



TLP Brewer Instructions

Important Safeguards/Conventions

Revised: April, 2002

MODELS INCLUDED

- TLP10
- TLP15
- TLP20
- TLP30*
- TLP61

* NOT UL LISTED

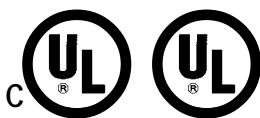
CAUTION: Please use this setup procedure before attempting to use this brewer. Failure to follow the instructions can result in injury or the voiding of the warranty.

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

IMPORTANT: This equipment is to be installed to comply with the applicable federal, state, or local plumbing and electrical codes having jurisdiction.

WARNING: To avoid scalding, do NOT remove brew cone while brew indicator light is flashing.

IMPORTANT: The brew cycle is adjusted at the factory to fill a standard 2.5 liter airpot with 2.2 liters of brewed coffee. The duration of the brew cycle is set between 2 minutes, 40 seconds and 3 minutes.



ISO 9001 REGISTERED

WILBUR CURTIS COMPANY
Montebello, CA 90640

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 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

SYSTEM REQUIREMENTS

- **Water Source:** 20 - 100 PSI (Minimum Flow Rate of 1 GPM)
- **Electrical:** See attached schematic for your model.

Setup Steps

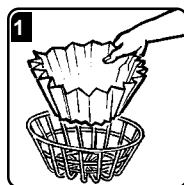
The unit should be level (left to right and front to back), located on a solid counter top. Connect a water line from the water filter to the brewer. (NOTE: Some type of water filtration device must be used to maintain a trouble-free operation). In areas with extremely hard water, we suggest that a sedimentary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

The National Sanitation Foundation requires the following water connection:

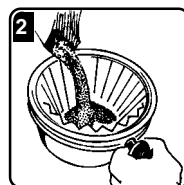
1. A quick disconnect or additional coiled tubing (at least 2x the depth of the unit) so that the machine can be moved for cleaning underneath.
2. In some areas an approved backflow prevention device may be required between the brewer and the water supply. (Check local plumbing codes).

1. A ¼ flare water inlet fitting 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. Turn on the control panel by pressing the ON/OFF button.
5. The heating tank will require 20 to 30 minutes to reach operating temperature (200°F) as indicated by the READY-TO-BREW indicator.
6. Prior to brewing, dispense 12 ounces of hot water through the hot water faucet.
7. Run brew cycle of at least 16 ounces to purge the water line of any air trapped in the lines after filling.

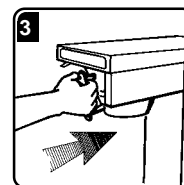
BREWING COFFEE



1. Place airpot in position, under the sprayhead. Place a new filter in the brew cone.



2. Pour ground coffee into the brewbasket.



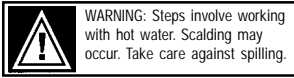
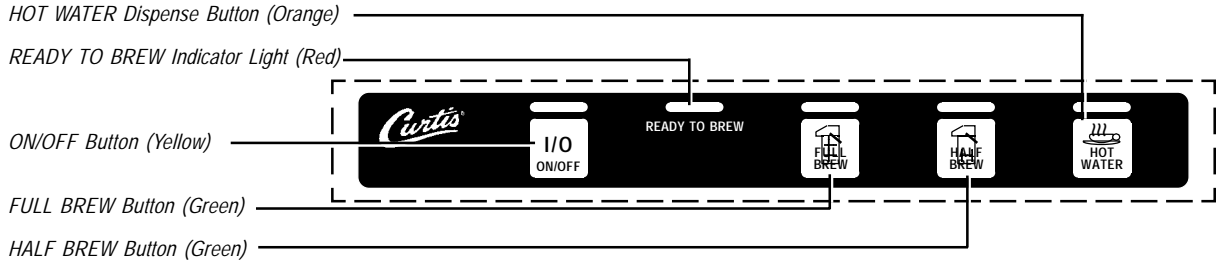
3. Slide the brew cone into position on brew rails.



4. Wait until the READY-TO-BREW light comes on and then press the desired BREW button. The indicator light above the selected brew will begin flashing when the brew cycle starts.

STEPS TO PROGRAMMING

Your Curtis ADS System is Factory Pre-Set for Optimum Performance. Generally, There Will Not be a Need to Change Programming.



WARNING: Steps involve working with hot water. Scalding may occur. Take care against spilling.

Changing the ADS System Program

Your ADS System features a dynamic memory. In the event of a power loss, it will remember ALL program settings.

Brew Temperature – Factory Pre-Set to 200°F

Function to set brew temperature, 170° to 204°F. Brew temperature will be indicated by READY-TO-BREW light blinking.

ENTERING THE PROGRAM MODE #1

For ALL functions you must first enter the programming mode.

- Turn OFF the power from the Control Panel by pressing .
- Press and HOLD and press and RELEASE .
- Continue HOLDING until starts blinking; RELEASE.

CONFIRM/RESET BREW TEMPERATURE - Factory Preset to 200°

ENTER THE PROGRAMMING MODE #1:

- Press for two seconds, then RELEASE.

will start blinking. Each blink equals 2° F, starting at 170° (max. temp. 204° F or 18 blinks).

- To change Temperature, press and HOLD .

will start QUICK flashing. Each QUICK flash equals 2° F. After reaching 204°, temperature starts over at 170°.

- RELEASE when the desired temperature is reached (new temp. will now be displayed).

To set and exit, press .

Brew Volume - Factory Pre-set Full Brew to 2.2 Liters

The Half Brew button is always half of the brewtime of the setting of the Full Brew button. You cannot program the Half Brew. Change the brew volume of your ADS System by following these steps.



Before changing the brew volume, wait until unit reaches brew temperature (Ready to Brew light comes on), insert the brewcone into place on the brewer, then place a measuring container centered beneath the brewcone.



(When programming the brewer for volume, it is important to realize that after you program the unit, it must reach full brew temperature before it will allow you to brew.)

CHANGE BREW VOLUME

ENTER THE PROGRAMMING MODE #1 (Be sure to have brewcone & airtop in position).

- Press and HOLD until hot water starts running from sprayhead; then RELEASE.
- When desired volume is reached, press again to stop flow.
- To set and exit, press .

BREW CYCLE COUNTER

ENTER THE PROGRAM MODE #2

- Turn OFF the power from the Control Panel by pressing .
- Press and HOLD and press and RELEASE .
- Continue HOLDING until STOPS blinking; RELEASE.

TO ACCESS BREW CYCLE COUNTER

ENTER THE PROGRAMMING MODE #2:

- will now start a pattern of LONG and SHORT blinks.

This pattern identifies the number of brew cycles. SHORT blinks indicate the brew number from one [1] to nine [9]. LONG blinks separate the 1's, 10's, 1,000's and 10,000's.

LOW TEMPERATURE BREW LOCKOUT (Delta) - Factory Preset to Delta 3

DELTA 1 (this is factory setting) allows you to brew within 5 degrees from set temperature. This provides for consistent brew temperature and consistent water density. If Delta 1 is used, run half brew first, discard water. Program to ½" below collar of airtop (one small finger width).

DELTA 2 allows you to brew within 10 degrees from set temperature. If Delta 2 is used, run half brew first and discard water. Program to ¾" below collar of airtop (between one and two small finger widths).

DELTA 3 will allow you to brew at any temperature. Back to back brewing is only possible in this mode (120V). If Delta 3 is used, run half brew first and discard water. Program to 1" below collar of airtop (two small finger widths). The brew cone must be empty without a filter. This will ensure proper operation at all brew rates.

During back to back brew cycles the water temperature in the tank will start to drop, as these brew cycles increase the water gets cooler. With cooler water in the tank the density changes and the flow rate will increase. Typically an increased flow rate may translate into a maximum increase of 4 ounces in the airtop.

ENTER THE PROGRAM MODE #3

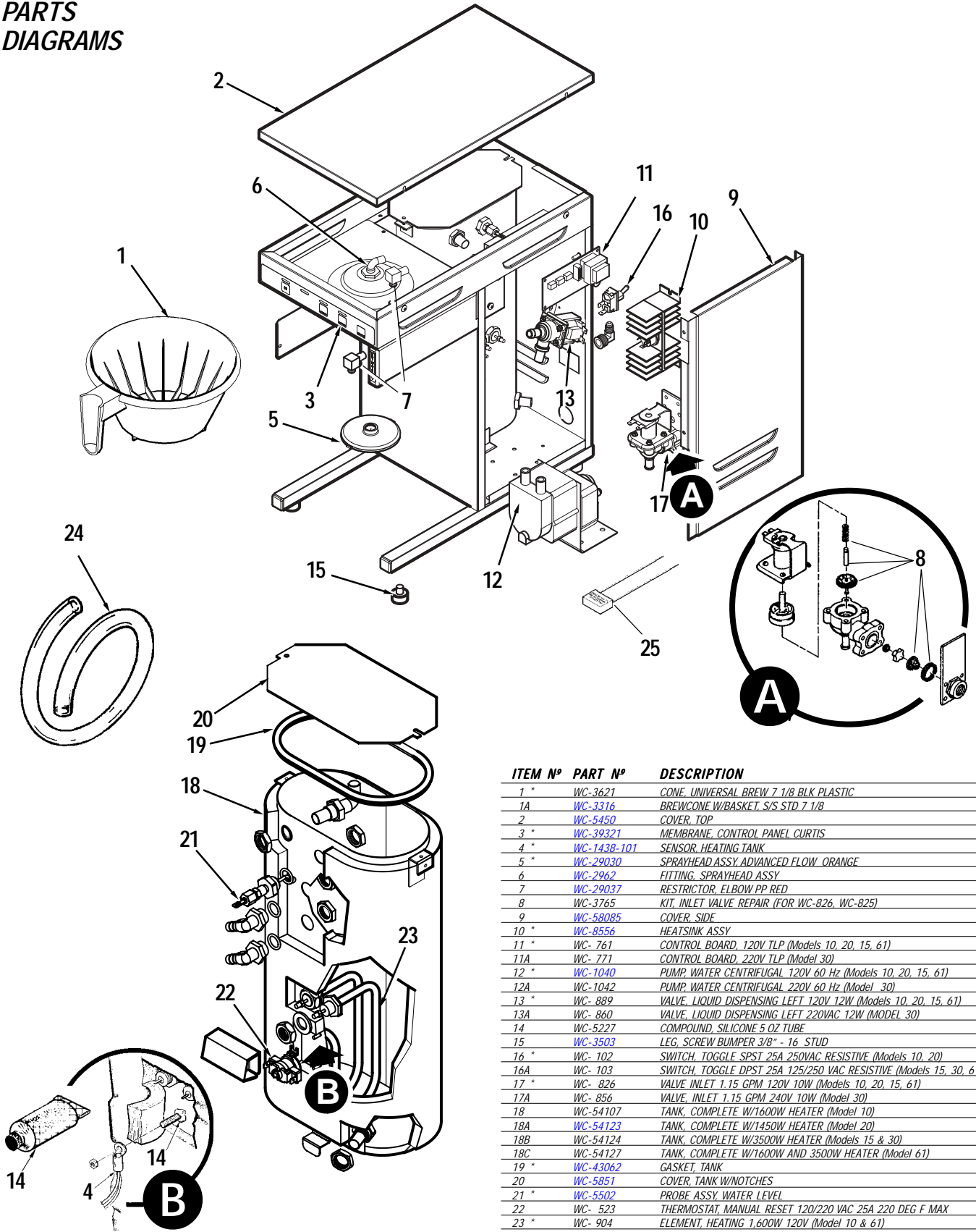
- Turn OFF the power from the Control Panel by pressing .
- Press and HOLD and press and RELEASE .
- Continue HOLDING until STOPS blinking and remains on, then RELEASE.
- will now blink a pattern of flashes from one to three.

CHANGING THE DELTA FEATURE

ENTER THE PROGRAMMING MODE #3:

- Press and HOLD until shows one quick flash, then RELEASE. You have now added a blink to your blinking light pattern.
- By pressing and holding you add another blink.

PARTS DIAGRAMS



ITEM N°	PART N°	DESCRIPTION
1 *	WC-3621	CONE, UNIVERSAL BREW 7 1/8 BLK PLASTIC
1A	WC-3316	BREWCONE W/BASKET, S/S STD 7 1/8
2	WC-5450	COVER, TOP
3 *	WC-39321	MEMBRANE, CONTROL PANEL CURTIS
4 *	WC-1438-101	SENSOR, HEATING TANK
5 *	WC-29030	SPRAYHEAD ASSY, ADVANCED FLOW, ORANGE
6	WC-2962	FITTING, SPRAYHEAD ASSY
7	WC-29037	RESTRICTOR, ELBOW PP RED
8	WC-3765	KIT, INLET VALVE REPAIR (FOR WC-826, WC-825)
9	WC-58085	COVER, SIDE
10 *	WC-8556	HEATSINK ASSY
11 *	WC- 761	CONTROL BOARD, 120V TLP (Models 10, 20, 15, 61)
11A	WC- 771	CONTROL BOARD, 220V TLP (Model 30)
12 *	WC-1040	PUMP, WATER CENTRIFUGAL 120V 60 Hz (Models 10, 20, 15, 61)
12A	WC-1042	PUMP, WATER CENTRIFUGAL 220V 60 Hz (Model 30)
13 *	WC- 889	VALVE, LIQUID DISPENSING LEFT 120V 12W (Models 10, 20, 15, 61)
13A	WC- 860	VALVE, LIQUID DISPENSING LEFT 220VAC 12W (MODEL 30)
14	WC-5227	COMPOUND, SILICONE 5 OZ TUBE
15	WC-3503	LEG, SCREW BUMPER 3/8" - 16 STUD
16 *	WC- 102	SWITCH, TOGGLE SPST 25A 250VAC RESISTIVE (Models 10, 20)
16A	WC- 103	SWITCH, TOGGLE DPST 25A 125/250 VAC RESISTIVE (Models 15, 30, 61)
17 *	WC- 826	VALVE INLET 1.15 GPM 120V 10W (Models 10, 20, 15, 61)
17A	WC- 856	VALVE, INLET 1.15 GPM 240V 10W (Model 30)
18	WC-54107	TANK, COMPLETE W/1600W HEATER (Model 10)
18A	WC-54123	TANK, COMPLETE W/1450W HEATER (Model 20)
18B	WC-54124	TANK, COMPLETE W/3500W HEATER (Models 15 & 30)
18C	WC-54127	TANK, COMPLETE W/1600W AND 3500W HEATER (Model 61)
19 *	WC-43062	GASKET, TANK
20	WC-5851	COVER, TANK W/NOTCHES
21 *	WC-5502	PROBE ASSY, WATER LEVEL
22	WC- 523	THERMOSTAT, MANUAL RESET 120/220 VAC 25A 220 DEG F MAX
23 *	WC- 904	ELEMENT, HEATING 1,600W 120V (Model 10 & 61)
23A	WC- 917	ELEMENT, HEATING 1,450W 120V (Model 20)
23B	WC- 922	ELEMENT, HEATING 3,500W 220V (Models 15, 30 & 61)
24 *	WC-5310	TUBE, 5/16 ID x 1/8W SILICONE
25 *	WC-8591	CAPACITOR, X2

* Suggested Parts List

