Find out more ON THE WEB. WILBURCURTIS.COM

Models Included

D1000GT

D500GT

Setup and Brewing, page 1 are similar for both brewers. Otherwise

D500GT information starts on page 6

WILBUR CURTIS COMPANY, INC.

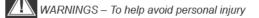
Service Manual, D1000GT & D500GT Airpot Brewers

Important Safeguards/Conventions

This appliance is designed for commercial use. Any servicing other than cleaning and maintenance should be performed by an authorized Wilbur Curtis service center.

- . Do NOT immerse the unit in water or any other liquid
 - To reduce the risk of fire or electric shock, do NOT open top or rear panel. There are no user service-able parts inside. Repair should be performed only by authorized service personnel.
 - · Keep hands and other items away from hot parts of unit during operation.
 - · Never clean with scouring powders, bleach or harsh implements

Conventions:







Curtis G3 Brewers are Factory Pre-Set and Ready to Go... Right out of the Carton. Following are the Factory Settings for your Airpot Coffee Brewing System:

- Brew Temperature = 200°F
- Brew Volume = Set to dispensing vessel requirements (2.2 liters)

Generally there will never be a reason to change factory programming. However, should you need to make slight adjustments to meet your brewing needs, programming instructions are provided later in this manual. System Requirements:

Water Source 20 – 90 PSI. Must have a minimum flow rate of ½ GPM (preferred flow rate is 1 gpm).

 Electrical: See attached schematic for standard model or visit www.wilburcurtis.com for your model. Equipment to be installed to comply with applicable federal, state, or local plumbing/electrical codes having jurisdiction

SETUP STEPS

NSE

The unit should be level (left to right and front to back), located on a solid counter top. Connect a water line from the water filter to the brewer. NOTE: Some type of water filtration device must be used to maintain a trouble-free operation. (In areas with extremely hard water, we suggest that a sedimentary and taste & odor filter be installed.) This will prolong the life of your brewing system and enhance coffee quality.



connect this brewer to ho water. The inlet valve is not rated for hot water

this brewer. Failure to follow the

voiding of the warranty

instructions can result in injury or the

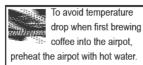
CAUTION: Please use

before attempting to use

this setup procedure

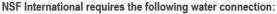
CAUTION: DO NOT







WILBUR CURTIS COMPANY Montebello, CA 90640

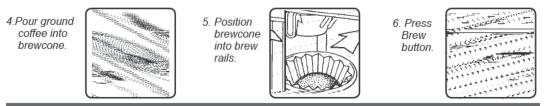


A quick disconnect or additional coiled tubing (at least 2x the depth of the unit) so that the machine can be moved for cleaning underneath.

- In some areas an approved backflow prevention device may be required between the brewer and the water supply. 2
- 1. A 3/8" NPT x 1/4" Flare elbow has been supplied for water line connection. Use tubing sized sufficiently to provide a minimum of 1/2 GPM.
- Connect the unit to an appropriate electrical power circuit.
- 3. Turn on the toggle (STANDBY/ON) switch behind the unit. The heating tank will start to fill. When the water level in the tank rises to the correct volume, the heating elements will energize automatically. With GT brewers, there is no danger of element burnout caused by an empty tank.
- The heating tank will require 20 to 30 minutes to reach operating temperature (200°F). This will be indicated 4 when the screen reads READY TO BREW
- 5. Prior to brewing, dispense 12 ounces of hot water through the hot water faucet.
- Brew a cycle of at least 12 ounces, to purge the water lines of any air that may be trapped after filling. 6.

BREWING INSTRUCTIONS

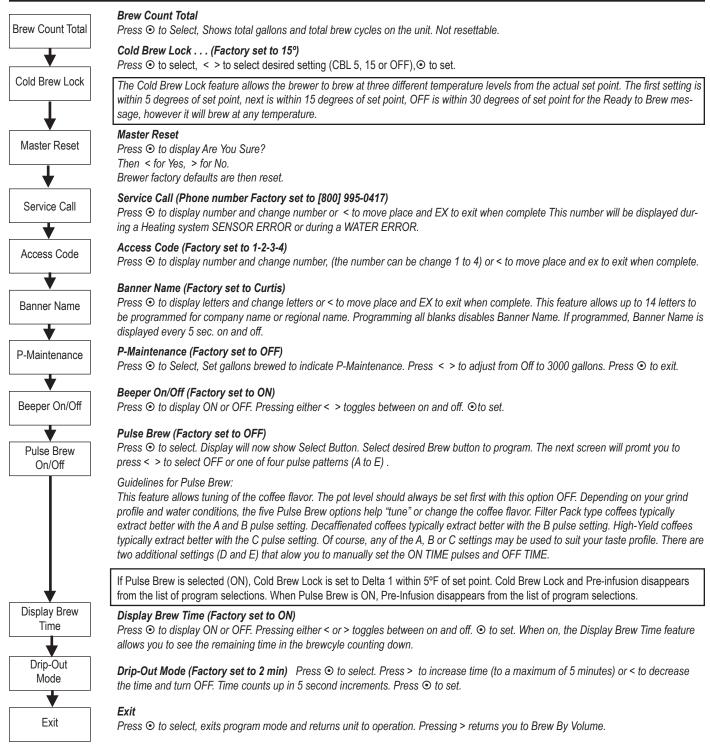
- 1. Brewer should be ON (Confirm at rear togale switch, then press ON/OFF button). Ready to Brew on screen.
- 2. Open lid on an empty airpot and place on deck, ready to receive coffee.
- 3. Place a new filter in brewcone.



FOR THE LATEST SPECIFICATIONS AND INFORMATION GO TO WWW.WILBURCURTIS.COM

D1000GT

QUICK START D1000GT									
Your Curtis ADS System is Factory Pre-Set for Optimum Performance. After connection to water and power; the rear toggle switch must be on. You will hear a beep sound, indicating power is available to the controller.									
The control displays WILBUR CURITS. Press ON/OFF button and the screen will display WILBUR CURITS. After three seconds, WILBUR CURITS is displayed.									
Water will fill the tank (approximately 2-3 minutes depending on water flow rate). When the proper level is reached WILBUR CURITS screen. It takes approximately 20 minutes to reach setpoint temperature of 200°F. Control will display WILBUR CURITS READY TO BREW when temperature reaches the setpoint (200°F). Unit is now ready to brew.									
All programming selections are performed with the three center buttons. The symbols below the buttons are: Scroll LEFT 1 Scroll RIGHT 3									
Program Menus Program Menus Program Menus From Program Menus press > display will now show the next feature. Selecting Brew by Volume or Brew by Time depends on whether you know your brew time before starting. Each brew button volume is independently programmable for Brew Volume (volume or time), Pre-infusion, and Pulse Brew. During actual brew cycle a 2-minute drip mode is added to the brew time.									
Brew By Volume Brew By Volume Brew by Volume (Factory set to 72 oz) Press ⊙ to Select, display will now show Select Button. Select desired Brew button. To Begin Press the BREW button hot water starts running, when correct volume is reached press BREW button again to stop the flow. Now the volume ha set. Pressing > button will display the subsequent menu features.									
Brew by Time Brew by Time (Factory set to 3 min – 0 sec) Press I to Select, display will now show Select Button. The current time is now shown. By pressing < > you can toggle back and forth from minutes to seconds to exit (ex). Change the time or set and exit by pressing I									
Temperature Temperature (Factory set to 200°F) Temperature Press ⊙ to Select. Press < > to move to desired temperature and then ⊙ to set. Temperature is programmable from 170°F to 204°F in 2-degree increments. Image: Constraint of the temperature Energy Save Mode Image: Constraint of temperature Fin 2-degree increments. Image: Constraint of temperature Energy Save Mode (Factory set to OFF) Press ⊙ to Select, < , >, ON, OFF or ON 140°F , ⊙ to set. When in ON, unit will automatically shut off 4 hours from last brew. When feature is OFF, unit does not have the energy saving mode. In the ON 140°F position, temperature goes down to 140°F. if unit has not brewed in 4 hours. This feature will save energy by not heating the tank during periods of non-operation.									
						Brew Count Odom. Press ⊙ to display total gallons brewed. Press ex or Reset			
Pre-Infusion (Factory set to OFF) Press ⊙ to Select. Display will now show Select Button. Select desired Brew button. Current setting in seconds is displayed <									
Pre-Infusion to decrease or select > to increase (range from OFF to 10 through 60 seconds), ⊙ to set.									
If Pre-infusion is selected (ON), Cold Brew Lock is set to Delta 1 within 5°F of set point and Cold Brew Lock and Pulse Brew dis- sappears from the list of program selections.									



Brew Volume – Easy Access

To access the brew volume without entering the program mode.

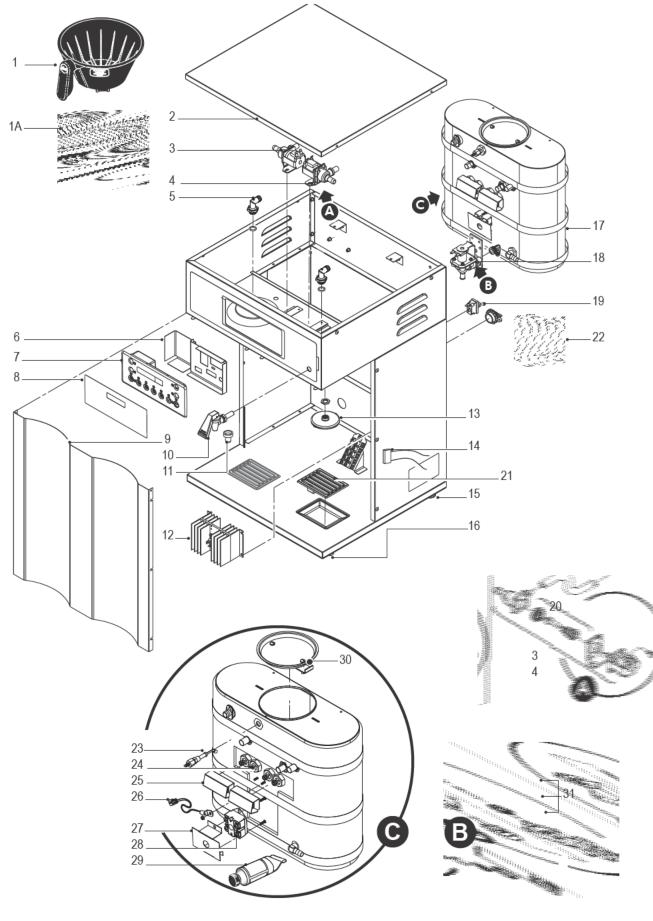
The UCM must be on. To adjust the D1000GT brewer, press and hold down the center, Select button (2). The screen will read Vol. Adj. < -0 > Oz.Vol. Adj. < -0 > Oz. pressing < or > will adjust the brew volume up or down, ± 20 oz, in 1 ounce increments.

Tank Temperature Check

Turn on brewer at the control panel ON/OFF button. Press and hold (3) button (see illustration, page 2) for 5 seconds. Water Temperature will be displayed (temperature in heating tank).

D1000GT

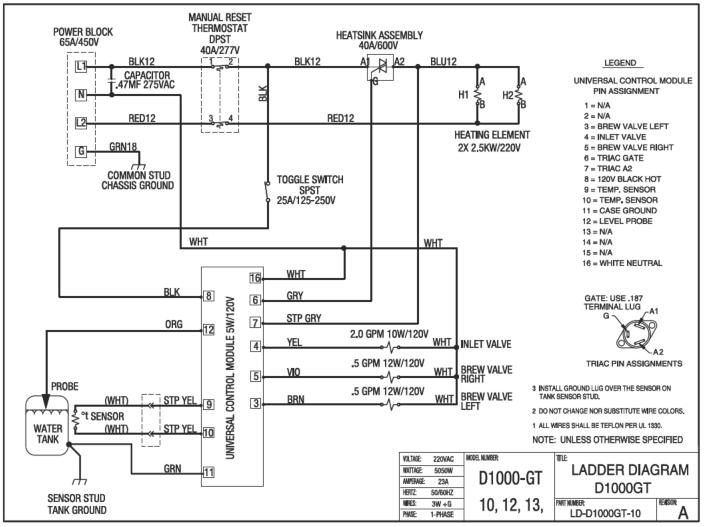
PARTS DIAGRAMS D1000GT



PARTS LIST D1000GT

N۵	Part Nº	Description	Νº	Part №	Description
1	WC-3621-101	BREWCONE, UNIV7 1/8" BLK PLASTIC	16	WC-3503	LEG, 3/8-16 STUD SCREW
1A	WC-3316	BREW CONE, ASSY S.S. (OPTIONAL)	17	WC-75285	TANK, COMPLETE D1000GT W/ULTEM FTNG
2	WC-5421	COVER, TOP	18	WC- 847*	VALVE, INLET 2GPM
3	WC- 889*	VALVE, LIQUID DISPENSING LEFT 120VAC	19	WC- 102*	SWITCH, TOGGLE 125/250 VAC RESISTIVE
4	WC- 817*	VALVE, DUMP 120V 12W RIGHT	20	WC-3763*	KIT, VALVE REPAIR USE ON WC-889 /WC-817
5	WC-2962	FITTING, SPRAYHEAD ASSY ENHANCED FLW	21	WC-6221	GRID, DRIP TRAY AIRPOT (OPTIONAL)
5A	WC-2977-101	FITTING ASSY, SPRAYHEAD (OLDER UNITS)	22	WC-5310*	TUBING, SILICONE, 5/16" I.D. (1 FT.)
6	WC-67101	BRACKET, UCM	23	WC-37278	KIT, LIQUID LEVEL PROBE GT
7	WC-37177*	KIT, UCM & OVERLAY D1000GT	23A	WC-5502-01*	PROBE ASSY, WATER LEVEL (OLDER UNITS)
8	WC-39396	LABEL, DUAL UCM PANEL	24	WC- 934-04*	ELEMENT, HEATING 2.5W 220V
9	WC-62050	COVER, FRONT SS D1000GT SHORT	25	WC-4394	GUARD, SHOCK HEATING ELEMENT
9A	WC-5847	COVER, FRONT (UNITS PRIOR TO 12/1/08)	26	WC-1438-101*	SENSOR, HEATING TANK
10	WC-1809	FAUCET, HOT WATER W/JAMNUT	27	WC-43055	GUARD, SHOCK RESET THERMOSTAT
11	WC-1806	SEAT CUP, SILICONE (USE ON WC-1809)	28	WC- 522	THERMOSTAT, HI LIMIT HEATER CONTROL
12	WC-8560	HEAT SINK, 1PH ASSEMBLY	29	WC-5231*	COMPOUND, SILICONE 5 OZ TUBE
13	WC-29025*	SPRAYHEAD, PURPLE ADVANCE FLOW	30	WC-37008*	KIT, HEATING TANK LID
14	WC-8591*	CAPACITOR, X2	31	WC-3765L*	KIT, VALVE REPAIR USE ON WC-847
15	WC-3518	LEG, GLIDE 3/8-16 STUD SCREW		* Sug	ggested Parts to Stock

ELECTRICAL SCHEMATIC D1000GT



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D500GT								
QUICK START	D500GT							
Your Curtis ADS System is Factory Pre-Set for Optimum Performance. After connection to water and power; the rear toggle switch must be on. You will hear a beep sound, indicating power is available to the controller.								
The control displays Press ON/OFF button and the screen will display display. After three seconds, Filling is displayed.								
Water will fill the tank (approximately 2-3 minutes depending on water flow rate). When the proper level is reached will appear on the screen. It takes approximately 20 minutes to reach setpoint temperature of 200°F.								
Control will display with the setpoint (200°F). Unit is now ready to brew.								
To Go Into Programming Turn off (dark display) by pressing ON/OFF button (yellow). Press and hold BREW button (green) and then press and release ON/OFF button (yellow). Continue holding BREW button. Display will read respond to the buttons (see illustration below). The default code set at the factory is 1-2-3-4. Then								
Entering Program Mode All programming selections are performed with the three center buttons. The symbols below the buttons are: The symbols below the buttons are:								
	to save new parameter							
© SELECTION or ENTER to save new parameter ↓ 0 ↓ 4 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓								
Model Select - D500GT ONLY. Always perform this first. This feature re-sets all settings to the factory defaults. Scroll through menu to Model Select. Choices are: ALPHA-1, ALPHA-2, ALPHA-3/4/5, Airpot Brewer and Thermo-Alpha. Select only Airpot Brewer.								
PROGRAM MENUS								
Program Menus Program Menus From Program Menus press > display will now show the next feature. Selecting Brew by Volume or Brew by Time depends on whether you know your brew time before starting.								
Brew by Volume (Factory set to 74oz)								
Brew By Volume Press © to Select, display will now show Press BREW to Start. Press the BREW button. The unit will start spraying hot water into the brewcone. When correct volume is reached press BREW button again to stop the flow. Now the volume has been set Pressing > button will display the subsequent menu features.								
Brew by Time								

Press • to Select, display will now show Select Button. The current time is now shown. By pressing < > you can toggle back and forth from minutes to seconds to exit (ex). Change the time or set and exit by pressing O.

Temperature (Factory set to 200°F)

Press ⊙ to Select. Press < > to move to desired temperature and then ⊙ to set. Temperature is programmable from 170°F to 206ºF in 2-degree increments.



Brew Count Odom

Brew By Time

Temperature

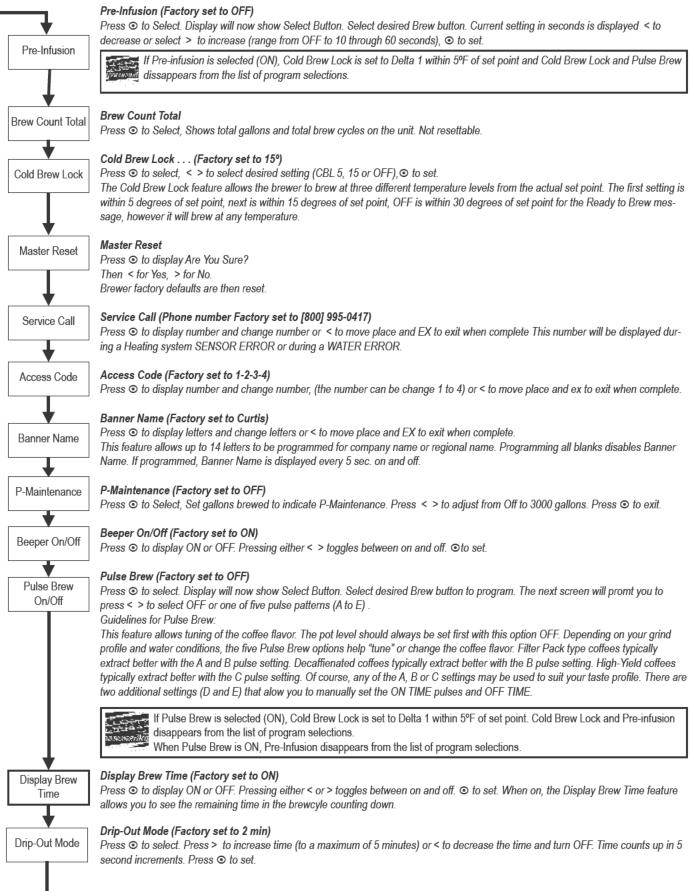
Energy Save Mode (Factory set to OFF)

Press ⊙ to Select, < , >, ON, OFF or ON 140°F, ⊙ to set. When in ON, unit will automatically shut off 4 hours from last brew. When feature is OFF, unit does not have the energy saving mode.

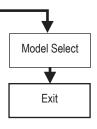
In the ON 140°F position, temperature goes down to 140°F. if unit has not brewed in 4 hours. This feature will save energy by lowering the tank temperature during periods of non-operation.

Brew Count Odom.

Press O to display total gallons brewed. Press ex or Reset



D500GT



Model Select

Exit

Press \odot to select, < or >. Be sure that Airpot Brewer is selected. Screen choices are: ALPHA-1, ALPHA-2, ALPHA-3/4/5, Airpot Brewer and Thermo-Alpha. Press \odot to set. All menu settings will default to factory standards whenever a new model is selected.

Brew Volume – Easy Access

Units produced beginning January 2008 can be easily adjusted from the front panel. Written into the software on the D500GT UCM, is a feature to access the brew volume without entering the program mode.

Press
 to select, exits program mode and returns unit to operation. Pressing > returns you to Brew By Volume.

The UCM must be on. To adjust the D500GT brewer, press and hold down the center, Select button (2). The screen will read Vol. Adj. < -0 > Oz.Vol. Adj. < -0 > Oz. pressing < or > will adjust the brew volume up or down, $\pm 20 \text{ oz}$, in 1 ounce increments.

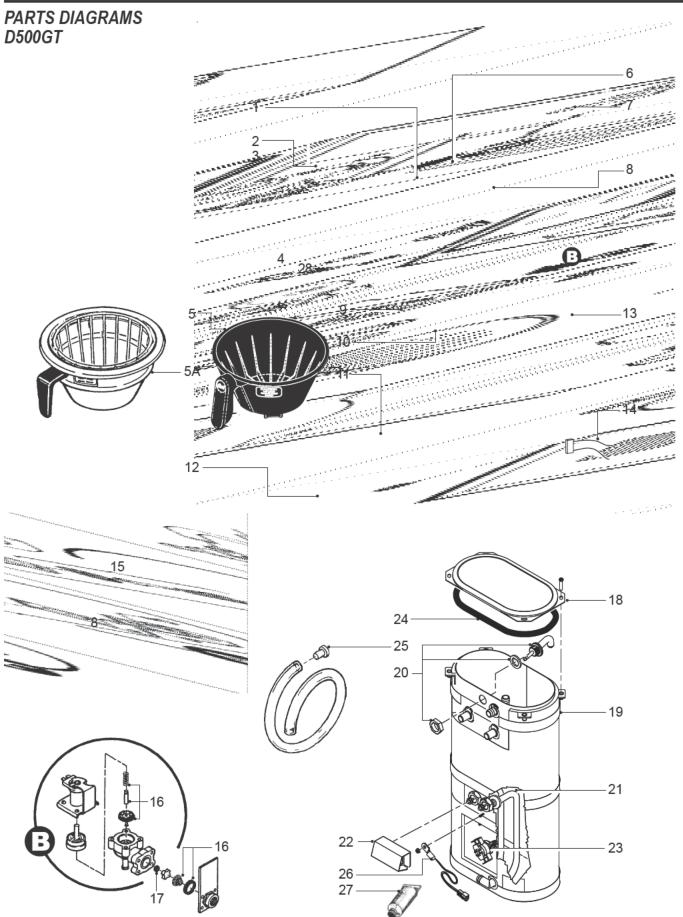
Tank Temperature Check

Turn on brewer at the control panel ON/OFF button. Press and hold (3) *button (see illustration, page 6) for 5 seconds. Water Temperature will be displayed (temperature in heating tank).*

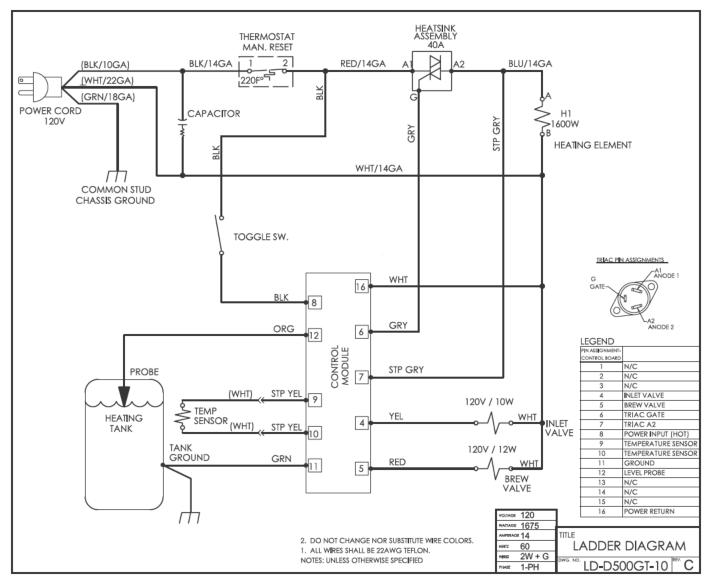
Parts List D500GT

ltem №	Part №	Description	ltem №	Part №	Description
1	WC-2977-101	FITTING ASSY, SPRAYHEAD	14	WC-8591	CAPACITOR, X2
1A	WC-2962	FITTING, SPRAYHEAD ASSY PLTD	15	WC-3763*	KIT, VALVE REPAIR USE ON WC-889
2	WC-37064*	KIT, LABEL & UCM D500GT CURTIS	16	WC-3765L*	KIT, VALVE REPAIR USE ON WC-826
3	WC-39346	LABEL, CNTRL PNL (CURTIS LOGO)	17	WC- 830	WASHER, FLW 1/2" 1.0 GPM USE W/WC-826
4	WC-37252	KIT, HOT WATER FAUCET RPLCMNT	18	WC-5853-102	COVER, TOP HEATING TANK GEN USE
5	WC-3621-101	BREWCONE, UNIV7 1/8" BLK PLASTIC	19	WC-6277	TANK COMPLETE, D500GT 120V
5A	WC-3316	BREWCONE, ASSY S.S. (OPTIONAL)	20	WC-37278*	KIT, LIQUID LEVEL PROBE GT
6	WC-5310	TUBING, SILICONE, 5/16" I.D. (1 FT.)	21	WC- 917-04	HEATING ELMNT 1450W 120V W/NUTS
7	WC-5450	COVER, TOP (OLDER MODELS)	22	WC-4394	GUARD, SHOCK HEATING ELEMENT
7A	WC-58117**	COVER, TOP D500GT	23	WC- 523	THERMOSTAT, MANUAL RESET
8	WC- 889*	VALVE, DUMP LEFT 120V	24	WC-43062	GASKET, HEATING TANK
9	WC-29025*	SPRAYHEAD, PURPLE ADVANCE FLOW	25	WC-43058	PLUG, TANK DRAIN, PP RED
10	WC- 102*	SWITCH, TOGGLE 125/250 VAC RESISTIVE	26	WC-1438-101*	SENSOR, HEATING TANK
11	WC-6221	GRID, DRIP TRAY AIRPOT (OPTIONAL)	27	WC-5231*	COMPOUND, SILICONE 5 OZ TUBE
12	WC-3503	LEG, SCREW BUMPER 3/8-16 STD	28	WC-1806	SEAT CUP, SILICONE (USE ON WC-1809)
12A	WC-3518	LEG, GLIDE 3/8"-16 STUD SCREW	29	WC-62049	COVER, FRONT SS D500GT SHORT
13	WC- 826L*	VALVE, INLET 1 GPM 120V 10W	29A	WC-6217	COVER, FRONT (UNITS PRIOR TO 12/1/08)

* SUGGESTED PARTS TO STOCK ** FOR UNITS MADE BEFORE 5/2004



Electrical Schematic D500GT



84°)

CLEANING

Regular cleaning of the airpot brewer will maintain the highest quality coffee your equipment is capable of producing. Proper cleaning is essential to maintain that fresh, appealing look to your coffee service.

- 1. First turn off the unit button on the front control panel.
- 2. Wipe all exterior surfaces with a damp cloth, removing spills and debris.
- 3. Slide the brewcone out and clean it. Thoroughly clean the sprayhead area with a mild detergent solution.
- 4. Wash the brewcone and wire brew basket, if applicable. Use a soft bristled brush for hard to clean areas. Wash both parts with a detergent solution or put these parts through a dishwasher.



CAUTION

Do not use harsh powders or cleansers containing chlorine.

Cleaning Airpots:

- Clean with warm water and dishwashing detergent. Use a sponge cleaning brush to scrub inside.
- Rinse thoroughly with hot water.
- Do not immerse airpots in water. Do not place in dishwasher.

Product Warranty Information

The Wilbur Curtis Company certifies that its products are free from defects in material and workmanship under normal use. The following limited warranties and conditions apply:

- 3 Years, Parts and Labor, from Original Date of Purchase on digital control boards.
 - 2 Years, Parts, from Original Date of Purchase on all other electrical components, fittings and tubing.
 - 1 Year, Labor, from Original Date of Purchase on all electrical components, fittings and tubing.

Additionally, the Wilbur Curtis Company warrants its Grinding Burrs for Forty (40) months from date of purchase or 40,000 pounds of coffee, whichever comes first. Stainless Steel components are warranted for two (2) years from date of purchase against leaking or pitting and replacement parts are warranted for ninety (90) days from date of purchase or for the remainder of the limited warranty period of the equipment in which the component is installed.

All in-warranty service calls must have prior authorization. For Authorization, call the Technical Support Department at 1-800-995-0417. Effective date of this policy is April 1, 2003.

Additional conditions may apply. Go to www.wilburcurtis.com to view the full product warranty information.

CONDITIONS & EXCEPTIONS

The warranty covers original equipment at time of purchase only. The Wilbur Curtis Company, Inc., assumes no responsibility for substitute replacement parts installed on Curtis equipment that have not been purchased from the

Wilbur Curtis Company, Inc. The Wilbur Curtis Company will not accept any responsibility if the following conditions are not met. The warranty does not cover and is void under the following circumstances:

- 1) Improper operation of equipment: The equipment must be used for its designed and intended purpose and function.
- Improper installation of equipment: This equipment must be installed by a professional technician and must comply with all local electrical, mechanical and plumbing codes.
- 3) Improper voltage: Equipment must be installed at the voltage stated on the serial plate supplied with this equipment.
- 4) Improper water supply: This includes, but is not limited to, excessive or low water pressure, and inadequate or fluctuating water flow rate.
- Adjustments and cleaning: The resetting of safety thermostats and circuit breakers, programming and temperature adjustments are the responsibility of the equipment owner. The owner is responsible for proper cleaning and regular maintenance of this equipment.
- 6) Damaged in transit: Equipment damaged in transit is the responsibility of the freight company and a claim should be made with the carrier.
- Abuse or neglect (including failure to periodically clean or remove lime accumulations): Manufacturer is not responsible for variation in equipment operation due to excessive lime or local water conditions. The equipment must be maintained according to the manufacturer's recommendations.
- 8) Replacement of items subject to normal use and wear: This shall include, but is not limited to, light bulbs, shear disks, "0" rings, gaskets, silicone tube, canister assemblies, whipper chambers and plates, mixing bowls, agitation assemblies and whipper propellers.
- 9) Repairs and/or Replacements are subject to our decision that the workmanship or parts were faulty and the defects showed up under normal use. All labor shall be performed during regular working hours. Overtime charges are the responsibility of the owner. Charges incurred by delays, waiting time, or operating restrictions that hinder the service technician's ability to perform service is the responsibility of the owner of the equipment. This includes institutional and correctional facilities. The Wilbur Curtis Company will allow up to 100 miles, round trip, per in-warranty service call.

RETURN MERCHANDISE AUTHORIZATION: All claims under this warranty must be submitted to the Wilbur Curtis Company Technical Support Department prior to performing any repair work or return of this equipment to the factory. All returned equipment must be repackaged properly in the original carton. No units will be accepted if they are damaged in transit due to improper packaging. NO UNITS OR PARTS WILL BE ACCEPTED WITHOUT A RETURN MERCHANDISE AUTHORIZATION (RMA). RMA NUMBER MUST BE MARKED ON THE CARTON OR SHIPPING LABEL. All in-warranty service calls must be performed by an authorized service agent. Call the Wilbur Curtis Technical Support Department to find an agent near you.



WILBUR CURTIS CO., INC.
 6913 Acco St., Montebello, CA 90640-5403 USA
 Phone: 800/421-6150 Fax: 323-837-2410
 Technical Support Phone: 800/995-0417 (M-F 5:30A - 4:00P PST) E-Mail: techsupport@wilburcurtis.com
 Web Site: www.wilburcurtis.com

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