

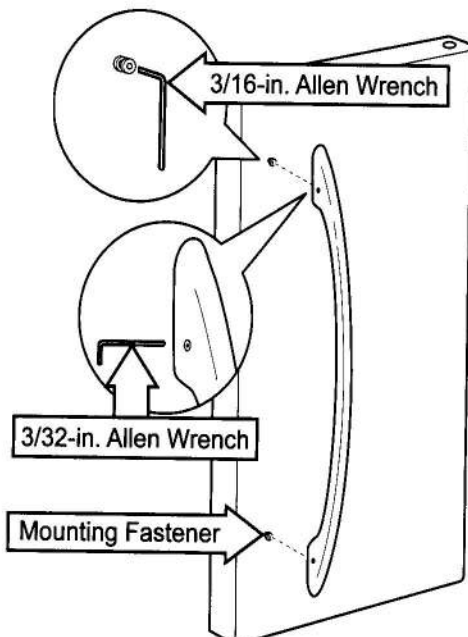
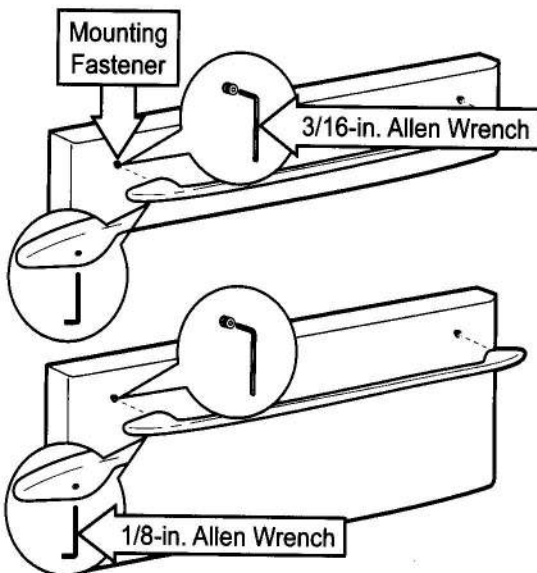
# Components

## Freezer Drawer/Fresh Food Door Handles

**Note:** Each freezer drawer handle is held in place by a left and a right 1/8-in. Allen set screw. Each fresh food door handle is held in place by a top and a bottom 3/32-in. Allen set screw. When tightened, the set screws lock the handle to mounting fasteners located behind the handle and attached to the drawer or door panel.

Using an Allen wrench, loosen the 2 recessed screws, and then pull the handle straight out from the drawer or door panel.

**Note:** If the handle mounting fasteners need to be tightened or removed, use a 3/16-in. Allen wrench.

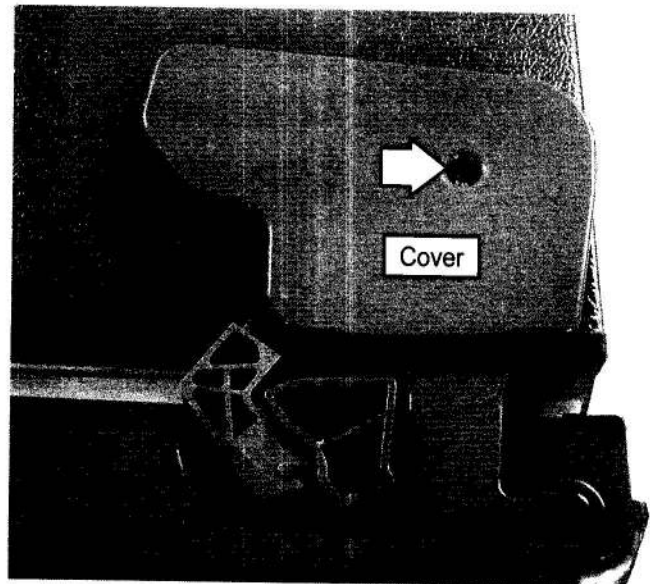


## Door Closure Mechanisms

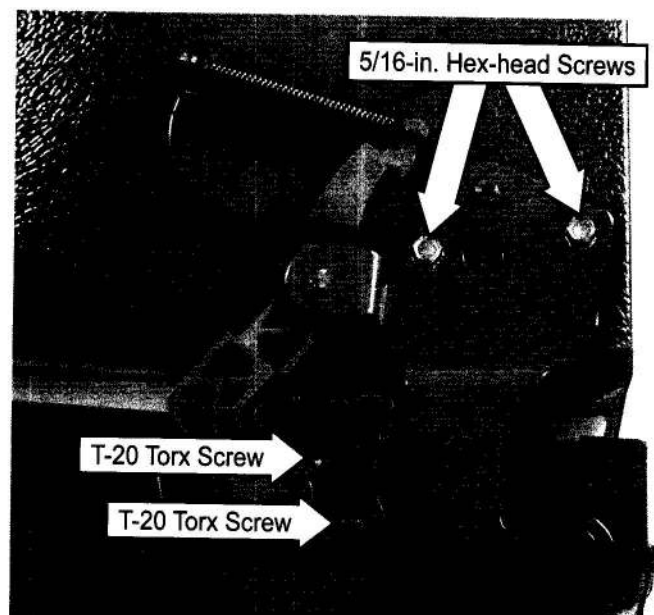
### Fresh Food Doors

The closure mechanism for each fresh food door consists of a hinge closure assembly attached to the top of the cabinet that interacts with a cam attached to the top of each door.

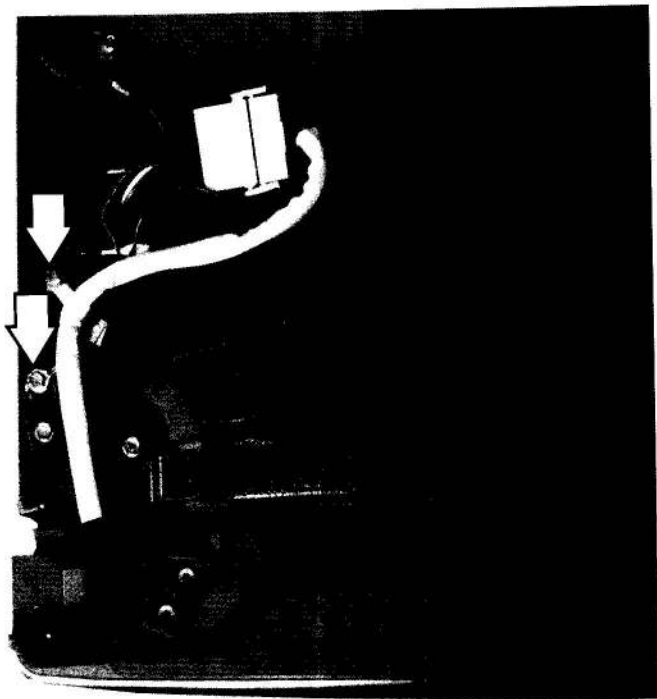
To access the hinge closure assembly, it is necessary to remove the Phillips-head screw and the cover from the top of the hinge closure assembly.



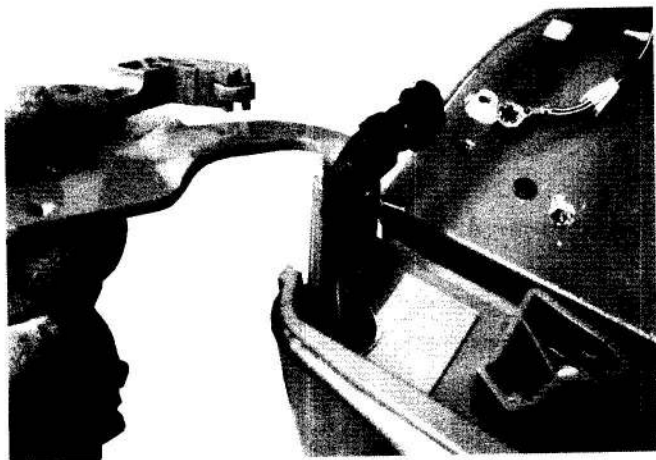
The hinge closure assembly is held to the top of the cabinet with two 5/16-in. hex-head screws. The cam is attached to the top of the door with two T-20 Torx screws.



Before removing the left-side door hinge, it will also be necessary to remove the 1/4-in. hex-head screws that attach the ground wire to the hinge and the wire harness retainer to the cabinet top.

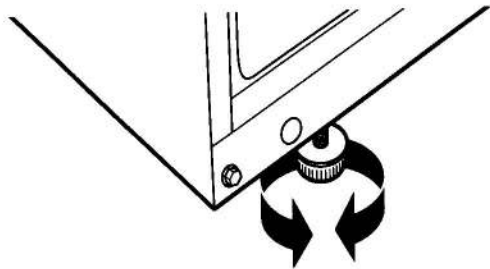


After removing the two 5/16-in. hex-head screws and lifting the hinge, the wiring can be passed through the opening in the hinge.

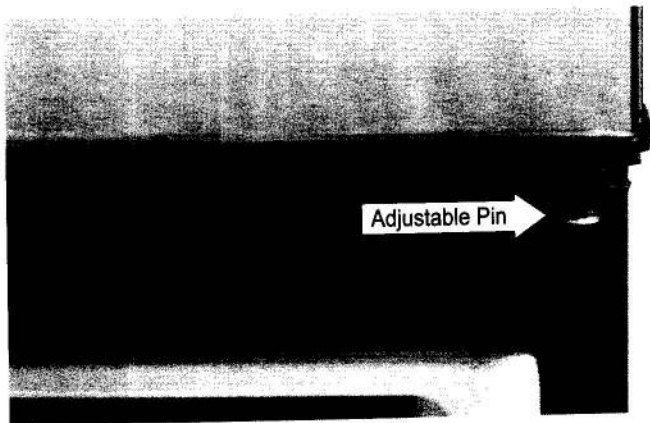


**Door Alignment**

If the top of the doors are uneven, first try to raise the lowest door by turning the leveling leg on the same side as the door until the doors are even. If the unit rocks, re-adjust the leveling legs until the unit is stable.

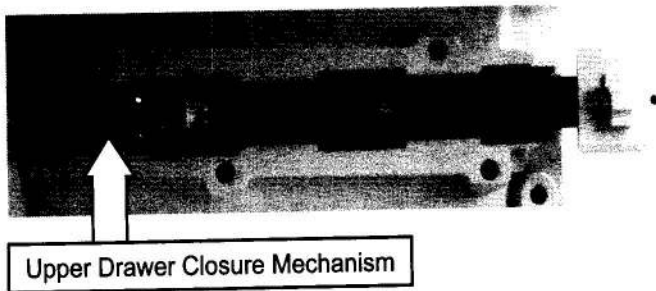


If the doors remain uneven, turn the adjustable pin to raise or lower the right door to match the left door. Use a 1/4-in. Allen wrench to turn the pin.



**Freezer Drawer Closure Mechanisms**

The freezer drawers utilizes 2 closure mechanisms that automatically pull the drawer shut when it is within 1 inch of the closed position. The mechanisms are built into the 2 drawer slide assemblies and are not replaceable as a separate part.



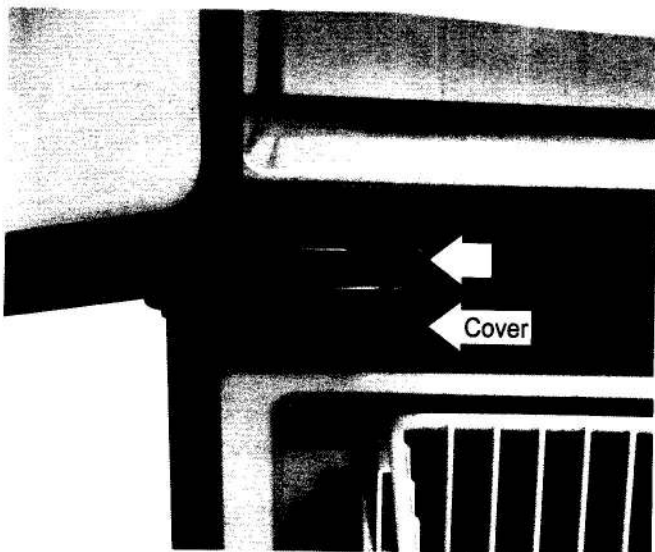
## Fresh Food Door Removal

### To remove the fresh food door:

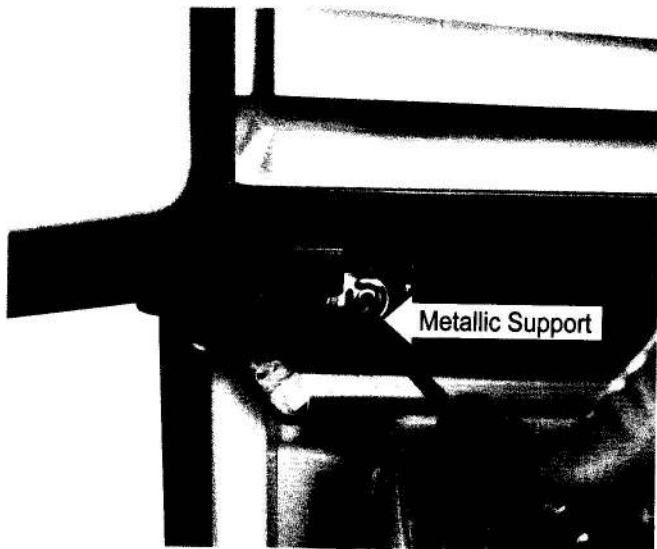
1. Open the top freezer drawer.

#### Note:

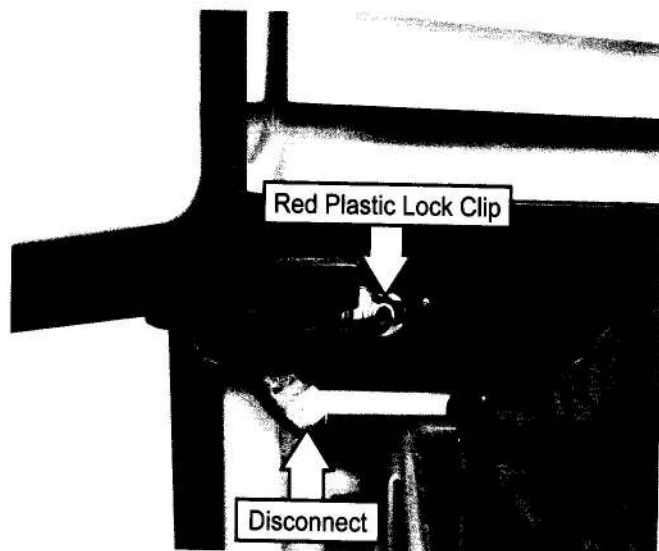
- The following procedure applies to removing the left-side door with dispenser. Follow this same procedure for removing the right-side door. There are no wires, water lines, or center hinge covers on the right-side door.
  - If removing the left-side door, it may be helpful to reduce weight by removing the ice bucket from the door.
2. Remove the screw securing the center hinge cover.
  3. Pull the right side of the hinge cover out and remove the cover from the hinge.



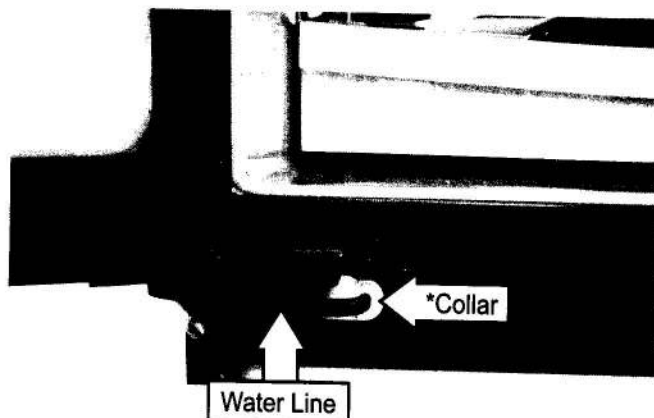
4. Using a flat blade screwdriver, push down and remove the metallic water line support from each water line.



5. Using a flat blade screwdriver, push the red plastic lock clip off each water line collar.
6. Disconnect the door wire harness.

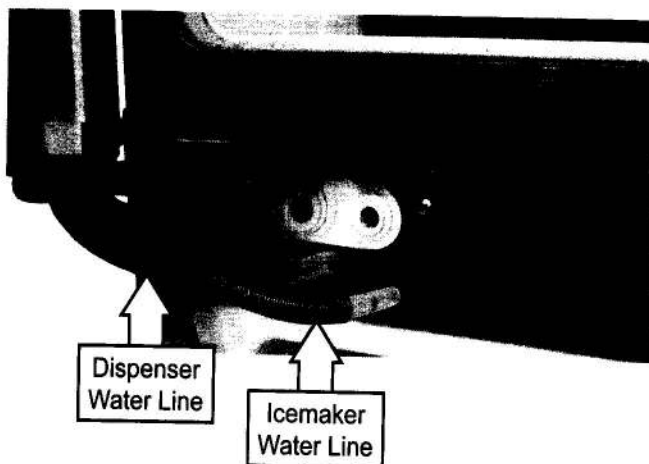


7. Carefully push the collar in while pulling each water line out from the coupling.

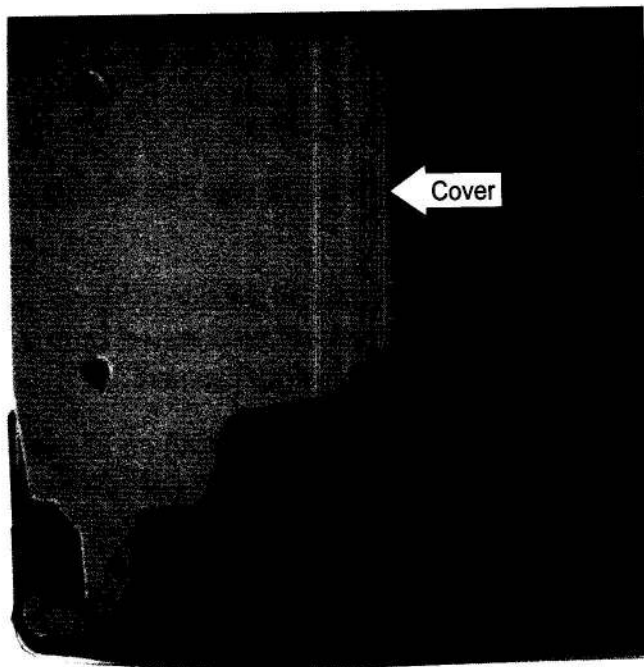


\*Replacement collar unavailable

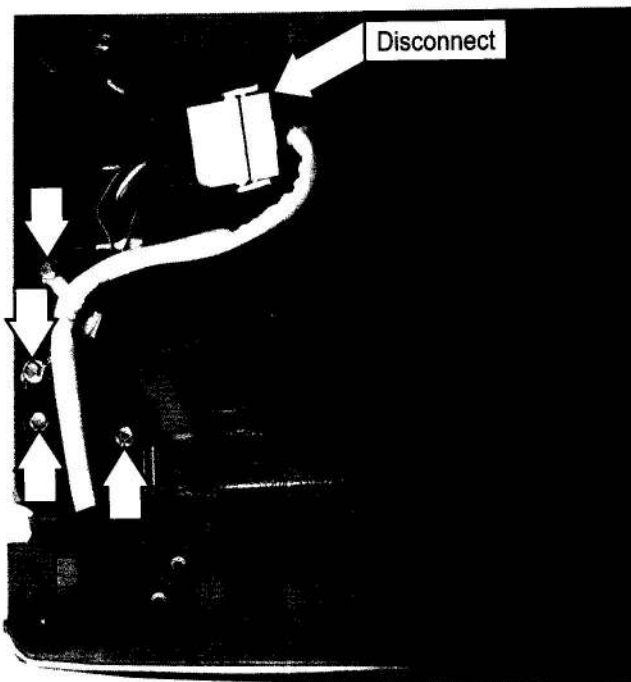
**Note:** The red plastic clip and the water line for the icemaker is smaller than the clip and the water line for the dispenser.



8. Remove the hinge cover on top of the refrigerator door by removing the Phillips-head screw and pulling it up.



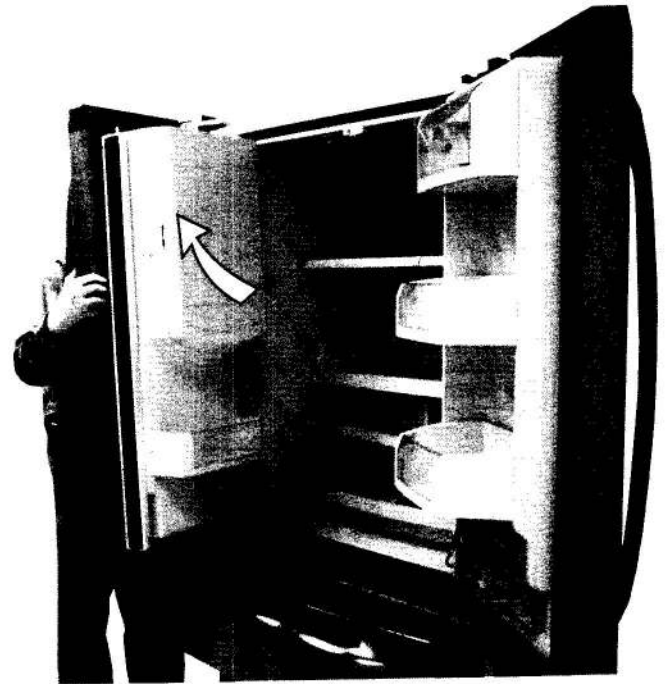
9. Disconnect the door wire harness.
10. Remove the 1/4-in. hex-head screw from the harness retainer.
11. Remove the 1/4-in. hex-head screw that attaches the ground wire to the hinge.
12. Remove the two 5/16-in. hex-head screws that attach the top hinge to the cabinet.



13. If removing the left-side door, open the right-side door.

14. Tilt the door away from the cabinet. Lift the door off the center hinge pin and carefully guide the water lines and wire harness through the opening in the center hinge.

**Note:** Ensure that the plastic hinge pin thimble remains on the hinge pin or inside door hinge pin hole located in the bottom of the door.

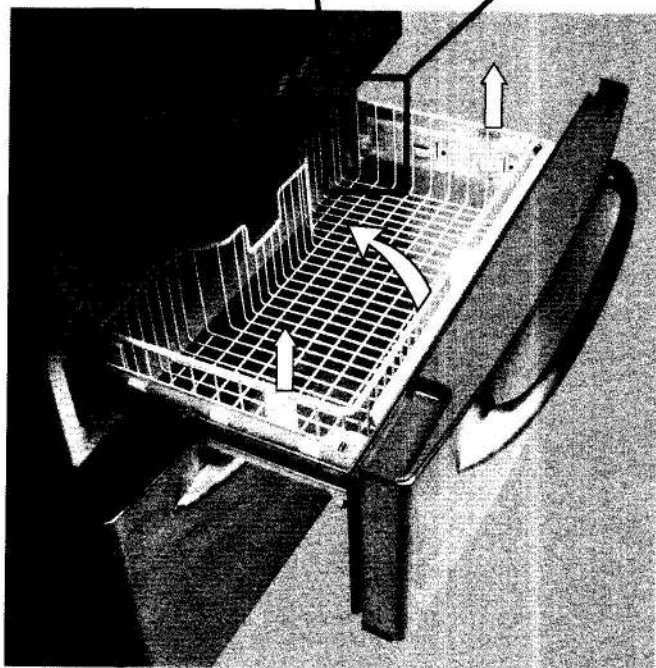
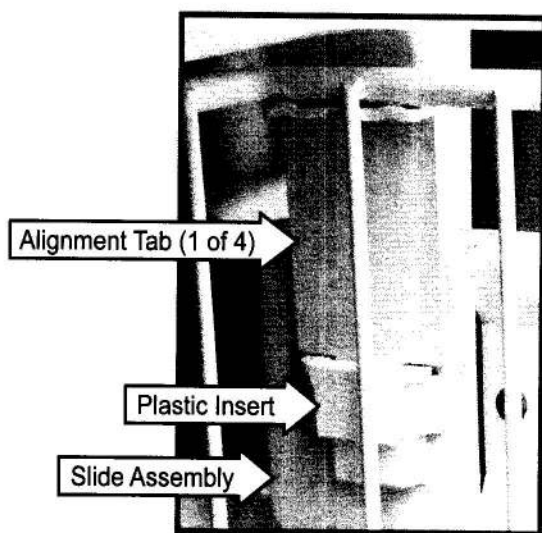


15. Place the door on a protective surface with the inside up.

## Top Freezer Drawer

### Freezer Basket

1. Open the top freezer drawer until it stops.
2. Lift the front end of the basket until the front 2 alignment tabs come out of the front plastic inserts located in the slide assemblies.
3. Rotate the front edge of the drawer up while lifting the remaining 2 rear alignment tabs out of the rear plastic inserts located in the slide assemblies. Pull the basket up and out of the drawer.



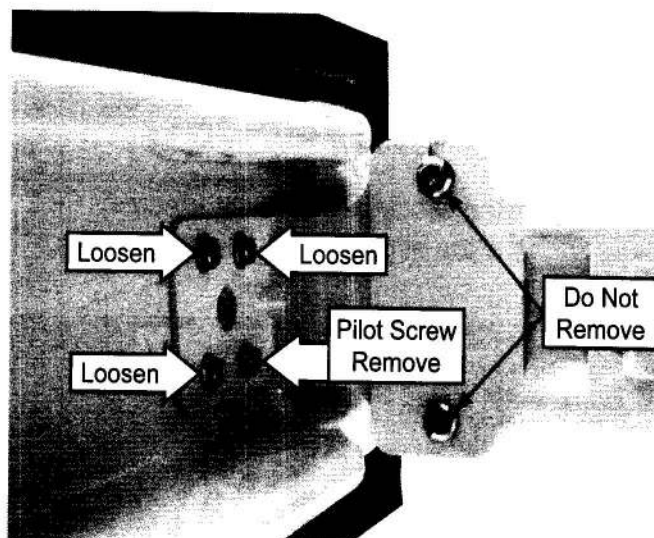
### Drawer Vertical Adjustment

**Note:** This following instruction is for adjusting the upper drawer front vertically to meet appearance needs of the customer. Both the right- and left-side of the drawer front can be adjusted independently.

#### To adjust the drawer vertically:

1. Remove the freezer basket. (See Freezer Basket, this section.)
2. Remove the pilot screw on the side of the drawer front that needs to be adjusted. Do one side at a time if both need adjustment.
3. Loosen 3 full turns the remaining three 10-mm hex-head screws on the side that needs to be adjusted.
4. Raise or lower the side of the drawer front requiring adjustment to the desired position. Once positioned, tighten the 3 screws.

**Note:** Do not replace the pilot screw once the drawer front is adjusted. It is no longer needed.



Left Side Bracket Shown

### Drawer Panel Removal

#### To remove the drawer panel:

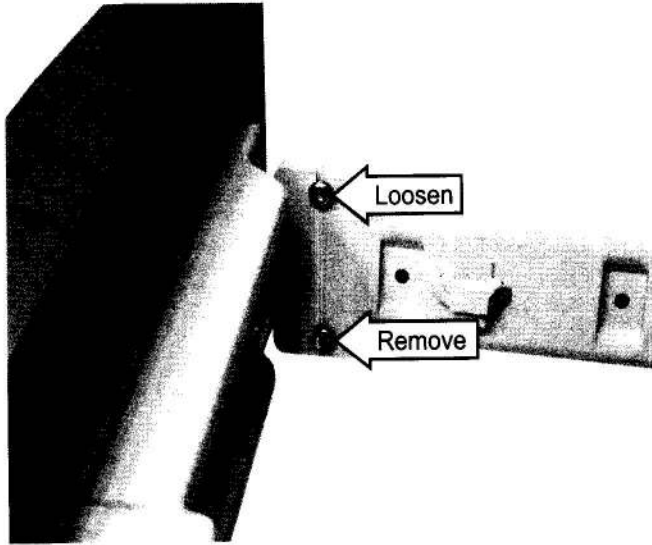
1. Remove the freezer basket. (See Freezer Basket, this section.)
2. Remove the four 10-mm hex-head screws (4 on each side) that attach the drawer panel to each drawer bracket.



## Drawer Removal

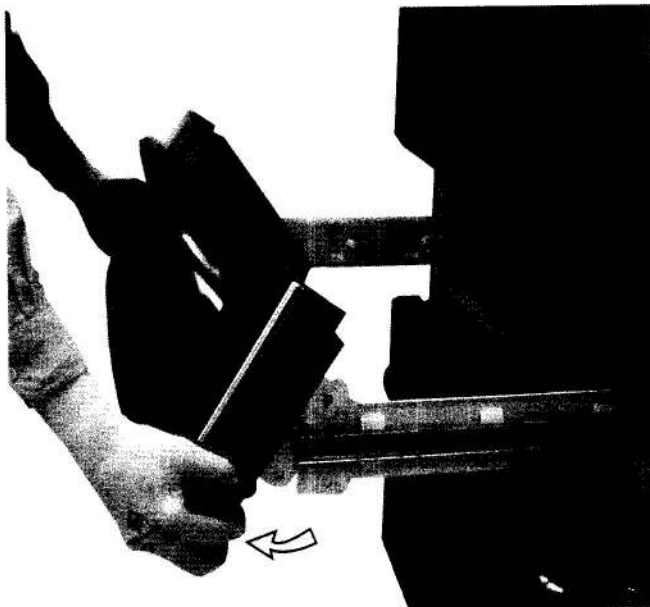
### To remove the drawer:

1. Remove the freezer basket. (See Freezer Basket, this section.)
2. Loosen (do not remove) the T-30 Torx screw at the top of the left side slide assembly.
3. Remove the two T-30 Torx screws from the bottom of each slide assembly.



Left Side Bracket Shown

4. Tilt the drawer panel 45 degrees out from the bottom, and then lift up and remove the drawer from the slide assemblies.



5. Push the slide assemblies back into the cabinet.

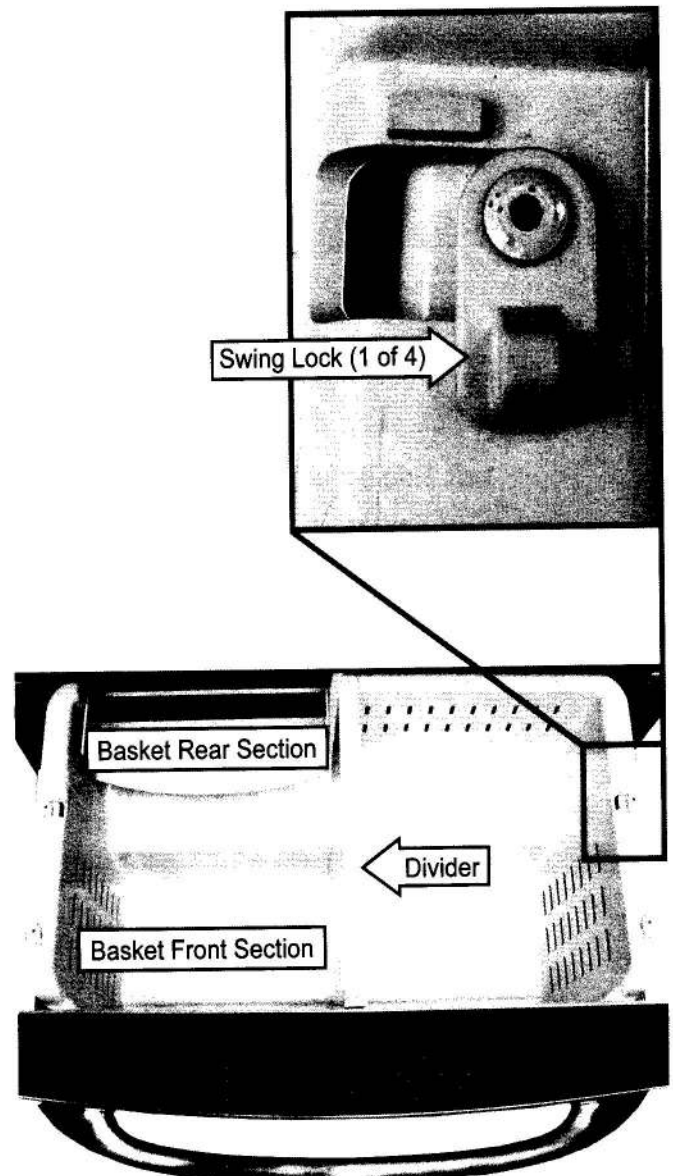
## Bottom Freezer Drawer

### Freezer Basket

1. Open the bottom freezer drawer until it stops.
2. Pull the divider forward until the rear locating tabs are out of the slots. Turn the divider slightly to the side to release the front locating tabs and lift out.

**Note:** The freezer basket front section rests on the metal slide brackets and is held in place with swing locks.

3. Turn the swing locks from vertical to horizontal position. Open fresh food doors.
4. Lift the basket front section up and rotate it toward you. Slide out from the side of the drawer.
5. Lift the basket rear section from the metal slide brackets.



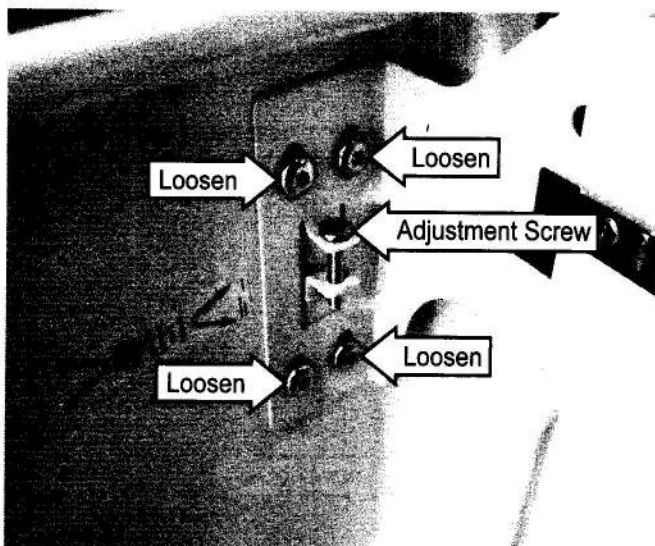
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## Drawer Vertical Adjustment

**Note:** This following instruction is for adjusting the lower drawer front vertically to meet appearance needs of the customer. Both the right- and left-side of the drawer front can be adjusted independently.

### To adjust the drawer front vertically:

1. Remove the freezer basket. (See Freezer Basket, this section.)
2. Loosen 3 full turns the four T-30 Torx screws on the side that needs to be adjusted. Do one side at a time if both need adjustment.
3. Turn the Phillips-head adjustment screw clockwise to lower the drawer or counterclockwise to raise the drawer to the desired position. Once positioned, tighten the four T-30 Torx screws.

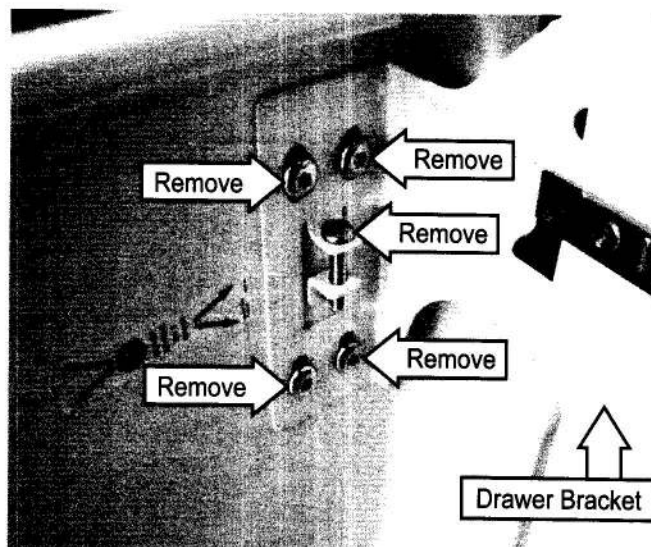


Left Side Bracket Shown

## Drawer Panel Removal

### To remove the drawer panel:

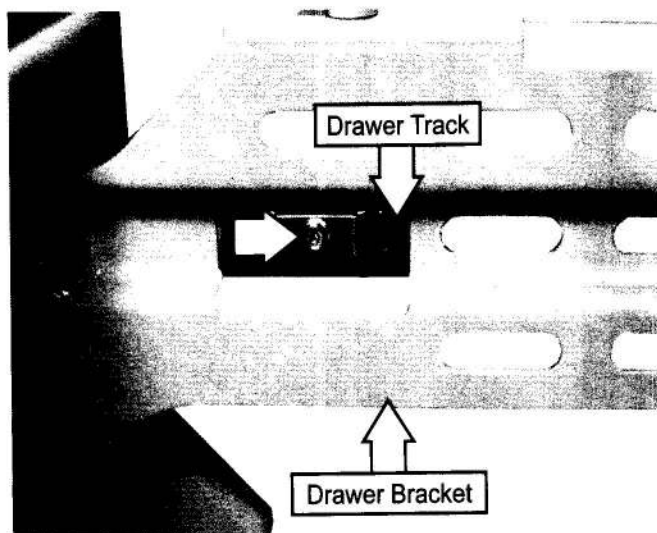
1. Remove the freezer basket. (See Freezer Basket, this section.)
2. Remove the Phillips-head adjustment screws (1 on each side).
3. Remove the four T-30 Torx screws (4 on each side) that attach the drawer panel to each drawer bracket.



## Drawer Removal

### To remove the drawer:

1. Remove the freezer basket. (See Freezer Basket, this section.)
2. Remove the two 1/4-in. hex-head screws (1 on each side) that attach each drawer bracket to each track.



3. Lift up and disengage the drawer from the rear slot on each track assembly.



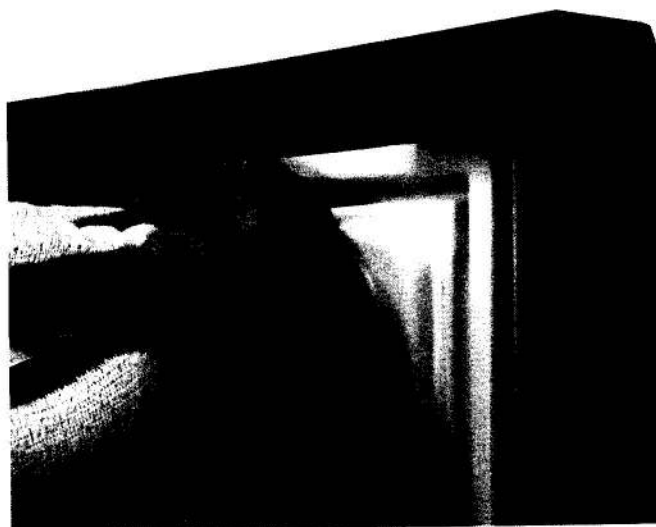
Left Side Track Assembly Shown

## Door and Drawer Gaskets

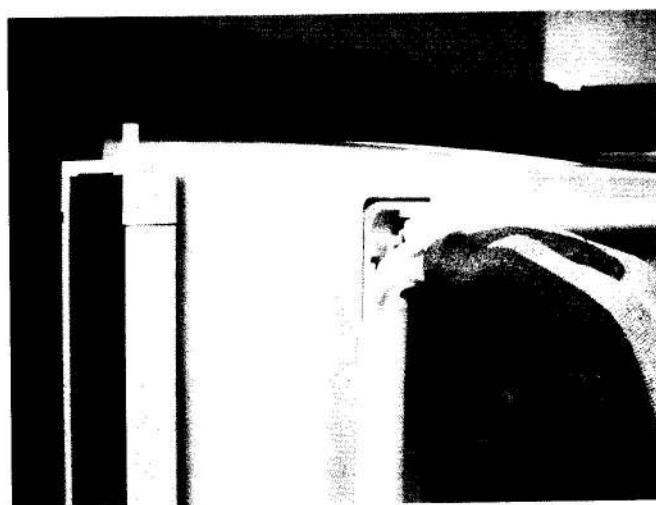
The fresh food and freezer drawers have magnetic gaskets that create a positive seal to the front of the steel cabinet. The ice dispenser door is sealed by a non-magnetic gasket attached to the back of the ice dispenser cavity. The gaskets are secured by a barbed edge that locks into a retainer channel.

### To remove and replace the gasket:

1. Starting at any corner, pull the old gasket out of the retaining channel.
2. Soak the new gasket in warm water to make it pliable.
3. Push the barbed edge of the gasket into the retainer channel.



Fresh Food Door Gasket



Dispenser Door Gasket



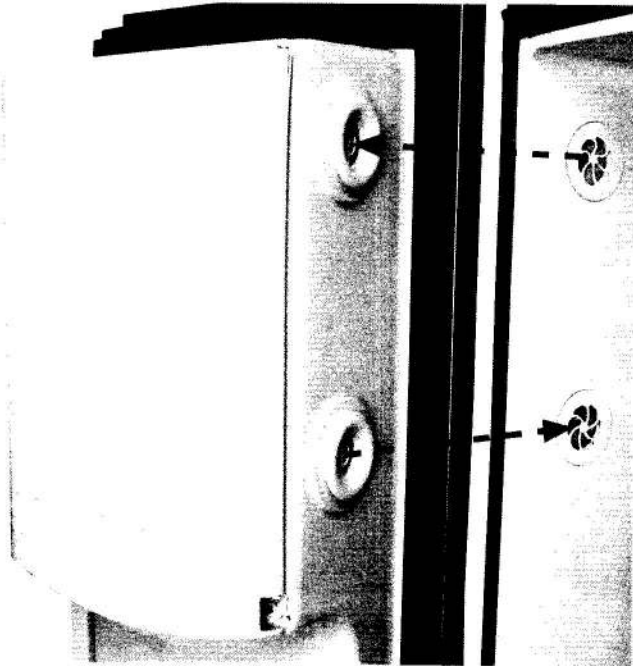
## Ice Compartment

### Ice Operation – Basic Logic

The new Profile Bottom Mount Ice and Water Refrigerators have multiple unique logic and calculations that are accomplished with the board, the control settings, and feedback from thermistors.

However, the new ice door does not have its own thermistor, and therefore calculations are accomplished with input from the fresh food and freezer thermistors.

A dedicated blower fan circulates cold air from the freezer, through ducts within the liner, and into the ice compartment vents.



**Ice Making/Harvest mode:** This mode looks for water valve or dispenser action within a 2-hour period of time (4-minute response time). If seen, the ice section temperature should be approximately 0°F degrees.

**Ice Storage mode:** If above activity is not detected, the temperature in the ice section could raise as high as approximately 15°-25°F.

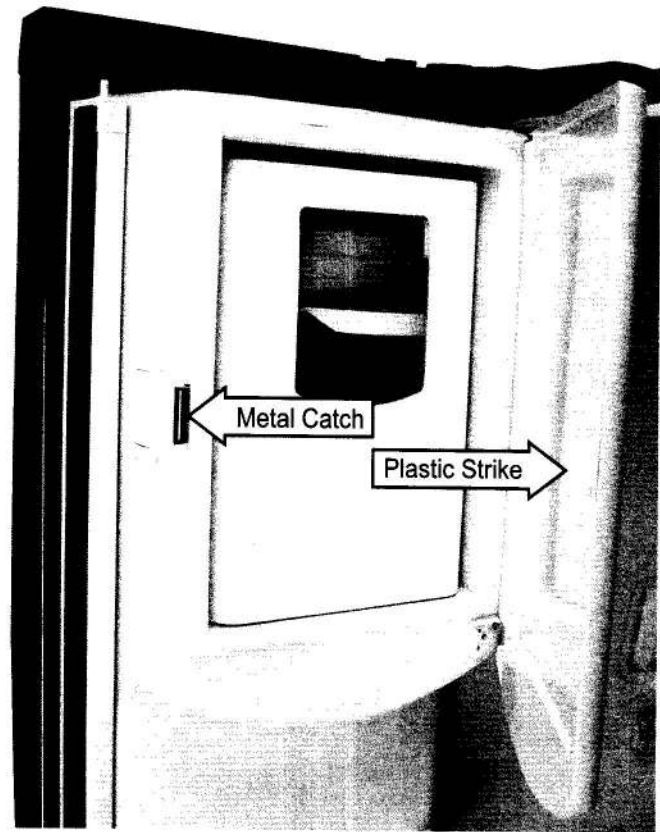
**Ice Hardening mode:** This mode tries to account for high number of door openings and maintain similar temperatures as the ice storage mode.

Temperature in the ice section is tied to the control settings, so the warmer the freezer section is set, the warmer the ice section becomes. A freezer setting warmer than mid-range will produce the warmest ice section temperature.

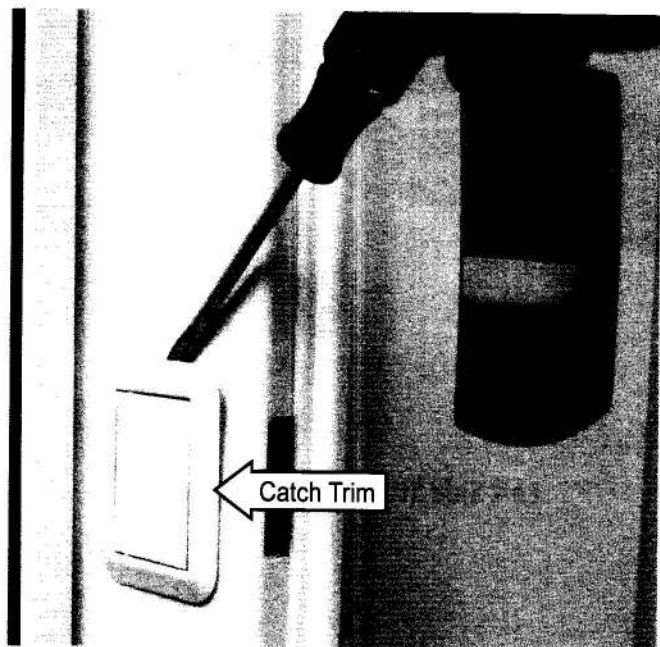
**Note:** Ice stored for more than 10 days could clump.

## Ice Door

The ice door utilizes a plastic strike that engages a metal catch that is recessed in the door liner.

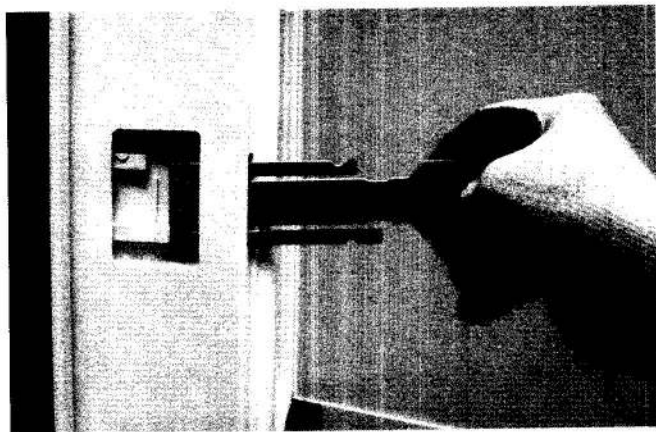
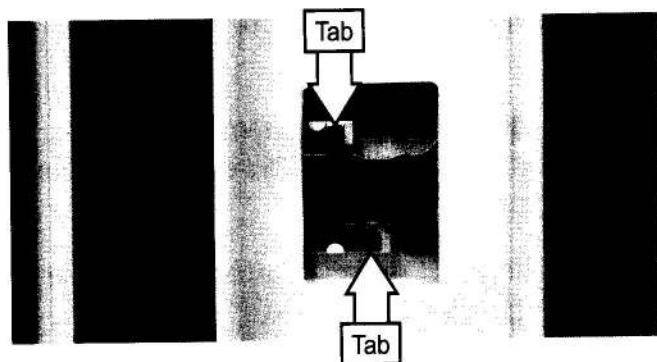


To access the door metal catch, it is necessary to pry out the catch trim using a small flat blade screwdriver.

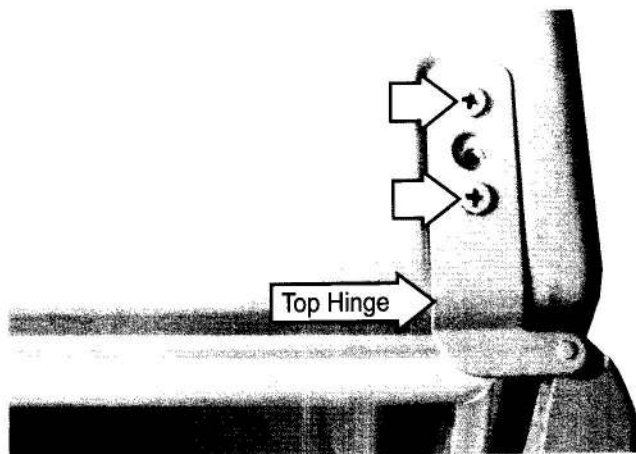


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The metal catch can be removed by lifting the 2 tabs out while pulling the catch from the door liner.



The ice door is attached to the left-side fresh food door with 2 hinges. Removing the 2 Phillips-head screws from the top hinge will allow the ice door to be lifted off the bottom hinge.

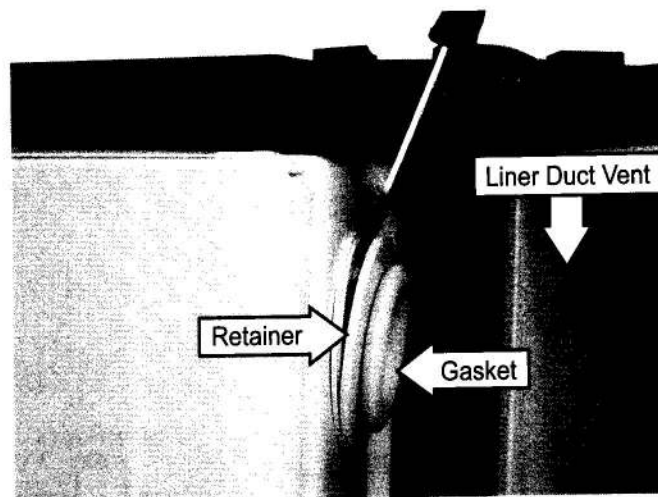


## Ice Compartment Vents

Both ice compartment vents utilize a gasket that seals to each liner duct vent when the left-side fresh food door is closed. It is necessary to pry out the gasket retainer to remove the gasket.

### Note:

- When installing the retainer, press the retainer in place with a slight twist counterclockwise.
- The liner duct vent is a non-replaceable part.



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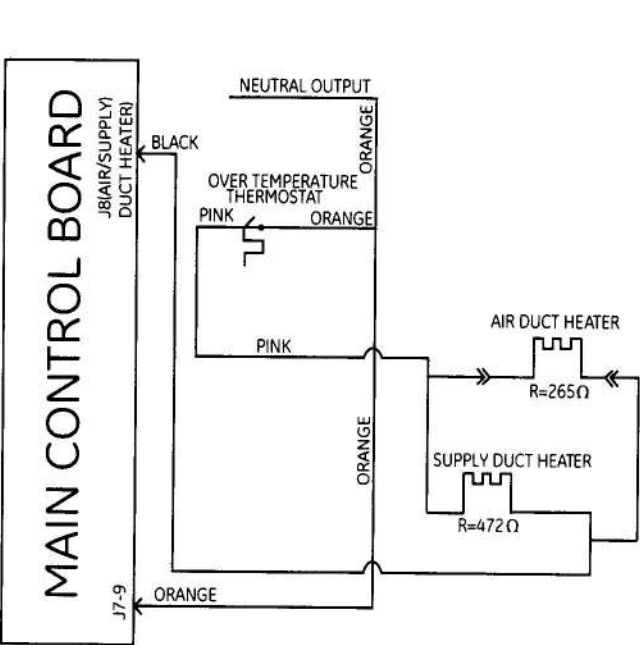
**Air Duct and Supply Duct Heaters**

Air duct and supply duct heaters are connected in parallel and located inside the left-side fresh food door.

Air Duct and Supply Duct heaters will come on with abnormally high door-open time and high humidity. (Abnormal = approximately 70 fresh food door openings for 12 seconds or more in a 16-hour period.)

Applied voltage to this circuit can be tested at the main control board J8 to J7-9.

To replace the air duct and supply duct heaters, it is necessary to replace the left-side fresh food door.



**Duct Port Heater**

The duct port heater is located inside the left-side fresh food door around the ice compartment port holes.

The duct port heater cycles on temperatures and ice compartment conditions. (Mid-settings = heater on time approximately 30%)

Applied voltage to this circuit can be tested at the main control board J7-5 to J7-9.

To replace the duct port heater, it is necessary to replace the left-side fresh food door.

