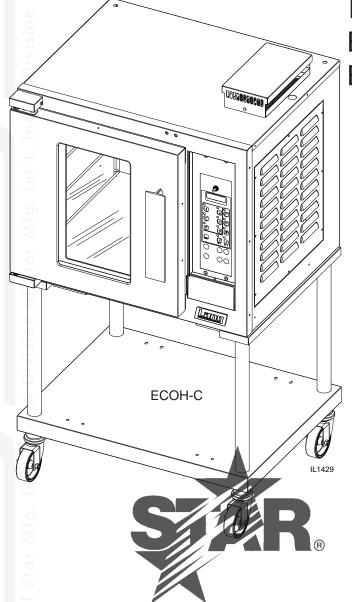


ELECTRIC HALF SIZE COMPUTERIZED CONVECTION OVEN

ECOH-C2/3VCN
ECOH-C2/4VCN
ECOH-C208CNF
ECOH-C208VCN
ECOH-C240VCN
ECOH-2/4CECN
Installation and
Operation
Instructions

2M-W493 Rev. E 5/16/08









These symbols are intended to alert the user to the presence of important operating and maintenance instructions in the manual accompanying the appliance.

FOR YOUR SAFTEY

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINTIY OF THIS OR ANY OTHER APPLIANCE.

POST IN PROMINENT LOCATION

INSTRUCTIONS TO BE FOLLOWED IN THE EVENT USER SMELLS GAS. THIS INFORMATION SHALL BE OBTAINED BY CONSULTING YOUR LOCAL GAS SUPPLIER. AS A MINIMUM, TURN OFF THE GAS AND CALL YOUR GAS COMPANY AND YOUR AUTHORIZED SERVICE AGENT. EVACUATE ALL PERSONNEL FROM THE AREA.

WARNING

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, INJURY OR DEATH. READ THE INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS THOROUGHLY BEFORE INSTALLING OR SERVICING THIS EQUIPMENT.



WARNING RISK OF FIRE OR ELECTRIC SHOCK DO NOT OPEN



WARNING, TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE CONTROL PANEL. NO USER-SERVICABLE PARTS INSIDE.
REPAIRS SHOULD BE DONE BY AUTHORIZED SERVICE PERSONNEL ONLY.

NOTICE

Using any part other than genuine Lang factory supplied parts relieves the manufacturer of all liability.

Star reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

Due to periodic changes in designs, methods, procedures, policies and regulations, the specifications contained in this sheet are subject to change without notice. While Star Manufacturing exercises good faith efforts to provide information that is accurate, we are not responsible for errors or omissions in information provided or conclusions reached as a result of using the specifications. By using the information provided, the user assumes all risks in connection with such use.

MAINTENANCE AND REPAIRS

Contact your local dealer for service or required maintenance. Please record the model number, serial number, voltage and purchase & Installation Information in the area below and have it ready when you call to ensure a faster service.

Model No.:	 Purchased From:
Serial No.:	 Location:
Voltage:	 Purchase Date:
1-Phase or 3 Phase:	Installed Date:



PROBLEMS, QUESTIONS or CONCERNS

Before you proceed consult you authorized Lang service agent directory or

Call the Lang Technical Service & Parts Department at 1-800-807-9054.

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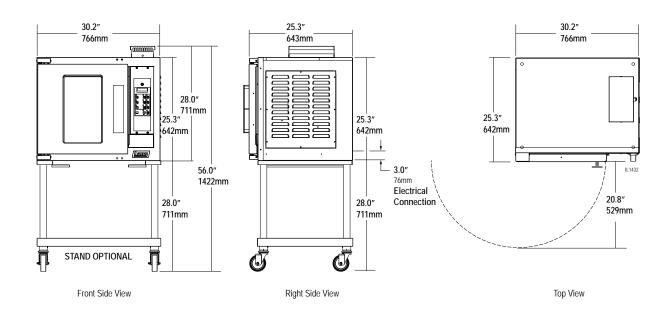
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NOTICE

Service on this or any other Lang appliance must be performed by qualified personnel only. Consult your Lang Authorized Service Agent Directory. You can call our toll free number 1-800-807-9054 or visit our website WWW.STAR-MFG.COM for the service agent nearest you.

SPECIFICATIONS

Model	Height x Width x Depth	Clearance from	Weight	
	(without optional stand)	combustible surface	Installed Shipping	g Freight Class
ECOH-C	25.3" x 30.2" x 25.3" 642mm x 766mm x 643mm	Side:6", Back: 6", Floor: 6"	185 lbs. 225lbs (84 kg) (102 kg)	85



UTILITY REQUIREMENTS

Model Number						
Current Model	Previous Model	Volts	Hz	Motor Amps	Phase	KW
ECOH-2/4CECN	EHS-LMDR-HCE	240/415	50/60	33	1/3PH-4 Wire	7.8
ECOH-C2/3VCN	EHS-LMDR-G	220/380	50/60	3.3	1/3PH-4 Wire	6.7
ECOH-C2/4VCN	EHS-LMDR-J	240/415	50/60	1.2	1/3	7.8
ECOH-C208CNF	EHS-LMDRAFTO	208	60	3.3	1/3	5.6
ECOH-C208VCN	EHS-LMDR-A	208	60	3.3	1/3	7.8
ECOH-C240VCN	EHS-LMDR-I	240	60	2.6	1/3	7.8

Model Number							
Current Model	Previous Model	Amps 1PH	Wire 1PH	L1	L2	L3	Wire 3PH
ECOH-2/4CECN	EHS-LMDR-HCE			11.8	10.4	10.4	12
ECOH-C2/3VCN	EHS-LMDR-G	30	10	11	10	10	12
ECOH-C2/4VCN	EHS-LMDR-J	32.5	8	10.4	10.4	11.6	12
ECOH-C208CNF	EHS-LMDRAFTO	27	10	12	23	15	10
ECOH-C208VCN	EHS-LMDR-A	38	8	23	21	23	10
ECOH-C240VCN	EHS-LMDR-I	33	8	20	18	20	12

EQUIPMENT DESCRIPTION

Exterior Construction

The Top, Front, Back, and Sides are constructed of stainless steel with an aluminized bottom.

The oven exterior dimensions are:

30" (76.2 cm) Wide, 25.25" (74.3 cm) High, 26.5" (67.31 cm) Deep.

The oven door comes standard with a high temperature insulated window equipped with a polycarbonate handle.

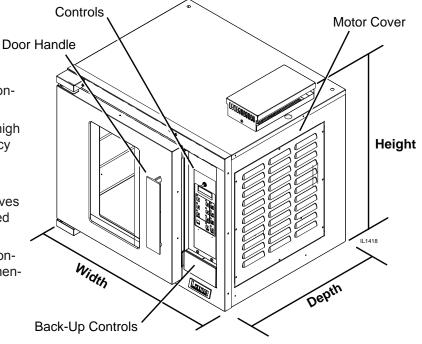
The oven cavity is insulated with high temperature insulation for efficiency and reduced heat loss.

Interior Construction

The oven is designed for five shelves and comes with five Chrome Plated Racks.

The interior cooking chamber is constructed of stainless steel with dimensions of:

15" (38.1 cm) Wide, 20" (50.84 cm) High, 21" (53.38 cm) Deep.



Operation

The ECOH oven is a forced air convection oven with a vented oven cavity.

The air is driven by a 1/3 HP fan motor.

Controls

Pre-Programmable Product Selections

Independent Shelf Timers for each Shelf.

Shelf Compensation Timing for uniform baking.

Technical

Oven operates as shipped on either 208 or 240-volt (singe or three phase), or 480-volt (three phase).

The oven can be shipped with a Power Cord and Plug attached, but must be specified upon ordering (part number is listed in the Parts portion of this manual).

Floor space required is 42" (106.68cm) Wide, 32.5" (82.55cm) Deep.

The oven weighs approximately 225 lb. (102.5 Kilograms).

The ovens are stackable, stacking kit available upon request.

NOTICE The data plate is on the back side of the oven above the power cord.

The oven voltage, wattage, serial number, wire size, and clearance specifications are on the data plate. This information should be carefully read and understood before proceeding with the installation.

UNPACKING

Receiving the Oven

Upon receipt, check for freight damage, both visible and concealed. Visible damage should be noted on the freight bill at the time of delivery and signed by the carrier's agent. Concealed loss or damage means it does not become apparent until the merchandise has been unpacked. If concealed loss or damage is discovered upon unpacking, make a written request for inspection by the carrier's agent within 15 days of delivery. All packing material should be kept for inspection. Do not return damaged merchandise to Star Manufacturing Company. File your claim with the carrier.



Location

Prior to un-crating, move the oven as near to its intended location as practical. The crating will help protect the unit from the physical damage normally associated with moving it through hallways and doorways.

Un-crating

The oven will arrive completely assembled inside a wood frame and strapped to a skid. Cut the straps and remove the wood frame.

The oven can now be removed from the skid.

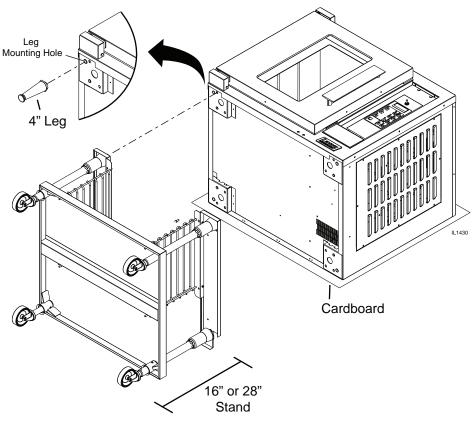


THE UNIT IS EXTREMELY HEAVY. FOR SAFE HANDLING, INSTALLER SHOULD OBTAIN HELP AS NEEDED, OR EMPLOY APPROPRIATE MATERIALS HANDLING EQUIPMENT (SUCH AS A FORKLIFT, DOLLY, OR PALLET JACK) TO CAUTION REMOVE THE UNIT FROM THE SKID AND MOVE IT TO THE PLACE OF INSTALLATION.

> ANY STAND, COUNTER OR OTHER DEVICE ON WHICH OVEN WILL BE LOCATED MUST BE DESIGNED TO SUPPORT THE WEIGHT OF THE OVEN.

SHIPPING STRAPS ARE UNDER TENSION AND CAN SNAP BACK WHEN CUT.

INSTALLATION



Leg Installation

4" legs are available for single countertop installations. Single and double deck installations require 16" or 28" stand installation, casters may also be used in certain situations.

To install the 4" legs, place some cardboard on the floor and gently tip the unit onto its back. Fasten the four, 4" legs into the threaded holes located on the bottom of the unit. Gently lift the oven into its operating position.

16" & 28" stand installation, after following the assembly instructions that were provided with the stand, gently lower unit on to some cardboard as shown here. Align the stand with the bottom of the unit and secure with the hardware provided. With the assistance of carefully raise the unit to its vertical position.

Stacking the Ovens

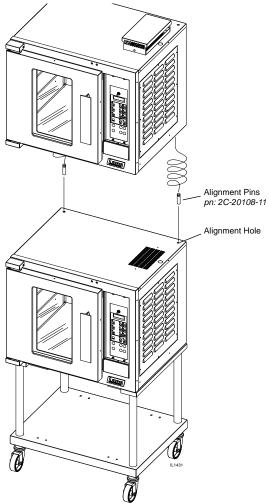
Two alignment pins (pn:2C-20108-11) are needed if you intend on stacking two ECOH-C on each other as shown. These pins must be requested at the time of purchase, or call your Lang authorized service agent, or Lang parts department at 1-800-807-9054.

Having completed the previous step remove any and all button plugs from the lower unit, so the upper unit will lay properly.

Lay the upper unit on its back and screw the alignment pins into the two rear holes.

With assistance lift the upper unit onto the lower unit, being certain that the alignment pins go into the alignment holes, as shown here.

NOTE: Each unit must have separate electrical connections



INSTALLATION continued

Vent Cap

Certian units come equipped with a vent cap assembly, this gets installed on top of the unit as shown here. If your unit does not come equipped with this feature call the Lang parts department at 1-800-907-9054 to inquire.

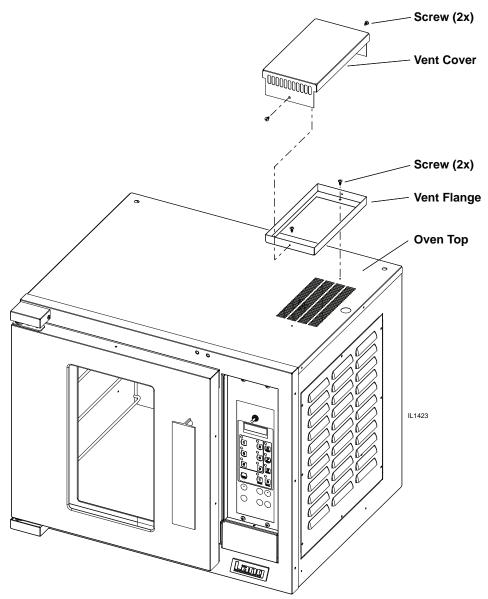
This vent allows:

heat to escape from the electronic controls and motor assembly more freely, allowing cooler air to enter through the side.

reduces the possiblitiy of blocking the vent or having objects or moisture falling into the controls & motor compartment possibly damaging sensitive electronic components.

Install Vent Cap

- 1. Unit should be turned off.
- 2. Align vent flange with mounting holes on top of the unit as shown here.
- 3. Secure in place with hardware provided.
- 4. Align the mounting holes on the vent cover, with the holes on the vent flange, and secure with hardware provided.



Vent Cap Assembly Installation, standard with certain models

INSTALLATION continued

Ventilation and Clearances

Standard minimum clearance from combustible construction is as follows.

4" from side

4" from back

6" from floor

- These ovens may be set directly, without legs, on a curbed base or non-combustible floor.
- If the oven is set without legs on a non-combustible floor or a curbed base, maintain a 4-inch back clearance.
- · If the oven is set directly against a non-combustible back wall, maintain a 6-inch clearance to the floor.
- · Do not install the oven closer than 4 inches from another oven on the right hand side (control panel side).
- Do not install the oven closer than 12 inches from an uncontrolled heat source (char broiler etc.) on the right side.
- Keep the area free & clear of combustible material, and do not obstruct the flow of combustion or ventilation air.
- The installation of any components such as a vent hood, grease extractors, and/or fire extinguisher systems, must conform to the applicable nationally recognized installation standards.

NOTICE

The installation of any components such as a vent hood, grease extractors, fire extinguisher systems, must conform to their applicable National, State and locally recognized installation standards.

Electrical Connection

The electrical connection must be made in accordance with local codes or in the absence of local codes with NFPA No. 70 latest edition (in Canada use: CSA STD. C22.1).

The electrical service entrance is provided by a 1 1/4-inch knockout at the oven back directly behind the control

compartment. A grounding lug is provided at the rear service entrance.

The ECOH-C-VCN can be purchased with a Cord & Plug kit (Part number 9Q-ECOH-CK). This kit includes a 48" cord with a NEMA L15-30P plug. In stacked situations each units needs to have separate cord & plug assemblies.

Oven Voltage

The Lang Model ECOH ovens can be operated on 208, 240-volt (single or three phase), or 480-volt (three phase only) source. The Amp draw, KW rating, and phasing can be found in the wiring diagram section of this manual.



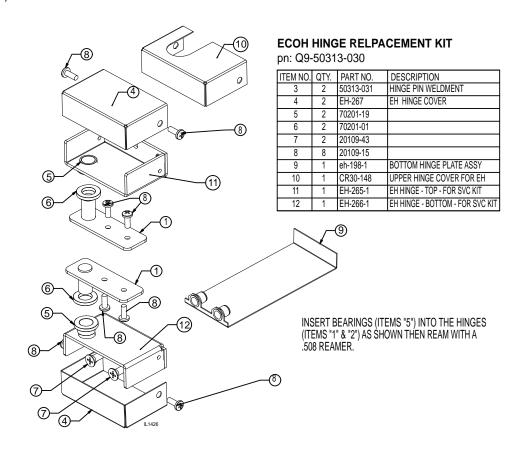
THIS APPLIANCE MUST BE GROUNDED AT THE TERMINAL PROVIDED. FAILURE TO GROUND THE APPLIANCE COULD RESULT IN ELECTROCUTION AND DEATH.



INSTALLATION OF THE UNIT MUST BE DONE BY PERSONNEL QUALIFIED TO WORK WITH ELECTRICITY AND PLUMBING. IMPROPER INSTALLATION CAN CAUSE INJURY TO PERSONNEL AND/OR DAMAGE TO EQUIPMENT. UNIT MUST WARNING BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.

Reversing the door

- 1. Disconnect oven from power.
- 2. Remove the top and bottom door hinge covers (4) by removing the two 10-32 Phillip head screws (8).
- 3. Remove the top door hinge bracket (1) from the oven by removing the two ½-20 Phillip head screws (7). The hinge should now slide off of the door pin (this will now be your right hand lower hinge)
- 4. Lift the door off the bottom pin and set aside.
- 5. Remove the bottom door hinge bracket (2) by removing the two ½-20 Phillip head screws (7) (this will now be your upper right hand hinge).
- 6. Remove the lower hinge mounting plate (9) by pulling it from behind the leg pad adapter on the bottom of the oven.
- 7. Remove the two Phillips head screws in the bottom right corner of the oven, where the new hinge will be placed.
- 8. Slide the hinge mounting plate (9) into place and mount the hinge bracket (this should be your old upper hinge) using two ½-20 (7) Phillips head screws.
- 9. Remove the two Phillips head screws in the upper right corner of the oven where the new hinge will be placed.
- 10. Rotate the door 180° and slide the door pin into the bottom hinge bracket.
- 11. Slide the upper door hinge (1) onto the upper door pin and then screw into place using two ½-20 Phillip head screws.
- 12. Place the top and bottom door hinge covers (4) back on the oven using two 10-32 Phillip head screws (8).



INITIAL START UP

Pre-Power On

After th oven is installed and connected to power, prior to turning on, verify the following

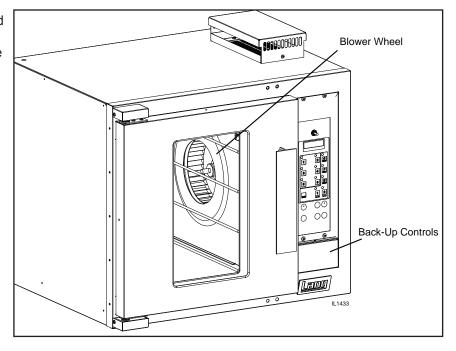
- The door opens and closes freely
- All racks are in the oven correctly
- All packing materials have been removed from the inside of the oven

Power On

Once the oven has been turned on verify that the blower wheel is spinning freely in a clockwise position and that the elements are heating properly.

Switch the back-up controls on and make certain it can run the unit,

Confirm that the thermostat knob in the back-up controls is move freely.



NOTICE During the first few hours of operation you may notice a small amount of smoke coming from the oven, and a faint odor from the smoke.

This is normal for a new unit and will disappear after the first few hours of use.

General Operation & Programming

Convection ovens constantly circulate air over and around the product. This strips away the thin layer of moisture and cool air from around the product allowing heat to penetrate more quickly.

Always weigh your product. This will give you a more consistent size, color and quality.

Check the product near the end of the initial cooking.

Do not open the oven door during baking, as this will change the baking characteristics of the oven and make it difficult to determine a final program.

If the product is overdone on the outside and underdone on the inside, reduce the baking temperature.

If the product is pulling away from the edge of the pan, the temperature is too high or the cooking time too long.

A convection oven is a mechanical piece of equipment. The same control settings will always give the same results. If the results vary, problems may be because of changes in the product preparation.

Control Panel

The Control panel consists of the following items. Detailed operational descriptions are given later this section.

Power Switch: Turns the oven on and off

Status Display: Displays the oven status (preheat, ready, done) and is the count down timer.

Shelf Timers: Numbered 1 to 6, these buttons represent different shelf positions.

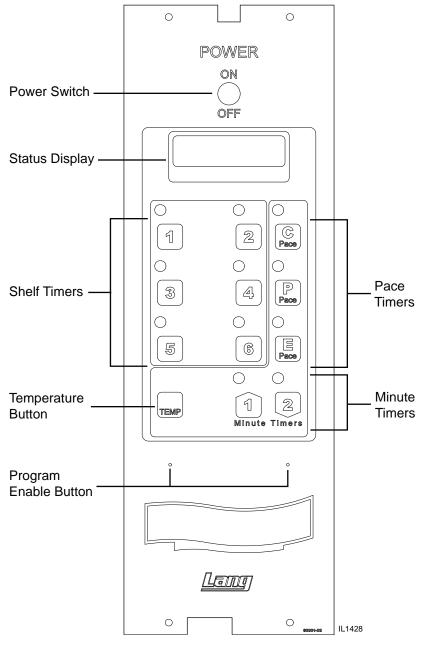
Button #	Shelf Position
1	Top Left
2	Top Right
3	Middle Left
4	Middle Right
5	Bottom Left
6	Bottom Right

Pace Timers: Labeled C, P, and E these buttons are adjustable from one to thirty minutes.

Minute Timers: There are two "Minute" timers. "1" is programmed for one minute, "2" is programmed for two minutes.

Temp Button: When pressed this button will display the temperature of the oven.

Program Enable Buttons: These are "hidden" buttons that allow the times of the shelf position buttons to be set.



General Operation & Programming cont.

Status Display

The Status Display informs the operator of the oven's status.

Preht	Stands for PREHEAT . The oven has been turned on and is adjusting to the preprogrammed temperature (350°F, 176°C).
Ready	The oven has reached the preset temperature and is waiting for product to be loaded into the oven.
Cool	The oven's internal temperature is below what is programmed.
Hot	The oven's internal temperature is above what is programmed.
Done	The time has expired for that program and the product is finished.
Help	There is a fault in the control system; the computer will not operate until service is performed.

Control Panel Buttons

Shelf Buttons	Place the product into the oven on one of the six shelf positions. Close the oven doors. Press the shelf position button that corresponds to the shelf position once for "C" product, twice for "P" product, three times for "E" product, or four times for off. A beeper will sound once the product is done and "done" will be displayed. Press the flashing shelf to cancel the beeper.
Minute and Pace Timers	The "1" button is preset to one minute, the "2" button is preset to two minutes, and the "Pace" buttons are adjustable from one to thirty minutes. Press the button once to start the timer. The display will read out the programmed time and then revert to the previous read out. The timers will countdown internally. Time remaining can be recalled by pressing the button again.
Canceling a timer	Any timer can be cancelled at any time. Press and hold the timer to be cancelled until "cancel" appears in the display.

Loading

Here are some things to remember when loading your oven.

- When loading and unloading the oven, stage products and racks so the oven door is opened for the least amount
 of time.
- Be sure that racks are level within the oven.
- Bent or warped pans can greatly affect the evenness of the cook or bake.
- If using baker's parchment, be sure the parchment does not blow over the product. The will create an uneven bake.
- Load each shelf evenly. Spaces should be maintained equally between the pan and oven walls, front and back.
- Do not overload pan's this will create an uneven bake.
- For best baking results, load the oven from the center out during random loading.



ALWAYS KEEP THE AREA NEAR THE APPLIANCE FREE FROM COMBUSTIBLE MATERIALS.

CAUTION KEEP FLOOR IN FRONT OF EQUIPMENT CLEAN AND DRY. IF SPILLS OCCUR, CLEAN IMMEDIATELY, TO AVOID THE DANGER OF SLIPS OR FALLS.

General Operation & Programming cont.

Pace Timers

The pace timers can be set at any time. Press and hold the "PACE" button for three seconds. The display will read out the set time then begin to flash. Press the "1" minute button to increase the time, or the "2" minute button to decrease the time. Once the corrected time is set, press and hold the "PACE" button for three seconds to exit the programming mode.

Program Enable Buttons

The control cannot be put into the programming mode if any of the timers are running. The two blue dots above the "CINNABON" logo are the program enable buttons. Press the left dot then the right dot within 3 seconds to put the control into a programming mode. Once the shelf position buttons are set, press the left dot then the right dot within 3 seconds to exit the programming mode. There will be no beeper sound when the buttons are pressed.

Shelf Position Buttons

Put the control into the programming mode. Press the shelf button to be adjusted once for "C" product, twice for "P" product, or three times for "E" product. The display will read out "00:00" then begin to flash. Press the one-minute timer button to increase the time, or the two-minute timer button to decrease the time. Once the correct time is set move on to another shelf position button or exit the programming mode.

MAINTENANCE

- Oven interiors should be wiped down daily and thoroughly cleaned weekly using warm water and mild detergent.
 DO NOT use caustic cleaners.
- The appliance should be thoroughly checked at six-monthly intervals by a qualified technician (heating unit, mechanical stability, corrosion...) with particular emphasis on all control and safety devices.

CLEANING

- · Always start with a cold oven.
- The stainless exterior can easily be cleaned using stainless steel cleaner.
- Always follow the cleaner manufacturer's instructions when using any cleaner.
- Care should be taken to prevent caustic cleaning compounds from coming in contact with the fan wheel.
- The oven racks, rack slides, may be cleaned outside the oven cavity using oven cleaner.
- Using any harsh chemicals will result in the removal of the ETC coating and etching of the
 porcelain below it. The oven interior should only be cleaned using a mild soap and a non metal scouring pad.
 DO NOT use caustic cleaners.
- Always apply stainless steel cleaners when the oven is cold and rub in the direction of the metal's grain.



KEEP WATER AND SOLUTIONS OUT OF CONTROLS. NEVER SPRAY OR HOSE CONTROL CONSOLE, ELECTRICAL CONNECTIONS, ETC.



MOST CLEANERS ARE HARMFUL TO THE SKIN, EYES, MUCOUS MEMBRANES AND CLOTHING. PRECAUTIONS SHOULD BE TAKEN TO WEAR RUBBER GLOVES, GOGGLES OR FACE SHIELD AND PROTECTIVE CLOTHING.

CAREFULLY READ THE WARNING AND FOLLOW THE DIRECTIONS ON THE LABEL OF THE CLEANER TO BE USED.

NEVER LEAVE A CHLORINE SANITIZER IN CONTACT WITH STAINLESS STEEL SURFACES LONGER THAN 10 MINUTES. LONGER CONTACT CAN CAUSE CORROSION.

Troubleshooting

Symptoms & Possible Causes

The following are charts of Symptoms and Possible Causes to aid in diagnosing faults with your unit.

Refer to the symptoms column to locate the type of failure then to the Possible Cause for the items to be checked.

To test for a possible cause refer to test to identify test procedures. Test indicated with an "*" should be done by a Lang factory authorized service representative.

Symptoms	Possible Cause	Possible Cause	Test	
	No power to cord outlet	Product is cooked too long	No test available, operational	
	Oven unplugged from outlet		condition	
Power indicator is not lit	Failed Power cord or plug	Failed Probe	Check probe for proper resistance*	
	Failed power switch	 	Confirm that Circuit board is getting	
	Failed indicator light	Failed Circuit board	correct voltage and putting out correct voltage*	
	Power Switch is not "ON"		Check both Primary and Secondary	
	Failed Transformer	Failed Transformer	coils for correct voltage*	
	Failed Probe		Remove the wires from the	
Oven will not heat	Failed Circuit board		contactor coil and check for	
	Failed Contactor	Failed Contactor	continuity across the contactor coil connection*	
	Failed Over-temperature Thermostat		Ensure the contactor moveable	
	Failed Element		points move freely up and down*	
	Power Switch is not "ON"		Confirm that motor is getting correct	
Oven motor will not run	Failed Transformer	Failed Motor	voltage*	
Over motor will not run	Failed Contactor	Failed or disconnected safety	Check across the thermostat	
	Failed Motor	thermostat	connectors for continuity*	
	Product is cooked too long	Failed Element	Confirm that Elements are getting	
Product burning	Failed Probe		correct voltage and have continuity*	
	Failed Circuit board			
	Product is not cooked long enough			
Product is under done	Failed Probe			
	Failed Circuit board			

NOTICE

If an item on the list is followed by an asterisk (*), the work should be done by a Lang factory authorized service representative.



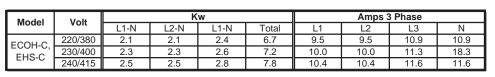
USE OF ANY REPLACEMENT PARTS OTHER THAN THOSE SUPPLIED BY LANG OR THEIR AUTHORIZED DISTRIBUTORS CAN CAUSE BODILY INJURY TO THE OPERATOR AND DAMAGE TO THE EQUIPMENT AND WILL VOID ALL WARRANTIES.

NOTICE

Service on this or any other Lang appliance must be performed by qualified personnel only. Consult your Lang Authorized Service Agent Directory. You can call our toll free number 1-800-807-9054 or visit our website WWW.STAR-MFG.COM for the service agent nearest you.



BOTH HIGH AND LOW VOLTAGES ARE PRESENT INSIDE THIS APPLIANCE WHEN THE UNIT IS PLUGGED/WIRED INTO A LIVE RECEPTACLE. BEFORE REPLACING ANY PARTS, DISCONNECT THE UNIT FROM THE ELECTRIC POWER SUPPLY.



HEATERS 2500W EA.

9

Model	Volt		Kw Per	Phase		A	mps 3 Pha	se
Wiodei	VOIL	L1-L2	L2-L3	L1-L3	Total	L1	L2	L3
ECOH-C,	208	2.5	2.5	2.8	7.8	22.1	20.8	22.1
EHS-C	240	2.5	2.5	2.8	7.8	19.1	18.0	19.1

_								
Power Connection Phasing Instructions								
Voltage		Wiring Th	ree Phase	Wirii	ng Single Pl	nase		
208	Line 1	Line 2	Line 3	Neutral	Line 1	Line 2	Neutral	
240	1 & 4	2 & 5	3 & 6	-	1,3&5	2, 4, & 6	-	
440	1 & 4	2 & 5	3 & 6	-	1,3&5	2, 4, & 6	-	
230/380	1	2	3	2, 4, & 6	1,3&5	-	2, 4, & 6	
230/400	1	2	3	2, 4, & 6	1,3&5	-	2, 4, & 6	
240/415	1	2	3	2, 4, & 6	1,3&5	-	2, 4, & 6	

ENERGY SWITCH

NO NC DOOR SWITCH

16

POWER SWITCH

oggoind Find Ho



RTD SENSOR

NIES O Q M

OPTIONAL STEAM SWITCH

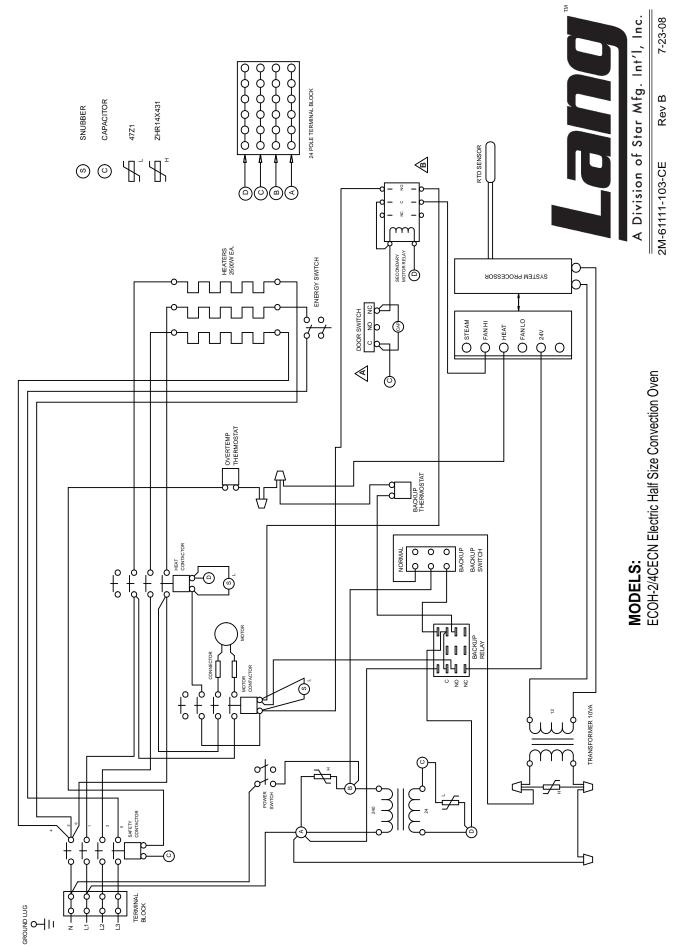
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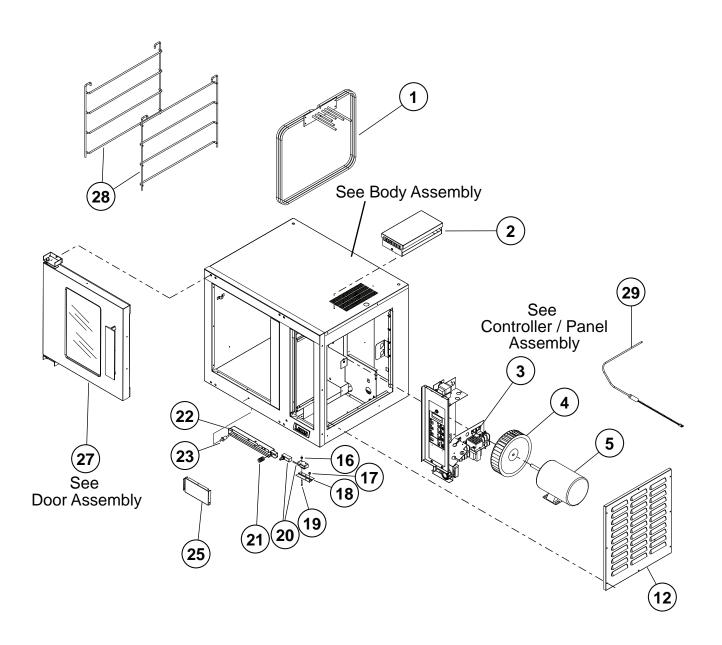
SYSTEM PROCESSOR

OPTIONAL WATER VALVE

A Division of Star Mfg. Int'l, Inc. Rev F 2M-61111-39

MODELS: ECOH-C & EHS-C-208/240V W/STEAM OPTION







Model No: ECOH-C2/3VCN, ECOH-C2/4VCN, ECOH-C208CNF, ECOH-C208VCN, ECOH-C240VCN, ECOH-2/4CECN

Commercial Half Size Economy Convection Oven

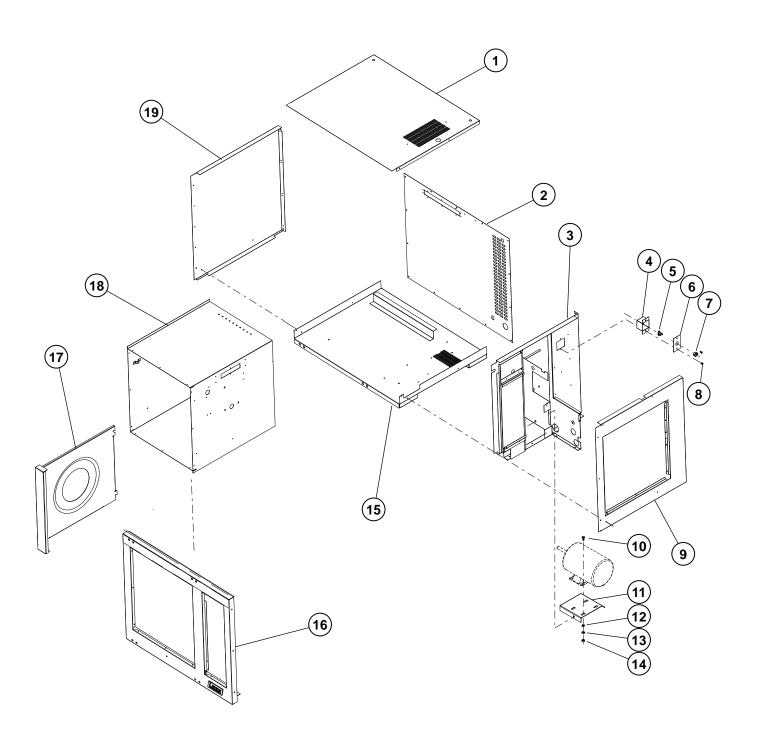
Key Number	Part Number	Qty Per	Description	
1	2N-11090-20	1	ELMNT EHS 208V 7.5KW	ECOH-C208VCN
1 1	2N-11090-23	1	ELMNT EHS OVEN 208VAC 5.0	ECOH-C208CNF
	2N-11090-21	1	ELMNT EHS 240V 7.5KW	ECOH-C2/3VCN, ECOH-C2/4VCN, ECOH-
	211 11000 21	•	22.11.11 2.10 2.10 7.101111	C240VCN, ECOH-2/4CECN
2	Q9-EH-623-1	1	VENT CAP ASSY - EHS	ECOH-C208CNF, ECOH-C208/240VCN
3	Q9-EHPLMDR-C	1	PNL EH 208/240V CINNABON	ALL
3	Q9-EHPLMDR-HCE	1	PNL EH 220/380/240/415 CE	ECOH-2/4CECN
1 1		1		ALL
4	2U-71500-06	1	BLOWER WHEEL EHS OVEN	
5	2U-30200-12	-	MTR 1/3HP 115/208-240 1PH	ECOH-C2/3VCN, ECOH-C208VCN
10	2U-30200-17	1	MTR 1/3HP208/204V1PH2SPD	ECOH-C208CNF
12	Q9-60102-1368	_	MOTOR COVER EH (EH-141) & HRDW	
16	2C-20301-10	2	NUT HEX 6-32 PLTD	ALL
17	2C-20101-65	2	SCRW MS PLT 10-32 X .25 THD	ALL
18	Q9-EH-356	1	SWITCH BRACKET	ALL
	Q9-EH-356-2	1	DOOR SWITCH BRACKET - CE	ECOH-2/4CECN
19	2C-20101-17	2	SCRW RND MS 6-32X1 PLTD	ALL
20	Q9-EH-363	1	SWITCH ARM, MICRO	ALL
21	2P-51001-12	1	SPRING COMPRSN.665ID X 1.4 LONG	ALL
22	Q9-EH-250	1	WELD SWITCH ARM	ALL
23	Q9-EH-350	1	SWITCH PLUNGER - ASSY	ALL
25	Q9-60102-112	1	SWITCH DOOR - ASSY EH	ALL
27	Q9-51100-53	1	CMPLT DOOR ASSY EHS/GHS WNDW	
28	2B-50200-97	2	RACK SLIDE - EHS - MB	ECOH-C2/3VCN, ECOH-C2/4VCN, ECOH-
		_		C20CNF, ECOH-C208VCN, ECOH-C240VCN
29	2E-41100-12	1	SENSOR EHS OVEN 450°	ECOH-C2/3VCN, ECOH-C2/4VCN, ECOH- C20CNF, ECOH-C208VCN, ECOH-C240VCN
NI	2B-50200-34	4	RACK HALF SIZE OVENS	ALL
NI		4		ECOH-C2/4VCN
	2B-50200-34	5	RACK HALF SIZE OVENS	ECON-CZ/4VCN
NI NI	2C-20108-01	2	STACKING PINS	F0011 00/0\/0N
NI	2K-70801-02	2	SNAP BUSH 1 3/8 SB1375-16	ECOH-C2/3VCN
NI	2K-70801-04	8	SNAP BUSH 3/4 SB750-10	***
NI	2M-61111-39		WD EHS-C OVEN	ALL
NI	Q9-60102-97	1	DOOR SEAL EH w/ mounting hardware	
NI NI	2E-30500-15 2E-30701-05	1 1	TRM BLOCK 4 POLE 115AMP CONTC 2POLE 30A 24VAC	ECOH-C2/3VCN, ECOH-C2/4VCN ECOH-C2/3VCN, ECOH-C2/4VCN, ECOH- C208CNF, ECOH-C208VCN, ECOH-C240VCN

IMPORTANT: WHEN ORDERING, SPECIFY VOLTAGE OR TYPE GAS DESIRED INCLUDE MODEL AND SERIAL NUMBER

PAGE 1 OF 2

Some items are included for illustrative purposes only and in certain instances may not be available.





ECOH Body Assembly



PARTS LIST
May 16, 2008, Rev E

Model No: ECOH-C2/3VCN, ECOH-C2/4VCN, ECOH-C208CNF, ECOH-C208VCN, ECOH-C240VCN, ECOH-2/4CECN

BODY PANELS Commercial Half Size Economy Convection Oven

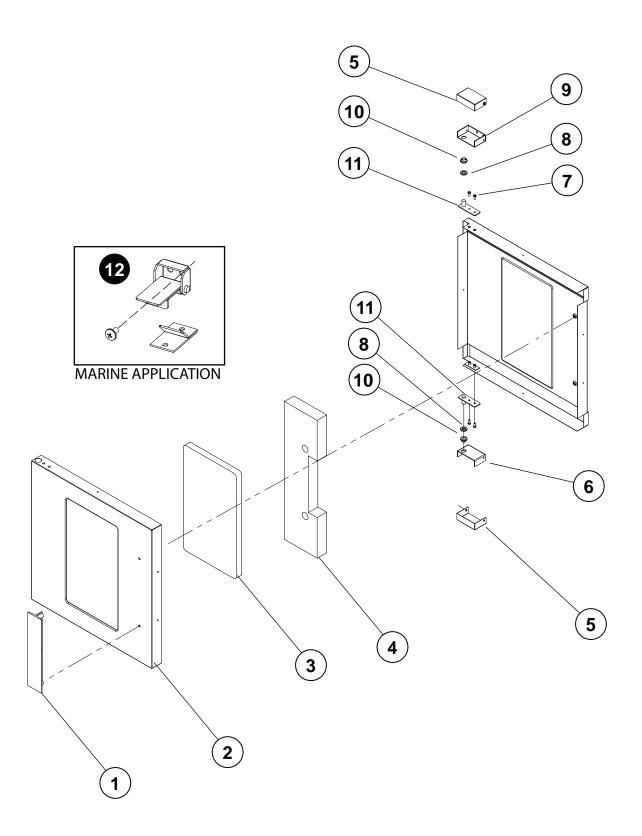
Key Number	Part Number	Qty Per	Description			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q9-EH-129-5 Q9-60102-1361 Q9-EH-119-2 Q9-EH-135 2T-30401-09 Q9-EH-136 2K-70801-04 2C-20103-02 Q9-60102-1364 2C-20104-41 Q9-EH-209 2C-20202-08 2C-20201-09 2C-20301-06 Q9-EH-104-2 Q9-EH-215-2 Q9-EH-452-3 Q9-EH-374-3 Q9-60102-1365	1 1 1 1 1 1 2 1 4 4 4 1 1 1 1 1	TOP - BODY W/VENT BODY BACK EH & HRDW FIREWALL - ASSY SAFETY STAT BOX STAT FXD 500° DEG OPEN SAFETY STAT COVER SNAP BUSH 3/4 SB750-10 BLK SCRW SM PLT 10 X .5 PHLSL BODY R/H SIDE EH & HRDW SCRW MACH. 1/4-20X5/8 H/H MOTOR MOUNT WSHR PLT 5/16 LOCK SPLIT WSHR PLT 5/16 FLAT SAE NUT HEX 5/16-18 PLTD BOTTOM SPOT WELD FRONT - ASSY REVERSIBLE BAFFLE STD BAFFLE ASSY STEAM CAN ASSY STD -[NEW RACK BODY L/H SIDE EH & HRDW	ALL		
	IMPORTANT: WHEN ORDERING SPECIES VOLTAGE OR TYPE GAS DESIRED. PAGE 1					

IMPORTANT: WHEN ORDERING, SPECIFY VOLTAGE OR TYPE GAS DESIRED INCLUDE MODEL AND SERIAL NUMBER

PAGE 1

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ECOH, RCOH Door Assembly



PARTS LIST

May 16, 2008, Rev E

Model No: ECOH-C2/3VCN, ECOH-C2/4VCN, ECOH-C208CNF, ECOH-C208VCN, ECOH-C240VCN, ECOH-2/4CECN Door Assembly Commercial Half Size Economy Convection Oven

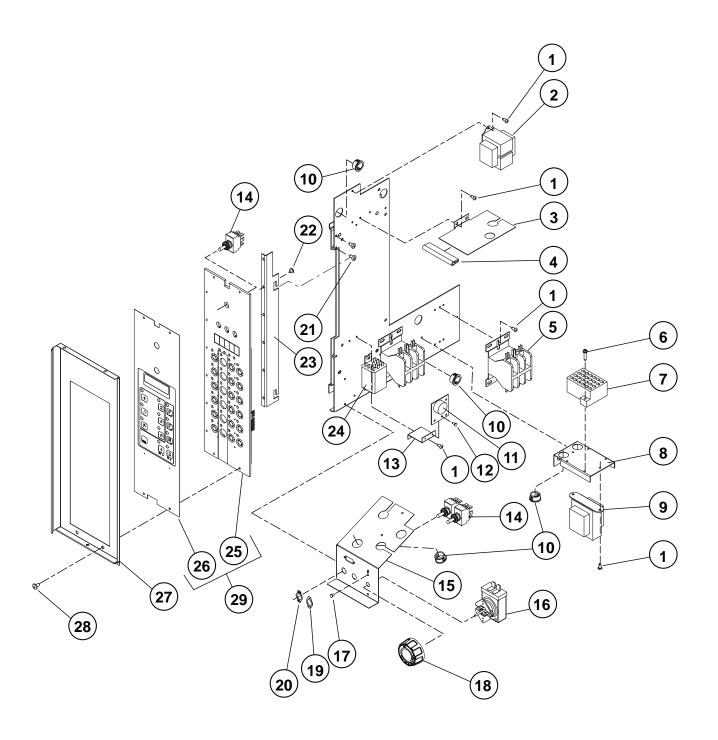
Key Number	Part Number	Qty Per	Description	
0 1 2 3 4 5 6 7 8 9 10 11 12	Q9-51100-53 2R-50800-12 Q9-60102-1362 2Q-71301-04 2H-60106-17 Q9-EH-266 2C-20109-15 2P-70201-01 Q9-EH-265 2P-70201-19 Q9-50313-031 N/A	1 1 1 1 1 2 1 4 2 1 2 1	COMPLETE DOOR ASSY w/WINDOW DOOR T HANDLE 11 1/2 LNG OUTER DOOR EH NO/LOGO WINDOW ASSY 9-5/8X16-5/8 INSULATION KIT EHS DOOR - HINGE COVER HINGE BOTTOM SCRW PHD MS SS 10-32X1/2 BRNZBR.505IDX.8750DX.175 HINGE TOP BRNZBRFLN1/2IDX5/8ODX3/8 HINGE PIN - WELD DOOR LATCH ASSY	ALL
			EY VOI TAGE OR TYPE GAS DESIRE	D PAGE 1

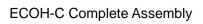
IMPORTANT: WHEN ORDERING, SPECIFY VOLTAGE OR TYPE GAS DESIRED INCLUDE MODEL AND SERIAL NUMBER

PAGE 1 1 1

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PARTS LIST

May 16, 2008, Rev E

Model No: ECOH-C2/3VCN, ECOH-C2/4VCN, ECOH-C208CNF, ECOH-C208VCN, ECOH-C240VCN, ECOH-2/4CECN CONTROL PANEL ASSEMBLY Commercial Half Size Economy Convection Oven

Key Number	Part Number	Qty Per	Description		
1	2C-20102-08	15	SCRW PHD ST 8-32X.375	ALL	
2	2E-31400-12	1	XFRMR 240V/12V 10VA CLASS	ALL	
	2E-31400-28	1	XFORMR208-240/24VCT 40VA	ECOH-2/4CECN	
3	Q9-EH-513	1	24V TANSFORMER SHIELD	ALL	
4	Q9-EH-501	1	TRIMLOCK 3	ALL	
5	2E-30700-06	2	CONTC3POLE35A24VAC50/60HZ	ALL	
	2E-30700-00 2E-30702-02	3	CONTC 4POLE 24V 25FLA CE	ECOH-2/4CECN	
6	2C-20102-05	2	SCRW HXHD ST 8-32X.75	ALL	
7	2E-30503-01	1	TRM BLOCK 24 POS QK CON	ALL	
8	Q9-EH-507	1	TERMINAL BLOCK MOUNT	ALL	
9	2E-31400-07	1	XFORMR120-208-240/24V40VA	ALL	
9	2E-31400-28	1	XFORMR208-240/24VCT 40VA	ECOH-2/4CECN	
10	2K-70801-04	4	SNAP BUSH 3/4 SB750-10	ALL	
11	2J-40102-17	1	BUZZER BOARD ASSY	ALL	
12	2C-20103-06	2	SCRW SM PLT 6 X 3/8 PHL	ALL	
13	Q9-GCCO-355	1	BUZZER BOARD MOUNT	ALL	
14	2E-30303-06	3	SWT TOG ON-ON DPDT BLK	ALL	
	2E-30303-19	3	SWT TOG ON-ON DPDT BLK	ECOH-2/4CECN	
15	Q9-EH-509	1	SWITCH BRACKET	ALL	
16	2T-30402-27	1	STAT ADJ 450 DEG 48 PILOT	ALL	
	2T-30402-37	1	STAT ADJ 450 DEG45 PILT	ECOH-2/4CECN	
17	2C-20101-77	2	SCRW MS PLT 6-32 X .25	ALL	
18	Y9-70701-19	1	KNOB ASSY 450o D	ALL	
	P9-70701-58	1	KNOB ASSY 450° D CELCIUS	ECOH-2/4CECN	
19	2E-30303-09	1	SWT PLATE HI/LOW	ALL	
20	2E-30303-05	1	SWT PLATE ON/OFF IND	ALL	
21	2C-20102-12	7	SCRW PHD ST 10-32X3/8	ALL	
22	2C-20101-51	6	SCRW MS PLT 8-32 X .1875	ALL	
23	Q9-EH-503	1	FRONT PANEL HOLDER C,P,PP	ALL	
24	2E-30600-02	1	RELAY 240VAC 3FORMC FLNG	ALL	
25	Q9-40102-53	1	CIRBD CPU/FRONT PANEL	ALL	
26	2M-60301-83	1	PANEL LBL PURPLE-CUSTOM	ALL	
27	Q9-EH-518	1	CONTROL PANEL - C	ALL	
28	2C-20101-24	4	SCRW MS PLT 10-32 X .375	ALL	
29	Q9-40102-60-2	1	CRBD CPU/FRT PANEL CINN	ALL	
NI I	2E-30500-15	1	TRM BLOCK 4 POLE 115AMP	ECOH-2/4CECN	
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STAR MANUFACTURING

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