Dometic

OPERATING INSTRUCTIONS

RM1350SL

FOR YOUR SAFETY

If you smell gas:

1. **Open windows.**
2. **Don't touch electrical switches.**
3. **Extinguish any open flame.**
4. **Immediately call your gas supplier.**

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

⚠ WARNING

If the refrigerator stops cooling - or - if it emits an ammonia smell, immediately turn the refrigerator off and contact a Service Center.

REVISION A
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For Service Center Or Dealer Locations Please Visit:
www.eDometic.com

INTRODUCTION

Thank you for purchasing a new Dometic refrigerator. This product is a recreational vehicle refrigerator intended for the storage of fresh and frozen foods, as well as making ice.

Appearance of your product may vary from illustrations shown in this document.

Not all instructions and procedures in this document will apply to your product. Read and follow the information pertaining to the specific model number of your product.

Please read and be aware of possible safety hazards identified in this manual, and become familiar with the alert symbols on the refrigerator. Read this manual carefully so that you know how to operate the refrigerator safely and correctly. Keep this manual with the refrigerator for future reference.

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SYMBOLS

The following symbols are used throughout this manual:

This is the safety alert symbol. It is used to alert you to personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ WARNING — WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION — CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

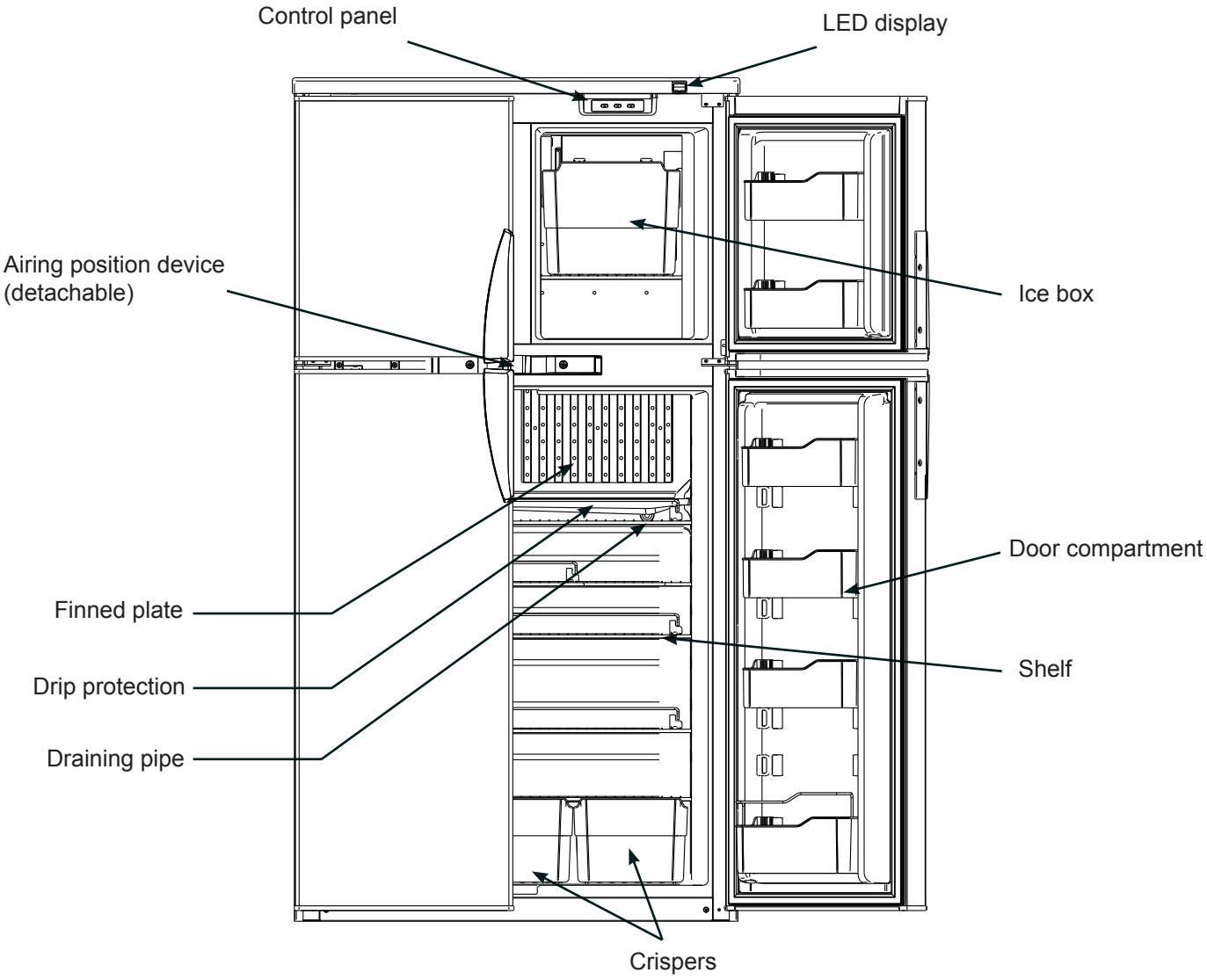
NOTICE — NOTICE is used to address practices not related to personal injury.

Information

Step-by-step instructions

REFRIGERATOR OVERVIEW

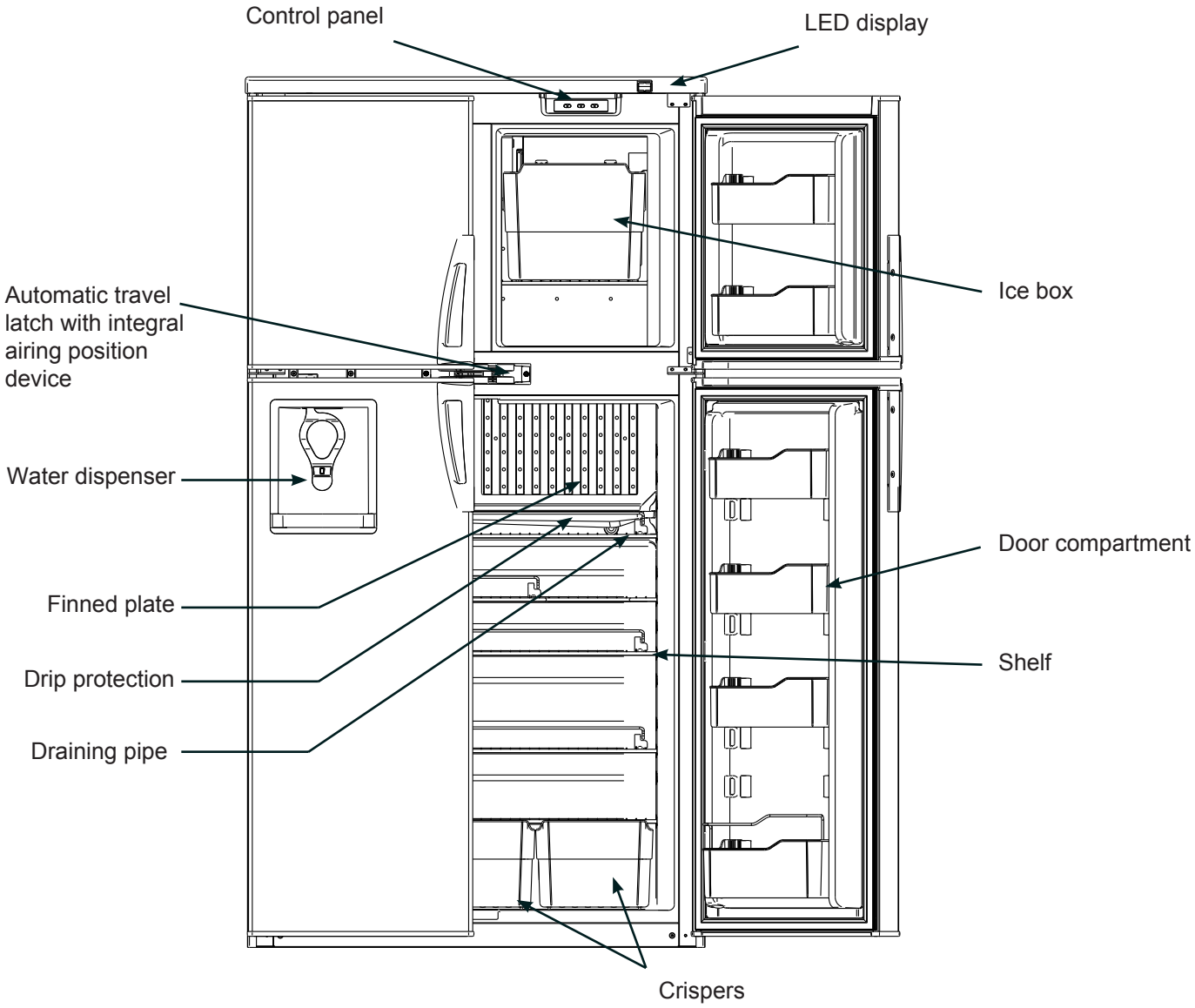
MODELS WITH THE MANUAL DOOR LOCKING SYSTEM



General view of the appliance. Model shown is equipped with ice maker. The number of shelves and door compartments may vary according to the user's requirements.

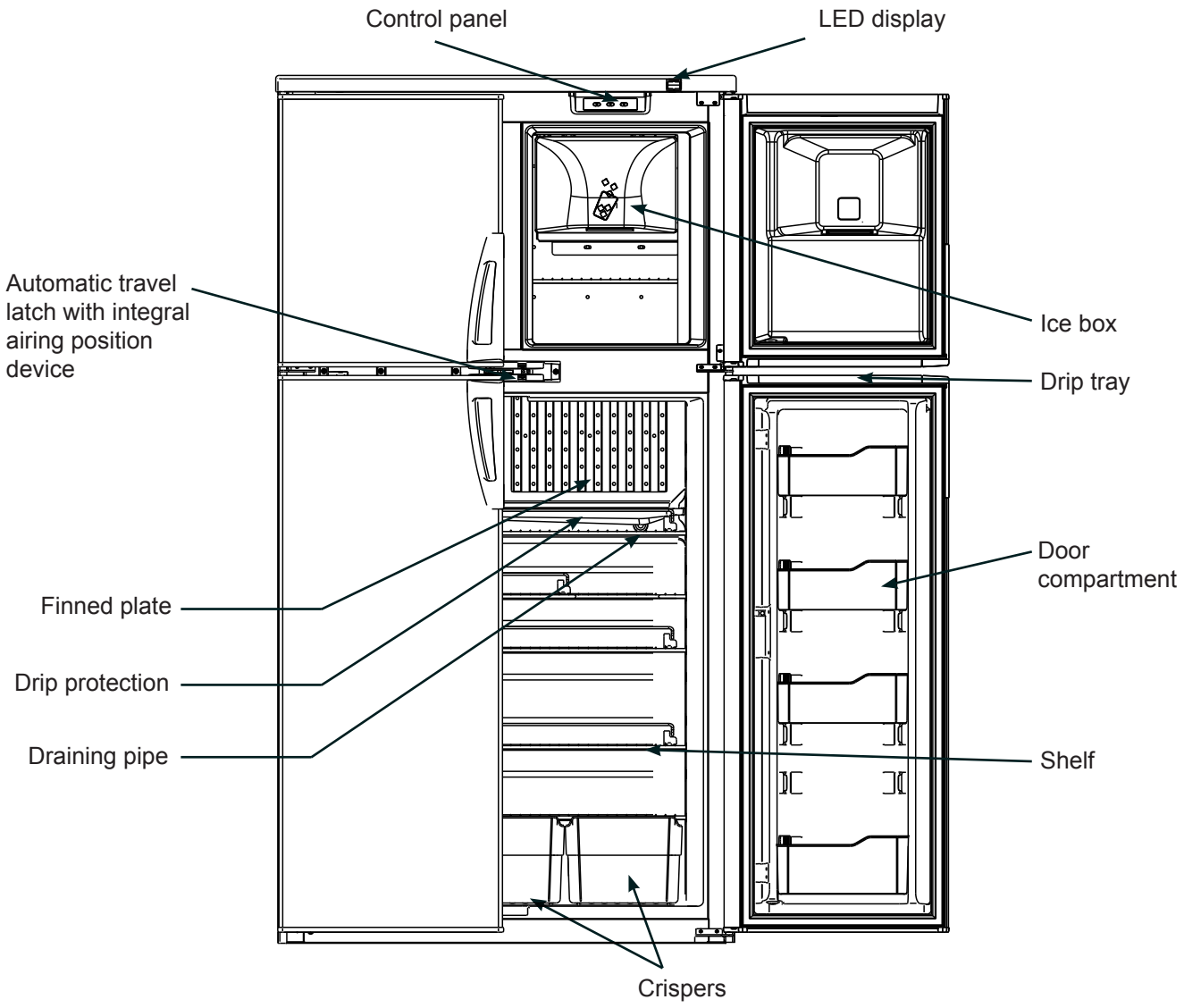
REFRIGERATOR OVERVIEW

MODELS WITH THE AUTOMATIC TRAVEL LATCH AND EQUIPPED WITH WATER DISPENSER



General view of the appliance. Model shown is equipped with ice maker and water dispenser. The number of shelves and door compartments may vary according to the user's requirements.

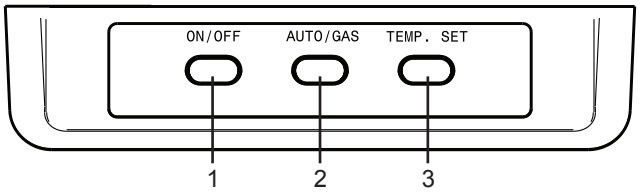
MODELS WITH THE AUTOMATIC TRAVEL LATCH AND EQUIPPED WITH ICE AND WATER DISPENSERS



General view of the appliance. The number of shelves and door compartments may vary according to the user's requirements.

REFRIGERATOR OVERVIEW

CONTROL PANEL

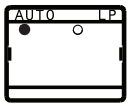
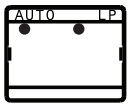
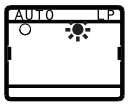
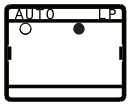
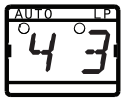
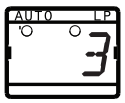


1. **ON/OFF button (main power)**
   Press the button to turn the refrigerator ON or OFF.
   Button In = Unit Is ON Button Out = Unit Is OFF

2. **AUTO/GAS mode selector button**
   Press the button to turn the AUTO mode ON or OFF.
   Button In = Auto Mode (Attempts Electric Mode First) Button Out = Auto OFF (Attempts LP Gas Mode Only)

3. **TEMP. SET button**

The thermostat has 5 settings where 1 indicates the warmest and 5 the coldest temperature setting. Press the button once to display the current setting. Continue to press repeatedly until the desired setting, e.g. 3, is shown in the LED display. This value is shown for about 5 seconds and then the fresh food compartment temperature is displayed once again.

LED PANEL INDICATIONS	STATUS INFORMATION
Display is on	Refrigerator on
Display is off	Refrigerator off
The AUTO indication dot is lit. 	AUTO mode and AC operation
The AUTO and LP indication dots are lit. 	AUTO mode and LP gas operation
The AUTO indication dot is lit. LP indication dot flashes slowly. 	Temporary gas lockout function. Only in AUTO mode. It delays LP gas operation by 15 minutes when ignition switch is turned OFF. This is for stopping at a refueling station.
The LP indication dot is lit. 	Manual LP gas operation mode.
Digits e.g.  	Fresh food temperature. Thermostat range setting indication (1 - 5). Temporary during setting. The thermostat settings are stored automatically after 5 seconds of inactivity.
Message indications: “60” is displayed. “LP” is flashing (The message alternates between “LP” and the fresh food compartment temperature.)	 Fresh food compartment temperature is above measurement range. LP gas operation lock out. (Check LP gas.)

MODELS WITH THE AUTOMATIC TRAVEL LATCH

The refrigerator is equipped with a travel latch that automatically locks the refrigerator's doors when the RV's engine is running. When the RV's engine is turned off, the latch unlocks the doors.

To open one of the refrigerator doors while the engine is running, the travel latch must be manually unlocked. To unlock, simply slide the shutter to the left. The doors will automatically lock again after 5 seconds.

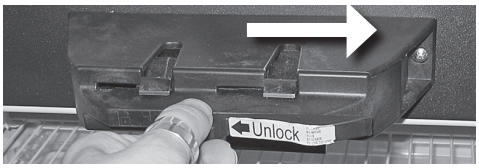
IF THE REFRIGERATOR HAS BEEN TURNED OFF

When the engine is turned on, a signal through the alternator (D+) activates the travel latch which in turn locks the refrigerator doors. When turning off the engine, the doors will not open automatically as usual because the refrigerator is turned OFF. In order to switch on the refrigerator, the doors must be manually unlocked.

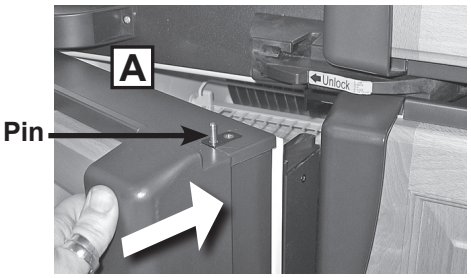
AIRING POSITION

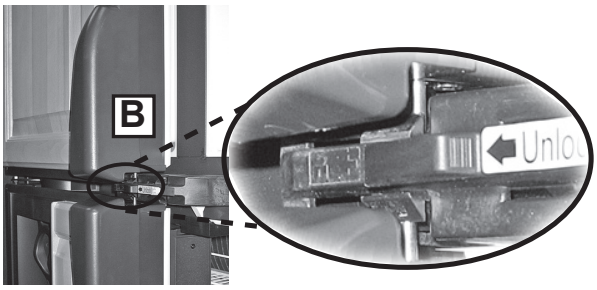
When the refrigerator is turned off for a period of time it is recommended that the refrigerator is emptied, defrosted, cleaned, and the doors placed ajar in the airing position. To ensure the doors stay in the airing position, use the automatic travel latch's airing position functionality.

1. Open the refrigerator doors. Slide the shutter to the right. The automatic travel latch is locked.

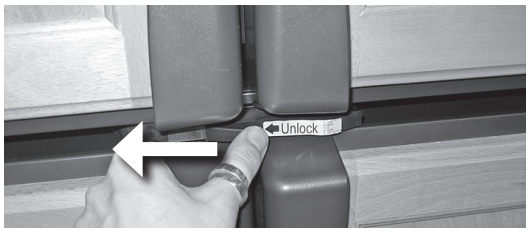


2. Gently close the doors (A) until the pins click into position (B).





3. Verify that a small spacing has been created between the cabinet and the doors and that the doors have not been closed completely. If so, unlock the latch and close the doors again.
4. In order to open the doors again the travel latch must be unlocked. Push to close the doors completely and then, slide the shutter to the left to unlock the latch.



REFRIGERATOR OVERVIEW

MODELS WITH THE MANUAL DOOR LOCKING SYSTEM

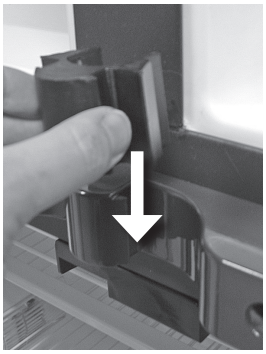
MANUAL LOCKING SYSTEM

The refrigerator is equipped with a manual locking system. The doors are automatically locked when closed. To unlock, simply open the doors as usual.

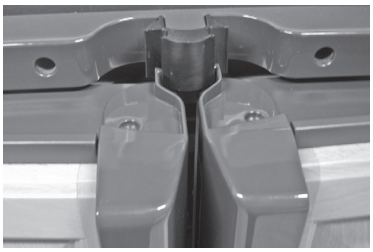
AIRING POSITION

When the refrigerator will not be in operation for an extended period of time, it should emptied, defrosted, cleaned, and the doors placed in the airing position. To ensure the doors stay in the airing position, use the detachable airing position device.

1. Open the refrigerator doors, and slide the device in place.



2. Close the refrigerator doors. These will immediately hook to the front edge of the airing position device creating a small spacing between the cabinet and the doors.



3. To detach, open the doors and slide the device upward. Remove and keep in a safe place. Close the doors.

ABSORPTION COOLING SYSTEM

When starting this refrigerator for the very first time, the cooling cycle may require up to four hours of running time before the cooling unit is fully operational.

LEVELING THE REFRIGERATOR

Leveling is one of the requirements for proper operation with absorption refrigerators. To ensure proper leveling, the vehicle needs to be leveled enough to be comfortable to live in (no noticeable sloping of floor or walls).

Any time the vehicle is parked for several hours with the refrigerator operating, the vehicle should be leveled to prevent this loss of cooling.

When the vehicle is moving, the leveling is not critical, as the rolling and pitching movement of the vehicle will pass to either side of level, keeping the liquid ammonia from accumulating in the evaporator tubing.

WHEN THE REFRIGERATOR IS NOT IN USE

Any absorption refrigerator that is to be taken out of service for an extended period of time should be turned off.

It is important that you do not leave the refrigerator to run idle and/or unattended for days or weeks.

PURGING AIR FROM THE LINES

If the refrigerator has not been used for a long time - or - the LP tanks have just been refilled, air may be trapped in the supply lines. To purge the air from the lines, turn the refrigerator off and on by pressing the ON/OFF button. If the flame is not lit within 45 seconds, turn the refrigerator off and back on again. This procedure can be repeated 3 to 4 times. If repeated attempts fail to start the LP gas operation, check to make sure that the LP gas supply tanks are not empty and that all manual shutoff valves in the lines are open. If these items do not appear to help, then take it to a qualified service technician.

AUTOMATIC COOLING UNIT CYCLING SYSTEM AND LOW AMBIENT CONTROL

The first automatic frost reduction cooling unit cycle begins 60 hours after turning ON the refrigerator (for best operational results the refrigerator should be turned on anytime between 4 and 10 PM), and will last for approximately 120 minutes. Thereafter, the cycle will automatically repeat every 48 hours as long as the refrigerator continues to run.

The automatic Low Ambient Control (LAC) ensures trouble-free operation in low ambient temperatures (e.g. below 50° F).

MODES OF OPERATION

The refrigerator is equipped with a control system where the user can choose to turn the AUTO mode on or off.

AUTO MODE IS TURNED ON

The system is fully automatic which means that it selects the most suitable energy source available, either 120 VAC or LP gas operation.

TEMPORARY GAS LOCKOUT

When the refrigerator's temporary gas lockout is connected, the LP gas operation will automatically be locked out for a period of 15 minutes when the engine is switched off. This will prevent LP gas operation e.g. when stopping at a refueling station.

AUTO MODE IS TURNED OFF (GAS MODE)

The system operates on LP gas only. The control system activates the ignition system and makes one attempt to light the burner. **Note that the temporary gas lockout feature does not work when the AUTO mode is turned off!** Consequently, when parking close to a gasoline pump all LP gas appliances vented to the outside of the vehicle must be turned off. Otherwise gasoline fumes from gasoline pumps might enter LP gas appliance and these can then ignite from the burner flame and cause a fire or an explosion.

⚠ WARNING

FIRE OR EXPLOSION HAZARD. While refueling or parking near a gasoline pump, be sure that the AUTO mode button on the refrigerator is turned ON or that all LP gas appliances are shut OFF. Failure to obey this warning could cause a fire or explosion resulting in death or severe personal injury.

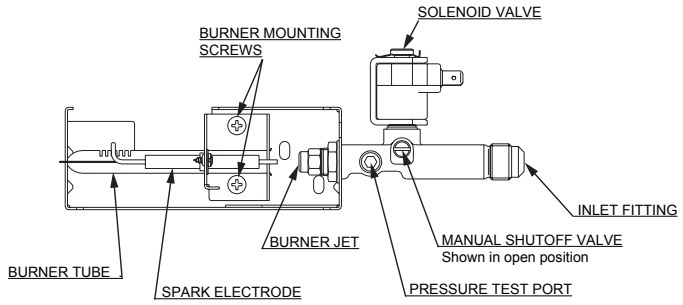
INSTRUCTIONS FOR USE

STARTING THE REFRIGERATOR

⚠ WARNING

FIRE HAZARD. When the RV has not been used for some time, make sure that the path between the burner jet and the burner tube has not been obstructed before lighting the LP gas burner. Failure to obey this warning could cause a fire resulting in death or serious injury.

LP GAS EQUIPMENT ASSEMBLY



1. Check that all the manual gas valves are in the ON position.
2. Make sure that a continuous 12 VDC supply is available for the electronic control to function.
3. Press the ON/OFF button.
4. Select operation mode:
   - AUTO mode (AC and LP gas)
     Press the AUTO/GAS mode selector button (if not already on).
   - GAS mode (LP gas operation only)
     Press the AUTO/GAS mode selector button to turn off the AUTO mode (if not already off).

ADJUSTING THE THERMOSTAT

The adjustable thermostat ranges from 1 - 5 (5 = coldest temperature setting).

After the initial start-up, adjust the thermostat by pressing the TEMP. SET button repeatedly until the desired setting is displayed.

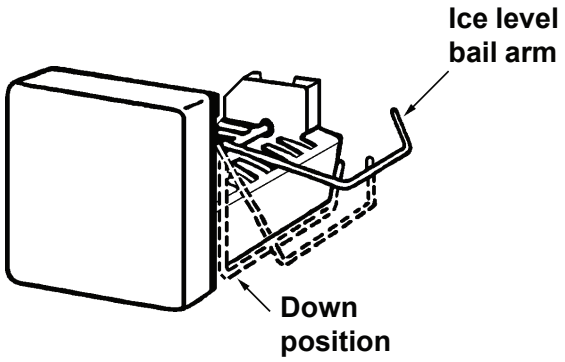
The thermostat controls both the gas and electric operation. Thus, it is not necessary to reset each time a different energy source is employed.

OPERATING THE ICE MAKER

RM1350IM, RM1350MIM, RM1350WIM & RM1350WID

Before the ice maker can operate, make sure that:

- The refrigerator is connected to 120 VAC .
- The water valve supplying the refrigerator is turned on.
- The ice level bail arm is in its fully down position.



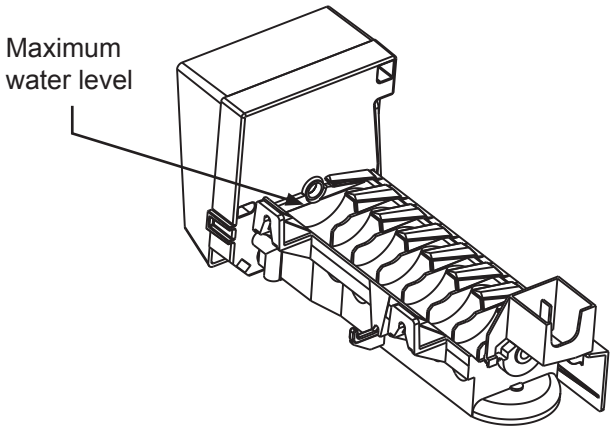
When the ice maker thermostat senses the preset temperature for the ejection of the ice cubes, the fingers will start to rotate, dumping any ice cubes and filling the mold with water. When the storage container is full, the bail arm will come in contact with the ice cubes. The bail arm cannot return to the full down position and the ice production is stopped until the bin is emptied, or ice cubes are removed.

To prevent water from splashing out of the mold assembly while travelling in your recreational vehicle, raise the bail arm to the full UP/OFF position about 1-1/2 hours before departing. This will allow the water in the mold to freeze.

WATER SUPPLY

The water supply system must have a minimum pressure of 15 pounds per square inch gauge (psig). A 1/4" diameter water line to the water valve should be used at the rear of the refrigerator. The water line must have a manual shutoff valve placed where it is easily accessible.

The maximum water level is represented by a thin line. It is essential that the water level does not exceed this line!



If necessary,change the water flow by adjusting the water supply. For instructions, see ADJUSTING THE SIZE OF CUBES.

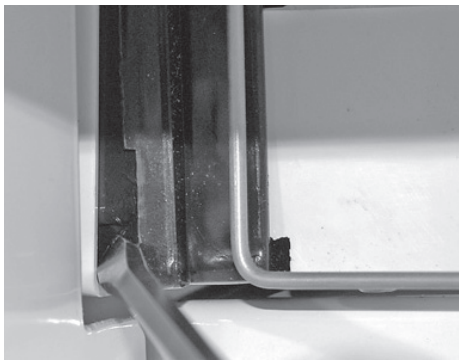
ADJUSTING THE SIZE OF CUBES

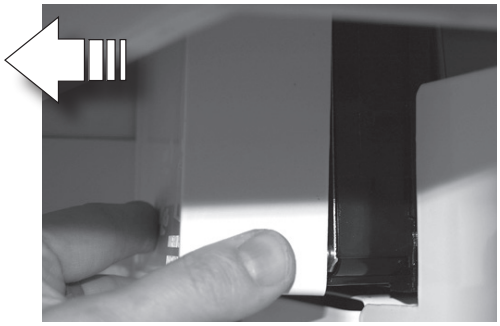
If the ice maker was cleaned and drained, no ice cubes will be dumped into the bin during the first cycle.

The first few cycles may have small cubes due to air trapped in the water lines. The first container of ice cubes should be dumped if the water system has been winterized or not used for several weeks. Once the ice maker has run through several cycles and if cubes are too small or sticking together, adjustment is necessary on the amount of water entering the mold.

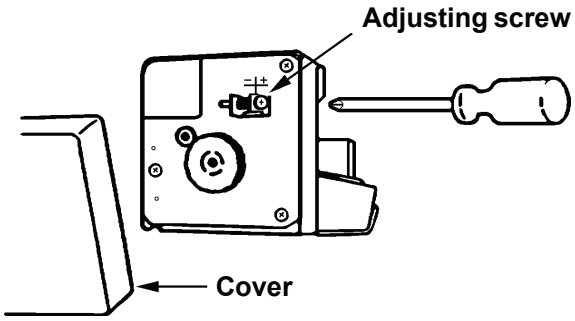
TO ADJUST THE SIZE OF CUBES, FOLLOW THESE STEPS:

1. Remove the protective cover from the ice maker mechanism. Using a flat-head screwdriver, place the tip of the screwdriver in the slot. Twist the screwdriver blade gently to loosen the cover.





2. Locate the adjusting screw under the protective cover. Turn the screw counterclockwise to increase the size of cubes.

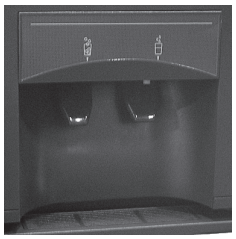


3. Turn the screw clockwise to decrease the cube size or if the mold is overfilling, and the cubes are stuck together.

To prevent overfilling, do not turn the adjustment screw more than one revolution at a time. Allow the ice maker to cycle several times before another adjustment is made. Be sure to replace the protective cover on the cycle after the adjustments are complete.

DISPENSER(S) (RM1350WIM & RM1350WID)

RM1350WIM
Water Only



RM1350WID
Ice / Water

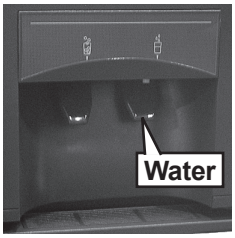
If new installation or used for the first time after the RV has been winterized/put into storage, the water tank, located inside the refrigerator, must be filled with water.

TO FILL THE TANK WITH WATER, FOLLOW THESE STEPS:

1. Verify that the water valve supplying the refrigerator is turned on.
2. Insert a glass and press the water dispensing lever for approximately 20 seconds.
3. Pull glass away.
4. Repeat steps 1 and 2 until water begins dispensing.

WATER DISPENSER (RM1350WIM & RM1350WID)

RM1350WIM



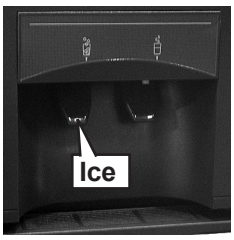
RM1350WID

TO DISPENSE WATER, FOLLOW THESE STEPS:

1. Insert a glass in the dispensing cavity and press the lever. This will activate a switch which turns on an electric water valve at the back of the refrigerator. Water will flow through a separate tube and out of the dispenser.
2. To stop dispensing, pull glass away from the lever when 3/4 the desired amount has been dispensed.

If new installation, or used infrequently, dispense numerous glasses of water before use. To keep the water fresh, it is recommended to use the dispenser every day.

INSTRUCTIONS FOR USE



RM1350WID

ICE DISPENSER (RM1350WID)

In order to provide a smooth and consistent flow rate of ice and to avoid ice spillage, please make sure to adjust the size of the ice cubes as described in ADJUSTING THE SIZE OF CUBES.

TO DISPENSE ICE, FOLLOW THESE STEPS:

1. Insert a glass in the dispensing cavity and press the left lever.
2. The ice maker has previously produced ice that are stored in a large bin. When the lever is pressed, a switch is activated. It turns on a motor which rotates the auger. When the auger rotates, it pushes ice out of the bin, through a chute right into the glass.
3. To stop dispensing, pull glass away from dispensing arm before the glass is full. Allow ice chute to clear before removing glass.

TURNING OFF THE REFRIGERATOR, AND WHEN NOT IN USE.

You can turn off your refrigerator by pressing the main power ON/OFF button found on the control panel to the OFF position. This will shut off all power to the refrigerator, including DC power to the refrigerator.

If the refrigerator will not be in operation for an extended period of time or put into winter storage, the water reservoir as well as the refrigerator storage areas should be emptied, defrosted, cleaned, and the doors placed in the airing position. If ice cube trays are in use, they should also be dried and kept outside the cabinet.

NOTICE

This refrigerator is intended for continuous use. Do not allow it to run unattended when there is a risk for loss of electricity or fuel. Food spoilage could occur.

The refrigerator's control system still consumes a few milliamps even if it is turned off. If your RV is being put into winter storage, it is recommended to either put your RV batteries on a battery charger or turn off the vehicle's main 12 VDC switch. This will prevent the RV battery from discharging.

STORAGE COMPARTMENTS

⚠ WARNING

FIRE OR EXPLOSION HAZARD. Do not store or use gasoline, oil or gasoline soaked rags, or other flammable vapors and liquids in the service area behind the refrigerator or in the vicinity of this or any other gas appliance. Failure to obey this warning could cause a fire or an explosion resulting in death or serious injury.

REFRIGERATOR VOLUME

Total refrigerator volume: 12.3 cu. ft.

FOOD STORAGE COMPARTMENT

- Cool the refrigerator before placing any food inside. Never put hot food or drinks into the refrigerator - cool them first.
- The food storage compartment is completely closed and unventilated, which is necessary to maintain the required low temperature for food storage. Consequently, foods having a strong odor or those that absorb odors easily should be covered.
- Vegetables, salads, etc. should be covered to retain their crispness.
- The coldest positions in the refrigerator are under the cooling fins and at the bottom of the refrigerator. The warmer areas are on the upper door shelves. This should be considered when placing different types of food in the refrigerator.
- Arrange all food in the unit to allow for free air circulation. Do not overpack because a stuffed refrigerator must work harder and will have higher cabinet temperatures.
- Do not leave the unit's door open any longer than necessary. This will reduce frost formation and increase the efficiency of the refrigerator.

FROZEN FOOD STORAGE COMPARTMENT

This compartment is not designed for deep or quick freezing of food.

- To prevent food from drying out, keep it in covered dishes, containers, plastic bags or wrapped in aluminum foil.
- Meat or fish, whether raw or prepared, can be stored in the frozen food storage compartment provided they are precooled first in the refrigerator. They can be stored about three times longer in the frozen food compartment as compared to the fresh food compartment.
- Quick frozen soft fruits and ice cream should be placed in the coldest part of the compartment, which is at the bottom of the aluminum liner.
- Frozen vegetables, may be stored in any part of the compartment.
- To prevent frost buildup, which can reduce the efficiency, wipe excess moisture off items being placed in the compartment.

STORAGE COMPARTMENTS

SHELVES

USING THE SHELF GUARDS

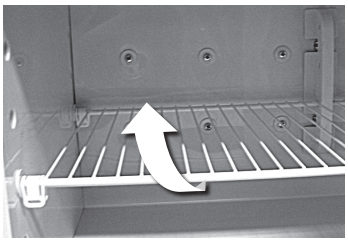
To prevent food product containers from shifting, two sliding retainer bars are mounted on the shelves. These can be employed to separate the shelf into smaller sections which will hold the contents in place. Slide the shelf guards snugly against food item(s). The “front to back” shelf guard must be in upright position.

GUARDS IN UPRIGHT POSITION

LOCKING THE SHELVES IN UPRIGHT POSITION

It is possible to arrange the shelves in many ways to fit your needs. To gain more space, a shelf can be removed and locked into an upright position at the rear of the refrigerator compartment. Remove the shelf locks as described in step 1 of “Removing And Replacing The Shelves”. Tilt the shelf (A) and secure with the shelf locks (B).

A



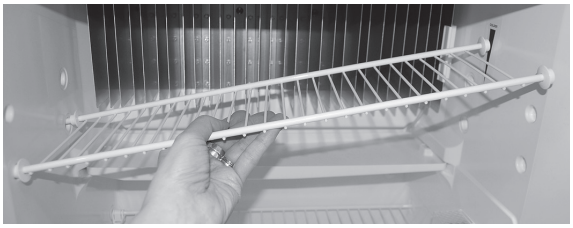
B

SHELF LOCK

REMOVING AND REPLACING THE SHELVES

1. Remove the shelf locks by inserting the tip of a flat bladed screwdriver into the slot of the locks. Turn the screwdriver counterclockwise and then remove the shelf locks from the wire shelf.

2. Slide the shelf to the left until bushings disengage, then tilt the shelf to one side at an angle while pulling forward.



3. Reposition the shelf in the desired location. Insert the ends of the wire shelf on the left-hand side and slide the shelf into the holes on the right-hand side.
4. Slide the plastic plugs into the holes of the wall.
5. Snap the shelf locks back onto the wire shelf.

PRODUCT CARE

DEFROSTING

1. Shut off the refrigerator by pressing the main power ON/OFF button (OFF position).
2. Empty the refrigerator.
3. Leave the cabinet and freezer doors open and make sure the drip tray is in place under the finned evaporator.

Defrosting time can be reduced by filling ice trays with hot water and placing them in the freezer compartment.

⚠ WARNING

FIRE AND INHALATION HAZARD. Do not use a knife, ice pick, or any other sharp tool to remove frost from the freezer compartment. Failure to obey this warning could cause a leak in the ammonia cooling system which could lead to a fire hazard resulting in death or serious injury.
An ammonia leak also poses an inhalation hazard, and could cause chemical burns to the skin and eyes. Exposure to a high concentration of ammonia could result in death or serious injury.

NOTICE

Do not use a hot air blower to remove frost from the freezer compartment. Permanent damage could result from warping the metal or plastic parts.

4. When all the frost has melted, dry the interior with a clean cloth and turn the refrigerator back on.
5. Set the thermostat to the coldest setting for a few hours. Then, reset the thermostat to the desired setting, usually at mid setting. Replace food after refrigerator has reached appropriate cool temperature.

STORAGE PROCEDURE/WINTERIZING THE REFRIGERATOR

RM1350IM, RM1350MIM, RM1350WIM & RM1350WID

The refrigerator is equipped with a heater tape wrapped around the water solenoid valve and outlet water tube. During cold weather operation below 32°F/0°C the automatic temperature switch will turn the heater tape on automatically.

If the RV will not be in use for an extended period of time or put into storage:

- Drain the RV water system.
- Disconnect the water lines from the inlet and outlet sides of the water valve. Drain the lines into a cup and allow the lines to dry.
- The ice maker and water reservoir should be drained and dried. Note that this procedure must be performed by a qualified service technician.
- Using a lukewarm soda solution, clean the interior liner of the refrigerator. Clean the finned evaporator and shelves. Use warm water only and never strong chemicals or abrasives since these can damage the protective surfaces.
- Place doors in the airing position.

CLEANING

Always keep the refrigerator clean. Cleaning the refrigerator is usually done after it is defrosted or put into storage. Use a lukewarm, weak soda solution to clean the interior liner of the refrigerator. Use warm water only to clean the finned evaporator, gasket, and shelves. Do not spray liquids near electrical outlets, connections, or the refrigerator components.

NOTICE

Do not use strong chemicals or abrasives to clean these parts, as the protective surfaces will be damaged.

To keep the refrigerator operating efficiently, periodic inspection and cleaning of several components once a year is recommended:

- Check the lower vent, upper vent and area between these openings for any obstructions such as bird/insect nests, spider webs, etc.
- Make sure the refrigerator area is free from combustible material, gasoline and other flammable vapors or liquids.

⚠ WARNING

FIRE OR EXPLOSION HAZARD. Do not store or use gasoline, oil or gasoline soaked rags, or other flammable vapors and liquids in the service area behind the refrigerator or in the vicinity of this or any other gas appliance. Failure to obey this warning could cause a fire or an explosion resulting in death or serious injury.

- If accessible, clean the coils on the back of the refrigerator. Use a soft bristled brush to dust off the coils.

MAINTENANCE & SERVICE

To keep the refrigerator working properly, a qualified service technician should, at least once a year, inspect the connections, the control system, the LP gas pressure and flue baffle.

⚠ WARNING

FIRE AND INHALATION HAZARD. If the refrigerator stops working -or- if it emits an ammonia smell, immediately turn the refrigerator off, leave the vicinity, and contact a Service Center.

A high concentration of ammonia refrigerant could cause an inhalation hazard, could cause chemical burns to the skin and eyes, and could cause a fire resulting in death or serious injury.

REPLACING THE FUSES

The refrigerator is equipped with the following 3 fuses:

- 5 A fuse for 12 VDC.
- 5 A fuse for the AC heating element.
- 3 A in-line fuse for the fan and heat tape and for RM1350IM, RM1350MIM, RM1350WIM & RM1350WID for the ice maker, water and ice dispensers.

TO REPLACE A FUSE, FOLLOW THESE STEPS:

1. Turn off the refrigerator and unplug the power cord.
2. Remove the 12 VDC power.
3. Open the power module cover.
4. Snap the fuse out of the fuse holder.
5. Fit the new fuse in to the fuse holder.
6. Close the power module cover.

PERIODIC MAINTENANCE

To be performed by a qualified service technician only.

CHECKING THE LP GAS CONNECTIONS

1. Check all connections in the LP gas system (at the back of the refrigerator) for gas leaks. The LP gas supply must be turned on.
2. Apply an approved leak detection solution to all LP gas connections. The appearance of bubbles indicates a leak and should be repaired *immediately*!

⚠ WARNING

FIRE OR EXPLOSION HAZARD. Never use an open flame to check for gas leaks. Failure to obey this warning could cause a fire or explosion resulting in death or serious injury.

CHECKING THE CONTROL SYSTEM

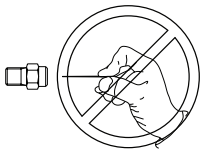
Check the AMES control system by connecting/disconnecting the 120 VAC power, starting/stopping the engine, etc.

CLEANING THE BURNER

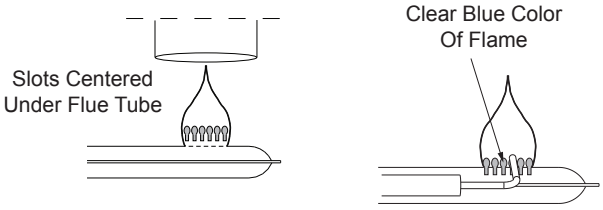
1. Turn off the refrigerator
2. Unplug the power cord from the 120 VAC outlet. Disconnect the wires or shut off the 12 VDC power supply to the refrigerator.
3. Turn off the manual shut off valve.
4. Remove cover from burner housing.
5. Clean the burner tube with a brush. Blow out the burner with compressed air.

⚠ WARNING

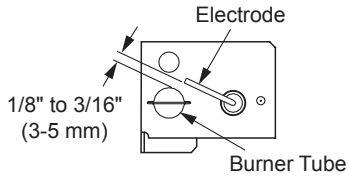
FIRE HAZARD. Never use a wire or pin to clear obstructions from the burner jet as damage will occur. Do not attempt to adjust the burner jet. Failure to obey this warning could cause a fire resulting in death or serious injury.



6. Verify that the burner jet slots are centered under the flue tube.
7. Be sure to check the burner flame for proper appearance. The flame should be clear blue over the slots of the burner.



8. Check the electrode for proper location and gap. Adjustments may be made with needle nose pliers if necessary.



9. Turn on the manual gas shut off valve.
10. Examine all fittings for leaks. Use a commercial non-corrosive bubble solution.
11. Connect the 120 VAC power cord.
12. Reconnect/Turn on the 12 VDC power.
13. Check LP gas safety shutoff.

REFRIGERATOR REMOVAL

Refrigerator removal and installation should be performed by a qualified service technician.

Before removing the refrigerator:

1. Verify that the 120 VAC power cord is disconnected at the rear of the refrigerator.
2. Verify that the 12 VDC leads are disconnected and capped at the rear of the refrigerator.
3. Shut off the gas supply.
4. Disconnect and cap the LP gas line at rear of refrigerator.

NOTICE

Always use a backup wrench when loosing and tightening LP gas connections.

To remove the refrigerator:

1. Remove the screws anchoring the refrigerator to the enclosure.
2. Slide the refrigerator out of the compartment.

To replace the refrigerator:

1. Make sure the sealing strips (isolating the appliance combustion system from the vehicle interior) are properly positioned for a complete seal.
2. Slide the refrigerator back into the compartment.
3. Replace the screws anchoring the refrigerator to the enclosure.
4. Reconnect the LP gas supply line at the rear of the refrigerator.

NOTICE

Always use a backup wrench when loosing and tightening LP gas connections.

5. Check all connections for LP gas leaks.
6. Reconnect the 12 VDC leads at rear of refrigerator.
7. Reconnect the 120 VAC power cord at rear of refrigerator.

TROUBLESHOOTING

TROUBLESHOOTING TABLE

If you run into a problem, refer to the troubleshooting table below. If an error code is displayed, please see “Error Codes” for more information.

SYMPTOM	CHECK/REMEDIAL ACTION
Refrigerator stops cooling	• Immediately turn the refrigerator off and contact a Dometic dealer or Service Center. NOTE! Do not leave it running for an extended period of time, and never try to solve the problem by repeatedly restarting the refrigerator. • Do not use the refrigerator until it has been repaired.
Refrigerator emits an ammonia smell	• Immediately turn the refrigerator off at front control panel. • Do NOT open refrigerator doors. • Open coach windows and door (to air out the coach) and evacuate. • Turn off manual LP gas valve at rear of refrigerator. • Disconnect the 120 VAC power at rear of refrigerator. • Contact a Dometic dealer or Service Center for repair. • Do not use the refrigerator until it has been repaired.
Refrigerator or freezer is not cold enough	• Check the thermostat and adjust if necessary. • Is there a power failure? • Is the refrigerator level? (Due to the nature of its operation it is important to keep an absorption refrigerator level.) • Door closing properly? Check the door gasket. • Heavy frost build-up on evaporator fins? To prevent frost buildup do not leave the unit’s door open longer than necessary. • Over packed refrigerator? The unit will have to work harder if the refrigerator is stuffed, and results in higher cabinet temperatures. Arrange the food in the unit to allow for free air circulation.
Refrigerator does not work on electric	• Is the plug firmly connected to the receptacle? Is the receptacle energized? Check the receptacle by plugging in another appliance. • Is there a power failure? • Blown fuse. Turn refrigerator off and contact a Dometic dealer or Service Center for repair.
Refrigerator does not work in gas operation mode	• LP gas bottle empty? Change the gas bottle. • Air in the gas pipe? Remove air by repeating the ignition sequence. • If the problem persists, turn refrigerator off and contact a Dometic dealer or Service Center for repair.
Refrigerator emits an odor from fumes	• Dislocated or damaged burner. Turn refrigerator off and contact a Dometic dealer or Service Center for repair. • Dirty flue tube. Turn refrigerator off and contact a Dometic dealer or Service Center for repair.
“LP” is flashing (The message alternates between “LP” and the fresh food compartment temperature.)	• LP gas ignition failed. The refrigerator went through a complete ignition sequence, and the burner did not light. Turn refrigerator OFF and then back ON to return to normal operation. • Air in the gas line? After changing a gas bottle or after a long shutoff period, the gas line is likely to be filled with air. You may have to repeat the lighting procedure (45 seconds) by turning the refrigerator off and on several times in order to purge the air out of the gas lines. • LP gas bottle empty and needs replacing. • Obstruction in or on the burner or burner jet, or burner jet is clogged and should be cleaned. Turn refrigerator off and contact a Dometic dealer or Service Center for repair.

If the problem persists and the refrigerator is still not working properly, turn refrigerator off and contact your nearest Service Center. State the problem, model, product, and serial number. These details are stated on the data label inside the fresh food compartment.

TROUBLESHOOTING

ERROR CODES

For information about error codes, refer to the following table. The codes are displayed flashing (alternating between temperature and message). If an error code is displayed, contact a Dometic dealer or Service Center.

After having solved the problem, turn refrigerator OFF and then back ON. The refrigerator will return to normal operation.

ERROR CODES	INFORMATION
E0	No communication between display and power module.
E1	Disconnected LP gas valve or hardware fault in the LP gas operation system. The refrigerator may still be operational on 120 VAC.
E2	A failure of the temperature sensor device or associated electronic circuitry has occurred. Make sure the sensor wire is connected.
E3	The cooling unit has malfunctioned. Contact a Service Center.
E4	DC voltage is out of range (exceeds or drops below the limit values, approximately 8-18 VDC).

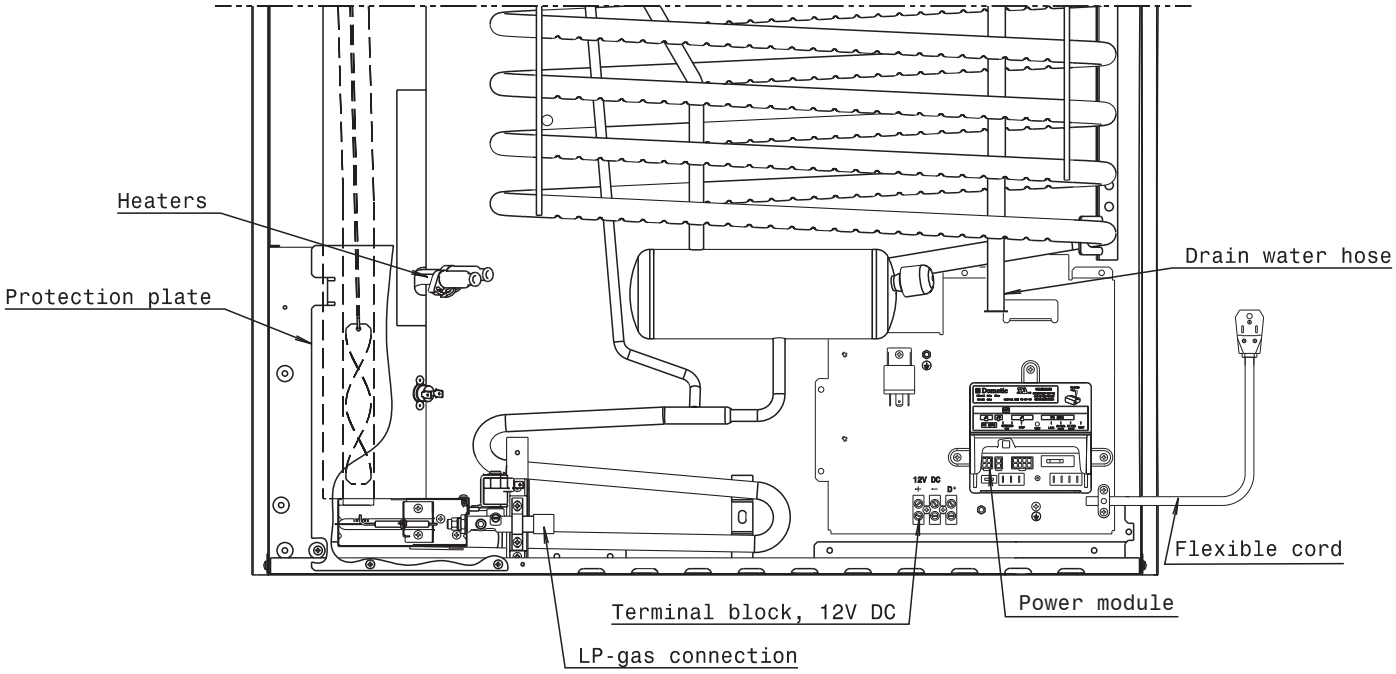
APPENDIX A - SPARE PARTS

The following table displays commonly used parts which should be available from your Dometic Service Center.

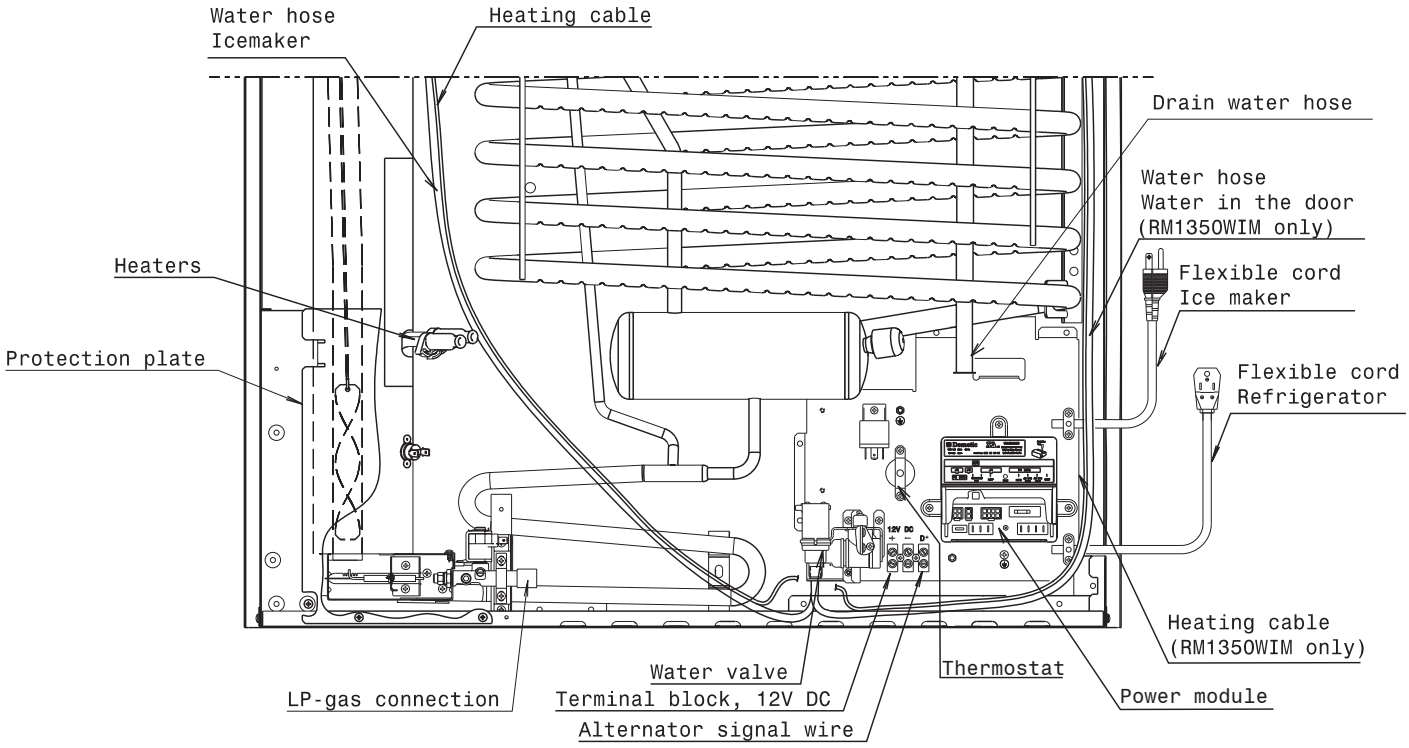
SPARE PARTS	PART NO	MODELS
Airing position device	3851270011	RM1350M, RM1350SLM, RM1350MIM
Baffle	2932667054	RM1350M, RM1350SLM RM1350IM, RM1350MIM RM1350WIM, RM1350WID
Burner	0955001672	RM1350M, RM1350SLM RM1350IM, RM1350MIM RM1350WIM, RM1350WID
Crisper	3851089015	RM1350M, RM1350SLM RM1350IM, RM1350MIM RM1350WIM, RM1350WID
Door shelf	3850973011	RM1350M, RM1350SLM RM1350IM, RM1350MIM RM1350WIM, RM1350WID
Door shelf, lower	3851052013	RM1350M, RM1350SLM RM1350IM, RM1350MIM RM1350WIM, RM1350WID
Electrode	2932781053	RM1350M, RM1350SLM RM1350IM, RM1350MIM RM1350WIM, RM1350WID
Heater, (120V, 420W)	3850644620	RM1350M, RM1350SLM RM1350IM, RM1350MIM RM1350WIM, RM1350WID
Lamp (12V, 10W)	200729000P	RM1350M, RM1350SLM RM1350IM, RM1350MIM RM1350WIM, RM1350WID

APPENDIX B - REARVIEW EQUIPMENT

RM1350M & RM1350SLM



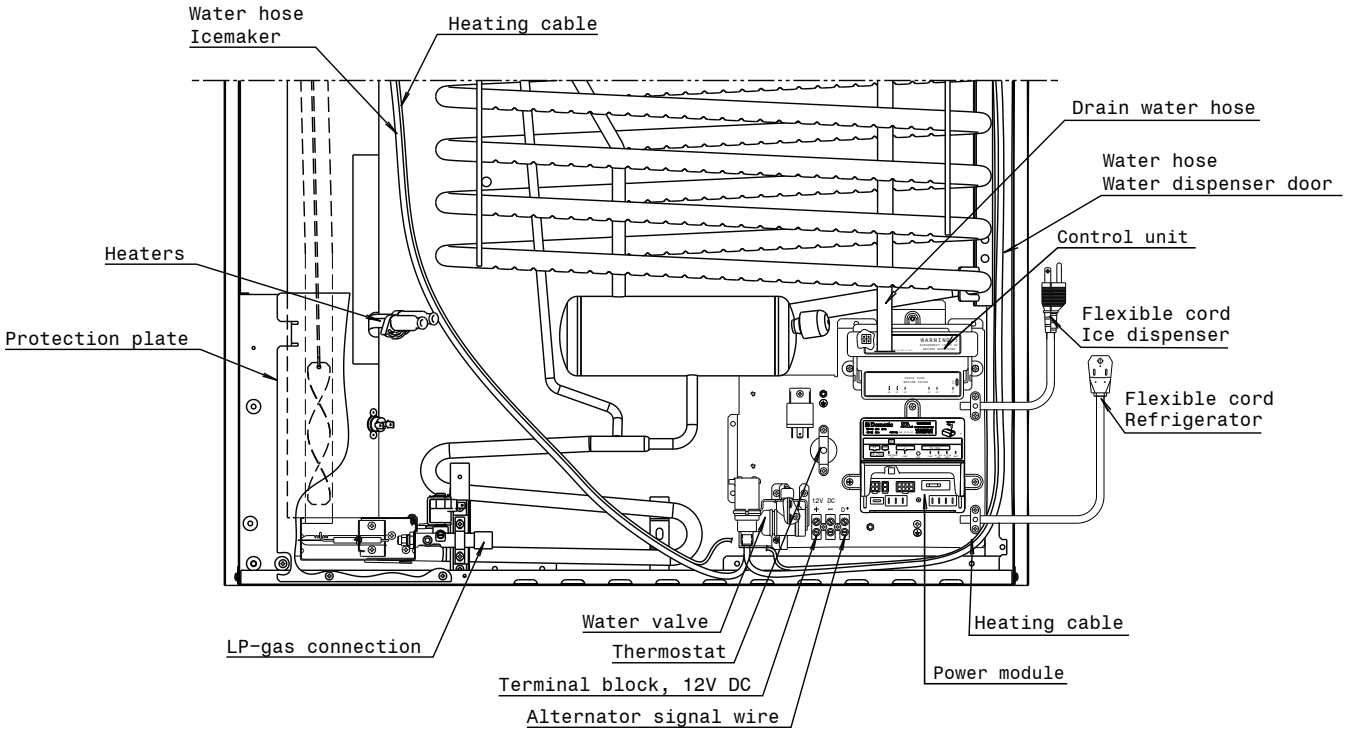
RM1350IM, RM1350MIM & RM1350WIM



* Valid for refrigerators equipped with the automatic door locking system.

APPENDIX B - REARVIEW EQUIPMENT

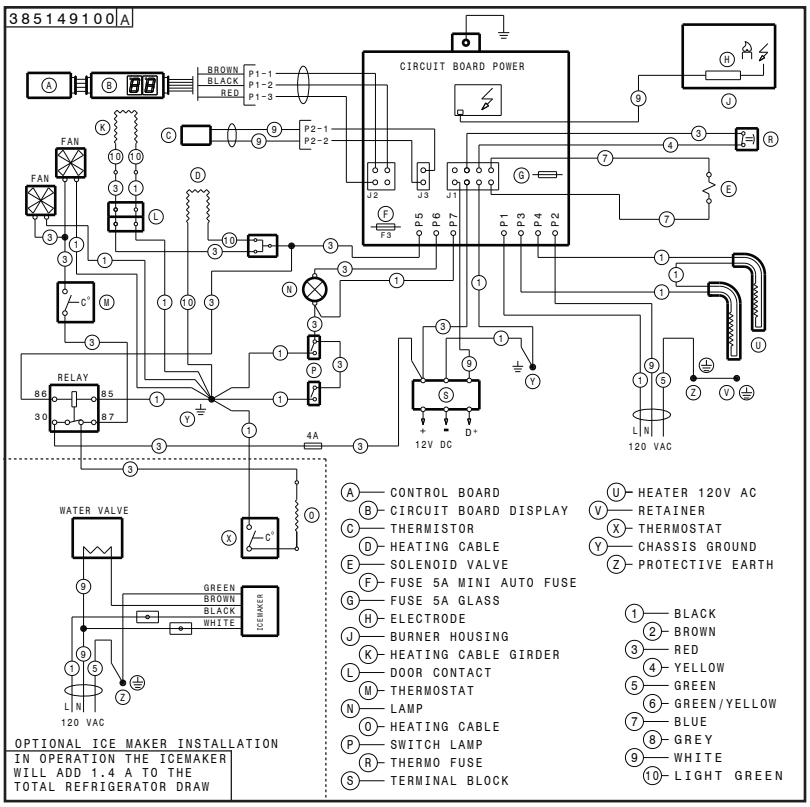
RM1350WID



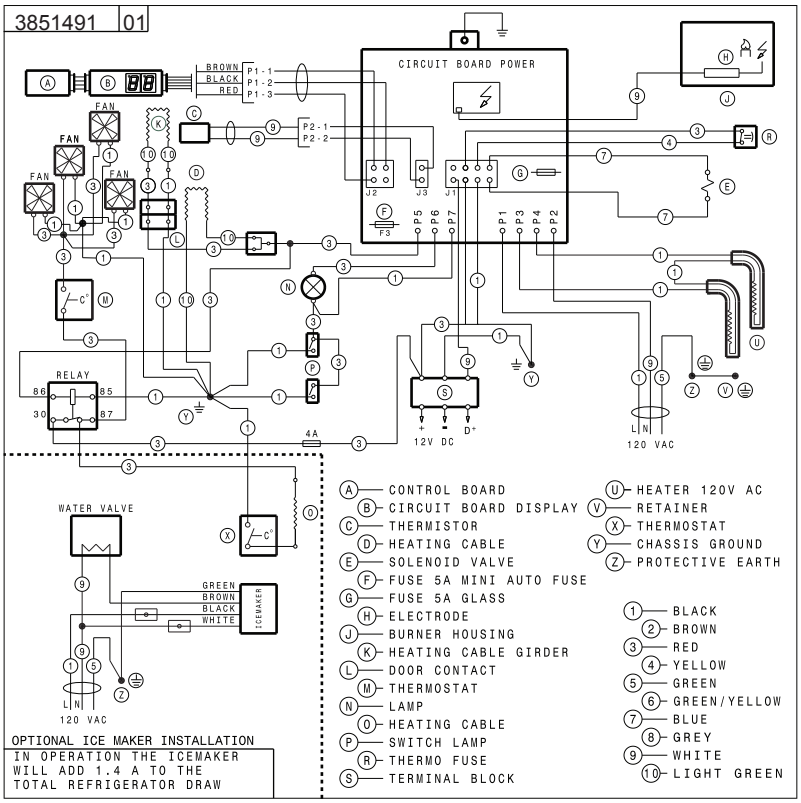
APPENDIX C - WIRING DIAGRAM

RM1350M (MANUAL DOOR LOCK & DOOR INSERT PANELS OR STEEL DOORS)

RM1350MIM (MANUAL DOOR LOCK, ICE MAKER & DOOR INSERT PANELS)

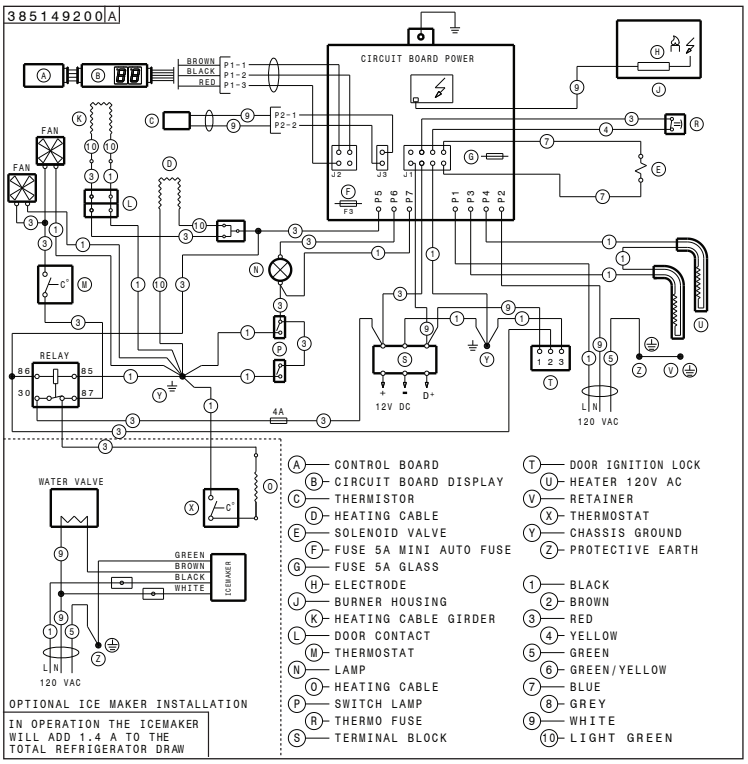


RM1350SLM (MANUAL DOOR LOCK & DOOR INSERT PANELS OR STEEL DOORS)

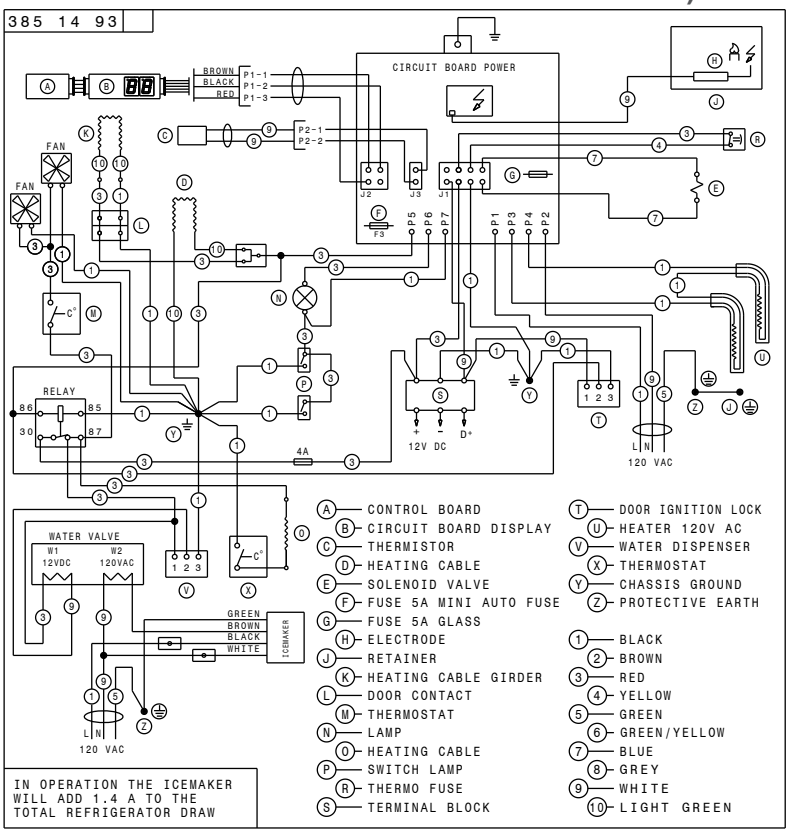


APPENDIX C - WIRING DIAGRAM

RM1350IM (AUTOMATIC DOOR LOCK, ICE MAKER & STEEL DOORS)

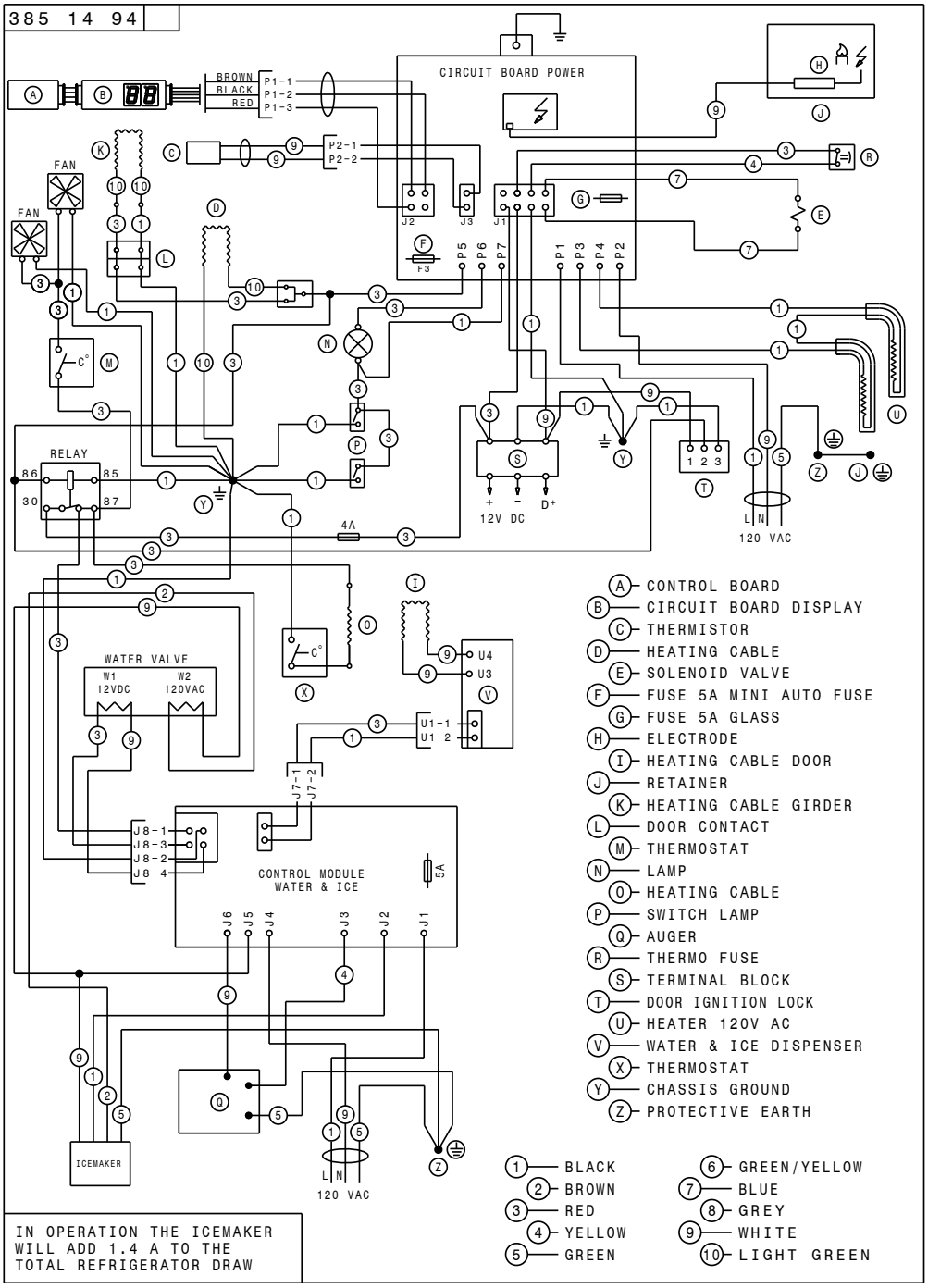


RM1350WIM (AUTOMATIC DOOR LOCK, ICE MAKER, WATER DISPENSER & DOOR INSERT PANELS OR STEEL DOORS)



APPENDIX C - WIRING DIAGRAM

RM1350WID (AUTOMATIC DOOR LOCK, ICE MAKER, WATER AND ICE DISPENSERS & DOOR INSERT PANELS OR STEEL DOORS)



APPENDIX D - CONSUMER SUPPORT

Dometic website www.dometicusa.com

Please visit the website for information and news about Dometic products. You can obtain information about how to get in contact, learn about product care, download manuals, leaflets and warranties.

Service and spare parts

For service and spare parts, please contact the Service Center Assistance, see the front page of this manual - or - visit the Dometic website to find the location of the nearest Dometic Service Center.

Contact us

For contact information, please see the front page of this manual - or - visit the Dometic website.

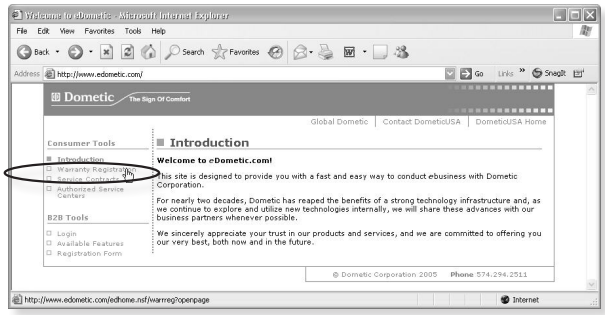
Register the appliance www.edometic.com

Timely registration will allow for enhanced communication and service under the terms of the warranty, see APPENDIX E - DOMETIC WARRANTY.

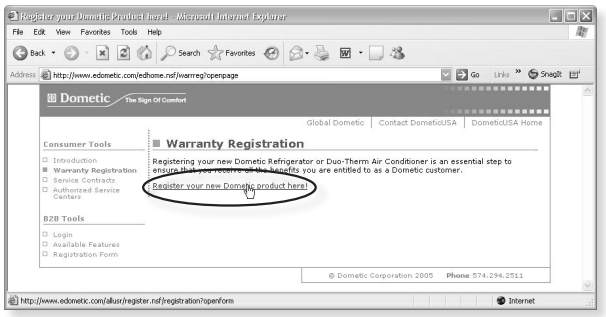
To register the appliance, fill in the pre-printed registration card on the last page of this manual or register on-line at the Dometic website www.edometic.com.

TO REGISTER ON-LINE, FOLLOW THESE STEPS:

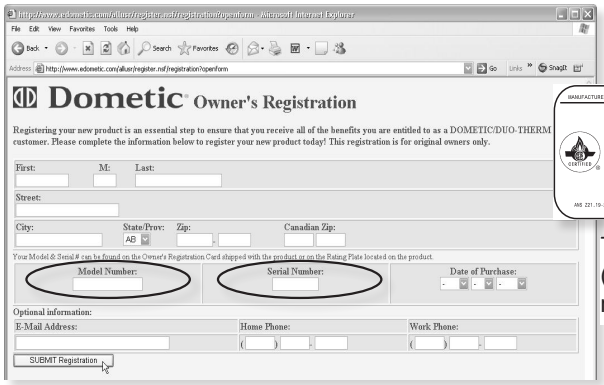
1. At www.edometic.com, click **Warranty Registration**.

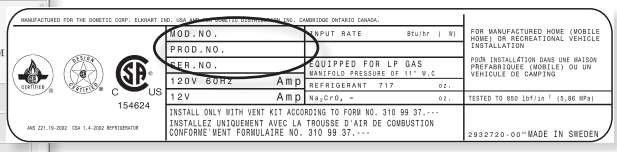


2. Click **Register your new Dometic product here**.



3. Complete the information and then, click the **Submit Registration** button.





The model number (e.g. RM1350) and serial number (e.g. 012 34567) are stated on the data label in the refrigerator compartment.

APPENDIX E - DOMETIC WARRANTY

Congratulations, and Thank You for purchasing the industry's best built and best backed RV Refrigerator. Below you will find important warranty and maintenance information on Dometic's exclusive two (2) year warranty. Please take a few moments and familiarize yourself with the program. We at Dometic appreciate your business and are confident that you will have many years of trouble-free RV enjoyment.

LIMITED TWO-YEAR WARRANTY DOMETIC REFRIGERATORS

THE SELLER NAMED BELOW MAKES THE FOLLOWING WARRANTY WITH RESPECT TO THE DOMETIC PRODUCT:

1. This warranty is made only to the first purchaser (herein after referred to as the "Original Purchaser") who acquires the product for his own use and is installed and operated within the continental United States and Canada.
2. This warranty will be in effect for two years on parts and freight and two years on labor from the date of purchase by the Original Purchaser. It is suggested that the original purchaser retain a copy of the dated bill of sale as evidence of the date of purchase.
3. This warranty covers only specified parts, which shall be free from defects in material and workmanship under normal use. This warranty does not cover conditions unrelated to the material and workmanship of the product. Such unrelated conditions include, but are not limited to: (a) damage not reported within the first 7 days of ownership; (b) faulty installation or installation that does not comply with RVIA standards, and any damage resulting from such; (c) the need for normal maintenance and any damage resulting from the failure to provide such maintenance; (d) failure to follow Sellers instructions for use of product; (e) any accident to or misuse of any part of this product and any alteration by anyone other than the Seller or its authorized representative; (f) any non-Dometic parts that are installed as replacement parts will void any warranty (implied or written); (g) blow out conditions; (h) radio frequency interference and electromagnetic interference; (i) 12V system chassis ground decay and corrosion; (j) puncture of foam cabinet or vacuum insulated panels after acknowledged receipt; (k) animal or insect infiltration which damages unit or inhibits performance; (l) abuse or misuse of electrical components.
4. The specified parts covered by this warranty are as follows: Major components (cooling unit, LP gas valve, burner, burner housing, electronic display, electronic module, evaporator fins, foam integrity, frame, thermister, spark probe, ignition wire, ice maker compressor, second absorption loop, display escutcheon, lower toe plate, humidity switch, frame heater mullion, ice maker mullion) are covered for parts and freight for two years and labor for two years from date of purchase. All other components that fail must be reported within the first 90 days of ownership in order to receive coverage of parts, freight and labor under warranty.
5. **This warranty requires the Original Purchaser to provide preventative maintenance on a yearly basis, starting at the anniversary of his date of purchase.** The Original Purchaser must keep a record of the preventative maintenance to keep the warranty in effect. Failure of the Original Purchaser in providing this annual maintenance may void the warranty. The preventative maintenance must be performed at a Dometic Authorized Service Center/Dealer. The preventative maintenance required is an inspection, cleaning and full diagnostics performed on the entire electronic system, burner assembly, wiring and cooling unit. A copy of the receipt covering the maintenance checks must accompany the warranty claim during the second year of ownership. The cost of this preventative maintenance is the Original Purchaser's responsibility and should take about one hour.
6. In order to obtain the benefits of this warranty, the original purchaser must return the product which is found defective to the Seller named below or to a Dometic Authorized Service Center during the period that this warranty is in effect. The original purchaser is responsible for all charges incurred in delivery of the product to the Seller or Dometic Authorized Service Center, and in pick up after the warranty service has been completed. To obtain the location of the nearest Authorized Service Center, please call 1-800-544-4881 or in Canada call 1-519-653-4390.
7. Any item returned in the manner described in paragraph 6 will be examined by the Seller or the Authorized Dometic Service Center. If it is found that the returned item was defective in material and workmanship, the Seller or the Authorized Dometic Service Center will repair the product per the terms outlined in paragraph 4. CONFIRM THE SERVICE AGENCY IS AN AUTHORIZED DOMETIC SERVICE CENTER. DO NOT PAY THE SERVICE AGENCY FOR WARRANTY REPAIRS. SUCH PAYMENTS WILL NOT BE REIMBURSED.
8. The Seller does not authorize any person or company to create any warranty obligations or liability on their behalf. This warranty is not extended by the length of time which you are deprived of the use of the product. Repairs and replacement parts provided under the terms of this warranty shall carry only the non-expired portion of this warranty.
9. In no event shall either seller be liable for incidental or consequential damages. This includes any damage to another product or products resulting from such a defect. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply.
10. Any implied warranty, including the implied warranty of merchantability and fitness for any purpose, is limited to the duration of this limited warranty. Some states do not allow limitations on how long an implied warranty can last, so the above limitation may not apply.
11. THIS WARRANTY GIVE SPECIFIC LEGAL RIGHTS, YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. No action to enforce this warranty shall be commenced later than ninety (90) days after the expiration of the warranty period. Claims must be submitted in writing to the Dometic Warranty Department for arbitration.
12. All products (except those specifically built for commercial use) are warranted only when installed in vehicles built to current edition R.V.I.A A119.2 and C.R.V.A. Z-240 Standards.
13. The Seller reserves the right to change the design of any product without notice and with no obligation to make corresponding changes in products previously manufactured.

DOMETIC CORPORATION
Warranty Department
2320 Industrial Parkway
Elkhart, IN 46516
Phone: 574-294-2511
Fax: 574-389-3975

APPENDIX F - MAINTENANCE SCHEDULE

REFRIGERATOR OWNER MAINTENANCE YEARLY RECORD

Customer Name: _____ **Model No.:** _____ **Date of Purchase:** _____
Address: _____ **Serial No.:** _____
City: _____ **State:** _____ **Zip Code:** _____
Phone: _____

FIRST YEAR

Date: _____
Dealership: _____
_____
Address: _____
_____
City: _____
State: _____ Zip: _____
Phone: _____
Technician: _____

Cleaned Burner Assembly:	Yes / No
Cleaned/Check All Terminals Connections:	Yes / No
Cleaned/Inspect All Ground Connections:	Yes / No
Inspect and Test Door Seals:	Yes / No
Inspect and Tighten LP Lines:	Yes / No
Power Ventilator Installed:	Yes / No
*Gas Safety Shutdown in 45 seconds:	Yes / No

	ACTUAL	SPEC. RANGE
Electrode Gap	_____	3/16"
Thermister Reading	_____	7-10,000 ohms @ 32°
*D/C Voltage	_____	9.5 to 15 volts D/C
*A/C Voltage	_____	120 Volts ± 10%
Thermocouple Reading	_____	25-35 Millivolts
*Delay Between Modes	_____	Approx. 5 seconds

* Use PAL RV Diagnostic Tool for these tests.

ICEMAKER MODELS

Inspect Water Valve and All Connections:	Yes / No
Inspect Heat Tape Switch for Proper Operation:	Yes / No

SECOND YEAR

Date: _____
Dealership: _____
_____
Address: _____
_____
City: _____
State: _____ Zip: _____
Phone: _____
Technician: _____

Cleaned Burner Assembly:	Yes / No
Cleaned/Check All Terminals Connections:	Yes / No
Cleaned/Inspect All Ground Connections:	Yes / No
Inspect and Test Door Seals:	Yes / No
Inspect and Tighten LP Lines:	Yes / No
Power Ventilator Installed:	Yes / No
*Gas Safety Shutdown in 45 seconds:	Yes / No

	ACTUAL	SPEC. RANGE
Electrode Gap	_____	3/16"
Thermister Reading	_____	7-10,000 ohms @ 32°
*D/C Voltage	_____	9.5 to 15 volts D/C
*A/C Voltage	_____	120 Volts ± 10%
Thermocouple Reading	_____	25-35 Millivolts
*Delay Between Modes	_____	Approx. 5 seconds

* Use PAL RV Diagnostic Tool for these tests.

ICEMAKER MODELS

Inspect Water Valve and All Connections:	Yes / No
Inspect Heat Tape Switch for Proper Operation:	Yes / No

PROTECTION FOR YOUR NEW INVESTMENT

We truly appreciate that you have chosen to purchase a Dometic product for your recreational vehicle and we want to help you protect this wise investment.

We at Dometic back our products with one of the most comprehensive warranties in the industry. Complete the registration card and mail to us or register your Product on-line at www.edometic.com.

TIME-DATED
MATERIAL
Please Process
Promptly!

Tape
Here

FIRST
CLASS
POSTAGE
REQUIRED

Dometic

Dometic Processing Center
2320 Industrial Parkway
Elkhart, IN 46516

Tape
Here

■ **WARRANTY VERIFICATION**
Your prompt registration records your right to protection under the terms and conditions of your warranty.

■ **OWNER CONFIRMATION**
Your completed Owner's registration card serves as confirmation of ownership in the event of product damage or theft.

■ **FACTORY COMMUNICATION**
Returning your card or registering on-line guarantees you will receive product information and specials. Leaving your email address below will allow us to communicate with you quickly and efficiently.

■ **2 PLUS 3 SERVICE CONTRACT**
Returning the card below or registering on-line assures you of an invitation to take advantage of an Optional 2 Plus 3 Full Service Contract which allows you to add up to 3 years of additional warranty coverage.

Return this card within **10** days to ensure your:

- WARRANTY VERIFICATION
- FACTORY COMMUNICATION
- OWNER CONFIRMATION
- 2 PLUS 3 SERVICE CONTRACT

Fold here. Close with tape.

IMPORTANT: Return Within 10 days

Dometic

Owner's Registration Card

Registering your product is an essential step to ensure that you receive all the benefits you are entitled to as a DOMETIC customer. Complete the information below and mail to us or register on-line at www.edometic.com.

Be sure to include your email address so that we can communicate with you quickly and efficiently. Your address will remain confidential and will not be distributed to third parties.

Name _____

Address _____

City _____ **State/Prov.** _____

Date of Purchase ___ ___ ___ (**MO** **DAY** **YEAR**) **Zip/Postal Code** _____

Email Address _____

☐ Email me exclusive offers and information on new products from Dometic.
☐ Email me offers and information from Dometic partners.

REFRIGERATOR MODEL NUMBER **SERIAL NUMBER**

TO THE INSTALLER
PLEASE AFFIX THESE INSTRUCTIONS TO THE REFRIGERATOR

—

TO THE CONSUMER
PLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE