Convection Steam Oven
Service Manual

SERVICE MANUAL INTRODUCTION

This technical service manual information assists with troubleshooting and diagnosing malfunctions, completion of repairs, and return of the product to proper operational condition. Read the complete instructions contained within before initiating any repairs.

This guide is intended for use by Factory Certified Service. Wolf Appliance, Inc. recommends that repairs be performed by Factory Certified Service only.

Warning and Caution product safety labels appear throughout this manual. Product safety labels appear at the beginning of some sections. Follow the instructions in the product safety labels to avoid personal injury and/or product damage. The sample safety labels explain the types of notices that appear in this manual.

⚠ WARNING
States a hazard that may cause serious injury or death if precautions are not followed.

| ⚠ CAUTION |
|---|
| Indicates minor injury or product damage may occur if instructions are not followed. |

IMPORTANT NOTE: Highlights especially important information.

TIP: Indicates additional, useful information.

Information and images contained herein are copyright of Wolf Appliance, Inc. Neither this manual nor any information or images contained herein may be copied or used in whole or in part without the express written consent of Wolf Appliance, Inc. © Wolf Appliance, Inc., all rights reserved.

WOLF PRODUCT RATING PLATE INFORMATION

On the CSO, the rating plate with the serial number is located on the left hand side trim inside the door.

Product Rating Plate
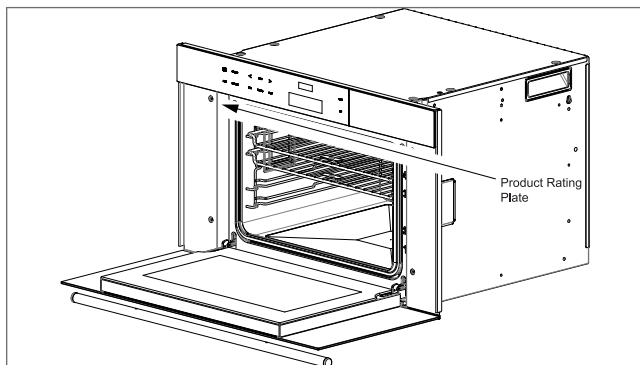
Important information for each product is listed on the product rating plate. Rating plates identify:
- Model
- Serial number
- Electrical information, including current draw

MODEL DESCRIPTIONS AND SALES ACCESSORIES

For more details on individual model descriptions and a listing of all compatible sales accessories, see the *Sub-Zero Distributor Price List*.

CSO MODEL KEY

Description	Model Character
Convection Steam Oven	CSO
Nominal Width	24" and 30"
Trim Style T	Transitional
Trim Style P	Professional
Trim Style C	Contemporary
Matching Oven Trim E	E Series Ovens
Matching Oven Trim M	M Series Ovens
Metal Type	/S for Stainless Steel
Metal Type	/B for Black
Stainless Steel Handle Style	/TH for Tubular Handles
	/PH for Professional Handles
International Designation	ICB

PRODUCT USE AND CARE AND INSTALLATION GUIDES

Product Use and Care Guides, Installation Guides, and other product specifications are available in the *Product Specifications and Manuals Library*.

UNIT WARRANTY

Product warranty is determined by the installation location and the date of installation.

- View product warranties at *http://service.subzero.com/ ClaimsAndOrderProcessing/Pages/WarrantyInfo*.
- Warranties start on the day of product installation.
- Search for warranty and service information by serial number, customer last name, and address using Unit History at *http://service.subzero.com/Tools/UnitHistory*.
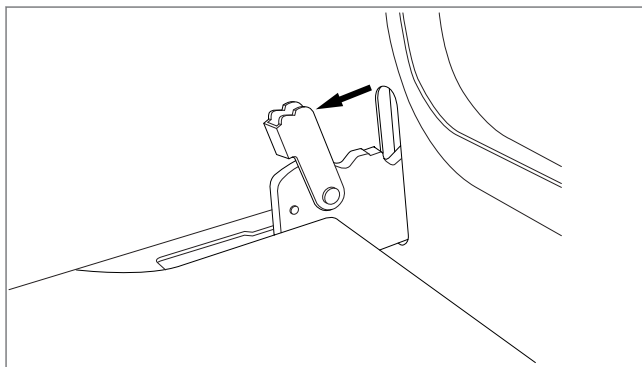
Cavity Component Removal and Installation

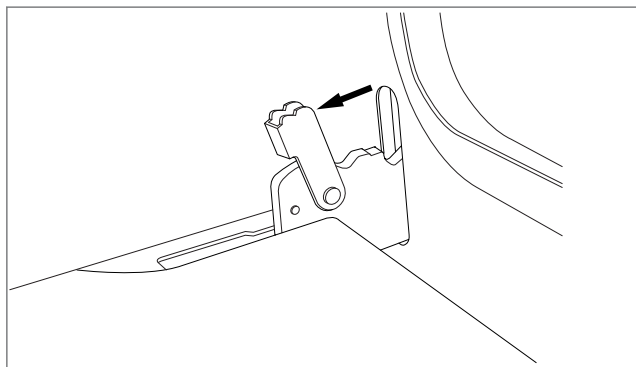CAVITY COMPONENT REMOVAL AND INSTALLATION

DOOR REMOVAL

Remove the Door

1   Open the door.

2   Rotate the hinge retainer clip on each hinge forward until the hinge retainer clip stops.

3   Close the door until the door stops against the hinge retainer clips.

4   Grasp the door toward the top on each side.

5   Push the top of the door toward closing, while rotating the bottom of the door away from the unit.

6   Remove the door from the unit.
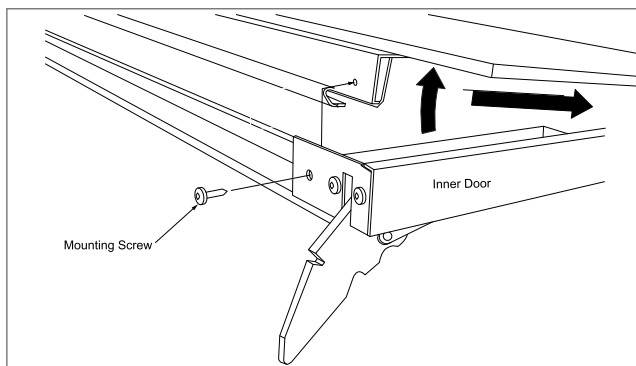

DOOR INSTALLATION

Install the Door

1   Holding the door at a 45° angle, insert the door hinges into the hinge slots.

2   Lower the oven door until the oven door stops.

3   Pull the door to the open position.

4   Rotate the hinge retainer clips on each hinge backward until the hinge retainer clips stop.

5   Test the door.

DOOR FRONT OR INNER DOOR REMOVAL

To remove the door front, first remove the door.

Remove the Door

1   Open the door.

2   Rotate the hinge retainer clip on each hinge forward until the hinge retainer clip stops.

3   Close the door until the door stops against the hinge retainer clips.

4   Grasp the door toward the top on each side.

5   Push the top of the door toward closing, while rotating the bottom of the door away from the unit.

6   Remove the door from the unit.

Remove the Door Front or the Inner Door

1   Place the door on a padded surface, handle side down.

2   Use a T-10 Torx bit to remove the left and right inner door mounting screws.

3   Lift the bottom of the door front.

4   Push the door front toward the top of the inner door.

5   The door front and inner door are separated. Remove the door front or the inner door.

Inner Door

Mounting Screw

Cavity Component Removal and Installation

DOOR FRONT OR INNER DOOR INSTALLATION

Install the Door Front or Inner Door

1   Place the upper and lower gaskets onto the inner door.

2   Place the door front onto the inner door above the inner door bracket.

3   Lift the bottom of the door front above the lower bracket of the inner door.

4   Pull the door front down over the inner door bracket.

5   Use a T-10 Torx bit to install the left and right inner door mounting screws.

Install the Door

1   Holding the door at a 45° angle, insert the door hinges into the hinge slots.

2   Lower the oven door until the oven door stops.

3   Pull the door to the open position.

4   Rotate the hinge retainer clips on each hinge backward until the hinge retainer clips stop.

5   Test the door.
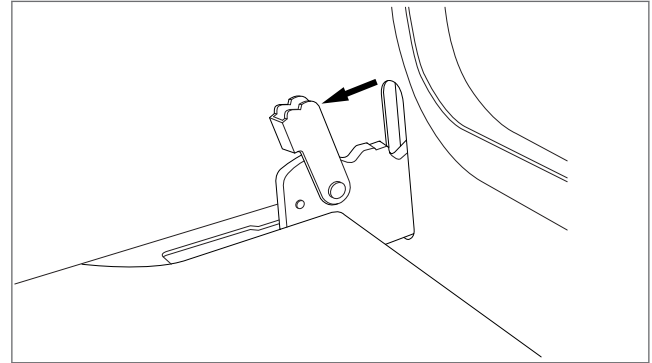
DOOR HANDLE REMOVAL

To remove the door handle, first remove the door, then separate the door front and the inner door.
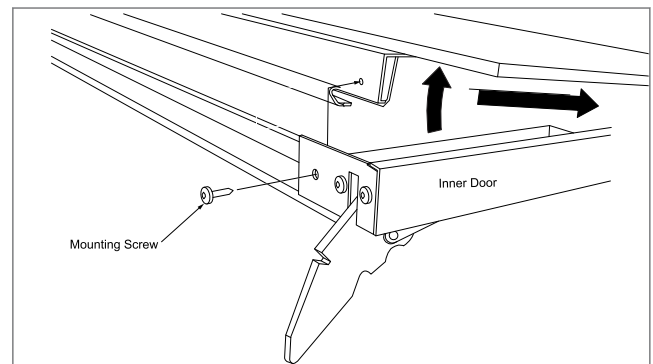
Remove the Door

1   Open the door.

2   Rotate the hinge retainer clip on each hinge forward until the hinge retainer clip stops.

3   Close the door until the door stops against the hinge retainer clips.

4   Grasp the door toward the top on each side.

5   Push the top of the door toward closing, while rotating the bottom of the door away from the unit.

6   Remove the door from the unit.

Remove the Door Front or the Inner Door

1   Place the door on a padded surface, handle side down.

2   Use a T-10 Torx bit to remove the left and right inner door mounting screws.

3   Lift the bottom of the door front.

4   Push the door front toward the top of the inner door.

5   The door front and inner door are separated. Remove the door front or the inner door.
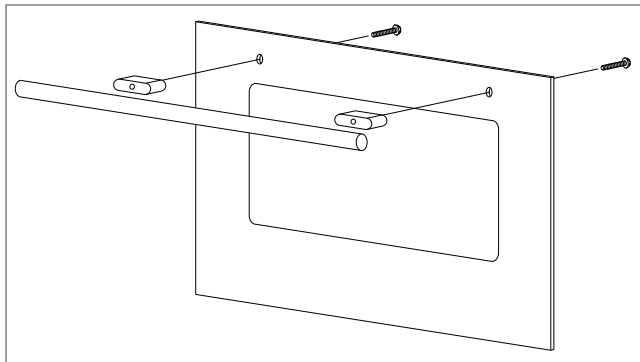

Remove the Door Handle

1   Use a T-25 Torx bit to remove the handle mounting screws.

Cavity Component Removal and Installation

REMOVE THE DOOR HANDLE (continued)

2   Remove the handle and handle standoffs from the door front.

DOOR HANDLE INSTALLATION

Install the Door Handle

1   Place the door handle and handle standoffs onto the door front.

2   Use a T-25 Torx bit to install the handle mounting screws.

Install the Door Front or Inner Door

1   Place the upper and lower gaskets onto the inner door.

2   Place the door front onto the inner door above the inner door bracket.

3   Lift the bottom of the door front above the lower bracket of the inner door.

4   Pull the door front down over the inner door bracket.

5   Use a T-10 Torx bit to install the left and right inner door mounting screws.

Install the Door
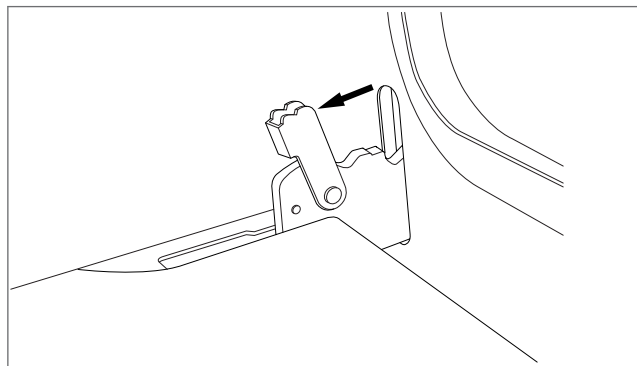
1   Holding the door at a 45° angle, insert the door hinges into the hinge slots.

2   Lower the oven door until the oven door stops.

3   Pull the door to the open position.

4   Rotate the hinge retainer clips on each hinge backward until the hinge retainer clips stop.

5   Test the door.

INTERMEDIATE DOOR GLASS REMOVAL

To remove the intermediate door glass, first remove the door, then separate the door front and the inner door.

Remove the Door

1   Open the door.

2   Rotate the hinge retainer clip on each hinge forward until the hinge retainer clip stops.

3   Close the door until the door stops against the hinge retainer clips.

4   Grasp the door toward the top on each side.

5   Push the top of the door toward closing, while rotating the bottom of the door away from the unit.

6   Remove the door from the unit.

Remove the Door Front or the Inner Door

1   Place the door on a padded surface, handle side down.

2   Use a T-10 Torx bit to remove the left and right inner door mounting screws.

3   Lift the bottom of the door front.

4   Push the door front toward the top of the inner door.
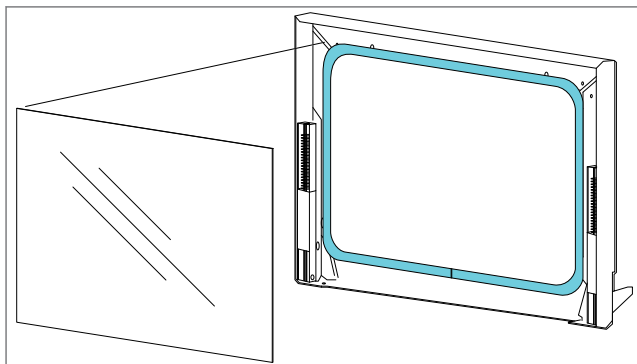
Cavity Component Removal and Installation

service.subzero.com

5   The door front and inner door are separated. Remove the door front or the inner door.
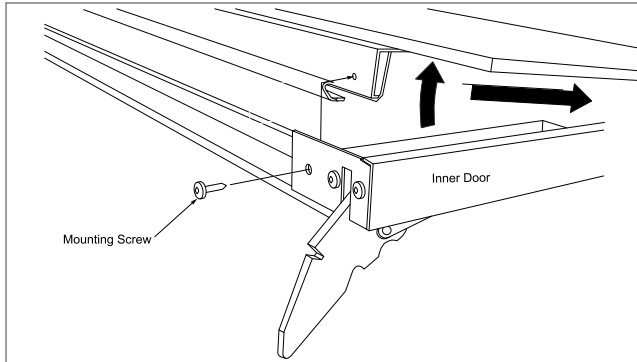
Remove the Intermediate Door Glass

1   Use pliers to straighten the glass retainer tabs.

2   Remove the intermediate door glass from the inner door.

3   Remove the gasket if necessary.

INTERMEDIATE DOOR GLASS INSTALLATION

Install the Intermediate Door Glass

1   Install the gasket if removed.

2   Place the intermediate door glass on the inner door.

3   Use pliers to bend the glass retainer tabs over the intermediate door glass.

Install the Door Front or Inner Door

1   Place the upper and lower gaskets onto the inner door.

2   Place the door front onto the inner door above the inner door bracket.

3   Lift the bottom of the door front above the lower bracket of the inner door.

4   Pull the door front down over the inner door bracket.

5   Use a T-10 Torx bit to install the left and right inner door mounting screws.

Install the Door

1   Holding the door at a 45° angle, insert the door hinges into the hinge slots.

2   Lower the oven door until the oven door stops.

3   Pull the door to the open position.

4   Rotate the hinge retainer clips on each hinge backward until the hinge retainer clips stop.

5   Test the door.

DOOR SEAL REMOVAL

Remove the Door Seal

1   Open the oven door.

2   Pull the door seal from the channel around the oven door.
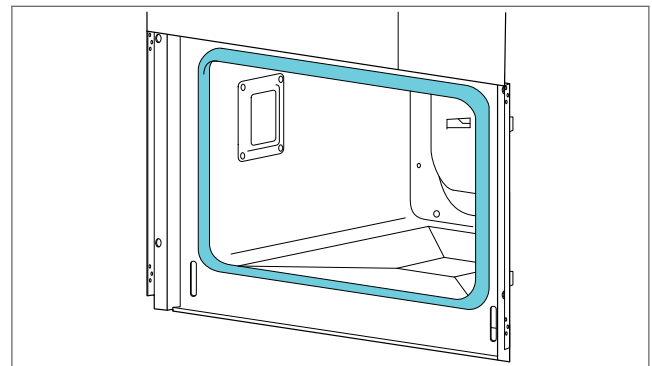
DOOR SEAL INSTALLATION

Install the Door Seal

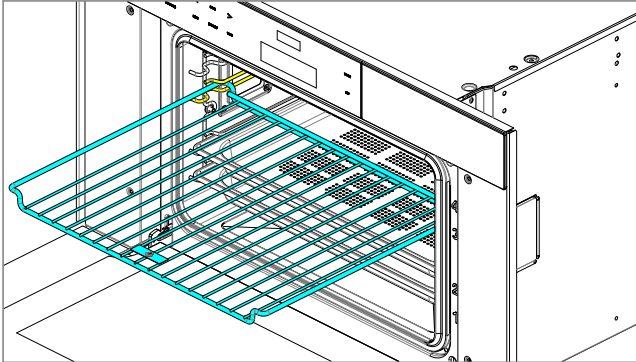Insert the door seal in the channel around the oven door.

Cavity Component Removal and Installation

RACK REMOVAL

Remove the Rack

Pull the rack forward out of the unit.

RACK INSTALLATION

Install the Rack

1 Insert the rack between the rails of the rack guide.

2 Push the rack into the oven.

RACK GUIDE REMOVAL
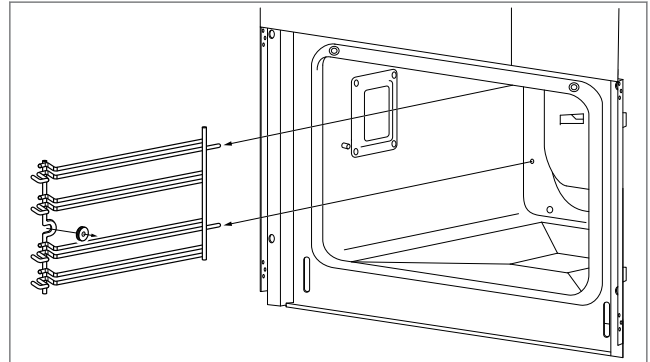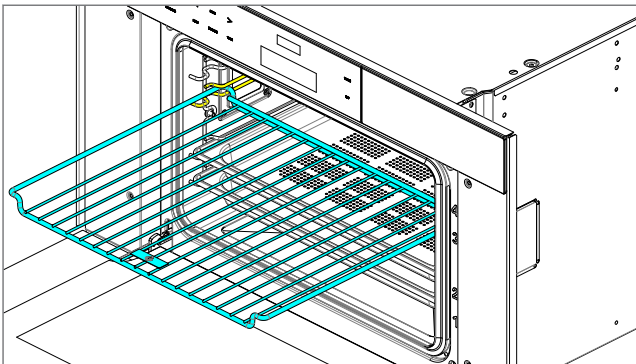
To remove a rack guide, first remove the racks.

Remove the Rack

Pull the rack forward out of the unit.

Remove the Rack Guide

1 Remove the rack guide nut.

2 Pull the front of the rack guide toward the center of the oven.

3 Pull the rack guide forward out of the unit.

RACK GUIDE INSTALLATION

Install the Rack Guide

1 Insert the rack guide rails into the rear baffle.

2 Place the indent in the rack guide over the rack guide stud.

3 Install the rack guide nut.

Install the Rack

1 Insert the rack between the rails of the rack guide.

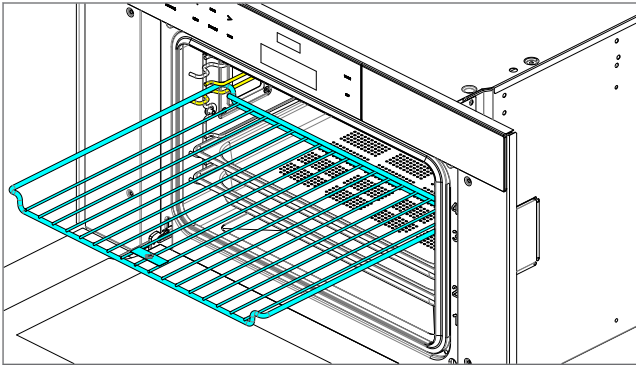2 Push the rack into the oven.

FOOD PROBE COVER REMOVAL

To remove the probe cover, first remove the racks and the right-hand rack guide.

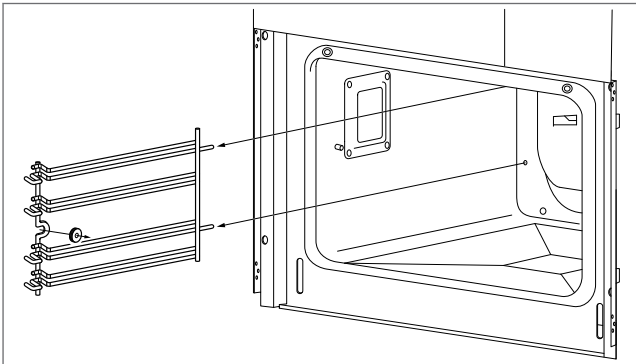# Cavity Component Removal and Installation

Remove the Rack

Pull the rack forward out of the unit.

Remove the Rack Guide

1   Remove the rack guide nut.

2   Pull the front of the rack guide toward the center of the oven.

3   Pull the rack guide forward out of the unit.

Remove the Food Probe Cover

1   Lift the food probe cover.

2   Use an 11 mm socket to remove the food probe cover nut.

3   Remove the food probe cover, nut, and food probe cover seal from the unit.
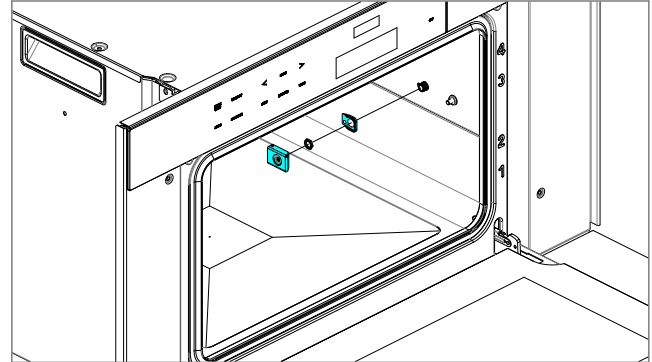
FOOD PROBE COVER INSTALLATION

Install the Food Probe Cover

1   Place the food probe seal onto the food probe cover.

2   Place the food probe cover over the food probe switch threads.

3   Use an 11 mm socket to install the food probe nut.

Install the Rack Guide

1   Insert the rack guide rails into the rear baffle.

2   Place the indent in the rack guide over the rack guide stud.

3   Install the rack guide nut.

Install the Rack

1   Insert the rack between the rails of the rack guide.

2   Push the rack into the oven.

HALOGEN LIGHT BULB REMOVAL

> **⚠ WARNING**
>
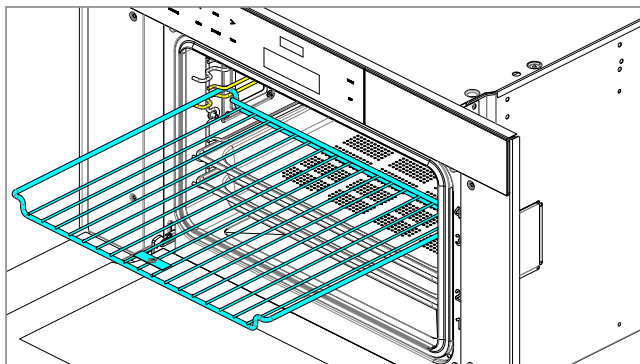> **Turn off the power to the product before starting this procedure.**

To remove the halogen light bulb, first remove the racks and the left rack guide.
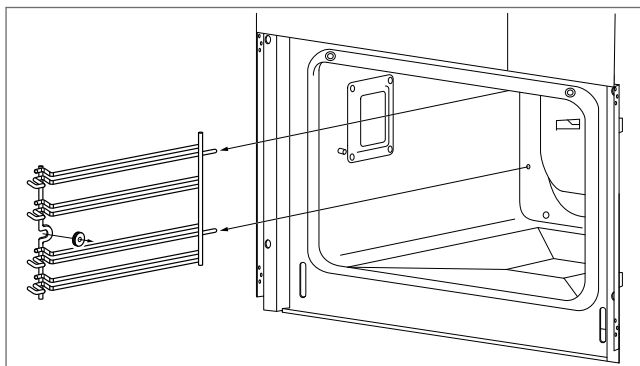
Remove the Rack

Pull the rack forward out of the unit.

Remove the Rack Guide

1. Remove the rack guide nut.
2. Pull the front of the rack guide toward the center of the oven.
3. Pull the rack guide forward out of the unit.

Remove the Halogen Light Bulb

1. Use a T-20 Torx bit to remove the screws from the oven light frame assembly.
2. Remove the oven light frame assembly.
3. Remove the oven light safety glass.
4. Remove the oven light seal if required.

5. Remove the halogen light bulb.
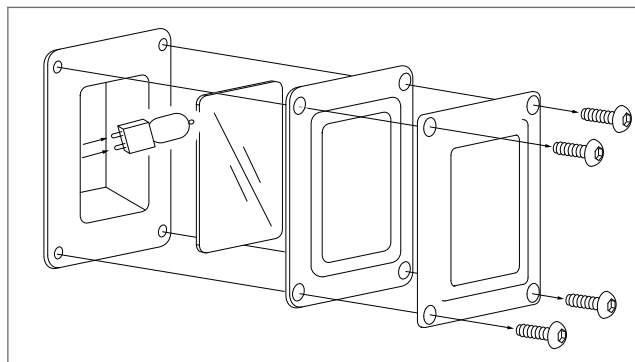
HALOGEN LIGHT BULB INSTALLATION

Install the Halogen Light Bulb

TIP: Use a cloth to install the halogen light bulb. Oil from fingers shortens the life of the halogen light bulb.

1. Insert the halogen light bulb into the socket.
2. Install the oven light seal into the oven light frame assembly if it was removed.
3. Place the oven light safety glass onto the oven light seal.
4. Place the oven light safety glass, oven light seal, and oven light frame assembly over the light housing.
5. Use a T-20 Torx bit to install the screws into the oven light housing.

Install the Rack Guide

1. Insert the rack guide rails into the rear baffle.
2. Place the indent in the rack guide over the rack guide stud.
3. Install the rack guide nut.

Install the Rack

1. Insert the rack between the rails of the rack guide.
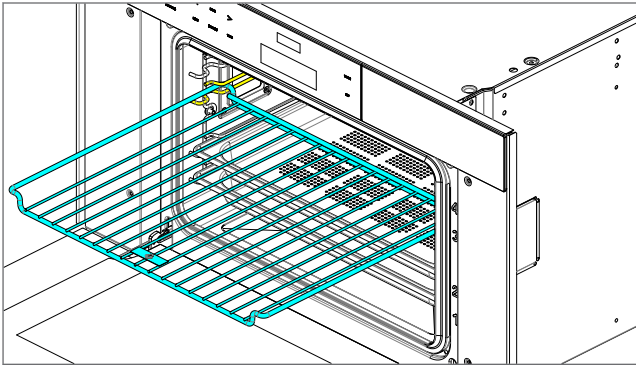2. Push the rack into the oven.

REAR BAFFLE REMOVAL

To remove the rear baffle, first remove the racks and rack guides.

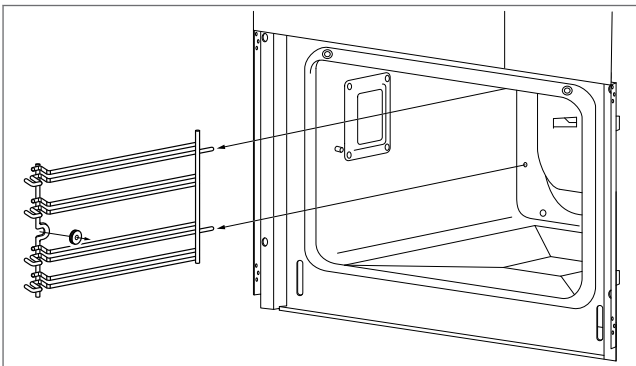# Cavity Component Removal and Installation

Remove the Rack

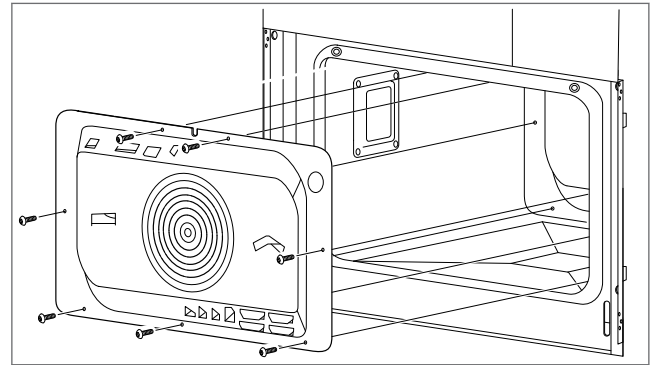Pull the rack forward out of the unit.

Remove the Rack Guide

1   Remove the rack guide nut.

2   Pull the front of the rack guide toward the center of the oven.

3   Pull the rack guide forward out of the unit.

Remove the Rear Baffle

1   Use a T-20 Torx bit to remove the screws from the rear baffle.

2   Remove the rear baffle from the unit.

REAR BAFFLE INSTALLATION

Install the Rear Baffle

1   Place the rear baffle against the back wall of the oven cavity.

2   Use a T-20 Torx bit to install the screws into the rear baffle.

Install the Rack Guide

1   Insert the rack guide rails into the rear baffle.

2   Place the indent in the rack guide over the rack guide stud.

3   Install the rack guide nut.

Install the Rack

1   Insert the rack between the rails of the rack guide.

2   Push the rack into the oven.
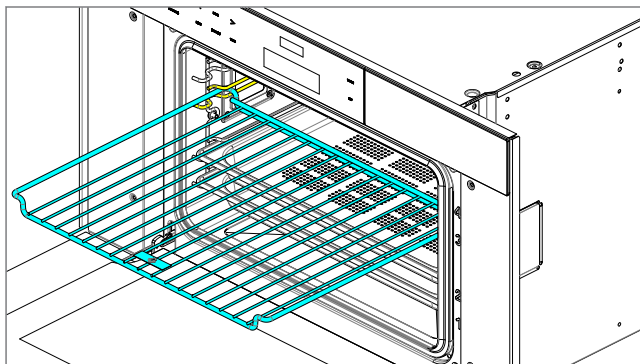
HOT AIR FAN BLADE REMOVAL

To remove the hot air fan blade, first remove the racks, rack guides, and rear baffle.

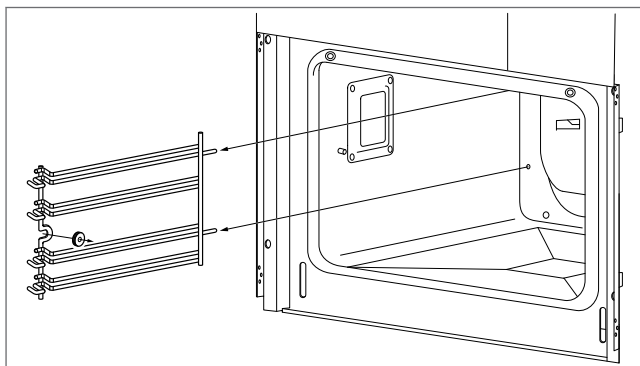# Cavity Component Removal and Installation

Remove the Rack

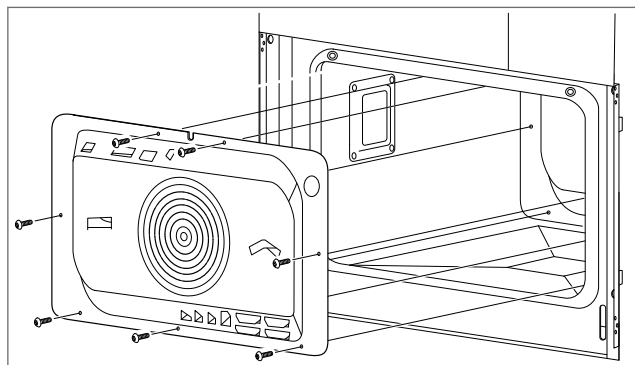Pull the rack forward out of the unit.

Remove the Rack Guide

1   Remove the rack guide nut.

2   Pull the front of the rack guide toward the center of the oven.

3   Pull the rack guide forward out of the unit.

Remove the Rear Baffle

1   Use a T-20 Torx bit to remove the screws from the rear baffle.
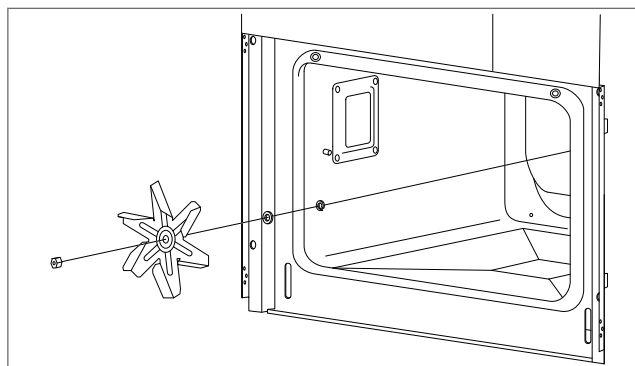
2   Remove the rear baffle from the unit.

Remove the Hot Air Fan Blade

TIP: The hot air fan blade nut is reverse threaded.

1   Use a 10 mm socket to remove the nut from the hot air fan blade.

2   Remove the washer and the hot air fan blade from the unit.

3   The washer and C-clip behind the hot air fan blade does not need to be removed unless the convection fan motor is being removed.

HOT AIR FAN BLADE INSTALLATION

Install the Hot Air Fan Blade

1   Install the C-clip and washer if they were removed for replacement of the convection fan motor.

2   Install the hot air fan blade.

3   Install the washer.

TIP: The hot air fan blade nut is reverse-threaded.

Cavity Component Removal and Installation

INSTALL THE HOT AIR FAN BLADE (continued)

4   Use a 10 mm socket to install the nut onto the hot air fan blade.

Install the Rear Baffle

1   Place the rear baffle against the back wall of the oven cavity.

2   Use a T-20 Torx bit to install the screws into the rear baffle.

Install the Rack Guide

1   Insert the rack guide rails into the rear baffle.

2   Place the indent in the rack guide over the rack guide stud.

3   Install the rack guide nut.

Install the Rack

1   Insert the rack between the rails of the rack guide.

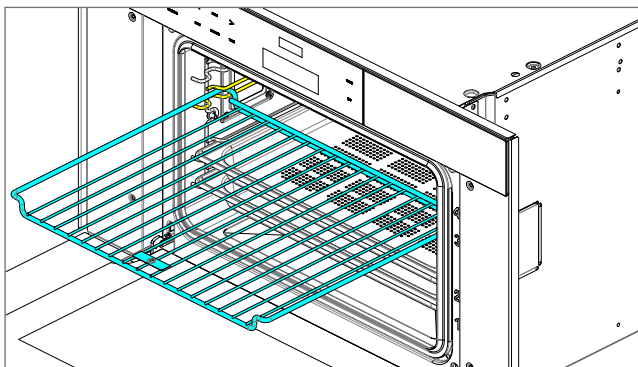2   Push the rack into the oven.

ELEMENT REMOVAL

> ⚠ **WARNING**
>
> **Turn off the power to the product before starting this procedure.**

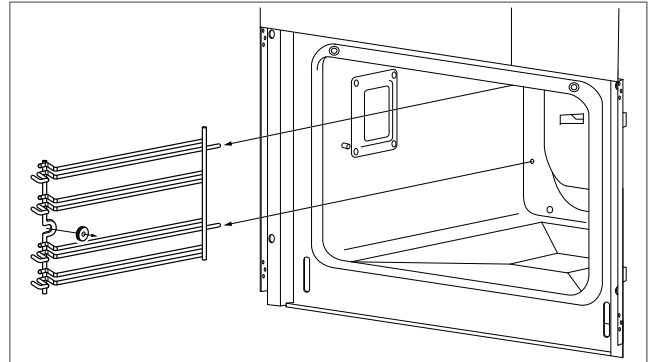To remove the element, first remove the racks, rack guides, and rear baffle.

Remove the Rack

Pull the rack forward out of the unit.

Remove the Rack Guide

1   Remove the rack guide nut.

2   Pull the front of the rack guide toward the center of the oven.

3   Pull the rack guide forward out of the unit.

Remove the Rear Baffle

1   Use a T-20 Torx bit to remove the screws from the rear baffle.

2   Remove the rear baffle from the unit.
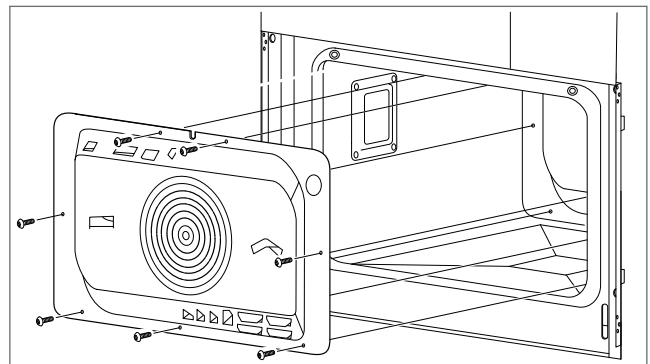
Remove the Element

1   Use a T-20 Torx bit to remove the screws and washer from the element.

2   Pull the element forward and disconnect the electrical wires.

3   Remove the gasket seal from the element.

Cavity Component Removal and Installation
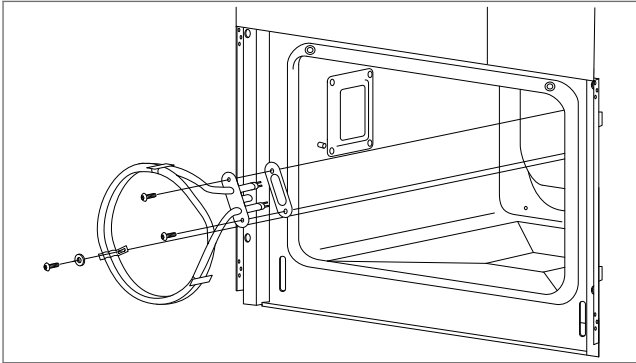
REMOVE THE ELEMENT (continued)

4   Remove the element form the unit.

ELEMENT INSTALLATION

Install the Element

1   Install the gasket seal onto the element.

2   Connect the electrical wires to the element.

3   Install the element through the back wall of the oven cavity.

4   Use a T-20 Torx bit to install the screws and washer into the element.

Install the Rear Baffle

1   Place the rear baffle against the back wall of the oven cavity.

2   Use a T-20 Torx bit to install the screws into the rear baffle.

Install the Rack Guide

1   Insert the rack guide rails into the rear baffle.

2   Place the indent in the rack guide over the rack guide stud.

3   Install the rack guide nut.

Install the Rack

1   Insert the rack between the rails of the rack guide.

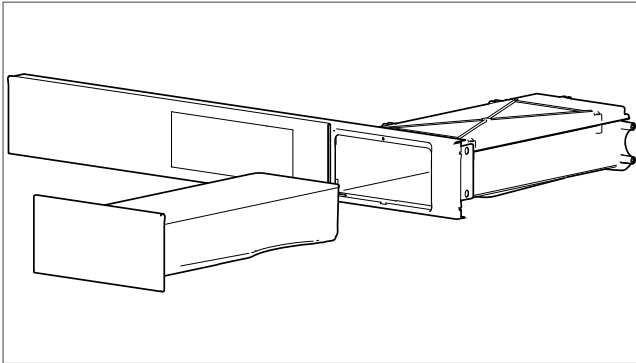2   Push the rack into the oven.

Top Component Removal and Installation

TOP COMPONENT REMOVAL AND INSTALLATION

WATER TANK REMOVAL

Remove the Water Tank

1   Touch Water on the control panel.

2   Remove the water tank from the unit.

WATER TANK INSTALLATION

Install the Water Tank Assembly

1   Install the water tank into the unit.
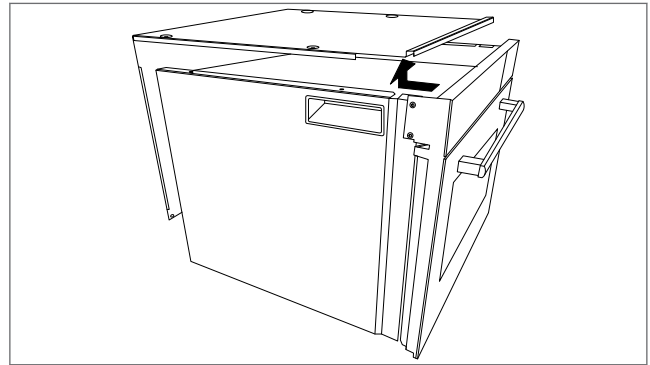
2   Push the water tank closed.

TOP PLATE REMOVAL

> ⚠ **WARNING**
>
> **Turn off the power to the product before starting this procedure.**

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.

TOP PLATE INSTALLATION

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

DOOR SWITCH REMOVAL

To remove the door switch, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.
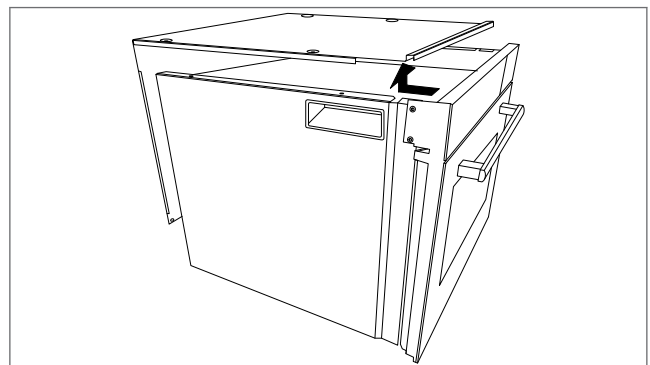
Remove the Door Switch

1   Disconnect the door switch electrical connector from the control board.

Top Component Removal and Installation

service.subzero.com

2   Open the door switch bracket tab and remove the door switch from the door switch bracket.
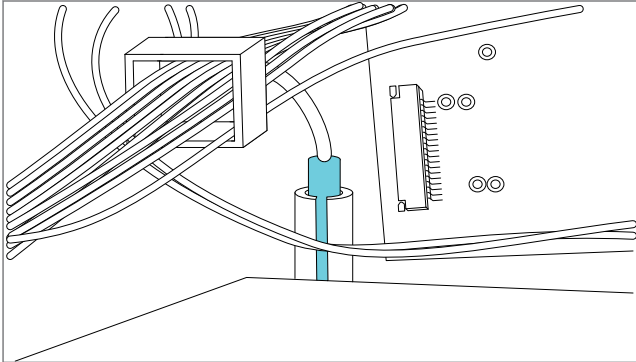
DOOR SWITCH INSTALLATION

Install the Door Switch

1   Place the door switch in the door switch bracket.

2   Connect the door switch connector to the control board.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

VALVE ASSEMBLY REMOVAL

The valve assembly includes the water valve, water tank microswitch, water tank drive motor, and the water tank rail.

To remove the valve assembly, first remove the water tank and the top plate.

Remove the Water Tank

1   Touch Water on the control panel.

2   Remove the water tank from the unit.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.
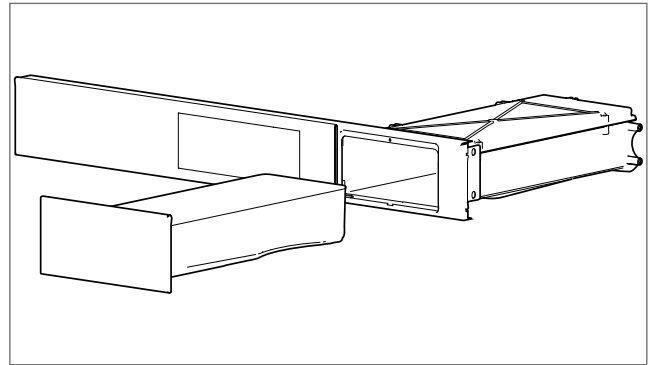
2   Remove the top plate from the unit.

Remove the Valve Assembly

1   Remove the electrical connectors from the water tank microswitch.

2   Remove the electrical connectors from the water valve.

3   Remove the ground wires.

4   Remove the drive motor tab from the tank housing cover.

5   Use a T-10 Torx bit to remove the screws from the valve assembly.

Top Component Removal and Installation

REMOVE THE VALVE ASSEMBLY (continued)

6   Remove the valve assembly from the unit.
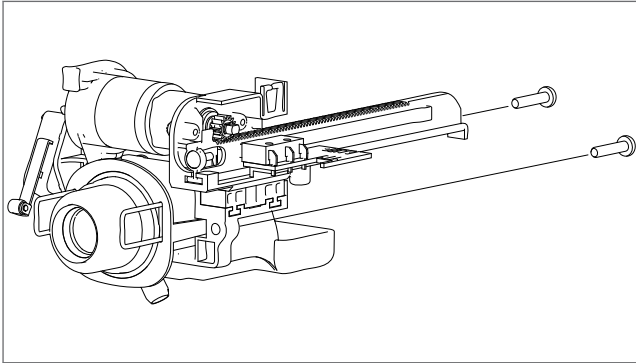
VALVE ASSEMBLY INSTALLATION

Install the Valve Assembly

1   Place the valve assembly into the tank housing base.

2   Use a T-10 Torx bit to install the screws into the valve assembly.

3   Install the drive motor tab into the notch in the tank housing cover.

4   Connect the ground wires.

5   Connect the valve assembly electrical connectors.

6   Connect the water tank microswitch electrical connectors.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

Install the Water Tank Assembly

1   Install the water tank into the unit.

2   Push the water tank closed.

TANK HOUSING COVER REMOVAL

To remove the tank housing cover, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.

Remove the Tank Housing Cover

1   Remove the wire guides from the tank housing cover.

2   Use a T-10 Torx bit to remove the screws from the tank housing cover.

3   Remove the tank housing cover from the unit.

TANK HOUSING COVER INSTALLATION

Install the Tank Housing Cover

1   Place the tank housing cover onto the tank housing base.

2   Use a T-10 Torx bit to install the screws into the tank housing cover.

3   Install the wire harness clips onto the tank housing cover.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

TANK HOUSING BASE REMOVAL

To remove the tank housing base, first remove the water tank, top plate, tank housing cover, and valve assembly.
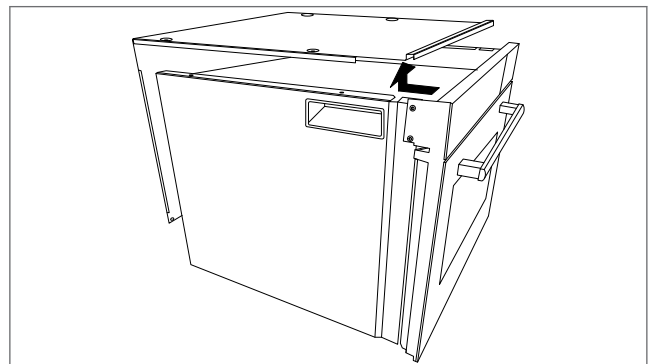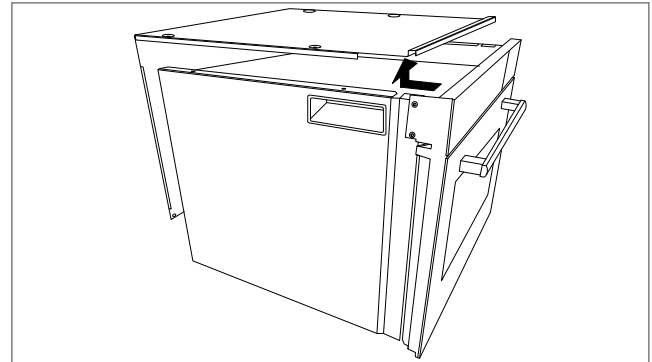
Remove the Water Tank

1   Touch Water on the control panel.

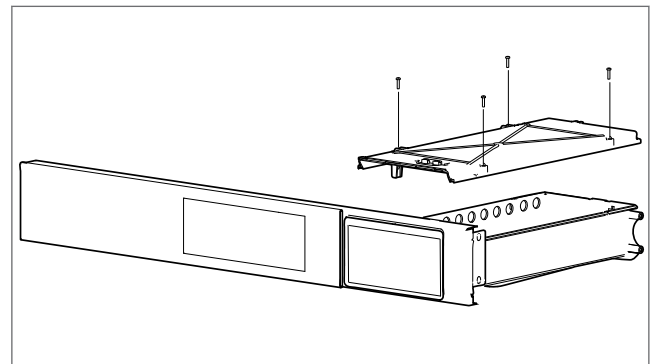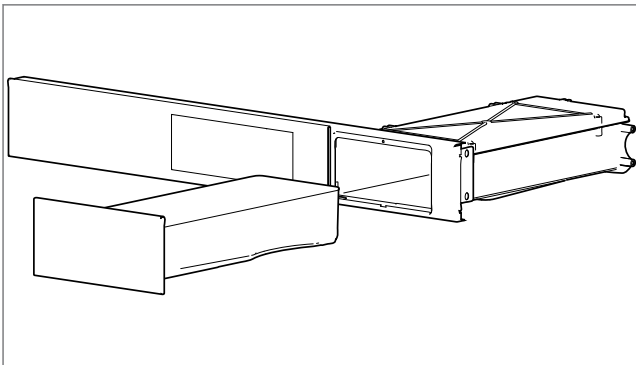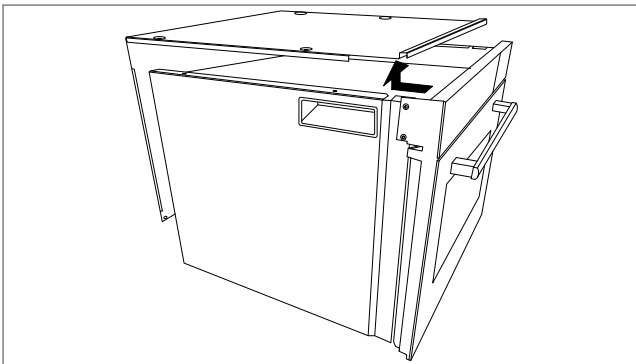2   Remove the water tank from the unit.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.

Remove the Tank Housing Cover

1   Remove the wire guides from the tank housing cover.

2   Use a T-10 Torx bit to remove the screws from the tank housing cover.

3   Remove the tank housing cover from the unit.

Remove the Valve Assembly

1   Remove the electrical connectors from the water tank microswitch.

2   Remove the electrical connectors from the water valve.

3   Remove the ground wires.

4   Remove the drive motor tab from the tank housing cover.

5   Use a T-10 Torx bit to remove the screws from the valve assembly.

6   Remove the valve assembly from the unit.
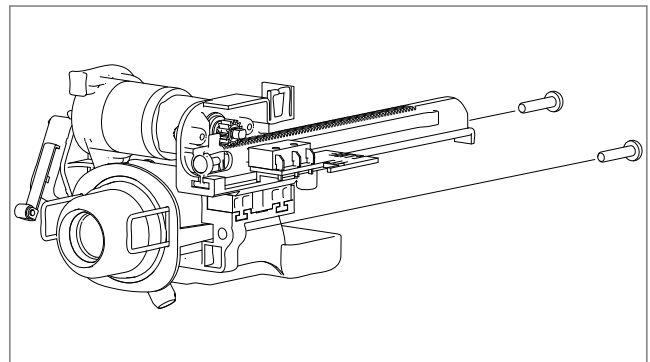
Remove the Tank Housing Base

1   Use a T-20 Torx bit to remove the screws from the side of the tank housing base.

2   Push the tank housing base forward out of the control panel.

Top Component Removal and Installation

REMOVE THE TANK HOUSING BASE (continued)

3   Remove the tank housing base from the unit.
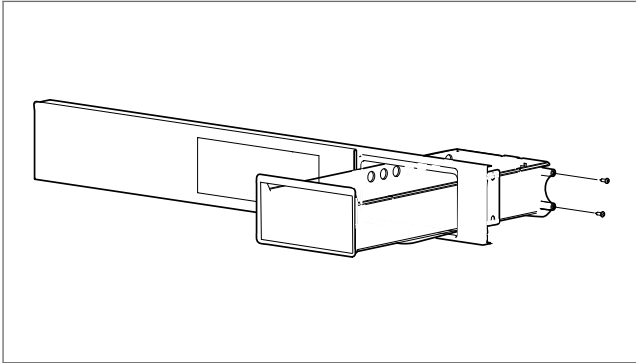
TANK HOUSING BASE INSTALLATION

Install the Tank Housing Base

1   Insert the tank housing base into the control panel.

2   Use a T-20 Torx bit to install the screws into the tank housing base.

Install the Valve Assembly

1   Place the valve assembly into the tank housing base.

2   Use a T-10 Torx bit to install the screws into the valve assembly.

3   Install the drive motor tab into the notch in the tank housing cover.

4   Connect the ground wires.

5   Connect the valve assembly electrical connectors.

6   Connect the water tank microswitch electrical connectors.

Install the Tank Housing Cover

1   Place the tank housing cover onto the tank housing base.

2   Use a T-10 Torx bit to install the screws into the tank housing cover.

3   Install the wire harness clips onto the tank housing cover.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

Install the Water Tank Assembly

1   Install the water tank into the unit.

2   Push the water tank closed.

CONTROL BOARD REMOVAL

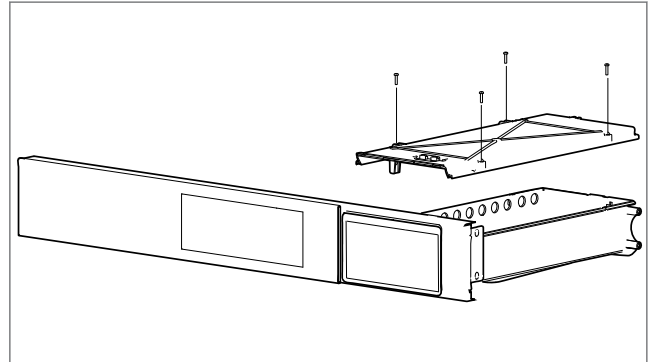To remove the control board, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.

Remove the Control Board

1   Open the locks on the ribbon cable connectors, and remove the ribbon cables from the control board.

2   Disconnect the electrical connectors from the control board.

3   Open the control board bracket tabs along the top of the control board.

Top Component Removal and Installation

service.subzero.com

REMOVE THE CONTROL BOARD (continued)

4 Remove the control board from the unit.

CONTROL BOARD INSTALLATION

Install the Control Board

1 Place the bottom of the control board into the control board bracket supports.

2 Push the top of the control board into the control board bracket.

3 Insert the ribbon cables into the ribbon cable connectors and lock the ribbon cable connector.

4 Connect the electrical connectors to the control board.

Install the Top Plate

1 Place the top plate on the unit.

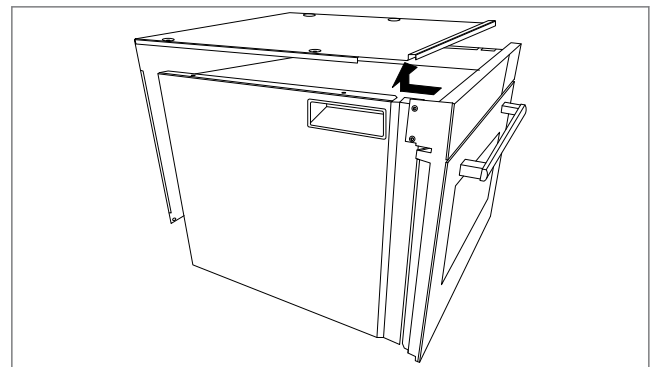2 Use a T-20 Torx bit to install the screws into the top plate.

DISPLAY REMOVAL

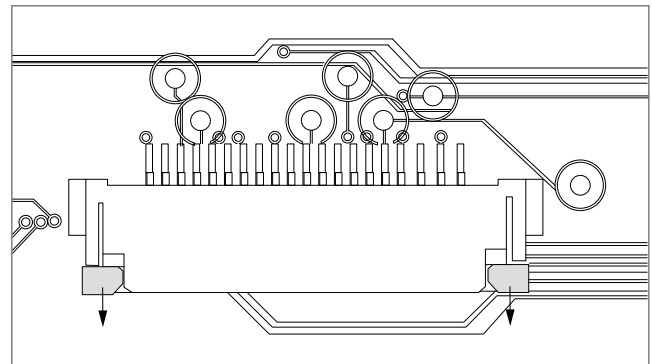To remove the display, first remove the top plate and the control board.

Remove the Top Plate

1 Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2 Remove the top plate from the unit.

Remove the Control Board

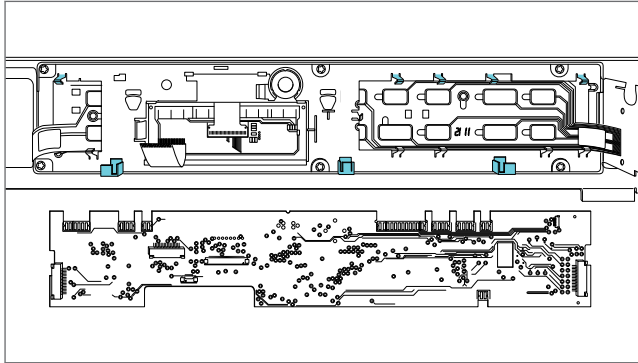1 Open the locks on the ribbon cable connectors, and remove the ribbon cables from the control board.

2 Disconnect the electrical connectors from the control board.

3 Open the control board bracket tabs along the top of the control board.

Top Component Removal and Installation
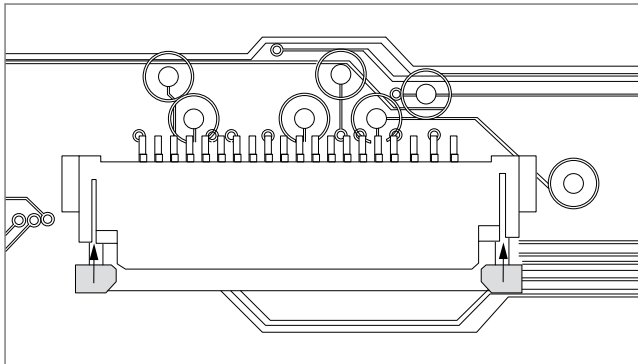
REMOVE THE CONTROL BOARD (continued)

4   Remove the control board from the unit.

Remove the Display

1   Lift the tabs on the control board bracket at the top of the display.

2   Remove the display from the unit.

DISPLAY INSTALLATION

Install the Display

1   Place the bottom of the display into the channel on the control board bracket.

2   Snap the top of the display into place.

Install the Control Board

1   Place the bottom of the control board into the control board bracket supports.

2   Push the top of the control board into the control board bracket.

3   Insert the ribbon cables into the ribbon cable connectors and lock the ribbon cable connector.

4   Connect the electrical connectors to the control board.
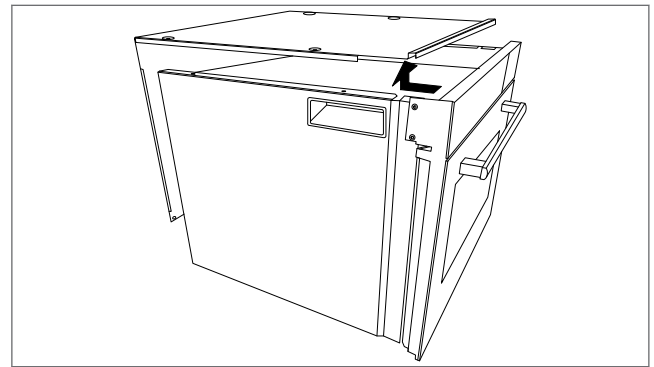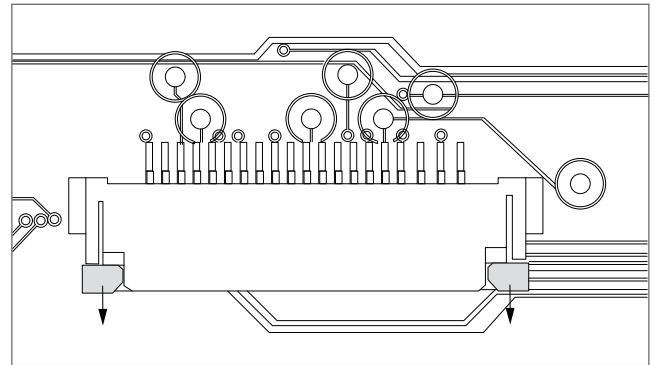
Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

CONTROL PANEL REMOVAL

To remove the control panel, first remove the water tank, top plate, tank housing cover, valve assembly, tank housing base, control board, and display.

Remove the Water Tank

1   Touch Water on the control panel.

2   Remove the water tank from the unit.
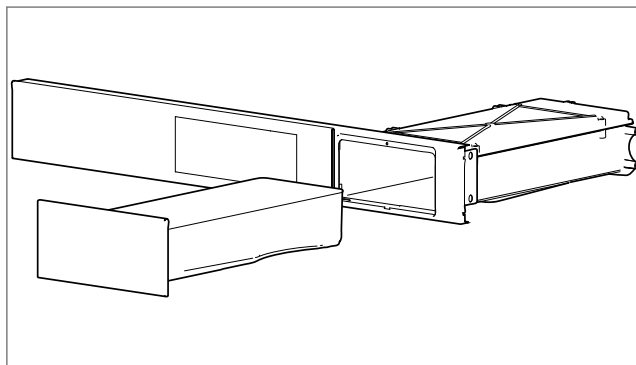
Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

Top Component Removal and Installation

REMOVE THE TOP PLATE (continued)

2   Remove the top plate from the unit.

6   Remove the valve assembly from the unit.
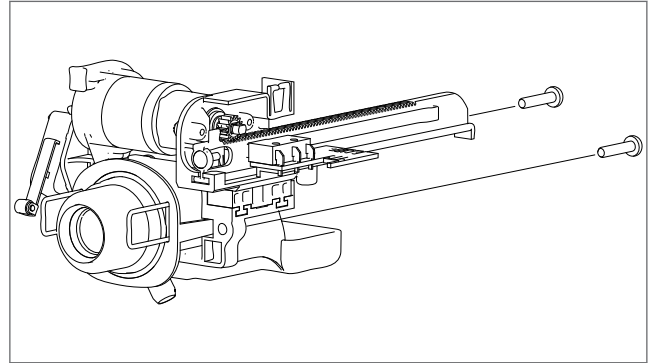
Remove the Tank Housing Cover

1   Remove the wire guides from the tank housing cover.

2   Use a T-10 Torx bit to remove the screws from the tank housing cover.

3   Remove the tank housing cover from the unit.
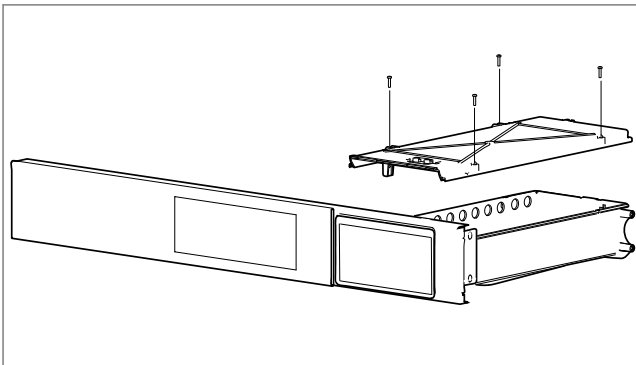
Remove the Tank Housing Base

1   Use a T-20 Torx bit to remove the screws from the side of the tank housing base.

2   Push the tank housing base forward out of the control panel.

3   Remove the tank housing base from the unit.
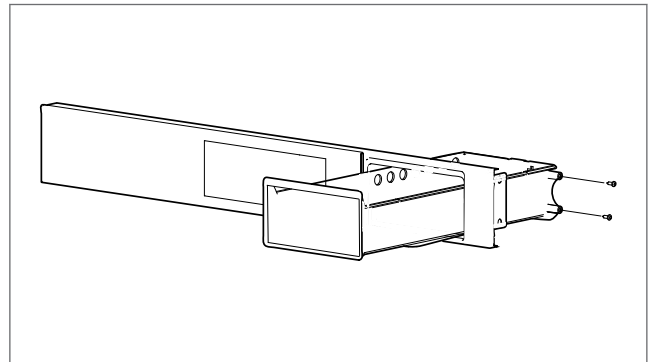
Remove the Valve Assembly

1   Remove the electrical connectors from the water tank microswitch.

2   Remove the electrical connectors from the water valve.

3   Remove the ground wires.

4   Remove the drive motor tab from the tank housing cover.

5   Use a T-10 Torx bit to remove the screws from the valve assembly.

Remove the Control Board

1   Open the locks on the ribbon cable connectors, and remove the ribbon cables from the control board.
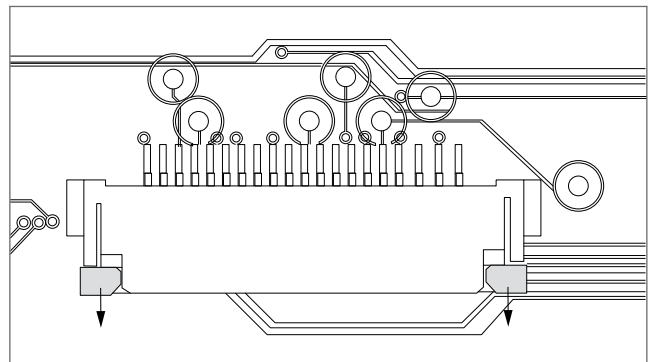
Top Component Removal and Installation
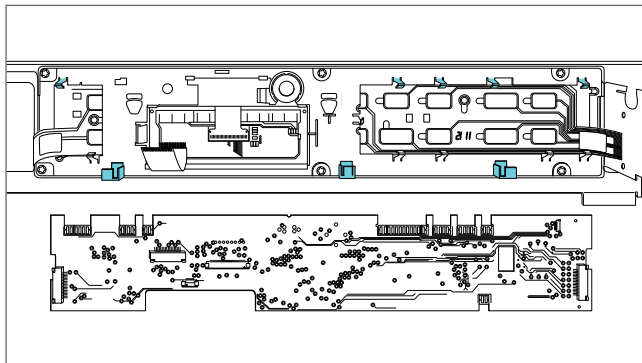
REMOVE THE CONTROL BOARD (continued)

2   Disconnect the electrical connectors from the control board.
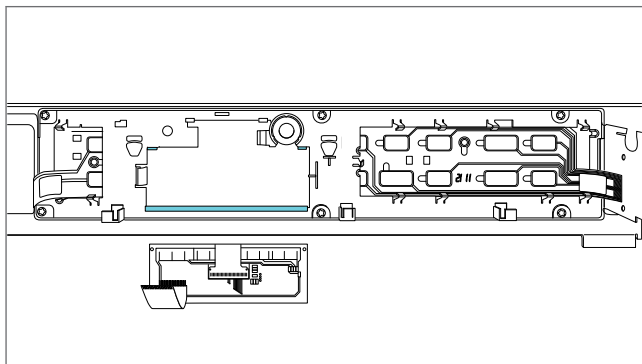
3   Open the control board bracket tabs along the top of the control board.

4   Remove the control board from the unit.
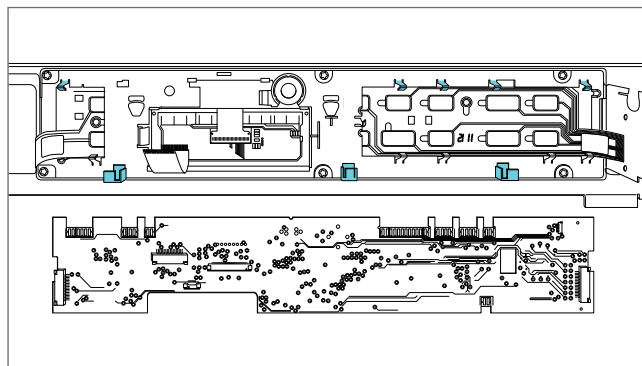
Remove the Display

1   Lift the tabs on the control board bracket at the top of the display.
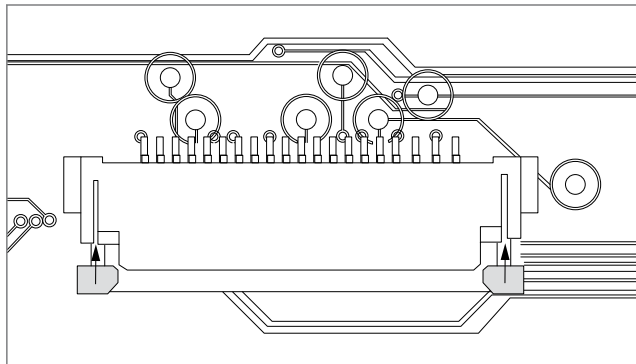
2   Remove the display from the unit.
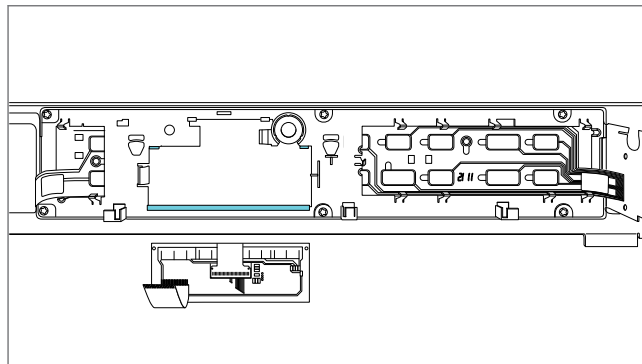
Remove the Control Panel

1   Remove the ground wires from the control panel.

2   Use a T-20 Torx bit to remove the screws from the control panel.

3   Remove the control panel from the unit.
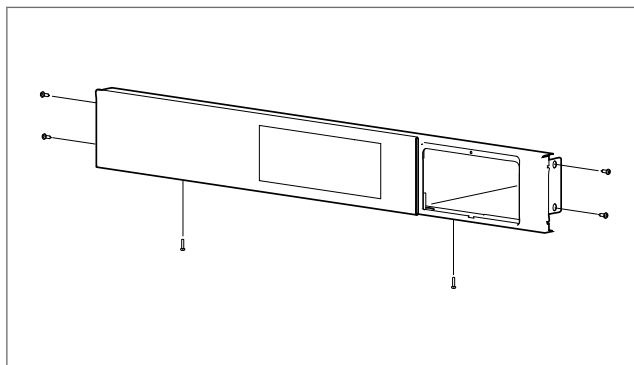
4   Turn the control panel over.

5   Use a T-20 Torx bit to remove the screws from the control board bracket.

6   Remove the control board bracket from the control panel.
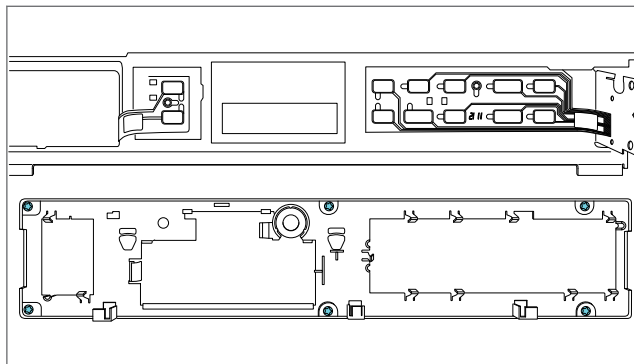
CONTROL PANEL INSTALLATION

Install the Control Panel

1   Place the control panel on the unit.

2   Use a T-20 Torx bit to install the screws into the control panel.

3   Connect the ground wires to the control panel.

Install the Display

1   Place the bottom of the display into the channel on the control board bracket.

2   Snap the top of the display into place.

Install the Control Board

1   Place the bottom of the control board into the control board bracket supports.

2   Push the top of the control board into the control board bracket.

3   Insert the ribbon cables into the ribbon cable connectors and lock the ribbon cable connector.

4   Connect the electrical connectors to the control board.

Install the Tank Housing Base

1   Insert the tank housing base into the control panel.

2   Use a T-20 Torx bit to install the screws into the tank housing base.

Install the Valve Assembly

1   Place the valve assembly into the tank housing base.

2   Use a T-10 Torx bit to install the screws into the valve assembly.

3   Install the drive motor tab into the notch in the tank housing cover.

4   Connect the ground wires.

5   Connect the valve assembly electrical connectors.

6   Connect the water tank microswitch electrical connectors.

Install the Tank Housing Cover

1   Place the tank housing cover onto the tank housing base.

2   Use a T-10 Torx bit to install the screws into the tank housing cover.

3   Install the wire harness clips onto the tank housing cover.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

Install the Water Tank Assembly

1   Install the water tank into the unit.

2   Push the water tank closed.

ROOM AIR FAN REMOVAL

To remove the room air fan, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.
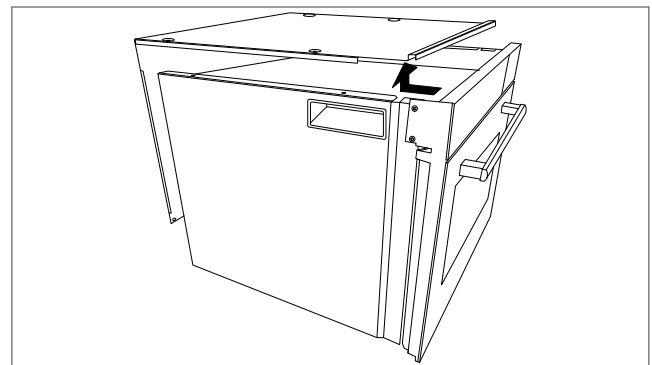
Remove the Room Air Fan

1   Disconnect the electrical connectors from the room air fan.

2   Rotate the room air fan clockwise.
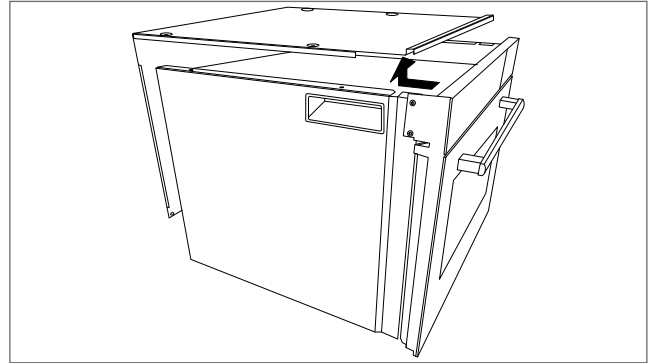
3   Lift the room air fan up and remove it from the unit.

2   Remove the top plate from the unit.

ROOM AIR FAN INSTALLATION

Install the Room Air Fan

1   Align the arrow on the room air fan with the open arrow on the top exhaust duct.

2   Rotate the room air fan counterclockwise until the arrow on top of the room air fan is aligned to closed on the top exhaust duct.

3   Connect the electrical connectors to the room air fan.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

LOUDSPEAKER REMOVAL

To remove the loudspeaker, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

Remove the Loudspeaker

1   Disconnect the loudspeaker electrical connector from the control board.

2   Rotate the loudspeaker counterclockwise.

3   Remove the loudspeaker from the top exhaust duct.

LOUDSPEAKER INSTALLATION

Install the Loudspeaker

1   Insert the tabs of the loudspeaker into the top exhaust duct.

2   Rotate the loudspeaker clockwise until the arrow on top of the loudspeaker is pointing to the front of the unit.

3   Connect the loudspeaker electrical connector to the control board.

Install the Top Plate

1   Place the top plate on the unit.

Top Component Removal and Installation

service.subzero.com

INSTALL THE TOP PLATE (continued)

2   Use a T-20 Torx bit to install the screws into the top plate.

TEMPERATURE SENSOR 300C REMOVAL

To remove the temperature sensor 300C, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.
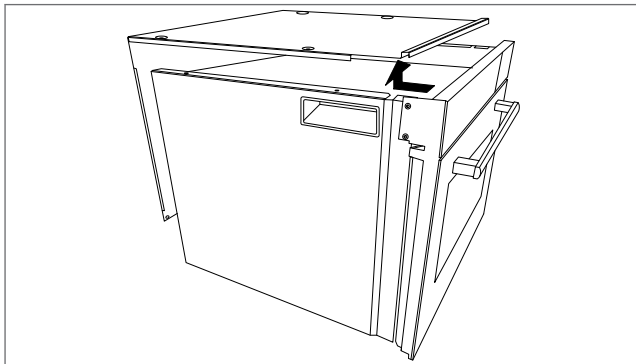
Remove the Temperature Sensor 300C

1   Disconnect the temperature sensor 300C electrical connector from the unit relay board.

2   Use a T-15 Torx bit to remove the screw from the temperature sensor 300C.

3   Remove the temperature sensor 300C from the top exhaust duct.

TEMPERATURE SENSOR 300C INSTALLATION

Install the Temperature Sensor 300C

1   Insert the temperature sensor 300C into the top exhaust duct.

2   Use a T-15 Torx bit to install the screw into the temperature sensor 300C.

3   Connect the temperature sensor 300C electrical connector to the unit relay board.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

STEPPER MOTOR REMOVAL

To remove the stepper motor, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.
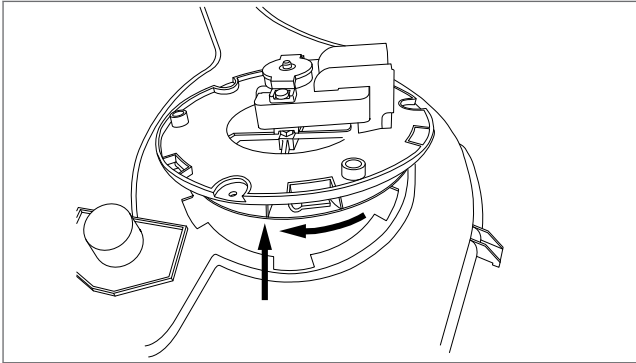
2   Remove the top plate from the unit.
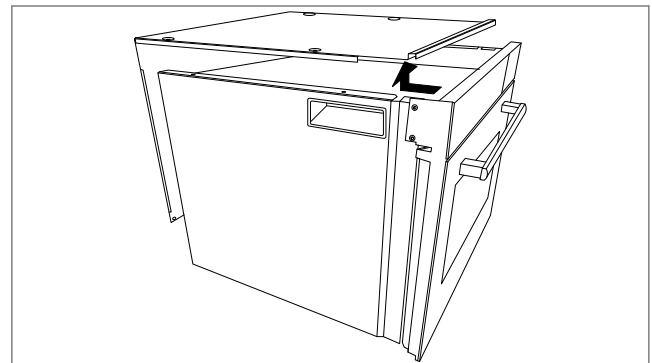
Remove the Stepper Motor

1   Disconnect the electrical connector from the stepper motor.

2   Use a flat-blade screwdriver to pry the tabs up on the stepper motor retainer, while pulling the stepper motor toward the front of the unit.

Top Component Removal and Installation

REMOVE THE STEPPER MOTOR (continued)

3   Remove the stepper motor from the unit.

2   Remove the top plate from the unit.
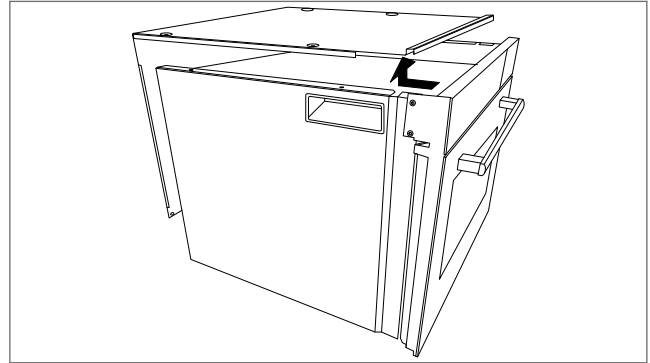
STEPPER MOTOR INSTALLATION

Install the Stepper Motor

1   Slide the stepper motor backward over the stepper motor retainer until the stepper motor tabs lock into place.

2   Connect the electrical connector to the stepper motor.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.
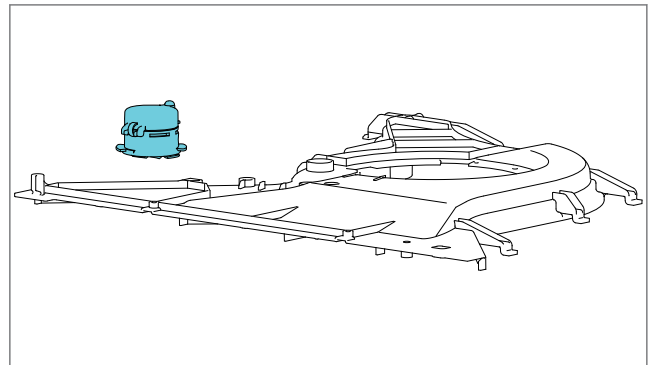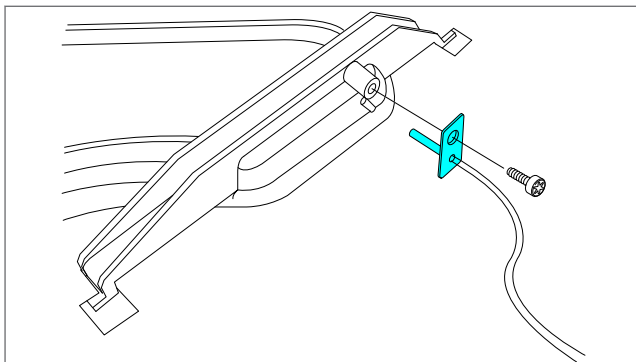
TOP EXHAUST DUCT REMOVAL

To remove the top exhaust duct, first remove the top plate, loudspeaker, room air fan motor, temperature sensor 300C, and stepper motor.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

Remove the Loudspeaker

1   Disconnect the loudspeaker electrical connector from the control board.

2   Rotate the loudspeaker counterclockwise.

3   Remove the loudspeaker from the top exhaust duct.

Remove the Room Air Fan

1   Disconnect the electrical connectors from the room air fan.

2   Rotate the room air fan clockwise.

Top Component Removal and Installation

REMOVE THE ROOM AIR FAN (continued)

3   Lift the room air fan up and remove it from the unit.

Remove the Temperature Sensor 300C

1   Disconnect the temperature sensor 300C electrical connector from the unit relay board.

2   Use a T-15 Torx bit to remove the screw from the temperature sensor 300C.

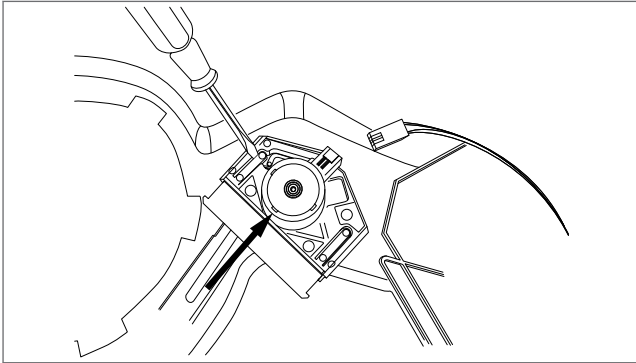3   Remove the temperature sensor 300C from the top exhaust duct.

Remove the Stepper Motor

1   Disconnect the electrical connector from the stepper motor.

2   Use a flat-blade screwdriver to pry the tabs up on the stepper motor retainer, while pulling the stepper motor toward the front of the unit.

3   Remove the stepper motor from the unit.

Remove the Top Exhaust Duct

1   Use a T-20 Torx bit to extract the screws from the top exhaust duct.

2   Push the top exhaust duct toward the rear of the unit to disengage the top exhaust duct tabs.

3   Remove the top exhaust duct from the unit.

TOP EXHAUST DUCT INSTALLATION

Install the Top Exhaust Duct

1   Place the top exhaust duct tabs into the notches in the top of the unit.

2   Pull the top exhaust duct toward the front of the unit to lock the top exhaust duct tabs in place.

3   Use a T-20 Torx bit to install the screws into the top exhaust duct.

Top Component Removal and Installation

Install the Stepper Motor

1   Slide the stepper motor backward over the stepper motor retainer until the stepper motor tabs lock into place.

2   Connect the electrical connector to the stepper motor.

Install the Temperature Sensor 300C

1   Insert the temperature sensor 300C into the top exhaust duct.

2   Use a T-15 Torx bit to install the screw into the temperature sensor 300C.

3   Connect the temperature sensor 300C electrical connector to the unit relay board.

Install the Room Air Fan

1   Align the arrow on the room air fan with the open arrow on the top exhaust duct.

2   Rotate the room air fan counterclockwise until the arrow on top of the room air fan is aligned to closed on the top exhaust duct.

3   Connect the electrical connectors to the room air fan.

Install the Loudspeaker

1   Insert the tabs of the loudspeaker into the top exhaust duct.

2   Rotate the loudspeaker clockwise until the arrow on top of the loudspeaker is pointing to the front of the unit.

3   Connect the loudspeaker electrical connector to the control board.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

VALVE COUPLER ASSEMBLY REMOVAL

To remove the valve coupler assembly, first remove the top plate, loudspeaker, room air fan motor, temperature sensor 300C, stepper motor, and top exhaust duct.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.

Remove the Loudspeaker

1   Disconnect the loudspeaker electrical connector from the control board.

2   Rotate the loudspeaker counterclockwise.

3   Remove the loudspeaker from the top exhaust duct.

Remove the Room Air Fan

1   Disconnect the electrical connectors from the room air fan.

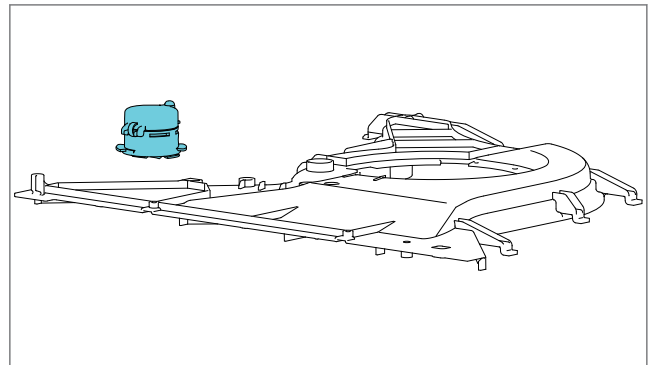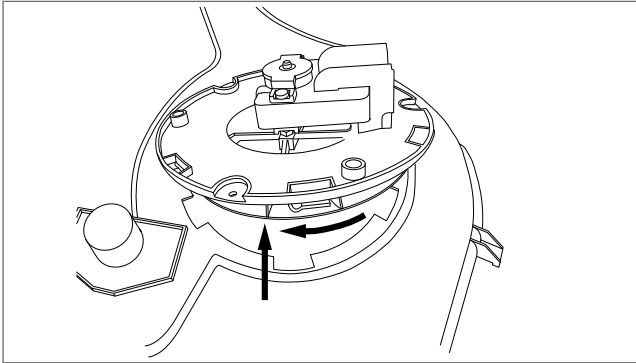2   Rotate the room air fan clockwise.
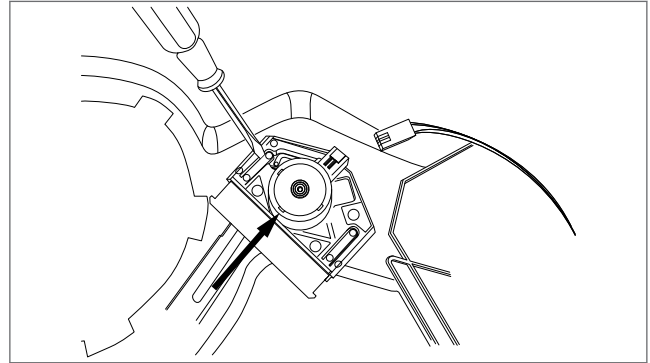
Top Component Removal and Installation

REMOVE THE ROOM AIR FAN (continued)
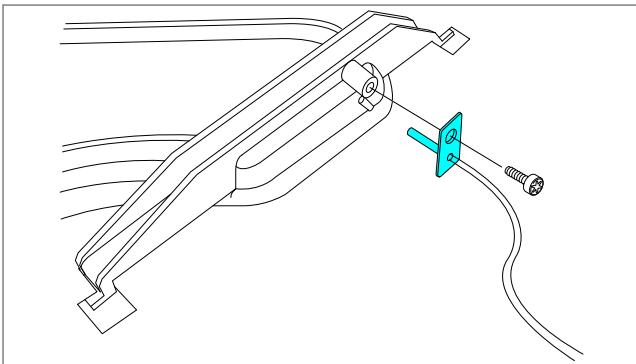
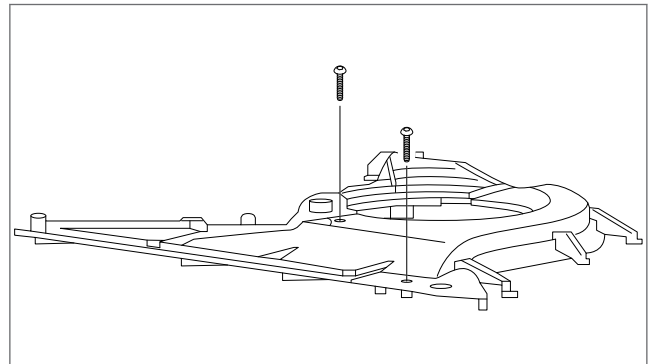3   Lift the room air fan up and remove it from the unit.

Remove the Temperature Sensor 300C

1   Disconnect the temperature sensor 300C electrical connector from the unit relay board.

2   Use a T-15 Torx bit to remove the screw from the temperature sensor 300C.

3   Remove the temperature sensor 300C from the top exhaust duct.

Remove the Stepper Motor

1   Disconnect the electrical connector from the stepper motor.

2   Use a flat-blade screwdriver to pry the tabs up on the stepper motor retainer, while pulling the stepper motor toward the front of the unit.

3   Remove the stepper motor from the unit.

Remove the Top Exhaust Duct

1   Use a T-20 Torx bit to extract the screws from the top exhaust duct.

2   Push the top exhaust duct toward the rear of the unit to disengage the top exhaust duct tabs.

3   Remove the top exhaust duct from the unit.

Remove the Valve Coupler Assembly

1   Use a T-15 Torx bit to extract the screws from the stepping motor retainer.

Top Component Removal and Installation

service.subzero.com
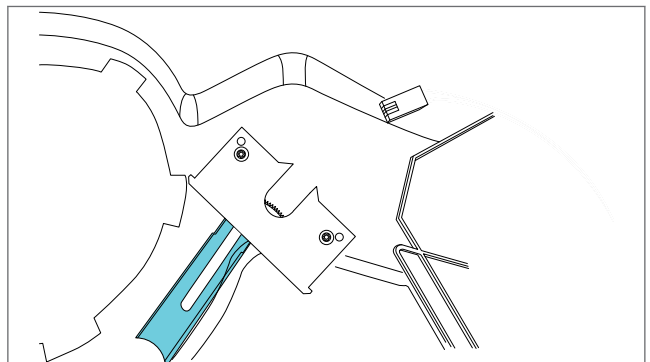
REMOVE THE VALVE COUPLER ASSEMBLY (continued)

2   Remove the stepping motor retainer.

3   Turn the top exhaust duct over, and remove the slider from the valve coupler.

4   Remove the slider from the unit.

5   With the top exhaust duct turned over, rotate the valve coupler until the tab lines up with the notch in the top exhaust duct.

6   Pull the valve coupler down out of the top exhaust duct.
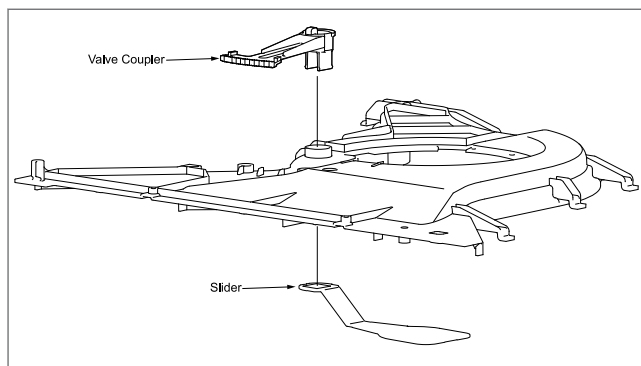
VALVE COUPLER ASSEMBLY INSTALLATION

Install the Valve Coupler Assembly

1   Install the notch in the valve coupler into the top exhaust duct.

2   Use a T-15 Torx bit to install the screws into the stepping motor retainer.

3   Install the slider onto the valve coupler.

Install the Top Exhaust Duct

1   Place the top exhaust duct tabs into the notches in the top of the unit.

2   Pull the top exhaust duct toward the front of the unit to lock the top exhaust duct tabs in place.

3   Use a T-20 Torx bit to install the screws into the top exhaust duct.

Install the Stepper Motor

1   Slide the stepper motor backward over the stepper motor retainer until the stepper motor tabs lock into place.

2   Connect the electrical connector to the stepper motor.

Install the Temperature Sensor 300C

1   Insert the temperature sensor 300C into the top exhaust duct.

2   Use a T-15 Torx bit to install the screw into the temperature sensor 300C.

3   Connect the temperature sensor 300C electrical connector to the unit relay board.

Install the Room Air Fan

1   Align the arrow on the room air fan with the open arrow on the top exhaust duct.

2   Rotate the room air fan counterclockwise until the arrow on top of the room air fan is aligned to closed on the top exhaust duct.

3   Connect the electrical connectors to the room air fan.

Install the Loudspeaker

1   Insert the tabs of the loudspeaker into the top exhaust duct.

2   Rotate the loudspeaker clockwise until the arrow on top of the loudspeaker is pointing to the front of the unit.

3   Connect the loudspeaker electrical connector to the control board.
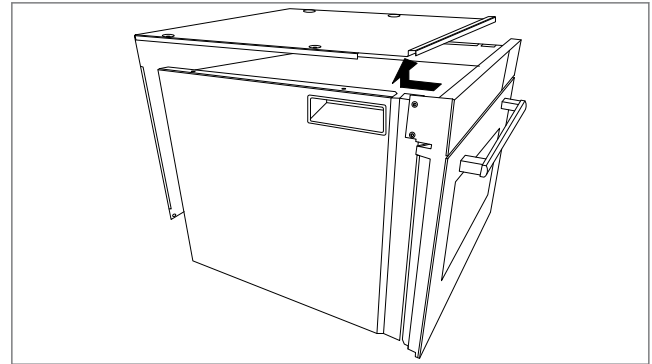
Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

Back Component Removal and Installation

BACK COMPONENT REMOVAL AND INSTALLATION

TEMPERATURE SENSOR REMOVAL

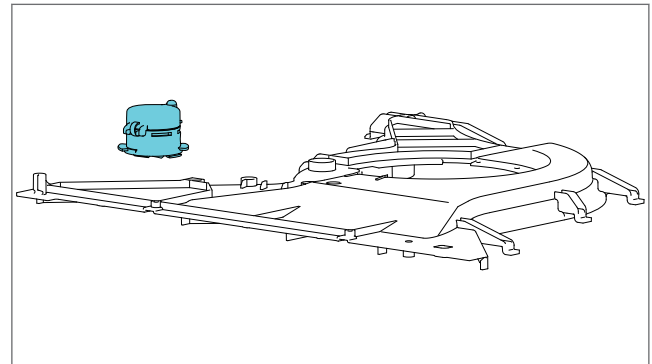To remove the temperature sensor, first remove the top plate.

Remove the Top Plate

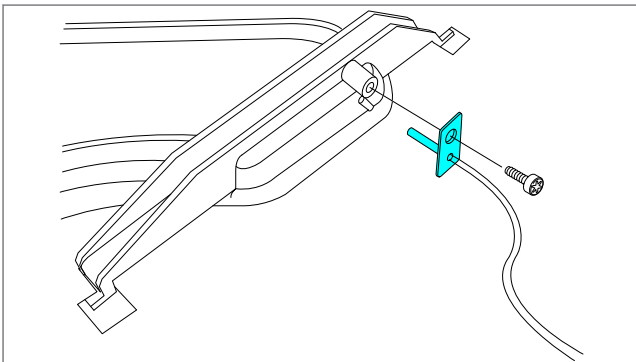1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.
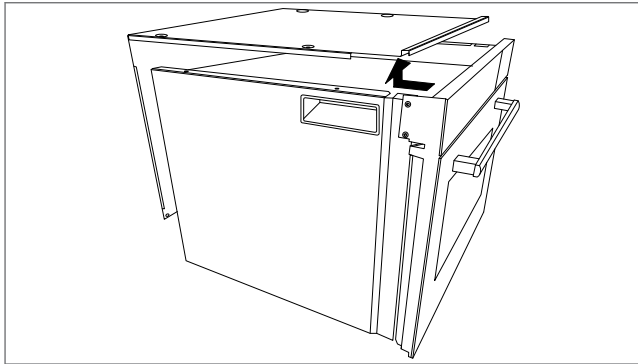
Remove the Temperature Sensor

1   Disconnect the temperature sensor electrical connector from the control board.

2   Use a T-20 Torx bit to remove the screw from the temperature sensor.

3   Remove the temperature sensor from the unit.

TEMPERATURE SENSOR INSTALLATION

Install the Temperature Sensor

1   Insert the temperature sensor into the back of the unit.

2   Use a T-20 Torx bit to install the screw into the temperature sensor.

3   Connect the temperature sensor electrical connector to the control board.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

CSO RESISTOR REMOVAL

To remove the CSO resistor, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.
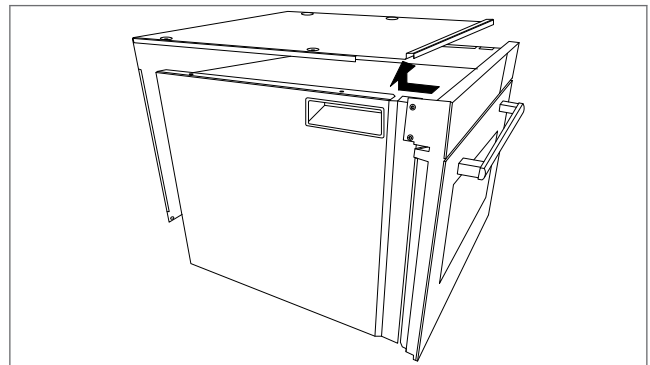
Remove the CSO Resistor

1   Disconnect the electrical connector from the CSO resistor.

2   Use a T-20 Torx bit to remove the screw from the CSO resistor.

Back Component Removal and Installation

REMOVE THE CSO RESISTOR (continued)

3   Remove the CSO resistor from the unit.
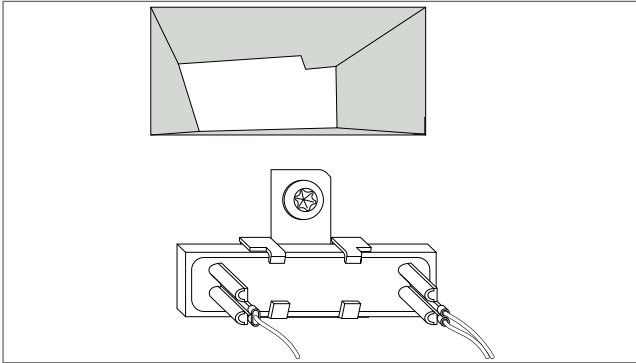
CSO RESISTOR INSTALLATION

Install the CSO Resistor

1   Place the CSO resistor onto the back of the unit.

2   Use a T-20 Torx bit to install the screw into the CSO resistor.

3   Connect the electrical connectors to the CSO resistor.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

THERMOSTAT 280C REMOVAL

To remove the thermostat 280C, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.

Remove the Thermostat 280C

1   Disconnect the electrical connectors from the thermostat 280C.

2   Use a $^9/_{32}$" socket to remove the nuts from the thermostat 280C.

3   Remove the thermostat 280C from the unit.
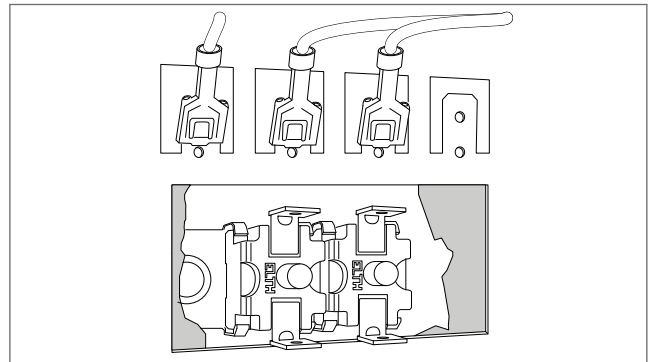
THERMOSTAT 280C INSTALLATION

Install the Thermostat 280C

1   Place the thermostat 280C onto the studs on the back of the unit.

2   Use a $^9/_{32}$" socket to install the nuts onto the thermostat 280C.

3   Connect the electrical connectors to the thermostat 280C.

Install the Top Plate

1   Place the top plate on the unit.

Back Component Removal and Installation

INSTALL THE TOP PLATE (continued)

2   Use a T-20 Torx bit to install the screws into the top plate.

POWER CORD REMOVAL

To remove the power cord, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.
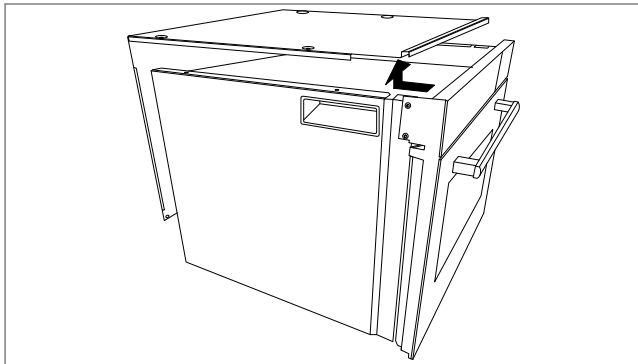
Remove the Power Cord

1   Disconnect the power cord electrical connectors from the unit relay board and the back of the unit.

2   Remove the cable protector from the power cord.

3   Compress the cable clamp and push it down out of the unit.

4   Remove the power cord from the unit.
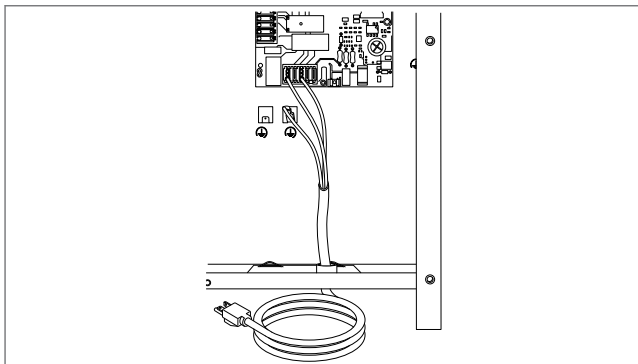
POWER CORD INSTALLATION

Install the Power Cord

1   Install the cable clamp onto the power cord.

2   Place the cable clamp and power cord in the unit.

3   Install the cable protector onto the power cord.

4   Connect the power cord electrical connectors to the unit relay board and the back of the unit.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.
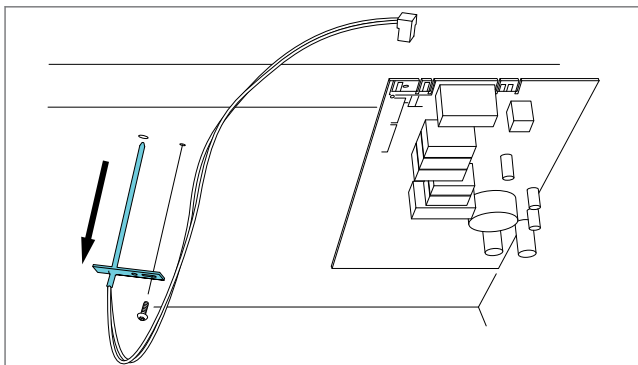
UNIT RELAY BOARD REMOVAL

To remove the unit relay board, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.

Remove the Unit Relay Board

1   Disconnect the electrical connectors from the unit relay board.

2   Open the spacers one at a time, and pull the unit relay board forward.

Back Component Removal and Installation

REMOVE THE UNIT RELAY BOARD (continued)

3   Remove the unit relay board from the unit.

2   Remove the top plate from the unit.
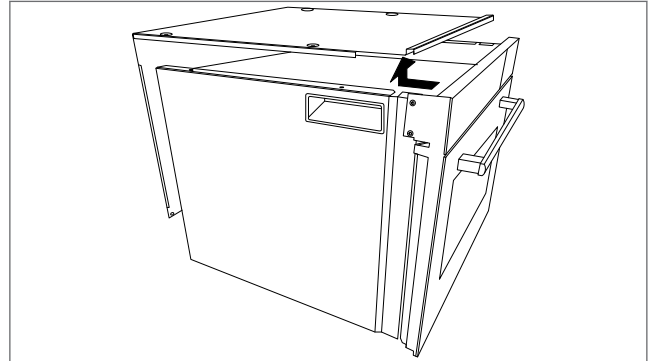
UNIT RELAY BOARD INSTALLATION

Install the Unit Relay Board

1   Place the unit relay board onto the spacers.

2   Connect the electrical connectors to the unit relay board.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

CONVECTION FAN MOTOR REMOVAL

To remove the convection fan motor, first remove the top plate, racks, rack guides, rear baffle, and the hot air fan blade .

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

Remove the Rack

Pull the rack forward out of the unit.
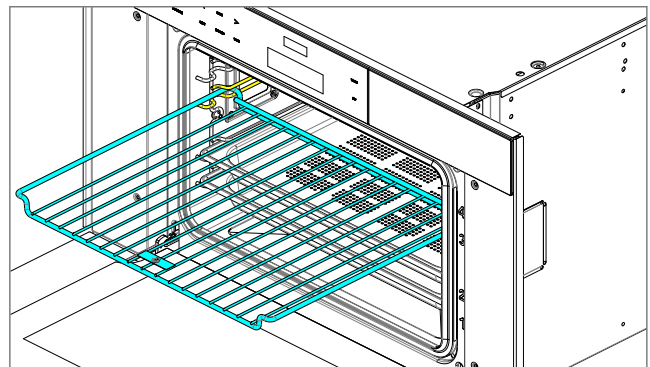
Remove the Rack Guide

1   Remove the rack guide nut.

2   Pull the front of the rack guide toward the center of the oven.

3   Pull the rack guide forward out of the unit.
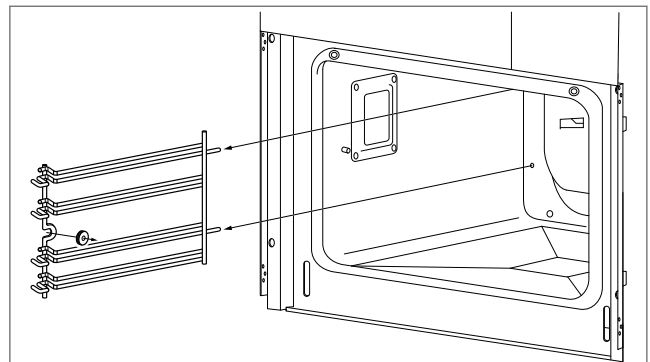
Back Component Removal and Installation

Remove the Rear Baffle

1 Use a T-20 Torx bit to remove the screws from the rear baffle.

2 Remove the rear baffle from the unit.
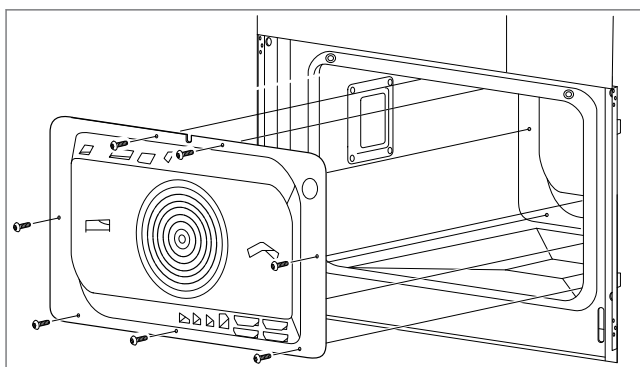
Remove the Hot Air Fan Blade

TIP: The hot air fan blade nut is reverse threaded.

1 Use a 10 mm socket to remove the nut from the hot air fan blade.

2 Remove the washer and the hot air fan blade from the unit.

3 The washer and C-clip behind the hot air fan blade does not need to be removed unless the convection fan motor is being removed.
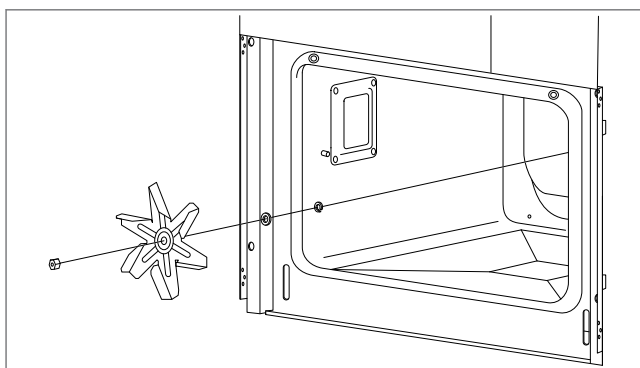
Remove the Convection Fan Motor

1 Disconnect the electrical connectors from the convection fan motor.

2 Use a T-20 Torx bit to remove the screws from the convection fan motor.

3 Remove the convection fan motor from the unit.
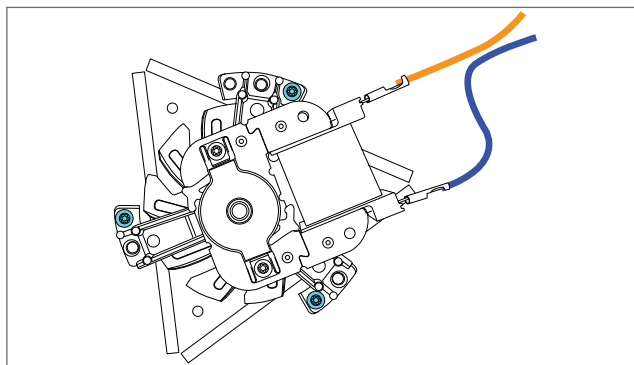
CONVECTION FAN MOTOR INSTALLATION

Install the Convection Fan Motor

1 Place the convection fan motor onto the back of the unit.

2 Use a T-20 Torx bit to install the screws into the convection fan motor.

3 Connect the electrical wires to the convection fan motor.

Install the Hot Air Fan Blade

1 Install the C-clip and washer if they were removed for replacement of the convection fan motor.

2 Install the hot air fan blade.

3 Install the washer.

TIP: The hot air fan blade nut is reverse-threaded.

4 Use a 10 mm socket to install the nut onto the hot air fan blade.

Install the Rear Baffle

1 Place the rear baffle against the back wall of the oven cavity.

2 Use a T-20 Torx bit to install the screws into the rear baffle.

Install the Rack Guide

1 Insert the rack guide rails into the rear baffle.

2 Place the indent in the rack guide over the rack guide stud.

3 Install the rack guide nut.

Install the Rack

1 Insert the rack between the rails of the rack guide.

2 Push the rack into the oven.

Install the Top Plate
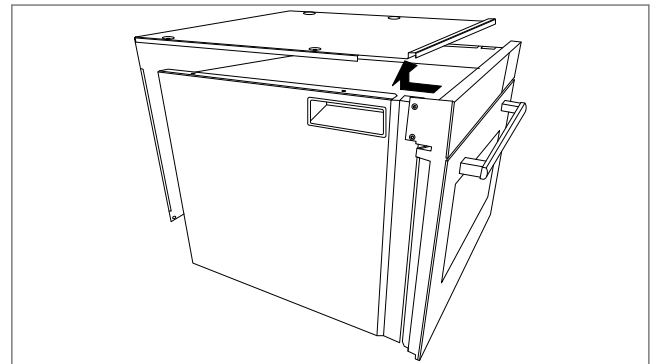
1 Place the top plate on the unit.

2 Use a T-20 Torx bit to install the screws into the top plate.

DRAIN PUMP ASSEMBLY REMOVAL

To remove the drain pump assembly, first remove the top plate.

Remove the Top Plate

1 Use a T-20 Torx bit to remove the screws from the top and back of the unit.
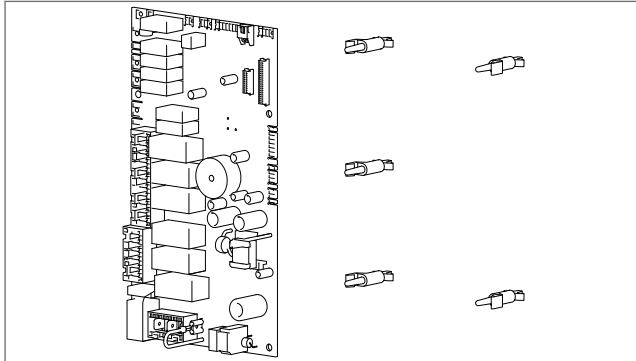
2 Remove the top plate from the unit.

Remove the Drain Pump Assembly

1 Disconnect the discharge hose to the water tank from the drain pump assembly.

2 Disconnect the suction hose from the evaporator from the drain pump assembly.

3 Use a flat-blade screwdriver to open the tabs on the drain pump retainer.

4 Remove the drain pump assembly from the drain pump retainer.

5 Disconnect the electrical connector from the drain pump assembly.

6 Remove the drain pump assembly from the unit.

DRAIN PUMP ASSEMBLY INSTALLATION

Install the Drain Pump Assembly

1 Connect the electrical connector to the drain pump assembly.

2 Insert the drain pump assembly into the drain pump retainer.

3 Connect the hose from the water tank to the drain pump assembly discharge.

4 Connect the hose from the evaporator to the drain pump suction.

Install the Top Plate

1 Place the top plate on the unit.

2 Use a T-20 Torx bit to install the screws into the top plate.

DRAIN PUMP RETAINER REMOVAL

To remove the drain pump retainer, first remove the top plate and drain pump assembly.

Remove the Top Plate

1 Use a T-20 Torx bit to remove the screws from the top and back of the unit.

Back Component Removal and Installation

REMOVE THE TOP PLATE (continued)

2   Remove the top plate from the unit.

Remove the Drain Pump Assembly

1   Disconnect the discharge hose to the water tank from the drain pump assembly.

2   Disconnect the suction hose from the evaporator from the drain pump assembly.

3   Use a flat-blade screwdriver to open the tabs on the drain pump retainer.

4   Remove the drain pump assembly from the drain pump retainer.

5   Disconnect the electrical connector from the drain pump assembly.

6   Remove the drain pump assembly from the unit.

Remove the Drain Pump Retainer

1   Use a flat-blade screwdriver to separate the absorbers from the drain pump retainer.

2   Remove the drain pump retainer from the unit.

DRAIN PUMP RETAINER INSTALLATION

Install the Drain Pump Retainer

1   Place the drain pump retainer onto the absorbers.

2   Pull the absorber nipple through the holes in the drain pump retainer.

Install the Drain Pump Assembly

1   Connect the electrical connector to the drain pump assembly.

2   Insert the drain pump assembly into the drain pump retainer.

3   Connect the hose from the water tank to the drain pump assembly discharge.

4   Connect the hose from the evaporator to the drain pump suction.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

EVAPORATOR REMOVAL

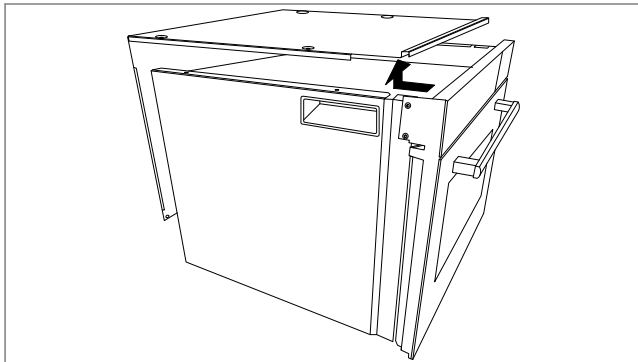To remove the evaporator, first remove the top plate.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.

Remove the Evaporator

1   Disconnect the hose that goes to the drain pump suction.

2   Disconnect the condenser water nozzle from the evaporator.

3   Disconnect the electrical connectors to the evaporator.

4   Disconnect the electrical connector to the level measure pin.

5   Disconnect the electrical connector to the temperature sensor.

6   Use a flat-blade screwdriver to press in the tab above the evaporator.

7   Lift the evaporator from the retaining brackets.

8   Remove the evaporator from the unit.

EVAPORATOR INSTALLATION

Install the Evaporator

1   Connect the electrical connector to the temperature sensor.

2   Insert the evaporator into the retaining tabs on the unit.

3   Use a flat-blade screwdriver to pry out the tab over the evaporator.

4   Connect the condenser water nozzle to the evaporator.

5   Connect the hose from the evaporator to the drain pump suction.

6   Connect the electrical connector to the level measure pin.

7   Connect the electrical connectors to the evaporator.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

LEVEL MEASURE PIN REMOVAL

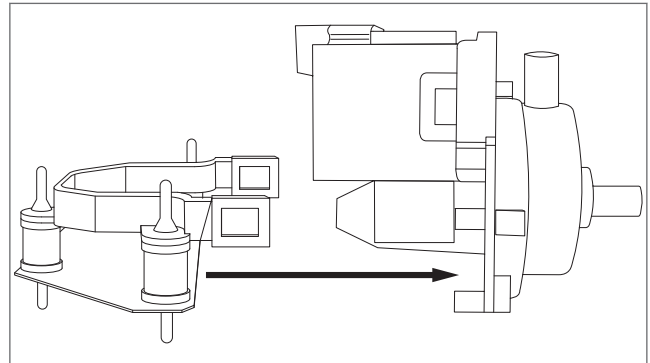To remove the level measure pin, first remove the top plate and evaporator.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

2   Remove the top plate from the unit.

Remove the Evaporator

1   Disconnect the hose that goes to the drain pump suction.

2   Disconnect the condenser water nozzle from the evaporator.

3   Disconnect the electrical connectors to the evaporator.

4   Disconnect the electrical connector to the level measure pin.

REMOVE THE EVAPORATOR (continued)

5   Disconnect the electrical connector to the temperature sensor.

6   Use a flat-blade screwdriver to press in the tab above the evaporator.

7   Lift the evaporator from the retaining brackets.

8   Remove the evaporator from the unit.

Remove the Level Measure Pin

TIP: Do not replace the level measure pin without a new pin tube.

1   Disconnect the electrical connectors to the level measure pin.

2   Pull the level measure pin out of the pin tube.

3   Use a flat-blade screwdriver to pry the pin tube from the evaporator.

4   Remove the level measure pin and pin tube from the unit.

LEVEL MEASURE PIN INSTALLATION

Install the Level Measure Pin

1   Insert the level measure pin into the pin tube.

2   Insert the level measure pin and pin tube into the evaporator.

3   Connect the electrical connector to the level measure pin.

Install the Evaporator

1   Connect the electrical connector to the temperature sensor.

2   Insert the evaporator into the retaining tabs on the unit.

3   Use a flat-blade screwdriver to pry out the tab over the evaporator.

4   Connect the condenser water nozzle to the evaporator.

5   Connect the hose from the evaporator to the drain pump suction.

6   Connect the electrical connector to the level measure pin.

7   Connect the electrical connectors to the evaporator.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

TEMPERATURE SENSOR 100C REMOVAL

To remove the temperature sensor 100C, first remove the top plate and evaporator.

Remove the Top Plate

1   Use a T-20 Torx bit to remove the screws from the top and back of the unit.

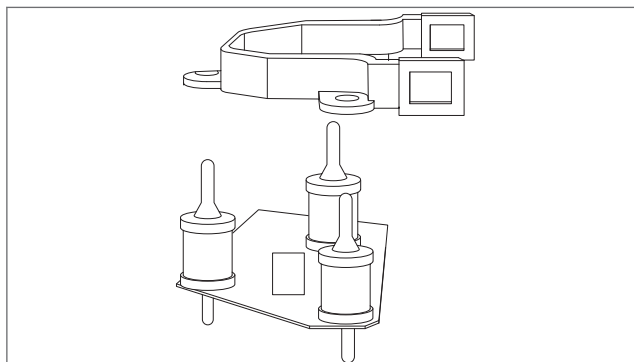2   Remove the top plate from the unit.

Back Component Removal and Installation

Remove the Evaporator

1   Disconnect the hose that goes to the drain pump suction.

2   Disconnect the condenser water nozzle from the evaporator.

3   Disconnect the electrical connectors to the evaporator.

4   Disconnect the electrical connector to the level measure pin.

5   Disconnect the electrical connector to the temperature sensor.

6   Use a flat-blade screwdriver to press in the tab above the evaporator.

7   Lift the evaporator from the retaining brackets.

8   Remove the evaporator from the unit.
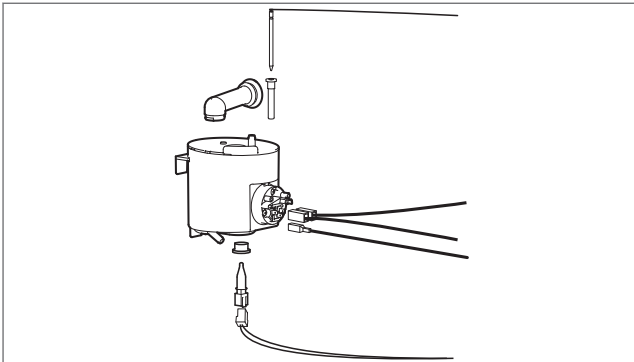
Remove the Temperature Sensor 100C

TIP: Do not replace the temperature sensor 100C without a new grommet.

1   Disconnect the electrical connectors to the temperature sensor 100C.

2   Pull the temperature sensor 100C out of the grommet.

3   Use a flat-blade screwdriver to pry the grommet from the evaporator.

4   Remove the temperature sensor 100C and grommet from the unit.
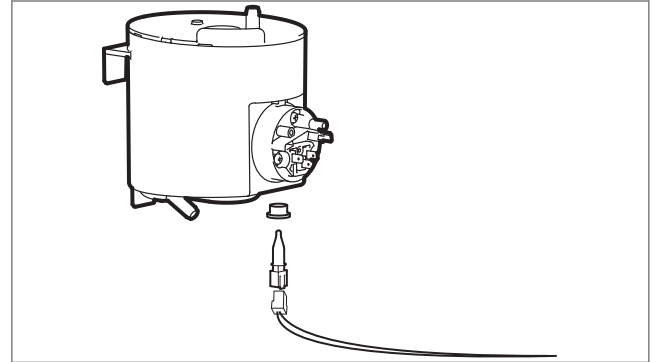
TEMPERATURE SENSOR 100C INSTALLATION

Install the Temperature Sensor 100C

1   Insert the grommet into the evaporator.

2   Insert the temperature sensor 100C through the grommet into the evaporator.

3   Connect the electrical connector to the temperature sensor 100C.

Install the Evaporator

1   Connect the electrical connector to the temperature sensor.

2   Insert the evaporator into the retaining tabs on the unit.

3   Use a flat-blade screwdriver to pry out the tab over the evaporator.

4   Connect the condenser water nozzle to the evaporator.

5   Connect the hose from the evaporator to the drain pump suction.

6   Connect the electrical connector to the level measure pin.

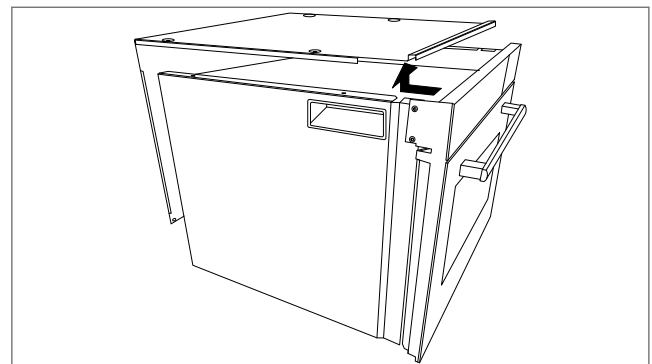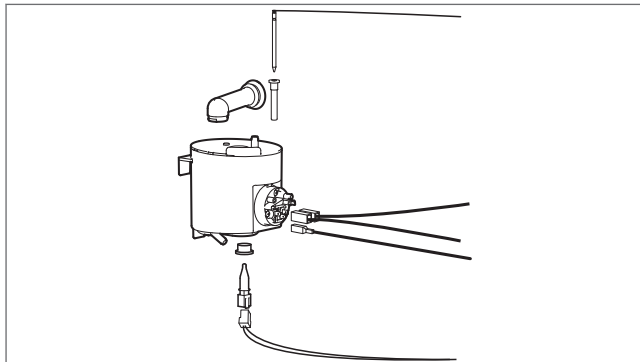7   Connect the electrical connectors to the evaporator.

Install the Top Plate

1   Place the top plate on the unit.

2   Use a T-20 Torx bit to install the screws into the top plate.

Back Component Removal and Installation

FOOD PROBE SOCKET REMOVAL

> ⚠ **WARNING**
>
> **Turn off the power to the product before starting this procedure.**

To remove the food probe socket, first remove the racks, right-hand rack guide, and food probe cover.

Remove the Rack

Pull the rack forward out of the unit.
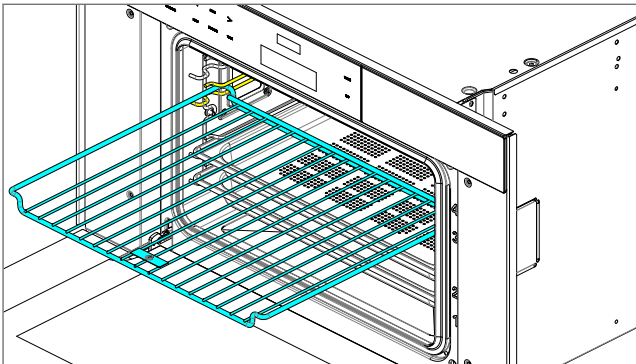
Remove the Rack Guide

1   Remove the rack guide nut.

2   Pull the front of the rack guide toward the center of the oven.

3   Pull the rack guide forward out of the unit.
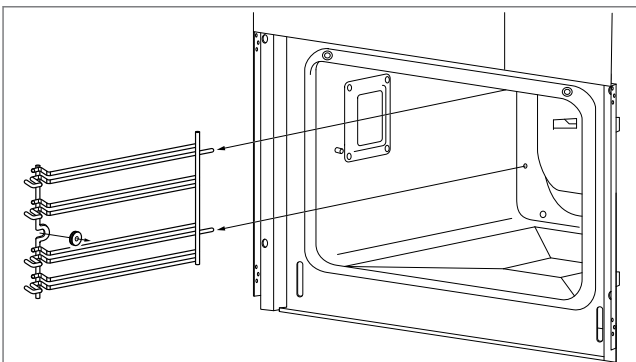
Remove the Food Probe Cover

1   Lift the food probe cover.

2   Use an 11 mm socket to remove the food probe cover nut.

3   Remove the food probe cover, nut, and food probe cover seal from the unit.
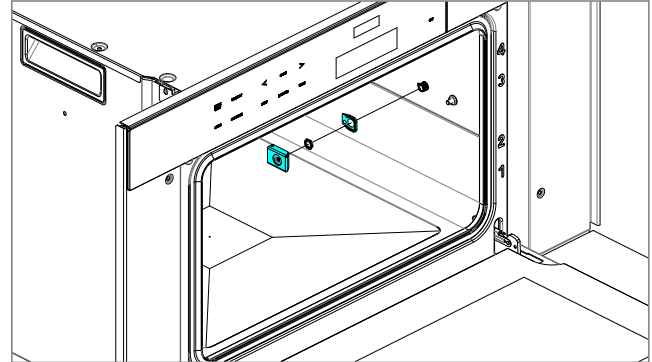
Remove the Food Probe Socket

1   Use diagonal pliers to cut across the front joints of the food probe socket cover.
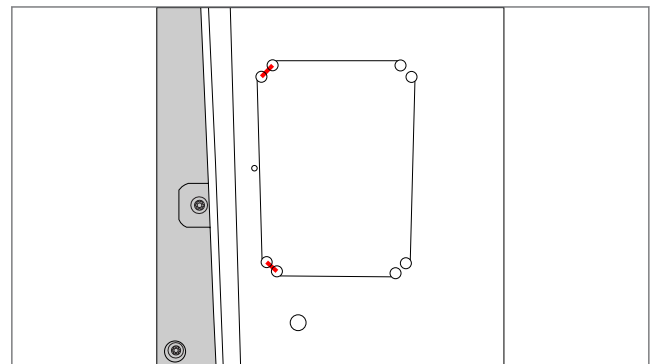
2   Lift the front of the food probe socket cover and bend it toward the back of the unit.

3   Disconnect the electrical wires from the food probe socket.

4   Remove the food probe socket from the unit.
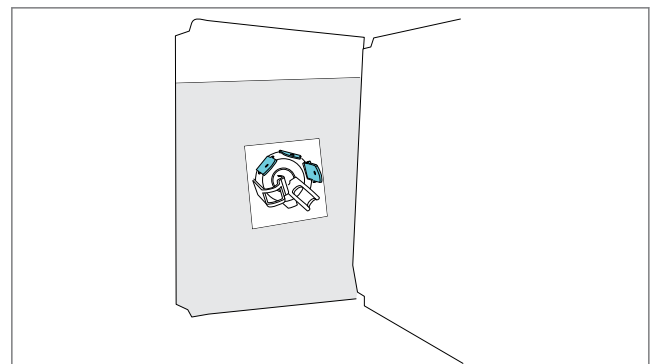
FOOD PROBE SOCKET INSTALLATION

Install the Food Probe Socket

1   Connect the electrical wires to the food probe socket.

2   Insert the food probe socket into the unit.
   a)   Place the food probe seal onto the food probe cover.
   b)   Place the food probe cover over the food probe switch threads.
   c)   Use an 11 mm socket to install the food probe nut.

3   Bend the food probe socket cover back into place.

4   Cover the food probe socket cover with aluminum tape.

Install the Food Probe Cover

1   Place the food probe seal onto the food probe cover.

2   Place the food probe cover over the food probe switch threads.

3   Use an 11 mm socket to install the food probe nut.

Install the Rack Guide

1   Insert the rack guide rails into the rear baffle.

2   Place the indent in the rack guide over the rack guide stud.

3   Install the rack guide nut.

Install the Rack

1   Insert the rack between the rails of the rack guide.

2   Push the rack into the oven.

PTC HEATER REMOVAL

> ⚠ **WARNING**
>
> **Turn off the power to the product before starting this procedure.**

Remove the PTC Heater

1   Turn the unit upside down.

2   Use diagonal pliers to cut across the front joints of the PTC heater cover.
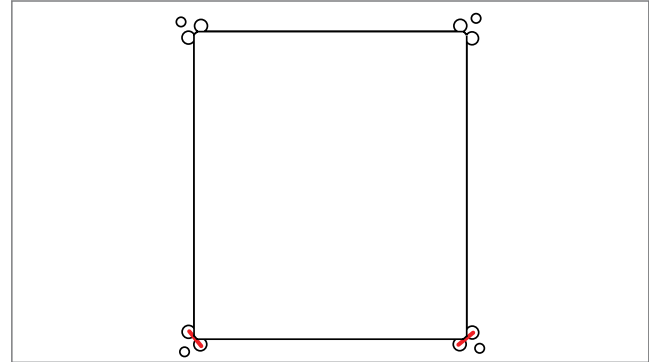
3   Lift the front of the PTC heater cover and bend it toward the back of the unit.

4   Cut the insulation out of the opening.

5   Disconnect the electrical wires from the PTC heater.

6   Use a $5/16$" socket or nut driver to remove the nut from the PTC heater.

7   Remove the PTC heater from the unit.
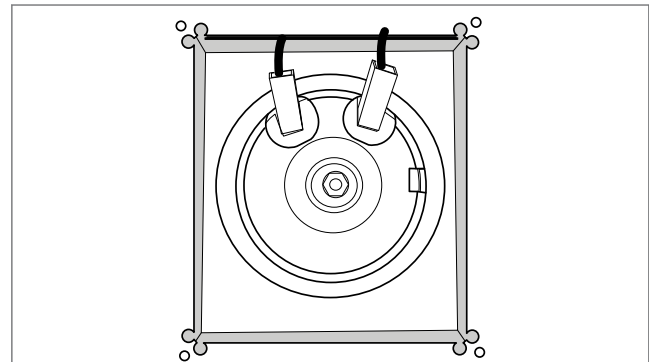
PTC HEATER INSTALLATION

Install the PTC Heater

1   Place the PTC heater into the unit.

2   Use a $5/16$" socket or nut driver to install the nut onto the PTC heater.

3   Install the insulation.

4   Bend the PTC heater cover back into place.

5   Cover the PTC heater cover with aluminum tape.

TROUBLESHOOTING GUIDE

Error Code	Error	Possible Cause	Test/Action
E1	EEPROM read error	Moisture on control board.	1. Inspect for steam leaks. 2. Replace the control board if error persists.
E2	EEPROM write error	Moisture on control board.	1. Inspect for steam leaks. 2. Replace the control board if error persists.
E3	EEPROM status error	Moisture on control board.	1. Inspect for steam leaks. 2. Replace the control board if error persists.
E4/F5	Control board MAIN-DATA invalid	Reload software error.	1. Turn the power to the unit off and then back on. 2. Replace the control board.
E5/F5	Control board MAIN-DATA incompatible	Reload process error.	1. Turn the power to the unit off and then back on. 2. Replace the control board.
E6/F5	Unit model identification invalid		1. Inspect the connector and jumper on relay board X14-8 to X14-11 for loose or broken connection. 2. Turn the power to the unit off and then back on. 3. Replace the control board and relay board.
E7/F5	Relay board MAIN-DATA invalid	Reload software error.	1. Turn the power to the unit off and then back on. 2. Replace the relay board.
E8/F5	Relay board MAIN-DATA incompatible	Reload software error.	1. Turn the power to the unit off and then back on. 2. Replace the relay board.
E9/F0	Temperature sensor short circuit	Short circuit in the temperature sensor or control board.	1. Measure the resistance of the temperature sensor. 2. Replace the control board.
E10/F0	Temperature sensor interruption	Interruption in the temperature sensor or control board.	1. Measure the resistance of the temperature sensor. 2. Replace the control board.
E11/F0	Reference cavity temperature short circuit		Replace the control board.
E12/F0	Reference cavity temperature interruption		Replace the control board.
E13/F11	Cavity temperature over temperature	Temperature sensor, relay error, or a programming issue.	1. Verify the element relay is cycling. 2. Verify the temperature sensor resistance is correct. 3. Verify the cavity temperature is exceeding the maximum temperature. 4. Replace the control board and relay board.
E14/F8	Critical relay error	Software or mechanical issue.	1. If the firmware version is 06 or lower, load relay board firmware higher than K5.22800-07. 2. The software download is faulty. Repeat the download. 3. Turn the power to the unit off and then back on. 4. Replace the relay board and control board.

Troubleshooting

Troubleshooting Guide

Error Code	Error	Possible Cause	Test/Action
E15/A1	Maximum operating time exceeded	Depending on the temperature, the cooking mode is cancelled if the unit is not being operated.	Instruct customer on operating times: Cavity temperature < 212ºF: not cancelled. Cavity temperature 212ºF - 302ºF: Cancelled in 48 hours. Cavity temperature 302ºF - 392ºF: Cancelled in 20 hours. Cavity temperature 392ºF - 572ºF: Cancelled in 10 hours. Cavity temperature > 572ºF: Cancelled in five hours.
E16/A1	Maximum hold time exceeded	An operation is put on hold if waiting for operator input. Example: door is open, or water tank needs filling.	Instruct customer on maximum hold times. The operation is cancelled if the maximum hold time is exceeded. ▪ Operating mode: One hour. ▪ Programs and recipes: Three hours.
E17/F1	Food probe temperature short circuit	Food probe, food probe socket, or wiring issue.	1. Verify that the food probe is not too hot. 2. Measure the resistance of the food probe. 3. Verify the insulation foil is not touching the socket. 4. Replace the control board.
E18/F1	Food probe temperature open circuit	Open circuit in food probe wires. Loose or broken wire or contact in food probe socket.	1. Plug in the food probe. 2. Measure the resistance on the X4 connector between X4-2 amd X4-3. 2. Replace the food probe. 3. Replace the food probe socket. 4. If error occurs during heating, replace the food probe socket. 5. Replace the control board.
E19/F28	Door lock not opening	Cavity temperature is > 572ºF. Door lock defective. Temperature sensor open circuit or interrupted.	1. Verify the cavity temperature is above 572ºF. 2. Measure resistance of the temperature sensor. 3. External TCO tripped. 4. Replace the relay board.
E20/F28	Door lock not closing	Defective door lock or relay board.	1. Replace the door lock. 2. Replace the relay board.
E25/F3	Short circuit of temperature sensor 300C		1. Measure the resistance of temperature sensor 300C. 2. Replace the temperature sensor 300C. 3. Replace the relay board.
E26/F3	Open circuit in temperature sensor 300C		1. Measure resistance of the temperature sensor 300C. 2. Replace the temperature sensor 300C. 3. Replace the relay board.
E27/F17	Over temperature in temperature sensor 300C	Temperature limit of the temperature sensor 300C exceeded.	1. Measure the resistance of the temperature sensor 300C. 2. Verify the room air fan operates at low, medium, and high temperatures.

Troubleshooting

Troubleshooting Guide

Error Code	Error	Possible Cause	Test/Action
		Excessively warm air flowing over the temperature sensor 300C during self-clean from a bad door gasket.	3. Replace the temperature sensor 300C. 4. Replace the door gasket.
E28	Descaling prompt triggered	Past problems with water system tripped a descale message.	Descale the unit.
E29/F9	Leaking steam	Slider stuck or defective. Cooking space not tight. Door not closed properly. Seal or conduit to cavity defective. Too much cold food in cavity. Maximum of 6.5 pounds of frozen food for steam modes.	1. Communicate the maximum amount of frozen food to the customer. 2. Replace the slider. 3. Inspect the door seal. 4. Inspect the door and hinges for proper closing. 5. If this error occurs with E44, replace the evaporator. 6. Inspect the connector for the temperature sensor 300C for dirt or moisture.
E30	Real-time clock (RTC) is not initialized		Replace the relay board.
E31	External RTC error		1. Replace the control board. 2. Replace the relay board.
E32	Touch button error	Moisture on control board.	1. Inspect the door seal. 2. Inspect the control board for excessive moisture. 3. Replace the control board.
E33/F12	Temperature - relay board short circuit	Excessive moisture on the relay board.	1. Inspect the relay board for excessive moisture. 2. Inspect for steam leaks. 3. Replace the relay board.
E34/F12	Temperature - relay board open circuit		Replace the relay board.
E35/F13	Temperature - relay board over temperature	Power failure during operation.	1. Remove than restore power to the unit. 2. Verify room air fan operates at low, medium, and high temperatures. 3. Inspect if installation air supply is appropriate. 4. Replace the relay board.
E36/F14	Temperature - control board short circuit		Replace the control board.
E37/F14	Temperature - control board open circuit		Replace the control board.
E38/F15	Temperature - control board over temperature	Power failure during operation.	1. Turn the power to the unit off and then back on. 2. Verify the room air fan operates at all power levels. 3. Replace the control board.
E39	LCD error	Ribbon cable at X15 is loose or connector not locked.	1. Inspect and reseat the ribbon cable at X15. 2. Replace the control board and display.
E41/F2	Short circuit evaporator		1. Inspect the temperature sensor 100C wiring.

Troubleshooting

Troubleshooting Guide

Error Code	Error	Possible Cause	Test/Action
	temperature sensor 100C		2. Replace the temperature sensor 100C.
			3. Replace the control board.
E42/F2	Open circuit evaporator temperature sensor 100C		1. Replace the temperature sensor 100C.
			2. Replace the control board.
E43/F8	Neutral relay K1 or K2 stuck	K1 or K2 relay failed self-test.	For CSO:
			1. Check the wiring to all elements.
			2. Measure the resistance of the element, PTC heater, and evaporator element.
			3. Replace the relay board.
			For SO24:
			1. Check the wiring to all elements.
			2. Measure the resistance of the bake element and the convection element.
			3. Replace the relay board.
E44/F26	Increase in water temperature is slow	Defective evaporator heater.	1. Check the resistance of the evaporator heater.
		Temperature sensor 100C temperature limiter is not resetting.	2. Check the resistance of the temperature sensor 100C.
		Defective level measure pin.	3. Replace the evaporator, temperature sensor 100C, and level measure pin.
			4. Replace the control board.
E45/F8	Actuator relay K3 stuck	Element or relay board damaged.	1. Check the resistance of the element.
			2. Check the resistance of the element to ground.
			3. Replace the relay board.
E46/F8	Actuator relay K4 stuck	Element or relay board damaged.	1. Check the resistance of the element.
			2. Check the resistance of the element to ground.
			3. Replace the relay board.
E47/F8	Actuator relay K5 stuck	Element or relay board damaged.	1. Check the resistance of the element.
			2. Check the resistance of the element to ground.
			3. Replace the relay board.
E48/F8	Actuator relay K6 stuck	Element or relay board damaged.	1. Check the resistance of the element.
			2. Check the resistance of the element to ground.
			3. Replace the relay board.
E49/F8	Actuator relay K7 stuck	Element or relay board damaged.	1. Check the resistance of the element.
			2. Check the resistance of the element to ground.
			3. Replace the relay board.
E50/F25	Moisture on the control board	Room air fan not working.	1. Check the operation of the room air fan.
		Steam leak.	2. Check the resistance of the room air fan.
			3. Check for a steam leak from the door, gasket, and exhaust duct.
			4. Replace the control board.

Troubleshooting

Troubleshooting Guide

Error Code	Error	Possible Cause	Test/Action
E51/F6	Relay calibration invalid		Replace the relay board.
E52/F10	Water tank leaking	Water valve not tight. Defective or damaged water sensing system.	1. Inspect the water valve. 2. Inspect the water tank. 3. Inspect the water sensing system. 4. Replace the control board.
E53	RTC calibration invalid		Replace the relay board.
E54/F7	Actuator, relay board locked	Error E43 to E49 acknowledged 10 times. Relay board remains blocked for safety.	1. Replace the relay board. 2. After replacing the relay board, determine the reason for error E43 to E49.
E55	Program control data invalid	Error only occurs during operation.	1. Turn the power to the unit off and then back on again. Run unit again. 2. Replace the control board.
E56	Sequence control data invalid	Error only occurs during operation.	1. Turn the power to the unit off and then back on again. Run unit again. 2. Replace the control board.
E57/U0	L1 voltage - over voltage	Voltage at L1 greater than 280 VAC for more than three seconds.	1. Problem with the power supply. 2. Moisture on the relay board. 3. Replace the relay board.
E58/U0	L2 voltage - over voltage	Voltage at L2 greater than 280 VAC for more than three seconds.	1. Problem with the power supply. 2. Moisture on the relay board. 3. Replace the relay board.
E59/U1	L1 voltage - under voltage	Voltage at L1 was between 155 VAC and 176 VAC.	1. Problem with the power supply. 2. Replace the relay board.
E60/U1	L2 voltage - under voltage	Voltage at L2 was between 155 VAC and 176 VAC or 0 VAC.	1. Problem with the power supply. 2. Replace the relay board.
E61	L1 voltage - high voltage	Voltage at L1 was between 260 VAC and 280 VAC for more than three seconds.	1. Problem with the power supply. 2. Moisture on the relay board. 3. Replace the relay board.
E62	L2 voltage - high voltage	Voltage at L2 was between 260 VAC and 280 VAC for more than three seconds.	1. Problem with the power supply. 2. Moisture on the relay board. 3. Replace the relay board.
E63	L1 voltage - low voltage	Voltage at L1 was between 176 VAC and 198 VAC for more than three seconds.	1. Problem with the power supply. 2. Moisture on the relay board. 3. Replace the relay board.
E64	L2 voltage - low voltage	Voltage at L2 was between 176 VAC and 198 VAC for more than three seconds.	1. Problem with the power supply. 2. Moisture on the relay board. 3. Replace the relay board.
E66	Thermal cutout tripped	The thermal cutout trips at 500ºF and resets automatically.	If the error is repeating: 1. Check the resistance of the thermal cutout.

Troubleshooting Guide

Error Code	Error	Possible Cause	Test/Action
			2. Replace the relay board.
E67/F16	Thermostat 280C or thermostat 160C tripped	Most often a fan or temperature sensing issue.	1. If E66 has occurred several times, update the software to baseline 77 or higher.
		Not a relay board problem without Exx/F8 or E54/F7.	2. Check the resistance of the thermostat.
			3. Check the operation of the convection fan and room air fan.
		If thermostat 280C or thermostat 160C has not tripped and E67 has happened more than once, check E66.	4. If E66 has occurred several times, replace the relay board.
E68/A1	Water tank is leaking		1. Inspect the water valve.
			2. Inspect the water sensing system.
			3. Replace the control board.
E69/F21	Water tank not initialized	Sequence errors E70, E71, and E72.	See E70, E71, or E72.
E70/F21	Water tank drive switch error	Rack and pinion blocked.	Inspect the water tank drive for blockage, wiring, and mounting.
		Switch on drive board not mounted correctly.	Replace the valve assembly.
E71/F21	Short circuit in water tank drive motor		1. Check the water tank drive motor wiring.
			2. Replace the valve assembly.
			3. Replace the relay board.
E72/F21	Open circuit in water tank drive motor		1. Check the water tank drive motor wiring.
			2. Replace the valve assembly.
			3. Replace the relay board.
E74/F22	Retractable door handle not initialized	Sequence errors E74, E75, E76, and E77.	See E74, E75, E76, or E77.
E75/F22	Retractable door handle switch	Switch on drive board defective or not mounted correctly.	1. Inspect the retractable handle drive.
			2. Replace the retractable handle drive.
E76/F22	Short circuit retractable door handle drive		1. Check the retractable door handle drive wiring.
			2. Replace the retractable door drive.
			3. Replace the relay board.
E77/F22	Open circuit retractable door handle drive		1. Check the retractable door handle drive wiring.
			2. Replace the retractable door drive.
			3. Replace the relay board.
E78/F24	Sump pumping off error		Not applicable to Wolf products.
E79/F27	Water inlet is not tight		Not applicable to Wolf products.
E80	Feed tank is not tight		Not applicable to Wolf products.
E81/F23	Evaporator draining error	Level measure pin not sensing the correct level for the following reasons:	1. Descale the unit.
			2. Manually drain the evaporator.
			3. Measure the resistance of the drain pump and valve evaporator.

Troubleshooting

Troubleshooting Guide

Error Code	Error	Possible Cause	Test/Action
		Faulty level measure pin.	4. Check for a short circuit to the drain pump or valve evaporator.
		The evaporator is heavily scaled.	5. Replace the level measure pin.
		The evaporator is filled with descaler.	6. Replace the relay board.
			7. Replace the control board.
		The valve evaporator is defective.	
		The drain pump is defective.	
		A short circuit in the drain pump or level measure pin wiring.	
E82/F10	Water leak in sump		Not applicable to Wolf products.
E84	Slider not initialized	Sequence errors E85, E86, and E87.	See E85, E86, or E87.
E85/F4	Short circuit in stepper motor		1. Inspect the stepper motor wiring.
			2. Measure the resistance of the stepper motor.
			3. Replace the stepper motor.
			4. Replace the relay board.
E86/F4	Open circuit in the stepper motor		1. Inspect the stepper motor wiring.
			2. Measure the resistance of the stepper motor.
			3. Replace the stepper motor.
			4. Replace the relay board.
E87/F4	Slider is blocked	Path of slider is restricted during normal operation.	1. Slider is blocked with grease.
			2. Slider mechanism is too tight. Replace the slider.
E88	Slider in stop position	Path of slider is restricted during normal operation.	1. Slider is blocked with grease.
			2. Slider mechanism is too tight. Replace the slider.
E89/F18	Communication interruption - inverter		Not applicable to Wolf products.
E90/F18	Inverter heat sink temperature defective		Not applicable to Wolf products.
E91/F18	Temperature measurement of magnetron defective		Not applicable to Wolf products.
E92/F18	Magnetron heating coil defective		Not applicable to Wolf products.
E93/F18	Anode distance microwave system defective		Not applicable to Wolf products.
E94/F18	Inverter hardware defective		Not applicable to Wolf products.
E95/F18	Insufficient cooling of magnetron		Not applicable to Wolf products.
E97	Operating system: Watchdog control board		Replace the control board.
E98	Operating system: Watchdog relay board		Replace the relay board.
E99	Operating system: ASSERT control board	Moisture on control board.	1. Inspect the control board for moisture.

Troubleshooting Guide

Error Code	Error	Possible Cause	Test/Action
			2. Replace the control board if the error continues.
E100	Operating system: ASSERT relay board	Moisture on relay board.	1. Inspect the relay board for moisture.
			2. Replace the relay board if the error continues.
E101/F30	No communication with control board		1. Inspect the connection between the relay board and control board.
			2. Replace the control board.
			3. Replace the relay board.
E102/F30	No communication with relay board		1. Inspect the connection between the relay board and control board.
			2. Replace the relay board.
			3. Replace the control board.
E103/F31	Operating system: Communication between relay board and control board is incompatible	Software version of relay board and control board incompatible.	1. Reload the software.
			2. Replace the control board and relay board.
E104/F31	Operating system: CORE incompatible		Reload software.
E105	Operating system: NVRAM-FLASH-PAGE write error	Moisture on control board.	1. Inspect the control board for moisture.
			2. Replace the control board if the error continues.
E106	Operating system: NVRAM-FLASH-PAGE delete error	Moisture on control board.	1. Inspect the control board for moisture.
			2. Replace the control board if the error continues.
E107	Operating system: NVRAM-FLASH structure data error	Moisture on control board.	1. Inspect the control board for moisture.
			2. Replace the control board if the error continues.
E108	Operating system: NVRAM-FLASH checksum data error	Moisture on control board.	1. Inspect the control board for moisture.
			2. Replace the control board if the error continues.
E109	Operating system: NVRAM fatal read error	Moisture on control board.	1. Inspect the control board for moisture.
			2. Replace the control board if the error continues.
E110	Operating system: CORE maximum SYNCH_DURATION	Moisture on control board.	1. Inspect the control board for moisture.
			2. Replace the control board if the error continues.
E111/F5	Operating system: Control board checksum error		1. Reload software.
			2. Replace the control board.
E112/F5	Operating system: Relay board checksum error		1. Reload software.
			2. Replace the relay board.
E113	Operating system: Control board kernel stack overflow		Replace the control board.
E114	Operating system: Relay board kernel stack error		Replace the relay board.
E115/F29	Door lock not initialized		1. Check the wiring.
			2. Replace the relay board.
E116	Door lock switch		1. Check the wiring.

Error Code	Error	Possible Cause	Test/Action
			2. Replace the relay board.
E117/F29	Short circuit door lock motor		1. Check the wiring. 2. Replace the relay board.
E118/F29	Open circuit door lock motor		1. Check the wiring. 2. Replace the relay board.
E119/F5	External firmware error		1. Reload the software. 2. Replace the control board.
E120/F5	SOUNDLIBRARY error		1. Reload the software. 2. Replace the control board.
E121/F5	PICTURELIBRARY error		1. Reload the software. 2. Replace the control board.
E122/F5	TEXTLIBRARY error		1. Reload the software. 2. Replace the control board.
E123/F5	FONTLIBRARY error		1. Reload the software. 2. Replace the control board.
E124/F5	MODELCONFIGLIBRARY error		1. Reload the software. 2. Replace the control board.
E125/F5	PRESENTATIONLIBRARY error		1. Reload the software. 2. Replace the control board.
E131/F5	FACTORYSETTINGLIBRARY error		1. Reload the software. 2. Replace the control board.
E132/F5	EAYCOOK data invalid		1. Reload the software. 2. Replace the control board.
E133/F32	Calibration value water level measurement error		Replace the control board.
E136/F16	Thermostat 160C defective		Replace the thermostat 160C.
E137/F16	Actuator defective	High resistance to element, bake element, broil element, or evaporator element.	1. Check all the element wiring. 2. Check the resistance of all elements.

Technical Data

TECHNICAL DATA

CONVECTION STEAM OVEN TECHNICAL DATA

TIP: All resistance measurements were performed with the part disconnected from the unit and the unit at room temperature.

TIP: Resistance reading can vary ±10%.

CONVECTION STEAM OVEN	
Data Point	Value
Element	22 Ω, 230 VAC
Convection Fan Motor	70 Ω, 230 VAC
Room Air Fan Motor	310 Ω, 230 VAC
PTC Heater Measured at X17-1,2	310 Ω
Water Tank Drive Motor	140 Ω
Drain Pump	88 Ω
Stepper Motor Measured at X10-1,2	88 Ω
Temperature Sensor	1090 Ω
Loudspeaker	7 Ω
Temperature Sensor 300C	255 kΩ
Evaporator Heater	40 Ω, 230 VAC
Temperature Sensor 100C Measured at X5-6,7	110 kΩ
Door Switch	Door Open - Open Door Closed - 0Ω
CSO Resistor	1500 Ω
Thermostat 280C	0 Ω Either Side
Halogen Lighting	165 Ω
Water Valve	8.7 MΩ
Food Probe	55 kΩ

CSO WIRING DIAGRAM (SWS #13543126)

**WIRE DIAGRAM:
MODEL CSO & ICBCSO (SWS #13543126)**