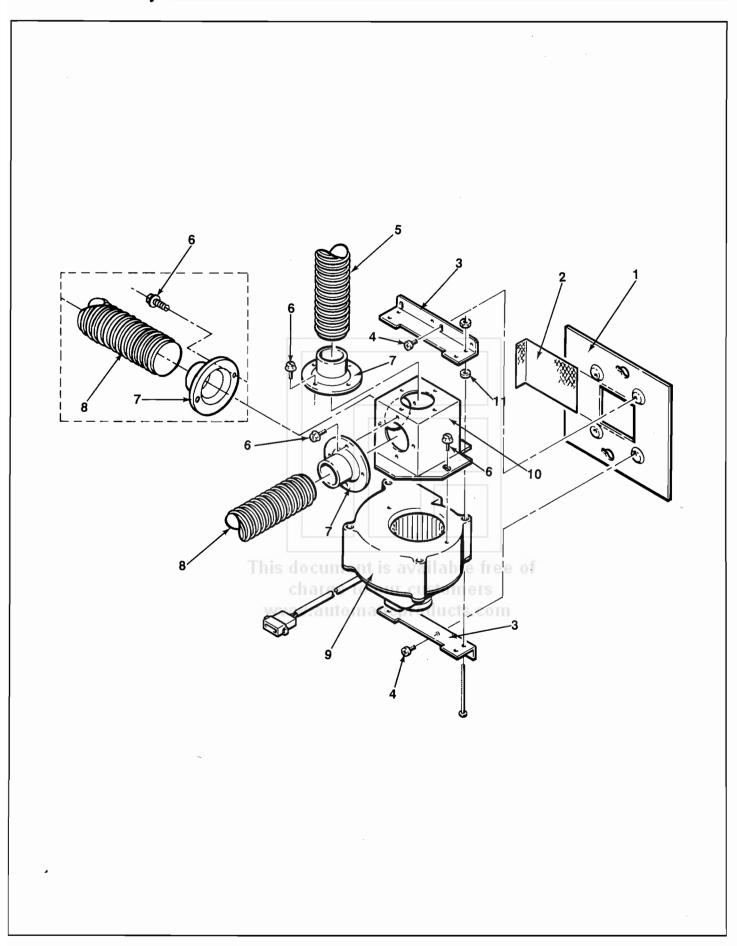


Item No.	Part No.	Description		Item No.	Part No.	Description
No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Part No. 660403-1 276-8R6 660412-5 660412-3 33079-3 33079-5 33079-1 460044 201886 600553 600546 420035-4 276-8R4 660410-1 360147 420186 202000 32488 201917 420221 600560 32317 32468	Assembly Motor & Roll Pin (180 rpm). Screw, Pan Hd. Phillips (8-32 x 3/8). Assembly, Complete. Chocolate Canister. Assembly, Complete. Sugar Canister. Assembly, Complete. Cream Canister. Decal, "Cream." Decal, "Sugar." Decal, "Chocolate." Cable Tie. Tubing Support, Canister. Canister Rack Only. (3). Humidity Bar Bracket.	cust	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	13918 13914 13915 28045 14745 13909 13919 34091 27435 27421 116-8R4 660406-1 360156 33279 404-8 420203-2 116-8R10 116-8R4 201882 680419 680422 420212	Slinger. Mounting Plate. Spring. Chocolate Whipper Funnel. Whipper Funnel Top. Whipper Outer Housing. "O" - Ring. Impeller. Seal Whipper. Housing, Inner Screw, Pan Hd. Phillips (8-32 x 1/4). Whipper Assembly Complete. Whipper Motor Only. Vibration Pad. Hex Nut (8-32). Cable Clamp. Exhaust Hose.

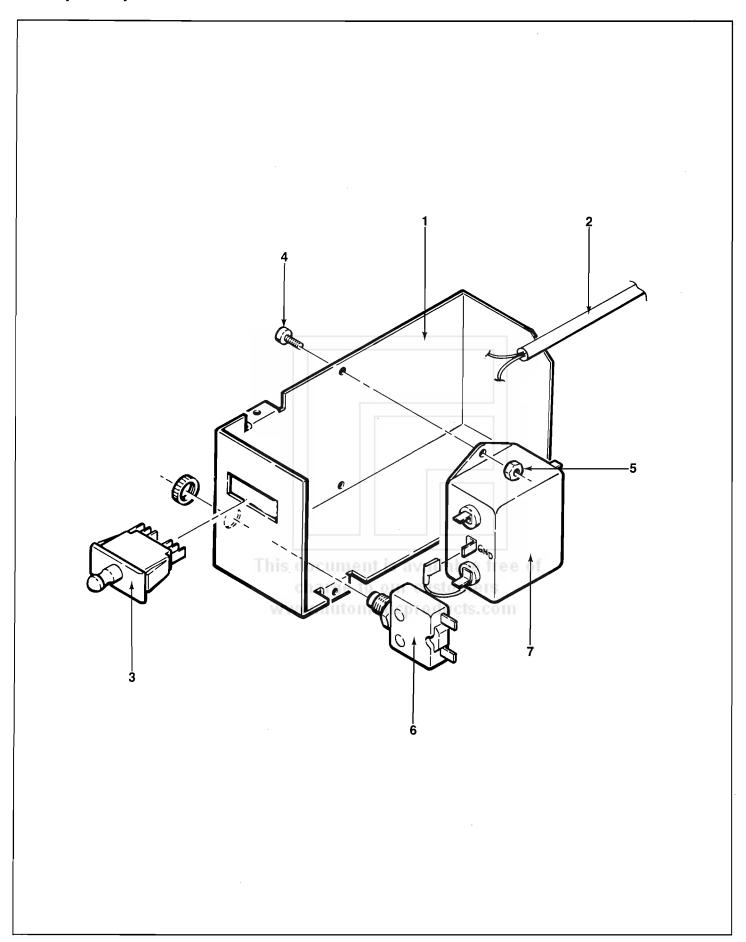


_commodity canister assembly

Item No.	Part No.	Description		Item No.	Part No.	Description
1 2 3 4 5 6 7 8 9 10	20647 116S6R6 23757 600-6 19927 20311 20645 26643 26643-1 203-6R6 20288	Canister Lid. Screw, Pan Hd. M/S Stnls. Phillips (6-32 x 3/8), Assembly. Chocolate Extension Only. Flat Washer. Chocolate Canister Only. Locking Nut (6-32) Chocolate Canister Only. Commodity Wheel (Used in Cream, Soup, or Chocolate). Assembly, Auger. Spout Without Louveres. (Used in Sugar, and Chocolate). Spout Louvered (Used in Cream Only). Screw, Flat Hd. Phillips Hd. Type B (6-18 x 3/8). Canister Bottom.		12 13 14 15 16	660412-3 660412-4 660412-5 15556-1 15556-4 15556-5 20646 25969 25970 20263 23711	Assembly Complete. Cream Canister. Assembly Complete. Sugar Canister. Assembly Complete. Chocolate Canister. Label, Canister, Chocolate. Label, Canister, Light. Label, Canister, Sugar. Retaining Ring. Driver - Auger. Screw, Auger Drive. Bearing, Rear Canister. Extension, Chocolate Canister.
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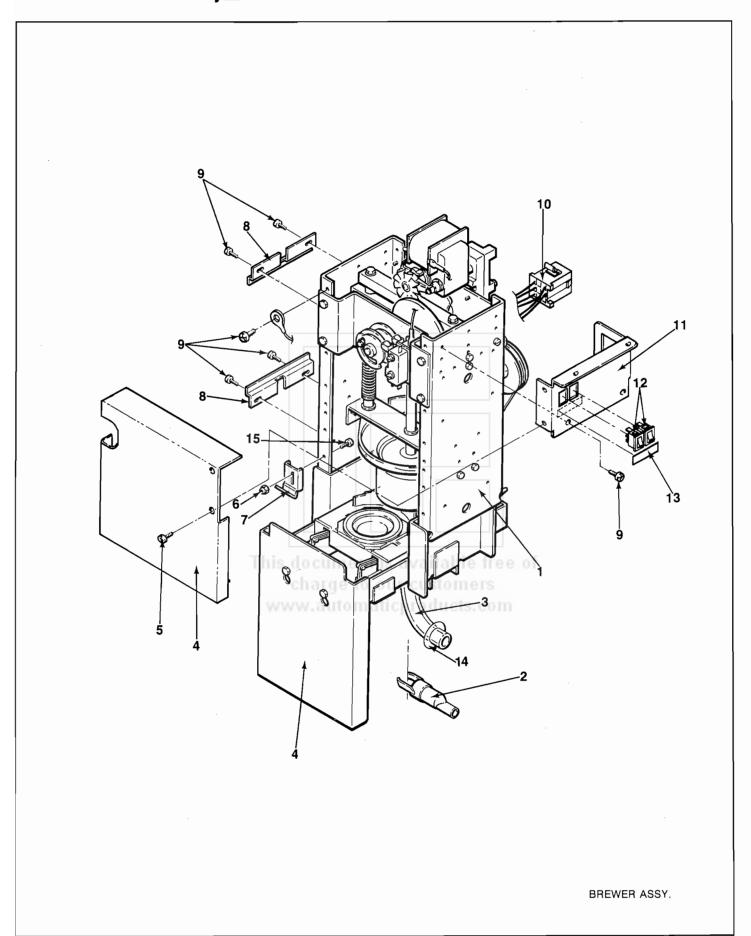


Item No.	Part No.	Description		Item No.	Part No.	Description
1 2 3 4 5 6 7 8	201870 20942 24048 276-8R4 420203-3 276-8R6 32633 420203-2	Screw, Pan Hd. Phillips (8-32 x 3/8). Adapter Vacuum Hose.		9 10 11	660402-2 660402-3 380270 33337 202063 420106-2	FD (3 Hose) Blower. Assembly Complete. Standard (2 Hose) Exhaust Blower Only. Exhaust Box Only. STD. Exhaust Box Only. F.D.
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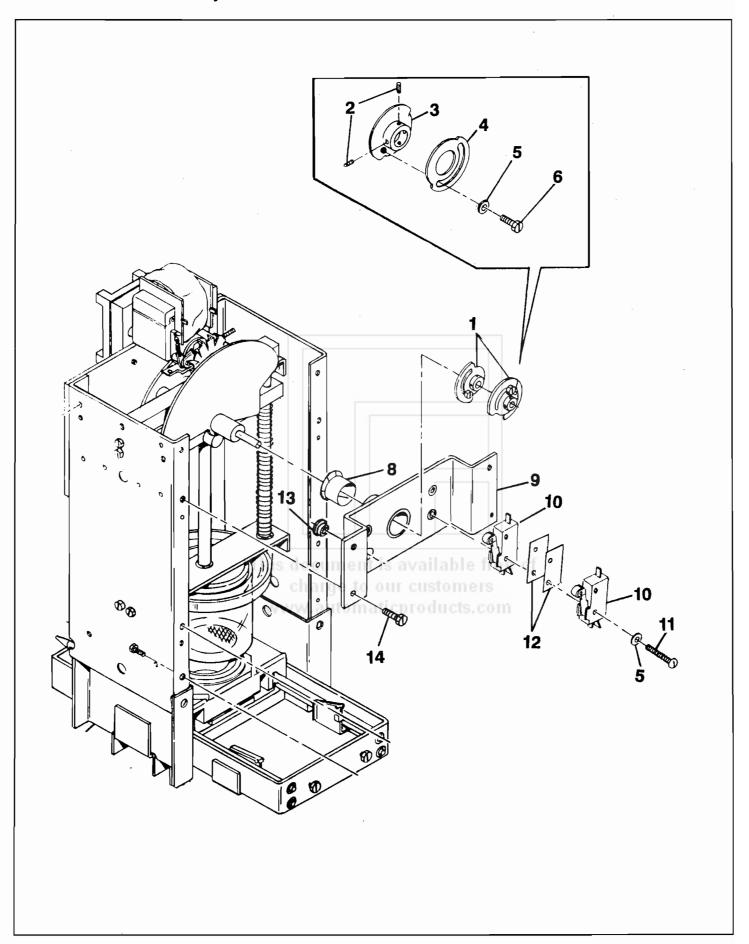


_main power junction box

Item No.	Part No.	Description	Item No.	Part No.	Description
1 2 3	660429 202039 680436 380261	Assembly Complete. Power Inlet Box. Switch & Relay Mounting Bracket Only. Inlet Box Harness. Door Switch. 16 Amp.	4 5 6 7	276-8R6 404-8 380101-4 380265	Screw, Pan Hd. Type 23 (#8 x 3/8). Hex Nut (8-32). Circuit Breaker. 15 Amp. R.F. Filter
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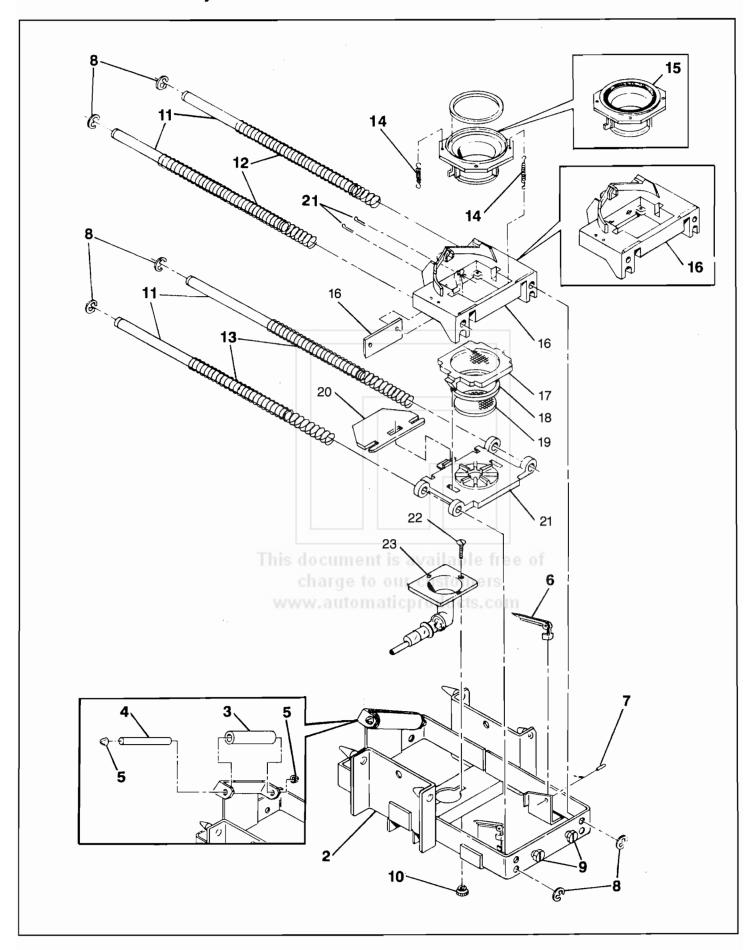


Item No.	Part No.	Description	Item No.	Part No.	Description
1	660430 660430-1	Assembly Complete. Brewer w/o Tea. Assembly Complete. Brewer w/Tea. Export Only. See Pages 39-46 For Itemized Parts. (See Attached Sheets)	8 9 10	201883 277-10R6 680428 680429 680430	Side Mounting Bracket, Brewer. Screw, Pan Hd. Phillips (#10 x 3/8). Brewer Harn w/o Tea. Brewer Harn w/Tea. Export Only. Brewer Harn. For use with Freeze Dry.
2	27370	Adapter - Brewer Funnel (Use With Black Only).	11	201866 201866-1	Top Support, Brewer. Coffee Only. Top Support, Brewer. For use w/Tea.
3 4 5	420219-1 201854 202034 210-8R6	Tubing, Clear. 7" Guard, Splash, Brewer. Cover, Brewer. Screw, Truss Hd. Type A (8 x 3/8).	12 13 14	380283 460493 19047	Export Only. Switch, Rocker-Momentary. Decal, Brewer Cycle. Ring, Drip.
6 7	21042 32715	Nut, (#8-32) Stop. Bracket, Latch, Base Assembly.	15	116-8R8	Screw (#8-32 x 1/2) PH Phil Mach.
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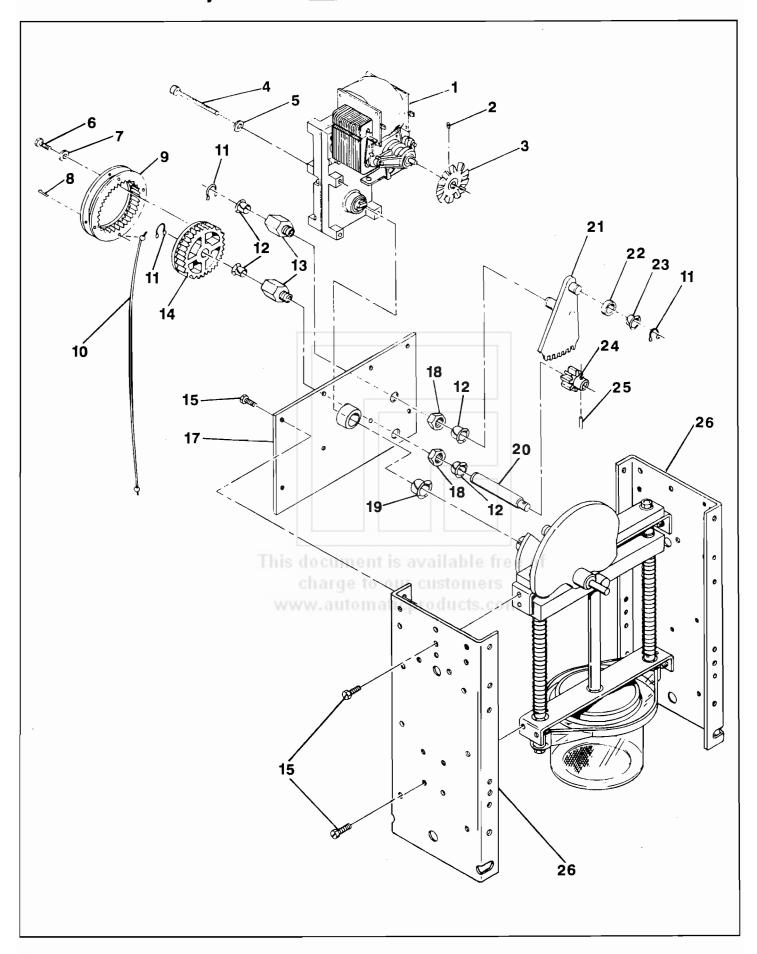


_coffee brewer assembly cont.

Item No.	Part No.	Description		Item No.	Part No.	Description
1 2 3 4 5 6	13147 00652 13151 13152 00826 13154	Cam Assembly. Screw (6-32 x 3/16), Socket Set, Cup Point. Cam w/Hub, Stationary, Tapped. Cam, Slotted. Washer, Flat #6 SCP. Screw (6-32 x 1/4), HH SD SCP.		8 9 10 11 12 13 14	16058-5 18971 17583 17428 19557 17848 277-10R6	Nyliner, 12L12 FGS. Channel ASM, Front, Brewer. Switch, Unimax AA413C. Screw (6-32 x 1 3/4), PH SCP. Insulation, Switch, Flat Fishpaper. Nut, Brewer Switch MTG, Nylon Insulation. Screw, PH. Type 23 (10-32 x 3/8).
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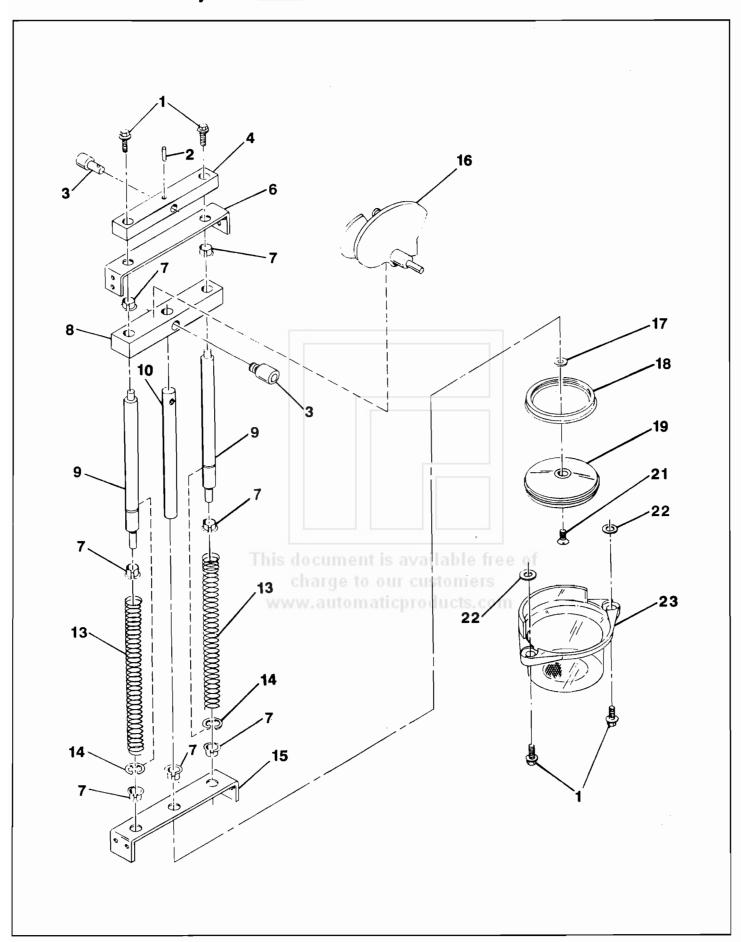


Item No.	Part No.	Description	Iter No		Part No.	Description
1 2 3 4 5 6 7 8 9 10 11 12 13	660467 28531 14370 16291 16419 15019 14780 17521-3 14805 04862 14344 15528 14354	Base ASM Complete (Includes Items 2-23). Frame ASM, Base, Welded (Only). Idler, Roller. Shaft, Idler. Nut, Push, Acorn, Palnut. Pawl. Pin, Roll (1/16 x 1/4), SS. Ring, Retaining, 1/4 BCU. Screw (10-32 x 3/8), HH SD SCP. Nut, 6-32, KN Thumb Rod, Carriage & Filter Support. Spring, Carriage Return. Spring, Filter Return.	14 15 16 17 18 19 20 21 22 23	;	14435 29372 12798 28406 29373 16721 16724 16723 27926 28020 15022 17898	Spring, Brew Chamber. Chamber with Seal. Seal, Brew Cavity. Chamber, Brew. Carriage, Brew with Wiper. Filter, Molded, Brown. Seal, Ring Filter. Screen, Filter. Cover, Funnel. Support, Screen, Filter. Screw (6-32 x 1/2), FH,SS. Funnel, Poly.
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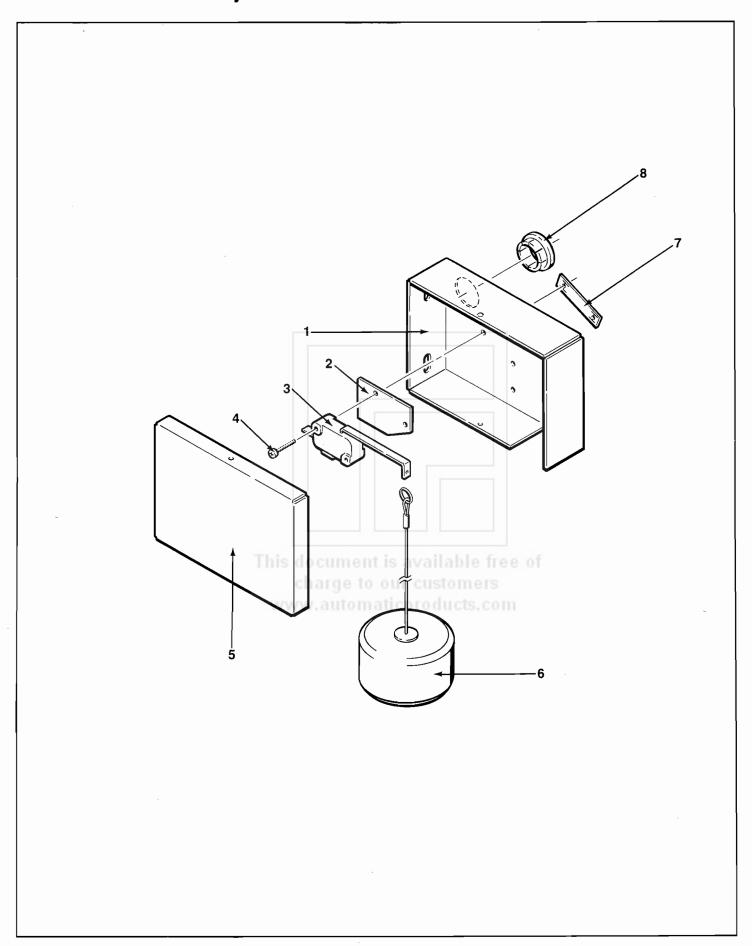
_brewer base assembly cont.

Item No.	Part No.	Description		Item No.	Part No.	Description
1 2 3 4 5 6 7 8 9 10 11 12 13	17365 03272 17584 17846 17423 14806 00961 17412 15553 17404 17521-7 16058 17683	Motor, Brewer. Screw (8-32 x 3/16), NYLD, SK Set. Blade, Fan, 1 5/8 Dia. Screw (10-32 x 2"), Socket Head Cap. Washer, Lock, #10 Int. Star, SCP. Screw (8-32 x 3/8), HH SCP F SD WA. Washer, Flat #8, SCP. Pin, Cotter (1/16 x 3/4) SS. Spool, Outer. Cable ASM, Slow Return. Ring, Retaining, 3/8 BCU, Waldes 5100-37140. Nyliner, 6L6F. Sleeve, Bearing.		14 15 17 18 19 20 21 22 23 24 25 26	15554 277-10R6 17531 00822 16058-5 15521 15522 15512 16058 15520 14511 17332	Spool, Inner Screw (10-32 x 3/8), HH, SD, SCP. Screw PH Phil. Type 23 (10-32 x 3/8). Panel, ASM, Brewer Back. Nut (5/8 -18 x 3/16), Hex, Brass. Nyliner, 12L12FGS. Shaft, Pinion. Gear ASM Segment. Cam Follower. Nyliner, CAM Follower. Gear, Pinion. Pin, Roll (3/32 x 1/2), SS. Channel, Brewer Side.
		This document is charge to our www.automatic	cu	stom	ers	



_brewer base assembly cont.

Item No.	Part No.	Description	Item No.	Part No.	Description
1 2 3 4 6 7 8 9 10	17415 14511 11947 17324 17326 16058-17 33625 33465 33466	Screw (1/4-20 x 1/2), HH, WA, M, SCP. Pin, Roll (3-32 x 1/2), SS. Follower, CAM, Sealed. Bridge, Cylinder. Bracket, Guide Top Nyliner, 8L2FF. Bridge, Piston Assy. Rod, Cylinder. Rod, Piston.	13 14 15 16 17 18 19 21 22 23	11956 17521-10 17325 17519 13085 29482 29481 12716 13839 32714	Spring, Piston Return. Ring, Retaining, 7/16 SS. Bracket, Guide, Bottom. CAM ASM. Gasket, Piston. Seal, Piston, White Silicone. Piston, Molded, Red. Screw (1/4-20 x 1 1/4), SS (3/8 x 11/16 x 1/16), SS. Cylinder, Brewer.
		This document is charge to ou			
		www.automatic			



overflow switch assembly

Item No.	Part No.	Description		Item No.	Part No.	Description
2 3	660423-1 202003 360023 380273	Assembly Complete. Overflow Switch Box. Overflow Switch Bracket Only. Switch Insulation. Overflow Switch.		4 5 6 7 8	100-4R10 201876 660433 420241 420040-8	Screw, Rd. Hd. Phil. Mach. (#4-40 x 5/8). Switch Box Cover. Assembly Float Overflow. Twin Type Speed Nut. Snap Bushing (5/8).
		This document is a charge to our www.automaticp	cust	ome	rs	

Orange - 440335-1

DECAFFEINATED

FRESHBREW COFFEE

Select D5 Black

D6 White

D7 Black with Sugar D8 White with Sugar

Light Brown - 440335-22

WHIPPED HOT CHOCOLATE

Select C7

Dark Brown - 440335-39

DECAFFEINATED COFFEE

Select D5 Black D6 White

D7 Black with Sugar D8 White with Sugar

Medium Brown - 440335-42

COFFEE

Select D1

Medium Brown - 440335-24

HOT WATER

Select C8

Hold 8 for as long as you want water.

Dark Brown - 440335-2

FRESHBREW COFFEE

Select

D1 Black

D2 White D3 Black with Sugar

D4 White with Sugar

Medium Brown - 440335-23

COFFEE

Freshly Brewed Select

D1 black D3 Sugar D2 light D4 light & sugar

Medium Brown - 440335-40

FRESHBREW COFFEE

Select D1

Orange - 440335-43

DECAFFEINATED COFFEE

Select D5

document is available

charge to our customers

Dark Brown - 440335-3

COFFEE

Select D1 Black

D2 White

D3 Black with Sugar

D4 White with Sugar

Rust - 440335-25

HAVE A

NICE DAY!

Orange - 440335-41

DECAFFEINATED FRESHBREW COFFEE

Select D5

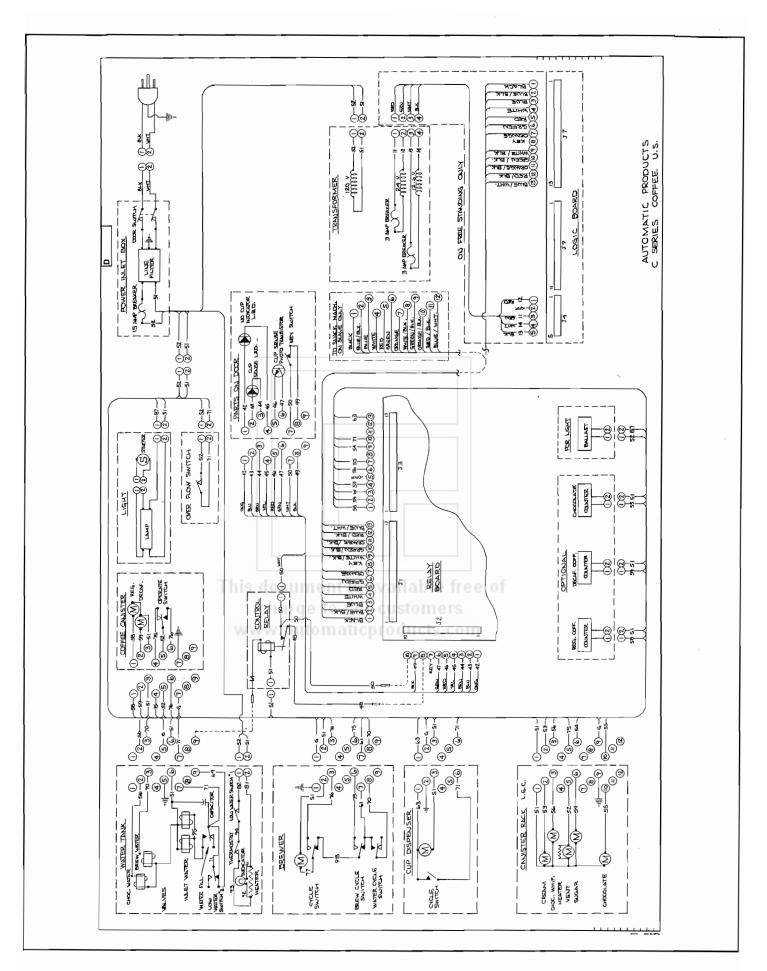
Rust - 440335-44

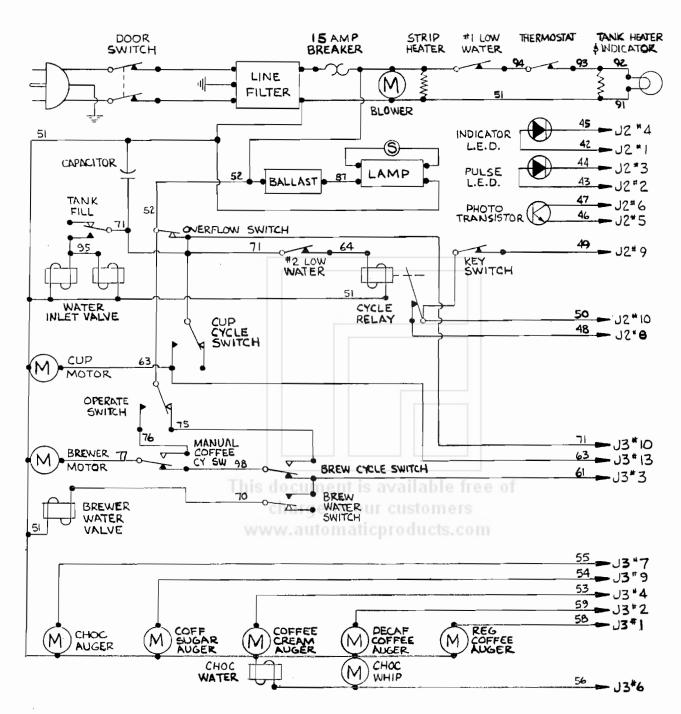
THANK YOU

electrical harnesses

Item No.	Part No.	Description
	680414	Coffee Free Standing Harness.
	680420	Harness, Vend Relay.
	680426	Harness, Coffee Cabinet.
	680428	Harness, Brewer.
	680395	Snack Harness To Coffee (Slave).
	680419	Canister Harness.
	680422	Canister Harness. Choc. Only.
	680423	Cup Drop Harness.
	680424	Coffee Hopper Harness (Single).
	680386	Interconnect Harness Coffee To Snack (Slave).

Item No.	Part No.	Description
	680425 680430 680432 680433 680435 680436 680438 680439 680444	Coffee Hopper Harness (Dual). Harness, Brewer. Freeze Dry. Counter Assembly With Harness. Harness, Sense Circuit. Harness, Water Tank. Inlet Box Harness. Free Standing Power Harness. Line Cord. Coffee To Can Harness.





NOTE: INTERNAL GROUND CIRCUITS NOT SHOWN

AUTOMATIC PRODUCTS
US C SERIES COFFEE

