



## BUILT-IN OUTDOOR REFRIGERATOR

### Model FF591OS



### *User's Manual*

**BEFORE USE, PLEASE READ AND FOLLOW ALL SAFETY RULES  
AND OPERATING INSTRUCTIONS.**

*Write Serial Number here:*

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## UNPACKING THE REFRIGERATOR

- Remove tape, and clean off any residual glue from the refrigerator surfaces before turning the unit on. Apply a drop of liquid dish detergent over the residue with your fingers, wipe down using warm water and dry.
- In order to prevent damage to the surface of your refrigerator, do not use rubbing alcohol, flammable fluids, abrasive cleaners or sharp tools when removing the packing tape and glue.
- Discard or recycle all packaging material.
- Clean the inside of your refrigerator prior to operation. Refer to the “Cleaning Your Refrigerator” on page 6.

## IMPORTANT SAFETY INSTRUCTIONS

**The safety of you and others around you is very important.**

Safety messages should be read completely and followed at all times.



This is the safety alert symbol.

It indicates potential hazards that can kill or hurt you and others.

Messages about safety will tell you what the potential hazard is, how to reduce the chance of injury, and what can happen if the instructions are not followed.

### WARNING:

*To reduce the risk of fire, electric shock, or injury when using your refrigerator, follow these basic precautions:*

- Plug into a grounded 3-prong outlet.
- Do not remove the ground prong.
- Do not use an adapter.
- Do not use an extension cord.
- Disconnect power before servicing.
- Use nonflammable product when cleaning the refrigerator.
- Keep flammable materials, such as gasoline, away from the refrigerator.
- Use two or more people to move and/or install the refrigerator.

### **Proper disposal of old appliances:**

**DANGER!** Old appliances can represent a suffocation hazard to children.

- Remove doors from your old appliance.
- Leave shelves in place.
- If old appliance contains refrigerants, it must be recycled by a licensed service or disposal company.

**– SAVE THESE INSTRUCTIONS –**

## ELECTRICAL REQUIREMENTS

Before moving your refrigerator to its desired location, it is important to check that the proper electrical connection will be used.

### Recommended grounding method

A 115 Volt, 60 Hz., AC only, 15- or 20-amp fused, grounded electrical supply is required.

It is recommended that a separate circuit serving only your refrigerator be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

**NOTE:** Be sure to unplug the refrigerator prior to installation, cleaning, or general maintenance such as changing the light bulb.

## PLACING YOUR REFRIGERATOR

### WARNING:



*Two or more people are required to move and/or install the refrigerator. Failure to do so may cause back or other injury.*

**NOTE:** The letters “OS” in the model number of your appliance indicate that it can be used in outdoor settings. It has special insulation and a weather-resistant stainless steel body wrap. Also, a GFCI (Ground Fault Circuit Interrupter) is built into the line cord. In the event the refrigerator is not operating, first check to see that the GFCI has not tripped, then press the RESET button.

1. Choose a location for the refrigerator that has a strong, level floor. If such a place is unavailable, be sure to adjust the rotating leg supports such that the refrigerator is always kept level.
2. Your refrigerator needs at least ¼” (6.35 mm) of air space at the top and on the sides, and 2” (5.08 cm) at the rear to allow for proper air ventilation. Be sure that airflow under the appliance is not blocked. If the refrigerator is installed next to a fixed wall, provide at least 2½ inches (6.35 cm) of room on the hinge side to allow for the door to swing open.
3. Avoid direct sunlight and heat. Light will discolor the enamel finish. In addition, when placed near a heat source such as stove or direct sunlight, the refrigerator will consume more electricity. Similarly, avoid installing in relatively cold locations: do not install in a place where the temperature will fall below 55°F (13°C).
4. Avoid moisture. If placed near a sink or water faucet, the evaporator will frost faster because of the higher humidity.

### WARNING:

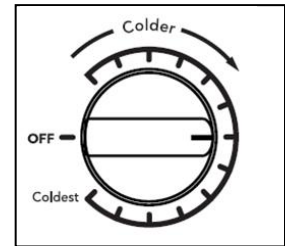


**EXPLOSION HAZARD.** *Keep flammable materials and vapors, such as gasoline, away from the refrigerator. Failure to do so can result in death, explosion or fire.*

## REFRIGERATOR FEATURES

### Temperature Control Knob

The refrigerator's temperature control knob is preset at the factory for your convenience. When first installing your refrigerator, be sure that the control is still in the mid-point setting as shown.



### Adjusting the Control Knob

The mid-setting indicated in the section above should be ideal for regular use.

However, if you need to adjust the temperature, be sure to wait at least 24 hours between adjustments. Check the temperature, and adjust the knob to the next higher setting to make the refrigerator colder. To make the refrigerator less cold, adjust the control to the next lower setting.

### Refrigerator Shelves

- You can remove the shelf by lifting up the front and pulling it out of the shelf slot.
- You can replace the shelf by inserting it into the shelf slot and pushing it toward the back of the compartment.

NOTE: Keep similar foods together on the same shelf. This helps to reduce the time the refrigerator door is open and therefore save energy.

#### **Important Information Regarding Glass Shelves:**

Never clean the glass shelves with warm water when they are cold. The glass may break if exposed to sudden temperature changes or impact, such as bumping.

The refrigerator's shelves use tempered glass, which is designed to shatter into many small, pebble-size pieces. This is normal.

Glass shelves are heavy. Use both hands when removing them to avoid dropping.

### Adjusting the Refrigerator Tilt

If your refrigerator seems unsteady or you would like the door to close more easily, you can use the four refrigerator leveling legs to adjust the tilt of the unit.

Be sure that the refrigerator is in its final position when making adjustments to the tilt, and that it is plugged into a grounded 3 prong outlet.

#### **WARNING:**



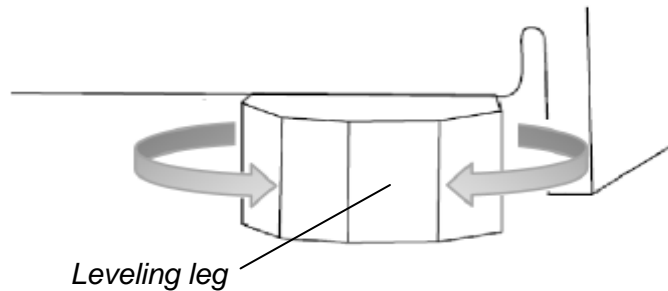
Two or more people are required to move and/or install the refrigerator. Failure to do so may cause back or other injury.

## WARNING:



- Plug into a grounded 3-prong outlet.
- Do not remove ground prong.
- Do not use an adaptor.
- Do not use an extension cord.

*Failure to follow these instructions can result in death, fire or electrical shock.*



- Turning a leveling leg to the right will lower the refrigerator toward the position of the leg. Likewise, turning to the left will raise the unit away from the leg.
- Several turns of the leveling legs may be required before the refrigerator tilt is properly adjusted.
- Turning both front legs the same amount to the left will tilt the refrigerator to the rear. This adjustment makes it easier for the door to close.

**NOTE:** It is easier to adjust the leveling legs if someone else pushes against the top of the refrigerator to take the weight off the legs.

## **Refrigerator Sounds**

After your new refrigerator has run for a while, you may notice some sounds being generated by the unit. These are normal. Any hard surfaces surrounding the unit, such as the floor or cabinetry, can make the sounds seem louder. The following list explains some of the sounds you may hear, and their causes.

- Your refrigerator uses a high efficiency compressor and fans to keep your food items at the desired temperature while minimizing energy usage. The fan and compressor may therefore run for longer periods than your old refrigerator. You may also notice a pulsating or high-pitched sound coming from the compressor or fans, as they adjust to optimize performance.
- As refrigerant flows inside the cabinet, you may hear some rattling noises. This may also be caused by items stored inside the cabinet.
- After each cooling cycle, you might hear a gurgling sound caused by the refrigerant flowing in your refrigerator.
- When the refrigerator is defrosting, you might hear water running into the drain pan.
- Each time the refrigerator starts or stops running, you may hear some clicking sounds.

# REFRIGERATOR CARE

## Cleaning Your Refrigerator

NOTE: To prevent the buildup of odors, clean the refrigerator about once a month. Follow the below procedures for cleaning:

1. Disconnect from power.
2. Remove parts such as shelves, etc. that can be taken out of the refrigerator.
3. Using a clean sponge or soft cloth, hand wash, rinse, and dry removable parts and interior surfaces thoroughly. Use a mild detergent in warm water. DO NOT use abrasive or harsh cleaners such as window sprays, scouring cleansers, flammable fluids, cleaning waxes, concentrated detergents, bleaches or cleansers containing petroleum products. DO NOT use harsh cleaning tools such as paper towels or scouring pads, as these can scratch or damage the surfaces of the refrigerator.
4. For stainless steel and painted metal exterior surfaces, use a clean sponge or soft cloth and a mild detergent in warm water. DO NOT use abrasive or harsh cleaners, or cleaners containing chlorine, as these can scratch or damage the material. Using a soft cloth, dry thoroughly.
5. To help with removing odors, you can use a mixture of warm water and baking soda (2 tbs to 1 qt of water) to wash the interior walls.
6. After cleaning, replace all of the parts that were removed from refrigerator.
7. The condenser coils, located behind the base grille, should also be cleaned regularly. This may be as often as every other month. Cleaning the condenser coils may help reduce how much energy the refrigerator uses.
  - Remove the base grille (see “Removing / Replacing the Base Grill” section on page 9).
  - When the condenser coils are dusty or dirty, use a vacuum cleaner with an extension attachment.
  - Replace the base grille.
8. After cleaning the refrigerator, plug in or reconnect power.

## Replacing the Light Bulb

NOTE: The bulb should be exchanged with one of the same size, shape, and wattage, as not all appliance bulbs are suited for your refrigerator.

1. Disconnect from power.
2. Remove the screw located at the back of the light shield with a Phillips screwdriver. By pulling the light shield back, remove the tabs attached to the refrigerator, and detach the light shield.
3. Replace the bulb.
4. To reattach the light shield, push the tabs back in. Align the holes and insert the screw, tightening as needed.
5. Connect to power.

## Vacations

Use up any perishable goods and freeze other items if you choose to leave the refrigerator on while you are away.

If the refrigerator will be turned off prior to your departure, follow these steps.

1. Remove all food from the refrigerator.
2. Unplug the refrigerator.
3. Clean the refrigerator. See “Cleaning Your Refrigerator” on page 6.
4. Prop the door open so that sufficient air can enter the refrigerator. Do so by taping a rubber or wood block to the top of the door. Allowing air to flow into the refrigerator prevents the buildup of odor and mold.

## Moving Care

Follow the instructions below to prepare your refrigerator when moving to a new location, such as a new home.

1. Remove all products from the refrigerator.
2. Unplug the refrigerator.
3. Clean, wipe, and dry the unit completely.
4. Take out all removable parts, wrap them, and tape them together securely so they don't shift and rattle during the move.
5. Tape the doors shut and tape the power cord to the rear of the refrigerator.

### WARNING:



Two or more people are required to move and/or install the refrigerator. Failure to do so may cause back or other injury.

#### **Important information about moving your refrigerator:**

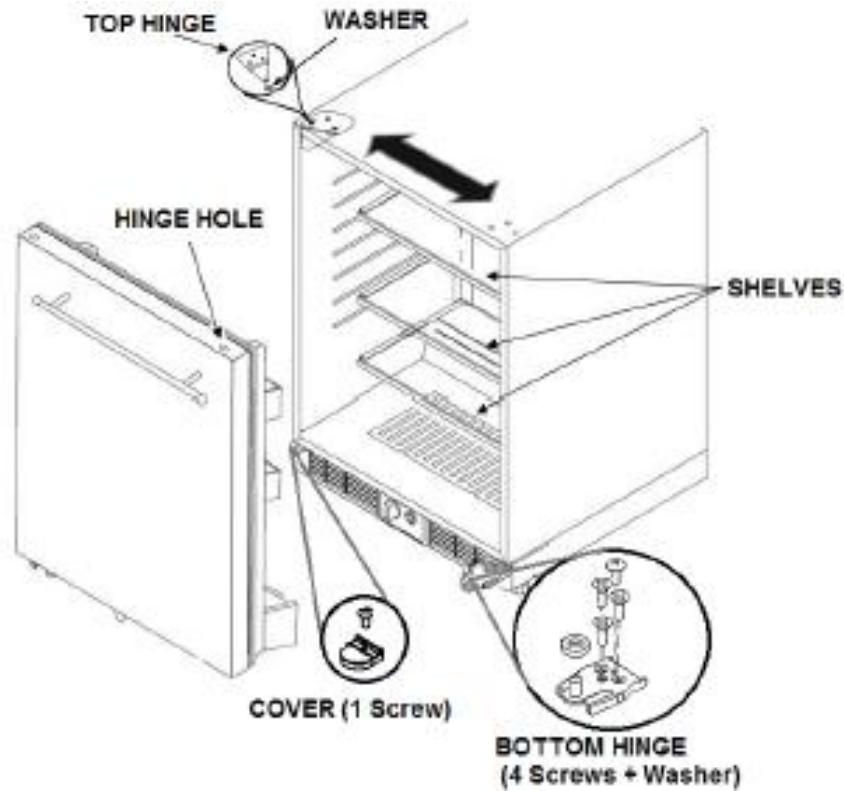
Your refrigerator is heavy. When moving the unit for cleaning or maintenance, cover the floor with cardboard or hardboard to prevent damaging your floor. You should always pull the refrigerator straight out when moving it. Do not wiggle or “walk” the refrigerator when trying to move it, as this can cause floor damage.

## Reversing the Door Hinge (optional)

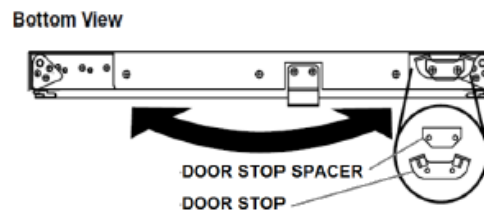
Required Tools: Phillips screwdriver

1. Disconnect power from the unit.
2. Remove each of the screws on the top of the unit. There should be a total of seven (3 on the hinge side, 4 on the unhinged side). Be careful not to lose or discard the screws.
3. Remove the TOP HINGE and WASHER (see picture on next page) and set aside.
4. Lift the door straight up and off of the BOTTOM HINGE.
5. Remove the screws fastening the BOTTOM HINGE and COVER to the bottom of the refrigerator cabinet. There are five screws total (4 for the hinge, 1 for the cover).

6. Move the **BOTTOM HINGE** and **COVER** each to the opposite side of the bottom of the refrigerator cabinet. Completely tighten the four **BOTTOM HINGE** screws, and tighten the **COVER** screw gently.



7. Remove the two screws fastening the **DOOR STOP SPACER** and the **DOOR STOP** to the bottom of the refrigerator door, and move the spacer and stop to the opposite sides.
8. Re-insert and completely tighten the screws.
9. Install the refrigerator door onto the washer and hinge pin of the **BOTTOM HINGE**.
10. Align the top hinge **WASHER** with the **HINGE HOLE** in the top of the door. Then, insert the **TOP HINGE** pin through the **WASHER** and into the **HINGE HOLE**.
11. Fasten the **TOP HINGE** with three screws and move the remaining four screws to the opposite side. Completely tighten the seven screws.

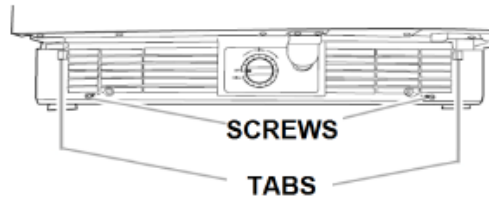


## Removing / Replacing the Base Grille

Required Tools: Phillips screwdriver

To remove the base grille:

1. Open the refrigerator door.
2. Remove the two SCREWS with a Phillips screwdriver. Release and remove the base grille from the refrigerator by pushing both TABS in toward the center.



To replace the base grille:

1. Open the refrigerator door.
2. Align both TABS into position, such that the base grille snaps into place.
3. Replace and tighten the two SCREWS.

## DISPOSING OF A WORN-OUT APPLIANCE

- When an appliance finally wears out, dispose of it.
- Before you dispose of your old appliance, take the door or doors off but leave the shelves and drawers in place so that children cannot easily climb inside.
- The refrigerating system of the appliance is filled with refrigerant and insulating substances which should be separately recycled. Either have a licensed appliance repair company or dealer remove the appliance or call your local recycling office for the appropriate disposal information.
- For the sake of environmental protection, be careful not to damage the rear wall of the appliance (the condenser unit or the tubes when moving the appliance) or any part of the refrigeration system inside the appliance.
- This refrigerator is 100% CFC-free, but the coolant is under pressure and puncturing the sealed system could be dangerous. The coolant used in the sealed system is non-toxic.
- Many older appliances may contain refrigerants that are harmful to the environment, and should be recycled by a lawfully licensed company.

## TROUBLESHOOTING

Many problems can be resolved without the need for a service call. Try the following list as a reference to potential solutions of common problems.

### Problems with the Refrigerator

PROBLEM: *The refrigerator is not operating.*

- Is the power supply cord unplugged? Plug into a grounded 3-prong outlet.
- Has a household fuse blown or a circuit breaker been tripped? Replace the fuse or reset the circuit.
- Is the temperature control knob in the OFF position or incorrectly set? See Temperature Control information on page 4.

PROBLEM: *The motor is constantly running, or running too much*

- Is it hotter than usual where the refrigerator is? At normal temperatures, the motor will typically run between 40% and 80% of the time. The motor will run even longer when the unit is in an unusually warm environment.
- Has a large amount of product been added to the appliance? The more that is added, the longer it will take for the unit to cool down. During this process, the motor will run longer.
- Is the door frequently opened? Warm air entering the refrigerator causes the motor to run longer. Keep the door closed as much as possible.
- Is the control set correctly? See Temperature Control information on page 4.
- Is the door completely closed? Push the door firmly shut.
- Are the condenser coils dirty? This prevents proper air transfer, and causes the motor to work harder. Clean the condenser coils. See the *Cleaning Your Refrigerator* section on page 6, and refer to #7.

PROBLEM: *The refrigerator temperature is too warm*

- Have you just added a large amount of product to the refrigerator? This will warm the interior of the unit until the unit is able to cool down to the correct temperature.
- Is the control set correctly? See Temperature Control information on page 4.

PROBLEM: *There is excessive moisture inside the refrigerator*

- Is the door opened frequently? If so, humidity from the room will enter the refrigerator and cause moisture to build up. This will happen even more if the air in the room is very humid.

PROBLEM: *The door is hard to open*

- Is the gasket dirty or sticky? Clean the gasket and the surfaces that it touches. Rub a thin coat of paraffin wax on the gasket after cleaning.

## LIMITED WARRANTY

### ONE-YEAR LIMITED WARRANTY

Within the 48 contiguous United States, for one year from the date of purchase, when this appliance is operated and maintained according to instructions attached to or furnished with the product, warrantor will pay for factory-specified parts and repair labor to correct defects in materials or workmanship. Service must be provided by a designated service company. Outside the 48 states, all parts are warranted for one year from manufacturing defects. Plastic parts, shelves and cabinets are warranted to be manufactured to commercially acceptable standards, and are not covered from damage during handling or breakage.

### 5-YEAR COMPRESSOR WARRANTY

The compressor is covered for 5 years.

Replacement does not include labor.

### **ITEMS WARRANTOR WILL NOT PAY FOR:**

1. Service calls to correct the installation of your appliance, to instruct you how to use your appliance, to replace or repair fuses or to correct wiring or plumbing.
2. Service calls to repair or replace appliance light bulbs or broken shelves. Consumable parts (such as filters) are excluded from warranty coverage.
3. Damage resulting from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation, installation not in accordance with electrical or plumbing codes, or use of products not approved by warrantor.
4. Replacement parts or repair labor costs for units operated outside the United States.
5. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.
6. The removal and reinstallation of your appliance if it is installed in an inaccessible location or is not installed in accordance with published installation instructions.

### DISCLAIMER OF IMPLIED WARRANTIES – LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR. WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS, SO THESE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.



**WARNING:** This product can expose you to chemicals including Nickel (Metallic) which is known to the State of California to cause cancer.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Note: Nickel is a component in all stainless steel and some other metal components.

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