

MODELS INCLUDED

- Gem-230A

 **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.

WILBUR CURTIS COMPANY, INC.



Gem-230A Satellite Brewer Instructions

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 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 Gemini System is Factory Pre-Set and Ready to Go... Right from the Carton.

Following are the Factory Settings for Gem-230A:

- Brew Temperature = 202°F
- Water Bypass = 35%
- Brew Volume = Set to 1½ gallons for Gem-230A.

System Requirements:

- Water Source 20 – 100 PSI (Minimum Flow Rate of 1 GPM)
- Electrical: See attached schematic for standard model or visit www.wilburcurtis.com 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.) 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 the water supply.

1. A 3/8" NPT x 1/4" Flare elbow is 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. Remove the top cover. Make sure the primary thermostat, Index N° 4 in parts list, is turned off.
4. Open the water supply valve.
5. Turn on the main breaker. Turn on power at the toggle switch behind the brewer. At this time water will start to flow into the heating tank.
6. Turn on power at the ON/OFF switch on the front switch panel. This will energize the controls and the switches will light up.
7. Place a clean Satellite on the warmer deck and push the warmer switch to the on position to preheat the Satellite.
8. When the heating elements are covered with water, turn the primary thermostat on (twist the stem clockwise as far as it will turn).
9. Replace the heating tank lid and top cover on the brewer.
Allow 15 minutes for the water in the tank to reach brewing temperature (202° F). After the initial warm-up, recovery is instantaneous. You may brew continuously.

CLEANING

Using a daily routine of cleaning the external parts of the Gemini 230A brewing system will maintain it's appearance and ensure great tasting coffee.

1. Wipe off any spills, dust or debris from the exterior surfaces.
2. Clean the outside covering of the brewer and satellite with stainless steel polish. Coarser agents may scratch the machine.
3. Slide out the brew cone and rinse it thoroughly with clean water.
4. Remove the sprayhead and clean it. Clean around the dome area, wiping with a non toxic cleaner.
5. Clean the brew cone rails with a damp cloth or brush. Dry thoroughly with clean cloth.



ISO 9001 REGISTERED

WILBUR CURTIS COMPANY
Montebello, CA 90640

CARE AND MAINTENANCE



CAUTION: Do not use cleansers, bleach liquids, or powders that contain chlorine. These products cause corrosion and pitting to stainless steel and will void the warranty.

Regular maintenance is essential in keeping your GEMINI system looking and working like new.

1. Remove the sprayhead (index N° 14) from brewer and clean it once a week or more often in heavy lime areas.
2. Clean faucet seat cups on the GEM-3 Satellite twice a week and replace when cracked or leaking.
3. Remove hot water spout aerator from the hot water spout and clean it at least once a week.
4. Periodic temperature checks in the water tank. If too low, thermostat should be adjusted by a qualified technician.
5. The inside of the heating tank should be de-limed at least every six months, especially in heavy lime area.

BREWING INSTRUCTIONS



WARNING: HOT, allow brew-cone to drain before removing.

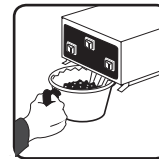
1. Brewer should be ON (Confirm at rear toggle switch, then press the ON/OFF button).
 2. Place an empty Satellite on the warmer deck, under the brewcone. Press the warmer switch to preheat the Satellite for 10 minutes.
- NOTE** – The indicator light will come on and remain lit during the brewing cycle to indicate the particular side of the brewer that is in operation.



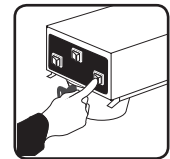
3. Place a clean filter into the brewcone.



4. Fill brewcone with ground coffee.

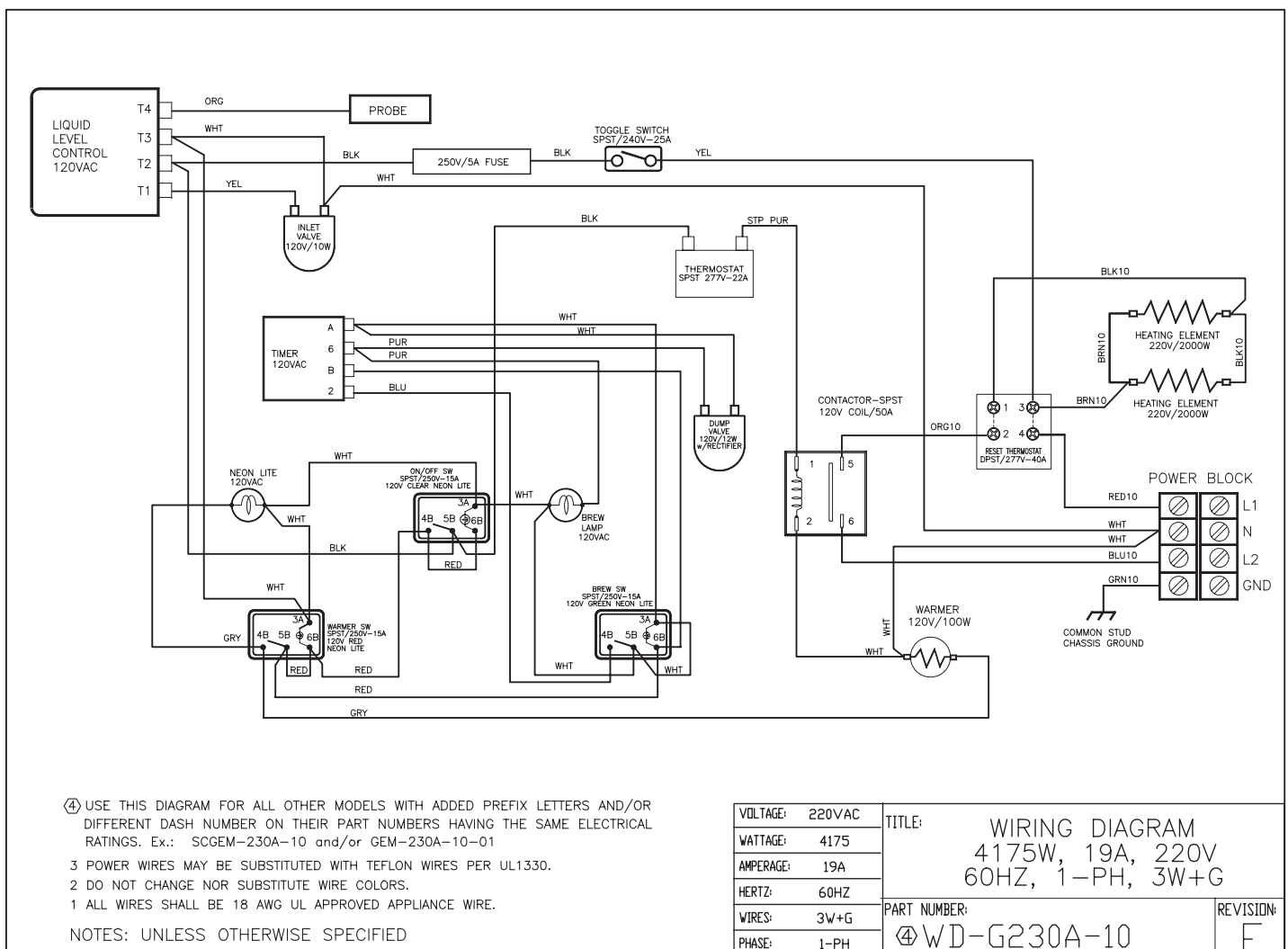


5. Transfer filled brewcone to brewer.



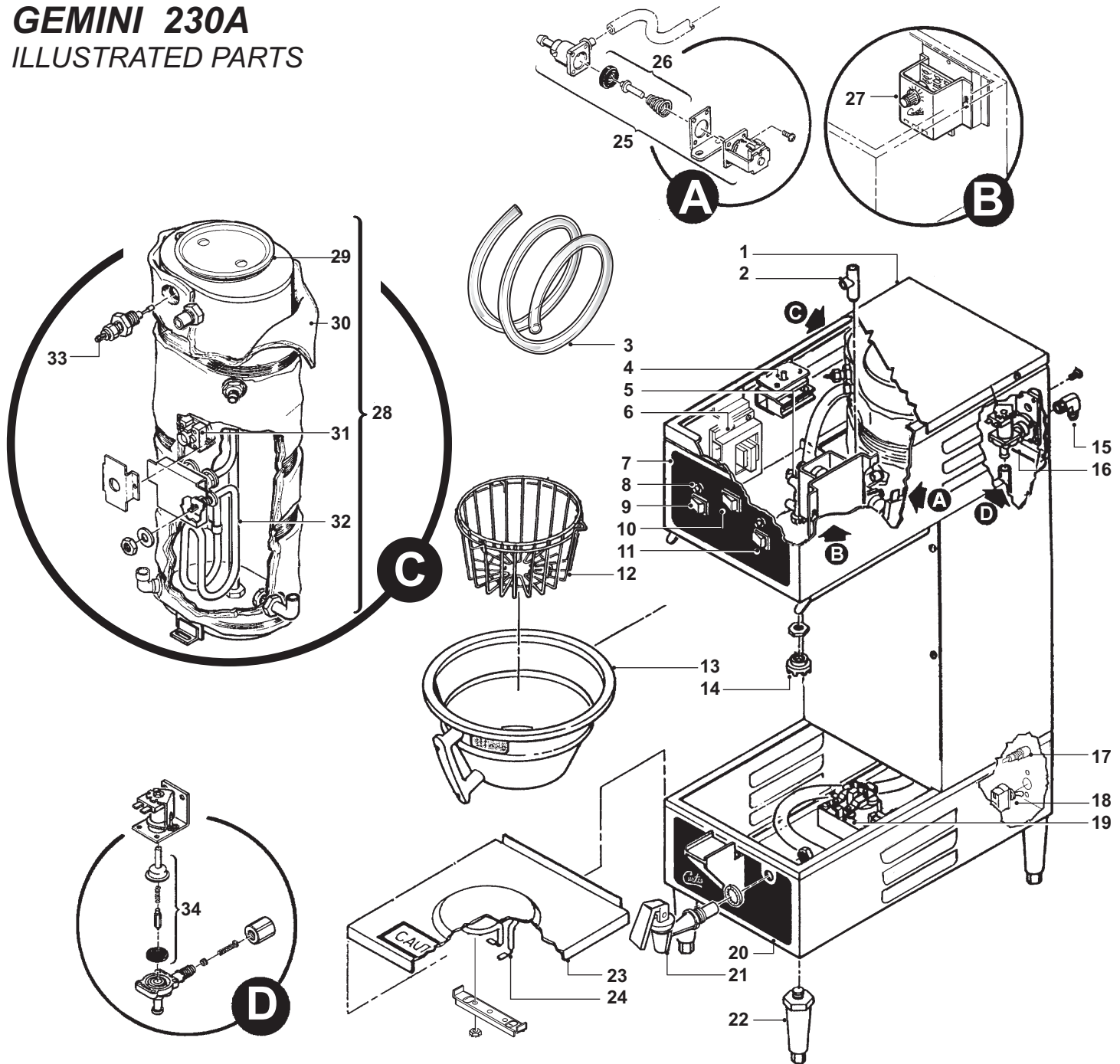
6. Press BREW button to start brew cycle.

ELECTRICAL SCHEMATIC



GEMINI 230A

ILLUSTRATED PARTS



ITEM N°	PART N°	DESCRIPTION
1	WC-5450	COVER, TOP
2	WC-37098	KIT, BY-PASS GEN USE
3	WC-5310*	TUBE, 5/16" ID SILICONE
4	WC- 517*	THERMOSTAT
5	WC-3785	KIT, SPRAYHEAD GEM-12/230A
6	WC- 608*	WATER LEVEL CONTROL 120V
7	WC-3921-01	LABEL, TOP GEM-230A
8	WC- 200*	LIGHT, INDICATOR W/TNRMN CLIP 120V
9	WC- 123*	SWITCH, ROCKER RED SPST 250V 15A
10	WC- 121*	SWITCH, ON/OFF CLEAR SPST 250V 15A
11	WC- 122*	SWITCH, BREW GREEN SPST 250V 15A
12	WC-3301	BASKET, WIRE 7" DIA BREW
13	WC-3357	BREWCONE ASSEMBLY COMPLETE
14	WC-2906*	SPRAYHEAD, BLUE (.178")
15	WC-2401	ELBOW, 3/8" NPT x 1/4" FLARE
16	WC- 827*	VALVE, INLET .75GPM 120V 10W
17	WC-1501	FUSE HOLDER ASSEMBLY W/5A FUSE
18	WC-102	SWITCH, TOGGLE NON-LIT SPST 125-250V

ITEM N°	PART N°	DESCRIPTION
19	WC- 400R	RELAY, SPST 120V COIL 50A
20	WC-3921B-01	LABEL, BOTTOM PANEL
21	WC-1809*	FAUCET, HOT WATER PS/HPS SERIES
22	WC-3500	LEG, 4" ADJUSTABLE
23	WC-5451	DECK WARMER SS
24	WC-37102*	KIT, WARMER ELEMENT 100W 120V
25	WC-817*	VALVE, DUMP RT 120V 10W W/RECTIFIER
26	WC-3763*	KIT, DUMP VALVE REPAIR
27	WC- 604*	TIMER, BREW 1-8 MINUTES
28	WC-6272	TANK COMPLETE, 2KW 220V
29	WC-37008	KIT, TANK LID ROUND
30	WC-3691	INSULATION, HEATING TANK
31	WC- 522*	THERMOSTAT, HI-LIMIT HEATER CONTROL
32	WC- 906-04*	HEATING ELMNT, 2KW 220V W/NUT/WSHR
33	WC-5502-01*	PROBE ASSY, WATER LEVEL
34	WC-3765L*	KIT, INLET VALVE REPAIR

* RECOMMENDED PARTS TO STOCK

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.*
- 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.
