

G-Series Cooler

Instruction Manual

Trio RCM-60

Models: Listed on Inside Cover



G-Series Cooler Instruction Manual

Trio RCM-60

Includes Models:
RCM-60-N23EB
RCM-60-N234B

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For Future Reference

- This easy-to-use manual will guide you in getting the best use of your cooler.
- Remember to record the model number and the serial number. This information can be found on the inside of your cooler.
- Keep your receipt with this manual for future warranty service.

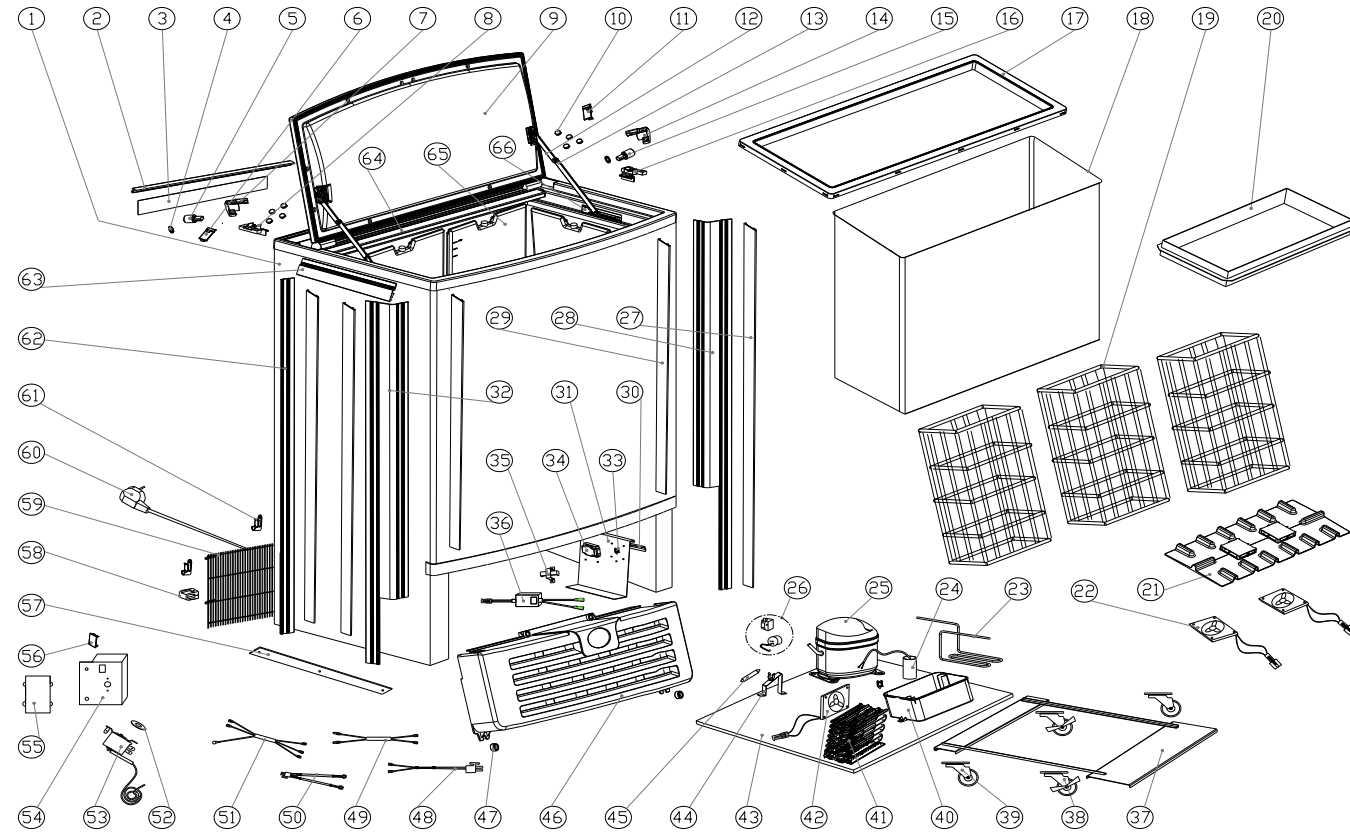
Model #: _____

Serial #: _____

Date of Purchase: _____



PARTS & IDENTIFICATION



- | | | | |
|-------------------------------|-------------------------------|--------------------------------|---------------------------------|
| 1. Foam Cabinet | 18. Inner Liner | 35. Transformer Box | 52. Thermostat Label |
| 2. Graphic Holder (back, 2) | 19. Basket (3) | 36. Transformer (0.6A) | 53. Thermostat |
| 3. Canopy Board | 20. Coolant Box Holder (2) | 37. Castor Installation Base | 54. Thermostat Box |
| 4. Hinge Gasket (2) | 21. Inner Fan Baffle | 38. Locking Caster (2) | 55. Thermostat Box Cover |
| 5. Dampener (left) | 22. Evaporator Fan (2) | 39. Caster (2) | 56. Hole Cover Switch |
| 6. Canopy Plate | 23. Condensate Coil | 40. Drip Pan | 57. Trim Piece (bottom, 2) |
| 7. Dampener Box Left Upper | 24. Capacitor | 41. Condenser | 58. Plastic Clip |
| 8. Dampener Box Left Bottom | 25. Compressor | 42. Condenser Fan | 59. Rear Compartment Grill |
| 9. Door Lid Assembly | 26. Compressor Accessories | 43. Compressor Base | 60. Power Cord |
| 10. Hinge Cover (8) | 27. Trim Piece (top back, 4) | 44. Filter Drier Bracket | 61. Power Cord Holder (2) |
| 11. Canopy Plate (right) | 28. Trim Piece (bottom right) | 45. Filter Drier | 62. Trim Piece (bottom back, 2) |
| 12. Tension Rod (top, 2) | 29. Trim Piece (top left, 2) | 46. Front Grill | 63. Side Graphic Holder (2) |
| 13. Tension Rod (bottom, 2) | 30. Wire Tray Bracket | 47. Front Grill Bracket (2) | 64. Plastic Graphic Frame |
| 14. Dampener Box Upper Right | 31. Electrical Board | 48. Fan Connecting Wire | 65. Ice Pack (2) |
| 15. Dampener Right | 32. Trim Piece (bottom left) | 49. Compressor Connecting Wire | 66. Guide Rail (2) |
| 16. Dampener Box Right Bottom | 33. Wire Clip (7) | 50. Inner Fan Connecting Wire | |
| 17. Rim | 34. Junction Box | 51. Thermostat Connecting Wire | |

SAFETY INSTRUCTIONS

- When using this appliance, always follow the basic safety precautions:
- Read the entire User's Manual before operating this appliance.
- Use this appliance only for its intended purpose as described in this User's Manual.
- This cooler must be properly installed in accordance with the installation instructions before being used. See grounding instructions.
- IDW requires that a dedicated circuit be used for the unit. Failure to do so voids warranty.
- Never unplug your cooler by pulling on the power cord. Always grasp the plug firmly and pull it straight out from the outlet.
- Unplug your cooler before cleaning or making any repairs.
Note: If for any reason this product requires service, we strongly recommend that a certified technician perform the service.
- When disconnecting the power source, wait at least 5 minutes to reconnect the power to avoid damage to the compressor and the cooling system.
- Immediately repair or replace all electrical cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length, the plug or the connector end.
- Do not operate or store your cooler near or around explosive fumes, gasoline or other flammable vapors and liquids.
- Do not use flammable liquids to clean unit.
- Setting the temperature control to the 0 position does not remove power to the light circuit, perimeter heaters, or evaporator fans.
- Do not adjust the temperature control. The temperature control is factory set between levels 4 and 5 for maximum performance.
- To avoid damage to the casters, do not transport the cooler on rough surfaces.

PLEASE SAVE THESE INSTRUCTIONS!

DANGER!

PROPER DISPOSAL OF THE REFRIGERATOR

Pre-Caution, Non-Operating Coolers Should Have:

- Lid removed.
- Baskets kept in place in order to prevent any small child from climbing inside cooler.

For Proper Disposal of Cooler:
Distributors/retailers need to contact a qualified service technician:

- To recover all refrigerant from the cooler
- To remove the compressor or remove the oil from the compressor

Then the distributor/retailer can contact their local metal recycling center to pick up the remaining cabinet, shelves, etc. By law, disposal of hazardous wastes may be subject to fines and imprisonment under the provisions of the environmental regulations. For more information please visit: <http://www.epa.gov/osw/hazard/index.htm>



INSTALLATION

Installation of the cooler must be done according to applicable local codes or equivalent.

Ambient Environment

- Place cooler on an even surface to reduce vibration and noise.
- To transport, do not tilt the cooler beyond a 45 degree angle.
- Do not place cooler in direct sunlight or near any heat sources.
- Do not place cooler in environment temperatures that exceed 80°F.
- Do not place cooler in below normal temperatures.
- Do not place cooler in extreme humid environments, this may cause components to rust.
- Do not place cooler near constant running or splattering water, this may cause immediate damage to refrigeration system.
- Must allow at least 4" between rear of cooler and wall for proper ventilation and heat dissipation of cooler.
- Do not place furniture or other articles with sharp edges near the cooler in order to prevent damage to the glass door.
- This cooler is for indoor use.
- Place unit in it's final location, making certain there is adequate ventilation in the room.

WARNING: Warranty is void if ventilation is insufficient.

Preparation Prior to Operation

- Remove all packaging materials before using cooler. This includes: foam pedestal, adhesive tape (used to fix accessories) and protective gaskets.
- Inspect cooler for concealed damage. Immediately file a claim with the freight carrier if there is damage. IDW is not responsible for damage incurred during shipping.
- Cooler must remain unplugged in an upright position for 1 hour prior to use.
- Clean the interior surface with a soft cloth and lukewarm water before operation.
- Ensure that drain hose or hoses are positioned in the pan.
- Remove plug and cord from inside the lower rear of the cooler.
- The unit should be placed close enough to the electrical supply so that extension cords are not used.

Electrical Requirements

- This model operates with a 110-120V/60Hz power supply. Check the electrical outlet for proper voltage.
- Dedicate one outlet for the use of the cooler.
- Do not use an extension cord or any other multiple connectors as this can lead to compressor failure.
- If the cord is damaged, it must be replaced.
- For your safety, plug the unit into a grounded wall outlet. Please check with a certified electrician for details.

WARNING: Do not use extension cords.
WARNING: Compressor warranties are void if compressor burns out due to low voltage.
WARNING: Power cord ground pin must NOT be removed!



INSTALLATION AND OPERATION

1. Connect the empty RCM² to a Power Source for 12+ hours.
2. After the empty cooler has been operating for an initial period of 12 hours, the unit can then be loaded with products*.
3. The cooler can then be unplugged and rolled to any high traffic retail location for up to 12 hours. After 12 hours the unit must be plugged in again for an additional 12 hours. (The Re-Charge cycle)

It is important to understand that the Re-Charge Cold Merchandiser (RCM²) is designed to operate differently than typical beverage coolers. Typical coolers circulate the cold the air inside the cabinet to chill the beverages. The RCM² does not follow this principle. The RCM² freezes liquid filled coolant packs within the interior walls of the cabinet. It is important that these coolant packs are completely frozen to ensure that the beverages will be kept at a cold temperature for the maximum amount of time while the unit is unplugged and moved to the desired location. The initial time required to freeze these coolant packs can be between 12 and 24 hours depending on the operating environment.

*For best results, on initial set-up we recommend the RCM² is allowed 24 hours to completely freeze the coolant packs. Following this initial 24 hour "charge" the subsequent "recharge" time will be much less. By following this extended initial freezing period, you will be ensuring that consumers are receiving the coldest possible beverage for the best possible extended time while the RCM² is unplugged.

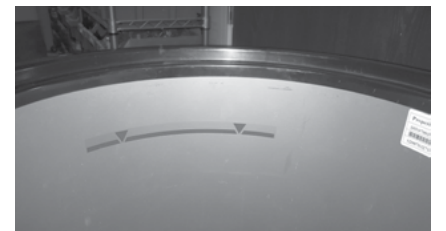
RECHARGEABLE BATTERY INSTRUCTIONS

The RCM² features a rechargeable battery that powers the inner fan.

1. Upon first using the cooler, or when the cooler has not been operated for a long period of time, it will take 12-18 hours for the battery to charge.
2. The RCM² battery is a size N.
3. If the RCM² is left plugged in for longer than 48 hours, it will reduce the lifetime of the rechargeable battery.

BEVERAGE STORAGE

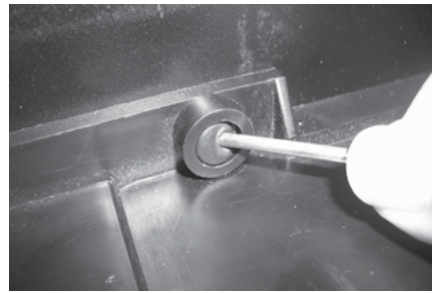
- Leave adequate space between beverage cans to allow air circulation
- This cooler is primarily for storing beverage cans and plastic bottles. Avoid putting glass containers in this cooler.
- All beverage products should be properly sealed to avoid leaking into the cooler.



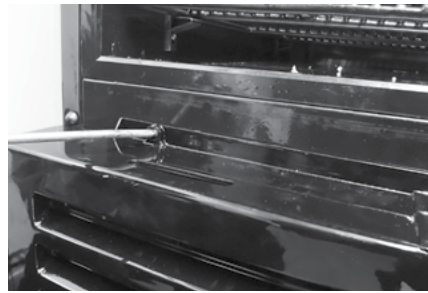
MAINTENANCE

Condenser

It is essential to keep the condenser coils clean and free of dust and debris at all times. It is required to periodically clean the condenser coils with a soft bristle brush or vacuum-cleaner to properly maintain the refrigeration system. Failure to clean the condenser at regular intervals may cause failure of the refrigeration system and could void the warranty.



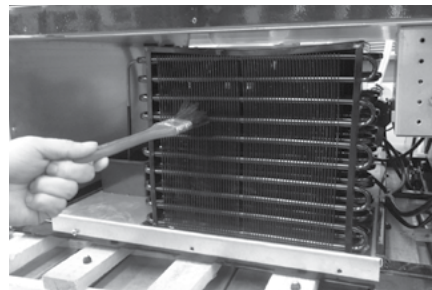
1 Remove the rubber cap from the front grill.



2 Using a small Phillips head screwdriver and remove the screws as shown.



3 The front grill can now be removed by pulling it up.



4 Using plastic bristle brush, carefully clean the condenser being aware that coils can bend or be damaged if too much force is used.

5 Replace grill and use the Phillips screwdriver to tighten the screws into place, replace the rubber caps.

Cleaning

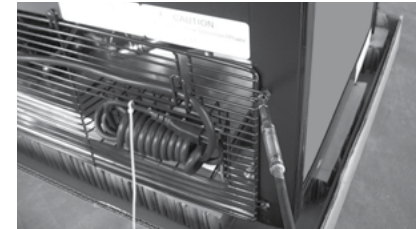
- Unplug the cooler before cleaning.
- Use a soft cloth or sponge with soap and water (non-corrosive mild detergent), while cleaning. After cleaning, wipe the cooler using a dry cloth to prevent the cooler from rusting.
- Do not spray water on the cooler, and do not use hard or steel brushes to clean the cooler.
- Do not use organic solvents, boiling water, scrubbing powders or acids while cleaning.
- A drain or waste outlet **may** be provided for draining of a display refrigerator. **If** a display refrigerator drain is provided for flushing, it will have a minimum internal diameter of 1" (25mm)

If the cooler will be in a non-operational state for a long period of time, clean as instructed above, and keep the door open until interior is dry.

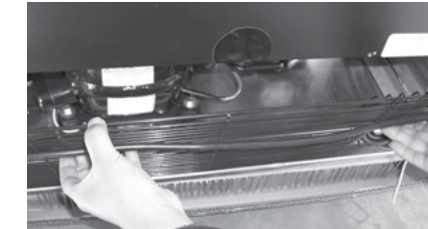
MAINTENANCE Accessing Cooler Components:

*** A CERTIFIED TECHNICIAN IS REQUIRED TO REPAIR ALL REFRIGERATION COMPONENTS FOR WARRANTY PURPOSES.**

For convenient repair, the refrigeration components (compressor, evaporator, condenser, evaporation fan, condensation fan and filter) are designed using a split system; any component can be easily replaced. Replacement procedure is as follows:



1. Using a Phillips screwdriver, remove the (4) screws from the back grill as shown.



2. The back metal grill can now be removed.



3. Remove the (2) screws in the front.



4. Pull the drawer forward to access the system.



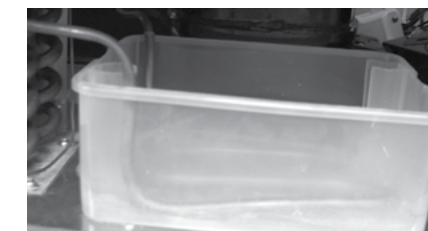
5. To re-assemble the cooler reverse steps 1-5.

Moving the Cooler

1. Remove all product from the unit.
2. Secure all loose parts inside the cooler.
3. Tape the door shut.
4. Be sure to ship the cooler in an upright position.

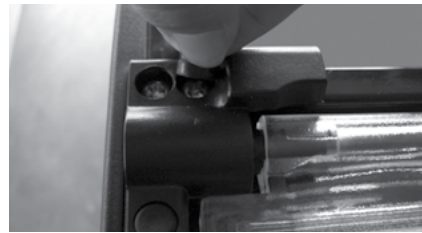
Drip Pan

1. During normal compressor cycle, water will drain into the drip pan and evaporate.

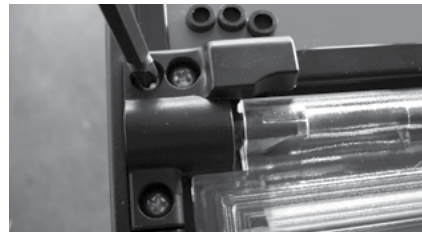




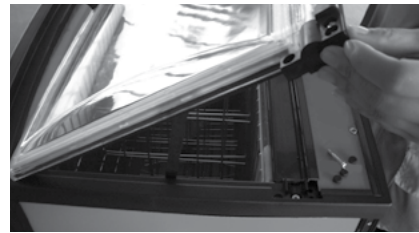
LID REPLACEMENT



1. Remove the (3) rubber caps covering the left hinge screws.



2. Unscrew and remove (4) screws in the left hinge using a Phillip's screwdriver.



3. Repeat steps 1 & 2 on the right hinge.
4. The lid can now be lifted up from the cooler.

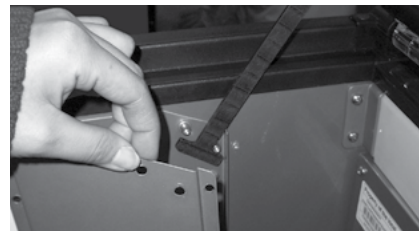
5. Follow steps 1-4 listed in the 'Tension Rod Replacement' section to remove the tension rod and remove the Trio lid.

Replacing the Tension Rod

Unplug the cooler before removing the LED lighting assembly.



1. Using a Phillip's screwdriver remove the (6) screws from the left tension rod cover.



2. Remove the left tension rod cover.



3. Remove the tension rod from its pin (the rod will remain connected on the lid).



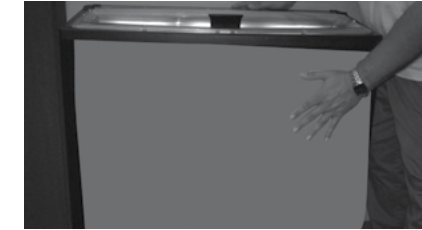
4. Align the rod so that the notch is aligned with the notch on the pin and it can now be pulled free.

5. Repeat steps 1-4 on the right side of the cooler.

GRAPHIC REMOVAL



1. Push the top left corner of the graphic down towards the opposite corner of the cooler.



2. This will create a bubble in the graphic.



3. Continue to push until the graphic comes loose.

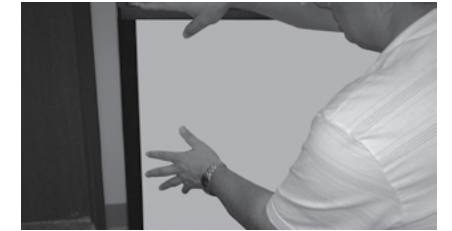
GRAPHIC REPLACEMENT



1. Place the new graphic in the bottom left corner of the cooler. Push the bottom of the graphic into the bottom graphic channel.



2. Feed the top of the graphic into the top left graphic channel.



3. The graphic will now bow outwards.



4. Feed the graphic into the left channel. Push the graphic completely into place on the left side of the cooler.



5. Finish installing the graphic by feeding the top right corner of the graphic into place.

SPECIFICATIONS

MODEL	VOLUME(L)	RATED VOLTAGE	RATED CURRENT	REFRIGERANT
RCM-60-N23EB RCM-60-N234B	3.21 ft ³	110-120V/60Hz	1.2A	R600a
NSF/ASNI-7: Type II Display Refrigerator		A display refrigerator intended for use in an area where the environmental conditions are controlled and maintained so that the ambient temperature does not exceed 80°F (27°C).		

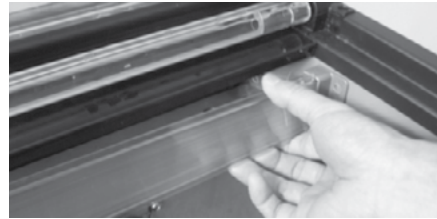


LIGHT REPLACEMENT

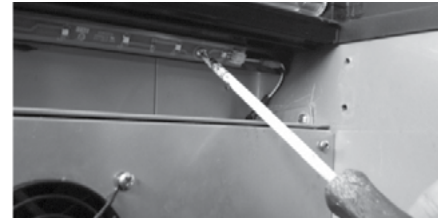
Unplug the cooler before removing the LED lighting assembly.



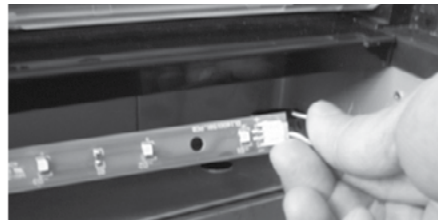
1 Using a Phillip's screwdriver, remove the (2) screws from the right light cover holder.



2 Gently remove the light cover and the right light cover holder.



3 Using a Phillip's screwdriver, remove the (2) screws securing the LED light strip.



4 Disconnect the LED light at the Quick Disconnect.
5 Reverse steps 1-4 to install a new LED light strip.



CAUTION FLAMMABLE REFRIGERANT

- **DANGER - Risk Of Fire Or Explosion.** Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing.
- **CAUTION - Risk Of Fire Or Explosion.** Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Install or Service This Product. All Safety Precautions Must be Followed.
- **CAUTION - Risk Of Fire Or Explosion.** Dispose Of Properly In Accordance With Federal Or Local Regulations. Flammable Refrigerant Used.
- **CAUTION - Risk Of Fire Or Explosion** Due To Puncture Of Refrigerant Tubing; Follow Handling Instructions Carefully. Flammable Refrigerant Used.
- **CAREFUL** - Handling, moving and operating of the refrigerator or freezer to avoid either damaging the refrigerant tubing, or increasing the risk of a leak.
- **CAUTION** - Component parts shall be replaced with like components and that servicing shall be done by factory authorized service personnel, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

TROUBLESHOOTING

The following are NOT malfunctions:

Situation	Causes
Liquid flowing noise within cooler	<ul style="list-style-type: none"> • This is the sound of the cooling agent flowing through the pipes.
Refrigeration system is shutdown for longer periods of time while temperature inside is still very low	<ul style="list-style-type: none"> • This refrigerator is well insulated and can maintain a relatively ambient temperature.
Condensation on door/lid	<ul style="list-style-type: none"> • This may be due to a high indoor humidity or the cooler's temperature is set too low. Wipe the door dry with a towel.

- 1 This refrigerator has been designed and manufactured according to National standards. If there are any questions during use, refer to this operation manual to help troubleshoot problems.
- 2 When disposing of the cooler, please remove the door/lid and lock assembly to avoid children accidentally becoming trapped inside the cooler.

Prior to calling service, check the following:

Issues	Solutions
Cooler is not working properly	Please check power supply: <ul style="list-style-type: none"> • Check the electrical outlet for power, and that the plug is properly inserted. • Check to see if the circuit breaker is tripped or the fuse is blown. • Check if the condenser is free of dirt and debris. • Check for low voltage
Cooler is not keeping product cool	<ul style="list-style-type: none"> • Provide ample space between all products to ensure proper circulation of air. • Keep unit away from direct sunlight or other heating source. • Keep the door closed as often as possible. • Be certain the cooler is not touching external objects or walls.
Excessive noise	<ul style="list-style-type: none"> • Be certain the cooler is placed on a level surface. • Be certain the cooler is not touching external objects or walls.
Compressor turns on and off frequently	<ul style="list-style-type: none"> • The room temperature is higher than normal. • The door is not closed completely. • The door gasket is not sealed properly. • There is insufficient clearance around the cooler. • The thermostat is not set properly. • The frequency of cycling will be reduced when all of the product reaches the set temperature.

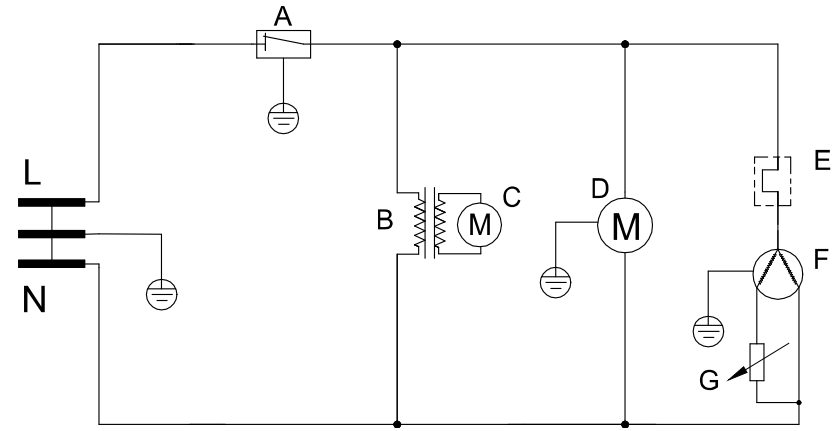
AFTER SALES SERVICE

Any product has the possibility of malfunction. Please observe the cooler's operation and any changes to product being stored. If there are any abnormal cases, refer to the table below. If there is still no change after following the below instructions, please inform our service center in a timely manner to avoid a further loss of the unit.

Information to provide to your qualified service professional:

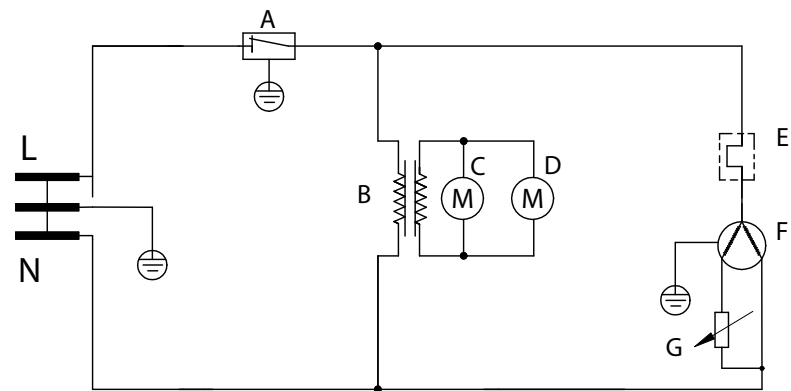
- Serial number from the interior wall of the cooler
- Coolers' installation address and contact information
- Installation location hours and operation
- Nature of problem
- Any reports of power interruptions
- Recent service or maintenance completed on the cooler
- Has the cooler been relocated from original installation location
- Clear access to the cooler
- Coolers' instruction manual

CIRCUIT DIAGRAM
Model: RCM-60-N23EB



- | | |
|-----------------------------------|-----------------------|
| A. Thermostat | E. Overload protector |
| B. Transformer for evaporator fan | F. Compressor |
| C. Evaporator fan | G. Start relay |
| D. Condenser fan | |

CIRCUIT DIAGRAM
Model: RCM-60-N234B



- | | |
|-------------------|-----------------------|
| A. Thermostat | E. Overload Protector |
| B. Transformer | F. Compressor |
| C. Evaporator Fan | G. Starting Relay |
| D. Condenser Fan | |



Innovative DisplayWorks, Inc.

To locate the distributor in your area go to: <http://www.idw.global/contact/#distributors>