

**INSTALLATION, OPERATION and MAINTENANCE
MANUAL for Cres Cor Undercounter AquaTemp™ HUMIDITY OVENS
and CONVECTION OVENS
2000 WATTS**



CO151XUA5DE1201
CO151XUA5DX1201
CO151X185DE1201
CO151X185DX1201

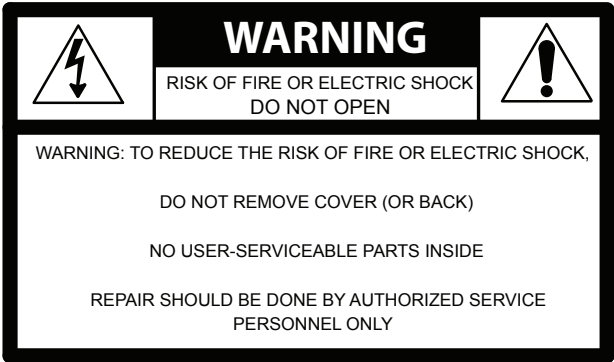


CO151XWUA5DE1201
CO151XWUA5DX1201

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INSTALLATION INSTRUCTIONS

VENTING YOUR OVEN:

1. This cabinet passes the EPA 202 test and complies with section 59 of UL710B for emission of grease-laden air.
2. According to UL, this cabinet does not need to be placed under a ventilation hood.
3. Installation must conform with local codes. The authority having jurisdiction of enforcement of the codes will have the responsibility for making interpretations of the rules.

ELECTRICAL SPECIFICATIONS:

Model Nos.	Volts	Watts	Amps	Hertz	Phase	NEMA
CO151XUA5DE1201 CO151X185DE1201 CO151XWUA5DE1201 CO151XUA5DX1201 CO151X185DX1201 CO151XWUA5DX1201	120	2000	16.6	60	1	L5-20P

All ovens have two air heaters at 925 watts each.

Model CO151XWUA5D Series also has a water pan heater at 1850 watts.

*All models are designed for AC Service. Model numbers may have the letters: **B**, **L**, **M**, **S**, **T**, **U**, or **Z**.*

HOW TO INSTALL OVENS:

1. Remove all packing material from inside and outside of oven.
2. Position oven on level floor; install the oven interior (pan slides) if not already installed.
3. Plug power cord into proper wall receptacle.

FOR MODEL CO151XWUA5DE(or DX)1201 ONLY WHEN USING HUMIDITY OPTION:

- **MANUAL FILL:** Fill water pan with three (3) gallons of HOT water (see **CAUTION**).
- **AUTO FILL:** Attach water valve on back bottom of unit to water supply (see "How to use Automatic fill kit on page 7).

LOW WATER LIGHT:

MANUAL FILL: When water needs to be added to the pan, the **Low Water** Light will stay on and the humidity will not work until the pan is refilled.

AUTO FILL: If water level is low and water supply is not connected, an error code will display after a time limit.



Use of treated water is recommended for proper operation and to maintain warranty. It will reduce scaling.

HOW TO CHANGE FROM °F TO °C (if needed)

1. Push the switch on; the light will come on.
2. Push and hold the "SET" button and the button in the lower left hand corner together for 5 seconds. You have now entered into the menu.
3. Scroll over the "Unit" and change it to "C", then scroll to the "END".

FIRST-TIME OPERATION

NOTE: A new oven needs to "burn off" manufacturing oils and excessive adhesive before its first use.
Do NOT load food into oven until this has been done!

1. Push the switch to on; the light will come on.

NOTE: The letters "LOTPR" (low temperature) will show on the control panel until it reaches 140°F (60°C).

2. Press the "COOK" button.
3. Push down and turn the control knob to show 200°F. Push the knob again to set the temperature. Run the unit for one (1) hour.
4. Turn the unit off and let cool.
5. Wipe the inside clean with detergent and hot water.

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ROAST-N-HOLD OPERATING INSTRUCTIONS

For All Models



HOW TO USE THE ROAST-N-HOLD CONTROL:

*Push the lighted switch on the control panel; the oven will start heating and stay in HOLD mode.

*The display will read “LOTPr” (low temperature) below 140°F. (60°C.).

NOTES: Preheat for one (1) hour after start up before loading the food for best results when retherming or cooking heavy loads.

If a power outage occurs or the cabinet is shut off during a cook cycle, when it is turned on again all lights on the control will flash to indicate a disruption. Control will resume the last cook cycle used. Press any button to stop the blinking.

If your model does not have a food probe, continue to section “-DE OVENS” below.

If your model has a food probe, skip to section “-DX OVENS” on page 5.

If your model has an AquaTemp Control, see page 7 also.

-DE OVENS:

Cooking:

1. Press the COOK button.
2. Turn the control knob to the desired cooking temperature between 180°F (82°C) and 350°F (176°C).
3. Push the knob to set the temperature.
4. The control automatically switches to allow you to set HOLD temp. (Continue to step 1 below).

Holding:

(To use as holding cabinet only, skip steps 1-4 above and press HOLD button. Complete steps 1-3 below.)

1. Turn the control knob to the desired holding temperature between 80°F (26°C) and 220°F (104°C).
2. Push the knob to set the temperature.
3. The control automatically switches to allow you to set cook time.

Setting the Timer:

1. Turn the control knob to the desired hours/minutes.
2. Push the knob to set the time.
3. The control automatically switches to PREHEAT mode and will display “PrEHt”

Running the Cycle:

1. The control will flash “PUSH StArt” after the cabinet has preheated to the set temp and the alarm will sound.

NOTE: A short beep will occur every 90 seconds as a reminder. This can be turned off in the user menu by holding the knob and the TIME buttons together for 5 seconds, then scrolling to “PSrE”, changing “y” to “n”, scrolling to “End”, and pushing the knob to set.

2. Load foods into oven and close the door.
3. Push the START button to begin the Cooking process. Display will change between the setpoint temperature and the countdown of the timer.
4. The alarm will sound after the time is done and the oven will switch back into HOLD mode. The timer will now count up, showing how long the food has been holding.

OPERATING INSTRUCTIONS (*continued*)



-DX OVENS

Cooking:

1. Press the COOK button.
2. Turn the control knob to the desired cooking temperature between 180°F (82°C) and 350°F (176°C).
3. Push the knob to set the temperature.
4. The control automatically switches to allow you to set HOLD temp. (Continue to step 1 below).

Holding:

(To use as holding cabinet only, skip steps 1-4 above and press HOLD button. Complete steps 1-3 below.)

1. Turn the control knob to the desired holding temperature between 80° (26°C) and 220°F (104°C).
2. Push the knob to set the temperature.
3. The control automatically switches to allow you to set cook time.

If cooking with timer, continue to step 1 below. If cooking with food probe, skip to section “Cooking with Food Probe”.

Cooking with Timer:

1. Turn the control knob to the desired hours/minutes. Oven will switch from COOK to HOLD mode when this time is done.
2. Push the knob to set the time.
3. Oven will switch to PREHEAT mode and control will display “PrEHt”.

Cooking with Food Probe:

NOTE: Make sure probe was plugged in after step 1 of Holding above. If not, press the PROBE button and continue to next step below.

1. Turn the control knob to the desired temperature. The oven will switch from COOK to HOLD mode when the probe reaches this temp.
2. Push the knob to set the temperature.

3. Oven will switch to PREHEAT mode and control will display “PrEHt”.

Running the Cycle:

1. The control will flash “PUSH StArt” after the cabinet has preheated to the set temp and the alarm will sound.

NOTE: A short beep will occur every 90 seconds as a reminder. This can be turned off in the user menu by holding the knob and the TIME buttons together for 5 seconds, then scrolling to “PSrE”, changing “y” to “n”, scrolling to “End”, and pushing the knob to set.

2. Load foods into oven, insert probe (if applicable) and close the door.
3. Push the START button to begin the Retherm/Cook process.
 - a. If cooking with timer, display will alternate between the setpoint temperature and the countdown of the timer.
 - b. If cooking with probe, display will show the probe temp.
4. The alarm will sound after the time is done and the oven will switch back into HOLD mode. The timer will now count up, showing how long the food has been holding.

NOTE: At any time, the CANCEL button can be pushed to return the oven back to HOLD mode at the previous set temperature.

The DISPLAY button shows (cycles through) all the values when in each mode:

- “PrEHt” or “PUSH StArt”: Momentarily shows actual oven temperature.
- “COOK (timed)”: Shows home screen, set point, count down time, actual oven temperature.
- “COOK (probe)”: Shows home screen, set point, count up time, actual oven temperature.
- “HOLD”: Shows home screen, set point, count up time, actual oven temperature.

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OPERATING INSTRUCTIONS *(continued)*



-DX OVENS, *continued*

RECIPES:

The -DX control can hold up to 18 saved recipes.

To save a recipe:

1. Press the RECIPE button.
2. Turn the knob through the menu until you get to "Edit" and press the knob.
3. Turn the knob to reach the recipe you want to edit. There are 18 blank recipes to customize and save.
4. Press the knob and enter the cook, hold and time values.
5. After the entering the final value, "Edt" will show again, allowing you to edit another recipe.
6. Press the knob to edit more recipes or turn to "End" to exit the menu.

To use one of the recipes:

1. Push the RECIPE button.
2. Turn the knob to the desired recipe; "rcP01", "rcP02", "rcP03", etc.
3. Push the set button to select and start the preset process. Unit will begin to preheat.
4. Run the cycle as described above by pressing START button after oven has preheated.

Note: The display button will cycle through all the values as before, but will include the recipe number, if using a saved recipe.

Additional Menu Settings:

Press and hold both the TIME button and the knob for 5 seconds to get into the menu.

Here you can set the recipes, temperature units (°C or °F), PUSH START reminder and the datalog settings (USB connection required):

"RECE" allows you to enable or disable the data record feature.

"RECF" allows you set how often (in minutes) a datapoint will be recorded.

"RECD" allows you to set how long (in days) you would like the data to be stored in memory.

AQUATEMP OPERATING INSTRUCTIONS

For Model CO151XWUA5DE1201 or CO151XWUA5DX1201 Only



HOW TO USE THE AQUATEMP HUMIDITY CONTROL:

- *The units of the humidity control are approximate % relative humidity. The amount of moisture will vary for the same %RH value at different cabinet temperatures.
- * The LOW WATER Light comes on when water pan needs to be refilled.
- *Press the ON/OFF button to turn it on.

Setting the Humidity:

1. At any time, press the knob and the setpoint %RH will flash.
2. Turn the knob to the value you desire.
3. Press the knob to set the value.

For use with the Roast-N-Hold Control:

1. On the Roast-N-Hold control, when selecting the COOK temperature, the humidity setpoint will be flashing on the AquaTemp control.
2. Turn the knob on the humidity control to the desired "Cook Humidity" value.
3. On the Roast-N-Hold control, when selecting the HOLD temperature setpoint, the humidity setpoint will be flashing on the AquaTemp control.
4. Turn the knob on the humidity control to the desired "Hold Humidity" value.

NOTE: These humidity values then are set and switch automatically based upon which Roast-N-Hold mode it is in.

The DISPLAY BUTTON momentarily shows the approximate relative humidity in the cabinet. When water level is low, %RH is not correct, so no value is displayed.

How to use the Automatic Water Fill:

There is a water fill connection under the bottom right rear of the oven. Remove the plug on the end of the connector.

1. Connect the plastic tubing provided to the connector and the other end to your water supply. Turn water supply on.
2. Press and hold both the DISPLAY button and the knob of the AquaTemp humidity control for five seconds.
3. Turn the knob until when the display shows FILL, select "Y" for yes and press the knob to set.
4. Go to END to exit the menu. Auto water fill should start.

To shut down:

1. Press and hold both the DISPLAY button and the knob of the Aquatemp humidity control.
2. Turn the knob to FILL and push to enter. Select "N" for no; go to END to exit the menu.
3. Turn off your water supply and clean out the water pan after it cools (See "Maintenance Instructions" on page 8).

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MAINTENANCE INSTRUCTIONS

HOW TO CLEAN THE UNIT

FOR CO151XWUA5D SERIES ONLY:

MAINTENANCE: WATER PAN

Drain, wipe and fill water pan daily.

(Clear vinyl drain-hose is provided).

1. Push hose onto drain nozzle under the base.
2. Turn knob to open the drain.

To Fully Dry Out:

1. Drain until 1/8" of water is left in pan bottom.
2. Run oven at 350°F (173°C) until water is gone.
3. Wipe out pan.



Delime or descale water pan parts as required, to prevent damaging build-up. WARRANTY COVERAGE MAY BE AFFECTED WITHOUT PROPER CLEANING.

MAINTENANCE: CABINET (ALL MODELS)

1. Wipe the inside of cabinet after daily use.
2. Leave doors slightly open to fully dry interior.



BEFORE cleaning the cabinet:

1. **Unplug cord from wall. Allow cabinet to cool.**
2. **Do NOT hose cabinet with water.**
3. **Do NOT get water on controls.**
4. **Do NOT use abrasives or harsh chemicals.**
5. **Do NOT use "Cres Clean" (or any citrus cleaner) on labels or plastic parts.**

Cleaning Hints:

1. Use the mildest cleaning procedure that will do the job.
2. Always rub in the direction of the polish lines to avoid scratching the surface.
3. Use only a soft cloth, sponge, fibrous brushes, plastic or stainless steel pad for cleaning and scouring.
4. Rinse thoroughly with fresh water after every cleaning operation.
5. Always wipe dry to avoid water marks.

HOW TO CLEAN THE UNIT:

	SOIL	CLEANER	METHOD
CABINET Inside and Outside (Stainless Steel)	ROUTINE CLEANING	Soap, ammonia or mild detergent* and water.	1. Sponge on with cloth 2. Rinse
	STUBBORN SPOTS, STAINS	Mild abrasive made for Stainless Steel.	1. Apply with damp sponge or cloth. 2. Rub lightly.
	BURNT ON FOODS OR GREASE	Chemical oven cleaner made for Stainless Steel.	Follow oven cleaner manufacturer's directions.
	HARD WATER SPOTS & SCALE	Vinegar	1. Swab or wipe with cloth. 2. Rinse and dry.
* <i>Mild detergents include soaps and non-abrasive cleaners</i>			

MAINTENANCE INSTRUCTIONS TROUBLE-SHOOTING GUIDE, continued

HOW TO ADJUST THE DOOR LATCH:

1. For vertical (up and down movement) adjustment:
 - a. Loosen (2) screws located in magnetic strike.
 - b. Move strike up or down for alignment to magnet on latch.
 - c. Tighten screws to secure
2. For horizontal (greater or lesser magnetic draw) adjustment:
 - a. Loosen (4) screws in door latch.
 - b. Move latch forward or backward to adjust magnetism.
 - c. Tighten screws to secure.

TROUBLE-SHOOTING GUIDE

WARNING

**IF OVEN GETS TOO HOT OR WON'T SHUT OFF, DISCONNECT
POWER AT BRANCH PANEL. DO NOT UNPLUG CORD!**

If unit is *NOT* working, first check the following causes:

- | | |
|--|-----------------------------------|
| 1. Cord is unplugged from wall outlet. | 3. Switch is turned off. |
| 2. Circuit breaker/fuse to wall outlet is blown. | 4. Fuse on back of unit is blown. |

NOTE: Vent fans will not operate until the control compartment requires ventilation to limit temperatures. Replacement of electrical components must be done by a qualified electrician.

Refer to our *Service Agency list, FL-1400* (found in the back of this manual), of authorized service centers. Instructions for replacing parts are included in replacement parts list.

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MAINTENANCE INSTRUCTIONS TROUBLE-SHOOTING GUIDE *(continued)*

PROBLEM	POSSIBLE CAUSE	SOLUTION
Oven does not turn on	1. Power switch is bad 2. Retherm control is bad.	1. Replace 2. Replace

IF THE OVEN TURNS ON:

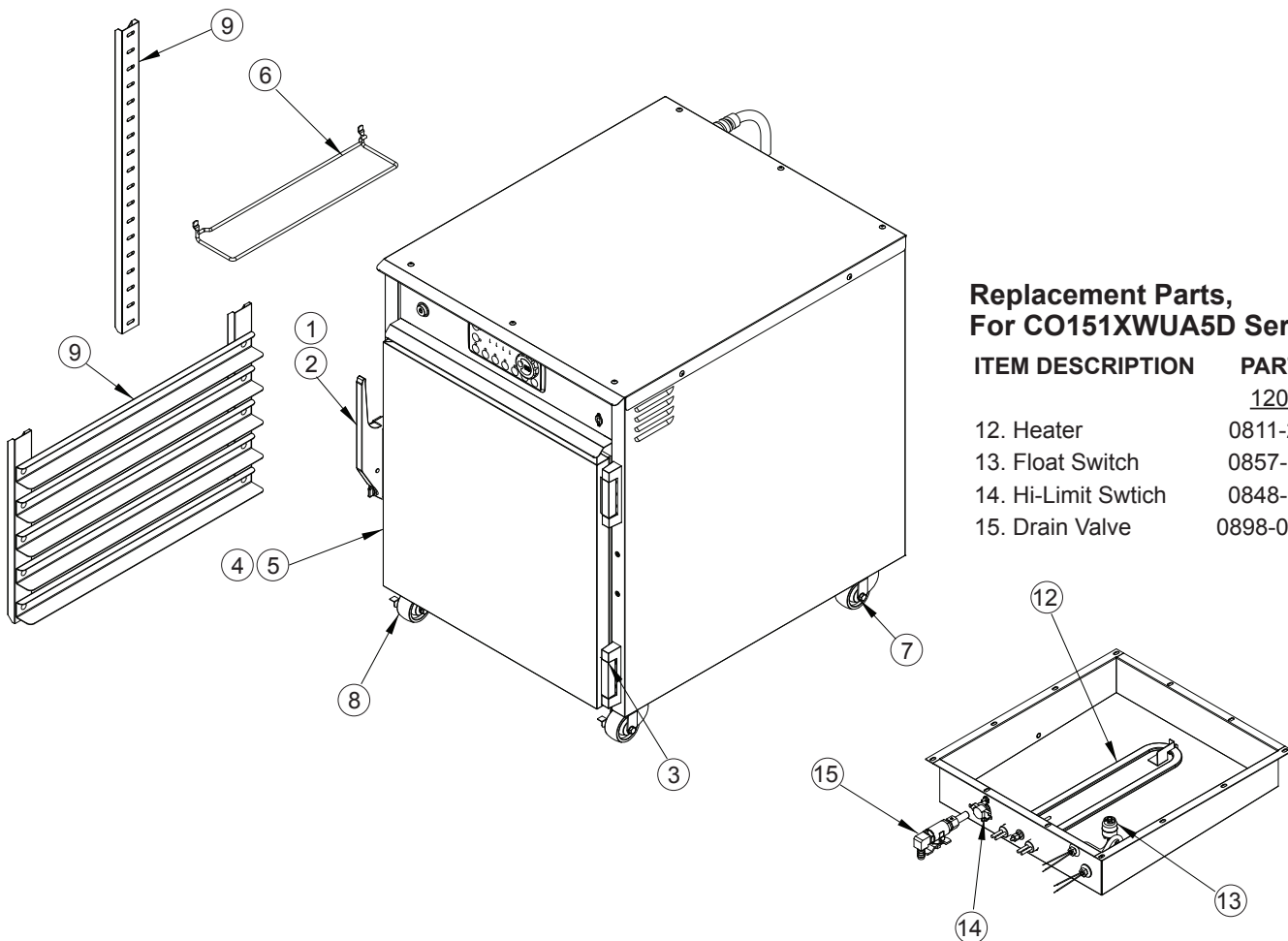
PROBLEM	POSSIBLE CAUSE	SOLUTION
Oven does not heat, or doesn't heat properly	1. Sensor 2. Heater contactor 3. Loose wiring at heater contactor 4. Oven control 5. High Limit	1. Replace 2. Replace 3. Replace 4. Replace 5. Replace
Blowers do not operate	1. Blower 2. Oven control	1. Replace 2. Replace 3. Replace
Heater will not shut off	1. Control defective 2. Heater contactor	1. Replace 2. Replace
Vent fans do not shut off	1. Vent fan switch defective 2. Control compartment is still hot.	1. Replace 2. Wait until it cools Check "Heater will not shut off"
Vent fans do not operate (See Note)	1. Vent fan switch defective 2. Vent fan defective	1. Replace 2. Replace
Control will not switch from "COOK" to "HOLD" (timed mode)	1. Oven is in "PROBE" mode (DX oven) 2. Oven control defective	1. Cancel recipe and switch to "TIMED" mode 2. Replace
Control will not switch from "COOK" to "HOLD" (probe mode in DX oven only)	1. Oven is in the "TIMED" mode 2. Probe not plugged in 3. Probe defective 4. Oven control defective	1. Cancel recipe and switch to "PROBE" mode 2. Plug in probe 3. Replace 4. Replace
Control will not switch to "COOK" (probe mode in DX oven only)	1. Oven in "TIMED" mode 2. Probe temperature setting lower than probe temperature 3. Probe not plugged in 4. Oven control defective	1. Switch to "PROBE" mode 2. Set probe temperature to desired temperature 3. Plug in probe 4. Replace
No Humidity (CO151XWUA5D1201)	1. Water element defective 2. AquaTemp control	1. Replace 2. Replace

ERROR CODES:

CODE DISPLAYED	CAUSE	SOLUTION
no p	No meat probe	Plug in probe
Err0	Temp probe bad	Replace
Err1 (CO151XWUA5D1201)	Water fill time out	Connect water supply

REPLACEMENT PARTS

Include all information on nameplate when ordering parts



Replacement Parts, For CO151XWUA5D Series Only

ITEM DESCRIPTION	PART #
	<u>120V</u>
12. Heater	0811-278
13. Float Switch	0857-122
14. Hi-Limit Switch	0848-060
15. Drain Valve	0898-015-K

Cabinet Replacement Parts:

MODEL PREFIX CO-151				
Item No	DESCRIPTION	-X185DE, DX	-XUA5DE, DX	-XWUA5DE, DX
1	Door Latch Kit	1006-122-01-K	1006-122-01-K	1006-122-01-K
2	Door Strike	1006-122-02-K	1006-122-02-K	1006-122-02-K
3	Door Hinge	0519-109-K	0519-109-K	0519-109-K
4	Door Assembly	1221-614-K	1221-597-K	1221-597-K
5	Door Gasket	0861-251-K	0861-250-K	0861-250-K
6	Angles Kit (Set of 2)	-	0621-281-K	0621-281-SS-K
7	Casters	0569-310-K	0569-310-K	0569-310-K
8	Casters w/Brake	0569-310-BK	0569-310-BK	0569-310-BK
9	Posts or Insert	1104-117	0696-252	0696-252
	Air Tunnel	0546-162	0546-162	0546-162
	Pan, Drip	1017-098	1017-098	1017-098

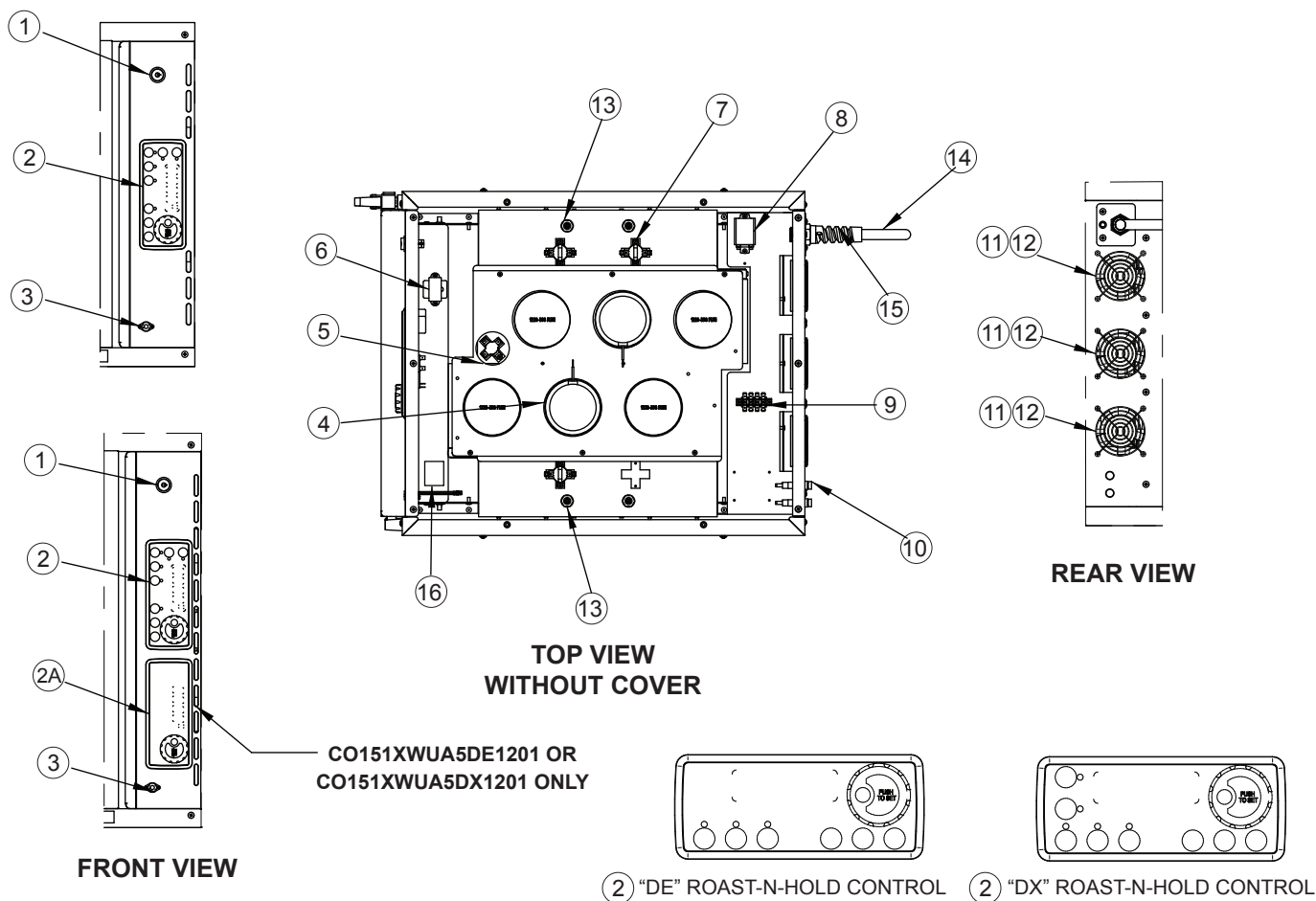
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REPLACEMENT PARTS

Include all information on nameplate when ordering parts

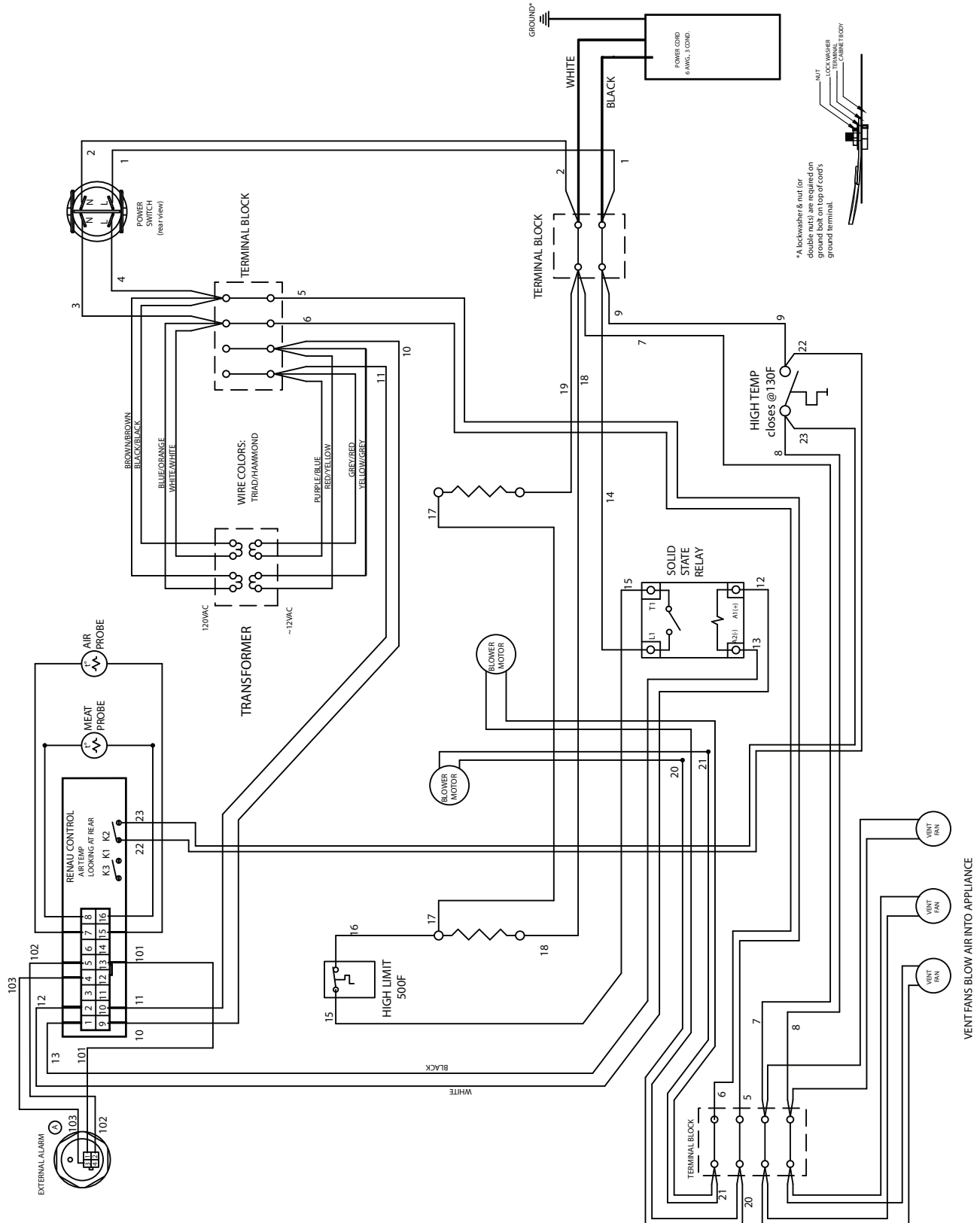
Electrical Replacement Parts:

ITEM	DESCRIPTION	Part No.	ITEM	DESCRIPTION	Part No.
1	Switch (On/Off)	0808-125	9	Terminal Block	0852-091
2, 2A	Thermostats, Digital	See Chart Below	10	Fuse	0807-151
3	Probe Connector ("DX" Ovens Only)	0848-106-02		Fuse Holder	0807-150
4	Blower	0769-180-K	11	Vent Fan	0769-165
	Blower CO151XWUA5D	0769-180-SS-K	12	Fan Guard	0769-167
5	Fan Switch	0848-034	13	Heaters, 2000W	0811-074
6	Transformer	0769-197	14	Power Cord Kit	0810-065
7	Hi Limit	0848-077	15	Strain Relief	0818-050
8	Relay, DPDT	0857-130	16	Alarm Assy	0908-009-01



		FOR MODEL NOS.			
ITEM	DESCRIPTION	CO151XUA5DE, CO151X185DE	CO151XUA5DX, CO151X185DX	CO151XWUA5DE	CO151XWUA5DX
2	Roast-N-Hold Thermostat	0848-092-22-K	0848-092-06-K	0848-092-23-K	0848-092-07-K
2A	Aquatemp Thermostat	NONE	NONE	0848-092-05-K	0848-092-05-K
	Sensor	0848-091-K	0848-091-K	0848-091-K	0848-091-K

Wiring Diagram For CO151X185D, -XUA5D 2000W, 120V Dry Ovens



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Wiring Diagram For CO151XWUA5D 2000W, 120V Humidity Ovens

