

COMPONENT ACCESS AND REMOVAL

This section explains how to access and remove components from a Wolf wall oven. Depending on which component you are going to access or remove in the following sections, you may have to remove other components first. Refer to the appropriate section in this manual that explains how to access and remove those various components. When reassembling, just reverse the steps that were used to access and remove the components.

NOTE: Before attempting to access or remove any components from a Wolf appliance, take note of the **WARNINGS** and **CAUTIONS** below.

WARNING

TO AVOID ELECTRIC SHOCK, POWER TO THE UNIT MUST BE DISCONNECTED WHENEVER SERVICING AND/OR ACCESSING COMPONENTS.

KEEP IN MIND THAT OVEN SURFACES AND COMPONENTS GET HOT DURING USE OF THE APPLIANCE.

IF IT IS NECESSARY TO REMOVE A UNIT FROM ITS INSTALLATION, REMEMBER THAT THE UNIT COULD TIP FORWARD WHEN PULLED BEYOND ITS INSTALLATION, RESULTING IN SERIOUS INJURY OR DEATH. PULLING A UNIT FROM ITS INSTALLATION SHOULD ONLY BE PERFORMED BY AN AUTHORIZED SERVICE TECHNICIAN OR INSTALLER.

CAUTION

When working on the oven and components, be careful when handling sheet metal parts. There may be sharp edges present.

If removing or disconnecting the door hinges, remember it could recoil quickly when released.

CONTROL PANEL COMPONENTS:

⚠ WARNING

TURN OFF THE ELECTRICAL POWER GOING TO THE OVEN BEFORE SERVICING.

IN ORDER TO REMOVE THE CONTROL PANEL AND COMPONENTS BEHIND IT, THE OVEN WILL HAVE TO BE PULLED OUT APPROXIMATELY 12 INCHES FROM ITS INSTALLATION AND THE FRONT OVEN TOP PANEL WILL NEED TO BE REMOVED.

Control Panel Assembly Removal

Unplug the control panel flex strip from the oven controller. Extract the screws that secure the right side control panel mounting plate and remove the plate. (See Figure 4-1).

Now, slide the control panel assembly with flex strip out from the c-channels. (See Figure 4-2).

NOTE: Make sure you don't lose the plastic flange bearings located on each end of the control panel assembly.

Control Panel Drive Motor Assembly Removal

Unplug the wire harness connector for the drive motor from the stepper motor control board. Now, extract the screws that secure the drive motor assembly to the c-channels. (See Figure 4-3). Now, slide the drive motor assembly from the unit. (See Figure 4-4).

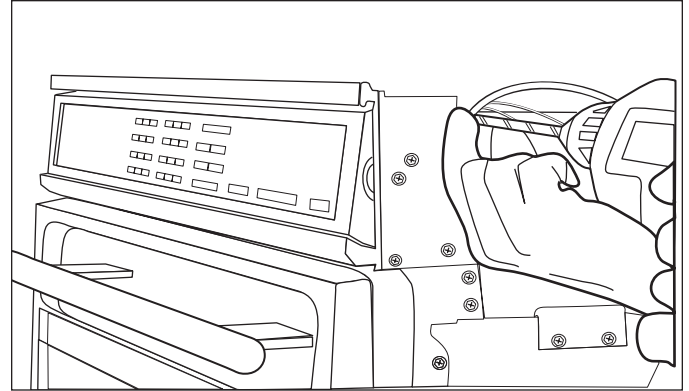


Figure 4-1. Control Panel Removal.

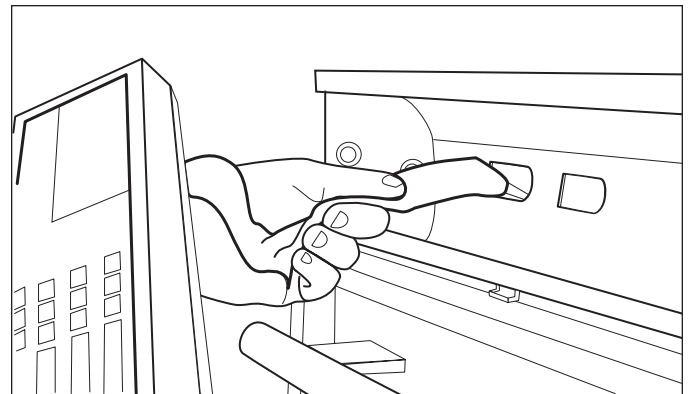


Figure 4-2. Control Panel Removal.

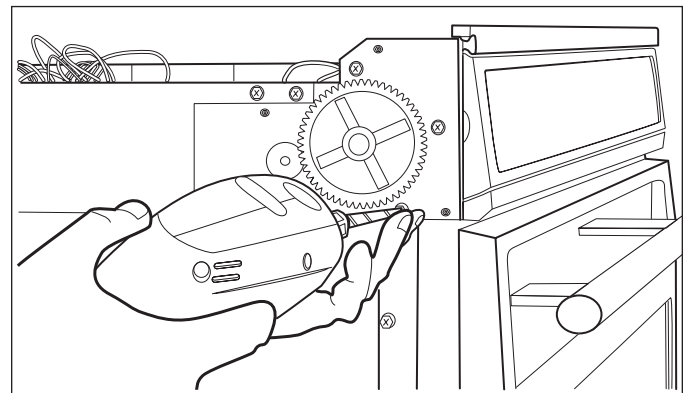


Figure 4-3. Control Panel Drive Motor Removal.

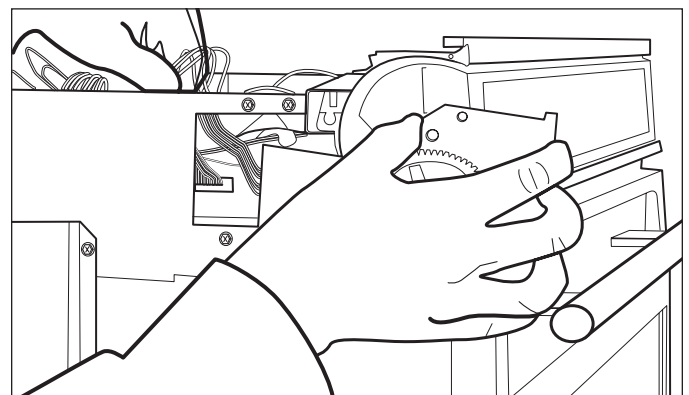


Figure 4-4. Control Panel Drive Motor Removal.

C-Channel Top and Bottom Removal

Unplug the switch actuator wire harness connector from the stepper motor control board and pull the wire harness out from its routing. Next, extract the screws that secure the c-channels to the mounting bracket.

(See Figure 4-5). Now, tilt the c-channels down slightly and lift off the mounting pins and remove from the unit. (See Figure 4-6). Now, you can separate the top and bottom c-channel by sliding the two apart.

Switch Actuator and Plunger Removal

The switch actuator and plunger is mounted to the bottom c-channel. Once the c-channels have been removed, extract the two screws from the switch actuator bracket and remove. (See Figure 4-7). Now, slide the plunger out from the c-channel. (See Figure 4-8).

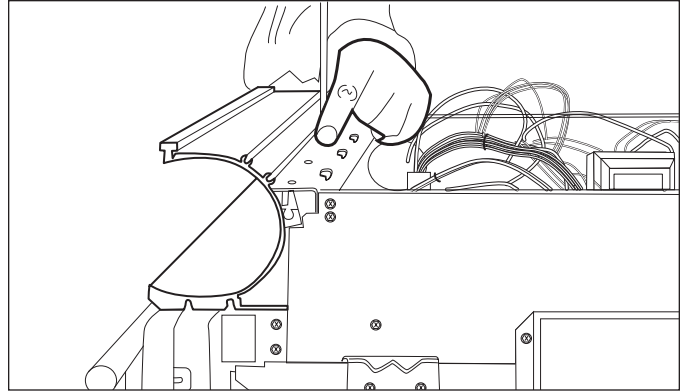


Figure 4-5. C-Channel Top and Bottom Removal.

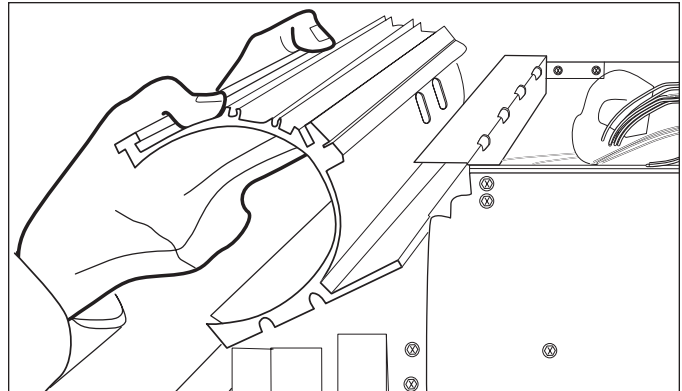


Figure 4-6. C-Channel Top and Bottom Removal.

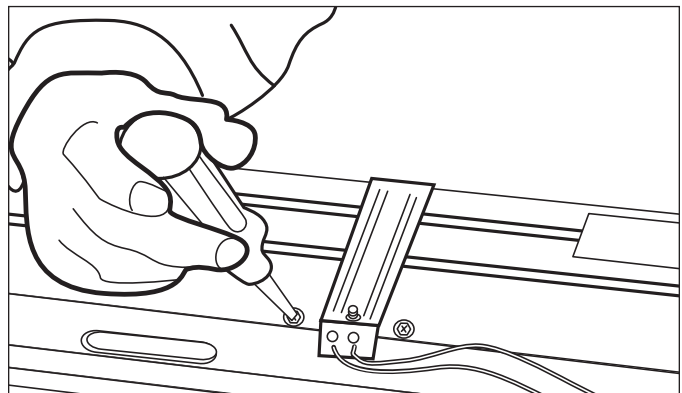


Figure 4-7. Switch Actuator Removal.

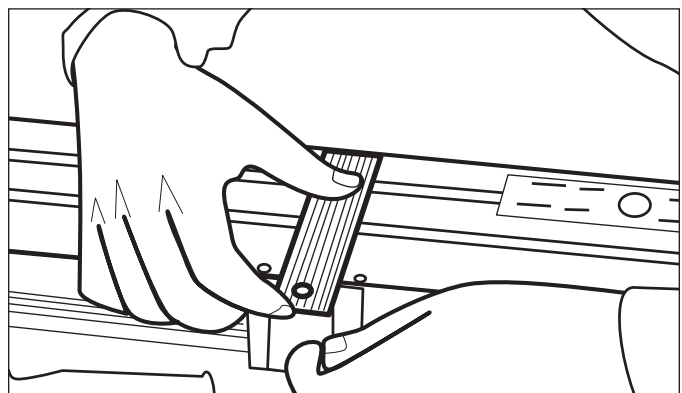


Figure 4-8. Switch Actuator Plunger Removal.

COMPONENTS BEHIND CONTROL PANEL:

⚠ WARNING

TURN OFF THE ELECTRICAL POWER GOING TO THE OVEN BEFORE SERVICING.

IN ORDER TO REMOVE THE CONTROL PANEL AND COMPONENTS BEHIND IT, THE OVEN WILL HAVE TO BE PULLED OUT APPROXIMATELY 12 INCHES FROM ITS INSTALLATION AND THE FRONT OVEN TOP PANEL WILL NEED TO BE REMOVED.

Latch Cover Removal

Extract the two screws that mount the latch cover to the mounting plate. (See Figure 4-9). Now, lift latch cover from unit.

Motorized Door Latch Assembly Removal

Begin by opening the oven door. Extract the screws and remove the face plate. Now, extract the two screws that secure the latch assembly to the mounting bracket (located just below the control panel). (See Figure 4-10). Now, lift the rear of the latch assembly up from the mounting slots. Then, slide the latch assembly out so you can unplug the wires from the micro switches and lock motor. (See Figure 4-11).

NOTE: Lower Oven MDL on units after 17080033 are spaced back 1/8" by the use of washers installed between MDL and middle pan tabs.

Thermal Limiter Removal

NOTE: Double Oven lower

To remove the limit switch you need to remove the center trim and latch assembly. Extract the two screws that secure the limit switch. Lift the limit switch out and disconnect the wires.

NOTE: Access and removal of limit switch can also be gained from the rear of the unit by removing the lower cooling fan assembly. This is the recommended procedure.

Thermo Limiter Removal

NOTE: Single Oven & Double oven upper cavity

The thermo limiter is mounted on the back panel above the left convection fan. To remove the thermo limit, remove unit from its installation, Then disconnect the wiring to the limit and remove. (See Figure 4-12)

NOTE: The thermo limiter can be reset if it trips. If the thermo limiter has been tripped, you can reset it by removing the convection baffle and left convection fan from the oven cavity in a single oven or upper cavity in a double oven. Reach through the left convection fan opening. Limiter is located directly above the opening and to the right. You can now reset the limit.

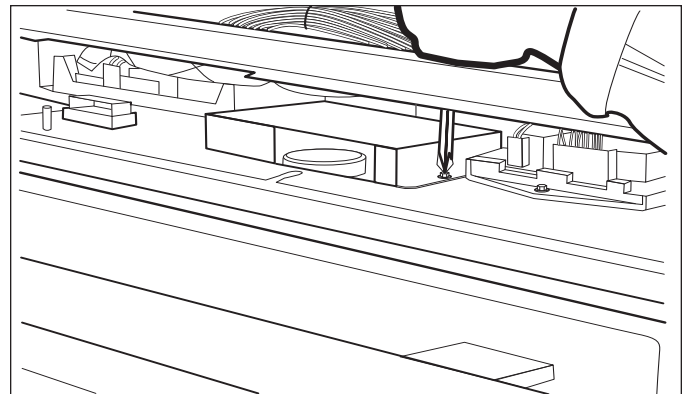


Figure 4-9. Latch Cover Removal.

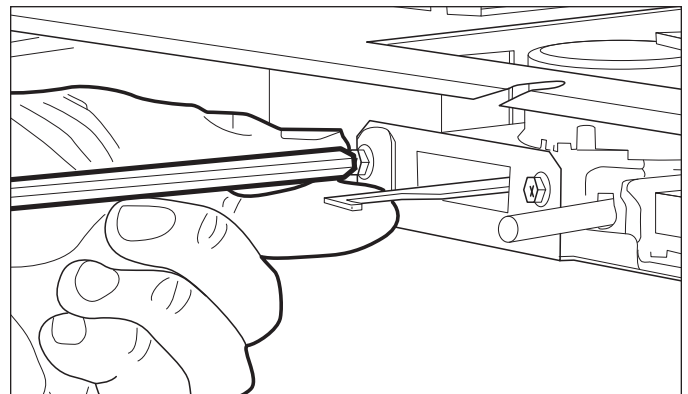


Figure 4-10. Motorized Door Latch Removal.

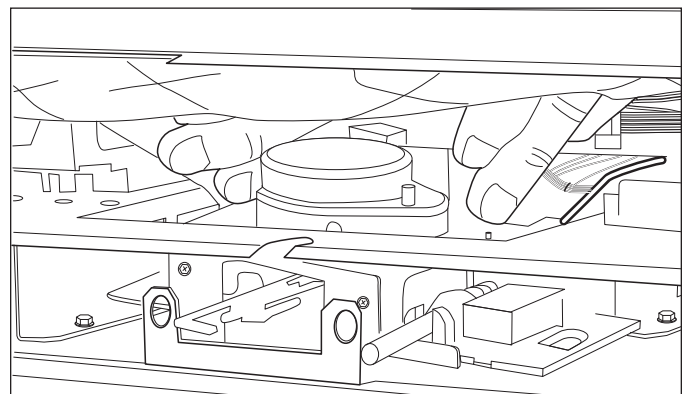


Figure 4-11. Motorized Door Latch Removal.

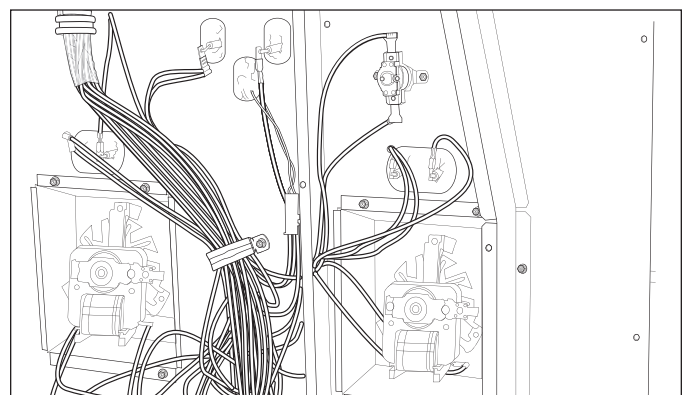


Figure 4-12. Limit Switch Removal.

Oven Controller Removal

The oven control board is located next to the control panel drive motor assembly. Remove all wire connectors mounted to the control board.

NOTE: You may want to mark the wire connectors to ensure their proper location when reattaching to the board.

Now, extract the four screws that secure the control board and lift out. (See Figure 4-13).

Stepper Motor Control Board Removal

Extract the screws that secure the oven control board to the mounting plate. (See Figure 4-14). Now, lift the board up slightly (where the screw was located) and slide the board towards the center unit. Doing this will release the board mounting tabs from the mounting plate. Next, remove all of the wire connectors from the board and remove. (See Figure 4-15).

NOTE: You may want to mark the location of the wiring to ensure proper placement when reassembling.

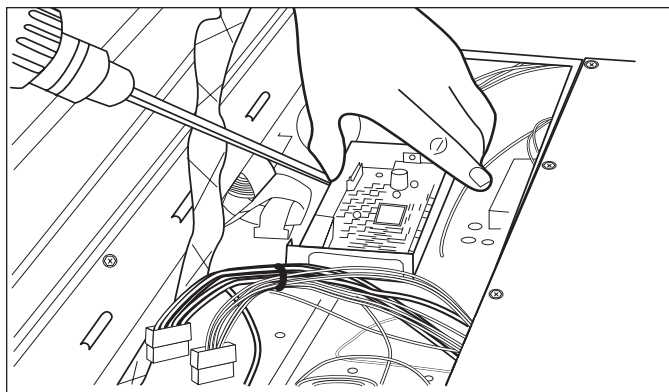


Figure 4-13. Oven Control Board Removal.

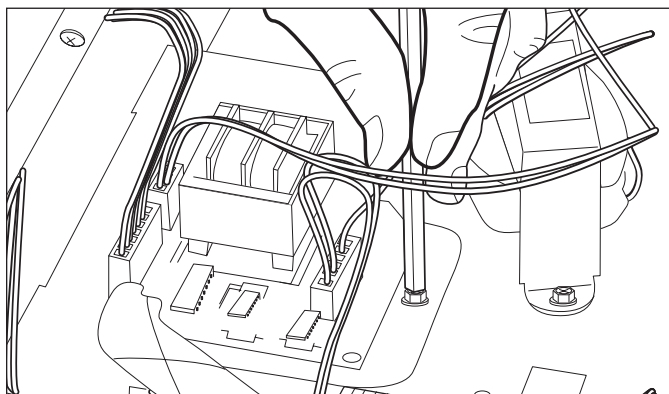


Figure 4-14. Stepper Motor Screw Removal>

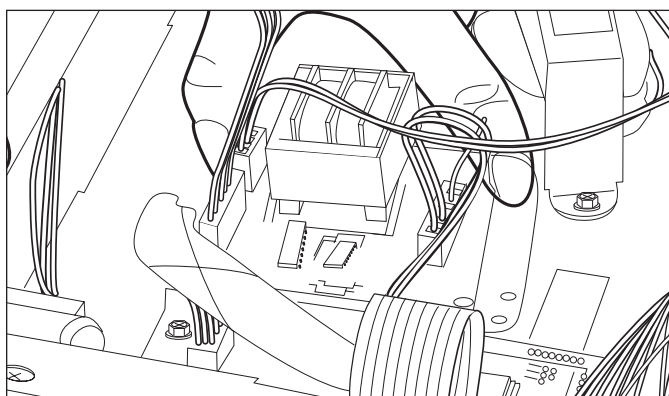


Figure 4-15. Stepper Motor Removal.

Relay Board Removal

Extract the screw located at the front of the relay board. (See Figure 4-16). Then, lift the front of the relay board up slightly and slide the relay board towards the front of the unit. This will disengage the tabs of the relay mounting bracket from the mounting plate. (See Figure 4-17).

NOTE: If working on a double oven, you may have to remove both relay boards to have enough room to disconnect the wiring.

Now, disconnect the wiring from the relay board and remove.

NOTE: The rear top oven panel will also need to be removed for access to the following components.

⚠ WARNING

IN ORDER TO REMOVE THE FOLLOWING COMPONENTS, THE ENTIRE OVEN WILL HAVE TO BE REMOVED FROM ITS INSTALLATION.

Light Transformer Removal (only units prior to SN 17077137 have a light transformer)

Disconnect the wiring for the transformer at the molex connectors. Now, extract the two screws that secure the transformer to the mounting plate and lift out from unit. (See Figure 4-18).

Light Fuse Removal (only units prior to SN 17077137 have a light fuse)

The light fuse is located just behind the molex connector for the light transformer. To remove, push and turn the fuse holder together and separate the two halves of the fuse holder. Now, remove the fuse from the fuse holder. (See Figure 4-19).

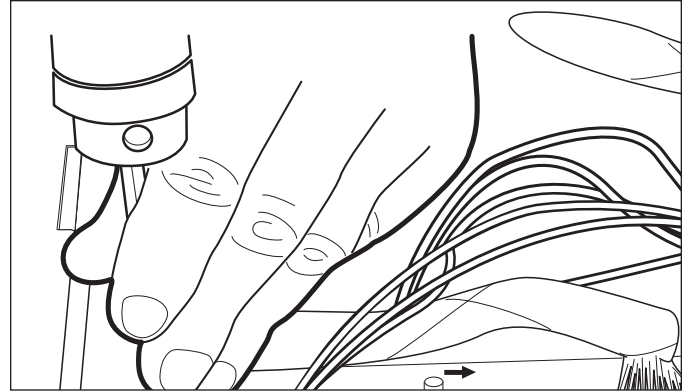


Figure 4-16. Relay Board Removal.

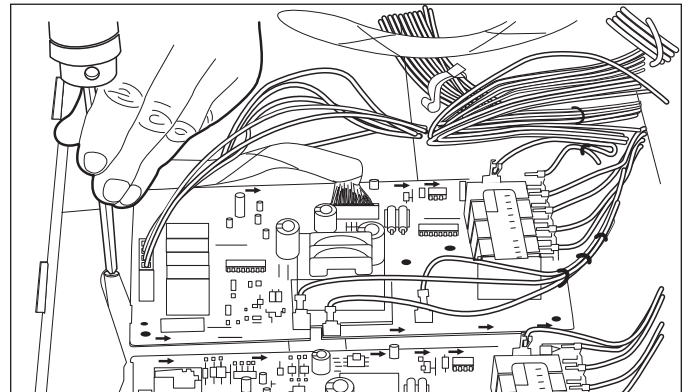


Figure 4-17. Relay Board Removal.

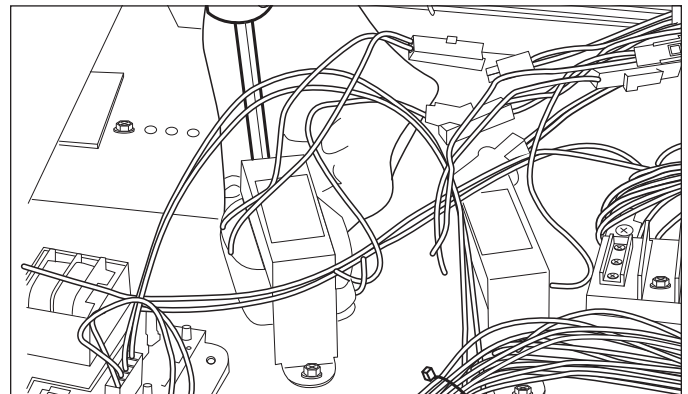


Figure 4-18. Light Transformer Removal.

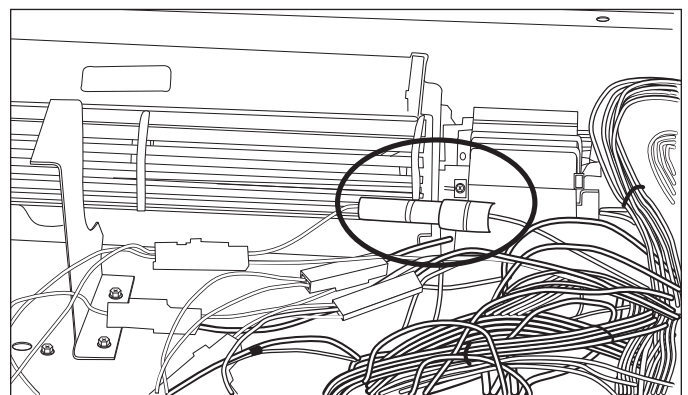


Figure 4-19. Light Fuse Removal.
(Prior to 17077137)

Upper Cooling Fan Removal

First, remove the air diverter bracket located in front of the cooling fan. (See Figure 4-20). Next, extract the three screws at the rear of the unit which secure the cooling fan to the unit. (See Figure 4-21). Now, lift the cooling fan up and disconnect the wiring from the fan motor terminals and remove. (See Figure 4-22).

Terminal Block Removal

NOTE: You may want to mark the location of the wiring to ensure proper placement when reassembling.

Disconnect the wires from the power cord at the terminal block. Now, disconnect the wiring from the terminal connectors on the block. Next, extract the two screws which secure the terminal block to the mounting plate and remove. (See Figure 4-23).

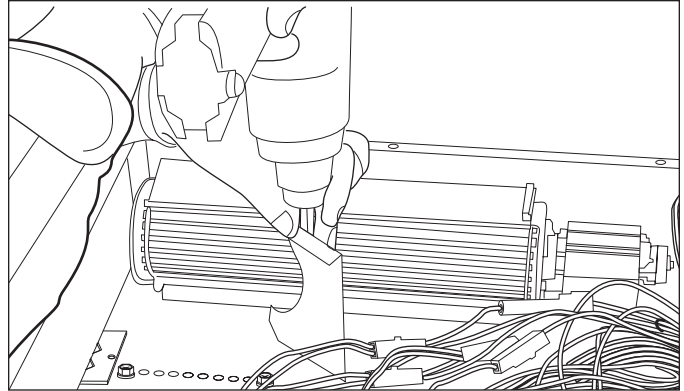


Figure 4-20. Air Diverter Removal.

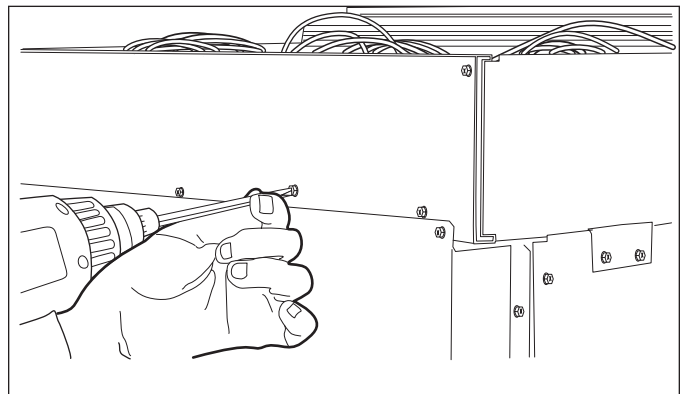


Figure 4-21. Upper Cooling Fan Removal.

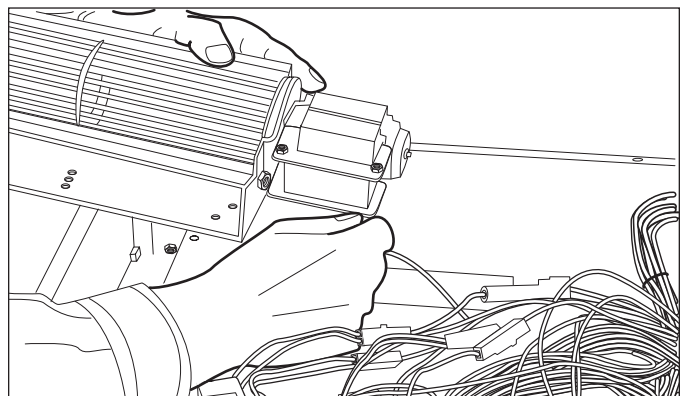


Figure 4-22. Disconnecting Wires from Cooling Fan.

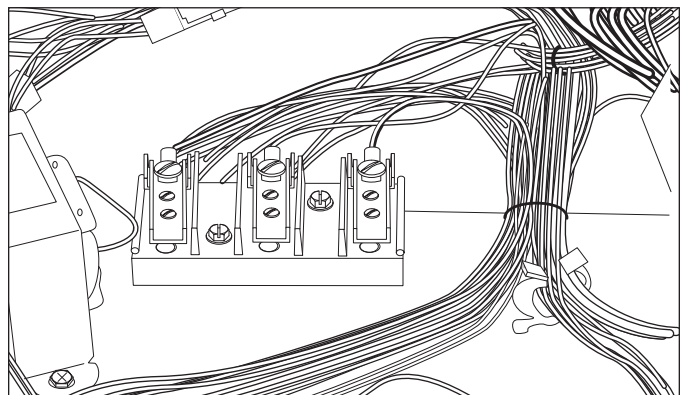


Figure 4-23. Terminal Block Removal .

OVEN CAVITY COMPONENTS:

⚠ WARNING

TURN OFF THE ELECTRICAL POWER GOING TO THE OVEN BEFORE SERVICING.

Left and Right Rack Guide Removal

First, remove oven racks. Then, extract the screws in each corner, top and bottom of the rack guide and lift guide out. (See Figure 4-24).

NOTE: On units starting with serial #16000000 the oven rack guides remove without extracting any screws. Simply lift upwards on the rack to disengage the shoulder screw from the keyhole slot on the rack guide and remove. (See Figure 4-24A)

Oven Lights Removal

To remove the oven lights you will need to remove the oven racks and guides. Next, the light cover will need to be removed by gently pulling the light cover off the light housing. (See Figure 4-25). Now remove the light bulb from the socket.

NOTE: When replacing the light bulb with a new one, wrap a clean cloth around the new bulb so fingerprints are not left on the new bulb. The greasy residue from fingerprints may cause the new bulb to burn out prematurely.

Convection Baffle Plate Removal

First, the racks and rack guides will need to be removed. Now, extract the screws in each corner, the top and bottom of the convection baffle plate and remove. (See Figure 4-26).

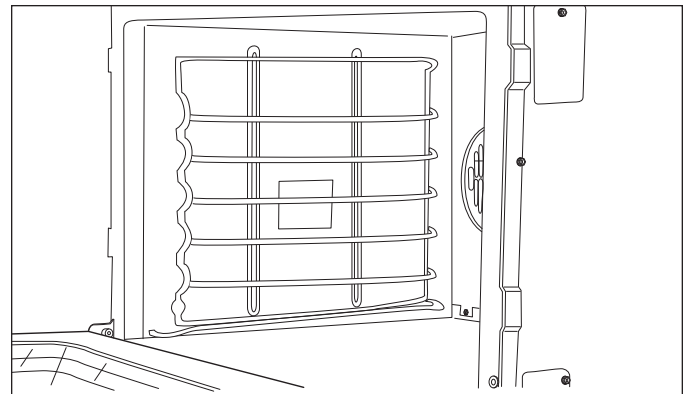


Figure 4-24. Rack Guide Removal.

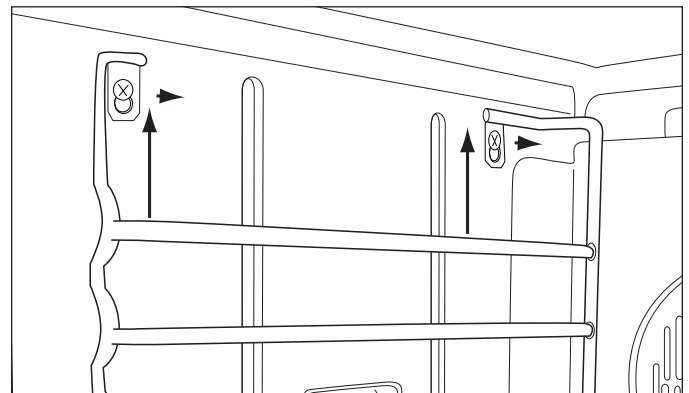


Figure 4-24A. Removable Rack Guides.

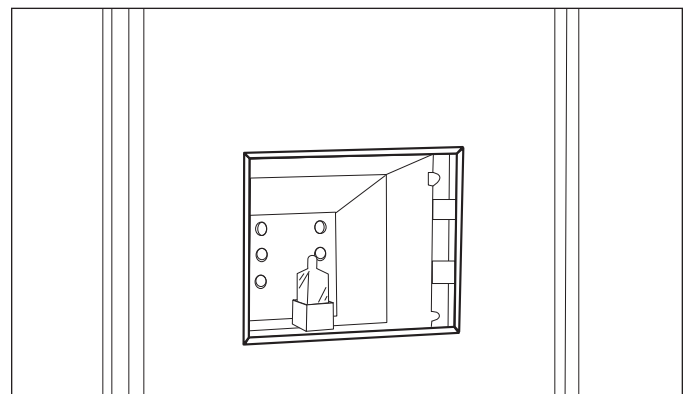


Figure 4-25. Oven Light Removal.

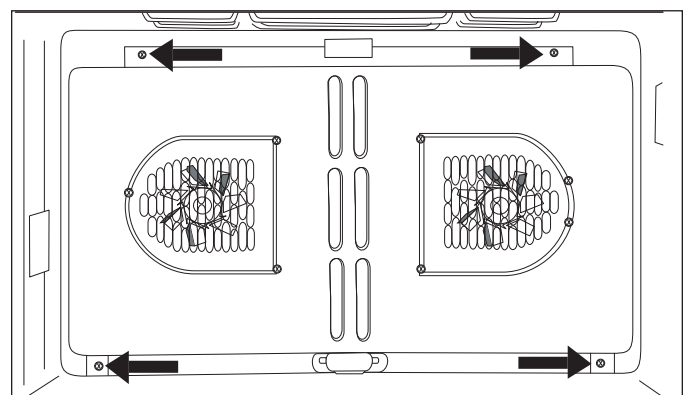


Figure 4-26. Convection Baffle Removal.

Probe Cover and Probe Switch Removal

To remove the probe cover, first you will need to raise the probe cover up. Now, using a wrench, loosen and remove the nut. Now, the cover can be removed.

(See Figure 4-27).

NOTE: To remove the probe switch the unit will need to be pulled from its installation approximately 8 inches.

Next, extract the screw and remove the access panel for the probe switch. Now, pull the switch from the oven cavity and disconnect the wires from the switch terminals. (See Figure 4-28).

Temperature Sensor Removal

Extract the two screws which secure the sensor to the oven cavity. (See Figure 4-29). Next, carefully pull the sensor with wire leads straight out from the oven cavity, until the molex connector is inside the oven cavity.

(See Figure 4-30). Now, unplug the molex connector and remove the temperature sensor.

NOTE: When the molex connector is disconnected, make sure the male end of the connector doesn't fall back into the hole. If it does, the unit may have to be pulled out from its installation in order to reconnect the molex connectors for the sensor.

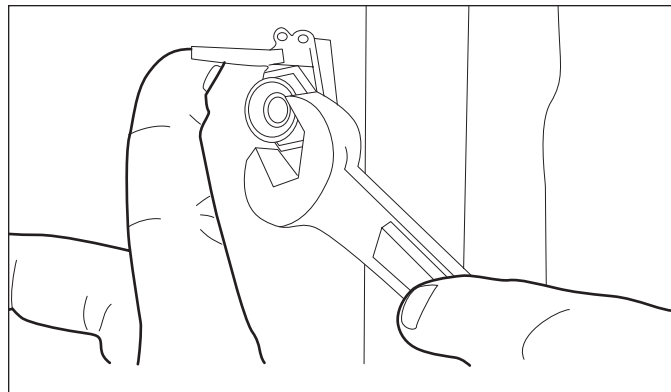


Figure 4-27. Probe Cover Removal.

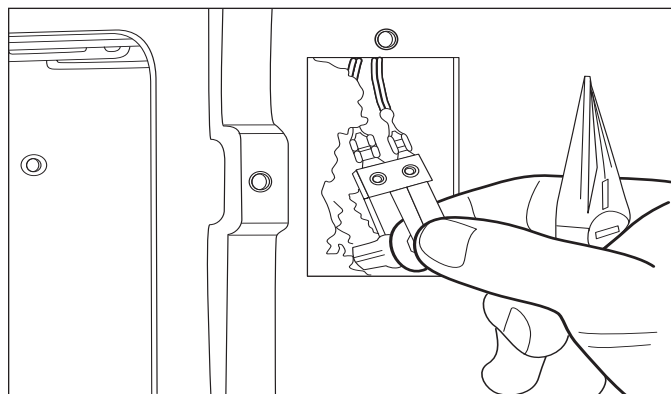


Figure 4-28. Probe Switch Removal.

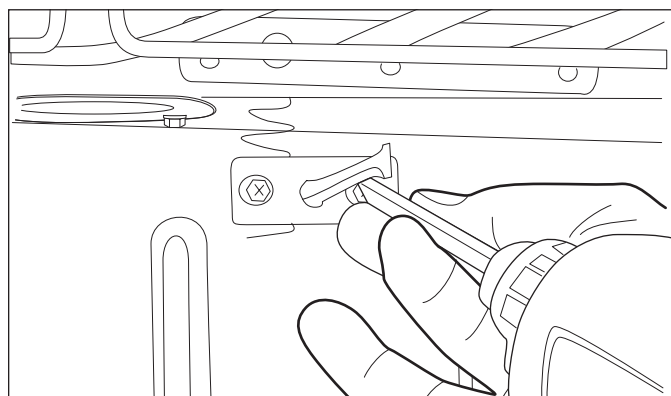
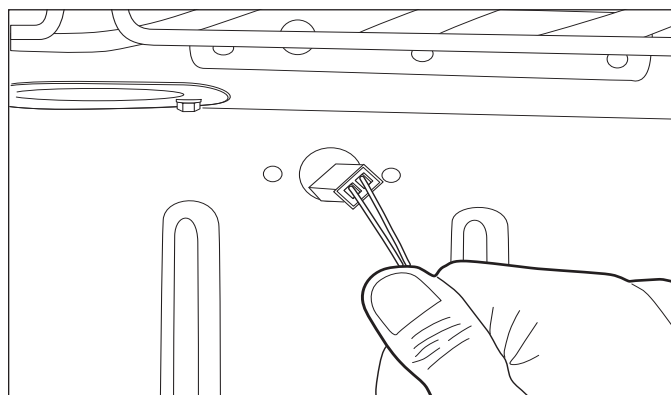


Figure 4-29. Temperature Sensor Removal.



Convection Fan Assembly Removal

The racks, rack guides and convection baffle plate will need to be removed first. Then, extract the seven screws around the convection fan and the top screw located between the element (where the element goes through the oven cavity). (See Figure 4-31). Now, pull fan assembly into oven cavity and disconnect wiring and remove.

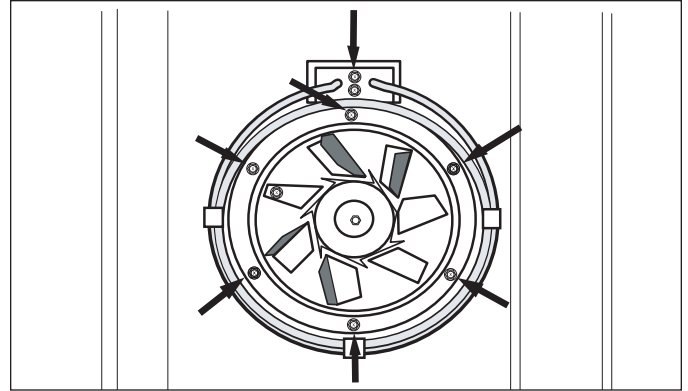


Figure 4-31. Convection Fan Removal.

Broil Element and Broil Pan Removal

To have more room when removing the broil element, remove the racks from the unit. Next, extract the four screws that secure the element and broil pan to the ceiling of the oven cavity. (See Figure 4-32). Now, extract the two screws that secure the element leads through the oven cavity. Then, pull the element forward and down into the oven cavity until the terminals and wires are exposed. (See Figure 4-33). Now, disconnect the wires and remove the element and broil pan.

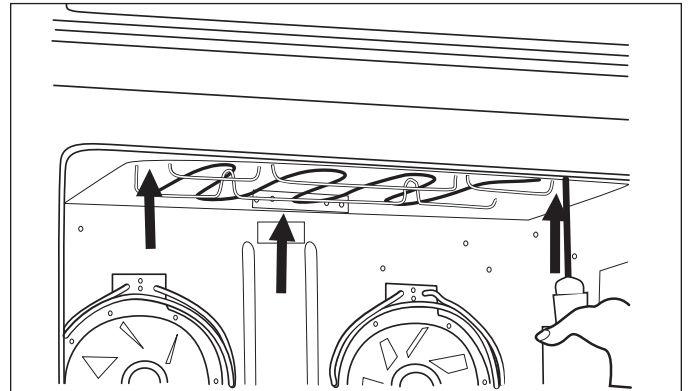


Figure 4-32. Broil Element Removal.

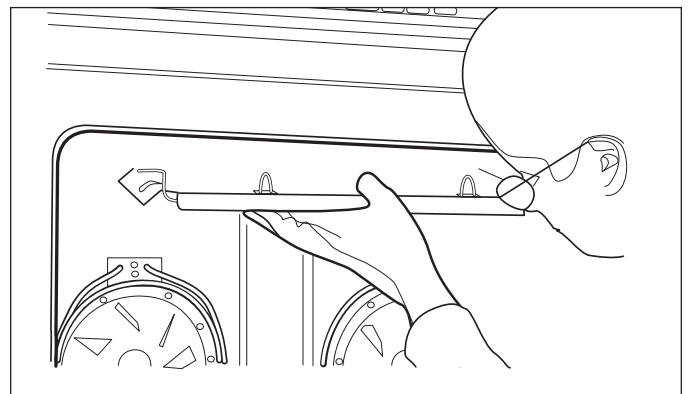


Figure 4-33. Broil Element Removal.

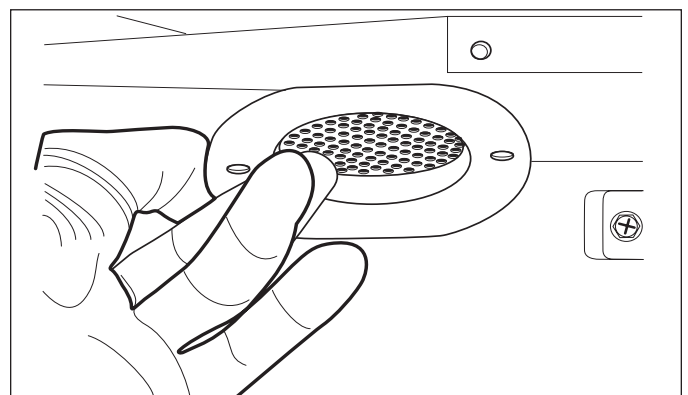


Figure 4-34. Smoke Catalyst Removal.

⚠ WARNING

IN ORDER TO REMOVE THE FOLLOWING COMPONENTS, THE ENTIRE OVEN WILL HAVE TO BE REMOVED FROM ITS INSTALLATION.

Bake Stone Receptacle Removal

First remove the ceramic receptacle plug from inside the oven cavity. Now, from the rear of the oven, extract the two nuts which secure the receptacle to the cavity and remove. (See Figure 4-35). The retainer plate can now be removed from the inside oven cavity.

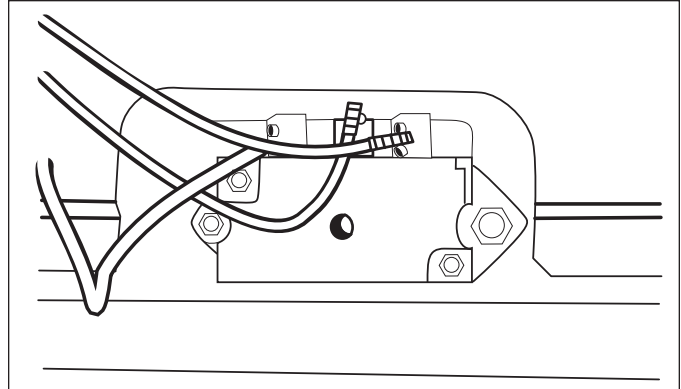


Figure 4-35. Bake Stone Receptacle Removal.

OVEN DOOR COMPONENTS:

Oven Door Removal

First, open the door to its fully opened position. Next, extract the screw and remove the plate from each side of the door hinges. Now, install the pin (*this pin is initially shipped with the unit and taped to the inside of the oven door*) through the hole in the left hinge arm. (See figure 4-36).

⚠ CAUTION

If the pin device is too long, it will rub against the inner door liner and chip the porcelain.

Lift the oven door to about a 60 degree angle from the horizontal. Now, pull the door away from the oven while continuing to lift and remove.

To reinstall oven door(s), grasp the oven door on opposite sides and lift the door until the hinges are aligned with the openings in the oven frame. Hold the door at about a 30 degree angle from the vertical. Slide the hinges into the openings until the bottom hinge arms drop fully into the hinge receptacles. Lower the door to the fully opened position and remove the pin from the left hinge arm. Open and close the door completely to ensure it is properly installed.

Door Adjustments

To adjust doors for height. Loosen the screws on the hinge pocket. Now, raise or lower the oven door to the desired height. Next, retighten the hinge pocket screws. Do this procedure for each side of the oven door until the desired height is obtained.

Door Gasket Removal

First, open the oven door. Now, locate the small clips attached to the underside of the gasket and gently pull the clips from the mounting holes. Next, pull the ends of the gasket out from the bottom of the door liner and remove. (See Figure 3-37).

NOTE: On units starting with serial #16000000 the gasket will be mounted to the front collar of the cavity. Removal procedure is the same. (See Figure 3-37A).

Outer Door Skin Assembly Removal

First, remove the oven door assembly and lay on front. Extract the two screws on the inside top of the door liner. Next, extract the three screws at the bottom of the outer door skin. Then, remove the outer door skin with handle and lay on front. Now, extract the four screws from the door handle assembly and remove. Remove the heat shield and insulation from the outer door skin. (See Figure 4-38).

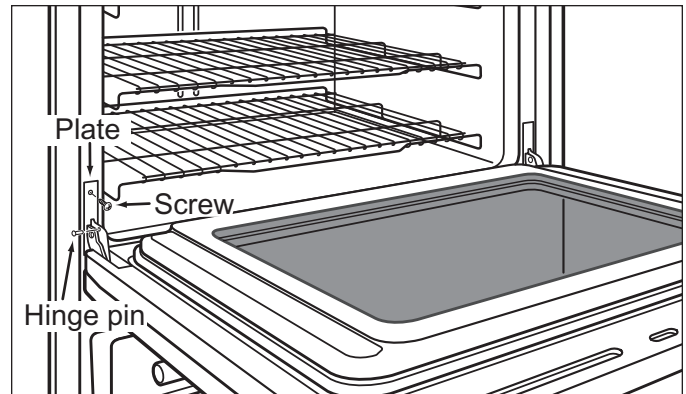


Figure 4-36. Hinge Pin Installation.

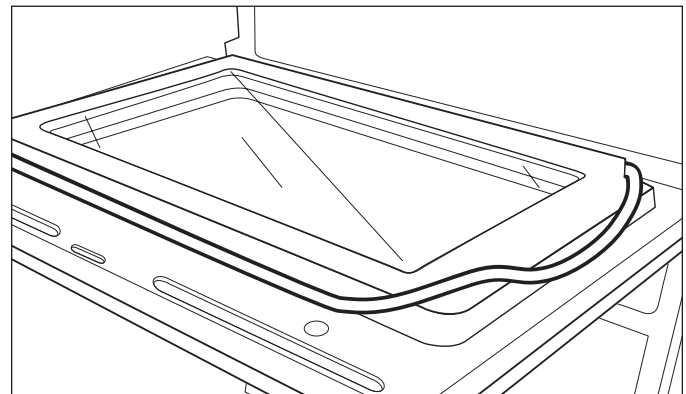


Figure 4-37. Door Gasket Removal.

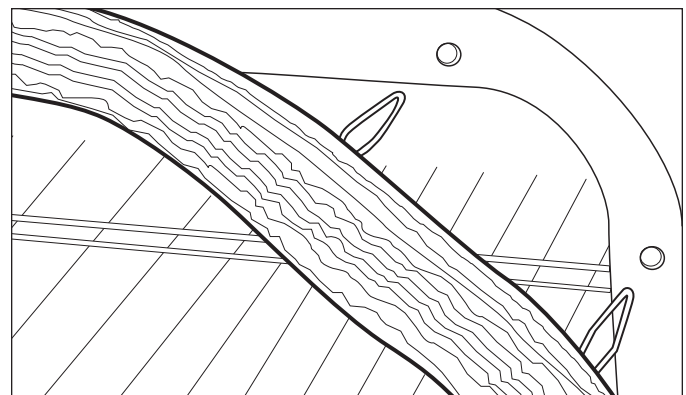


Figure 4-37A. Door Gasket Removal.

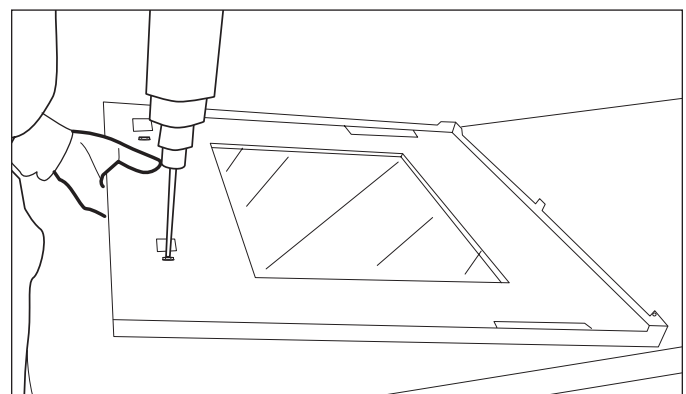


Figure 4-38. Outer Door Skin Removal.

Glass Pack Removal

NOTE: There are different screws sizes. Make sure the proper length screws are in the correct places when reassembling.

To begin, remove oven door assembly and outer door skin assembly. Now, extract the screw at the bottom center of the door liner. Next, extract the seven screws at the top of the heat shield and remove. (See Figure 4-39). Now, carefully remove insulation from around glass pack. Then, extract the screws from the top of the inner heat shield and remove. (See Figure 4-40). Now, lift the top of the glass pack up slightly while pulling it out from under the bottom tabs and remove. (See Figure 4-41).

⚠ CAUTION

When removing or disconnecting the door hinge, remember it could recoil quickly when released.

Hinge Removal

To begin, remove the oven door assembly and outer door skin assembly. Next, extract the two screws at the bottom corner of the door liner. (See Figure 4-42). Raise the bottom of the door hinge assembly from the door liner. Then, using a small flat bladed screwdriver, carefully raise the tab at the top of the hinge and slide the hinge out from under tab and remove. (See Figure 4-43).

Hydraulic Hinge Removal

To begin, remove the oven door assembly and outer door skin assembly. Next, extract the two screws at the bottom corner of the door liner. (See Figure 4-42). Now, raise the bottom of the hydraulic hinge assembly from the door liner. Then, using a small flat bladed screwdriver carefully raise the tab at the top of the hydraulic hinge and slide the hinge out from under tab and remove. (See Figure 4-43).

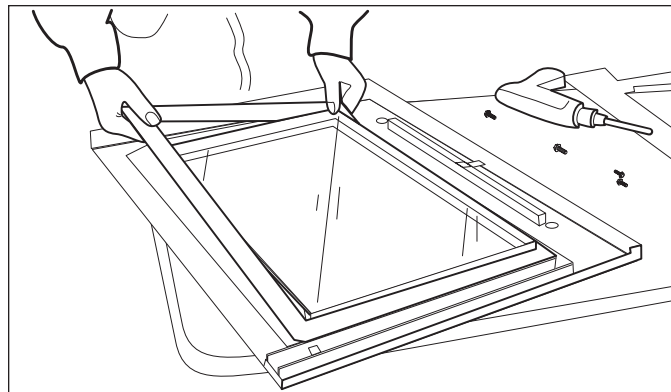


Figure 4-40. Removing Inner Heat Shield.

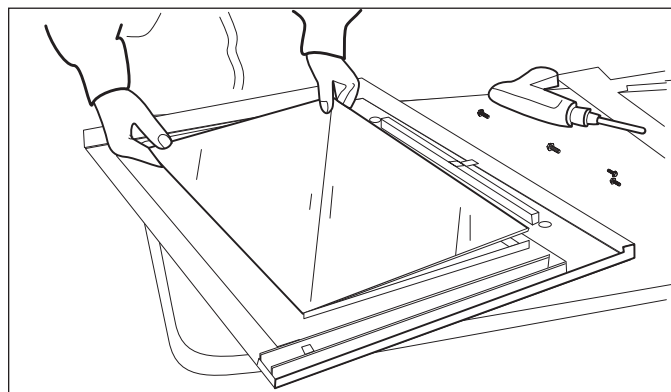


Figure 4-41. Removing Glass Pack Assembly.

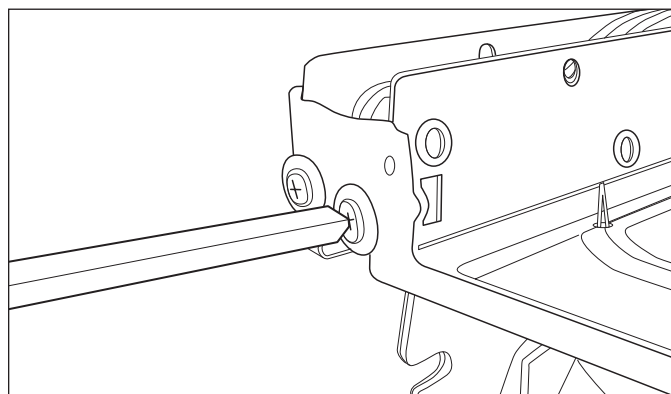


Figure 4-42. Extracting Screws for Hinge Removal.

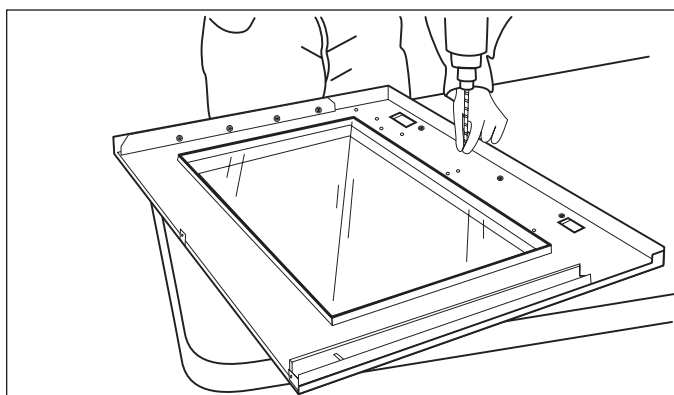


Figure 4-39. Extracting Screws from Heat Shield.

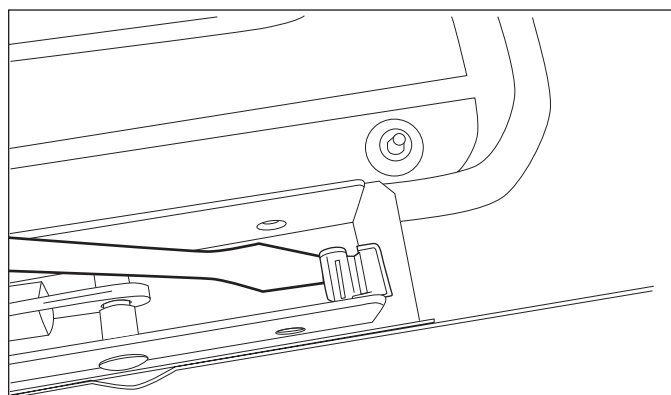


Figure 4-43. Raising Tab for Hinge Removal.

COMPONENTS BEHIND BACK PANEL:

⚠ WARNING

IT IS NECESSARY TO REMOVE THE UNIT FROM ITS INSTALLATION, REMEMBER THAT THE UNIT COULD TIP FORWARD WHEN PULLED BEYOND ITS INSTALLATION.

TO AVOID ELECTRIC SHOCK, POWER TO THE UNIT MUST BE DISCONNECTED WHENEVER SERVICING AND/OR ACCESSING COMPONENTS.

Back Panel Removal

Extract all the screws that secure the back panel to the unit and remove. (See Figure 4-44).

Divider Channels

Disconnect and remove any wiring which is routed through the channels. Now, extract the screws which secure the channels to the unit and remove.

(See Figure 4-45).

NOTE: When disconnecting the wiring, make sure to mark the wire locations. This will ensure proper placement when reinstalling.

Lower Cooling Fan and Cover Removal

The back panel will need to be removed. Now, extract the screws from the left and right side off the cooling fan cover. Then, extract the screw from inside the fan cover which is secured to the divider channel and remove fan and cover together. (See Figure 4-46). To remove the cover, extract the screws which secure the cover to the fan and separate the fan from the cover.

Bake Element Removal

Remove the back panel. Now, disconnect the wiring which is routed through the divider channels and disconnect the bake element harness connector. Extract the screws from the bake pan assembly. Then, pull the bake element from the unit. (See Figure 4-47).

⚠ CAUTION

The insulation is around the hidden bake element is very fragile. Removal of the bake element should be done with great care.

NOTE: The wiring may have to be routed around the bake element to fully remove it from the unit.

NOTE: When disconnecting the wiring, make sure to mark the wire locations. This will ensure proper placement when reinstalling.

NOTE: It may also be necessary to cut some of the wire ties from the electrical wiring in order to gain more space for the bake element to be pulled out.

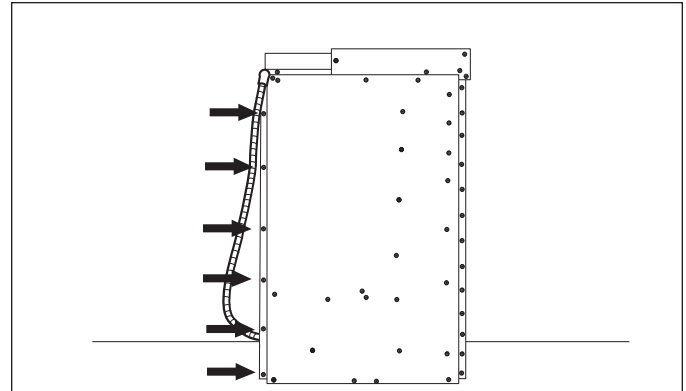


Figure 4-44. Back Panel Removal.

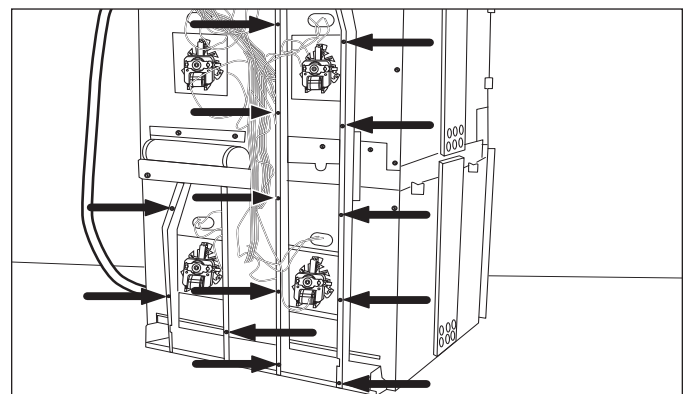


Figure 4-45. Divider Channel Removal.

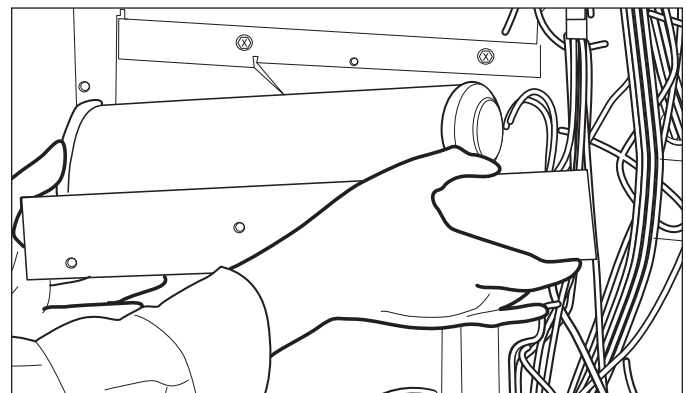


Figure 4-46. Lower Cooling Fan and Cover Removal.

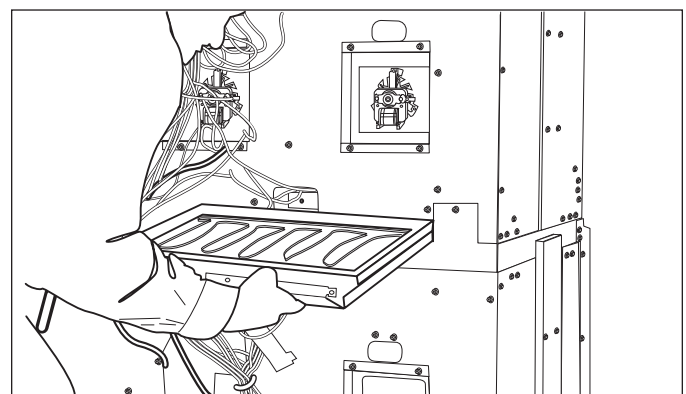


Figure 4-47. Hidden Bake Element Removal.

NOTE: -2, -3 Element Pictured

OVEN SIDE COMPONENTS:

⚠ WARNING

IT IS NECESSARY TO REMOVE THE UNIT FROM ITS INSTALLATION, REMEMBER THAT THE UNIT COULD TIP FORWARD WHEN PULLED BEYOND ITS INSTALLATION.

TO AVOID ELECTRIC SHOCK, POWER TO THE UNIT MUST BE DISCONNECTED WHENEVER SERVICING AND/OR ACCESSING COMPONENTS.

Channel Venting Removal

The channel is held in place by tabs at the rear and screws at the front. To remove, extract the screws around the channel. Now, lift the front of the channel out slightly while disengaging the tabs on the channel from the side enclosure. (See Figure 4-48).

Hinge Pocket Removal

The oven door will need to be removed first. Now, extract the screw from below the hinge slot at the front bottom of the oven cavity. Extract the screws around the hinge pocket and remove. (See Figure 4-49).

Enclosure Removal

First remove the channel venting and the hinge pocket. Now, extract the screws from the hold down brackets and remove. Then, extract the screws from around the enclosure. Next, slide the enclosure towards the rear, so that the front of the enclosure is out from behind the oven cavity. Now, pull the top of the enclosure out from under the pan module. Then, lift the enclosure from the side of the unit. (See Figure 4-50).

Insulation Removal

First, the channel venting, hinge pocket and enclosure need to be removed. Now the hinge cavity insulation, light insulation and cavity side insulation can be removed. (See Figure 4-51).

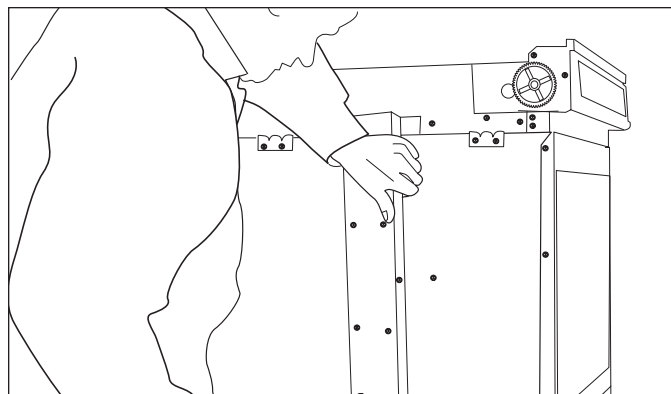


Figure 4-48. Channel Venting Removal.

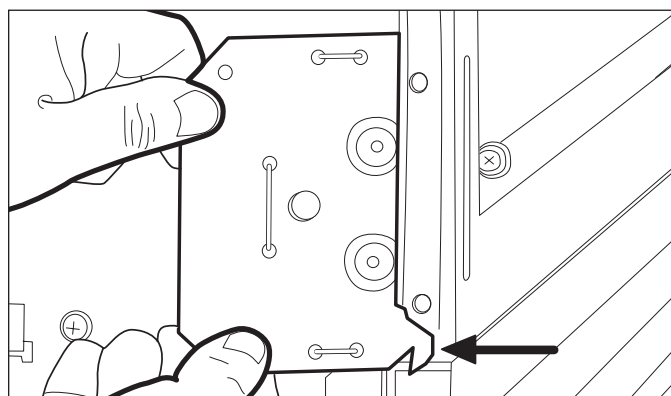


Figure 4-49. Hinge Pocket Removal.

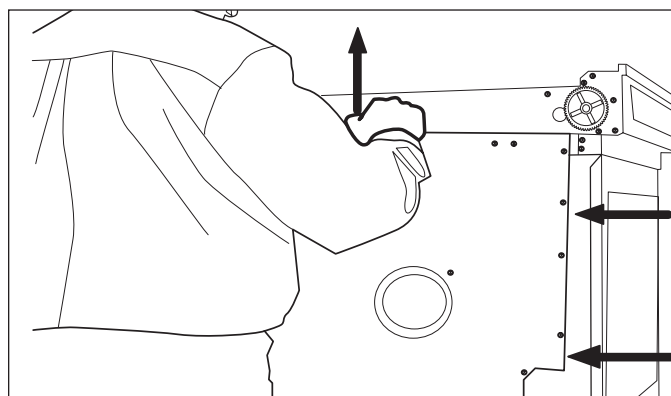


Figure 4-50. Enclosure Removal.

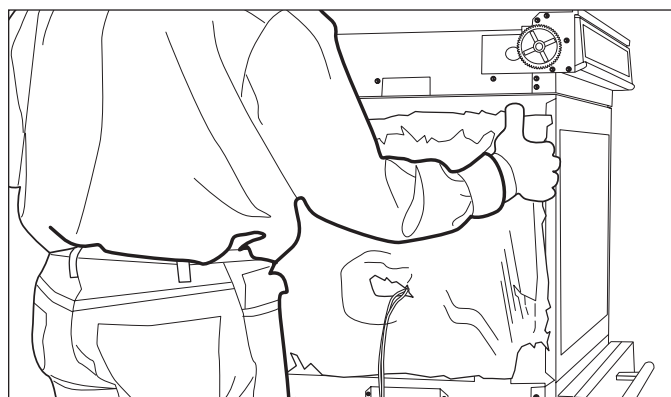


Figure 4-51. Insulation Removal.