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G-Series Cooler

Instruction Manual G-1/GS-1 G-1.5/GS-1.5 G-2/GS-2 G-4/GS-4 **G5/GS-5**

Models: Listed on Inside Cover •••••••

...... •••••• •••••••••••••••• ••••••••••••• •••••••••• ••••••••••• ••••••••••••• ••••••••••• ••••••••••••••••• ••••••••• •••••••••••••••• •••••••••••••••• ••••••••••••••••• ••••••••••••• •••••••••• •• •••••••• •••••••••• •• ••••••••••••••• •••••••••• •••••••••• ••••••••••••••••• ••••••••• •••••••••••••• ••••••••••••••••• •••••••• •••••••••• ••••••••••••••• •••••••••••••••• •••••••••• •••••• ••••••••• ••••••••• 00000 0000 00000

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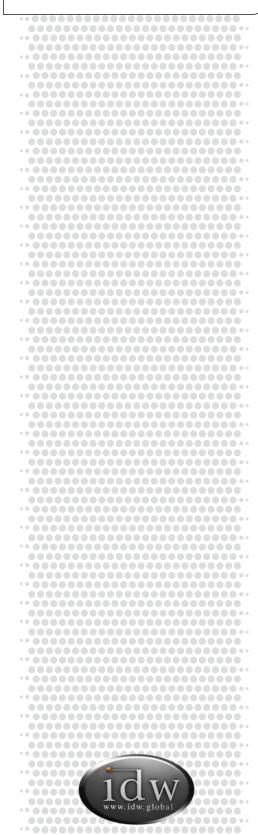






G-Series Cooler Instruction Manual

G-1/GS-1, G-1.5/GS-1.5, G-2/GS-2, G-4/GS-4, G5/GS-5



G-1/GS-1 Models:

GS-1-#234B GS-1-*234B GS-1-2*234B (#=0,2,N,A) (*=B,W,P)

G-1.5/GS-1.5 Models:

GS-1.5-*234B GS-1.5-2*234B (#=0,2,N,A) (*=B,W,P)

GS-1.5-#234B

G-2/GS-2 Models:

GS-2-#234B GS-2-*234B GS-2-2*234B (#=0,2,N,A) (*=B,W,P) G-4/GS-4 Models:

GS-4-^#234B GS-4-^*234B GS-4-^2*234B G4-H0234B GS-4-#234B-HUT G4-0234B-HUT GS-4-*234B-HUT GS-4-2*234B-HUT

(#=0,2,N,A)

(*=B,W,P)

G-5/GS-5 Models:

GS-5-^#234B G-5-^#234B GS-5-^*234B GS-5-^*#234B GS-5-2*#234B GS-5-2*234B (^=H) (#=0,2,N,A) (*=B,W,P)

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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.

G-1/GS-1 G-1.5/GS-1.5 G-2/GS-2 G-4/GS-4 G5/GS-5

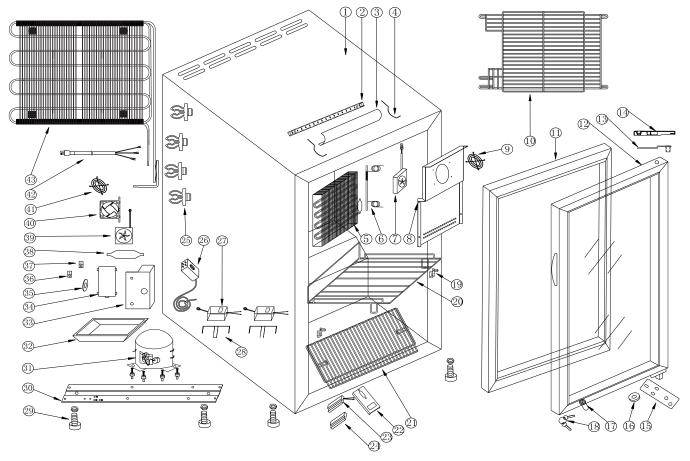
• Keep your receipt with this manual for future warranty service.

Model #:	
Serial #:	
Date of Purchase:	
Date of Farenase.	

3

PARTS & IDENTIFICATION

GS-1



- 1. Cabinet
- 2. Interior LED
- 3. Interior Lampshade
- 4. Interior Lampshade Bracket (2)
- 5. Evaporator
- 6. Circle Pipe
- 7. Evaporator Fan
- 8. Evaporator Safeguard
- 9. Evaporator Fan Cover
- 10. Rear Grill
- 11. Door Gasket

- 12. Glass Door
- 13. Top Hinge
- 14. Hinge Cover

- 20. Large Shelf
- 22. Lockpin

- 15. Bottom Hinge
- 17. Lock
- 19. Shelf Clip (2)

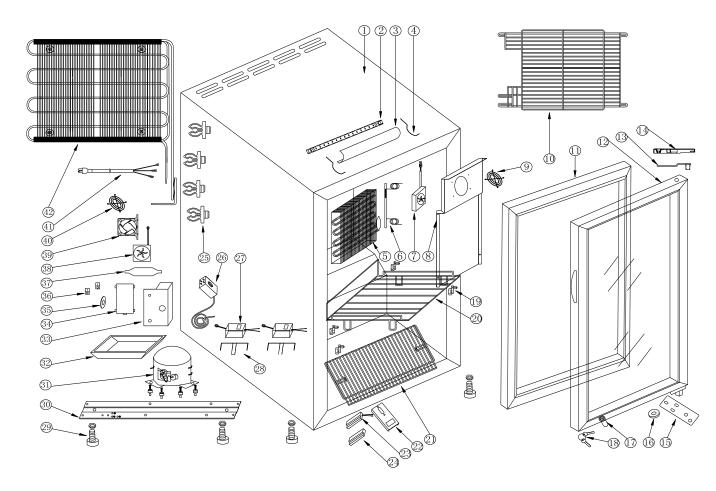
- 16. Bottom Hinge Washer
- 18. Key
- 21. Small Shelf

- 24. Magnetic Sensor
- - 26. Thermostat
 - 27. Transformer
 - 28. Transformer Box
 - 29. Leveling Leg
 - 30. Compressor Base
 - 31. Compressor
 - 32. Drip Pan
 - 33. Thermostat Box

- 23. Magnetic Switch
- 25. Condenser Support

- 34. Thermostat Box Cover
- 35. Thermostat Label
- 36. Switch for Door Light
- 37. Switch for Internal Light
- 38. Filter Drier
- 39. Condenser Fan
- 40. Condenser Fan Cover
- 41. Fan Cover
- 42. Power Cord
- 43. Condenser

PARTS & IDENTIFICATION GS-1.5



- 1. Cabinet
- 2. Interior LED
- 3. Interior Lampshade
- 4. Interior Lampshade Bracket (2)
- 5. Evaporator
- 6. Circle Pipe
- 7. Evaporator Fan
- 8. Evaporator Safeguard
- 9. Evaporator Fan Cover
- 10. Rear Grill

- 11. Door Gasket
- 12. Glass Door
- 13. Top Hinge
- 14. Hinge Cover
- 15. Bottom Hinge
- 16. Bottom Hinge Washer
- 17. Lock
- 18. Key
- 19. Shelf Clip (4)
- 20. Large Shelf
- 21. Small Shelf

- 22. Lockpin
- 23. Magnetic Switch
- 24. Magnetic Sensor
- 25. Condenser Support (4)
- 26. Thermostat
- 27. Transformer
- 28. Transformer Box
- 29. Leveling Leg (4)
- 30. Compressor Base
- 31. Compressor 32. Drip Pan

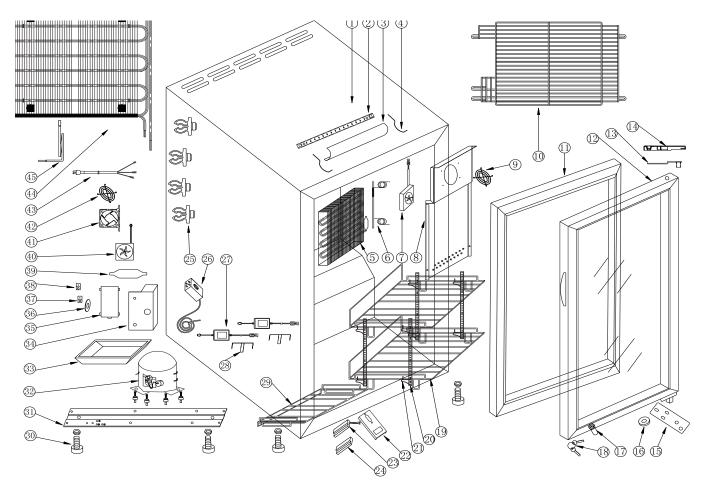
- 33. Thermostat Box
- 34. Thermostat Box Cover
- 35. Thermostat Label
- 36. Door Light Switch (2)

39. Condenser Fan Cover

- 37. Filter Dryer
- 38. Condenser Fan
- 40. Fan Cover
- 41. Power Cord
- 42. Condenser

PARTS & IDENTIFICATION

GS-2



- 1. Cabinet
- 2. Interior Light
- 3. Interior Light Cover
- 4. Interior Light Cover Bracket (2)
- 5. Evaporator
- 6. Return Pipe
- 7. Evaporator Fan
- 8. Evaporator Plate
- 9. Evaporator Fan Cover Grill
- 10. Rear Grill

- 11. Door Gasket
- 13. Top Hinge

- 15. Bottom Hinge

- 18. Key (2)

- 12. Glass Door
- 14. Hinge Cover

- 16. Bottom Hinge Washer
- 17. Lock
- 19. Large Shelf (2)
- 20. Bracket (4)
- 21. Clip (8)
- 22. Lockpin

- 23. Magnetic Switch

- 26. Thermostat
- 27. Transformer
- 28. Transformer Box

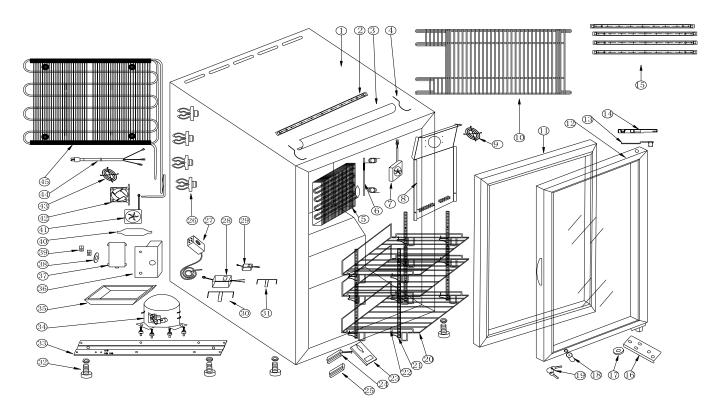
- 34. Thermostat Box

- 24. Magnetic Sensor
- 25. Condenser Bracket (4)

- 29. Small Shelf
- 30. Leveling Leg (4)
- 31. Compressor Base
- 32. Compressor
- 33. Drip Pan

- 35. Thermostat Box Cover
- 36. Thermostat Label
- 37. Door Light Switch
- 38. Interior Light Switch
- 39. Filter Dryer
- 40. Condenser Fan
- 41. Condenser Fan Cover
- 42. Condenser Fan Grill
- 43. Power Cord
- 44. Condenser
- 45. Heating Pipe

PARTS & IDENTIFICATION G-4/GS-4



- 1. Cabinet
- 2. Interior LED Lamp
- 3. Interior Light Cover
- 4. Interior Light Bracket (2)
- 5. Evaporator
- 6. Return Pipe
- 7. Evaporator Fan
- 9. Evaporator Fan Cover
- 10. Rear Grill

- 16. Bottom Hinge
 - - 18. Lock
- 8. Evaporator Safeguard

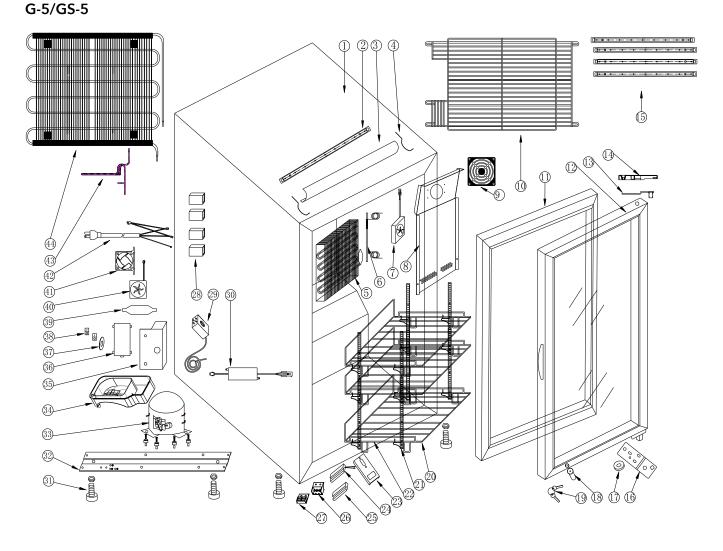
- 11. Door Gasket 12. Glass Door

- 13. Top Hinge
- 14. Hinge Cover
- 15. LED Lights (4)
- 17. Bottom Hinge Washer
- 19. Key (2)
- 20. Large Shelf (3)
- 21. Pilasters (4)
- 22. Shelf Clips (12)
- 23. Lockpin 24. Magnetic Switch

- 25. Magnetic Sensor
- 26. Consender Clip (4)
- 27. Thermostat
- 28. Transformer 1A
- 29. Transformer for Condenser Fan
- 30. Transformer Box
- 31. Transformer Box
- 32. Leveling Leg (4)
- 33. Compressor Base 34. Compressor
- 35. Drip Pan

- 36. Thermostat Box
- 37. Thermostat Box Cover
- 38. Thermostat Label
- 39. Switch (2)
- 40. Filter Dryer 41. Condenser Fan
- 42. Condenser Fan Cover
- 43. Condenser Fan Grill
- 44. Power Cord 45. Condenser

PARTS & IDENTIFICATION



- Cabinet
- 2. Interior LED Lamp
- Interior Light Cover
- Interior Light Bracket (2)
- Evaporator
- Return Pipe
- 7. Evaporator Fan
- 8. Evaporator Safeguard
- 9. Evaporator Plastic Fan Cover
- 10. Rear Grill

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11. Door Gasket

- 12. Glass Door
- 13. Top Hinge

- 17. Bottom Hinge Washer
- 18. Lock
- 19. Key (2)
- 20. Large Shelf (4)
- 21. Pilasters (4)
- 22. Shelf Clips (16)
- 23. Lockpin

- 14. Hinge Cover
- 15. LED Lights (4)
- 16. Bottom Hinge

- 35. Thermostat Box

- 24. Magnetic Switch
- 25. Magnetic Sensor
- 26. Magnetic Switch Box
- 27. Magentic Switch Cover
- 28. Condenser Clip (4)
- 29. Thermostat
- 30. Switching Power Supply
- 31. Leveling Leg (4)
- 32. Compressor Base
- 33. Compressor
- 34. Drip Pan

- 36. Thermostat Box Cover
- 37. Thermostat Label
- 38. Switch (2)
- 39. Filter Dryer
- 40. Condenser Fan
- 41. Condenser Fan Cover
- 42. Power Cord
- 43. Heating Pipe
- 44. Condenser

SAFETY INSTRUCTIONS

- 1. To reduce the risk of fire, electric shocks, or injury when using your cooler, please note the following basic precautions:
- 2. Never clean appliance parts with flammable fluids.
- 3. Do not store or use gasoline or any other flammable vapors and liquids in the vicinity of this or any other appliance. The fumes can cause a fire or explosion.
- 4. As with all electrical appliances, please consult a licensed repair technician for any repairs.
- Do not block the ventilation holes located on the top of the cabinet.

Installation

- Keep cooler in an upright position for 1-hour prior to use. This is essential for proper operation. If the cooler is transported in the horizontal position, the cooler must be returned to the upright position and not plugged in for 1 hour.
- Remove all the packing material before using your
- Clean the interior surface with a soft cloth and lukewarm water.
- If the cooler is transported in the horizontal position, check the drain pan and ensure that it is properly positioned above the compressor.
- For proper operation, place the cooler on a dry, level surface.
- Place the cooler at least 4" away from any walls. Otherwise, this could cause damage to the electrical cord and block the air circulation to the appliance.
- Do not block the air intake that ventilates the condenser unit.

Electric Connection

- This model operates with an 110-120V/60Hz power supply. Check the electrical outlet for proper voltage.
- Warning: Plug unit directly into wall outlet. Do not use an extension cord or any other multiple connectors.
- For your safety, plug the unit into a grounded wall

Start

- Plug the cooler into the electrical outlet. For optimum performance, run cooler for 3 hours prior to use.
- Temperature Control: Do not adjust the temperature control. The temperature control is factory set to provide maximum performance. If really necessary, you can turn the thermostat by screw driver clockwise to have lower temperature inside the cooler

Light Control

The inside light is controlled by the magnetic switch.

PLEASE SAVE THESE INSTRUCTIONS!

DANGER!

PROPER DISPOSAL OF THE REFRIGERATOR

Pre-Caution, Non-Operating Coolers Should Have:

- 1. Door removed.
- 2. Shelves 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

G-1/GS-1 G-1.5/GS-1.5 G-2/GS-2 G-4/GS-4 G5/GS-5

MAINTENANCE

Cleaning

- Before cleaning the appliance, always remember to unplug it.
- Unplug the cooler at the electrical outlet; never pull the service cord.
- Do not use sharp or pointed objects for cleaning.
- Clean the inside cabinet of the cooler with a clean damp cloth. Avoid damage by using non-abrasive and non-flammable cleaning products.
- Clean the condenser at least once a month with a vacuum cleaner or a brush to eliminate the dust accumulation.

Light Replacement

- Unplug the cooler before removing the LED light strip.
- Remove the screws.
- Remove the light cover gently.
- Take out the LED light strip.
- Replace the used strip with new equivalent light strip.
- Install the light cover and tighten the screws.
- Plug in the cooler.

Power Failure

- Please minimize the frequency of opening the door during a power failure.
- If your cooler is unused for an extended period of time, unplug, empty, and clean your cooler and keep the door open to avoid condensation, formation of mold, or odors.

Moving The Cooler

- Empty the unit.
- Secure all loose parts inside the cooler.
- Tape the door shut.
- During transportation, make sure that the cooler is in an upright position.

Drip Pan

- During normal compressor cycle, water will drain into the drain pan and evaporate.
- To clean, gently pull the drain pan towards you and remove. Slowly reinstall it after cleaning.

LEVELING

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- Place the cooler on a dry, level surface.
- Unit must be leveled for proper operation, this will help prevent condensation.
- The cooler should be leveled front to back and side to side with a level.



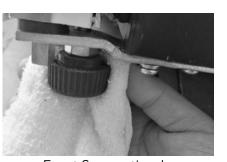
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LEVELING LEG CLEANING

• Use a cloth to clean leveling legs.



Main Leveling Legs



Front Supporting Leg

UNDER CABINET CLEANING

- Before starting, unplug the power cord to make sure the cooler is powered off.
- Once finished, plug the cooler power cord back in.



 Tilt the cooler back and use cloth to clean the bottom of cabinet.



 Use the cloth to also clean the compressor base board. Then level the cooler.

SHELVING INSTALLATION



Shelves are secured in place with zip ties. Cut zip ties to adjust shelves as desired.



Securely insert shelf clips into pilasters.



Shelf clips should be level so shelf lays flat.

G-1/GS-1 maximum load per shelf is 9.26 lbs/4.2 kg G-1.5/GS-1.5 maximum load per shelf is 9.92 lbs/4.5 kg G-2/GS-2 maximum load per shelf is 15.43 lbs/7 kg G-4/GS-4 maximum load per shelf is 34 lbs/15.42 kg G-5/GS-5 maximum load per shelf is 34 lbs/15.42 kg

Display refrigerators can be loaded within the shelf dimensions from the front to back side. They can also be loaded in any space from the bottom to the top interior cabinet. Do not allow product to block the evaporator fan cover because the evaporator fan helps the cooler to ventilate properly.

Instruction Manual

SPECIFICATIONS

MODEL	INTERNAL VOLUME	RATED VOLTAGE	RATED CURRENT	LAMP INPUT POWER	REFRIGERANT	
GS-1-0234B GS-1-#234B GS-1-*234B GS-1-2*234B	.83 ft³ /23.5 L			0.9W 2.34W		
(#=0,2,N.A), (*=B,W,P) GS-1.5-0234B				0.9W		
GS-1.5-#234B GS-1.5-*234B GS-1.5-2*234B (#=0,2,N.A), (*=B,W,P)	.96 ft³ /27 L		2А	2.34W		
GS-2-0234B				0.9W		
GS-2-#234B GS-2-*234B GS-2-2#234B GS-2-2*234B (#=0,2,N.A), (*=B,W,P)	2.21 ft³ /63 L				2.7W	
GS-4-^0234B G-4-^0234B				2.16W	R600a	
GS-4-^#234B, GS-4-^*234B, GS-4-^2*234B, GS-4-#234B-HUT, G4-#234B-HUT, GS-4-*234B-HUT, GS-4-2*234B-HUT, (^=H), (#=0,2,N.A), (*=B,W,P)	4.22 ft³ /119 L		.95A	4.32W		
G-5-^0234B			1.1A	3.06W		
G-5-^#234B GS-5-^#234B GS-5-^*#234B GS-5-2*#234B GS-5-^*234B GS-5-2*234B (^=H), (#=0,2,N.A), (*=B,W,P)	5.32ft³ /150.5 L			5.22W		

NSF/ASNI-7: Type II Display Refrigerator

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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).



G-1/GS-1 G-1.5/GS-1.5 G-2/GS-2 G-4/GS-4 G5/GS-5

TROUBLESHOOTING

The following are NOT malfunctions:

Situation	Causes	
Liquid flowing noise within cooler	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	This refrigerator is well insulated and can maintain a relatively ambient temperature.	
Condensation on door/lid	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: 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	 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	 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	 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



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CAUTION FLAMMABLE REFRIGERANT

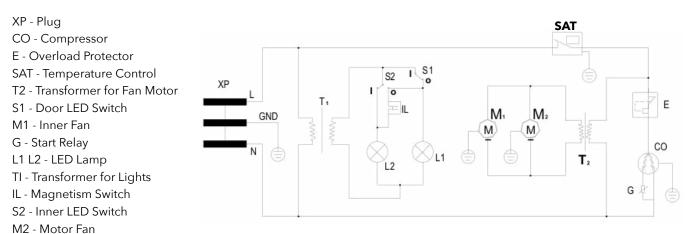
- DANGER Risk Of Fire Or Explosion. Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing.
- CAUTION Risk Of Fire Or Explosion. Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Install or Service This Product. 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.

Switch Status	Interior LED Switch	Door LED Switch	Remark
1/1	ON	ON	Interior Lights ON and Door logo ON
1/0	ON	OFF	Interior Lights ON and Door logo OFF
0/1	OFF	ON	Interior Lights OFF and Door logo ON, Interior Lights turn ON when door opens
0/0	OFF	OFF	Interior Lights OFF and Door logo OFF, Interior Lights turn ON when door opens



CIRCUIT DIAGRAM FOR GS-1 MODELS

GS-1-N234B, GS-1-W234B, GS-1-B234B, GS-1-P234B



GS-1-0234B

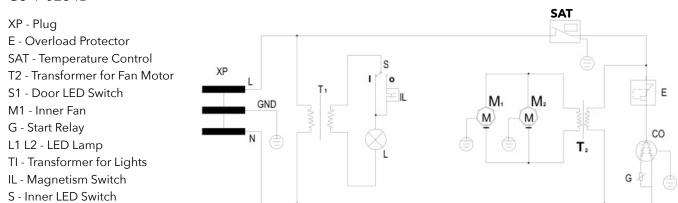
M2 - Motor Fan

XP - Plug

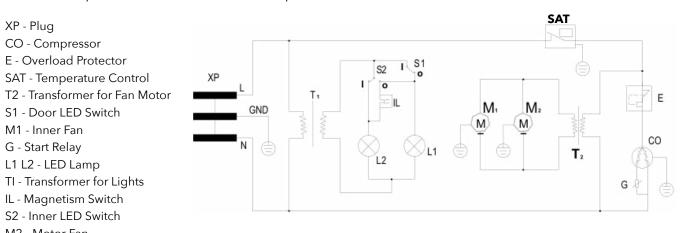
CO - Compressor

M1 - Inner Fan G - Start Relay L1 L2 - LED Lamp

M2 - Motor Fan

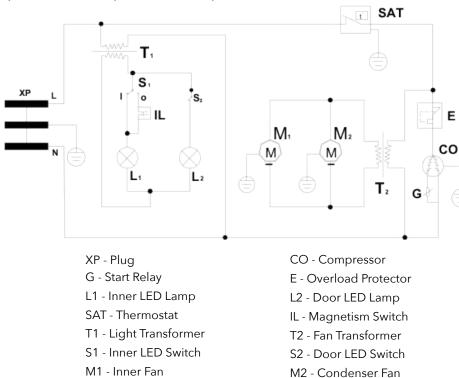


GS-1-2234B, GS-1-2W234B. GS-1-2B234B, GS-1-2P234B

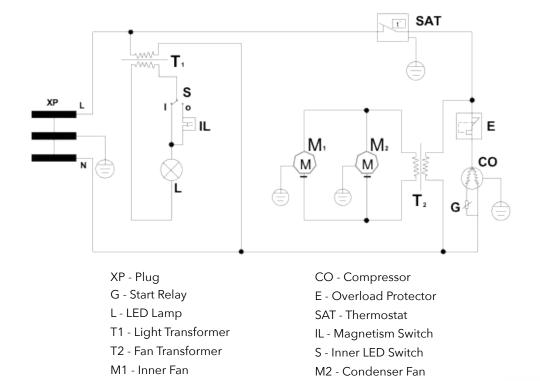


CIRCUIT DIAGRAM FOR GS-1.5 MODELS

GS-1.5-N234B, GS-1.5-W234B, GS-1.5-B234B, GS-1.5-P234B

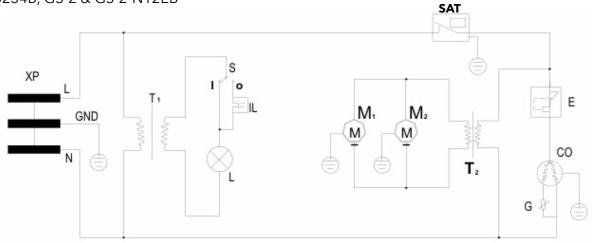


GS-1.5-0234B



CIRCUIT DIAGRAM FOR GS-2 MODELS

GS-2-0234B, GS-2 & GS-2-N12EB



XP - Plug

E - Overload Protector

SAT - Thermostat

T2 - Transformer for Fan Motor

S - Door LED Switch

M1 - Inner Fan

G - Start Relay

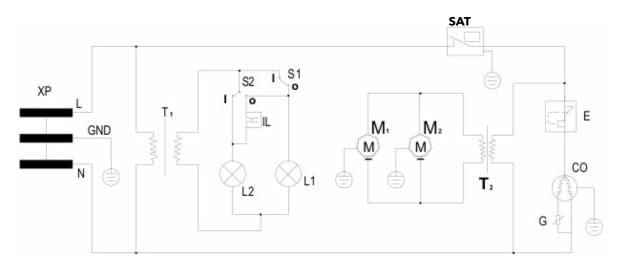
L - LED Lamp

TI - Transformer for Lights

IL - Magnetism Switch

M2 - Motor Fan

GS-2-2234B, GS-2-2W234B, GS-2-2B234B, GS-2-2P234B



XP - Plug

CO - Compressor

E - Overload Protector

SAT - Thermostat

T2 - Transformer for Fan Motor

S1 - Door LED Switch

M1 - Inner Fan

G - Start Relay

L1 L2 - LED Lamp

TI - Transformer for Lights

IL - Magnetism Switch

S2 - Inner LED Switch

M2 - Motor Fan

CIRCUIT DIAGRAMS FOR GS-4 MODELS

GS-4-0234B

XP - Plug

G - Start Relay

L1, L2 - LED Lamp

M1 - Evaporator Fan

M2 - Condenser Fan

T1 - Transformer

CO - Compressor

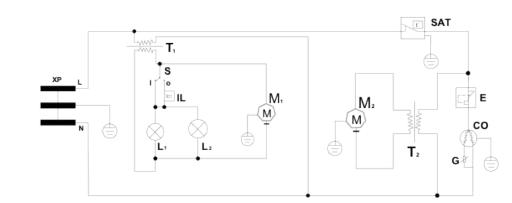
E - Overload Protector

SAT - Thermostat

IL - Magnetism Switch

S - Inner LED Switch

T2 - Transformer for Condenser Fan



GS-4-2234B, GS-4-2W234B, GS-4-2B234B, GS-4-2P234B

XP - Plug

G - Start Relay

L1, L2, L3 - LED Lamp

M1 - Evaporator Fan

M2 - Condenser Fan

T1 - Transformer

T2 - Transformer for Condenser Fan

CO - Compressor

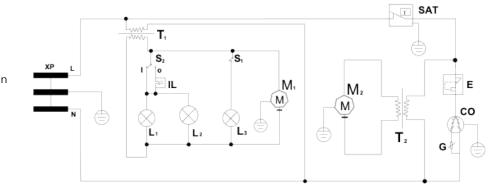
E - Overload Protector

SAT - Thermostat

IL - Magnetism Switch

S1 - Door LED Switch

S2 - Inner LED Switch



GS-4-A234B

XP - Plug

G - Starter

L1, L2, L3 - LED Lamp

M1 - Evaporator Fan

M2 - Condenser Fan

T1 - Transformer

T2 - Transformer for Condenser Fan

CO - Compressor

E - Overload Protector

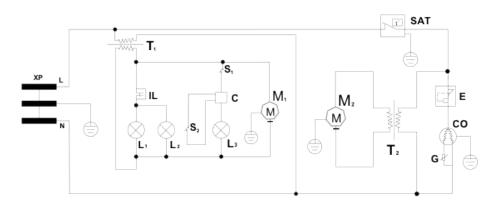
SAT - Thermostat

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IL - Magnetism Switch

S1 - Door LED Switch

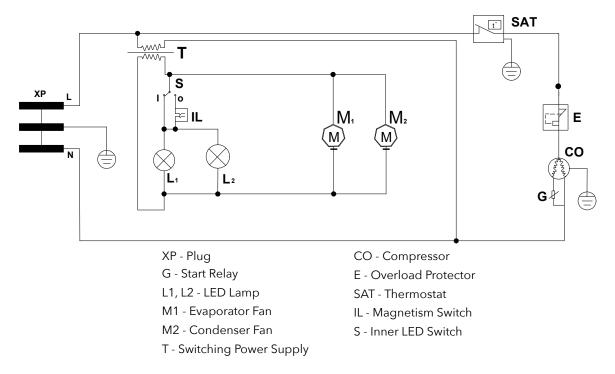
S2 - Inner LED Switch



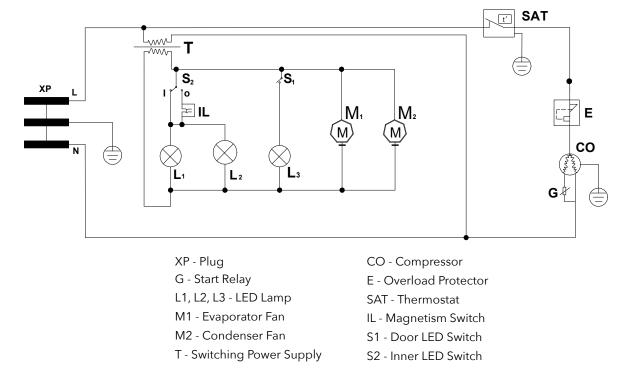


CIRCUIT DIAGRAM FOR GS-5 MODELS

GS-5-^*0234B, (^=H), (*=B,W,P)



GS-5-^*2234B, GS-5-^*A234B, GS-5-^*N234B, (^=H), (*=B,W,P)



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