



Attention: This manual is just a section from the complete Wall Oven Service Manual. If you find that you require the complete service manual, which includes exploded views and parts, use and care information and installation instructions, please contact your Regional Technical Manager.

Dacor Technical Service

Section 8 - Troubleshooting and Repair


Troubleshooting

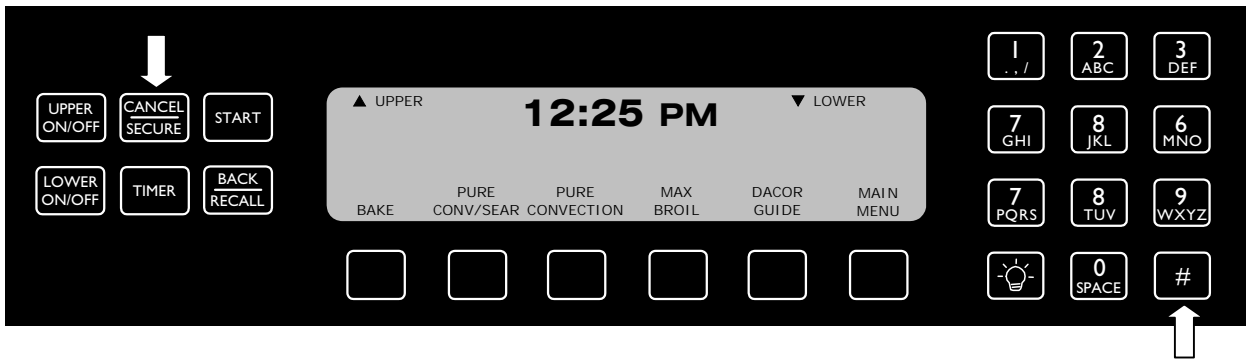
Basic Troubleshooting Instructions

1. If the oven does not function properly, check for obvious problems first, such as the main power switch being turned off, or the control panel being locked.
2. If the problem is not immediately obvious, consult the Physical Symptom Troubleshooting Guide in Appendix A.
3. If prompted by the troubleshooting guide to use the on-line diagnostics, follow the instructions below to access the on-line diagnostics menu.

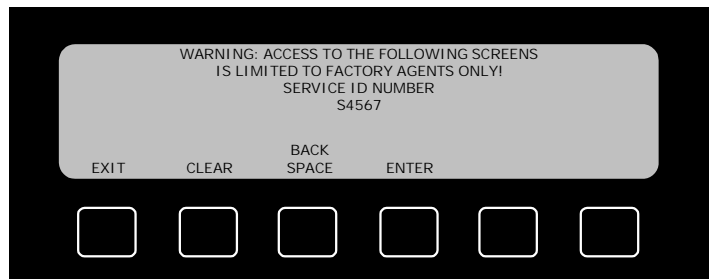
Using the On-line Diagnostics

Accessing the Diagnostics Home Screen

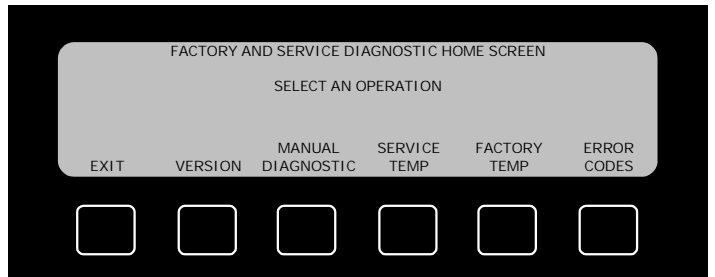
 **WARNING:** Surfaces inside the oven will become hot when certain diagnostics are running.



- With the main power supply to the oven turned on, press and hold the CANCEL/SECURE and # keys at the same time.
- When the diagnostic password screen appears, release the CANCEL/SECURE key (first) then the # key.
- Press the 7 key on the keypad repeatedly until the letter S appears just below the words SERVICE ID NUMBER.
- Wait three (3) seconds.
- Enter your service ID number. It is a minimum of four digits long. Press ENTER.
- The FACTORY AND SERVICE DIAGNOSTIC HOME SCREEN appears.
- The FACTORY AND SERVICE DIAGNOSTIC HOME SCREEN has five (5) options:
 - ♦ **VERSION:** Use this option to access information about the software versions programmed into the oven's printed circuit boards.

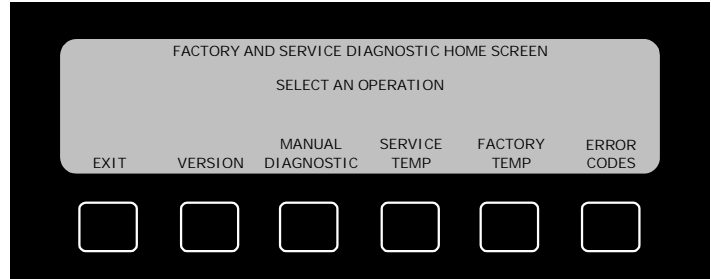


Diagnostic Password Screen



Factory and Service Diagnostic Home Screen

- ♦ **MANUAL DIAGNOSTIC:** Use this option to diagnose problems with individual components and cooking modes.
- ♦ **SERVICE TEMP:** Use this option to modify calibration of the various components in the oven.
- ♦ **FACTORY TEMP:** The base calibration settings made at the factory. Dacor does not recommend modifying these settings. Use the SERVICE TEMP settings to modify the calibration of the various cooking modes. The SERVICE TEMP menu modifies the component calibrations based on the FACTORY TEMP settings. If the FACTORY TEMP settings are not tampered with, a service technician can return the oven to the factory settings by setting all the SERVICE TEMP parameters to zero (0).
- ♦ **ERROR CODES:** Use this option to view the last twenty (20) error codes stored in the oven controller.



Factory and Service Diagnostic Home Screen

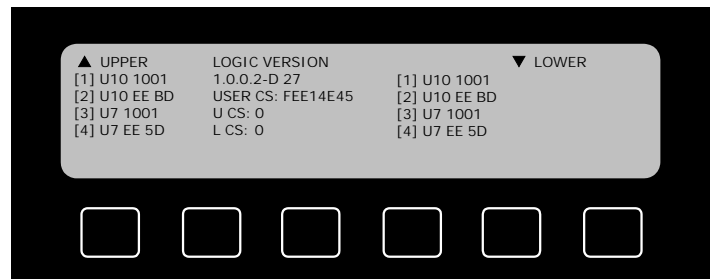
See the appropriate section on the following pages for a detailed description on how to use the above diagnostic screens.

When done with the diagnostic screens, press CANCEL/SECURE, to return to the home screen.

Version Screen

Overview

- The center column contains information about the software loaded into the oven controller (LOGIC VERSION).
- The left-hand column contains information about the software loaded into the relay board of a single oven or the upper relay board of a double oven.
- The right-hand column contains information about the software loaded into the relay board of the lower relay board of a double oven.



Version Screen

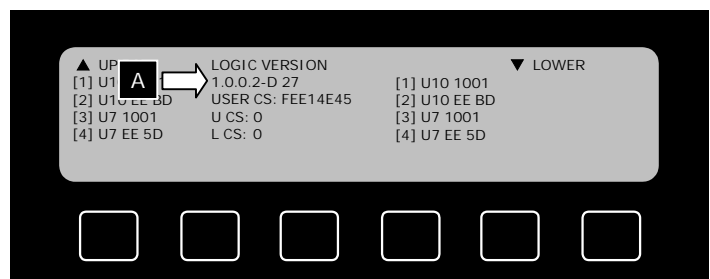


IMPORTANT: The versions and checksums for the upper and lower relay boards on a double oven must match for the oven to work properly.

Oven Controller Software (Center Column)

A The logic (software) version of the oven controller software is located in the second row of the center column.

This information below the LOGIC VERSION has no useful purpose for service.



Version Screen

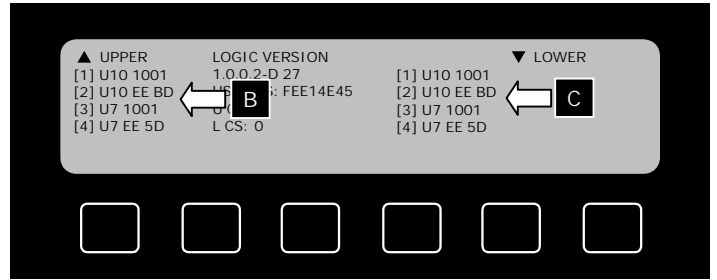
Single/Upper Relay Board Software (Left Column) **B**

[1] The version of the software programmed into the flash memory in processor U10 on the single/upper relay board.

[2] The checksum value of the software programmed into the EEPROM memory in processor U10 on the single/upper relay board.

[3] The version of the software programmed into the flash memory in processor U7 on the (double) lower relay board.

[4] The checksum value of the software programmed into the EEPROM memory in processor U7 on the (double) lower relay board.



Version Screen

Lower Relay Board Software (Right Column) **C**

[1] The version of the software programmed into the flash memory in processor U10 on the single/upper relay board.

[2] The checksum value of the software programmed into the EEPROM memory in processor U10 on the single/upper relay board.

[3] The version of the software programmed into the flash memory in processor U7 on the (double) lower relay board.

[4] The checksum value of the software programmed into the EEPROM memory in processor U7 on the (double) lower relay board.

Manual Diagnostic Screen

The diagnostic screen offers four (4) options for exercising the oven components in a manner that will allow diagnosis of various types of failures:

- Outputs
- Inputs
- Modes 1
- Modes 2

See the following pages for a detailed description of each option.

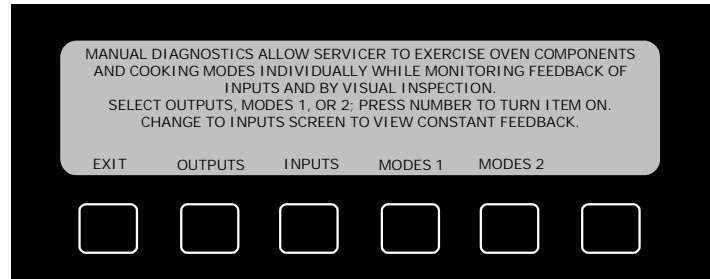
Outputs

This diagnostic mode allows the service technician to turn each output component in the oven on by itself while leaving all other output components off. To turn one of the output components on:

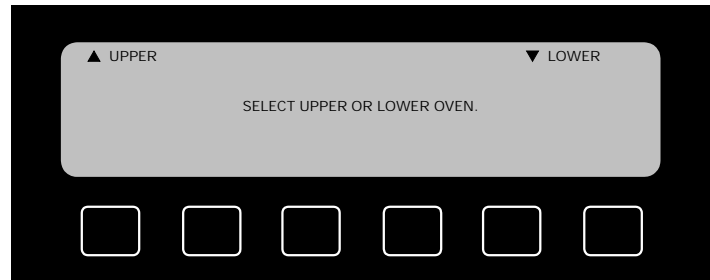
- Press the OUTPUTS key.
- If servicing a *double oven*, select the upper or lower oven (press UPPER ON/OFF or LOWER ON/OFF) when prompted to do so.
- The OUTPUTS diagnostic screen will appear.
- To turn on a particular component, press the appropriate number on the keypad. The display will indicate the component that has been turned on. Check to make sure the appropriate component is functioning normally. Only one (1) output component may be turned on at a time.
- To turn off an output component that is on, press the appropriate number on the keypad.

Inputs

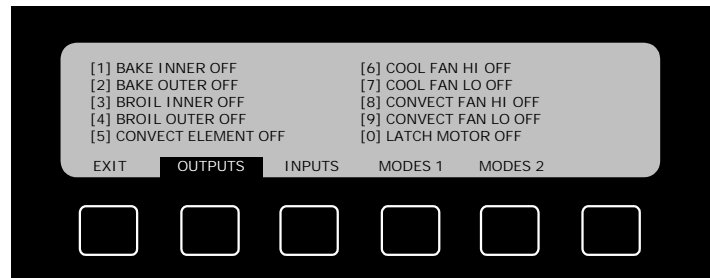
This diagnostic screen allows the service technician to monitor all of the input components while stimulus is applied.



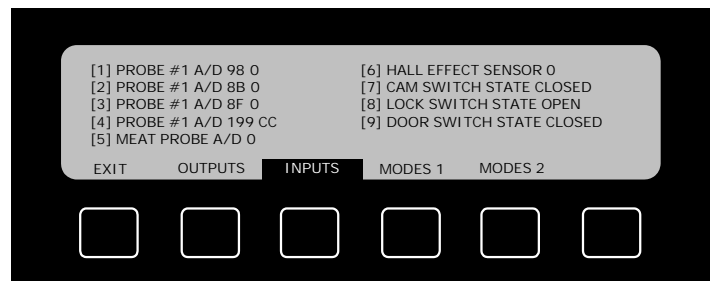
Manual Diagnostic Home Screen



Press UPPER ON/OFF or LOWER ON/OFF



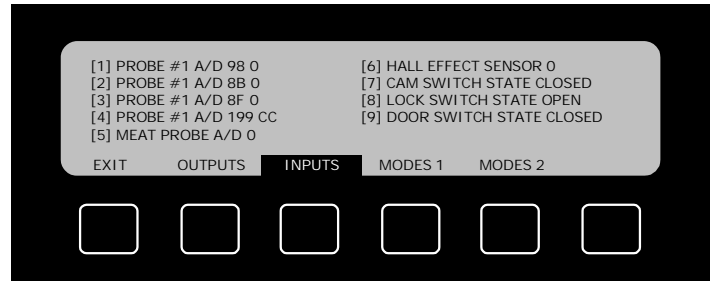
Outputs Diagnostic Screen



Inputs Diagnostic Screen

Temperature Sensor

- A hexadecimal number appears after each of the temperature sensor entries. These numbers represent the temperature detected by the sensor. To determine if the temperature sensors are working correctly:
 - ◆ Close the oven door.
 - ◆ From the OUTPUTS screen, turn on the bake element.
 - ◆ Press the INPUTS key. The hexadecimal numbers after the probe 1, 2, and 3 entries on the display should change in value to indicate a rise in temperature. Probe #4 is not used.
 - ◆ Turn off the bake element.



Inputs Diagnostic Screen

Wiring Diagram Call-Out	Location
RTD1 (Probe #1)	Center Right
RTD2 (Probe #2)	Center Left
RTD3 (Probe #3)	Upper Right
(Probe #4)	Not Used

Table 8-1 Temperature Sensor Locations

Meat Probe

- A hexadecimal number appears after the meat probe entry on the display. The number represents the temperature detected. To determine if the meat probe is working correctly:
 - ◆ Plug the meat probe into the meat probe socket and suspend it from one of the rack supports.
 - ◆ From the OUTPUTS screen, turn on the bake element.
 - ◆ Press the INPUTS key. The hexadecimal numbers after the MEAT PROBE entry on the display should change in value to indicate a rise in temperature.
 - ◆ Turn off the bake element.

Hall Effect Sensor (Cooling Fan Tachometer)


- A number appears after the hall effect sensor entry on the INPUTS screen. It is a read out of the cooling fan speed. To determine if the cooling fan is operating at the proper speed and that the hall effect sensor is working:
 - ◆ From the OUTPUTS screen, turn on the cooling fan at the LO setting.
 - ◆ Press the INPUTS key.
 - ◆ Take note of the number after the hall effect sensor entry on the INPUTS screen.
 - ◆ Go to the OUTPUTS screen and change the cooling fan speed to HI.

- ◆ Press the INPUTS key.
- ◆ The hall effect sensor reading should be at least 50 units higher than when the fan is on LO.

Cam and Lock Switches

The oven controller uses the cam and lock switches to determine the position of the door latch during the self-clean process. To test the cam and lock switches:


- ◆ Open the oven door.
- ◆ From the OUTPUTS screen, select the latch motor.
- ◆ Go to the INPUTS screen. Observe the door latch while monitoring the cam or lock switch entries.
- ◆ The cam switch should be closed only when the door latch is completely retracted.
- ◆ The lock switch should be closed only when the door latch is in the latched position.
- ◆ Turn off the latch motor when the latch is completely retracted.

 **WARNING:** Do not close the oven door unless the door latch is completely retracted.

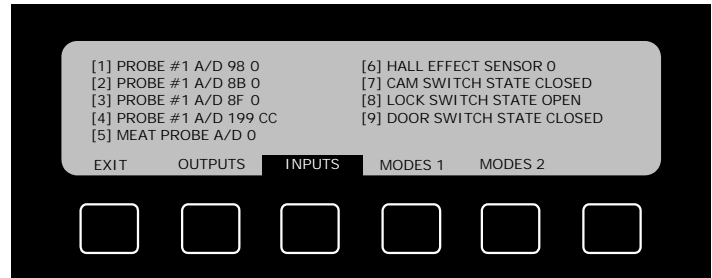
Modes (1 and 2)

This diagnostic mode allows the service technician to set the oven to a cooking mode without having to exit the diagnostics to the home screen. To turn on one of the oven cooking modes from the FACTORY AND SERVICE DIAGNOSTICS HOME SCREEN:

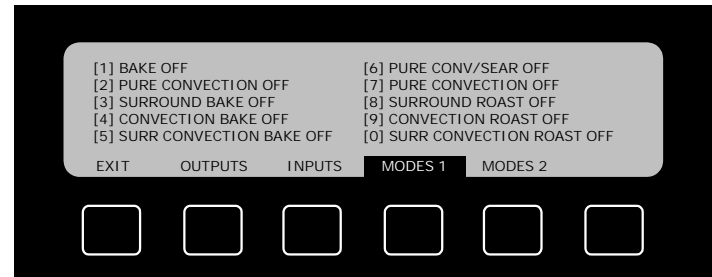
- Press the MODE 1 or MODE 2 key.
- If servicing a *double oven*, select the upper or lower oven.
- The MODE diagnostics screen will appear. If the desired oven mode does not appear on the display, press the other mode key.

 **NOTE:** FRUITS OFF, VEGGIES OFF, and MEATS OFF refer to the three (3) dehydrate modes.

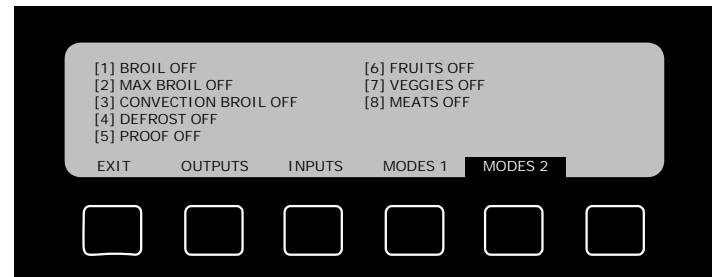
- Press the appropriate number on the keypad to select the desired mode of operation.
- Check the oven operation according to the cycling chart in Appendix C or the INPUTS screen.
- To turn off the oven cooking mode, press the appropriate number on the keypad.



Inputs Diagnostic Screen



MODES 1 Diagnostic Screen



MODES 2 Diagnostic Screen

Service Temp Screen

The service temp screen allows the service technician to modify the calibration of the various oven cooking modes. The settings on the SERVICE TEMP screen indicate the amount by which the factory calibration settings (see the FACTORY TEMP screen) are raised or lowered. If the FACTORY TEMP calibration settings are not tampered with, a service technician can return the oven to the factory settings by changing all the SERVICE TEMP settings back to zero.

To set the SERVICE TEMP settings:

- From the FACTORY AND SERVICE DIAGNOSTIC HOME SCREEN, press the SERVICE TEMP key.
- If a double oven is being serviced, select the upper or lower oven (press UPPER ON/OFF or LOWER ON/OFF) when prompted to do so.
- A warning screen will appear. Press OK.
- The SERVICE TEMP screen will appear. Additional cooking mode settings can be viewed by pressing the NEXT key.

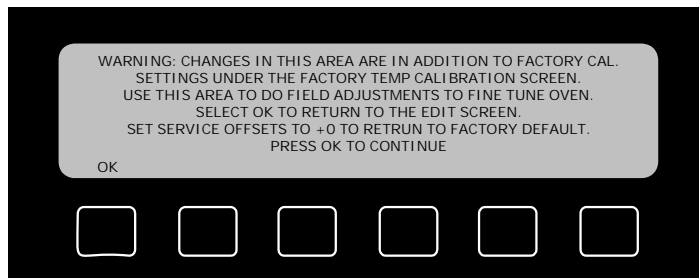
Two (2) temperature settings appear at the end of each cooking mode entry. For example [1] BAKE +10/+20. The first number is the previous SERVICE TEMP setting. The second number is the current SERVICE TEMP setting. The current temperature setting becomes the previous temperature setting when a new temperature setting is entered. Press the RESET key, to return all the current settings to the values of the previous settings.

To change the current setting for a particular mode:

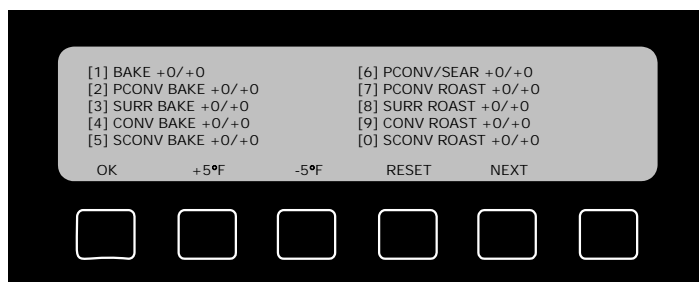
- Press mode number on the keypad.
- Press the +5°F or -5°F keys repeatedly until the desired temperature shift appears on the display. The setting can be varied by up to +/- 35°F.
- To make changes to additional cooking modes, press the appropriate number on the keypad and enter the temperature change in the same manner.
- Press OK when done changing the temperature settings. The temperature values entered will offset the values in the FACTORY TEMP menu.

Factory Temp Screen

These are the base calibration settings made at the factory. Dacor does not recommend modifying these settings. If the FACTORY TEMP settings must be changed, they are changed in the same manner as the SERVICE TEMP settings.



SERVICE TEMP Warning Screen



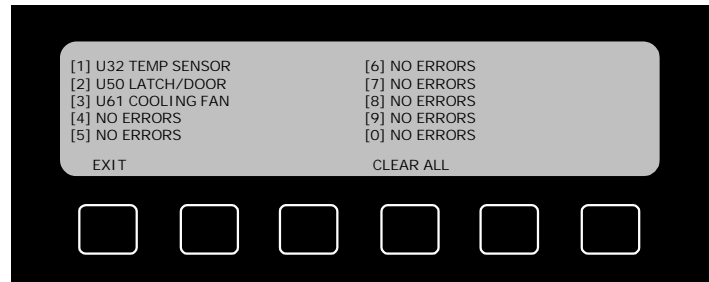
SERVICE TEMP Screen

Error Codes Screen

The ERROR CODES screen displays the twenty (20) most recent error codes stored in the oven controller. To access the ERROR CODES screen:


- From the FACTORY AND SERVICE DIAGNOSTIC HOME SCREEN, press the ERROR CODES key.

The most recent error code will appear in the number [1] position on the display. When a new error code is written to the oven controller, the new error code will appear in the number [1] position.





ERROR CODES Screen


Component Access and Disassembly

 **WARNING:** Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.

Door Removal

 **WARNING:** On *double ovens*: Remove the lower door first. Otherwise, damage to the top of the lower door may occur when the upper door is removed.

 **WARNING:** Do not attempt to disengage the hinge locks on the door while it is removed from the oven. The hinge springs could release, causing personal injury.

 **WARNING:** Do not lift or carry the oven door by the door handle.

- Open the oven door completely.
- Pull the hinge locks forward on both hinges, until they stop.



Hinge Lock




- Raise the door so that it is at a 15° angle from the front of the oven. Hold the door with one hand on each side. Lift the door up and out.

See page 8-20 for door disassembly and repair instructions.



Door Removal

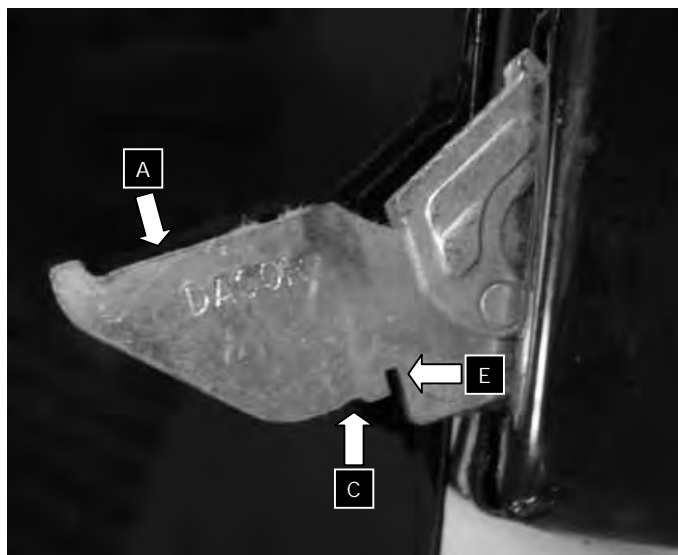
Door Installation

-  **WARNING:** Be sure that the notch on the bottom of each hinge rests on top of the lower lip of EACH hinge receptacle before attempting to open the oven door. Failure to do so may cause the door to fall off its hinges, resulting in personal injury or damage to the door.
-  **WARNING:** Rotate the hinge locks toward front of the oven immediately after installation of the door. Failure to do so may cause the door to fall off its hinges, resulting in personal injury or damage to the door.
-  **WARNING:** On *double ovens*: Install the upper door first. Otherwise, damage to the top of the lower door may occur.

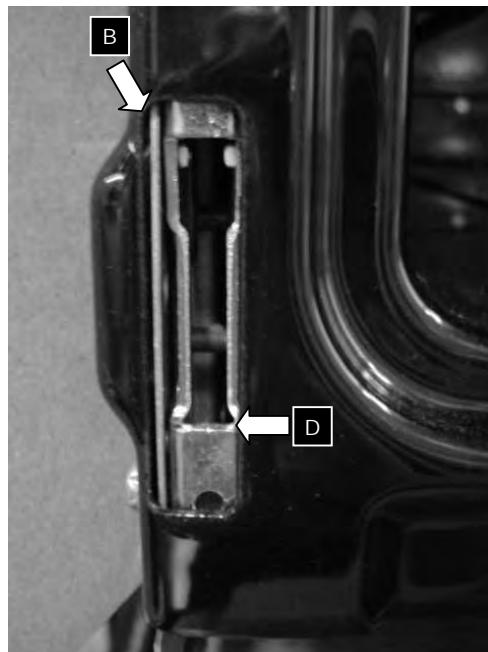
- Grasp the oven door on opposite sides and hold it at a 15° angle from the front of the oven. Slide the hinges **A** into the hinge openings **B**, resting the bottom of the hinge arms **C** on the lower lip **D** of the hinge receptacles. Continue to hold the door at a 15° angle with one hand while pushing in on the each of the bottom corners of the door. Push until the notch **E** on the bottom of each hinge slips over the lower lip **D** of each hinge receptacle.
- Lower the door to the fully opened position.
- Rotate the two hinge locks toward the oven.
- Open and close the door completely to ensure that it is properly installed.
- Remove any protective plastic from the front of the oven and any packaging from inside the oven.



Door Installation



Hinge



Hinge Opening and Receptacle

Removing the Oven from the Wall



WARNING: Use an appliance dolly to move the appliance when installing it or removing it from the wall for service. Use of an appliance dolly will minimize the risk of personal injury as a result of the oven tipping.



WARNING: Hold the oven steady when removing it from the wall. Otherwise, the oven will have a tendency to tip forward, increasing the risk of personal injury.



WARNING: Do not use the door or the door handles to lift, carry, or move the oven. Personal injury may result.



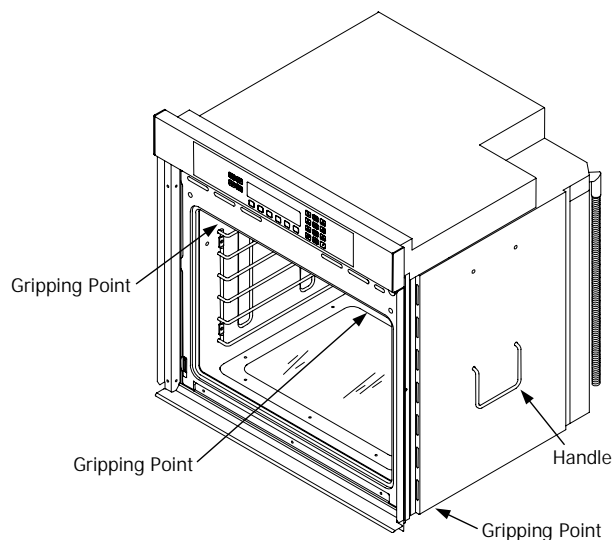
NOTE: Not all service procedures require that the oven be removed from the wall. See the appropriate procedure to determine if removal from the wall is necessary.

- Remove the oven door(s) as described on page 8-9. Due to the weight of this appliance, removing the door(s) will significantly reduce the lifting load. Removing the door(s) will also providing the technician with a place to grip the oven when removing it from the wall.
- Remove the mounting screws that hold the oven in place. The screws are located inside the door jams of oven on the trim posts on both sides of the oven. There are two possible locations **F** for the mounting screws on the trim post **G**: facing the front of the oven or facing in toward the oven chamber. *Single ovens* are held in place by four (4) screws. *Double ovens* are held in place by six (6) screws.



Oven Mounting Screw Locations


- Remove the oven racks from the oven.
- Pull the oven out of the wall toward you, using the gripping points and side handles. Hold it steady as you pull. Some service procedures only require that you pull the oven out the few inches. Other service procedures require that the oven be pulled completely out of the wall. See the appropriate part replacement procedure to determine how far to remove the oven from the wall.
- To reinstall the oven, see the installation procedure on page 3-13.




Gripping Points

Oven Chamber Components

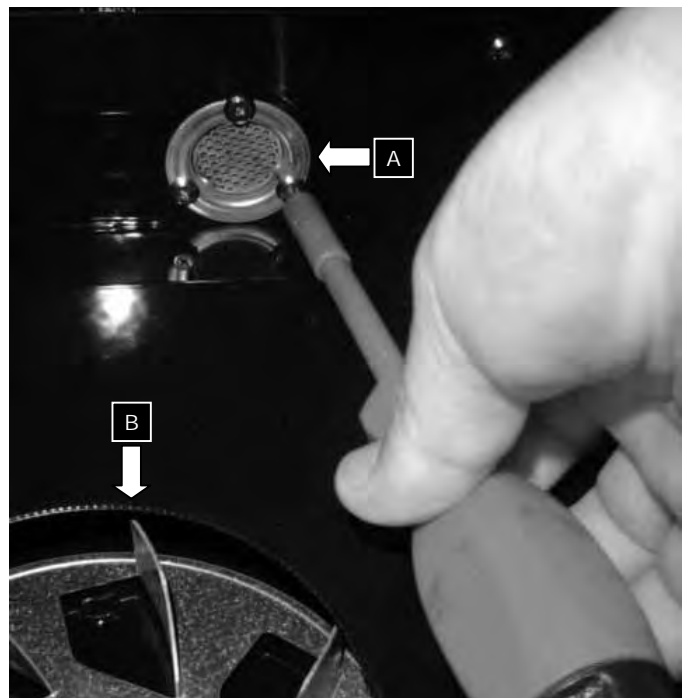
Smoke Eliminator

 **WARNING:** Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.

 **NOTE:** Each oven chamber is equipped with two smoke eliminators. One is accessible from inside the oven chamber, the other is located inside the chassis directly above the one inside the oven chamber*. The smoke eliminator(s) located inside the oven chamber(s) can be replaced without removing the oven from the wall. The chassis smoke eliminator(s) require that the oven be removed from the wall to be replaced.

* There is one exception. There is no chassis smoke eliminator for the upper chamber of a double oven.

- Remove the oven door(s) as described on page 8-9.
- Remove the oven racks from the oven chamber.
- The oven chamber smoke eliminator **A** is located on the ceiling of the oven chamber behind the broil element, above the convection fan **B**.
- Remove the three (3) screws that hold the smoke eliminator in place. Be careful not to scratch the back of the oven with the screwdriver during removal and installation.
- To install the smoke eliminator, fasten it in place with the three (3) existing screws.
- Reinstall the oven door(s) as described on page 8-10.



Smoke Eliminator on Oven Ceiling

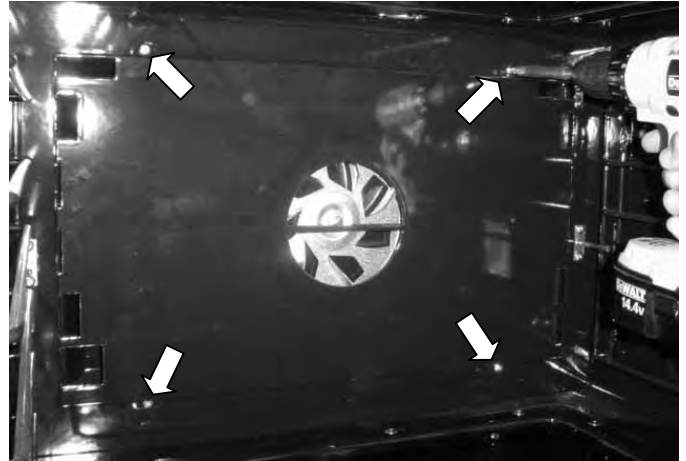
Convection Element and Fan



WARNING: Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.

Convection Baffle Removal

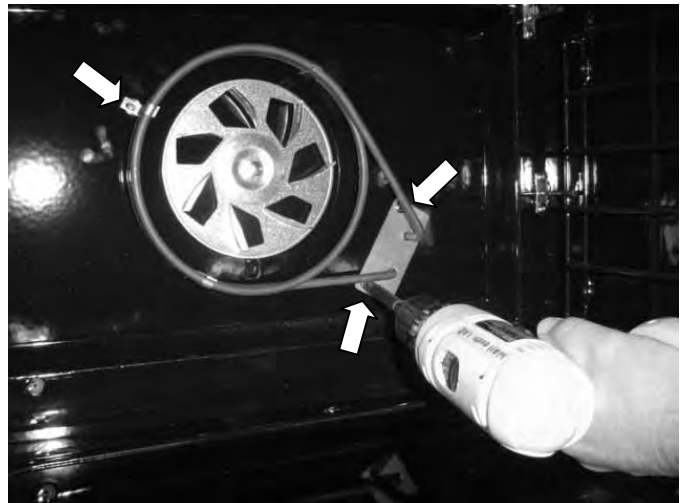
- Remove the oven door(s) as described on page 8-9.
- Remove the oven racks from the oven chamber.
- Remove the convection filter by lifting it up and out.
- Remove the four (4) screws that hold the convection baffle in place. The screws are located near the four corners of the baffle at the back of the oven.
- Remove the convection baffle.



Convection Baffle Screw Locations

Convection Element Disassembly

- Remove the three (3) screws holding the convection element in place.



Convection Element Screw Locations

- Grasp the convection element at the base and pull it out slowly with a gentle, rocking motion. Do not pull the convection element out too quickly because the wires that connect to the element could pull free inside the oven wall.
- Disconnect the wires from the terminals of the element and remove it from the oven.
- To replace the convection element:
 - ◆ Place the convection element in the oven and attach the wires to the terminals.
 - ◆ Grasp the convection element at the base and push it slowly back into place with a gentle rocking motion.
 - ◆ Replace the three (3) mounting screws that hold



Convection Element Removal

the convection element in place.

Convection Fan Removal

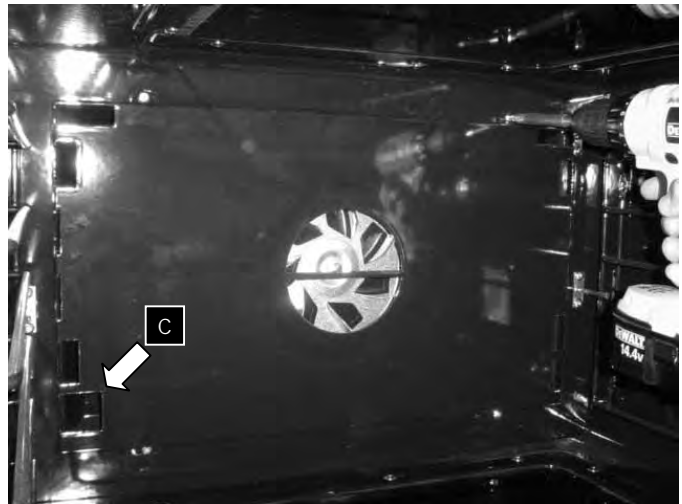
- To remove the convection fan, hold it with one hand and turn the nut clockwise with a wrench.
- When replacing the fan, make sure that the washer is installed behind the fan blade before replacing the fan. Use a wrench to tighten the nut counterclockwise.



Convection Fan Nut Removal

Convection Baffle Installation

- Install the convection baffle against the back wall of the oven with the large square hole **C** located on the bottom left.
- Replace the four (4) mounting screws that hold the baffle in place.
- Replace the convection filter.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.



Convection Baffle Orientation

Bake Element Assembly Removal



WARNING: Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.



IMPORTANT: The bake element wires must be properly labeled so that they can be connected to the same terminal when the element is replaced. If the wires are not properly connected, the oven will not function properly.

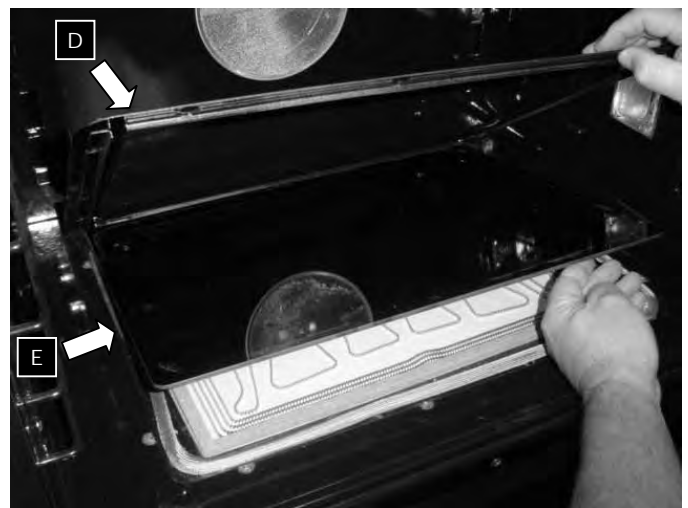


IMPORTANT: When removing it from the oven, do not hold the bake element assembly by the wires. Damage to the bake element terminals may result.



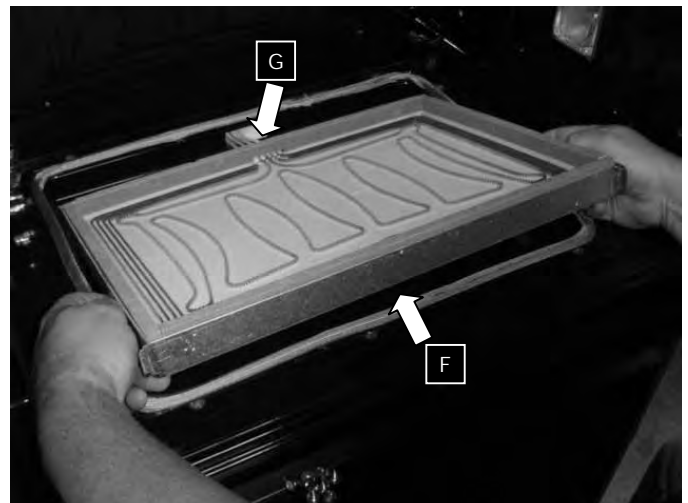
IMPORTANT: Exercise caution when handling the bake element when it is removed from the oven. The insulation around the edge of the bake element is fragile and can be damaged easily.

- Remove the oven door(s) as described on page 8-9.
- Remove the oven racks from the oven chamber.
- Remove the eight (8) screws that hold the bake element frame **D** in place on the floor of the oven.
- Remove the bake element frame and glass **E**.




Bake Element Components


- If replacing the bake element **F**, pull it up and out of the floor of the oven. Label the wires that connect to the bake element terminals **G**. When reconnecting the wires, make sure that the wires are connected to the proper terminal.
- If replacing the bake element glass, make sure that the smooth side of the glass is facing up when placing it in the oven.
- When reassembling the bake element in the floor of the oven, place the bake element glass inside the bake element frame and place it over the top of the bake element in the floor of the oven.
- Hold the bake element frame in place with one hand while replacing the eight (8) existing screws that hold it in place.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.





Bake Element Removal

Broil Element Assembly Removal

 **WARNING:** Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.

 **IMPORTANT:** The broil element wires must be properly labeled so that they can be connected to the same terminal when the element is replaced. If the wires are not properly connected, the oven will not function properly.

 **IMPORTANT:** When removing it from the oven, do not hold the broil element assembly by the wires. Damage to the broil element terminals may result.

 **IMPORTANT:** Exercise caution when handling the broil element when the broil element assembly is disassembled. The insulation around the edges of the broil element is fragile and can be damaged easily.

- Remove the oven door(s) as described on page 8-9.
- Remove the oven racks from the oven chamber.
- Holding the broil element assembly in place with one hand, remove the eight (8) screws that hold it in place.
- Gently lower the broil element out of the ceiling of the oven chamber.



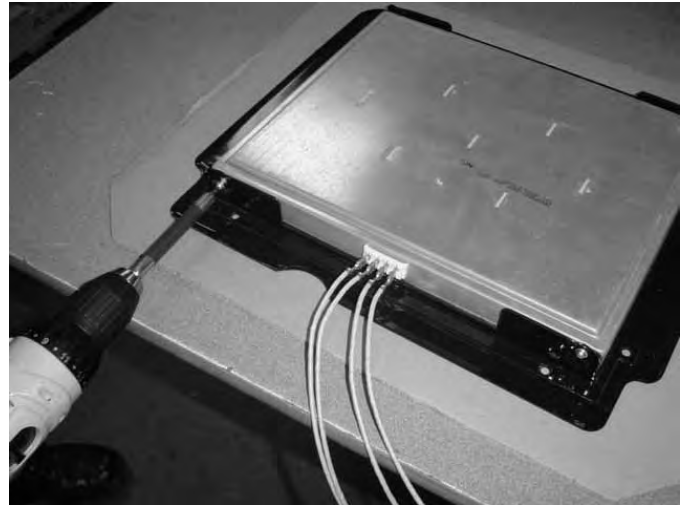
Broil Element Removal

- Label the wires that connect to the broil element.
- Gently remove the broil element wires from the terminal block on the broil element assembly.



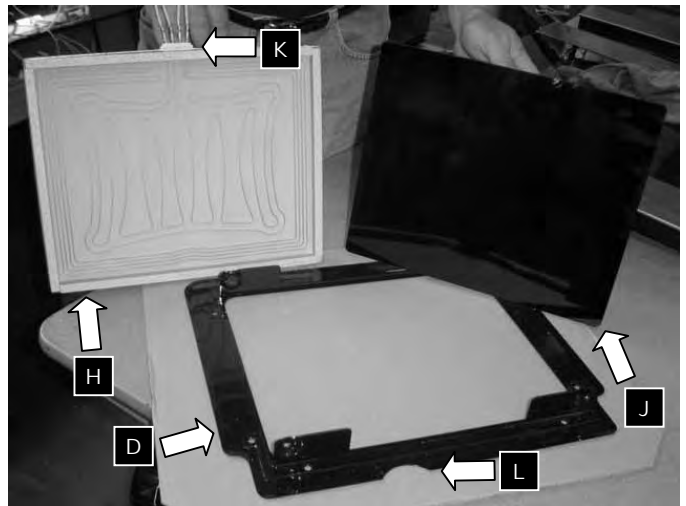
Broil Element Terminal Block

- Place the broil element assembly on a flat, padded surface and remove the screws from each of the four (4) corners.



Broil Element Disassembly

- The broil element assembly separates into three (3) components, the broil element **H**, the broil element frame **D**, and the broil element glass **J**.
- To reassemble the broil element assembly, use the four (4) existing screws. The smooth side of the broil element glass should face away from the broil element. During reassembly, make sure that the broil element terminals **K** and the smoke eliminator cutout **L** are on the same side.
- Place the broil element into the oven chamber with the glass facing down and the terminals toward the back of the oven.



Broil Element Components

- Lift the back of the element up and reconnect the broil element wires to the terminals on the broil element assembly. Make sure that the wires are connected to the proper terminals.
- Insert the broil element assembly into the hole in the oven ceiling while pushing the broil element wires into the access hole toward the back.
- Hold the broil element assembly in place with one hand while replacing the eight (8) existing screws that hold it in place.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.



Connecting the Broil Element Wires

Temperature Sensor Removal

⚠ WARNING: Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.

- Remove the oven door(s) as described on page 8-9.
- Remove the oven racks from the oven chamber.

Rack Support Removal

- Remove the four (4) screws that hold the rack support (on the appropriate side) in place. Be careful not to scratch the inside surface of the oven when removing it.



Rack Support Screw Removal

Temperature sensor removal

- Remove the two (2) screws that hold the temperature sensor **M** in place.
- When removing the temperature sensor, pull the wires attached to the sensor gently toward you through the hole in the back of the oven to expose the connector. Do not pull hard on the wires because the connector may come loose inside the oven wall. Use a screwdriver, if necessary, to move the insulation around behind the hole to allow the connector to slide out into the oven chamber.

Wiring Diagram Call-Out	Location
RTD1	Center Right
RTD2	Center Left
RTD3	Upper Right

Table 8-2 Temperature Sensor Locations

- Disconnect the temperature sensor wires at the connector **N** and remove the temperature sensor.
- When reinstalling the temperature sensor, gently push the connector and excess wire through the access hole and insulation at the back of the oven.
- Tighten the temperature sensor into place with the two (2) existing mounting screws.



Temperature Sensor (1 of 3 Inside Oven)



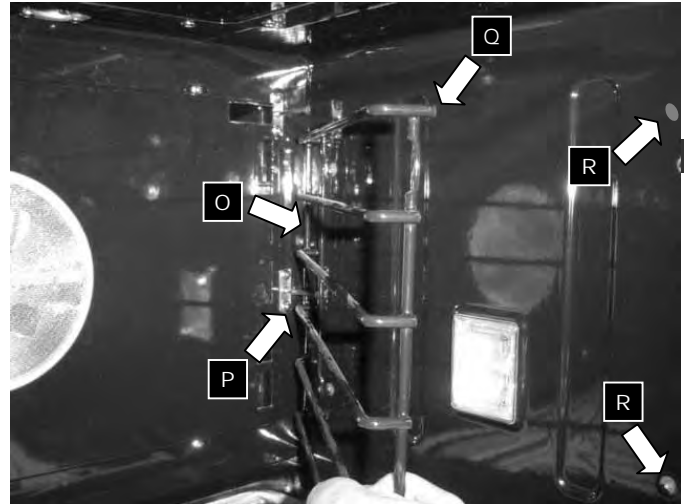
Temperature Sensor Connector

Rack Support Installation



IMPORTANT: To prevent scratching of the oven and wall, replace the rack support only in the manner specified below.

- Insert the end of the rack support with the two (2) vertical bars **O** first. Insert the rack support into the oven at a 45° angle to the sidewall, placing the two vertical bars behind the temperature sensor **P**.
- Rotate the rack support into place, matching the four (4) protruding pins **Q** on the rack support to the holes **R** in the oven wall.
- Mount the rack support in place using the four (4) existing screws.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.



Rack Support Installation

Door Components

Door Gasket (seal)

- Remove the oven door(s) as described on page 8-9.
- Lay the door on a flat, padded surface with the door gasket **A** facing up.
- Remove the gasket by grasping sections of it and pulling up.
- Insert the self-locking tabs on the replacement gasket into the holes on the oven door. Check to make sure that all of the self-locking tabs are firmly in place by pulling gently on the gasket.
- Reinstall the oven door(s) as described on page 8-10.



Door Gasket Location

Door Handle

- Remove the oven door(s) as described on page 8-9.
- Lay the door on a flat, padded surface with the door gasket facing up.
- Remove the two (2) screws **B** in the top corners of the door.
- Grasp the door with one hand and pull up. Pull the door handle out from underneath.
- To reinstall the door handle, grasp the door with one hand and pull up. Hold the handle in position on the front. Lower the door onto the padded surface.
- Replace the two (2) screws in the top corners of the door and tighten into place. Do not over-tighten the screws, because the front door glass could crack.
- Reinstall the oven door(s) as described on page 8-10.



Door Handle Screw Locations

Front Door Glass Assembly

⚠ WARNING: To prevent personal injury, use gloves when handling glass components that are broken or shattered.

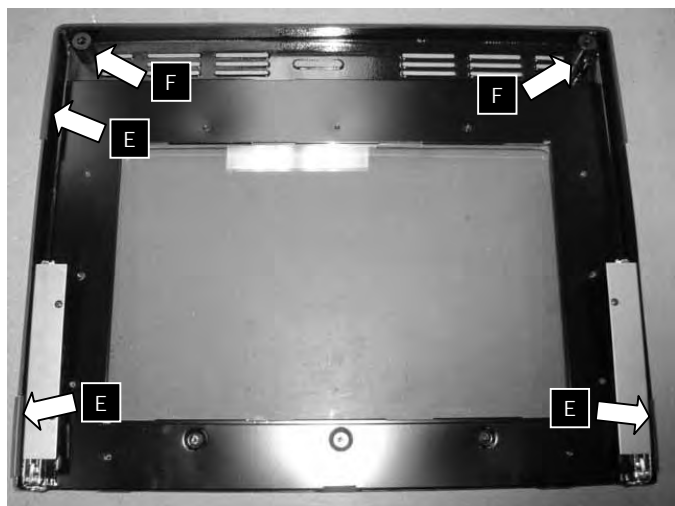
- Remove the oven door(s) as described on page 8-9.
- Lay the door on a flat, padded surface with the door gasket facing up.
- Remove the two (2) screws **B** in the top corners of the door and the two (2) inner screws **C** on the bottom of the door.

📄 NOTE: The outer screws **D** on the bottom of the door are part of the hinge assembly.

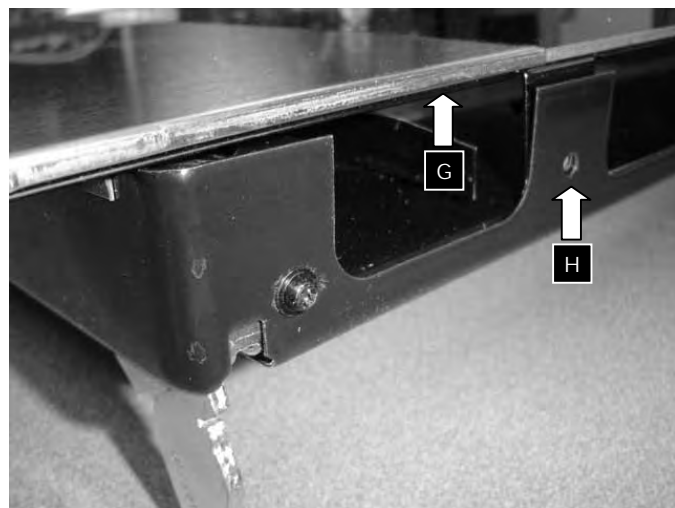
- Grasp the top end of the door with one hand and pull up. Pull the door handle out from underneath.
- Holding the door tightly with both hands, turn it over and place it on the flat, padded surface with the front door glass facing up. Be careful to hold the door assembly tightly while turning it over, since the screws that hold it together have been removed.
- Grab the front door glass assembly with both hands and remove it.
- If the silicone door gaskets **E** require replacement, replace them while the front door glass is removed.
- Make sure that the door spacers **F** in the top corners of the door are still in place before putting the front door glass back into in place.
- When replacing the front door glass assembly **G**, the tabs on the bottom should rest inside of the tabs on the door liner **H**.
- Holding the door tightly with both hands, turn it over and place it on the flat, padded surface with the door gasket facing up.
- To reinstall the door handle, grasp the top end of the door with one hand and pull up. Hold the handle in position on the front. Lower the door onto the padded surface.
- Replace the four (4) screws in the top corners and bottom and of the door and tighten into place. Do not over-tighten the screws because the door glass could crack.
- Reinstall the oven door(s) as described on page 8-10.



Oven Door Screws Locations



Door Gasket and Spacer Locations



Front Door Glass and Handle Reassembly

Door Switch Magnet and Hinges

- Remove the oven door(s) as described on page 8-9.
- Lay the door on a flat, padded surface with the door gasket facing up.
- Remove the two (2) screws **B** in the top corners of the door and the two (2) inner screws **C** on the bottom of the door.



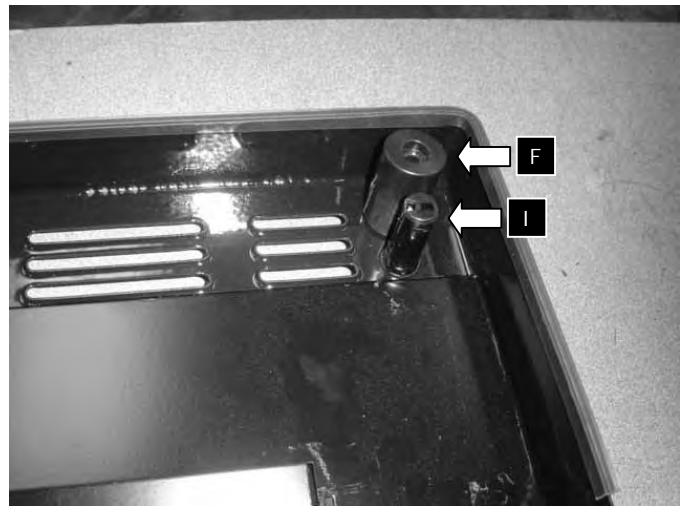
NOTE: The two outer screws **D** on the bottom of the door are part of the hinge assembly.

- Grasp the top end of the door with one hand and pull up. Pull the door handle out from underneath.
- Holding the door tightly with both hands, turn it over and place it on the flat, padded surface with the front door glass facing up. Be careful to hold the door assembly tightly while turning it over, since the screws that hold it together have been removed.
- Grab the front door glass assembly with both hands and remove it.
- If you are replacing the door magnet **I** (located in the top right corner below the door spacer **F**), use a screwdriver to break the plastic tabs on the side of the magnet that hold it in place. Push the old door magnet assembly out through the back of the door assembly. Insert the replacement door magnet into the door magnet mounting hole and push it in until it locks firmly into place.

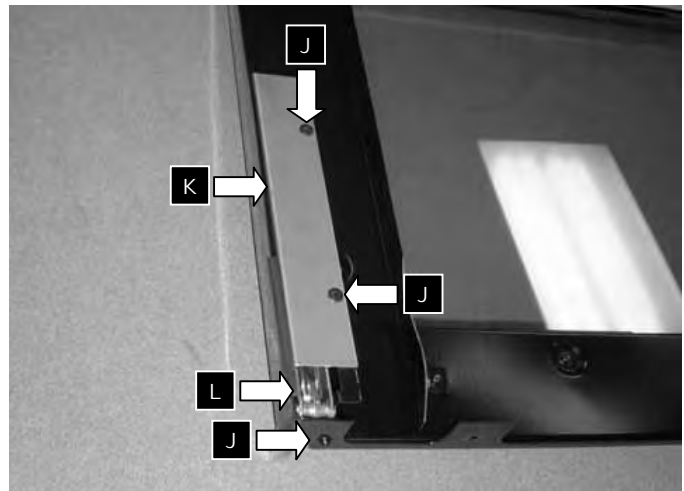
- If you are replacing one of the hinges, remove the three (3) screws **J** that hold the hinge cover plate **K** and the hinge **L** in place.



Oven Door Screw Locations



Door Magnet and Door Spacer



Door Hinge Screw Locations

- With the hinge cover plate removed, pry up the hinge **L** with a screwdriver. Insert the replacement hinge into place and install using the two (2) existing screws that hold it in place. Replace the hinge cover plate and the three (3) existing screws that hold it in place.



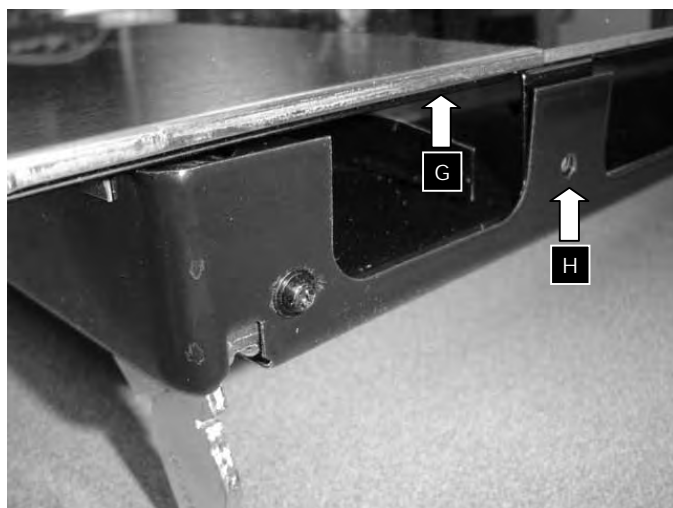
Hinge Removal

- Make sure that the door spacers **F** in the top corners of the door are in place before replacing the front door glass assembly.



Door Spacer Placement

- When replacing the front door glass assembly **G**, the tabs on the bottom should rest inside of the tabs on the door liner **H**.
- Holding the door tightly with both hands, turn it over and place it on the padded surface with the door gasket facing up.
- To reinstall the door handle, grasp the top end of the door with one hand and pull up. Hold the handle in position on the front. Lower the door onto the padded surface.
- Replace the four (4) screws in the top corners and bottom and of the door and tighten into place. Do not over-tighten the screws, because the door glass could crack.
- Reinstall the oven door(s) as described on page 8-10.



Front Door Glass Reassembly

Inner Door and Window Assembly

WARNING: To prevent personal injury, use gloves when handling glass components that are broken or shattered.

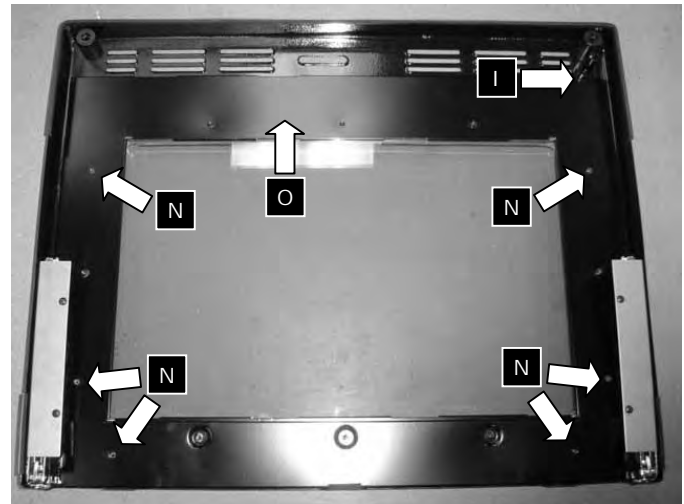
- Remove the oven door(s) as described on page 8-9.
- Lay the door on a flat, padded surface with the door gasket facing up.
- Remove the two (2) screws **B** in the top corners of the door and the two (2) inner screws **C** on the bottom of the door.

NOTE: The two outer screws **D** on the bottom of the door are part of the hinge assembly.



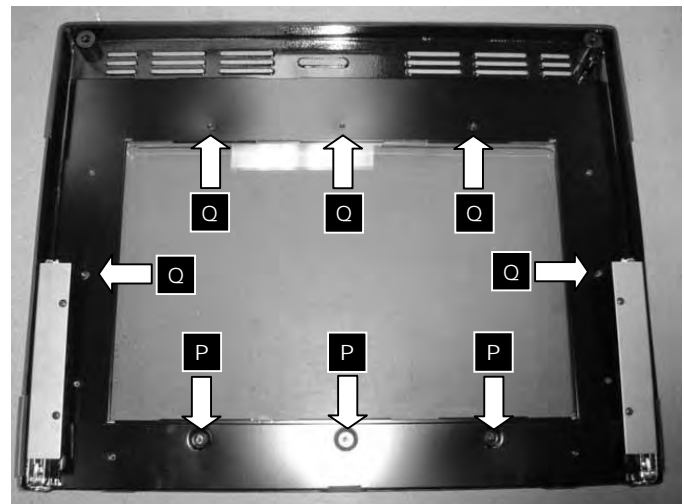
Oven Door Screw Locations

- Grasp the top end of the door with one hand and pull up. Pull the door handle out from underneath.
- Holding the door tightly with both hands, turn it over and place it on the flat, padded surface with the front door glass facing up. Be careful to hold the door assembly tightly while turning it over, since the screws that hold it together have been removed.
- Grab the front door glass with both hands and remove it.
- Remove the six (6) screws **N** that hold the inner heat shield **O** in place. Lift the outer heat shield up and out towards the top of the door. Take care not to damage the door magnet **I**.



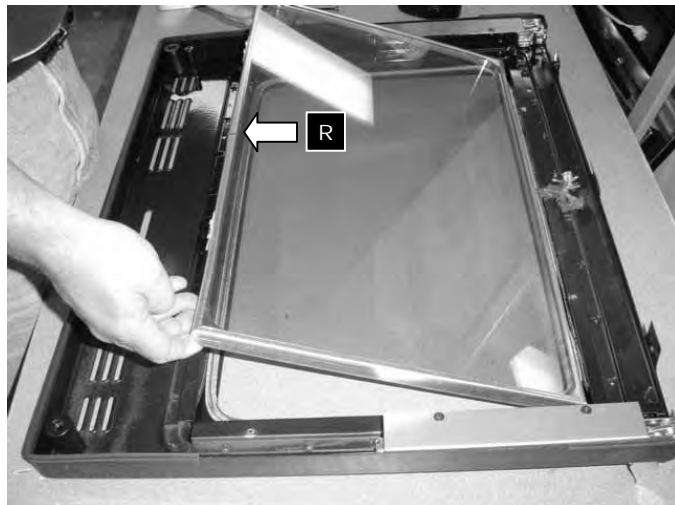
Inner Heat Shield Screw Locations

- Remove the three (3) screws **P** that hold the lower outer heat shield in place. Lift the lower outer heat shield up and out towards the top of the door.
- Remove the five (5) remaining screws **Q** that hold the upper outer heat shield in place. Lift up and remove the upper outer heat shield toward the top of the door. Take care not to damage the door magnet.



Lower Outer and Outer Heat Shield Screw Locations

- Push the glass window assembly out of the door liner from the bottom and lift it out.
- Replace the window glass assembly. The seam **R** in the metal rim around the glass must be put toward the top of the door.
- Replace the upper outer heat shield and tighten into place using the five (5) existing screws.
- Replace the lower outer heat shield and tighten into place using the three (3) existing screws.
- Replace the inner heat shield and tighten into place using the six (6) existing screws.



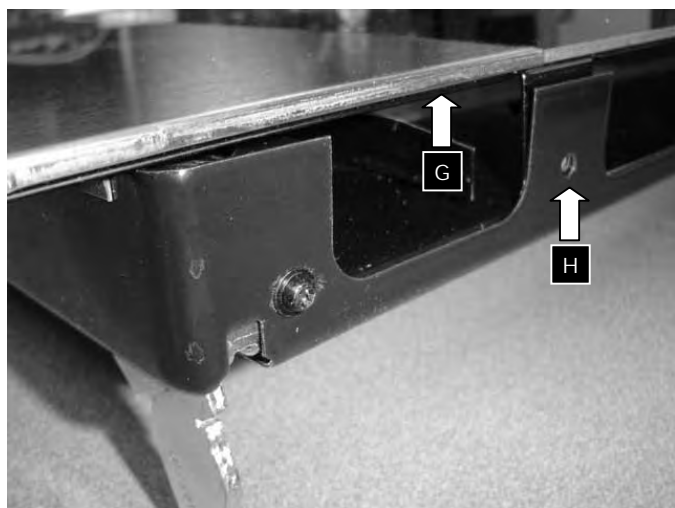
Inner Door Glass Assembly Removal

- Make sure that the door spacers **F** in the top corners of the door are in place before putting the replacement door glass in place.




Door Spacer Placement


- When replacing the front door glass assembly **G**, the tabs on the bottom should rest inside of the tabs on the door liner **H**.
- Holding the door tightly with both hands, turn it over and place it on the flat, padded surface with the door gasket facing up.
- To reinstall the door handle, grasp the top end of the door with one hand and pull up. Hold the handle in position on the front. Lower the door onto the padded surface.
- Replace the four (4) screws in the top corners and bottom and of the door and tighten into place. Do not over-tighten the screws, because the door glass could crack.
- Reinstall the oven door(s) as described on page 8-10.



Front Door Glass Reassembly

Control Panel

 **WARNING:** Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.

 **WARNING:** The control panel, power supply, and relay board assemblies in this oven contain electronic components that are sensitive to electrostatic discharge (ESD). Wear a properly grounded antistatic wrist strap when handling or servicing the printed circuit assemblies. Insert the ESD sensitive circuit boards into antistatic bags before placing them on any surface other than the oven chassis.

- Remove the oven from the wall as specified on page 8-10.
- Remove the four (4) screws from the top of the oven immediately in back the control panel.



Screws on Top of Control Panel

- Remove the six (6) screws from the bottom of the control panel.



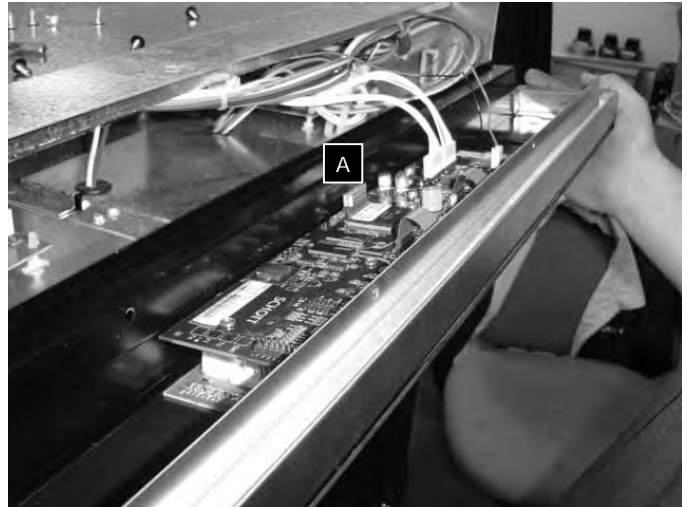
Screws on Bottom of Control Panel

- Grab the sides of control panel with both hands and pull it forward with a gentle rocking motion until it comes loose from the front of the oven.



Control Panel Removal

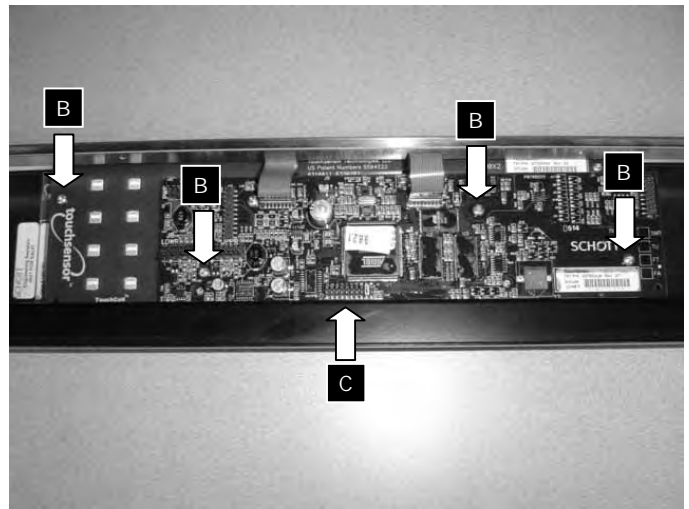
- Disconnect the wires **A** from the back of the control panel printed circuit board assembly.
- When replacing the control panel, connect the wires from the oven to the printed circuit board assembly on the back of the control panel. Match the location marked to on the connectors to the locations marked on the printed circuit board. *Single ovens* have two (2) connections, while *double oven* models have three (3).



Control Panel Wiring

Oven Controller Removal

- Remove the four (4) screws **B** that hold the oven controller **C** in place.



Oven Controller Screw Locations

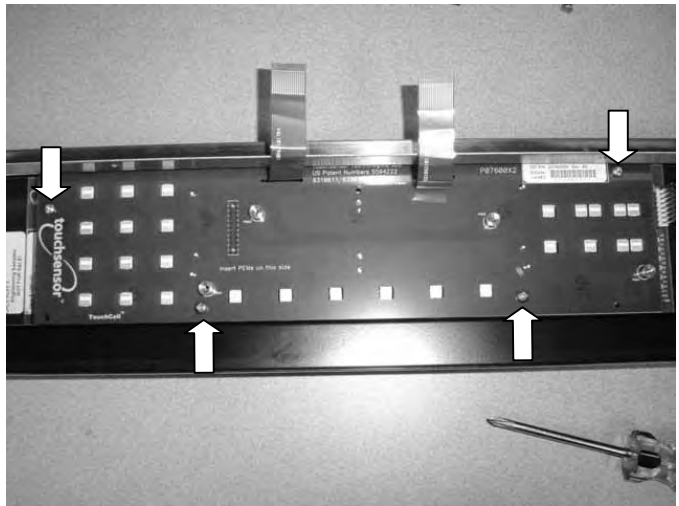
- Remove both of the display flex connectors from the two (2) sockets on the back of the oven controller board.
- Pull the oven controller off the back of the LED board with a gentle rocking motion.



Display Flex Connections

LED Board Removal

- Remove the four (4) screws that hold the LED board on the back of the touch panel.
- Remove the LED board from the back of the touch panel.

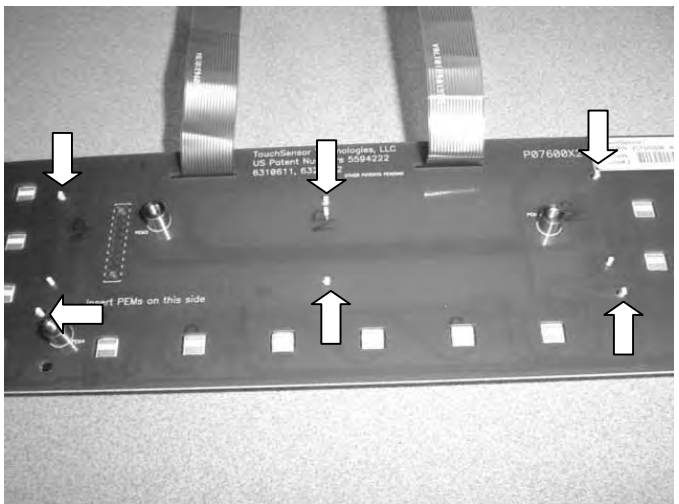


LED Board Screw Locations

LCD Display Removal

The LCD display is mounted to the back of the LED board.

- Pull out gently on the display while prying the six (6) display retention clips loose on the other side of the LED board.

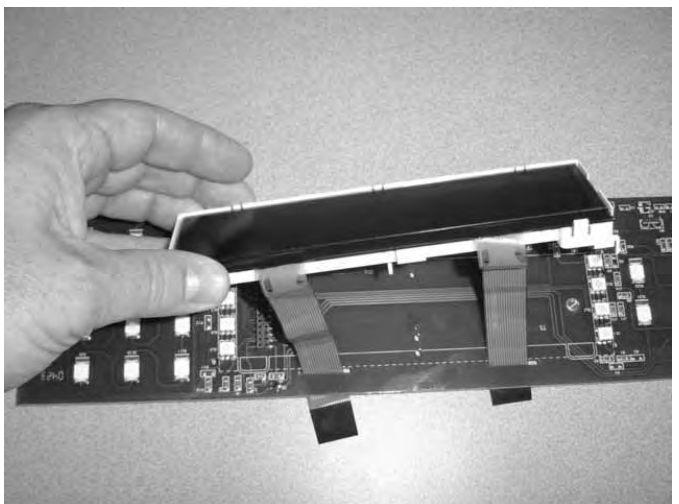


Display Retention Clip Locations

- Remove the display from the back of the LED board.

To reinstall the control panel:

- Reassemble the control panel in the reverse order.
- Install the control panel in its original position and replace the ten (10) screws that hold it in place.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).



LCD Display Removal

Components Behind the Control Panel



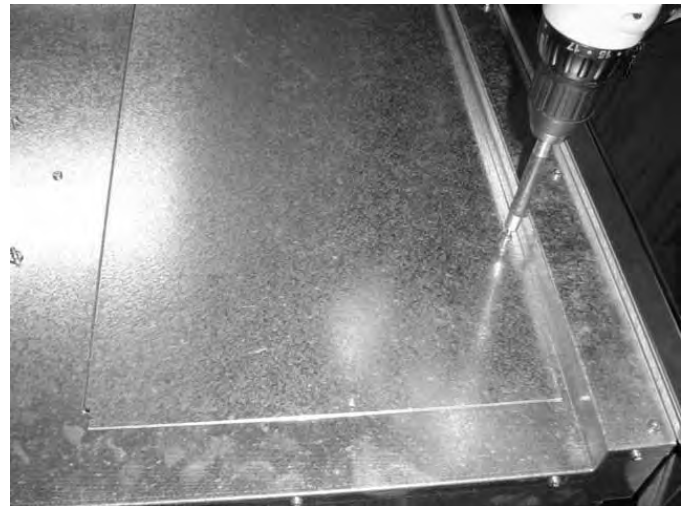
WARNING: Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.

Power Supply and Relay Boards



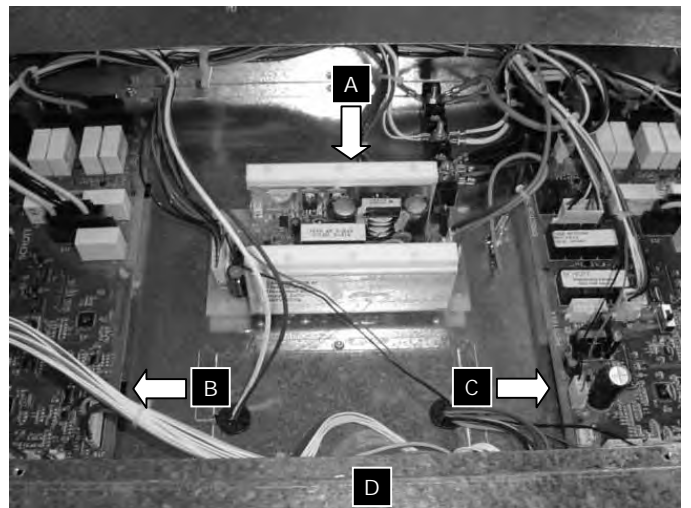
WARNING: The control panel, power supply, and relay board assemblies in this wall oven contain electronic components that are sensitive to electrostatic discharge or ESD. Wear a properly grounded antistatic wrist strap when handling or servicing the printed circuit assemblies. Insert the ESD sensitive circuit boards into antistatic bags before placing them on any surface other than the oven chassis.

- Remove the oven completely from the wall as specified on page 8-10.
- Remove the four (4) screws that hold the top access panel in place on the top of the oven. Remove the access panel.



Access Panel Removal

- When replacing the power supply **A**, or a relay board **B** **C**, remove the connectors from the assembly being replaced. Take note of the orientation of the power supply or relay board in relation to the front of the oven **D** before removal. A *double oven* has two relay boards (lower **B** and upper **C**) while a *single oven* has only one on the left side of the chassis **B**.



Power Supply and Relay Boards

Dacor® Wall Oven Service Manual

- To release the relay board or power supply, pinch the end of the stand-offs with a pair of needle nose pliers while gently pulling up on the printed circuit board.

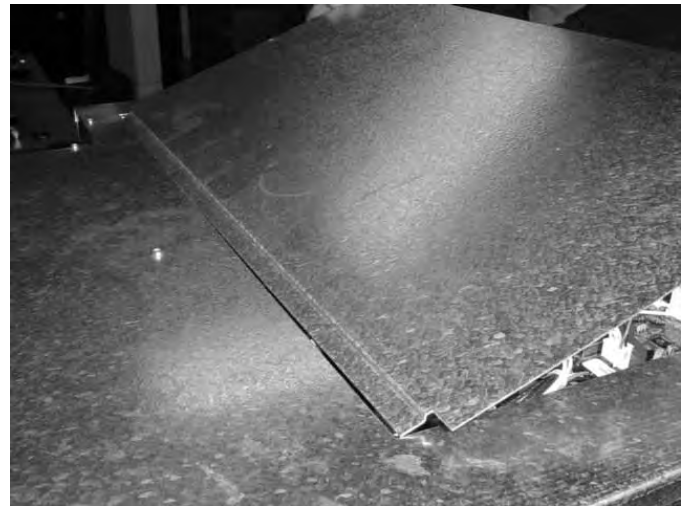


IMPORTANT: The switch on the top of the relay board must be set to the correct position for the oven to work properly.

- If replacing a relay board, set the switch (SW1) on top of the board to "LOWER" or "UPPER" as appropriate. On *single ovens*, set SW1 to "UPPER". Place the board in the same orientation as the board that was removed.
- If replacing the power supply board, install it in the same orientation as the power supply that was removed.
- Reconnect the wiring harness according to the wiring diagram (Appendix D). Make sure that all wires are properly held in place by the wire clips inside the access panel.
- Holding the access panel with both hands, insert the lip of the access panel underneath the back edge of the access panel hole. Be careful not to pinch any of the wires.
- Secure the access panel in place with the four (4) existing screws.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).



Circuit Board Removal



Replacing the Access Panel

Door Latch and High Limit Switch

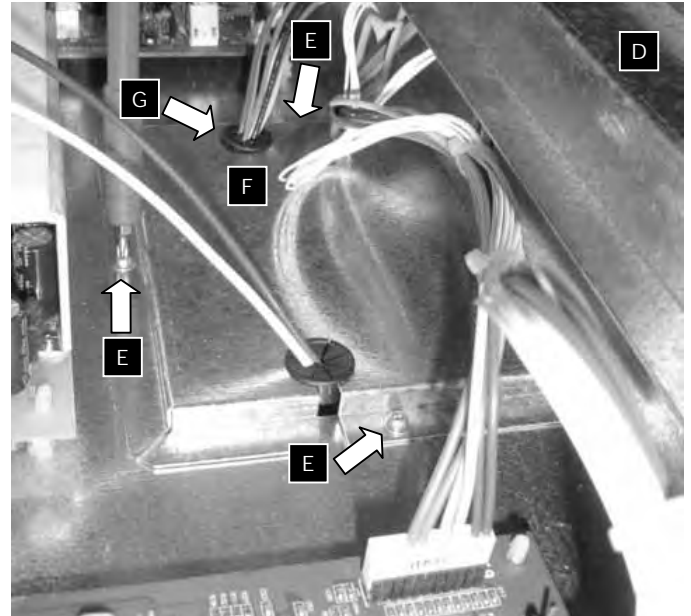


WARNING: Accessing the door latch and high limit switch requires that oven's top panel be removed. When the top panel is removed, the oven's printed circuit assemblies are exposed. The printed circuit assemblies contain electronic components that are sensitive to electrostatic discharge or ESD. Wear a properly grounded anti-static wrist strap when touching or servicing the printed circuit assemblies.



NOTE: To replace the door latch or high limit switch on the bottom chamber of a double oven, see page 8-49.

- Remove the oven completely from the wall as specified on page 8-10.
- Remove the four (4) screws that hold the access panel on the top of the oven in place and remove it (reference page 8-29).
- Remove the three (3) screws **E** that hold the door latch access panel **F** in place. The door latch access panel is located directly behind the control panel **D**.
- Remove the door latch access panel and the wiring harness **G** from one side of the door latch access panel to allow access to the door latch and the high limit switch.



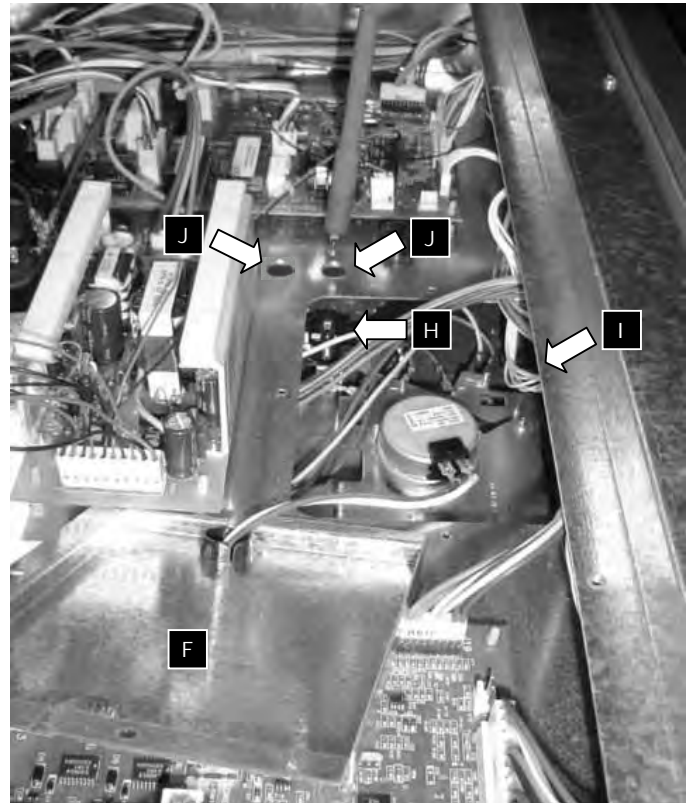
Single/Top Door Latch Access Panel

- If replacing the door latch:
 - ◆ Remove the two (2) screws that hold the door latch in place just below the front of the control panel.
 - ◆ Pull the door latch out of the door latch access hole.
 - ◆ Label the wires and disconnect them from the door latch.
 - ◆ Connect the replacement door latch to the wiring harness, as labeled.
 - ◆ Insert the door latch back into the access hole and line up the screws holes on the latch with the mounting holes below the control panel.
 - ◆ Replace the two (2) screws that hold the door latch in place on the front of the oven.



Door Latch Screw Locations

- If replacing the high limit switch:
 - ♦ Remove the two (2) screws that hold the high limit switch **H** in place. They removed through access holes **J** next to the door latch access hole **I**.
 - ♦ Pull the high limit switch out of the access hole.
 - ♦ Label and disconnect the wires.
 - ♦ Connect the replacement high limit switch to the wiring harness as labeled.
 - ♦ Insert the replacement high limit switch into the access hole and install it using the two (2) existing screws.
- Reattach the wiring harness to the door latch access panel **F**. Make sure that the cable bushing is in place.
- Attach the door latch access panel using the existing three (3) screws.
- Holding the access panel with both hands, insert the lip of the access panel underneath the back edge of the access panel hole. Be careful not to pinch any of the wires.
- Secure the access panel in place with the four (4) existing screws.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as a shown in the installation section of this manual (see page 3-13).



High Limit Switch Screw Locations



Replacing the Access Panel

Door Switch



WARNING:

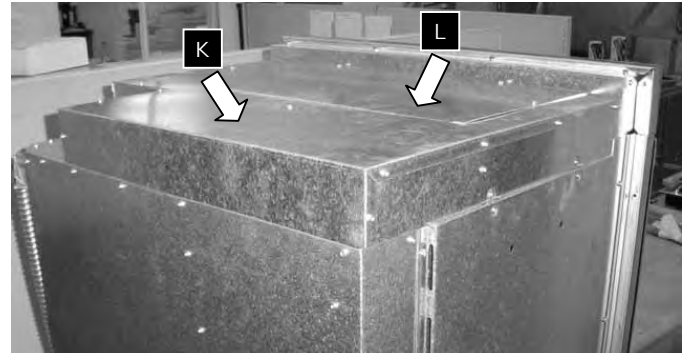
Accessing the door switch requires that oven's top panel be removed. When the top panel is removed, the oven's printed circuit assemblies are exposed. The printed circuit assemblies contain electronic components that are sensitive to electrostatic discharge or ESD. Wear a properly grounded anti-static wrist strap when touching or servicing the printed circuit assemblies.



NOTE:

For lower door switch removal on a *double oven*, see page 8-51.

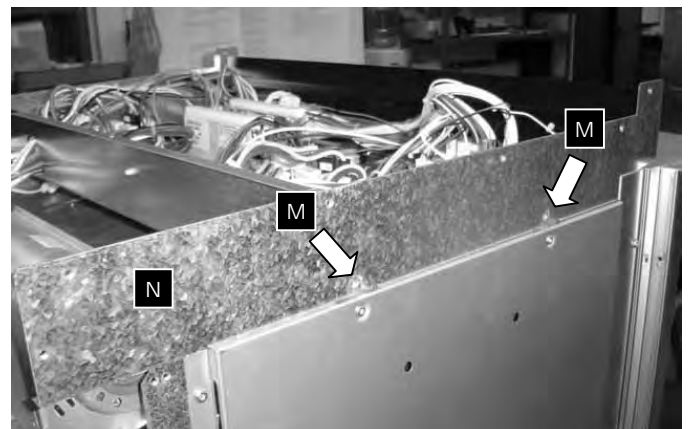
- Remove the oven completely from the wall as specified on page 8-10.
- Remove the top cover **K** by removing the eighteen (18) screws that hold it in place. It is NOT necessary to remove the access panel **L** in the center of the top cover.
- Remove the two (2) screws that connect the trim panels to the control panel. Removal of the two (2) control panel screws is required to allow the chassis to be raised for access to the switch.
- Remove the four (4) screws (2 on each side **M**) that hold the printed circuit chassis **N** to the top of the oven.



Oven Top Panel and Access Panel

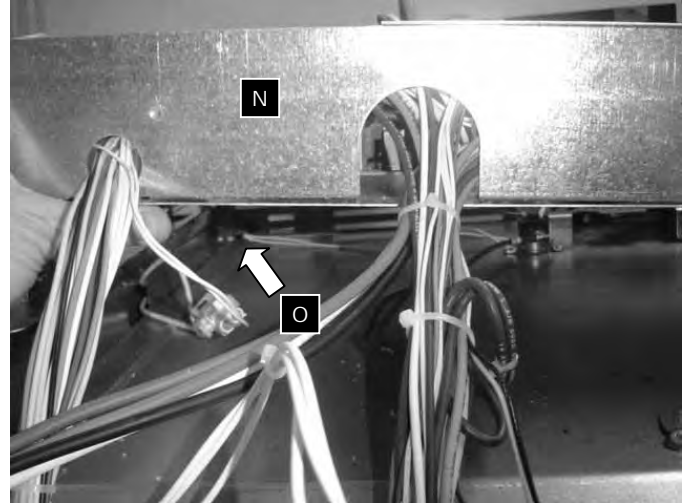


Control Panel Trim Post Screw Location




Chassis Mounting Screw Locations


- Hold the printed circuit chassis **N** up from the back of the oven and reach underneath to disconnect the door switch **O** from the wiring harness.
- Use a screwdriver to break off the plastic tabs that hold the switch in place.
- Push the switch out through the front of the oven.
- Insert the replacement switch, wires first, through the front of the oven. Push in on the switch until it locks firmly into place.
- From the back side of the oven, reconnect the door switch to the wiring harness.
- Replace the four (4) screws that hold the chassis to the top of the oven.
- Replace the two (2) screws that connect the trim posts to the control panel.
- Replace the top cover.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).



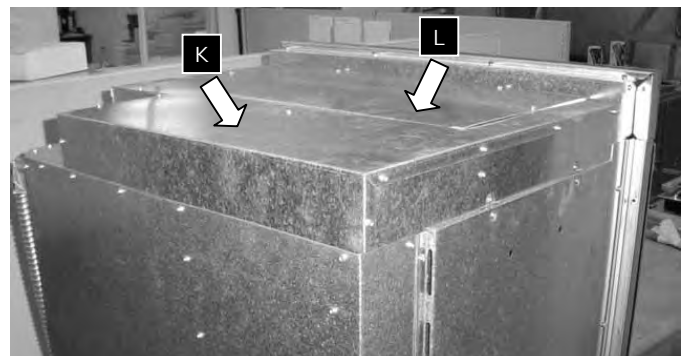
Door Switch Location

Smoke Eliminator, Chassis, Single Oven

 **WARNING:** Accessing the chassis smoke eliminator requires that oven's top panel be removed. When the top panel is removed, the oven's printed circuit assemblies are exposed. The printed circuit assemblies contain electronic components that are sensitive to electrostatic discharge or ESD. Wear a properly grounded anti-static wrist strap when touching or servicing the printed circuit assemblies.

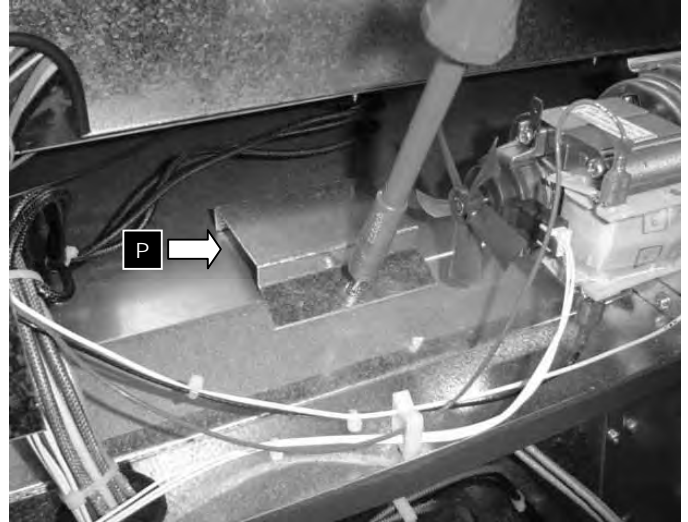
 **NOTE:** For removal of the oven chamber smoke eliminator see page 8-12. For removal of the chassis smoke eliminator for a *double oven*, see page 8-52.

- Remove the oven completely from the wall as shown on page 8-10.
- Remove the top cover **K** by removing the eighteen (18) screws that hold it in place. It is NOT necessary to remove the access panel **L** in the center of the top cover.



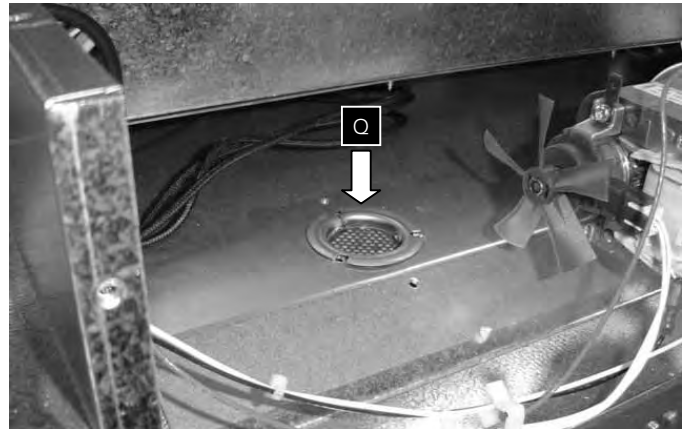
Oven Top Panel and Access Panel

- Remove the two (2) screws that hold the smoke eliminator duct (cover) **P** in place.




Single /Top Upper Smoke Eliminator Duct (cover)

- Remove the three (3) screws that hold the smoke eliminator **Q** in place.
- Install the replacement smoke eliminator using the three (3) existing screws.
- Replace the smoke eliminator duct (cover) using the two (2) existing screws.
- Replace the top cover.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).





Single/Top Upper Smoke Eliminator


Components Behind the Side Panels


 **WARNING:** Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.


Light Fixtures

 **WARNING:** To prevent electrical shock and/or personal injury, make certain that the oven and light bulb(s) are cool and that power to the oven has been turned off at the main power supply before replacing the light bulb(s).

 **WARNING:** Always ensure that the lens cover is in place when using the oven. The lens cover protects the bulbs from breakage that can be caused by high temperatures or being bumped.

 **WARNING:** Accessing the light fixture wiring requires that oven's top panel be removed. When the top panel is removed, the oven's printed circuit assemblies are exposed. The printed circuit assemblies contain electronic components that are sensitive to electrostatic discharge or ESD. Wear a properly grounded antistatic wrist strap when touching or servicing the printed circuit assemblies.

 **IMPORTANT:** Do not touch the halogen light bulbs with your fingers. Hand oils will stick to the bulb and cause it to burn out faster than normal. Use a glove when handling them.

 **NOTE:** Light bulb replacement is considered to be a homeowner maintenance operation.

- Remove the oven completely from the wall as specified on page 8-10.
- Remove the trim post from the same side of the oven as the light fixture requiring service:
 - ◆ Remove the screw that attaches the top of the trim post to the bottom of the control panel.



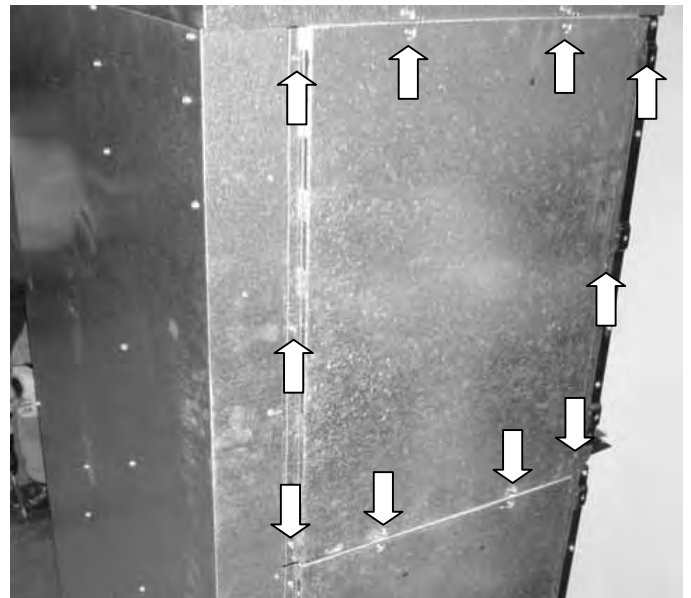
Control Panel Trim Post Screw Location

- ◆ Remove the screws that attach the trim post to the side of the oven. On a *single oven* there are three (3), on a *double oven* there are six (6).



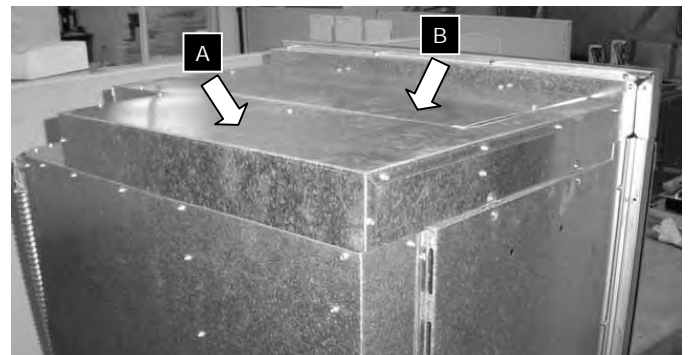
Trim Post Side Screws

- Remove the ten (10) screws that hold the case side cover in place on the same side of the oven as the light fixture requiring service. If you are servicing a *double oven*, you need only remove the side panel for the oven chamber with the light fixture that requires service.



Case Side Cover Screw Locations

- Remove the top panel **A** by removing the eighteen (18) screws that hold it in place. It is NOT necessary to remove the access panel **B** in the center of the top panel.



Oven Top Panel and Access Panel

Dacor® Wall Oven Service Manual

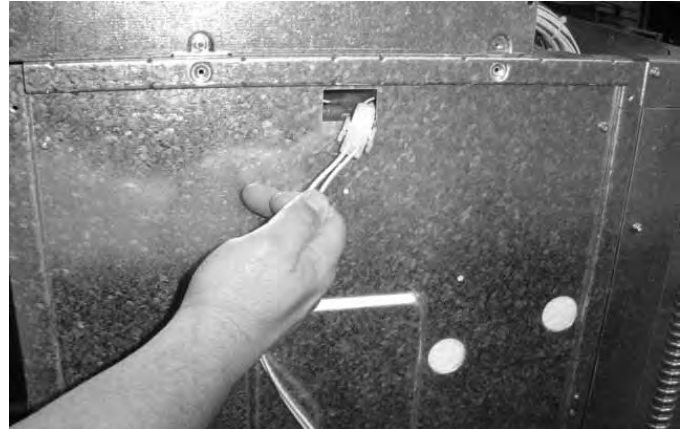
The wires for the light fixtures (and the meat probe socket) run up the side of the oven chamber behind the case side covers.

Single ovens and upper double oven:

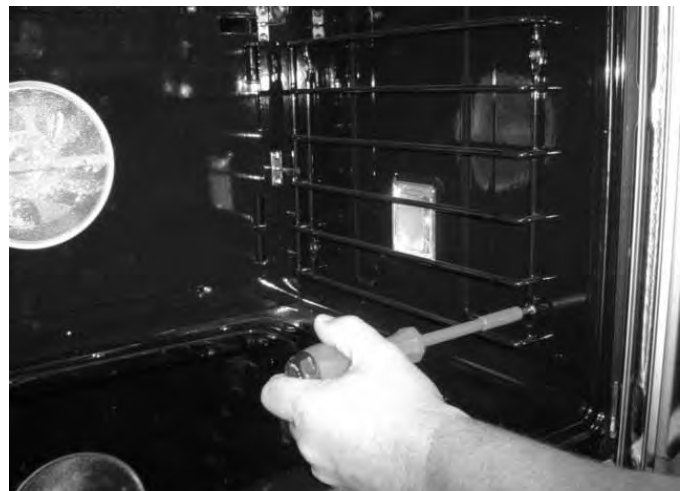
- ◆ Expose the connector for the light fixture by pushing the connector through the floor of the chassis and pulling the wires out through the access hole in the side of the oven chamber. Remove the bushing on the floor of the oven to make it easier to push the connector out of the chassis.

Lower double oven:

- ◆ Expose the connector for the light fixture by pulling the wires out through the access hole in the side of the oven chamber.
- Remove the four (4) screws that hold the rack support in place in front of the light fixture being serviced. Be careful not to scratch the inside surface of the oven when removing the rack support.



Light Fixture Connector

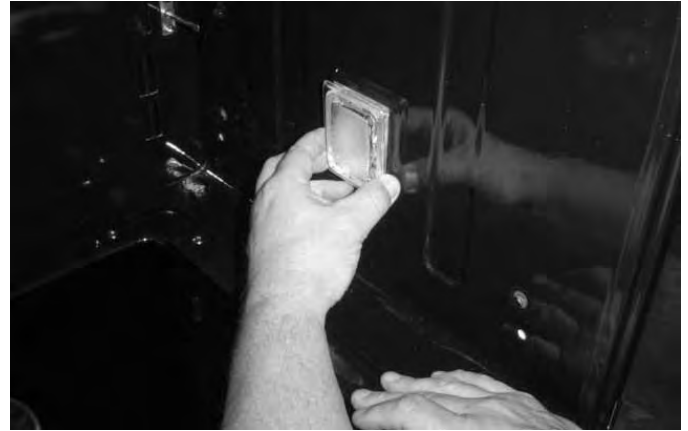


Rack Support Screw Locations



IMPORTANT: Use the lens stick with caution. Do not cause uneven stress on the lens.

- Gently insert the pointed end of the lens pry stick (Dacor Part No. 62974), supplied with the oven, under the center edge of the lens. Hold your hand under the lens for support, then pull it straight out.
- Using a glove, pull the light bulb straight out of the light socket (do not turn).
- Using a glove, insert the bulb into the replacement light fixture socket. If replacing the bulb, use only Dacor light bulb Part No. 92317.
- Using a screwdriver, pry the locking tabs toward the back of the old light fixture forward. Prying the tabs forward will allow the fixture to be removed from the oven wall.



Light Fixture Lens Removal



Light Fixture Tabs

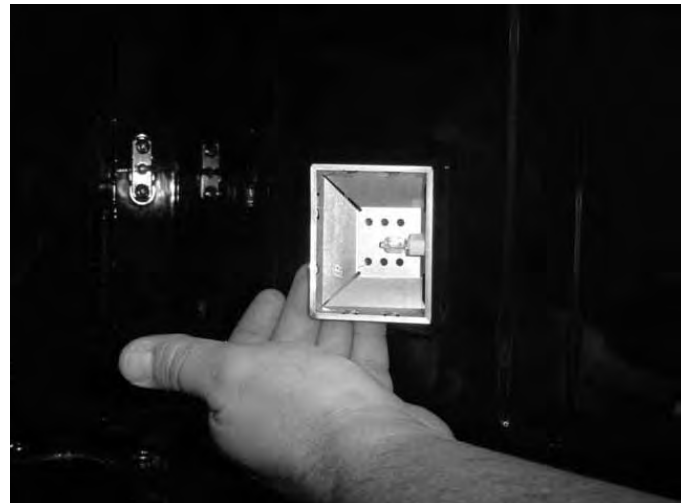
- Pull the light fixture out of the hole in the side of the oven, pulling the wire and connector with it. Use a screwdriver, if necessary, to move the insulation around behind the hole to allow the connector to slide out of the wall into the oven chamber.
- Gently push the connector and wire attached to the replacement light fixture through the hole and insulation in the wall of the oven. Use a screwdriver, if necessary, to move the insulation around behind the hole to allow the connector to pass through to the outside of the oven chamber.
- Reconnect the light fixture wiring to the connector on the side of the oven. Push the light fixture connector back into the access hole.

Single ovens and upper double oven:

- ◆ Pull the light fixture connector up into the chassis. If necessary, reposition the meat probe connector in the same way. Replace the wire bushing.



WARNING: On *single* and *upper double ovens*, the light fixture (and meat probe) connectors must be pulled up into the chassis to prevent restriction of airflow.



Light Fixture Removal

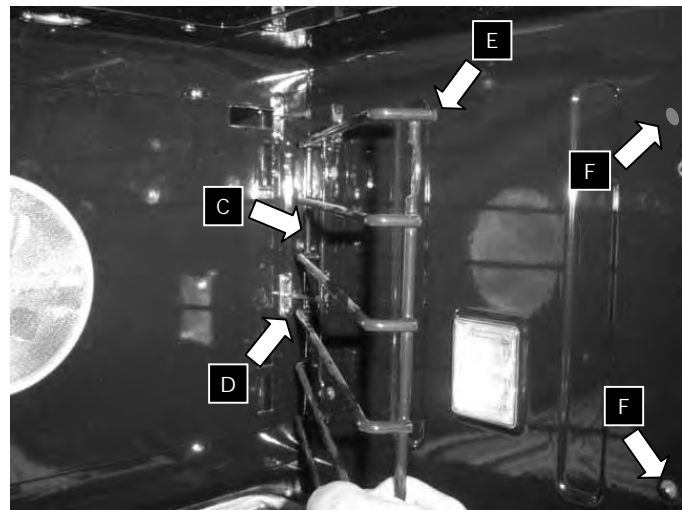
- Reinstall the lens cover by aligning the cover over the

opening and gently pressing it into its original position. Be sure that the side of the lens cover with the cutout is toward the front of the oven, by the light socket.



IMPORTANT: To prevent scratching of the oven and wall, replace the rack support only in the manner specified below.

- Insert the end of the rack support with the two (2) vertical bars first **C**. Insert the rack support into the oven at a 45° angle to the sidewall, placing the two (2) vertical bars behind the temperature sensor **D**.
- Rotate the rack support into place, matching the four (4) protruding pins **E** on the rack support to the holes **F** on the side of the oven wall.
- Mount the rack support in place using the four (4) existing screws.
- Reinstall the side panel using the ten (10) existing screws.
- Replace the top cover.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Replace the trim post using the existing screws. One of the screws is inserted through the top of the trim post into the control panel. A *single oven* has three (3) screws holding the side of the trim post in place, while a *double oven* has six (6) screws holding the side of the trim post in place.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).



Rack Support Installation

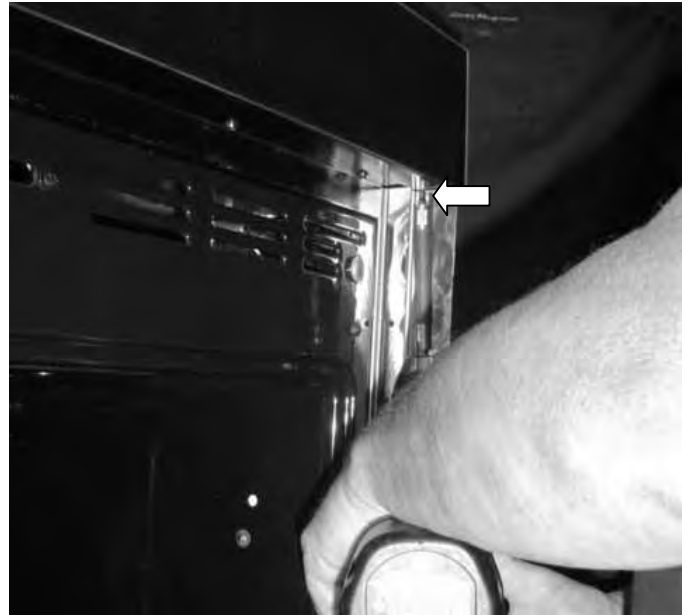
Meat Probe Socket



WARNING:

Accessing the meat probe socket wiring requires that oven's top panel be removed. When the top panel is removed, the oven's printed circuit assemblies are exposed. The printed circuit assemblies contain electronic components that are sensitive to electrostatic discharge or ESD. Wear a properly grounded antistatic wrist strap when touching or servicing the printed circuit assemblies.

- Remove the oven completely from the wall as specified on page 8-10.
- Remove the trim post from the left side of the oven (as you face the front):
 - ♦ Remove the screw that attaches the top of the trim post to the bottom of the control panel.



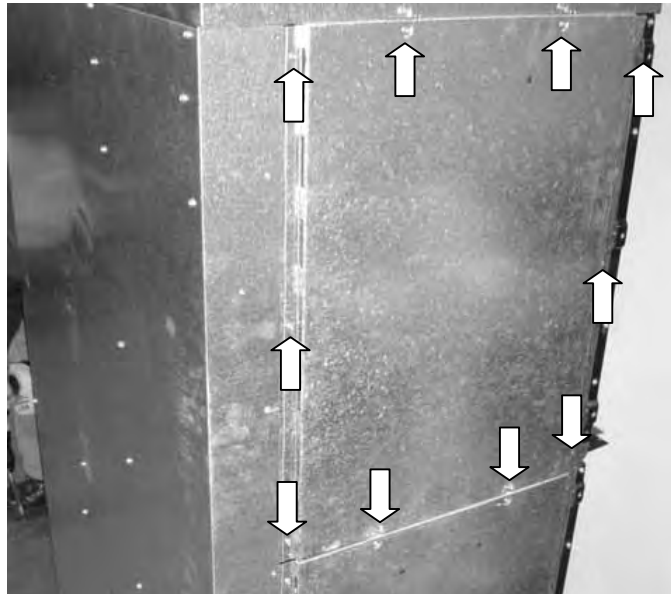
Control Panel Trim Post Screw Location

- ♦ Remove the screws that attach the trim post to the left side cover of the oven. On a *single oven* there are three (3), on a *double oven* there are six (6).



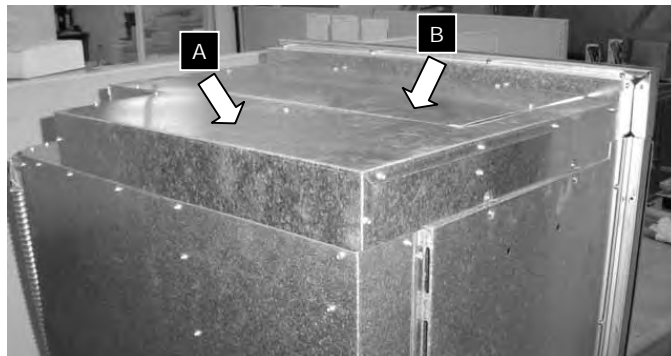
Trim Post Side Screws

- Remove the ten (10) screws that hold the left case side cover in place. If you are servicing a *double oven*, you need only remove the side panel for the oven chamber with the meat probe socket that requires service.



Case Side Cover Screw Locations

- Remove the top panel **A** by removing the eighteen (18) screws that hold it in place. It is NOT necessary to remove the access panel **B** in the center of the top panel.



Oven Top Panel and Access Panel

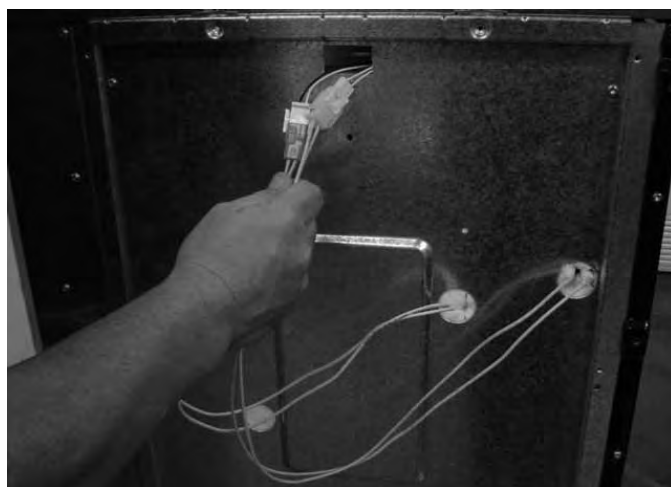
- The wires for the meat probe socket run up the left side (along with the light fixture wires) of the oven behind the left case side cover.

Single ovens and upper double oven:

- Expose the connector for the meat probe socket by pushing the connector through the floor of the chassis and pulling the wires out through the access hole in the side of the oven chamber. Remove the bushing on the floor of the oven to make it easier to push the connector out of the chassis.

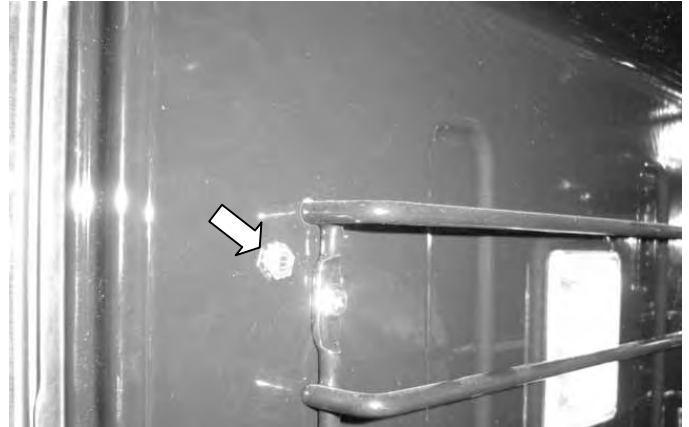
Lower double oven:

- Expose the connector for the meat probe socket by pulling the wires out through the access hole in the side of the oven chamber.
- Disconnect the meat probe wires from the connector.



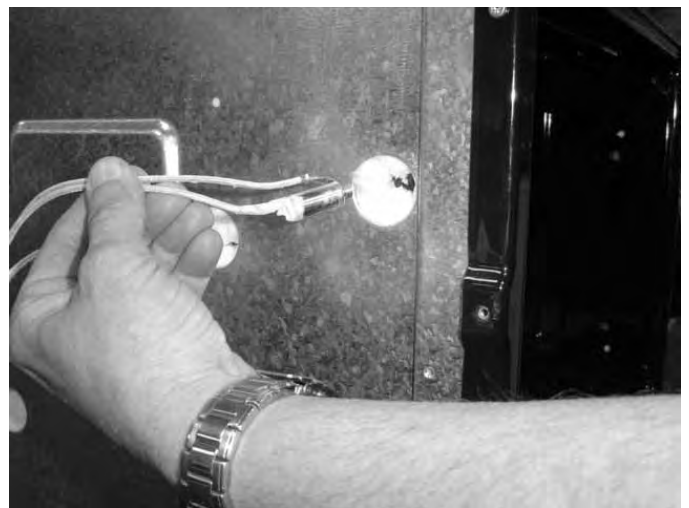
Meat Probe and Light Fixture Connectors

- Using a 3/8" nut driver, remove the nut that holds the meat probe socket in place.



Meat Probe Socket Nut


- Push the meat probe socket through the insulation and wire access hole in the wall of the oven. Use a screwdriver, if necessary, to move the insulation around behind the hole to allow the socket to pass through to the outside of the oven chamber.
- From the outside of the oven, push the replacement meat probe socket through the wire access hole and insulation in the wall of the oven. Guide the threaded end of the socket into the meat probe socket mounting hole. Use a screwdriver, if necessary, to move the insulation around behind the hole to allow the socket through from the outside of the oven chamber.
- Reconnect the meat probe wiring to the connector on the side of the oven. Push the meat probe connector back into the access hole.



Meat Probe Socket Removal

Single ovens and upper double oven:

- ♦ Pull the meat probe connector up into the chassis. Reposition the light fixture connector in the same way. Replace the wire bushing.

 **WARNING:** On *single* and *upper double ovens*, the meat probe (and light fixture) connectors must be pulled up into the chassis to prevent restriction of airflow.

- Replace the bushing on the floor of the chassis.
- Reinstall the case side cover using the ten (10) existing screws.
- Replace the top cover.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.

- Replace the trim post using the existing screws. One of the screws is inserted through the top of the trim post into the control panel. The remaining screws attach the trim post to the side of the oven. A *single oven* has three (3) screws holding the side of the trim post in place, while a *double oven* has six (6) screws holding the side of the trim post in place.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).

Components Behind the Back Cover

⚠ WARNING: Turn off the electrical power supply to the appliance prior to servicing it. Failure to disconnect the power supply during service may result in an electrical shock or fire hazard.

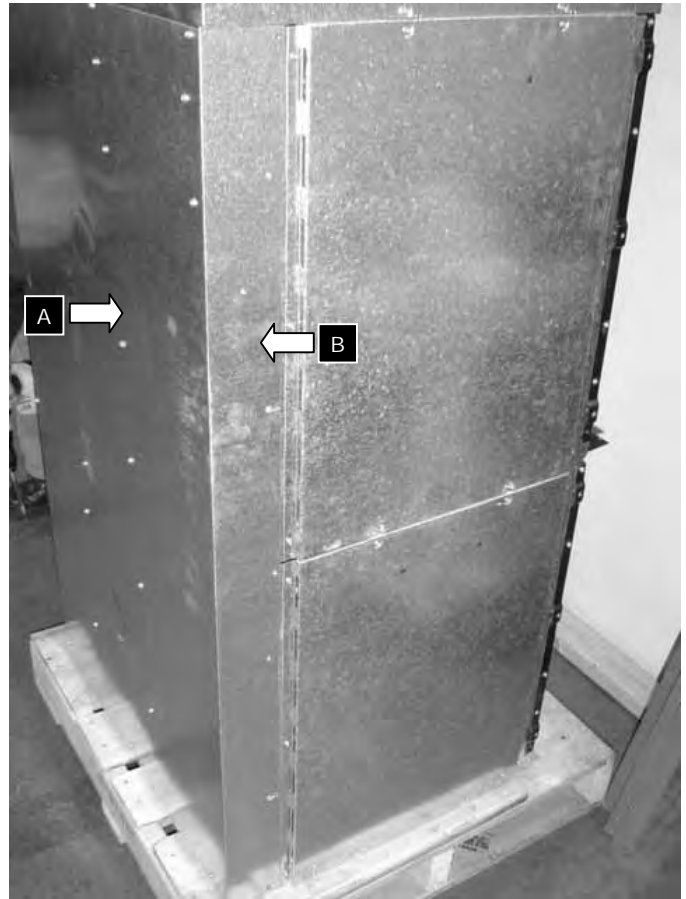
Removing the Back Cover

- Remove the oven completely from the wall as specified on page 8-10.
- Remove the screws from the back cover **A**. Some of the screws that hold the cover in place are located around sides **B**. See Table 8-3 for the number and location of screws.

Number of Screws in:	Single Oven	Double Oven
Back Cover	14	21
Left Side of Back Cover*	2	6
Right Side of Back Cover*	4	7

* Facing the Back of the Oven

Table 8-3 Back Cover Screws



Back Cover



Back Cover Removal

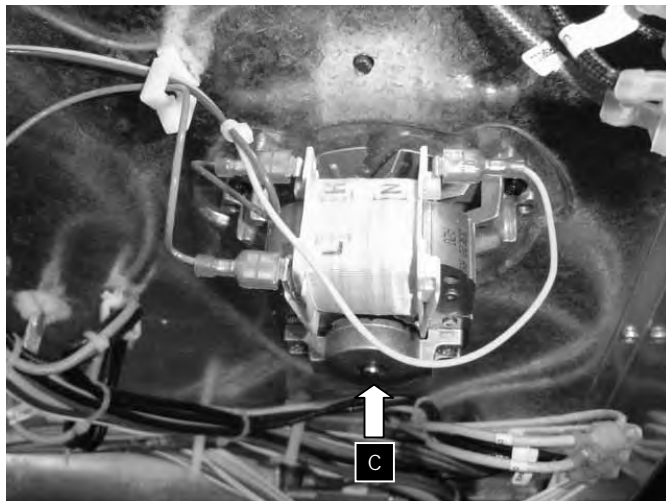
Convection Fan (motor)

- Remove the convection fan blade from inside the oven. See convection fan (blade) removal on page 8-13.
- With the convection fan and back cover removed (see page 8-45), disconnect the three (3) power wires connected to the fan motor **C**.

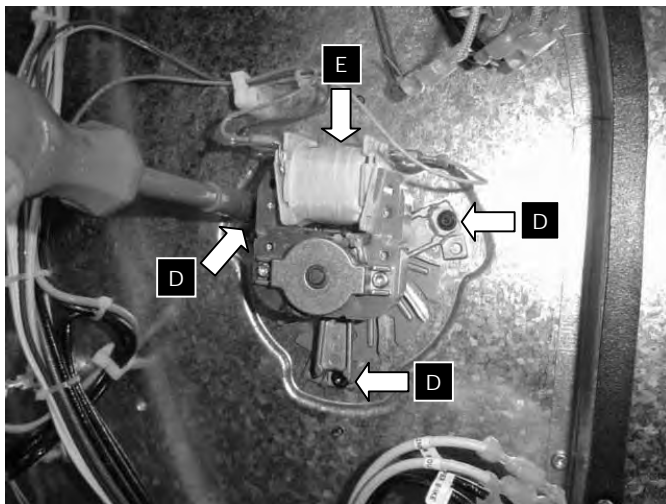
Terminal	Wire Color
Low (L)	Orange
High (H)	Brown
Neutral (N)	Yellow

Table 8-4 Convection Fan Wiring

- Remove the three (3) screws **D** that hold the convection fan motor in place.
- To reinstall the convection fan assembly:
 - ♦ Place the convection fan against the back wall of the oven with the electrical terminals **E** facing up.
 - ♦ Attach the fan motor to the back of the oven using the three (3) existing screws.
 - ♦ Attach the fan motor wires to the three (3) terminals on the fan motor according to Table 8-4.
 - ♦ Reinstall the convection fan and reinstall the convection baffle. Be sure that the convection baffle is in the correct orientation (large square hole on the bottom left, see page 8-14).
- Replace the back cover.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).



Convection Fan Motor Terminals



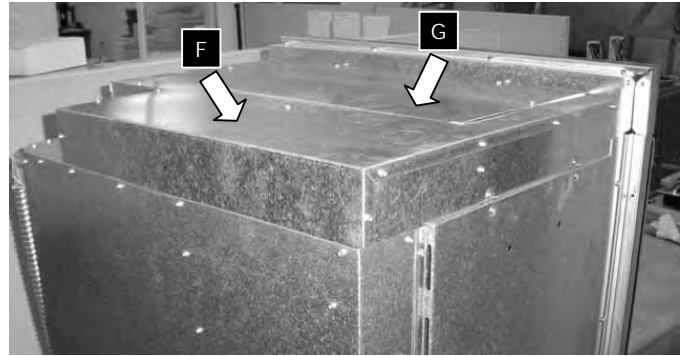
Convection Fan Assembly

Cooling Fan (blower)

⚠ WARNING: Accessing the cooling fan for a *single oven* or upper *double oven* requires that oven's top panel be removed. When the top panel is removed, the oven's printed circuit assemblies are exposed. The printed circuit assemblies contain electronic components that are sensitive to electrostatic discharge or ESD. Wear a properly grounded antistatic wrist strap when touching or servicing the printed circuit assemblies.

📄 NOTE: The following steps do not apply to the lower cooling fan on a double oven. For removal of the lower cooling fan on a *double oven*, see page 8-48.

- Remove the top panel **F** by removing the eighteen (18) screws that hold it in place. It is **NOT** necessary to remove the access panel **G** in the center of the top panel.



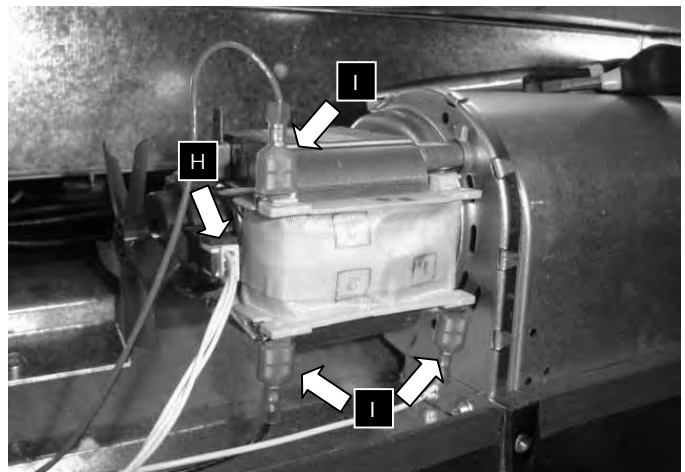
Oven Top Panel and Access Panel

With the back cover removed (see page 8-45), disconnect the tachometer connector **H** and the three (3) power wires **I** that are connected to the motor.

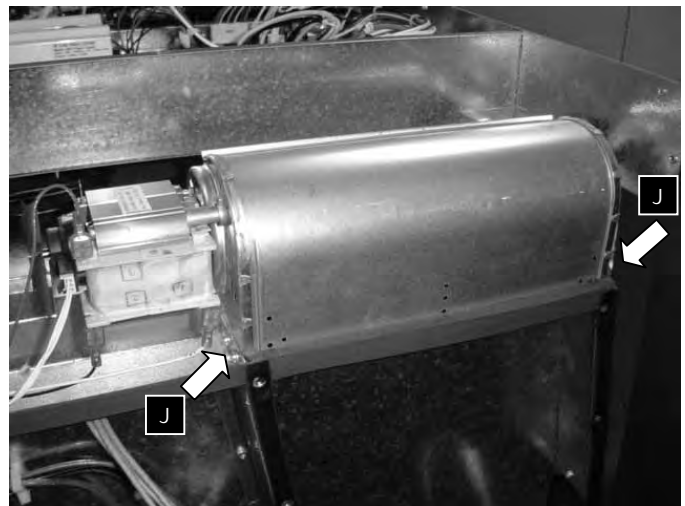
Terminal	Wire Color
1	White
2	Black
3	Blue

Table 8-5 Cooling Fan Wiring

- Remove the four (4) screws **J** at the base of the blower. Remove the cooling fan assembly.
- To reinstall the cooling fan assembly:
 - Inspect the fan first. Make sure the fan spins freely. The fan blades must be straight and not dented, so that there is no vibration when spinning.
 - Line up the four (4) screw holes on the blower with the mounting holes in the exhaust ducts that hold the cooling fan assembly in place. The motor should be on the left side, as you face the back of the oven. Insert the four (4) existing screws into the holes and tighten into place.
 - Plug the tachometer connector into the tachometer receptacle on the motor.
 - Connect the three (3) power wires to the terminals on the cooling fan assembly according to Table 8-5.
- Replace the back and top covers.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.




Cooling Fan Motor Terminals



Cooling Fan Assembly Screw Locations

- Reinstall the oven as shown in the installation section of this manual (see page 3-13).

Lower Cooling Fan (blower)

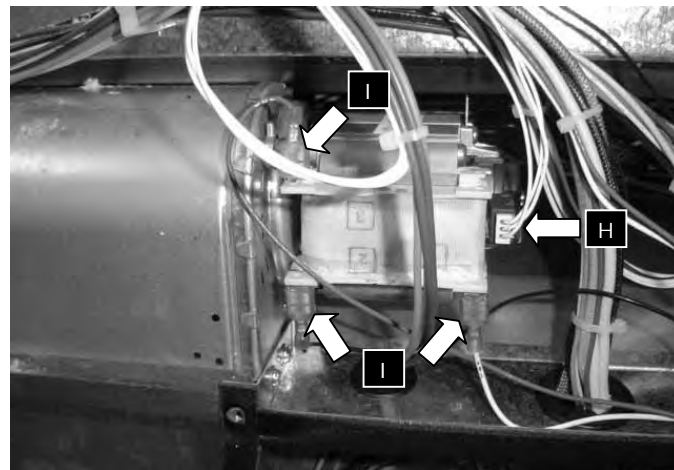
 **NOTE:** The following procedure applies only to the removal of the lower cooling fan on a double oven.

- With the back cover removed (see page 8-45), disconnect the tachometer connector **H** and the three (3) power wires **I** from the motor.

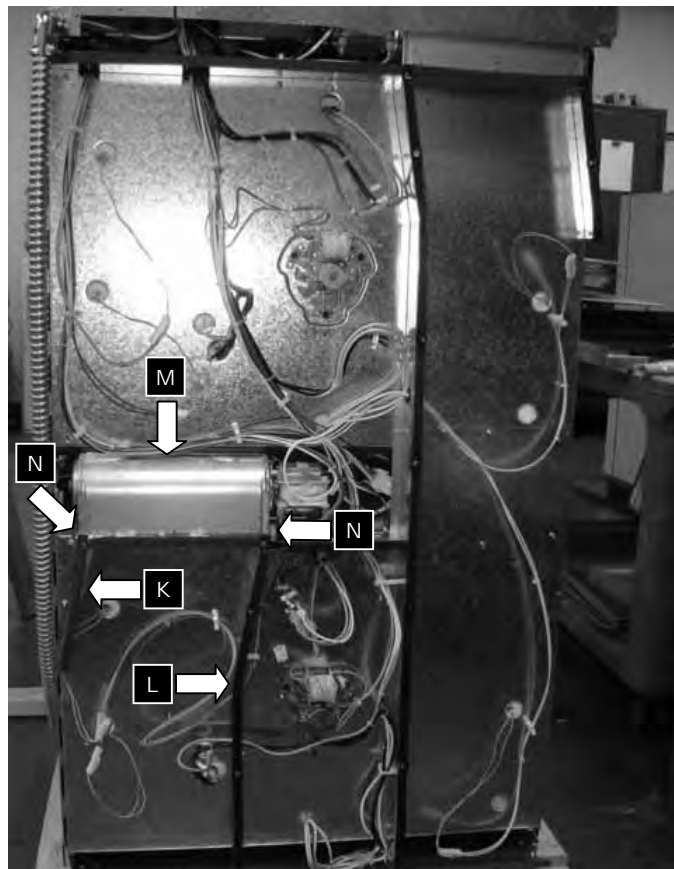
Terminal	Wire Color
1	White
2	Black
3	Blue

Table 8-6 Cooling Fan Wiring

- Remove the two (2) screws that hold the lower left exhaust duct **K** and the four (4) screws that hold the lower right exhaust duct **L** in place.
- Grasp the lower cooling fan assembly **M** with both hands. Push the assembly to the left, then pull out to remove.
- If replacing the cooling fan assembly, remove the screws **N** that attach the exhaust ducts to the blower assembly and install them on the replacement cooling fan assembly.
- To reinstall the cooling fan assembly:
 - ♦ Inspect the fan first. Make sure the fan spins freely. The fan blades must be straight and not dented, so that there is no vibration when spinning.
 - ♦ Line up the six (6) mounting holes on the exhaust ducts with the screw holes on the back of the oven.
 - ♦ Secure the cooling fan assembly in place, using the existing screws to re-attach the exhaust ducts to the back of the oven.
 - ♦ Plug the tachometer connector into the tachometer receptacle on the motor.
 - ♦ Connect the three (3) power wires to the terminals on the cooling fan assembly according to Table 8-6.
- Replace the back cover.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).



Lower Cooling Fan Motor Terminals




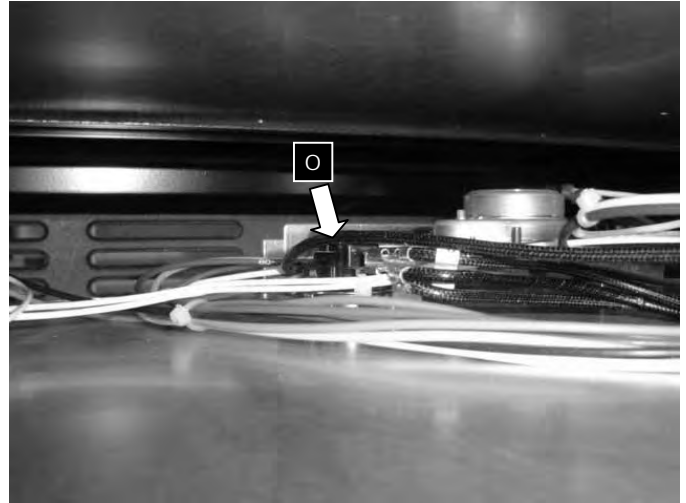
Lower Cooling Fan Assembly Screw Locations

High Limit Switch, Double Oven, Bottom



NOTE: To replace the high limit switch on a *single oven* or the upper chamber of a *double oven* see page 8-31.

- After removing the oven's back cover, remove the lower cooling fan (see page 8-48).
- Using a ratchet and a T-20 Torx head, reach into the space between the upper and lower oven chambers and remove the two (2) screws hold the high limit switch  in place.
- Using the wiring harness attached to the high limit switch, pull the high limit switch out of the back of the oven.
- Disconnect the wires from the high limit switch.
- To reinstall high limit switch:
 - ◆ Connect the wires on the wiring harness to the high limit switch.
 - ◆ Use the wiring harness to push the high limit switch into place between the oven chambers.
 - ◆ Line the mounting holes on the high limit switch up with the screw holes in the oven chamber.
- Using a ratchet and a T-20 Torx head, install the two (2) screws hold the high limit switch in place.
- Replace the lower cooling fan.
- Replace the back cover.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as a shown in the installation section of this manual (see page 3-13).



Lower High Limit Switch Location

Bottom Door Latch, Double Oven

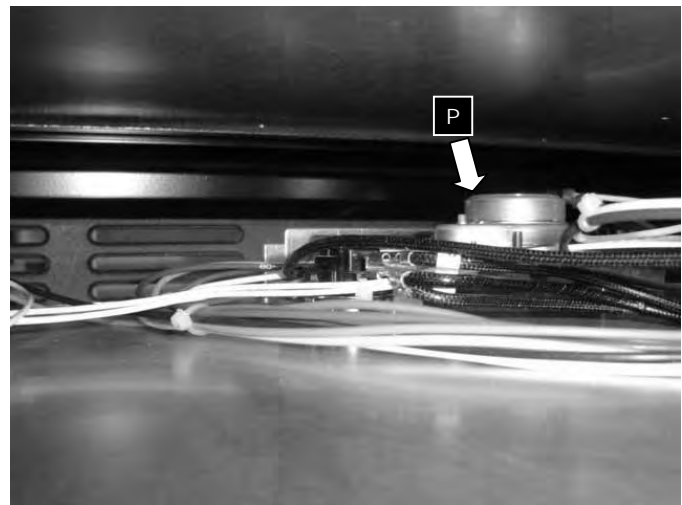


NOTE: To remove the door latch on a *single oven* or the upper chamber of a double oven, see page 8-31.

- After removing the oven's back cover, remove the lower cooling fan assembly (see page 8-48).
- Remove the two (2) screws that hold the lower door latch in place. The screws are located just above the lower oven chamber on either side of the door latch slot.
- From the back side of the oven, use the wiring harness attached to the door latch **P** to pull it out of the back of the oven.
- Label and disconnect the wires from the door latch. Connect the wiring harness to the replacement door latch.
- When reinstalling the door latch:
 - ♦ Push the door latch into position through the back of the oven using the wiring harness to maneuver it into place. Line the screw holes up with the mounting holes on the front of the oven above the lower oven chamber.
 - ♦ Replace the two (2) screws that hold the door latch in place.
 - ♦ Reinstall the lower cooling fan.
- Replace the back cover.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).



Lower Door Latch Screw Locations




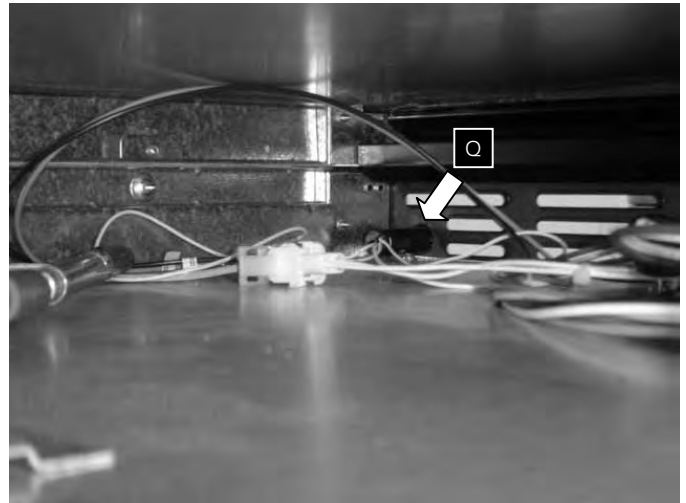
Lower Door Latch Location

Door Switch, Lower, Double Oven



NOTE: To remove the door switch on a *single oven* or the upper chamber of a double oven, see page 8-33.

- After removing the oven's back cover, remove the lower cooling fan assembly (see page 8-48).
- Reaching in through the back of the oven, disconnect the door switch  from the wiring harness.
- Reaching in through the back of the oven, use a screwdriver to break off the plastic tabs that hold the switch in place.
- Push the switch out through the front of the oven.
- Insert the replacement switch, wires first, through the front of the oven. Push in on the switch until it locks firmly into place.
- From the back side of the oven, reconnect the door switch to the wiring harness.
- Reinstall the lower cooling fan.
- Replace the back cover.
- Reinstall the oven door(s) as described on page 8-10.
- Test the oven to ensure that repairs were properly completed.
- Reinstall the oven as shown in the installation section of this manual (see page 3-13).



Lower Door Switch Location

Symptom	Cause or Source	Troubleshooting Checks	Solution	User Actions/ Solutions
No action performed when keys pressed. (cont)	CANCEL/SECURE key failure (See C02 TOUCH PANEL error code). Cancel redundancy: indicates that one of the cancel key input lines has opened or shorted.	Cycle power for reset.	Replace glass/touch panel assembly.	1) Turn breaker off then on to see if reset of oven resolves issue otherwise, 2) call for service.
	Bad touch panel board.	Replace logic board, check to see if issue is resolved.	Replace glass/touch panel assembly.	Call for service.
Display not visible. The LCD display is dark but the keys are lit.	Controller is in "sleep" mode.	Press any key on control panel or open door to wake.	Press any key on control panel or open door to wake.	Press any key on control panel or open door to wake.
	Controller custom color is set to "0" Red, "0" Blue, "0" Green.	Increase setting of one or more colors above "0".	Increase setting of one or more colors above "0".	Increase setting of one or more colors above "0".
	Software compatibility issues.	Check software versions for compatibility.	Replace logic board.	Call for service.
Keys not lit.	Missing jumper on J3 of logic board.	If connector is present on J3 verify that a jumper is present on pins 2 and 12.	Replace jumper on pins 2 and 12 of J3 on logic board.	Call for service.
	LCD is bad.	Replace LCD to verify that old one was bad.	Replace LCD.	Call for service.
	Controller is in "sleep" mode.	Press any key on control panel or open door to wake.	Press any key on control panel or open door to wake.	Press any key on control panel or open door to wake.
Two tone coloration of LCD.	LED board bad. See C78 LIGHT error code.	If LED board replacement did not resolve issue then replace logic board.	Replace LED board.	Call for service.
	Some LEDs bad.	Visual check of LCD display will show one half of the screen to be a different color than the other.	Replace LED board.	Functions still available. Call for service to replace.
Oven will not heat.	Oven set for delay timed cooking.	Oven will turn on automatically at preset time. Press CANCEL/SECURE to return to normal operation.	Oven will turn on automatically at preset time. Press CANCEL/SECURE to return to normal operation.	Oven will turn on automatically at preset time. Press CANCEL/SECURE to return to normal operation.

Appendix A – Physical Symptom Troubleshooting Guide

Symptom	Cause or Source	Troubleshooting Checks	Solution	User Actions/ Solutions	
Oven will not heat. (cont)	Relay board switch in wrong position?	Check to see that the switches are in the correct position for each relay board.	Set switches correctly.	Call for service.	
	Software incompatible.	Check for software compatibility.	Replace relay board or logic board as needed.	Call for service.	
	Open heating element.	Check elements at connection to relay boards (J1, J13, J14). Then check elements at harness connection point.	Replace elements or if needed replace harness.	Call for service.	
	Double line break is open.	Check double line break connection on S19	Replace relay board.	Call for service.	
	If START is not pressed oven will not begin cooking mode.	Check oven mode setting and press START.	Check oven mode setting and press START.	Check oven mode setting and press START.	
	Broil elements and convection fan will turn off if oven door is open.	Verify door is closed.	Verify door is closed.	Verify door is closed.	
	Wrong oven is selected.	Verify proper oven selection for expected cell heating.	Verify proper oven selection for expected cell heating.	On double oven, verify correct oven is selected.	
	Some modes such as PROOF have low temperature settings (100 F).	Check mode setting.	Check mode setting.	Check mode setting.	
	Many errors will prevent oven operation for safety purposes. See error code trouble shooting guide.	Check display for error codes.	Check display for error codes.	Service and clear error codes.	Check display for error codes and call for service.
	High limit switch has tripped.	Manually turn on element and check for relay closure then check for current draw and element heat.	Replace high limit switch.	Call for service.	

Symptom	Cause or Source	Troubleshooting Checks	Solution	User Actions/ Solutions
Oven will not heat. (cont)	Door switch is operating incorrectly and oven is in BROIL mode.	Check oven by simulating door closed by placing a magnet against the door switch on the oven frame below the bumper on the right side of the oven frame.	If BROIL element does not turn on, replace switch in oven frame only.	Call for service.
	Time of day not set.	Set clock.	Set clock.	See set clock in use and care manual.
No time is displayed or the time is incorrect.	Oven's sleep feature is on.	Press any key on control panel or open door to cause the display to light up.	Press any key on control panel or open door to cause the display to light up.	Press any key on control panel or open door to cause the display to light up.
	Clock disabled.	See restoring clock.	See restoring clock.	See restoring clock.
	Door not shut tight ("close oven door" message displayed).	Check for obstructions. Close door tightly.	Check for obstructions. Close door tightly.	Check for obstructions. Close door tightly.
	Error code displayed.	Correct source of error and clear error codes.	Correct source of error and clear error codes.	Check for error codes and call for service.
Oven does not self-clean.	Oven set for delay timed cleaning.	Oven will start to self-clean at preset time. Press CANCEL/SECURE to return to normal operation.	Oven will start to self-clean at preset time. Press CANCEL/SECURE to return to normal operation.	Oven will start to self-clean at preset time. Press CANCEL/SECURE to return to normal operation.
	Double ovens only: Other oven is on.	Turn off other oven.	Turn off other oven.	Turn off other oven.
	Oven light disabled	See enable light section.	See enable light section.	See enable light section.
	Oven is in the SELF CLEAN cycle.	Wait for completion of self-clean cycle.	Wait for completion of self-clean cycle.	Wait for completion of self-clean cycle.
Oven lights will not work.	Ovens SABBATH feature is enabled.	Press CANCEL/SECURE.	Press CANCEL/SECURE.	Press CANCEL/SECURE.
	Light bulb(s) burned out.	Replace light bulb(s).	Replace Light bulb(s).	Replace light bulb(s).

Appendix A – Physical Symptom Troubleshooting Guide

Symptom	Cause or Source	Troubleshooting Checks	Solution	User Actions/ Solutions
Door will not open. Logic board resetting.	Oven is in SELF CLEAN or self-clean cycle has ended and oven is cooling.	<p>Check display.</p> <p>1) If display indicates SELF CLEAN, wait for display to indicate Door Unlocked to open door.</p> <p>2) Check display for DOOR LOCKED OVEN COOLING.</p>	<p>Check display.</p> <p>1) If display indicates SELF CLEAN, wait for display to indicate Door Unlocked to open door.</p> <p>2) Check display for DOOR LOCKED OVEN COOLING.</p>	<p>Check display.</p> <p>1) If display indicates SELF CLEAN, wait for display to indicate Door Unlocked to open door.</p> <p>2) Check display for DOOR LOCKED OVEN COOLING.</p>
	Latch motor failure.	<p>Check for power to motor (J17) and check for jammed latch hook.</p>	<p>1) "Tweak" latch hook</p> <p>2) Replace latch motor mechanism.</p>	Call for service.
	Latch motor switches failure.	<p>Check signals at connections (J18) and in service screens.</p>	Replace latch motor mechanism.	Call for service.
	J2 connector lines reversed.	<p>Verify J2P to J2L for logic board and J2P to J4 for relay board are proper and solidly connected.</p>	<p>Check J2 connector and make sure the lines are not reversed.</p>	
	J3 connector on logic board shorting to chassis.	<p>Check to see if J3 is touching chassis.</p>	<p>Adjust controller or pins to prevent touching and/or put a boot over the connector.</p>	
	Communication loss (relay board does not see logic board). See C72 COMM ERROR. Loose or improper connection between logic and relay boards.	<p>Verify communication line connections (J7-J23, J80J23) between relay and logic boards are solidly connected.</p>	<p>Connect cables properly.</p>	Call for service.
	Bad logic board.	<p>If continuous resets/reboots are occurring, replace logic board.</p>	Replace logic board.	
	Bad relay board.	<p>If error code is cleared and returns and connections are good then replace relay board(s).</p>	Replace relay board.	
	Relay board switch in wrong position.	<p>Check the relay boards for correct switch settings.</p>	Set switches correctly.	

Symptom	Cause or Source	Troubleshooting Checks	Solution	User Actions/ Solutions
Power supply ticking.	J2 connector lines are reversed.	Verify J2P to J2L for logic board and J2P to J4 for relay board are proper and solidly connected.	Wire correctly and set connections solidly.	Call for service.
	Wrong element wiring.	Check wiring against wiring diagram.	Re-wire properly.	Call for service.
Elements have bad cycling pattern.	Wrong program version.	Check software versions for compatibility.	Replace relay board.	Call for service.
	Fan high and low speed connections are reverse wired.	Check fan wiring.	Wire fans properly.	Call for service.
Cooling fan running at wrong speed.	Wrong software.	Check software compatibility and check timing charts	Replace relay boards for proper software.	Call for service.
	Communication loss (relay board does not see logic board). See C72 COMM ERROR. Loose or improper connection between logic and relay boards.	Verify communication line connections (J7-J23, J8-J23) between relay and logic boards are solidly connected.	Connect cables properly.	
Cooling fan will not turn off.	Bad logic board.	If continuous resets/reboots are occurring, replace logic board.	Replace logic board.	Call for service.
	Bad relay board.	If error code is cleared and returns and connections are good then replace relay board(s).	Replace relay board.	
Outer Door Glass Broken.	Shipping damage.	Check packaging condition.	Replace door glass assembly.	Call for service.
	Shipping damage.	Check packaging condition.	Replace window pack.	Call for service.
Inner Door Glass Broken.	Cold item placed on hot glass.	Question for incident details.	Replace window pack.	Call for service.
	Item dropped on window pack.	Question for incident details.	Replace window pack.	Call for service.

Appendix A – Physical Symptom Troubleshooting Guide

Symptom	Cause or Source	Troubleshooting Checks	Solution	User Actions/ Solutions	
Food is burnt or oven bakes uneven.	Food placed in oven during pre-heat.	Check time food is inserted into oven.	Educate customer to not put food into oven during preheat except for PURE CONVECTION SEAR.	Verify food is not in oven during Pre-heat except for PURE CONVECTION SEAR.	
	Use of BROIL mode.	Check cooking mode.	Educate customer to verify cooking mode.	Verify cooking mode by reading the cooking mode line (middle left or middle right).	
	Some food types are not compatible with certain high heat elements.	Check HELP screen for elements used during cooking.	Check HELP screen for elements used during cooking.	Check HELP screen for elements used during cooking.	
	Food may be too close to the heating elements.	Check rack position. Change rack position if too close. DACOR GUIDE HELP screens and use and care manual will provide tips on best rack positions to use.	Educate the customer on rack positions and use of manuals and help screens as well as DACOR GUIDE.	DACOR GUIDE HELP screens and use and care manual will provide tips on best rack positions to use.	
	Temperature setting too high for recipe or quantity of food.	Check temperature setting. Verify temperature setting against recipe.	Educate customer on setting temperature and verifying it on the screen.	Check temperature setting. Verify temperature setting against recipe.	
	Wrong element cycling.	Check power cycling chart and software version for compatibility.	Replace relay or logic boards for proper software versions.	Call for service.	
	Stuck element (on).	1) Verify that element turns off during heating and maintenance per power cycling chart. 2) Check for shorted condition at the element connectors (J1, J13, J14, on relay board) on wiring and on board side.	Replace bad element (shorted element but not blown), bad element wiring or relay board (relay stuck closed).	Call for service.	
	Clock or timer does not advance.	Logic board/software malfunction.	1) Watch clock or timer against a stopwatch. 2) Make sure START is pressed when using TIMER.	Replace logic board.	Make sure START is pressed when using TIMER. Call for service.

Symptom	Cause or Source	Troubleshooting Checks	Solution	User Actions/ Solutions	
Latch not locking.	Latch not moving, no power. See U/L 55 LATCH/DOOR error code.	1) Check latch power wiring at J20 on relay board. 2) If no power at connector check for system power to relay board from line 1.	Secure connections properly. If power supplied then replace latch motor mechanism. If no power supplied then replace relay board.	Call for service.	
	Latch not moving or jammed.	Check latch mechanism for power supplied and freedom of motion.	Remove jammed condition (possible "tweak" of latch hook needed).	Call for service.	
	Door not closed or shut tight.	Verify that door is closed properly.	Close door properly.	Close door properly.	
	U50 LATCH/DOOR (upper/single)/L50 LATCH/DOOR (lower) - Lock switch is bad.	Check the signal for open and closed state through activation at J18 pins 7, 9, and 10 on relay board.	Replace latch motor mechanism.	Make sure door is closed properly. Call for service.	
	U52 LATCH/DOOR (upper/single)/L52 LATCH/DOOR (lower).	Check switch states at J18 on relay board.	Replace latch motor mechanism and then relay board.	Call for service.	
	U53 LATCH/DOOR (upper/single)/L53 LATCH/DOOR (lower).	Verify switch state changes properly in service screens.	Replace door switch.	Call for service.	
	U54 LATCH/DOOR (upper/single)/L54 LATCH/DOOR (lower).	N/A	Replace relay board.	Call for service.	
	Latch to door alignment off.	Check door installation and latch.	Replace latch, or door to ensure alignment and latching.	Verify that door is closed properly and then call for service.	
	Oven control running self-clean but elements don't heat at higher temps. Then drop down and begin heating again.	Bad high limit switch.	Check high limit switch for open line.	Replace high limit switch.	Call for service.

Appendix A – Physical Symptom Troubleshooting Guide

Symptom	Cause or Source	Troubleshooting Checks	Solution	User Actions/ Solutions
Oven temperatures are off or out of calibration.	RTD deteriorated but not open or short.	Check for good values in A/D screen for room temperature and move up when heat source applied. Hold fingers or other heat source on probe one and watch the A/D value change (in the inputs screen in SERVICE DIAGNOSTICS) for probe one.	Replace RTD or enter offset in SERVICE TEMP under DIAGNOSTICS.	Call for service. Use higher or lower temperatures until serviced.
	RTD #1 and #3 cross-wired.		Switch the wire connections in the back of the oven between probes one and three.	
Meat probe in place but not registering.	Software calibration values missing/wrong or incompatible software versions.	Check software versions for compatibility.	Replace logic board.	Use without meat probe settings. Call for service.
	Wrong identification of oven configuration (27" versus 30", double versus single). See C76 or C77 CONFIG ERROR error codes.	Visual check against what is listed in the VERSION screen for logic board.	Replace the glass/touch panel assembly.	
	Altitude or environment affecting oven.	Verify temperatures with thermocouple at center of oven. Averaged values should be within +/- 10 °F of target.	Enter offset in SERVICE TEMP under DIAGNOSTICS.	
	Bad meat probe.	1) Check A/D screen for valid readings while at room temperature and while holding in hand. 2) Check J20 on relay board for open/short state.	Replace meat probe.	
	Open meat probe socket.	1) Check A/D screen for valid readings while at room temperature and while holding in hand. 2) Check J20 on relay board for open/short state.	Replace meat probe socket.	

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
U20 OVER TEMP (upper) L20 OVER TEMP (lower)	Cook Ver. temperature: Center of cell temperature over 610°F for 2 minutes.	One or more temperature probes are out of tolerance.	1) Verify probe readings. 2) Verify cycling/timing charts. 3) Verify calibration values to software version.	Yes	2 minutes of center of oven cavity temperatures above the maximum bounds. Door locks and unlocks when the cavity temperature reaches 375°F.	Cooking is available after situational temperatures recover. Cleaning is not available until error code cleared.	Call for service.
		Calibration of oven/mode has shifted.	Run mode with thermocouple in center of oven cell and watch that the values are averaging +/- 10°F of target.	Put an appropriate offset into SERVICE TEMP in the SERVICE DIAGNOSTICS area.			
		Heating elements "stuck" on.	Run a cooking mode. After preheat the elements should cycle.	Replace relay board.			
		Software versions not compatible.	Verify that the software in all the micros is compatible.	Replace appropriate board for upgraded software.			

Appendix B – Error Code Troubleshooting Guide

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
U21 OVER TEMP (upper/single) L21 OVER TEMP (lower)	Clean over temperature: Cell center temperature goes over 890°F during self-clean.	Relays "stuck" keeping the elements on.	<ol style="list-style-type: none"> 1) Verify probe readings. 2) Verify cycling/timing charts. 3) Verify calibration values to software version. 	Replace relay board.	<p>2 minutes of center of oven cavity temperatures above the maximum bounds. Door locks upon entering self-clean and unlocks when the cavity temperature drops below 375°F.</p>	Cooking is available, self-clean is NOT available.	Call for service.
U22 OVER TEMP (upper/single) L22 OVER TEMP (lower)	Temp amplifier failure: Probe 1 and probe 2 cannot be more than 50°F apart when the oven is between 75°F and 100°F on the rise during a cooking/cleaning operation.	One of the probes is out of calibration or bad without being open or shorted.	<ol style="list-style-type: none"> 1) Verify that the probe cables are connected properly. 2) Verify temperature probes are reading correctly using A/D screen in SERVICE DIAGNOSTICS. 	Replace temperature probe.	<p>Between the center of oven temp of 75 - 100°F, both probe 1 and probe 2 must be within 50°F of each other.</p> <p>Between the center of oven cavity temp of 520°F and 600°F, both probe 1 cook and clean amplifiers and probe 2 cook and clean amplifiers must be within 50°F of each other.</p>	Cooking is available, self-clean is NOT available until cleared.	Call for service.

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
U23 OVER TEMP (upper/single) L23 OVER TEMP (lower)	Ambient over temperature: Thermistor on relay board has registered over 80°F.	Ambient conditions extreme (high temp/high humidity). Blocked airflow.	Question what conditions were at time of error. Verify that the exhaust area and the inlet at the bottom of each door and the intake grill area are free from blockages.	None. This is an unlikely condition. If persistent then replace relay board. Clear blockages.	Ambient temperature is above 80°C. Oven shuts down with the cooling fans set to high speed until the ambient temperature falls to 50°C. Five excursions are allowed before a permanent error occurs.	Functionality is returned upon cooling to room temperature unless it happens more than 5 times.	1) Call for customer service line to report occurrence. 2) Let oven return to room temperature. 3) Verify that exhaust area, inlet at bottom of door, and inlet grill on top front of oven is not blocked. 4) Press any key to resume service. 5) If it occurs more than 5 times then the oven will lock out and they must call for service.
U24 OVER TEMP (upper/single) L24 OVER TEMP (lower)	Ambient temperature probe open: An A/D value of 0XF0 or higher is registered.	Bad thermistor on relay board.	Run oven in a normal mode and verify that temperatures are normal. 1) If normal then record issue and clear error. 2) If error remains then replace upper relay board.	Replace relay board.	Open probe detected.	No functions available.	Call for service.

Appendix B – Error Code Troubleshooting Guide

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
U25 OVER TEMP (upper/single) L25 OVER TEMP (lower)	Ambient temperature probe shorted: An A/D value of 0X10 or lower is registered.	Bad thermistor on relay board (stuck closed).	Clear error and check oven by running a basic cooking mode.	Replace upper relay board.	Shorted probe detected.	No functions available.	Call for service.
U30 TEMP SENSOR (upper/single) L30 TEMP SENSOR (lower)	Open probe 1: Probe A/D value of 0X3F0 or higher registered.	Poor connection at either the board or in the harness. Bad probe (stuck open). Bad wire in harness.	1) Verify connections at relay board. 2) Verify probe state at probe connector.	1) Secure connection 2) Replace probe. 3) Replace harness.	Fatal error. 60 seconds of continuous A/D values over maximum bounds. Probe 2 now becomes the primary.	Cooking available with some possible affects on temperature calibration, cleaning not.	Call for service. Can continue to cook but be aware of possible calibration issues on temperatures (may cook a little hotter or cooler than normal).
U31 TEMP SENSOR (upper/single) L31 TEMP SENSOR (lower)	Shorted probe 1: Probe A/D value of 0X0010 or lower registered.	Poor connection at either the board or in the harness. Bad probe (stuck open). Bad wire in harness.	1) Verify connections at relay board. 2) Verify probe state at probe connector.	1) Secure connection 2) Replace probe. 3) Replace harness.	Fatal error. 60 seconds of continuous A/D values over minimum bounds. Probe 2 is the primary probe.	Cooking available with some possible affects on temperature calibration, cleaning not.	Call for service. Can continue to cook but be aware of possible calibration issues on temperatures (may cook a little hotter or cooler than normal).
U32 TEMP SENSOR (upper/single) L32 TEMP SENSOR (lower)	Open probe 2: Probe A/D value of 0X3F0 or higher registered.	Poor connection at either the board or in the harness. Bad probe (stuck open). Bad wire in harness.	1) Verify connections at relay board. 2) Verify probe state at probe connector.	1) Secure connection 2. Replace probe. 3. Replace harness.	Fatal error. 60 seconds of continuous A/D values over maximum bounds. Probe 1 is the primary probe.	Cooking and cleaning available with some possible affects on temperature.	Call for service. Can continue to cook and self-clean, but be aware of possible calibration issues on temperatures (may cook a little hotter or cooler than normal).

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/Reset-ability	User Actions/ Solutions
U33 TEMP SENSOR (upper/single) L33 TEMP SENSOR (lower)	Shorted probe 2: Probe A/D value of 0X0010 or lower registered.	Poor connection at either the board or in the harness. Bad probe (stuck open). Bad wire in harness.	1) Verify connections at relay board. 2) Verify probe state at probe connector.	1) Secure connection 2) Replace probe. 3) Replace harness.	Fatal error. 60 seconds of continuous A/D values over minimum bounds. Probe 1 is the primary probe.	Cooking and cleaning available with some possible affects on temperature.	Call for service. Can continue to cook and self-clean, but be aware of possible calibration issues on temperatures (may cook a little hotter or cooler than normal).
U34 TEMP SENSOR (upper/single) L34 TEMP SENSOR (lower)	Open probe 3: Probe A/D value of 0X3F0 or higher registered.	Poor connection at either the board or in the harness. Bad probe (stuck open). Bad wire in harness.	1) Verify connections at relay board. 2) Verify probe state at probe connector.	1) Secure connection 2) Replace probe. 3) Replace harness.	Fatal Error. 60 seconds of continuous A/D values over maximum bounds. Probe 1 is the primary probe.	Cooking and cleaning available with some possible affects on temperature.	Call for service. Can continue to cook and self-clean, but be aware of possible calibration issues on temperatures (may cook a little hotter or cooler than normal).
U35 TEMP SENSOR (upper/single) L35 TEMP SENSOR (lower)	Shorted probe 3: Probe A/D value of 0X0010 or lower registered.	Poor connection at either the board or in the harness. Bad probe (stuck open). Bad wire in harness.	1) Verify connections at relay board. 2) Verify probe state at probe connector.	1) Secure connection 2) Replace probe. 3) Replace harness.	Fatal error. 60 seconds of continuous A/D values over minimum bounds. Probe 1 is the primary probe.	Cooking and cleaning available with some possible affects on temperature.	Call for service. Can continue to cook and self-clean, but be aware of possible calibration issues on temperatures (may cook a little hotter or cooler than normal).

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Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
N/A - SOFTWARE ONLY	All probes fail.	Poor connection at relay board J19.	1) Verify connections at relay board. 2) Verify probe state at probe connector.	1) Secure connection. 2) Replace harness.	All probes show an error condition.	No functions available.	Call for service.
		Bad relay board.	1) Verify connections at relay board. 2) Verify probe state at probe connector.	Replace relay board.			
		All probes have failed.	1) Verify connections at relay board. 2) Verify probe state at probe connector.	Replace probes.			
U40 RELAY BOARD (upper/single)	Wiggler failure: A comparator circuit to verify command states between logic and relay boards has failed.	Bad relay board.	Check communication lines make sure all contacts are touching and plugged in correctly.	Replace relay board.	Fatal error after 60 seconds. Wiggler is not in the proper state.	No functions available.	Call for service.
U41 RELAY BOARD (upper/single)	A/D error: A watchdog circuit on the relay board has failed.	Bad relay board.	N/A	Replace relay board.	An A/D conversion should not take more than 2.5MS.	No functions available.	Call for service.
L41 RELAY BOARD (lower)							

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/Reset-ability	User Actions/Solutions
U42 RELAY BOARD (upper/single) L42 RELAY BOARD (lower)	E2 checksum failure on upper board.	Bad relay board.	N/A	Replace relay board.	Calculated E2 checksum does not agree with the stored E2 checksum. On power up, the control recalculates the checksum 5 times before defaulting to a fatal error. Checksum constantly monitored if power up checksum test is passed.	No functions available.	Call for service.
U43 RELAY BOARD (upper/single) L43 RELAY BOARD (lower)	No ZC seen on relay board.	Bad connection on S19 relay or bad relay board.	Verify that the connections are proper on S19 (double line break relay).	Secure connections at S19 and then replace relay board.	Loss of ZC on upper board. This error is reversible.	No functions available.	Call for service.

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Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/Reset-ability	User Actions/ Solutions
U50 LATCH/DOOR (upper/single)	Latch lock failure: 80 seconds of after a lock command is sent and no closure of the lock switch is detected.	Door not closed properly or alignment off to not activate lock switch when closed.	1) Verify door is closed properly. 2) Check switch states in service screens (door and lock).	Try to fix alignment / door closure issue.	Fatal error after 80 seconds. The door lock switch is not detected for 80 seconds while locking the door.	Cooking available. Cleaning NOT available.	Make sure door is closed properly. Call for service.
L50 LATCH/DOOR (lower)		Motor is not powered or is jammed.	Check motor actuation using service screens.	Remove jam condition (may need to "tweak" latch hook) and then replace latch motor mechanism.			
		Lock switch is bad.	Check the signal for open and closed state through activation at J18 pins 7, 9, and 10 on relay board.	Replace latch motor mechanism.			

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/Reset-ability	User Actions/ Solutions
U51 LATCH/DOOR (upper/single) L51 LATCH/DOOR (lower)	Latch phase failure: 80 seconds after an unlock command is sent the phase switch does not close.	Door not closed properly or alignment off, does not activate lock switch when closed.	1) Verify door is closed properly. 2) Check switch states in service screens (door and lock).	Try to fix alignment / door closure issue.	Fatal error after 80 seconds. The door unlock (Phase switch) is not detected for 80 seconds while un-locking the door.	Cooking available. Cleaning NOT available.	Make sure door is closed properly. Call for service.
		Motor is not powered or is jammed.	Check motor actuation using service screens.	Remove jam condition (may need to "tweak" latch hook) and then replace latch motor mechanism.			
		Phase switch is bad.	Check the signal for open and closed state through activation at J18 pins 1, 2, and 3 on relay board.	Replace latch motor mechanism.			
U52 LATCH/DOOR (upper/single) L52 LATCH/DOOR (lower)	Redundant switch failure: A double check on the state of the switches shows incompatible states.	Bad switches or possible bad relay board.	Check switch states at J18 on relay board.	Replace latch motor mechanism and then relay board.	Fatal error after 80 seconds. Cam switch N.O and cam switch N.C. are not complementary. Latch switch N.O and latch switch N.C. are not complementary.	Cooking available. Cleaning NOT available.	Call for service.

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Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
U53 LATCH/DOOR (upper/single) L53 LATCH/DOOR (lower)	Door switch latching failure: The door switch is opened when the lock switch is closed.	Door not closed properly when locked (possible tampering or bypassing by a magnet or holding the switch hook during locking). Bad door switch.	Verify switch state changes properly in service screens.	Replace Door switch.	The oven door opens during the locking of the door. Door lock returns to an unlocked state. The error is reset when the oven door is closed.	Cooking available. Cleaning NOT available.	Call for service.
U54 LATCH/DOOR (upper/single) L54 LATCH/DOOR (lower)	Lock enable failure: Enable is active below 440°F or not active above 650°F.	Bad relay board.	N/A	Replace relay board.	The lock enable output remains enabled when probe 1 temperatures fall below 440°F or does not disable the door lock circuitry when probe 1 temperatures exceed 650°F.	Cooking available. Cleaning NOT available.	Call for service.
U55 LATCH/DOOR (upper/single) L55 LATCH/DOOR (lower)	Latch motor failure: Power to motor is not present or too low for operation.	Bad motor or bad relay board.	Check power out put on J17 pins 2 and 4.	Replace latch motor mechanism or relay board.	Door motor output is shorted to 5 volts. The control counts four revolutions before indicating a door motor failure.	No functions available.	Call for service.

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
U60 COOLING FAN (upper/single) L60 COOLING FAN (lower)	Cooling fan failure: Low speed has either exceeded 750 or is below 50 pulses per second.	Blocked airflow. Damaged or detached blades. Bad hall effect sensor. Bad relay board.	Check fan speed and operations in service screens. Check fan speed and operations in service screens. If fan operates normal but readings are bad. If fan operates normal but readings are bad and there is a proper signal on J21.	1) If operational, and high speed or between 1 and 50, clear any blockages in airflow paths. 2) If extremely high and no blockages, and no air movement, verify fan blades are attached and undamaged. Replace fan. Replace fan (which will replace HES). Replace relay board.	Cooling fan tachometer (Hall Effect Sensor) indicates an error by registering values above 750 or below 50 pulses per second.	No functions available.	Call for service.

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Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
U61 COOLING FAN (upper/single) L61 COOLING FAN (lower)	Cooling fan failure: High speed has either exceeded 750 or is below 400 pulses per second.	Blocked airflow. Damaged or detached blades.	Check fan speed and operations in service screens. Check fan speed and operations in service screens.	If operational, and high speed or between 1 and 50, clear any blockages in airflow paths. 1) If extremely high and no blockages, and no air movement, verify fan blades are attached and undamaged. 2) Replace fan.	Cooling fan tachometer (hall effect sensor) indicates an error by registering values above 750 or below 400 pulses per second.	No functions available.	Call for service.
U70 COMM ERROR (upper/single) L70 COMM ERROR (lower)	Loss of upper power board communication.	Loose or improper connection between logic and relay boards, or bad relay board.	Verify communication line connections (J7-J23, J80J23) and logic boards are solidly connected.	Replace fan (which will replace HES). Replace relay board.	Logic board detects a loss of one or more power boards.	No functions available.	Call for service.

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
C72 COMM ERROR	TWI (Communication) Error: No communication between logic and relay boards for at least 6 seconds. Both boards will continue to attempt communication. Logic board will look for relay and relay will keep sending reset commands.	Loose or improper connection between logic and relay boards.	Verify communication line connections (J7-J23, J8-J23) between relay and logic boards are solidly connected. If continuous resets/reboots are occurring, replace logic board.	Connect cables properly. Replace logic board.	Fatal error after 60 seconds Power board will reset the logic board every 5 - 10 seconds for 60 seconds. The logic board will continue to talk to the power board(s) until communication is re-established. Cooling fan will be turned on at high speed. This error is reversible.	No functions available until communication is re-established. Upon new communication a reboot will occur and the system will be functional again.	1) If error code is present but oven is functional then make a customer service call to report incident and continue using oven. 2) If continuous resets/reboots are occurring, call for service.
		Bad logic board.	replace logic board.	Replace relay board.			
		Bad relay board.	If error code is cleared and returns and connections are good then replace relay board/s.	Replace relay board.			

Appendix B – Error Code Troubleshooting Guide

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/ Reset-ability	User Actions/ Solutions
C73 COMM ERROR	Two possible failures: 1) Only one power board is detected on a double oven or no power boards detected on a single. 2) Two uppers or two lower boards are connected to one logic board.	Communication cables (J7-J23, J8-J23) have been switched or not connected. Upper/lower switches are in wrong state. Bad relay board or software compatibility issue. Bad logic board or software compatibility issue.	Verify communication line connections and board ID switch settings. 1) Verify software compatibility then replace relay board. 2) Verify software compatibility then replace relay board.	Correct wiring and switch state issues, then if needed replace relay board, and lastly replace logic board.	The logic board must detect in the first 5 seconds after power restoration whether this condition exists. This error is reversible.	No functions available.	Call for service.
C74 COMM ERROR	E2 checksum Failure on logic board	Error in reading or writing data, or bad EEPROM.	Set new settings and save a new SAVED GUIDE recipe. Then try to recall recipe and revisit settings.	If re-entering allowed proper operation then let it continue. If this did not work or this is a repeat call, replace logic board.	User saved data, service, factory, and preheat offsets are lost and defaults are restored. An error indication is displayed but a key press will cancel the error.	Cooking and cleaning are available but any custom settings or saved files may be lost and have been set to factory default.	Call customer service to report incident, then press key to continue usage. Attempt to set new values for user data (ADDITIONAL SETTINGS, SAVED GUIDE, etc.). If issues continues to occur call for service.
C75 COMM ERROR	Redundant strobes on logic board are not the same.	Replace Controller.	N/A	Yes	The redundant strobes to the CANCELALL keys are at different states.	No	Call for service.

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/Reset-ability	User Actions/Solutions
C76 CONFIG	Incorrect oven type: Single/Double.	Wrong or unrecognized diode configuration.	N/A	Replace glass/touchpad assembly.	Displays error after 3 seconds of sensing an incorrect diode configuration. This error is reversible.	No functions available.	Call for service.
C77 CONFIG	Incorrect oven style: 27/30.	Wrong or unrecognized diode configuration.	N/A	Replace glass/touchpad assembly.	Displays error after 3 seconds of sensing an incorrect diode configuration. This error is reversible.	No functions available.	Call for service.
C78 LIGHT	Display voltage has dropped below 15V.	Bad LED board.	1) Replace LED board.	1) Replace LED board.	Displays error after 3 seconds of incorrect voltage detection. This error is reversible.	No functions available.	Call for service.
		Bad logic board.	2) If LED board replacement did not resolve issue then replace logic board.	2) Replace logic board.			

Appendix B – Error Code Troubleshooting Guide

Displayed Error Message	Description/ Failure Criteria	Sources	Checks	Solution	Software Logic Description (Schott)	Function Availability/Reset-ability	User Actions/ Solutions
U80 MEAT PROBE (upper/single) L80 MEAT PROBE (lower)	Shorted meat probe: An A/D value above 0XFO is registered.	Food, moisture, or other substance is in the socket or on the oven connection end of the meat probe. Bad meat probe (shorted).	Verify proper operation with new probe (replace probe). If fail with new probe check wiring of housing to eliminate shorting to sheet metal. Use new meat probe to test for correct values in the service screens.	Clean socket and meat probe. Replace meat probe.	60 seconds of continuous A/D values over the maximum bounds. Meat probe is disabled.	Cooking and cleaning are available but meat probe options will not be available.	1) Verify oven connection end of meat probe is clean and no food, moisture or other substance in is the meat probe socket. 2) Call for service.
C90 POWER LOSS	Power restored.	Shorted socket or wiring. Power interruption.	Test socket at connector J20 on relay board. N/A	Replace meat probe socket. Continue.	Power is interrupted and restored.	Cooking and cleaning available.	Press any key on the control panel to clear and run normally.

POWER CYCLING CHART											U10: 1001 U10: EE AB	U7: 1001 U7: EE 49	
Software Versions Logic Version: 1.0.0.3-D 30											DOUBLE LINE BREAK RELAY * * *	HIGH LIMIT CUTOUT SWITCH#	LOCK MOTOR##
COMPONENTS	BROIL OUTER ELEMENT	BROIL INNER ELEMENT	BAKE OUTER ELEMENT	BAKE INNER ELEMENT	CONVECTION ELEMENT	CONVECTION FAN	COOLING FAN *						
MODES:	Period= 30sec CYCLES												
PREHEAT		ON	ON	ON		HI	TEMP DEPENDENT	ACTIVE		CLOSED			
BAKE	OFF 20sec ON 10sec		ON 20sec OFF 10sec	OFF 25sec ON 5sec			TEMP DEPENDENT	ACTIVE		CLOSED			
PREHEAT				ON	ON	HI							
PCONV BAKE					ON	LO	TEMP DEPENDENT	ACTIVE		CLOSED			
PREHEAT	ON		ON	ON		HI							
SURR BAKE	OFF 15sec ON 15sec		ON 20sec OFF 10sec				TEMP DEPENDENT	ACTIVE		CLOSED			
PREHEAT	ON		ON	ON		HI							
CONV BAKE	OFF 20sec ON 10sec		ON 20sec OFF 10sec	OFF 25sec ON 5sec		LO	TEMP DEPENDENT	ACTIVE		CLOSED			
PREHEAT	ON		ON	ON		HI							
SCONV BAKE	OFF 15sec ON 15sec		ON 20sec OFF 10sec			LO	TEMP DEPENDENT	ACTIVE		CLOSED			
MAX BROIL	ON	ON					LO	ACTIVE		CLOSED			
BROIL		ON					LO	ACTIVE		CLOSED			
CONV BROIL	ON	ON				LO	LO	ACTIVE		CLOSED			
PREHEAT				ON	ON	HI							
PCONV SEAR		OFF 20sec ON 10sec	OFF 20sec ON 10sec		ON 20sec OFF 10sec	LO	TEMP DEPENDENT	ACTIVE		CLOSED			
PREHEAT				ON	ON	HI							

Appendix C – Voltage Level/Power Cycling Charts

<u>POWER CYCLING CHART</u>										
COMPONENTS	BROIL OUTER ELEMENT	BROIL INNER ELEMENT	BAKE OUTER ELEMENT	BAKE INNER ELEMENT	CONVECTION ELEMENT	CONVECTION FAN	COOLING FAN*	DOUBLE LINE BREAK RELAY * *	HIGH LIMIT CUTOUT SWITCH#	LOCK MOTOR##
MODES: Period = 30sec CYCLES										
PCONV ROAST					ON	LO	TEMP DEPENDENT	ACTIVE	CLOSED	
PREHEAT			OFF 10sec ON 20sec	ON	ON 10sec OFF 20sec	HI				
SURR ROAST		OFF 10sec ON 20sec	ON 20sec OFF 10sec				TEMP DEPENDENT	ACTIVE	CLOSED	
PREHEAT			OFF 10sec ON 20sec	ON	ON 10sec OFF 20sec	HI				
CONV ROAST			ON 20sec OFF 10sec		OFF 10sec ON 20sec	LO	TEMP DEPENDENT	ACTIVE	CLOSED	
PREHEAT			OFF 10sec ON 20sec	ON	ON 10sec OFF 20sec	HI				
SCONV ROAST		OFF 10sec ON 20sec	ON 20sec OFF 10sec			LO	TEMP DEPENDENT	ACTIVE	CLOSED	
DEFROST					ON 15sec OFF 15sec	LO	TEMP DEPENDENT	ACTIVE	CLOSED	
DEHYD FRUIT					ON 15sec OFF 15sec	HI	LO	ACTIVE	CLOSED	
DEHYD VEGGIE					ON 15sec OFF 15sec	HI	LO	ACTIVE	CLOSED	
DEHYD MEAT					ON 15sec OFF 15sec	HI	LO	ACTIVE	CLOSED	
PROOF			ON 5sec OFF 25sec				TEMP DEPENDENT	ACTIVE	CLOSED	
SELF CLEAN	ON		ON	ON			TEMP DEPENDENT	ACTIVE	CLOSED	ACTIVE
HOLD			ON				TEMP DEPENDENT	ACTIVE	CLOSED	