

### Installation, Operation, and Maintenance Instructions with Troubleshooting

**Electric Full Size Economy Convection Oven** 

Models:

FCOFL-AT (Lower)

FCOF-AT (Upper)

THIS MANUAL MUST BE RETAINED FOR FUTURE REFERENCE. READ, UNDERSTAND AND FOLLOW THE INSTRUCTIONS AND WARNINGS CONTAINED IN THIS MANUAL.

### **FOR YOUR SAFETY**

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

POST IN A 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, OPERATING AND MAINTENANCE INSTRUCTIONS THOROUGHLY BEFORE INSTALLING OR SERVICING THIS EQUIPMENT.

Model #:	Purchased From:
Serial #:	Location:
Date Purchased:	Date Installed:
Purchase Order #:	For Service, Call:

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### IMPORTANT READ FIRST IMPORTANT

**CAUTION:** EACH UNIT WEIGHS 275 LBS. FOR SAFE HANDLING,

INSTALLER SHOULD OBTAIN HELP AS NEEDED, OR EMPLOY APPROPRIATE MATERIALS HANDLING

EQUIPMENT (SUCH AS A FORKLIFT, DOLLY, OR PALLET JACK) TO REMOVE THE UNIT FROM THE SKID AND

MOVE IT TO THE PLACE OF INSTALLATION.

**CAUTION:** ANY STAND, COUNTER OR OTHER DEVICE ON WHICH

OVEN WILL BE LOCATED MUST BE DESIGNED TO

SUPPORT THE WEIGHT OF THE OVEN.

**CAUTION:** SHIPPING STRAPS ARE UNDER TENSION AND CAN

SNAP BACK WHEN CUT.

DANGER: THIS APPLIANCE MUST BE GROUNDED AT THE

TERMINAL PROVIDED. FAILURE TO GROUND THE APPLIANCE COULD RESULT IN ELECTROCUTION AND

DEATH.

**WARNING:** INSTALLATION OF THE UNIT MUST BE DONE BY

PERSONNEL QUALIFIED TO WORK WITH ELECTRICITY.
IMPROPER INSTALLATION CAN CAUSE INJURY TO
PERSONNEL AND/OR DAMAGE TO EQUIPMENT. UNIT
MUST BE INSTALLED IN ACCORDANCE WITH ALL

APPLICABLE CODES.

NOTICE: The data plate is located behind circuit breaker door on

oven. 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.

**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.

**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 oven and

will disappear after the first few hours of use.

**CAUTION:** 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.





















### IMPORTANT READ FIRST IMPORTANT

WARNING: KEEP WATER AND SOLUTIONS OUT OF CONTROLS.

**NEVER SPRAY OR HOSE CONTROL CONSOLE,** 

**ELECTRICAL CONNECTIONS, ETC.** 

**CAUTION:** 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.** 

**NOTICE:** Service on this, or any other, LANG appliance must be

performed by qualified personnel only. Consult your LANG authorized service agent directory or call the factory at 1-800-807-9054, or WWW.STAR-MFG.COM for

the service agent nearest you.

WARNING: 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.** 

CAUTION: 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.** 











### **EQUIPMENT DESCRIPTION**

Model: FCOFL-AT/FCOF-AT

### **Exterior Construction**

The oven exterior dimensions are 36" (91.44cm) Wide, 22" (55.88cm) High, 34" (86.36cm) Deep. The Front, Back, and Sides are constructed of stainless steel with an aluminized top and bottom.

The door handle is constructed of Polycarbonate.

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

### **Interior Construction**

The oven cavity dimensions are 20" (50.8cm) Wide, 17" (43.18cm) High, 29" (73.66cm) Deep.

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

The interior of the oven is constructed of aluminized steel.

### Operation

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

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

### **Controls**

Easy to use manual control knobs.

Mechanical temperature sensing and controls.

### Technical

Oven operates as shipped on 208, 240, or 480-Volt Single, or Three Phase.

Floor space required is 42" (106.68cm) Wide, 37" (94cm) Deep.

The oven weighs 275 lb.

The ovens are stackable and can include stacking kit if requested.

### 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 loss or damage, which 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 Lang 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.** 

**CAUTION:** THE OVEN WEIGHS 225 LBS. FOR SAFE HANDLING,

INSTALLER SHOULD OBTAIN HELP AS NEEDED, OR EMPLOY APPROPRIATE MATERIALS HANDLING

EQUIPMENT (SUCH AS A FORKLIFT, DOLLY, OR PALLET JACK) TO REMOVE THE UNIT FROM THE SKID AND

MOVE IT TO THE PLACE OF INSTALLATION.

**CAUTION:** ANY STAND, COUNTER OR OTHER DEVICE ON WHICH

THE OVEN WILL BE LOCATED MUST BE DESIGNED TO

SUPPORT THE WEIGHT OF THE OVEN.

CAUTION: SHIPPING STRAPS ARE UNDER TENSION AND CAN

SNAP BACK WHEN CUT.

Remove Oven from skid and place in intended location.







### INSTALLATION

**DANGER:** THIS APPLIANCE MUST BE GROUNDED AT THE

TERMINAL PROVIDED. FAILURE TO GROUND THE APPLIANCE COULD RESULT IN ELECTROCUTION AND

DEATH.

WARNING: 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 BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.

NOTICE: The data plate is located behind circuit breaker door on

oven. 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.

**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.

### Leg Installation

Legs are available for single, double, and triple, installations. Single deck installations require a 27-inch leg, double deck installations require a 16-inch leg, and triple deck installations require a 6-inch leg.

To install the 27-inch legs, place some cardboard on the floor and gently tip the oven onto its back. Fasten two legs to the oven's front. Lift the oven onto its front legs and block the back up using one of the 27-inch legs set upside down in the center rear of the oven body. Install the last 27-inch leg onto the oven body on the control side rear. Gently lift the oven rear, remove the leg set to support the oven center and install it on the last rear corner.

To install the 16-inch legs follow the same instructions as the 27-inch legs and then proceed to "Stacking the Ovens" for the second deck installation.

To install the 6-inch legs, place some cardboard on the floor and gently tip the oven onto its back. Fasten the four 6-inch legs onto the bottom of the oven. Gently lift the oven onto the legs and proceed to the "Stacking the Ovens" for the second and third deck installation.









### INSTALLATION

### Stacking the Ovens

Stacking kits must be requested upon purchase.

Remove all the plug buttons from the top of the lower oven.

Remove the stacking kit from the oven compartment of one oven and install the 1 1/4-inch plastic bushing into the top of the lower oven.

Tip the top oven backwards and install two pins into the front leg holes of the top oven.

Route the wires 1 and 2 from the upper deck through the 1  $\frac{1}{4}$ -inch knockout in the bottom of the oven through the 1  $\frac{1}{4}$ -inch knockout in the top of the bottom oven to the main terminal block in the bottom oven. Refer to wiring diagram for proper phasing.

Lift the top oven and gently set on top of the lower oven so that the studs nest into the holes of the lower oven.

If placing a range top onto the oven, see the installation section of the range top for installation directions.

### **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 on the oven bottom. A three pole terminal block is provided for connection.

### **INITIAL START-UP**

### **INITIAL PREHEAT**

Prior to putting any oven into full time operation at normal cooking temperatures, it must be thoroughly dried out. Moisture absorption in the closed spaces, in the insulation, and even inside the heating elements can cause future trouble if not properly treated.

To "dry out" the oven, set the thermostat to 250°F and turn on the power switch. Allow the unit to cycle at least 15 minutes at this heat level. Reset the thermostat to 350°F allow the same time. Reset the thermostat to 450°F and allow the unit to maintain the temperature for a minimum of 4 hours. More time may be required if the unit has to operate in moist environment.

If the unit is out of use for three or more days, a one-hour preheat schedule should be used, especially when exposed to high humidity and/or cool temperatures.

### 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 range and will disappear after the first few hours of use.

### **OPERATION**

**CAUTION:** 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**

The convection oven roasts and bakes in shorter time and at lower temperatures with less shrinkage than conventional commercial ovens.

A blower in the Lang convection oven circulates air within the chamber to heat the entire space evenly and transfer heat efficiently to the product, even with stacked loading.

The airflow continuously removes the thick layer of moist, cool air that otherwise would surround the product. When properly loaded and operated, it maintains this airflow throughout the chamber to eliminate hot spots and roasts or bakes with minimum power consumption at twice the output capacity of a conventional oven.

The power switch on the lower portion of the control panel energizes the fan motor and activates the thermostatically controlled circuit for the oven heating elements. When this switch is in the on position, the red indicator light will illuminate.

Rotating the thermostat control knob from "off" position to selected temperature causes the indicator light to illuminate and closes the contactor that feeds power to the heating elements. This light will cycle "on and off" as the thermostat calls for heat in the oven. The blower, however, operates continuously while the power switch is in the "on" position.

The black control knob operates a damper in the oven vent stack. Damper is open when knob is pulled outward.

Circuit breakers behind the control panel protect the electrical components from overload.

### Typical Operation

ACTION	RESULT
Turn power switch to ON.	Control panel heat call light comes on.
Adjust proper temperature, between 140°F& 450°F and allow preheating for 20 minutes.	Oven begins heating.
Open oven doors and insert product. Set timer for up to 60 minutes.	Timer begins counting down.
Timer rings when done.	Product should now be done.





### Cleaning

WARNING: KEEP WATER AND SOLUTIONS OUT OF

CONTROLS. NEVER SPRAY OR HOSE CONTROL CONSOLE, ELECTRICAL

**CONNECTIONS, ETC.** 

**CAUTION:** 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.

The oven should be thoroughly cleaned at least once a week in addition to the normal daily cleaning to insure against the accumulation of foreign material.

- 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 blower wheel.
- The oven racks, rack slides, and interior may be cleaned using oven cleaner.
- Discoloration or heat tint may be removed using a Carbon Release oven cleaner.
- The oven interior should be cleaned using a mild soap and a non metal scouring pad. **DO NOT use caustic cleaners.** 
  - Always apply these cleaners when the oven is cold and rub in the direction of the metal's grain.

Electric equipment is inherently clean and sanitary, but may become unsanitary if grease is allowed to accumulate on it. Take advantage of the clean, sanitary features of electric equipment, give it the regular attention that it deserves the same as any other highly perfected machinery, to insure best results and continued high operating efficiency.





### **TROUBLE SHOOTING**

### **Symptoms**

What follows is a chart of Symptoms, Possible Causes, and Remedy's to aid in diagnosing faults with the oven.

Refer to the Symptoms column to locate the type of failure then to the Possible Cause for the items to be checked and the Remedy to column for possible solutions.

SYMPTOM	POSSIBLE CAUSE
Oven will not heat	Oven circuit breaker not on Incorrect wiring Defective transformer Defective fuses Defective contactor Defective thermostat Defective element
Oven motor will not run	Incorrect wiring Defective transformer Defective fuses Defective contactor Defective motor
Product burning	Product cooked too long Oven out of calibration Defective transformer
Product under cooked	Product not cooked long enough Oven out of calibration Defective thermostat

**TESTS** 

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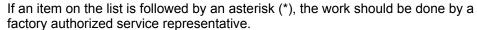
For the service agent nearest you.

WARNING: 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.



Possible Cause	TEST
Oven circuit breaker not on	Cycle breaker to the "ON" position.
Incorrect wiring	Confirm that oven is getting proper voltage* Confirm that oven is phased correctly*
Defective transformer	Confirm that primary coil has the correct voltage* Confirm that secondary coil has the correct voltage*
Defective fuses	Replace fuses
Defective contactor	Confirm that contactor coil has correct voltage* Confirm that contactor points move freely
Defective thermostat	Confirm that thermostat has correct voltage* Confirm that thermostat is operating properly
Defective element	Confirm that elements has correct voltage* Confirm that elements are pulling correct amps*
Defective motor	Confirm that motor has correct voltage* Confirm that motor is pulling correct amps*

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### **CALIBRATION**

### **Calibration Check**

Place thermometer or thermocouple in the center of oven cavity.

Set thermostat to 350°F.

Allow the oven to Preheat for at least half an hour.

Note cycle on temperatures and cycle off temperatures for 3 cycles. (Red indicator light indicates when oven is calling for heat)

After 3 cycles average the temperature. (Add all six temperatures and divide by 6)

### **Calibration Adjustment**

A 1/16" flat blade screwdriver with a 2" shaft is required to make adjustments on the thermostat.

Maintain the oven temperature at 350°F.

Without turning the thermostat, remove the knob.

Locate the adjustment screw at the base of the shaft and insert the screwdriver. Grasp the shaft and turn the screw. Counter clockwise to increase and clockwise to decrease (1/8 of a turn will move the temperature 5-7  $^{\circ}$  in either direction). Reinstall the oven knob and recheck the oven temperature.

### REMOVAL INSTRUCTIONS

### Thermostat, Contactor, Transformer, and Switch

These parts are located behind the control panel assembly on the right hand side of the oven. To access control panel secure unit from power, remove the vent knob and the seven screws around the outside of the control panel assembly. Slowly pull the control panel toward you until the component is accessible.

### **Thermostat**

Secure oven from power. Inside the oven, remove the fan baffle and the retaining clips holding the thermostat capillary tube to the inside of the oven. Feed the bulb through the oven wall into the control panel area. Pull out control panel as previously outlined. Remove the wires from the old thermostat and attach to the corresponding terminal of the new thermostat. Remove knob and two screws that hold the thermostat to the oven control panel. Discard old thermostat. Reinstall the thermostat and capillary tube into oven and the control panel and restore power to the oven. Test for proper operation.

### **Contactor and Switch**

Pull out control panel as previously outlined. Remove the wires from the contactor or switch being changed. Place those wires on the corresponding terminal of the new contactor or switch. Remove old contactor or switch and mount new contactor or switch with wires attached. Discard old contactor or switch. Reinstall the control panel and restore power to the oven. Test for proper operation.

### **Transformer**

Pull out control panel as previously outlined. Remove the wires from the old transformer. Place the wires on the corresponding terminal of the new transformer. Remove old transformer and mount new transformer with wires attached. Discard old transformer. Reinstall the control panel and restore power to the oven. Test for proper operation.

### **Blower Wheel**

Secure oven from power. Inside the oven, remove the racks and right hand rack slide. Remove wing nut holding oven baffle. Remove oven baffle exposing the blower wheel. Loosen the two 1/4-20-set screws holding the blower wheel to the motor shaft. Using a three-fingered wheel puller, grasp the puller ring with all three fingers and tighten the puller until the blower wheel hub clears the motor shaft. Place new blower-wheel on the motor shaft and position the new blower wheel so that it is flush with front inlet ring. Tighten the set-screw over the flat spot on the motor shaft and spin the blower wheel to confirm that blower wheel is strait. Adjust if necessary and tighten second set screw. Test for proper operation.

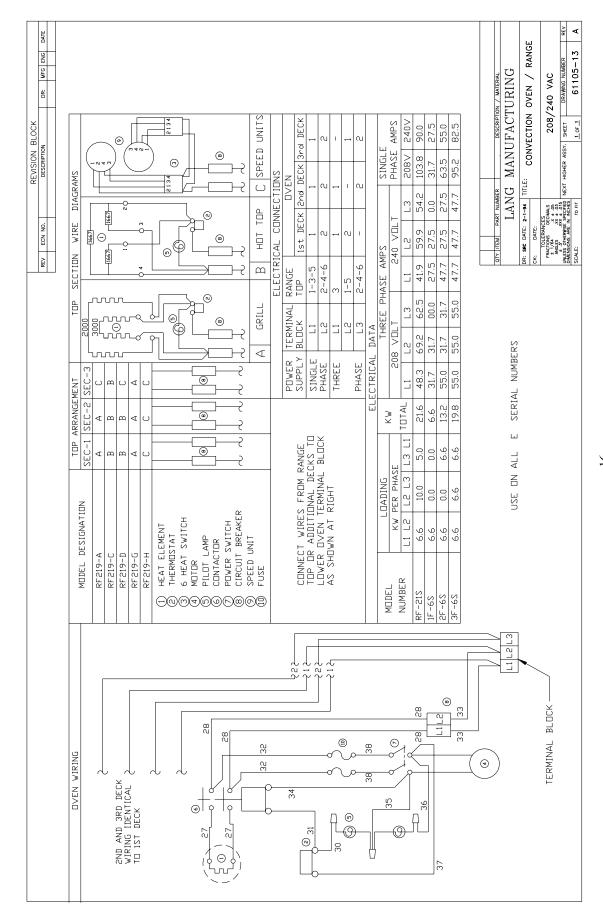
### Motor

Remove the blower wheel as outlined above. Once blower wheel is removed, remove the six bolts holding the motor plate to the side wall of the oven. Gently pull the motor out and lay on the bottom of the oven cavity. Note each wire location on the motor and remove the wires. Remove motor from cavity and remove old motor from motor mounting plate. Attach new motor to motor mounting plate. Reverse removal instructions to assemble. Discard old motor and test for proper operation.

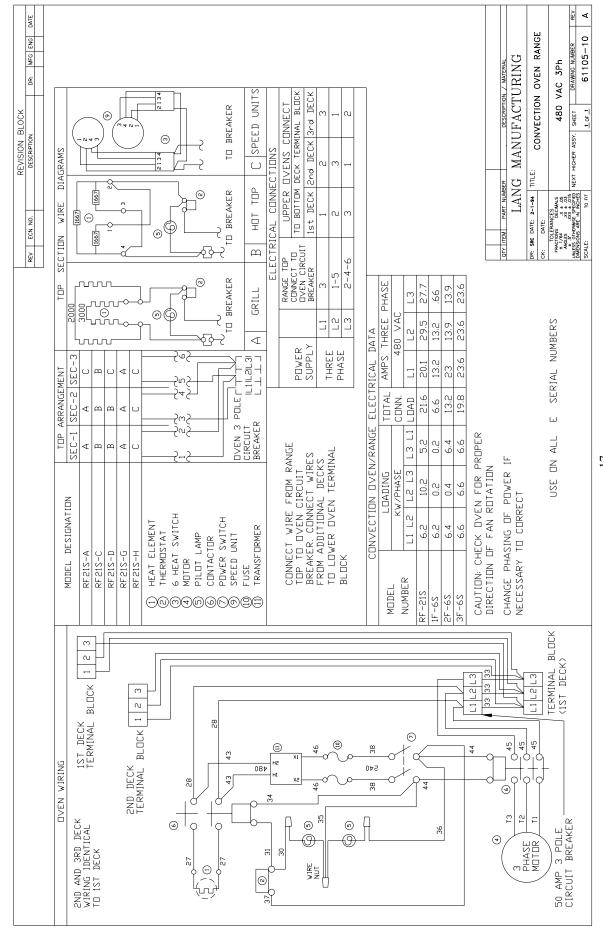
### **Elements**

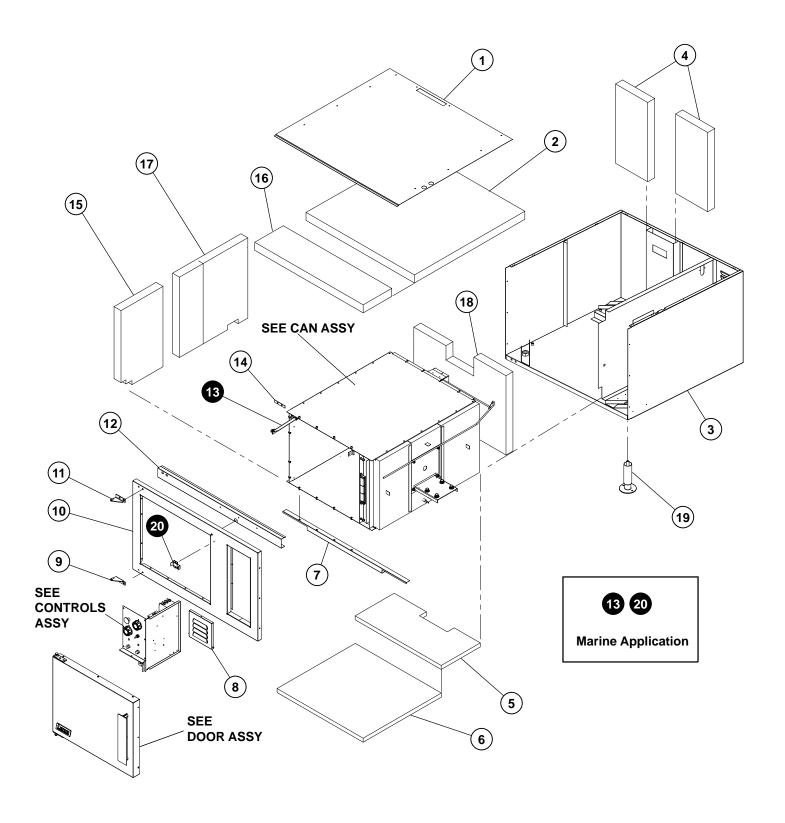
Remove oven racks and right hand rack slide from oven. Remove the wing nuts holding oven baffle to right hand of oven. Remove oven baffle from oven. Remove 4 screws holding oven elements to right hand of oven. Gently pull elements away from right hand of oven. Noting wire locations disconnect wires from element. Discard old element. Reverse removal instructions to assemble.

# WIRING DIAGRAM 208/ 240



## **WIRING DIAGRAM 480**





### Model:

FCOF & FCOFL MAIN ASSEMBLY F6S MAIN ASSEMBLY



PARTS LIST

June 6, 2008, Rev B

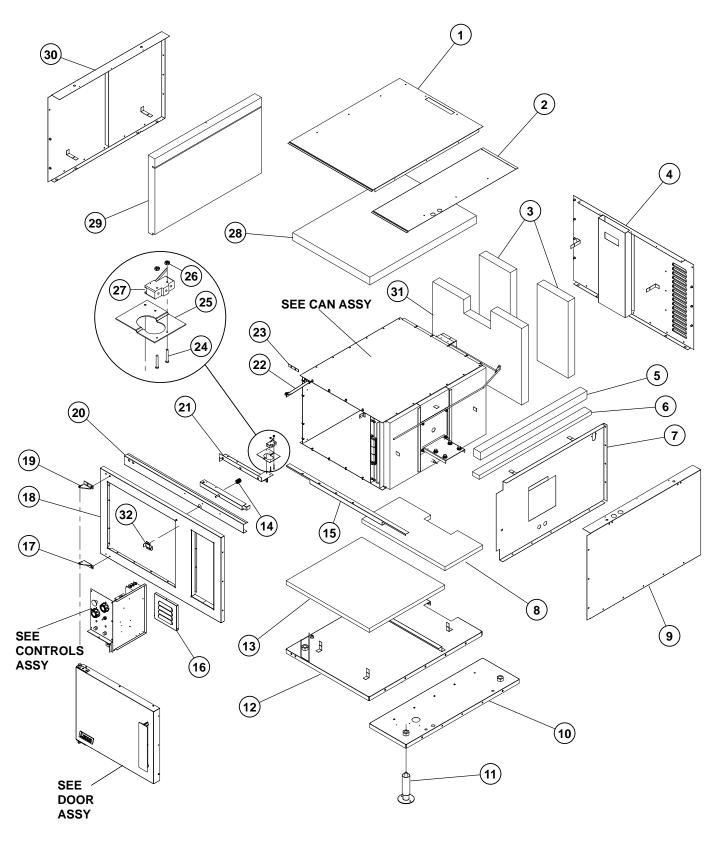
### Model No: FCOF & FCOFL Commercial & Marine Full Size Economy Convection Oven

Key Number     Part Number     Qty Per     Description       1     Q9-F6-160     1     TOP A/L     ALL FCOFL MODELS	
Number     Number     Per     Description       1     Q9-F6-160     1     TOP A/L     ALL FCOFL MODELS	
1 Q9-F6-160 1 TOP A/L ALL FCOFL MODELS	
Q9-F6-160-1	DM;

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

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### Model:

FCOF-SUBMARINE MAIN ASSEMBLY F6S SUBMARINE MAIN ASSEMBLY



Rev. -

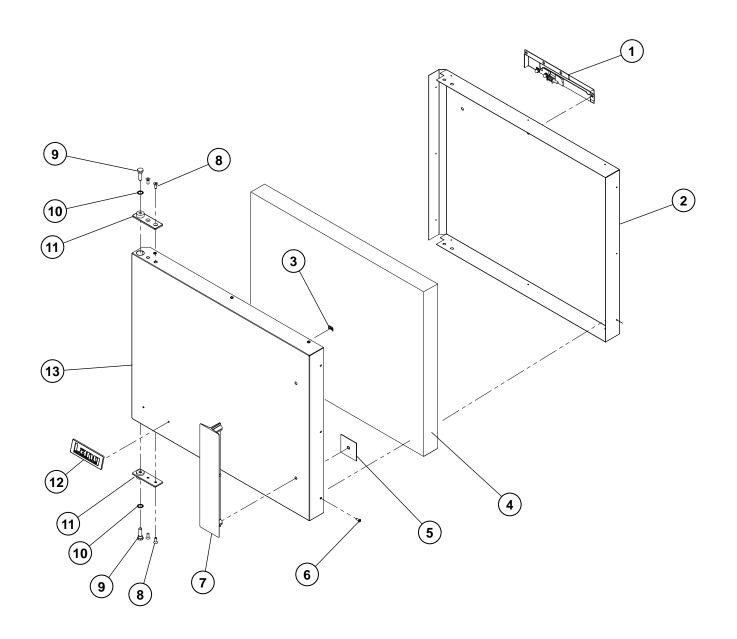
### Model No: FCOFAT480SUB SUBMARINE Submarine Full Size Economy Convection Oven

1 Q9-F6-160-4 1 2 Q9-F6-160-4 1 3 Q9-F6-260-1 2 Q9-F6-260-1 2 Q9-F6-251-1 1 6 Q9-F6-251-1 1 7 Q9-F6-152-2 1 7 Q9-F6-152-1 1 9 Q9-F6-152-1 1 9 Q9-F6-152-1 1 10 Q9-F6-149-2 1 11 2A-7250-0.06 4 12 Q9-F6-149-1 1 13 Q9-F6-253-1 1 14 Q9-F6-131 1 15 Q9-F6-131 1 16 Q9-F6-131 1 17 Q9-F6-131 1 18 Q9-F6-131 1 19 Q9-F6-132 1 11 Q9-F6-132 1 11 Q9-F6-132 1 12 Q9-F6-130 1 13 Q9-F6-205 1 14 Q9-F6-205 1 15 Q9-F6-130 1 16 Q9-F6-130 1 17 Q9-F6-130 1 18 Q9-F6-130 1 19 Q9-F6-205 1 20 Q9-F6-130 1 21 Q9-F6-130 1 22 Q9-F6-130 1 23 Q9-F6-130 1 24 Q2-F6-130 1 25 Q9-F6-130 1 26 Q9-F6-130 1 27 Q2-F6-130 1 28 Q9-F6-130 1 29 Q9-F6-130 1 29 Q9-F6-130 1 29 Q9-F6-130 1 20 Q9-F6-130 1 21 Q9-F6-130 1 22 Q9-F6-130 1 23 Q9-F6-130 1 24 Q2-F6-130 1 25 Q9-F6-130 1 26 Q9-F6-255 1 27 Q9-F6-155-7 1 28 Q9-F6-255-1 1 29 Q9-F6-155-7 1 29 Q9-F6-155-7 1 20 Q9-F6-155-7 1 21 HNGU SUB-AITON SUB-BUR LATEN SUB-BUR LAT

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

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### Model:

FCOF & FCOFL DOOR ASSEMBLY F6S DOOR ASSEMBLY



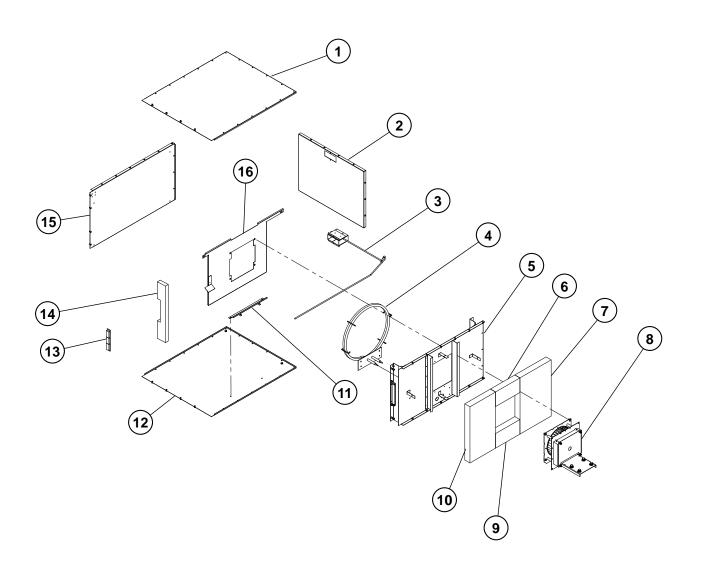
### Model No: FCOF & FCOFL Door Assembly Commercial, Marine & Submarine Full Size Economy Convection Oven

Key Number	Part Number	Qty Per	Description	
1	PS-50301-50-1	1	DOOR STOP ASSY L/H	FCOFAT480SUB; FCOF 208M, 240M, 440G,AND 440M; FCOFL 208M, 240M, 440G, 440M, 480G, AND 480M
2	Q9-F6-144-6	1	INSIDE DOOR PANEL S\S SUB	FCOFAT480SUB; FCOF 480G; FLAT 480G, FCOFLSL480VM
	Q9-F6-144	1	INSIDE DOOR PANEL A/L	FCOF 208M, 208V, 240M, 240V, 440M,480M, 480V; FCOFL 208, 240, 480, 208M, 240M, 440G, 440M, 480M
3 4 5 6 7 8	2C-20602-04 2H-F6-144-1 Q9-F6-146 2C-20115-04 2C-20103-06 2R-50800-12 2C-20109-13	2 1 2 AR AR 1	TINNERMAN SPD NUT 1/8 DIA DOOR INSULATION STIFFENER - DOOR HANDLE SCRW S/S 6-32X3/8 S/T P/H SCRW SM PLT 6 X 3/8 PHL  DOOR T HANDLE 11 1/2 LNG SCRW MS SS 10-32 X .5 PH	ALL MODELS ALL MODELS ALL MODELS ALL MODELS FCOFAT480SUB; FCOF 480G; FLAT 480G FCOF 208M, 208V, 240M, 240V, 440M,480M, 480V; FCOFL 208, 240, 480, 208M, 240M, 440G, 440M, 480M ALL MODELS ALL MODELS
9 10 11 12 13	2F-70601-06 2C-20202-17 2F-70601-05 2M-60301-43 Q9-F6-145	AR AR AR 1	HINGE PIN, HALF HINGE WSHR LOCK FOR 70601-27/28 PLATE & BUSH HINGE HALF DIE CAST PLT LANG SATIN OUTSIDE DOOR PANEL	ALL MODELS
NI	Q9-F6-423-2	1	ASSEMBLY DOOR SUB-MARINE	FCOF-AT-480G, FCOFAT480SUB, FCOFATSL480M, FCOFL-AT440G, FCOFLSL208VM, FCOFLSL240VM, FCOFLSL440VM, FCOFLSL480VM
NI	Q9-F6-423	1	ASSEMBLY DOOR	FCOF-AT-208V/M, FCOF-AT-240V/M, FCOF-AT-440M, FCOF-AT-480V/M, FCOFL-AT-208, FCOFL-AT-240, FCOFL-AT-480, FCOFL-AT-240M, FCOFL-AT-440M, FCOFL-AT440M, FCOFL-AT480M

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

PAGE 1





### **Model**: FCOF-SUB Can Assembly F6S Can Assembly



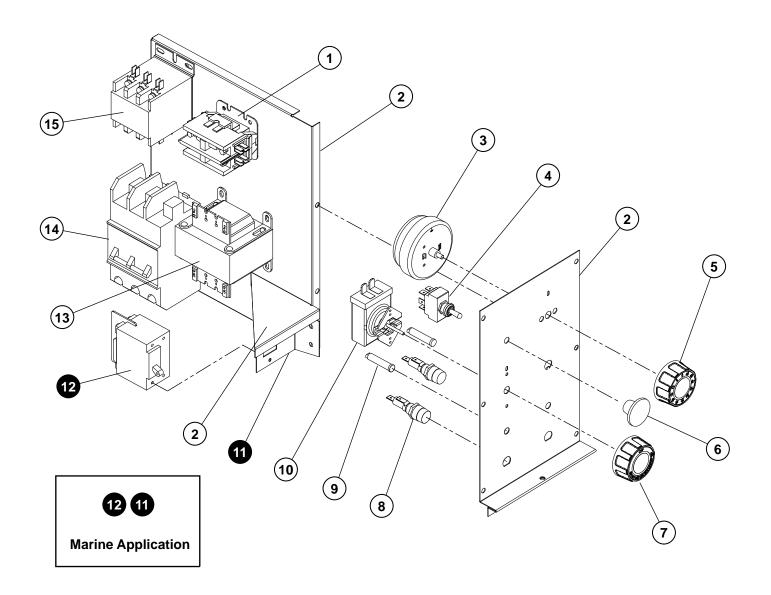
### Model No: FCOF & FCOFL Can Assembly Commercial, Marine & Submarine Full Size Economy Convection Oven

Key Number	Part Number	Qty Per	Description	
1 2 3	Q9-F6-102-5 Q9-F6-102-7 Q9-F6-113-1 Q9-F6-113	1 1 1 1	SPOT CAN TOP SUB SPOT CAN REAR SUB VENT PIPE ASSY SUB VENT PIPE ASSEMBLY	FCOFAT480SUB FCOFAT480SUB FCOFAT480SUB FCOF 208M, 208V, 240M, 240V, 440G,440M,480M, 480V; FCOFL 208, 240, 480, 208M, 240M, 440G,
4	2N-11090-09 2N-11090-10 2N-11090-11	1 1 1	ELMNT F6OVEN 208V 6KW ELMNT F6OVEN 240V 6KW ELMNT F6OVEN 480V 6KW	440M, 480G, 480M FCOF 208M, 208V; FCOFL 208, 208M FCOF 240M, 240V; FCOFL 240, 240M FCOFAT480SUB; FCOF 440G, 440M, 480M, 480V,
5 6	2N-11090-28 Q9-F6-104-5 Q9-F6-159-2 2H-F6-159-1	1 1 1 1	ELEMT F6OVEN 380V 6KW SPOT R/H CAN SIDE SUB CAN SIDE INSULATION SUB INSULATION CAN SIDE UPPER	480G; FCOFL 480, 440G, 440M, 480G, 480M FCOFK-AT380M FCOFAT480SUB FCOFAT480SUB FCOF 208M, 208V, 240M, 240V, 440G,440M,480M, 480V; FCOFL 208, 240, 480, 208M, 240M, 440G,
7	Q9-F6-252-1 2H-F6-252	1 1	R/H SIDE REAR INSULATION INSULATION-SIDE R/H REAR	440M, 480G, 480M FCOFAT480SUB FCOF 208M, 208V, 240M, 240V, 440G,440M,480M, 480V; FCOFL 208, 240, 480, 208M, 240M, 440G,
8	Q9-F6-188 Q9-F6-189	1	MOTOR MNT ASY NO MTR SS MOTOR MOUNT ASSEMBLY NO	440M, 480G, 480M FCOFAT480SUB FCOF 208M, 208V, 240M, 240V, 440G,440M,480M, 480V; FCOFL 208, 240, 480, 208M, 240M, 440G, 440M, 480G, 480M
9	Q9-F6-159-2 2H-F6-159	1	CAN SIDE INSULATION SUB INSULATION CAN SIDE LOWER	FCOFAT480SUB FCOF 208M, 208V, 240M, 240V, 440G,440M,480M, 480V; FCOFL 208, 240, 480, 208M, 240M, 440G, 440M, 480G, 480M
10	Q9-F6-251-1 2H-F6-251	1 1	R/H SIDE FRONT INSULATION INSULATION-SIDE R/H FRONT	FCOFAT480SUB FCOF 208M, 208V, 240M, 240V, 440G,440M,480M, 480V; FCOFL 208, 240, 480, 208M, 240M, 440G, 440M, 480G, 480M
11 12 13 14 15	Q9-F6-403 Q9-F6-102-6 2R-70602-03 2H-F6-158 Q9-F6-104-7	1 1 1 1 1	STAT HOLDER SPOTWELD SPOT CAN BOTTOM SUB CATCH DOOR MAGNET 3 PC CAN SIDE INSULATION SPOT L/H CAN SIDE SUB	ALL MODELS FCOFAT480SUB ALL MODELS ALL MODELS FCOFAT480SUB
16	Q9-F6-405	1	BAFFLE SPOTWELD A/L	FCOF-AT-208V/M, FCOF-AT-240V/M, FCOF-AT-440M, FCOF-AT-480V/M, FCOFL-AT-208, FCOFL-AT-240, FCOFL-AT-480, FCOFL-AT-240M, FCOFL-AT-440M, FCOFL-AT-440M
	Q9-F6-405-1	1	BAFFLE SPOTWELD S/S	FCOF-AT-480G, FCOFAT480SUB, FCOFATSL480M, FCOFL-AT440G, FCOFLSL208VM, FCOFLSL240VM, FCOFLSL440VM, FCOFLSL440VM

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

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**RF21SM Controls** 

### **Model**: FCOF-AT & FCOFL-AT Controls Assembly F6S-AT Controls Assembly



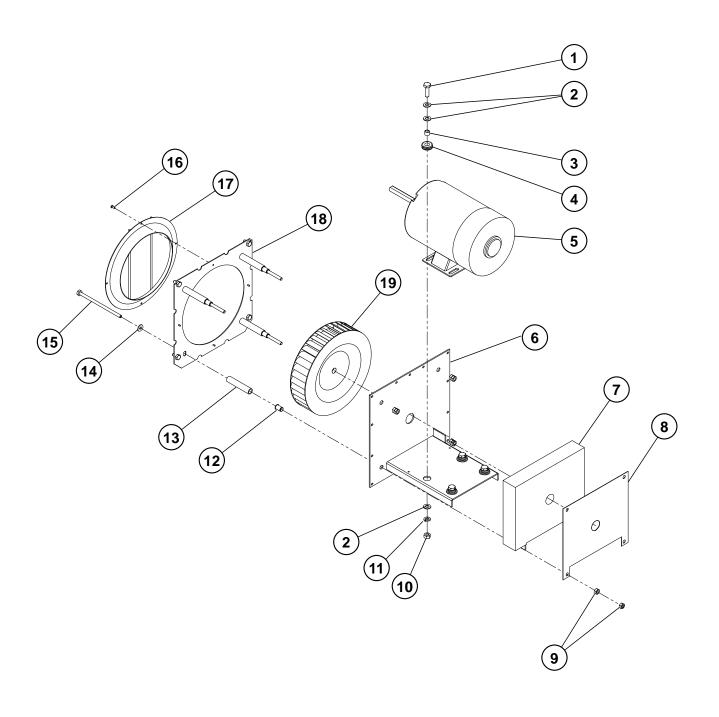
### Model No: FCOF & FCOFL Controls Assembly Commercial, Marine & Submarine Full Size Economy Convection Oven

Key	Part	Qty		
Number	Number	Per	Description	
			·	
1	2E-30701-03	1	CONTC2POL35A208-240V50/60	ALL MODELS
2	Q9-F6-138	1	CONTROL SLIDE SPOTWELD	ALL MODELS
3	2J-30801-01	1	TIMER MECHANICAL LONG	ALL MODELS
4	2E-30303-06	1	SWT TOG ON-ON DPDT BLK	ALL MODELS
5	Q9-70701-09-1	1	KNOB MANUAL TIMER PHANTOM	ALL MODELS
6	2R-70701-25	1	KNOB DAMPER BLACK PLAIN	ALL MODELS
7	Y9-70701-19-1	1	KNOB 450o D PHANTOM	ALL MODELS
8	2E-30901-02	2	FUS HLDR FOR 15AMP FUSE	ALL MODELS
9	2J-31601-01	2	PILOT LT 250V 6LEAD BLK	ALL MODELS
10	2T-30402-27	1	STAT ADJ 450 DEG 48 PILOT	ALL MODELS
11	Q9-F6-165	1	MARINE CIRCUIT BREAKER	FCOFAT480 SUB, FCOF 440G & 480G, FCOFL 440G & 480G
12	2E-31800-07	1	CB 2/10 AMP 2 POLE	FCOFAT480 SUB, FCOF 440G & 480G, FCOFL 440G & 480G
13	2E-31400-04	1	XFRMR 480/240VAC 100VA	FCOFAT480SUB; FCOF 440M, 440G, 480V, 480M, 480G; FCOFL 440M, 440G, 480, 480M, 480G
14	2E-31800-04	1	CB 480V 50A 3 POLE	FCOFAT480SUB; FCOF 440M, 440G, 480V, 480M, 480G; FCOFL 440M, 440G, 480, 480M, 480G
15	2E-30700-03	1	CONTC 3POLE 40A208-240VAC	FCOFAT480SUB; FCOF 440M, 440G, 480V, 480M, 480G; FCOFL 440M, 440G, 480, 480M, 480G
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IMPORTANT: WHEN ORDERING, SPECIFY VOLTAGE OR TYPE GAS DESIRED INCLUDE MODEL AND SERIAL NUMBER

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### Model:

FCOF & FCOFL Motor Fan Assembly F6S Motor Fan Assembly



### Model No: FCOF & FCOFL Motor Fan Assembly Commercial, Marine & Submarine Full Size Economy Convection Oven

				1
Key	Part	Qty		
		_	December	
Number	Number	Per	Description	
1	2C-20104-18	4	SCRW HXHDCP 5/16-18X1-1/4	ALL MODELS
2	2C-20201-09	AR	WSHR PLT 5/16 FLAT SAE	ALL MODELS
3	2A-20503-01	4	5/16IDX27/640DX5/16LG STL	ALL MODELS
4	2I-70801-06	4	RUBBER GROMMET 7/16 I.D.	ALL MODELS
5	2U-30200-03	1	MTR 1/3HP 480V 3PH 60HZ	FCOFAT480SUB; FCOF 440G, 440M, 480M, 480V;
3	20-30200-03	'	WITK 1/311F 460V 3F11 0011Z	FCOFL 480, 440G, 440M, 480G, 480M
	2U-30200-60	1	MTR 1/3HP 380V 1PH 50HZ 2SP	FCOFL 480, 440G, 440M, 480G, 480M
5	2U-30200-12	1	MTR 1/3HP 115/208-240 1PH	FCOF 208M, 208V, 240V, 240M; FCOFL 208, 208M,
6	O0 F6 180	1	MOTOR MOUNT WEI DMENT	240, 240M
6	Q9-F6-180	1	MOTOR MOUNT WELDMENT	ALL MODELS
7	2H-F6-184	1	MOTOR INSULATION	ALL MODELS
8	Q9-F6-186	1	MOTOR INSULATION RETAINER	ALL MODELS
9	2C-20301-13	AR	NUT HEX 1/4-20 PLTD	ALL MODELS
10	2C-20301-06	4	NUT HEX 5/16-18 PLTD	ALL MODELS
11	2C-20202-08	4	WSHR PLT 5/16 LOCK SPLIT	ALL MODELS
12	2C-20306-02	4	AVK CAD 1/4-20 1ST GRP	ALL MODELS
13	Q9-F6-185	4	BLOWER SPACER	ALL MODELS
14	2C-20203-07	4	WASHER S/S 1/4 SAE FLAT	FCOFAT480SUB; FCOF 440G, 480G; FCOFL 440G, 480G
14	2C-20201-07	4	WSHR FLT 1/4 SAE PLTD	FCOF 208M, 208V, 240M, 240V, 440M,480M, 480V; FCOFL 208, 240, 480, 208M, 240M, 440M, 480M
15	2C-20104-14	4	SCRW HXHD TAPBOLT	ALL MODELS
16	2C-20103-06	4	SCRW SM PLT 6 X 3/8 PHL	ALL MODELS
17	Q9-F6-406	1	WELD ORIFICE RING	ALL MODELS
18	Q9-F6-187-1	1	BAFFLE MOUNTING PLATE SUB	FCOFAT480SUB
	Q9-F6-181	1	MOTOR MOUNT PLATE	FCOF 208M, 208V, 240M, 240V, 440M, 440G, 480M, 480V, 480G; FCOFL 208, 240, 480, 208M, 240M, 440G, 440M, 480M, 480G
19	2U-71500-03	1	BLOWER WHEEL F-6	ALL MODELS

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### STAR MANUFACTURING

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