

G-Series Cooler

Instruction Manual

Trio G-60e

Models: Listed on Inside Cover



The **Trio**
IMPULSE COOLER



G-Series Cooler Instruction Manual

Trio G-60e

Includes Models:
G-60e-N23EB
G-60e-N23EB-HC
G-60e-NA34B

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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.

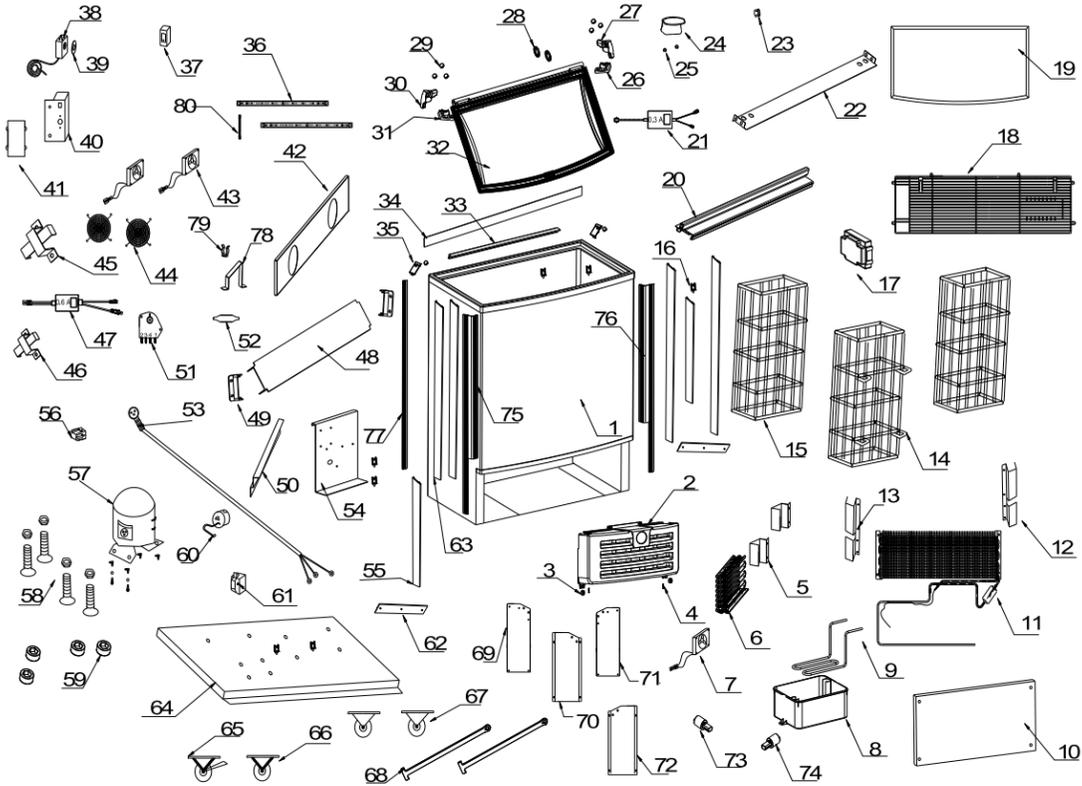
Model #: _____

Serial #: _____

Date of Purchase: _____



PARTS & IDENTIFICATION

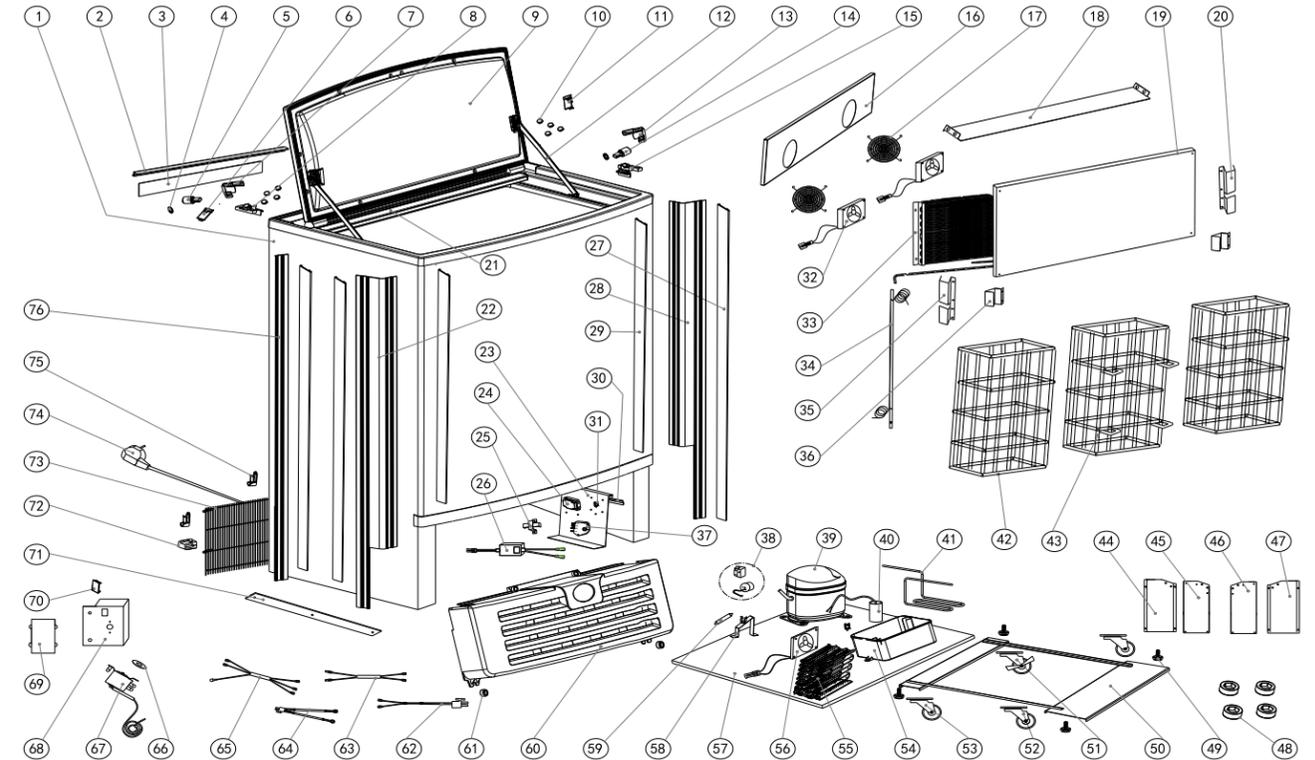


- | | | |
|------------------------------------|--------------------------------|----------------------------------|
| 1. Main Cabinet | 28. Hinge Gasket (2) | 55. Trim Piece (top left) (2) |
| 2. Front Grill | 29. Hinge Cover (8) | 56. Plastic Clip |
| 3. Front Grill Bracket (2) | 30. Hinge Cover (top left) | 57. Compressor |
| 4. Self-tapping Screw (2) | 31. Hinge Cover (bottom left) | 58. Foot (4) |
| 5. Electrical Wire Tray (2) | 32. Cooler Lid Set | 59. Foot Sleeve (4) |
| 6. Condenser | 33. Graphic Holder (back) | 60. Overload Breaker |
| 7. Condenser Fan | 34. Canopy Board | 61. Starter Relay |
| 8. Drip Pan | 35. Side Graphic Holder | 62. Graphic Frame (top) (2) |
| 9. Condensate Coil | 36. LED Light (2) | 63. Trim Piece (top back) (4) |
| 10. Evaporator Baffle | 37. Light Switch | 64. Compressor Panel |
| 11. Evaporator Set | 38. Thermostat | 65. Swivel Castor w/ Lock |
| 12. Bracket Baffle (right) | 39. Thermostat Indicator | 66. Swivel Castor |
| 13. Bracket Baffle (left) | 40. Thermostat Box | 67. Directional Castor (2) |
| 14. Basket (middle) | 41. Thermostat Box Cover | 68. Tension Rod (2) |
| 15. Basket (side) (2) | 42. Baffle of Inner Fan | 69. Tension Rod (bottom left) |
| 16. Wires Clip (7) | 43. Inner Fan (2) | 70. Tension Rod (top left) |
| 17. Junction Box Set | 44. Fan Bar (2) | 71. Tension Rod (bottom right) |
| 18. Rear Compartment Grill | 45. Transformer Box 1 | 72. Tension Rod (top right) |
| 19. Gasket | 46. Transformer Box 2 | 73. Damper (left) |
| 20. Plastic Graphic Frame | 47. Transformer (0.6A) | 74. Damper (right) |
| 21. Inner Light Transformer (0.3A) | 48. LED Light Cover | 75. Trim Piece (bottom left) |
| 22. Inner Fan Baffle Bracket | 49. LED Light Holder Cover (2) | 76. Trim Piece (bottom right) |
| 23. Wires Sleeve | 50. Wire Tray Bracket | 77. Trim Piece (bottom back) (2) |
| 24. Handle | 51. Defrost Timer | 78. Dry Filter Bracket |
| 25. #4 Spring Washer (2) | 52. Filter Drier | 79. Dry Filter Clip |
| 26. Hinge Cover (bottom right) | 53. Power Cord | 80. LED Panel Wires |
| 27. Hinge Cover (top right) | 54. Electrical Board | |

Models: G-60e-N23EB, G-60e-N23EB-HC



PARTS & IDENTIFICATION



- | | | | |
|---------------------------------|-------------------------------------|------------------------------------|---------------------------------|
| 1. Foam Cabinet | 20. Bracket Baffle (right) | 39. Compressor | 58. Dry Filter Bracket |
| 2. Graphic Holder (back, 2) | 21. Plastic Graphic Frame | 40. Capacitor | 59. Filter Drier |
| 3. Canopy Board | 22. Trim Piece (bottom left) | 41. Condensate Coil | 60. Front Grill |
| 4. Hinge Gasket (2) | 23. Electrical Board | 42. Basket (side, 2) | 61. Front Grill Bracket (2) |
| 5. Damper (left) | 24. Junction Box Set | 43. Basket (middle) | 62. Fan Connecting Wire |
| 6. Canopy Fixing Plate (left) | 25. Transformer Box | 44. Tension Rod Box (top left) | 63. Compressor Connecting Wire |
| 7. Damping Box Left Upper | 26. Transformer | 45. Tension Rod Box (bottom left) | 64. Inner Fan Connecting Wire |
| 8. Damping Box Left Bottom | 27. Trim Piece (top back, 4) | 46. Tension Rod Box (bottom right) | 65. Thermostat Connecting Wire |
| 9. Lid Assembly | 28. Trim Piece (bottom right) | 47. Tension Rod Box (top right) | 66. Thermostat Label |
| 10. Hinge Cover (8) | 29. Trim Piece (top left, 2) | 48. Foot Sleeve (4) | 67. Thermostat |
| 11. Canopy Fixing Plate (right) | 30. Wire Tray Bracket | 49. Leveling Leg (4) | 68. Thermostat Box |
| 12. Tension Rod (2) | 31. Wires Clip (6) | 50. Castor Installation Base | 69. Thermostat Box Cover |
| 13. Damping Box Upper Right | 32. Evaporator Fan (2) | 51. Swivel Castor with Brake | 70. Switch Hole Cover |
| 14. Damping Right | 33. Evaporator | 52. Directional Castor (2) | 71. Trim Piece (bottom, 2) |
| 15. Dampener Box Right Bottom | 34. Suction Tube Part and Capillary | 53. Swivel Castor (2) | 72. Plastic Clip |
| 16. Baffle of Inner Fan | 35. Bracket Baffle (left) | 54. Drip Pan | 73. Rear Compartment Grill |
| 17. Evaporator Fan Shroud (2) | 36. Electrical Wire Tray (2) | 55. Condenser | 74. Power Cord |
| 18. Inner Fan Baffle Bracket | 37. Defrost Timer | 56. Condenser Fan | 75. Power Cord Holder (2) |
| 19. Evaporator Baffle | 38. Compressor Accessories | 57. Compressor Board | 76. Trim Piece (bottom back, 2) |

Model: G-60e-NA34B

SAFETY INSTRUCTIONS

1. When using this appliance, always follow the basic safety precautions:
2. Read the entire User's Manual before operating this appliance.
3. Use this appliance only for its intended purpose as described in this User's Manual.
4. This cooler must be properly installed in accordance with the installation instructions before being used. See grounding instructions.
5. IDW requires that a dedicated circuit be used for the unit. Failure to do so voids warranty.
6. Never unplug your cooler by pulling on the power cord. Always grasp the plug firmly and pull it straight out from the outlet.
7. 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.
8. When disconnecting the power source, wait at least 5 minutes to reconnect the power to avoid damage to the compressor and the cooling system.
9. 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.
10. Do not operate or store your cooler near or around explosive fumes, gasoline or other flammable vapors and liquids.
11. Do not use flammable liquids to clean unit.
12. Setting the temperature control to the 0 position does not remove power to the light circuit, perimeter heaters, or evaporator fans.
13. Do not adjust the temperature control. The temperature control is factory set between levels 4 and 5 for maximum performance.
14. 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:

1. Lid removed.
2. 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:

1. To recover all refrigerant from the cooler
2. 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!

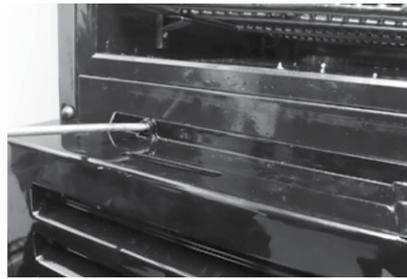
MAINTENANCE

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.



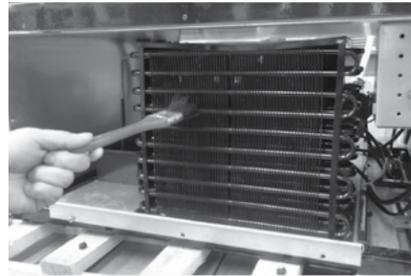
1 Remove the rubber cap from the front grill.



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

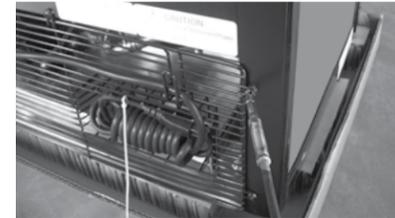
- Unplug the cooler before cleaning.
- Use a soft cloth or sponge with soap and water (non-corrosive mild detergent), while cleaning. After cleaning, wipe the cooler using a dry cloth to prevent the cooler from rusting.
- Do not spray water on the cooler, and do not use hard or steel brushes to clean 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

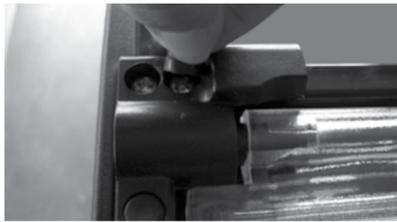
1. Remove all product from the unit.
2. Secure all loose parts inside the cooler.
3. Tape the door shut.
4. Be sure to ship the cooler in an upright position.

Drip Pan

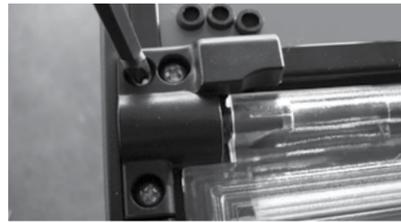
1. During normal compressor cycle, water will drain into the drip pan and evaporate.



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.

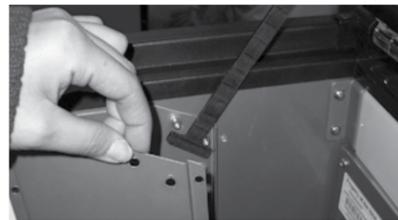
5. Follow steps 1-4 listed in the 'Tension Rod Replacement' section to remove the tension rod and remove the Trio lid.

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.

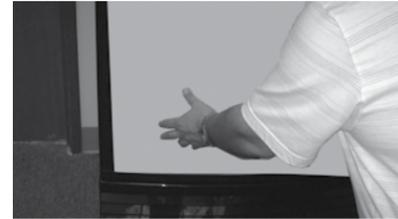


2. This will create a bubble in the graphic.



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

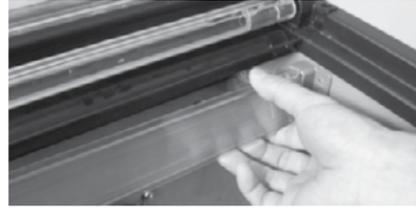
MODEL	VOLUME(L)	RATED VOLTAGE	RATED CURRENT	REFRIGERANT
G-60e-N23EB G-60e-N23EB-HC G-60e-NA34B	5 ft ³	110-120V/60Hz	2.0A	R600a
NSF/ANSI-7: Beverage Cooler		A refrigerator intended solely for the storage and/or display of packaged beverage products that are non-potentially hazardous, such as soda (pop), beer, and wine.		

LIGHT REPLACEMENT

Unplug the cooler before removing the LED lighting assembly.



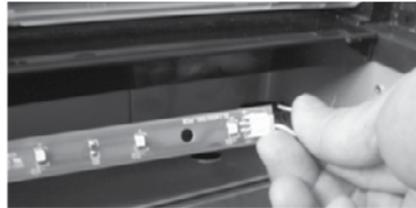
1 Using a Phillip's screwdriver, remove the (2) screws from the right light cover holder.



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

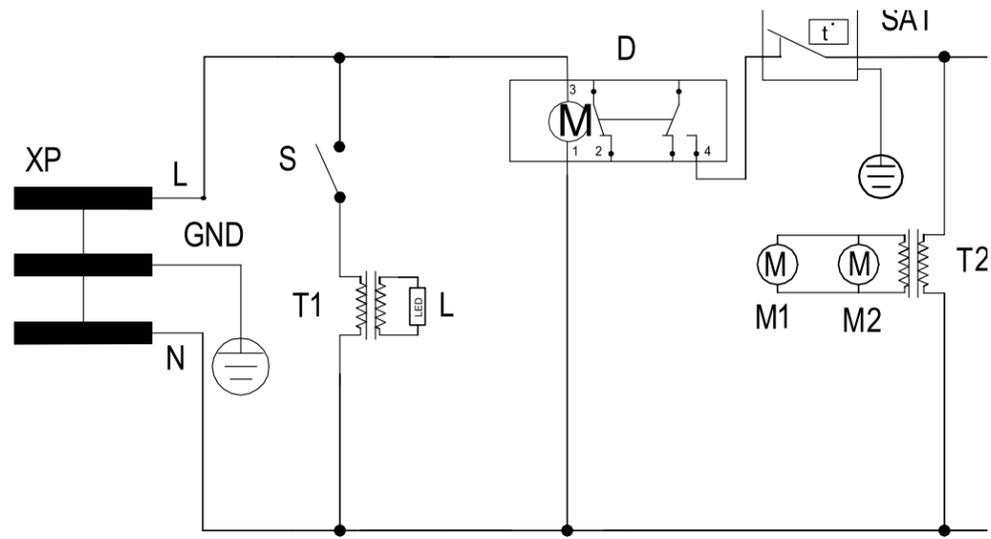
Any product has the possibility of malfunction. Please observe the cooler's operation and any changes to product being stored. If there are any abnormal cases, refer to the table below. If there is still no change after following the below instructions, please inform our service center in a timely manner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

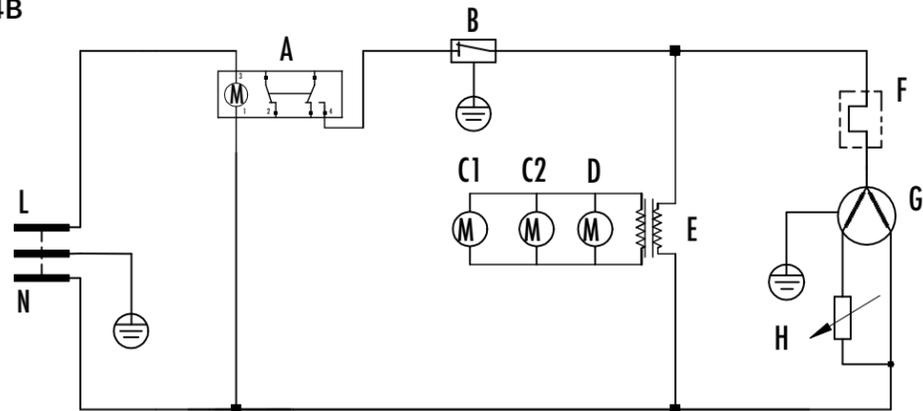
Model: G-60e-N23EB, G-60e-N23EB-HC



- XP-PLUG
- T1-ADAPTOR
- D-DEFROST TIMER
- S-INNER LED SWITCH
- L-LED LAMP
- SAT-TEMPERATURE CC

CIRCUIT DIAGRAM

Model: G-60e-NA34B



- A - Defrost Timer
- B - Thermostat
- C - Evaporator Fan
- D - Condenser Fan
- E - Fan Transformer
- F - Overload Protector
- G - Compressor
- H - Starting Relay



Innovative DisplayWorks, Inc.

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