

# Curtis<sup>®</sup> WILBUR CURTIS COMPANY, INC.

## Alpha Generation 3 - Decanter Brewer Instructions

### Models Included

- ALPHA 1GT
- ALPHA 2GT
- ALPHA 3GT
- ALPHA 3GTR
- ALPHA 3GTL
- ALPHA 5GT
- ALPHA 5GTR
- ALPHA 5GTL
- ALPHA 6GT



**CAUTION:** Please use this setup procedure before attempting to use this brewer. Failure to follow the instructions can result in injury or the voiding of the warranty.



**CAUTION:** DO NOT connect this brewer to hot water. The inlet valve is not rated for hot water.



**CAUTION:** When cleaning, DO NOT use powders, liquids, cleansers, or any substance containing chlorine. These products promote corrosion, cause pitting of stainless steel and will void the warranty.



WILBUR CURTIS COMPANY  
Montebello, CA 90640

### 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. No user serviceable parts inside. Repair should be done 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



**WARNINGS** – To help avoid personal injury



**Important Notes/Cautions** – from the factory



**Sanitation Requirements**

### Your Curtis ADS System is Factory Pre-Set and Ready to Go... Right from the Carton.

Following are the Factory Settings for your ALPHA™ GT  
Coffee Brewing Systems:

- **Brew Temperature = 200°F**
- **Brew Volume = Set to dispensing vessel requirements (60 oz)**
- **Warmer Setting on HIGH with Quality Timer OFF**

Generally there will never be a reason to change your ADS 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 (Minimum Flow Rate of 1 GPM)
- **Electrical:** See attached schematic for standard model or visit [www.wilburcurtis.com](http://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

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.



The National Sanitation Foundation requires the following water connection:

1. 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.
2. In some areas an approved backflow prevention device may be required between the brewer and water supply.

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 1.0 GPM.
2. 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 ADS Systems there is no danger of element burnout caused by an empty tank.
4. The heating tank will require 20 to 30 minutes to reach operating temperature (200°F) as indicated by the READY-TO-BREW indicator light.
5. Prior to brewing, dispense 12 ounces of hot water through the hot water faucet.
6. Brew a cycle of at least 12 ounces, to purge the water lines of any air that may be trapped after filling.

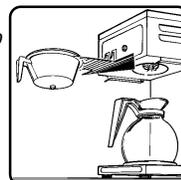
### BREWING INSTRUCTIONS

1. Brewer should be ON (Confirm at rear toggle switch, then press ON/OFF button). Ready-to-Brew should be displayed.
2. Place empty decanter (not included with Alpha brewer) on warmer plate.
3. Place a new filter in brewcone.

4. Pour ground coffee into brewcone.



5. Position brewcone into brew rails.



6. Press Brew button.

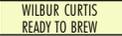


## Your Curtis ADS System is Factory Pre-Set for Optimum Performance.

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 . After three seconds,  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.

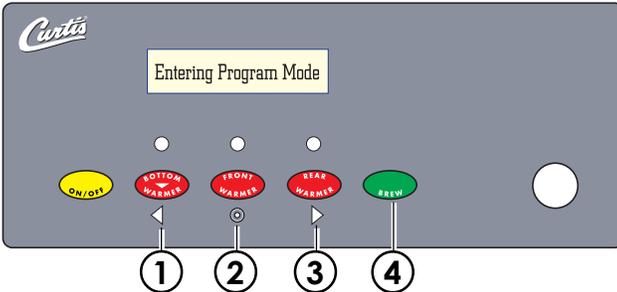
Control will display  when temperature reaches the setpoint (200°F). Unit is now ready to brew.

## 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 , wait until  is displayed Enter the 4-digit access code, the digits 1-4 correspond to the buttons (see illustration below).

The default code set at the factory is 1-2-3-4. Then  will be displayed.



All programming selections are performed with the three center buttons. The symbols below the buttons are:

- ◀ Scroll LEFT
- ⊙ SELECTION or ENTER to save new parameter
- ▶ Scroll RIGHT

**Exit** Press ⊙ to select, exits program mode and returns unit to operation.



**Model Select – 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 ALPHA-1, ALPHA-2 or ALPHA-3/4/5.**

## PROGRAM MENUS



During actual brew cycle a 2-minute drip mode is added to the brew time. The programmed water level compensates for back to back brewing in Delta 3 to allow for an increase of water volume.

### Brew Volume (Factory set to 60 oz.)

Selecting **Brew by Volume** or **Brew by Time** depends on whether you know your brew time before starting.

From Program Menu press > display will now show the next feature.

**Brew by Volume:** Press ⊙ to Select, Display will now show Push START To Begin... Press the **BREW** button then hot water starts running, when desired 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.

Next item in the sequence is **Brew by Time**. Press ⊙ to Select to change the brew time. Display will now show the current time. By pressing < or > you can toggle back and forth from minutes to seconds to exit (ex). Change the time or set and exit by pressing ⊙.

### Temperature (Factory set to 200°F)

Press ⊙ to Select. Press < or > to move to desired temperature and then ⊙ to set. Temperature is programmable from 170°F to 204°F in 2-degree increments.

### Energy Save Mode (Factory set to OFF)

Press ⊙ to Select, < or > 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 brew cycles. Press **ex** or Reset

### Pre-Infusion (Factory set to OFF)

Press ⊙ to Select. Current setting in seconds is displayed < 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 is disappears from the list of program selections. When Pre-infusion is ON, Pulse Brew disappears from the list of program selections.

### Brew Count Total

Press ⊙ to Select, Shows total gallons and total brew cycles on the unit. Not resettable.

### Cold Brew Lock . . . (Factory set to OFF)

Press ⊙ to select, < or > to select desired setting (CBL 5, 15 or OFF), ⊙ to set.

The Cold Brew Lock feature allows the brewer to brew at three different temperature levels from the actual set point. The first setting is within 5 degrees of set point, next is within 15 degrees of set point, OFF is within 30 degrees of set point for the Ready to Brew message, however it will brew at any temperature. This feature will operate after initialization to set temperature after the rear standby toggle switch is reset to ON.

### Master Reset

Press ⊙ to display **Are You Sure?**

Then < for **Yes**, > for **No**.

Brewer factory defaults are then reset.

### Service Call (Phone number Factory set to [800] 995-0417)

Press ⊙ to display number and change number or < to move place and **EX** to exit when complete This number will be displayed during a Heating system **SENSOR ERROR** or during a **WATER ERROR**.

### Access Code (Factory set to 1-2-3-4)

Press ⊙ to display number and change number, (the number can be change 1 to 4) or < to move place and **ex** to exit when complete.

### Banner Name (Factory set to WILBUR CURTIS)

Press ⊙ to display letters and change letters or < to move place and **EX** to exit when complete

This feature allows up to 14 letters to be programmed for company name or regional name. Programming all blanks disables Banner Name. If programmed, Banner Name is displayed every 5 sec. on and off.

### Warmers Auto OFF (Factory set to Disable)

Press ⊙ to Select. Press < or > to move to desired time and then ⊙ to set. Timer is programmable from 2 to 4 hours in one hour increments or OFF.

### P-Maintenance (Factory set to OFF)

Press ⊙ to Select, Set gallons brewed to indicate P-Maintenance. Press < or > to adjust from Off to 3000 gallons. Press ⊙ to exit.

### Beeper On/Off (Factory set to ON)

Press ⊙ to display ON or OFF. Pressing either < or > toggles between on and off. ⊙ to set.

**Pulse Brew (Factory setting OFF)**

Press **⊙** to select, < or > to select OFF or one of four pulse patterns (A to D).

Guidelines for Pulse Brew:

This feature allows tuning of the coffee flavor. This option should only be used with the standard Gray or Purple AFS sprayheads. The pot level should always be set first with this option OFF. Depending on your grind profile and water conditions, the three Pulse Brew options help "tune" or change the coffee flavor. Filter Pack type coffees typically extract better with the A and B pulse setting. Decaffeinated coffees typically extract better with the B pulse setting. High-Yield coffees typically extract better with the C pulse setting. Of course, any of the A, B or C settings may be used to suit your taste profile.

**IMPORTANT** If Pulse Brew is selected (ON), Cold Brew Lock is set to Delta 1 within 5°F of set point and Cold Brew Lock disappears from the list of program selections.  
When Pulse Brew is ON, Pre-infusion disappears from the list of program selections.

**Model Select**

Press **⊙** to select, < or > to select model. The selections are: ALPHA-1, ALPHA-2, ALPHA-3/4/5, Airpot Brewer, Thermo-Alpha. For the TA60GT. Press **⊙** to set. This will reset all settings to the new model defaults.

**Exit**

Press **⊙** to select, exits program mode and returns unit to operation.

**Warmer Temperature Control**

Turn on brewer at the control panel ON/OFF button. Warmer button should be OFF (LED off). Press and hold desired WARMER button. Screen will display current setting in % of power. Press < or > to increase or decrease power to warmer (50% to 100% in 10% increments). Press **⊙** to set.

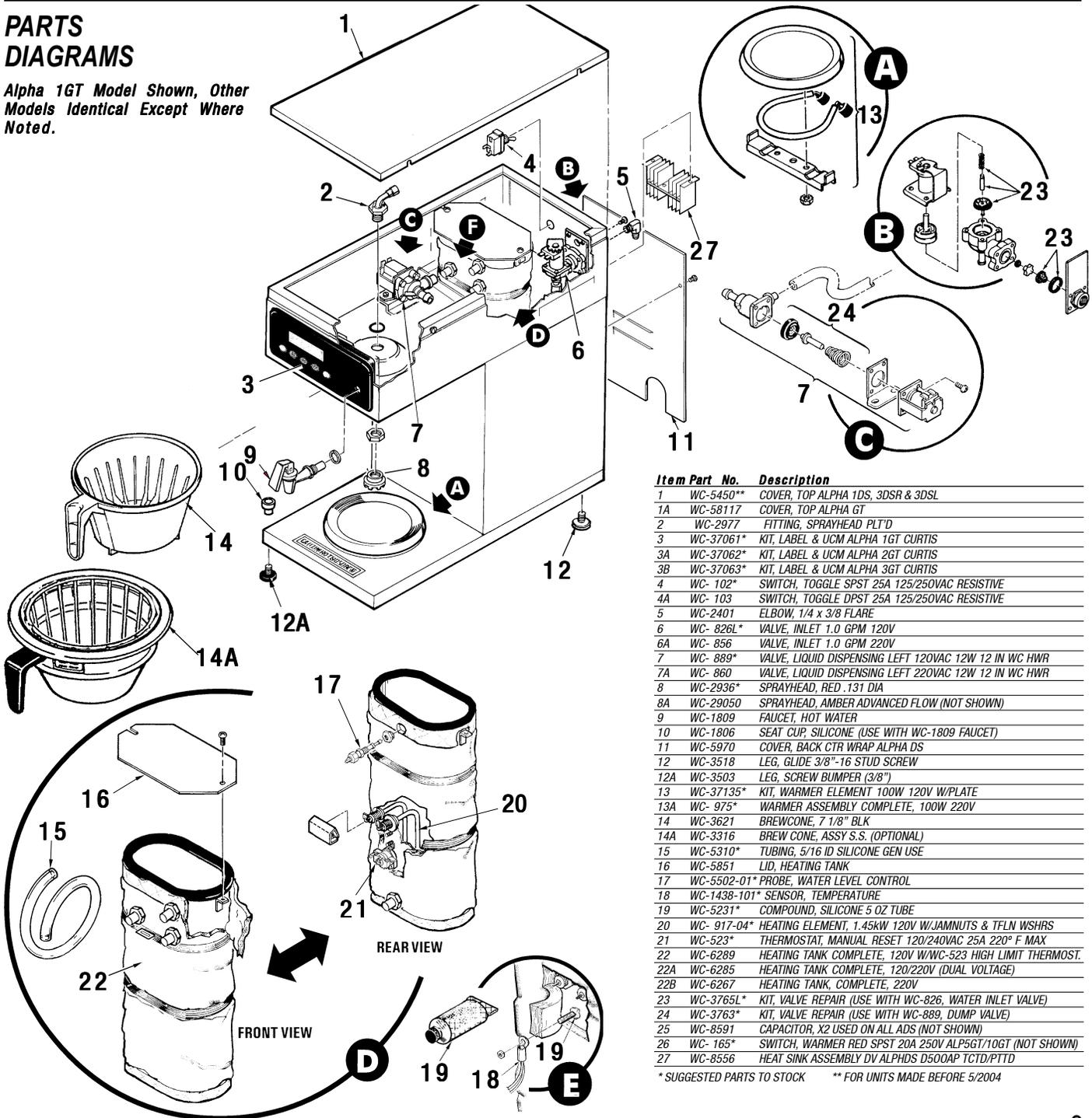
**Tank Temperature Check**

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

**NOTE:** Alpha 3GT ONLY: when checking tank temperature, first make sure REAR warmer is ON (red LED on) and then press **Ⓟ** for 5 seconds to display tank temperature.

**PARTS DIAGRAMS**

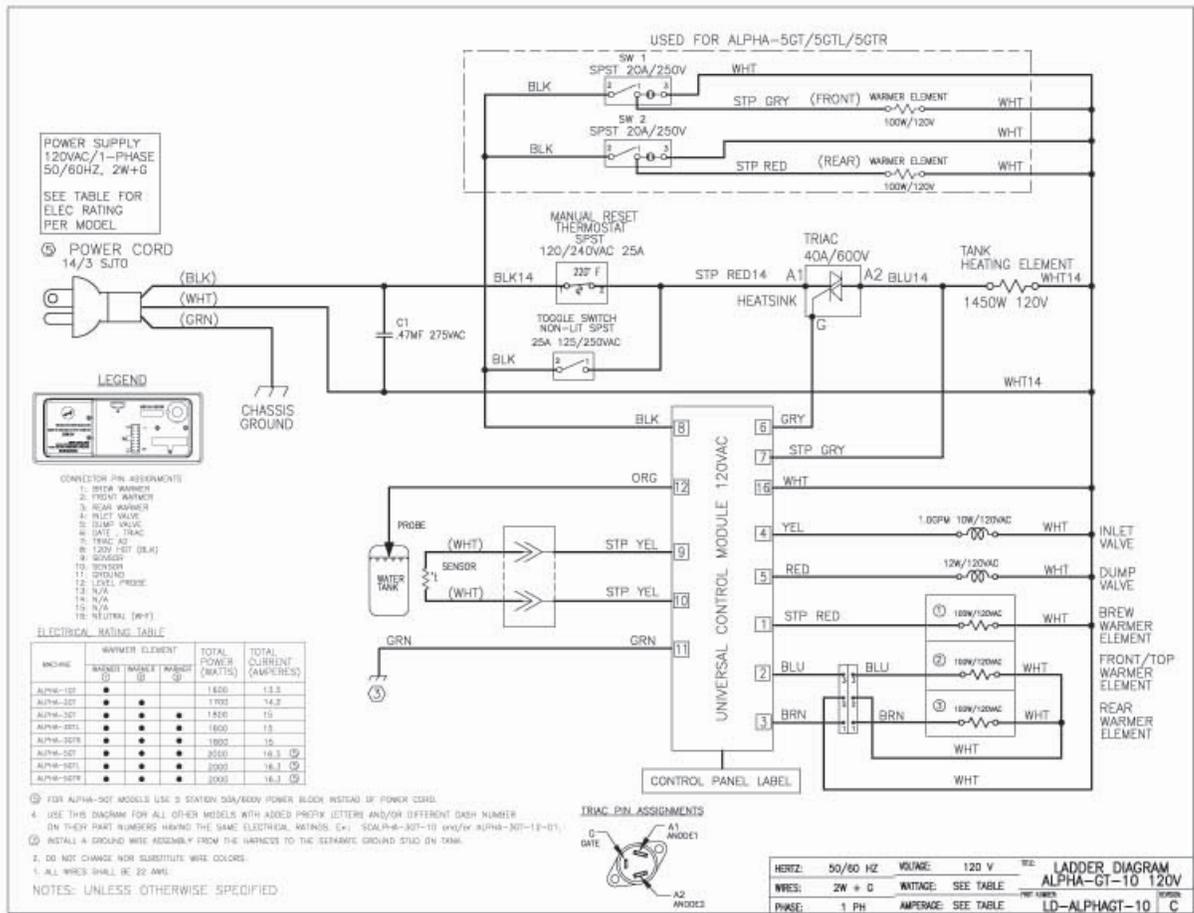
Alpha 1GT Model Shown, Other Models Identical Except Where Noted.



Item	Part No.	Description
1	WC-5450**	COVER, TOP ALPHA 1DS, 3DSR & 3DSL
1A	WC-58117	COVER, TOP ALPHA GT
2	WC-2977	FITTING, SPRAYHEAD PLT'D
3	WC-37061*	KIT, LABEL & UCM ALPHA 1GT CURTIS
3A	WC-37062*	KIT, LABEL & UCM ALPHA 2GT CURTIS
3B	WC-37063*	KIT, LABEL & UCM ALPHA 3GT CURTIS
4	WC-102*	SWITCH, TOGGLE SPST 25A 125/250VAC RESISTIVE
4A	WC-103	SWITCH, TOGGLE DPST 25A 125/250VAC RESISTIVE
5	WC-2401	ELBOW, 1/4 x 3/8 FLARE
6	WC-826L*	VALVE, INLET 1.0 GPM 120V
6A	WC-856	VALVE, INLET 1.0 GPM 220V
7	WC-889*	VALVE, LIQUID DISPENSING LEFT 120VAC 12W 12 IN WC HWR
7A	WC-860	VALVE, LIQUID DISPENSING LEFT 220VAC 12W 12 IN WC HWR
8	WC-2936*	SPRAYHEAD, RED, 131 DIA
8A	WC-29050	SPRAYHEAD, AMBER ADVANCED FLOW (NOT SHOWN)
9	WC-1809	FAUCET, HOT WATER
10	WC-1806	SEAT CUP, SILICONE (USE WITH WC-1809 FAUCET)
11	WC-5970	COVER, BACK CTR WRAP ALPHA DS
12	WC-3518	LEG, GLIDE 3/8"-16 STUD SCREW
12A	WC-3503	LEG, SCREW BUMPER (3/8")
13	WC-37135*	KIT, WARMER ELEMENT 100W 120V W/PLATE
13A	WC-975*	WARMER ASSEMBLY COMPLETE, 100W 220V
14	WC-3621	BREW/CONE, 7 1/8" BLK
14A	WC-3316	BREW/CONE, ASSY S.S. (OPTIONAL)
15	WC-5310*	TUBING, 5/16 ID SILICONE GEN USE
16	WC-5851	LID, HEATING TANK
17	WC-5502-01*	PROBE, WATER LEVEL CONTROL
18	WC-1438-101*	SENSOR, TEMPERATURE
19	WC-5231*	COMPOUNUD, SILICONE 5 OZ TUBE
20	WC-917-04*	HEATING ELEMENT, 1.45kW 120V W/JAMNUTS & TFLN WSHRS
21	WC-523*	THERMOSTAT, MANUAL RESET 120/240VAC 25A 220° F MAX
22	WC-6289	HEATING TANK COMPLETE, 120V W/WC-523 HIGH LIMIT THERMOST.
22A	WC-6285	HEATING TANK COMPLETE, 120/220V (DUAL VOLTAGE)
22B	WC-6267	HEATING TANK, COMPLETE, 220V
23	WC-3765L*	KIT, VALVE REPAIR (USE WITH WC-826, WATER INLET VALVE)
24	WC-3763*	KIT, VALVE REPAIR (USE WITH WC-889, DUMP VALVE)
25	WC-8591	CAPACITOR, X2 USED ON ALL ADS (NOT SHOWN)
26	WC-165*	SWITCH, WARMER RED SPST 20A 250V ALP5GT/10GT (NOT SHOWN)
27	WC-8556	HEAT SINK ASSEMBLY DV ALPHDS D500AP TCTD/PTTD

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

# ELECTRICAL SCHEMATIC



## 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](http://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.
- 2) **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.
- 5) **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.
- 7) **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, "O" 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.