

WILBUR CURTIS CO., INC. Service Manual – PCGT4 & PCGT5

Important Safeguards/Symbols

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

- DO NOT immerse the unit in water or any other liquid
- To reduce the risk of fire or electric shock. DO NOT open service panels. There are no user serviceable parts inside.
- Keep hands and other items away from hot areas of the unit during operation.
- · Never clean with scouring powders or harsh chemicals.

Symbols

WARNINGS - To help avoid personal injury

Important Notes/Cautions - from the factory



Your Curtis G3 System is Factory Pre-Set and Ready to Go, Right from the Box. Following are the Factory Settings for your Primo Cappuccino Beverage System:

- Tank Temperature = 190°F
- Flavor Controls= Set at 60%
- Dispensing Mode Set for Manual Dispensing

Generally there will never be a reason to change your G3 programming. However, should you need to make slight adjustments to meet your dispensing needs, programming instructions are provided later in this manual.

System Requirements:

- Water Source 20 90 PSI (Minimum Flow Rate of 1 GPM)
- · Electrical: See electrical schematic on page 7.

SETUP STEPS

NSE

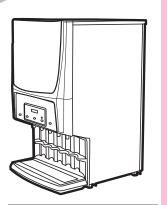
- 1. The unit should be level (left to right front to back), on a secure surface.
- 2. Connect the water line to the water inlet fitting on the rear of the unit. Water volume going to the machine should be consistent. Use tubing sized sufficiently to provide a minimum flow rate of one gallon per minute.

NOTE: A water filtration system must be used to help maintain trouble-free operation. Air must be purged from the cartridge prior to connection to equipment. In areas with extremely hard water, we highly recommend the use of a Curtis approved water filter. For our full line of filters, please log on to www.wilburcurtis.com.

NSF International 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. This equipment is to be installed with adequate backflow protection to comply with applicable federal, state and local codes...
- 3. Water pipe connections and fixtures directly connected to a potable water supply shall be sized, installed and maintained in accordance with federal, state, and local codes.
- 3. Plug the power cord into an electrical outlet rated at 20A.
- 4. Turn on power at the toggle switch behind the unit. The lights (display window and row of buttons) on the front door will activate and the heating tank will start to fill.
- 5. Water in the heating tank will require about one hour to reach operating temperature (factory setting of 190°F). At this time the LCD will display "READY TO DISPENSE".
- 6. Remove and fill the canisters with powdered cappuccino product.

FOR THE LATEST SPECIFICATIONS AND INFORMATION GO TO WWW.WILBURCURTIS.COM Technical support: 1-800-995-0417. M-F 5:30am-4:00pm PST.



Models Included

• PCGT4

PCGT5



must be installed to comply with applicable

federal, state, and local plumbing/ electrical codes having jurisdiction.



CAUTION: Follow this setup procedure before attempting to use this

unit. Failure to follow these instructions can result in injury and/or void of warranty.



CAUTION: DO NOT connect the unit to hot water The inlet valve is

not rated for hot water.

ISO 9001:2008 REGISTERED

WILBUR CURTIS CO., INC. 6913 Acco Street, Montebello, CA 90640-5403 For the latest information go to www.wilburcurtis.com Tel: 800/421-6150 Fax: 323/837-2410

Operating Instructions

- 1. Choose a flavor. Place your cup under the spout beneath the desired flavor.
- 2. Push and hold the dispensing button for this flavor.
- 3. Release the button when the cup is $\frac{3}{4}$ full.

FILL CANISTERS DAILY

- 1. Open the front door to access the product canisters.
- 2. The canisters must be removed from the unit for filling. Turn the powder delivery elbows clockwise, pointing upward. Pull all of the canisters from the canister tray.
- 3. Refill the canisters. The small canisters hold five pounds of product. Larger canisters hold 10 pounds each. See Configuration of Canisters on page 6.
- 3. Reposition the canisters on the canister tray. Properly mate the gear socket with the gear on the motor shaft when aligning canisters. Turn the elbows clockwise, pointing downward.

Cleaning the Curtis Primo Cappuccino GT Beverage Dispenser

CAUTION - Do not use cleansers, liquid bleach, powders or any other substance containing chlorine. These products promote corrosion and will pit the stainless steel. THE USE OF THESE PRODUCTS WILL VOID YOUR WARRANTY.

EVERY 3 - 4 HOURS OR MORE OFTEN IF NECESSARY Ι.

- A. Make sure power is ON.
- B. Place a container under the dispense spout to catch the rinse water.
- C. Locate the WASH button on the front control panel.
- D. Rinse each flavor by pressing and holding the WASH button, while at the same time pressing one of the PUSH dispensing buttons on the control panel.
- E. Continue holding the WASH button until the water running from the spout runs clear.

II. DAILY

- A. Switch OFF the unit at the power toggle switch, located behind the unit.
- B. Wipe all exterior surfaces with a damp cloth, removing any spills, residue or dust from the unit.
- C. Remove both the drip drawer and louvered screen; then wash out its contents. For hard to clean deposits, use a mild, nonabrasive detergent. Rinse with water.
- D. Wipe and clean the dispensing area with a mild detergent cleaner.

III. WEEKLY OR MORE OFTEN IF NECESSARY

- A. Clean the parts from the whipper assembly.
 - 1. Remove the dispensing nozzle from the whipper chamber. Clean the inside using a narrow brush.
 - 2. Remove the upper mixing cup. Pull cup forward, twist to the left and lift it to separate the upper mixing cup from the lower mixing cup.
 - 3. To remove the lower mixing cup, pull mixing cup up and forward to free it from the hot water inlet fitting.
 - 4. Remove the whipper chamber. Take hold of the whipper chamber. Turn it
 - clock wise to free it from the mounting plate.
 - 5. Pull the whipper propeller from the motor shaft.
 - 6. Wash, Rinse and Sanitize using a 3-sink method. Air dry all parts.
 - 7. Re-assemble cleaned parts onto the machine.

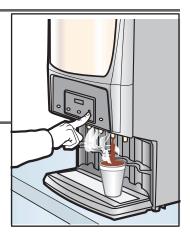
IMPORTANT - When replacing the propeller, make sure it is properly aligned and seated on the motor shaft. The propeller has an embossed 'D' to properly align it on the motor shaft.

Failure to properly seat the propeller will cause it to fuse with the whipper chamber. This condition will not be covered under warranty.

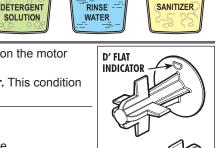
- 6. Clean the mounting plate.
 - a. Clean the shaft with a cloth and mild detergent before removing mounting plate.
 - b. Twist the mounting plate clockwise and pull it from the motor shaft.

IMPORTANT - Do not remove pillars to take off mounting plate.

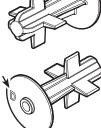
- c. Clean the area behind the mounting plate.
- d. Clean the water inlet fitting.
- e. Lubricate the center seal of the mounting plate before reinstalling.







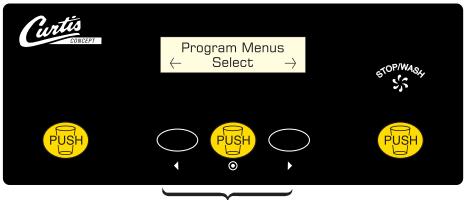
SOLUTION



Steps to Programming

Your Curtis Generation 3 cappuccino dispenser is Factory Pre-Set for Optimum Performance. Programming for all PCGT models is identical except where noted.

Entering the Programing Menus Press and hold STOP/WASH for about ten [10] seconds. Display will read Program Menus,(See Illustration).



PROGRAMMING CONTROL BUTTONS

Manual Dispense (Factory Set to Manual Dispense)

Press \odot or > to go to Manual Dispense Select.

Press \odot to go to Manual Dispense Select Station.

Choose the station and press, the display will read Saving Complete! To select another station for manual dispense, press ⊙ to go to Manual Dispense Select Station or press > to continue to the next menu.

Dispense By Time (Factory Setting OFF)

The next screen is Dispense By Time < Select >. Press ⊙ to select a station. Select the station and the screen will read To Begin Press Push. Press desired dispense button. Hot water will start to dispense and screen will display To Finish Press Push. When Push is pressed, time will be saved and you will exit back to Dispense by Time screen. Continue with additional selections or press > to continue to the next menu.

Temperature (Factory set at 190°F – Cold Cappuccino Units Set at 96°F)

Press \odot and screen will show Tank Temperature. Temperature is programmable from 80°F to 204°F in 2-degree increments. Press < or > to go up or down in degrees. Select desired temperature and then \odot to set. Press > to continue to the next menu.

Powder % Ratio (Factory set at 60%)

Press \odot and the screen will display Powder % Ratio Select Station. Press desired station. Powder ratio is programmable from 0% (Hot Water) to 100%, in 5% increments. Press < or > to increase or decrease ratio and then press \odot to set. Press > to continue to the next menu.

Valves should not be field adjusted to change product strength. Product strength adjustments should be done through programming on the front panel only.

Service Call (Factory Set to 1-800-000-0000 x0000)

Press \odot to display number and press \odot change number or > to move places and EX to exit when complete This number will be displayed during a Heating system SENSOR ERROR or a WATER ERROR. Press > to continue to the next menu.

Banner Name (Factory Set to Curtis)

Press \odot to display letters, press \odot to change letters or > to move places 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. Press > to continue to the next menu.

Model Select

Press \odot to select, < or > to select desired model (PC-1, -2, -3, -4, -5). Press \odot to set and exit program mode.

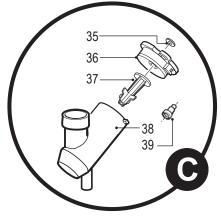
Exit

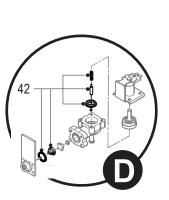
Press \odot to select, exits program mode and returns unit to operation.

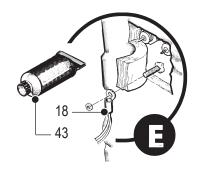
Parts List

	=				
ITEM N	[₽] PART №	DESCRIPTION	ITEM Nº	PART №	DESCRIPTION
1	WC-68159	COVER, TOP PCGT4/5	30	CA-1002-01	LID, CANISTER, 4/5LB CHAMFERED
2	WC-68167-101	DOOR COMPLETE PCGT-5	30A	WC-5664-05	LID, CANISTER, 10LB PCGT's
2A	WC-68167	DOOR COMPLETE PCGT-5 (OLDER VERSION)	31	CA-1047	AUGER, WIRE PCs & PCGTs
3	CA-1110-01	FILM, CURTIS LOGO PCGT-4/5	32	WC-37054	KIT, SOCKET GEAR PC/CK/HC
4	CA-1174	LED LAMP ASSY - 11-12W 36VDC	33	WC-2626-03	BUSHING, AUGER PC/CK/HC
5	WC-37127	KIT, UCM BOARD & LABEL PCGT4	34	WC-3739	KIT, WHIPPER MOTOR, SCREWS & INSTR
5A	WC-37128	KIT, UCM BOARD & LABEL PCGT5	35	WC-43791	RING, MOTOR SHAFT PLASTIC
6	WC-39350-01	LABEL, UCM PANEL PCGT4 CURTIS	36	WC-37118	KIT, WHIPPER PLATE (W/SEAL) 3/PKG
6A	WC-39351-01	LABEL, UCM PANEL PCGT5 CURTIS	37	CA-1008-07K	KIT, PROPLR OFFSET BLADES PCGT PKG6
7	WC-39957	MEMBRANE CONTRL PANEL PCGT4/5 CURTIS	38	CA-1006-06	WHIPPER CHAMBER OFFSET PCGTs
7A	WC-39753	MEMBRANE CNTRL PNL PCGT4/5 (OLD VER)	39	CA-1024-05	PILLAR, LOCATION BLACK
8	CA-1171	COVER, ALCOVE PCGT-4/5	40	WC-37174	KIT, GEAR MOTOR, CORK BRAKE PCGT
9	CA-1175K	KIT, POWER SUPPLY FOR LED LAMP PCGTs	41	CA-1036	GEAR, PLASTIC USE ON CA-1013
10	WC-780	CONTROL, POWER MODULE CORK BRAKE	42	WC-3765L	KIT, INLET VALVE REPAIR USE ON WC-826L
11	WC-37123	KIT, FAN EXTRACT 120V 29 CFM & BRACKET	43	WC-5231	COMPOUND, SILICONE 5 OZ TUBE
12	CA-1039	O-RING, DUMP VALVE (WC-880)	44	WC-39350-02	LABEL, PANEL FLAVOR CURTIS PCGTs
13	WC-37008	KIT, TANK LID ROUND	45	WC-39203	LABEL, SERVICING INSTR (NOT SHOWN)
14	WC-43067	O-RING, 4-1/2 I.D. x Ø.285 SILICONE	46	WC-826L	VALVE, INLET 1 GPM 120V 10W YELLOW
15	WC-5527K	KIT, WATER LEVEL PROBE, O'RING, NUT	47	WC-8556	HEAT SINK ASSEMBLY DV PCGTs
16	WC-3734	KIT, RPL DUMP VALVE FOR WC-880E PCGTs	48	WC-5310	TUBE, 5/16" ID X 1/8"W SILICONE
17	WC-904-04	HEATING ELEMENT, 1.6KW W/JAMNUTS	49	CA-1030-17	HOSE, EXTRACTOR FAN 17" LONG
18	WC-1438-101	SENSOR, TEMPERATURE TANK	50	WC-6295	HEATING TANK, COMPLETE PCGT4
19	WC-523	THERMOSTAT, MNL RESET 120/240V 25A	50A	WC-6296	HEATING TANK, COMPLETE PCGT5
20	WC-102	SWITCH, TOGGLE NON LIT 15A 120/240V SPST	51	WC-58120	COVER, DUMP VALVE PC-4/5GT
21	WC-68147	SCREEN, DRIP TRAY PCGT-4/5	52	CA-1095	CONNECTOR, ORIFICE WATER PCGT
22	CA-1157	DRIP TRAY, PLASTIC PCGT-4/5	53	WC-8591	CAPACITOR, X2 ALL ADS MODELS
23	CA-1112-06	CANISTER ASSY, 5LB PCGTs	54	CA-1135	LATCH ASSY, DOOR (NOT SHOWN)
23A	CA-1113-06R	CANISTER ASSY, 10LB RIGHT PCGTs	55	WC-3503	LEG, 3/8"-16 STD SCREW BUMPER
23B	CA-1113-06L	CANISTER ASSY, 10LB LEFT PCGTs	56	WC-3518	LEG, GUIDE 3/8"-16 STUD SCREW
24	CA-1011-05	FITTING, BULKHEAD WATER PCGTs	57	WC-4320	O-RING, 1/2" I.D. (NOT SHOWN)
25	CA-1065-03	BUSHING, DISCHARGE PC/CK/HC	58	WC-4394	GUARD, SHOCK HEATING ELEMENT
26	CA-1026-03	ELBOW, PC/CK/HC	59	WC-3689	INSULATION, WRAP PCGT
27	CA-1005-03	STEAM TRAP PC/CK/HC	60	WC-68123	PANEL, LEFT SIDE PCGTs
28	CA-1009-03	BOWL, MIXING PC/CK/HC	61	WC-68121	PANEL, RIGHT SIDE PCGTs
29	CA-1037-3Y	TUBE, EXTENSION 3.0" LONG YELLOW	62	WC-66044	CANISTER TRAY, ASSY PLASTIC PCGT4/5
			63	CA-1107	WINDOW, FRONT CLEAR PCGT-4/-5

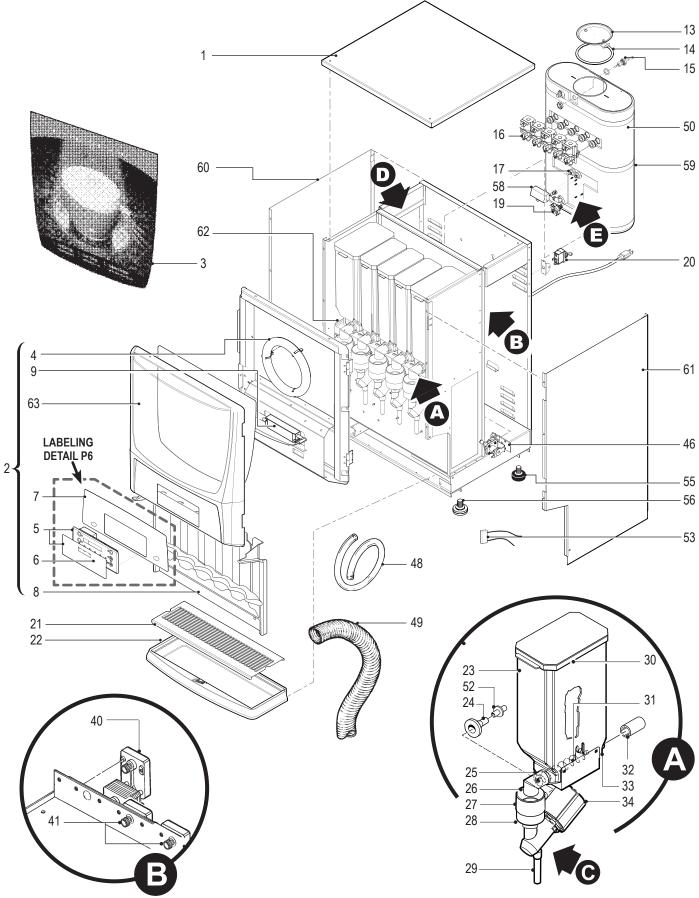
Detail Bubbles

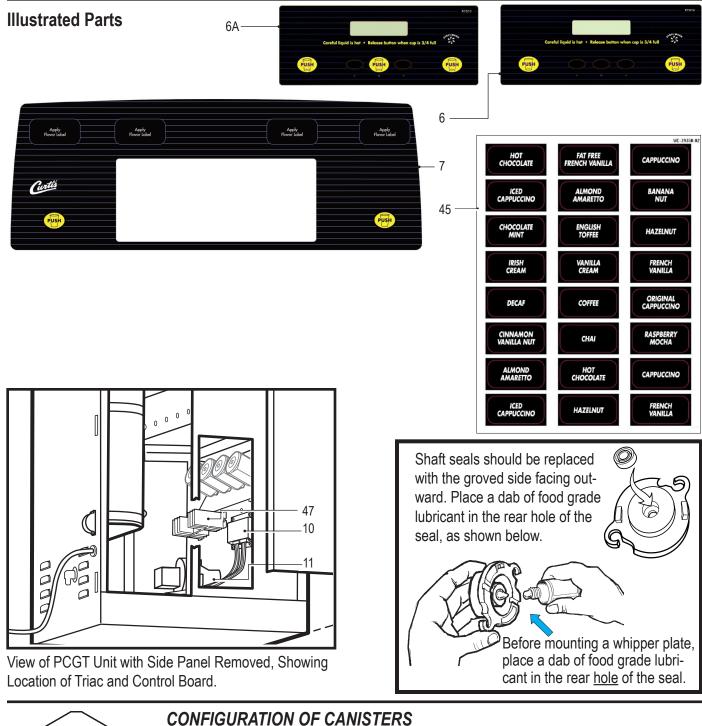


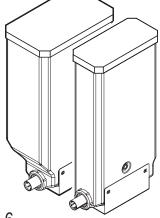




Illustrated Parts



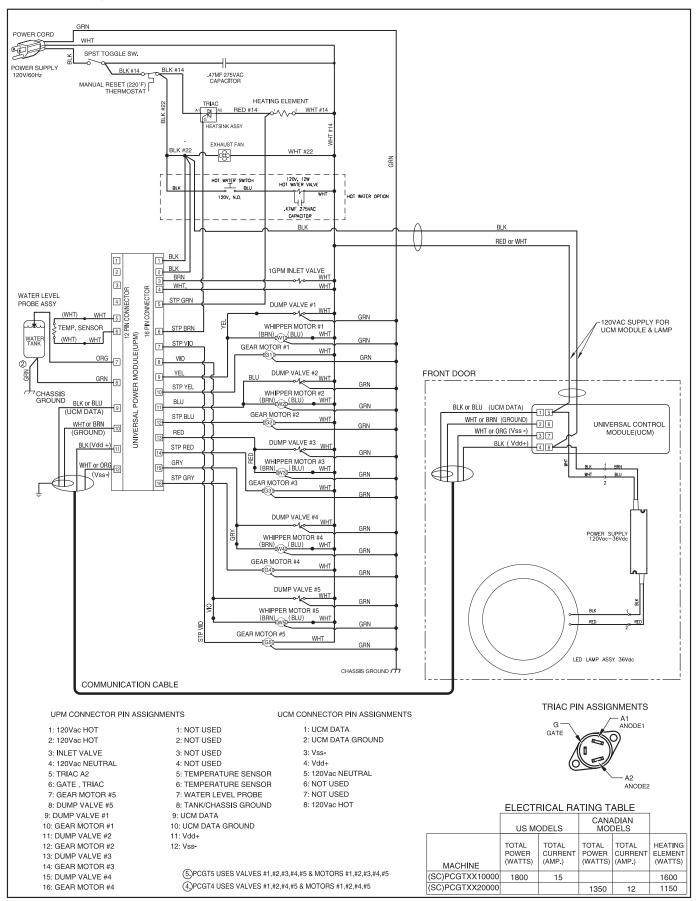




CONFIGURATION OF CANISTERS ON PCGT MODELS

MODEL	10 LB. CANISTER P/N CA-1113-06L	10 LB. CANISTER P/N CA-1113-06R	5 LB. CANISTER P/N CA-1112-06
PCGT4	ONE	ONE	TWO
PCGT5	ONE	ONE	THREE

Electrical Diagram



Product Warranty Information

The Wilbur Curtis Co., Inc. 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 Co., Inc. 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 Co., Inc., assumes no responsibility for substitute replacement parts installed on Curtis equipment that have not been purchased from Wilbur Curtis Co., Inc. The Wilbur Curtis Co., Inc. 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, "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 Co., Inc. 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 Co., Inc. 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.

ECN 16160 . Rev E 10/1/2014@15.7



FOR THE LATEST SPECIFICATION INFORMATION GO TO WWW.WILBURCURTIS.COM