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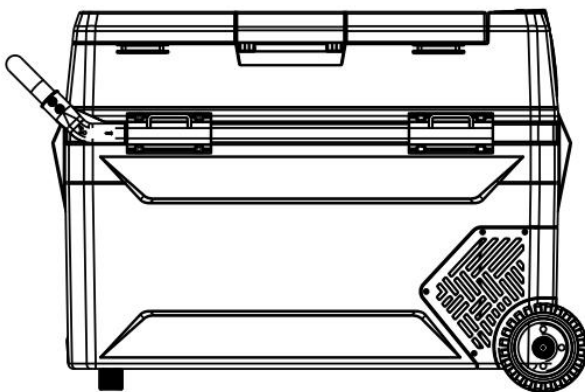
CAR REFRIGERATOR USER MANUAL

MODEL: J38 J53

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"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

J38 J53



<Picture Only For Reference >

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

 CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



This product is subject to the provision of European Directive 2012/19/EU. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices.

Attentions

Before using the refrigerator, please read this manual carefully and keep it properly.

1. Before using the refrigerator, clean it inside and outside with a damp cloth.
2. Do not fill the refrigerator with corrosive liquids. Do not directly pour liquids into the refrigerator.
3. When the refrigerator is not used for a long time, please disconnect the power supply and keep it dry.
4. Regularly clean the inner chamber to prevent odor and bacteria and ensure food safety.
5. This manual applies to J38 and J53 refrigerators (American and European markets).

Connect the power supply

1. Find the DC power cord in the kit. Connect DC plug to the power outlet of the car refrigerator.
2. Well place the refrigerators in the car (back-up, seats....).
3. Lay out power cords per your car's interior space. Then, insert the cigarette lighter plug (one side of the power cord) into the car cigarette lighter hole.
4. Press "ON/OFF" for 3 seconds, and the car refrigerator can be turned on.



Adapter

Connect the car cigarette lighter

Connect the car refrigerator

The product can be connected to more than one power supply.

The onboard refrigerator is directly connected to the DC12V/24V DC power supply.

The car refrigerator equipped with an AC100-240V AC adapter can be used at home with a voltage of AC100-240V.

Instructions

Car battery protection voltage reference:

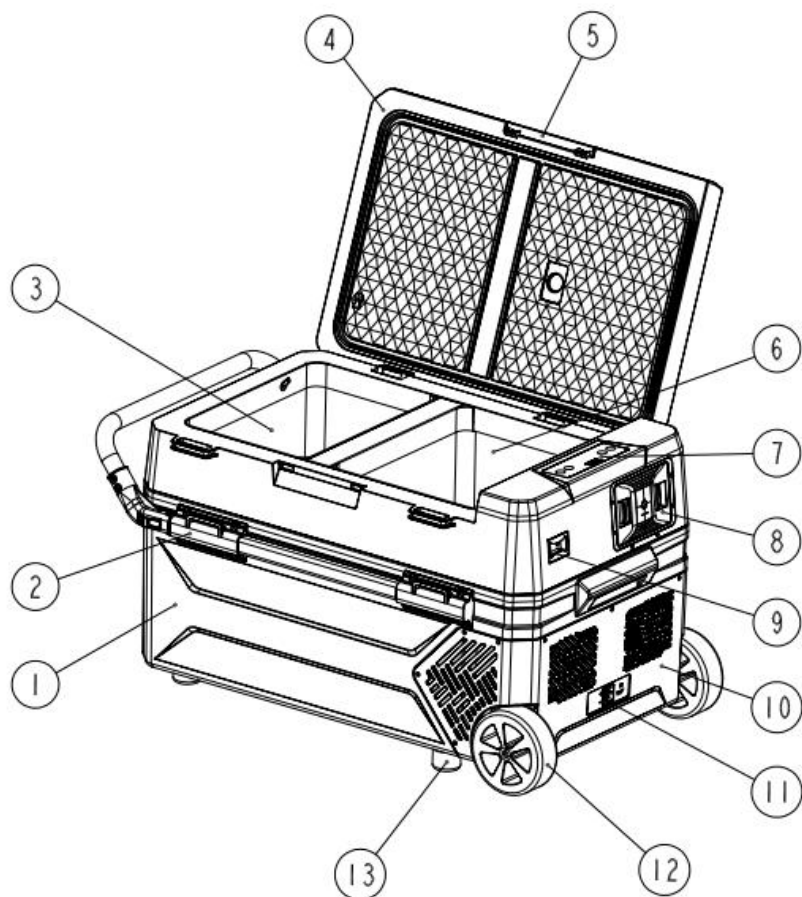
Built-in ECO electronic control module can automatically monitor the vehicle battery voltage. Before the power consumption affects the standard ignition of the vehicle, the onboard refrigerator will automatically disconnect the power supply to ensure that the vehicle battery power will not be too low to affect the standard ignition of the vehicle.

Battery voltage	Factory default voltage protection value H		
	H (high) level	M (medium) level	L (low) level
DC12V	DC11.3V OFF	DC10.1V OFF	DC9.6V OFF
	DC12.5V ON	DC11.4V ON	DC10.9V ON
DC24V	DC24.6V OFF	DC22.3V OFF	DC21.3V OFF
	DC26.0V ON	DC23.7V ON	DC22.7V ON

Note: When the power supply is connected and the refrigerator is turned on, disconnecting or starting refers to disconnecting or starting the compressor.

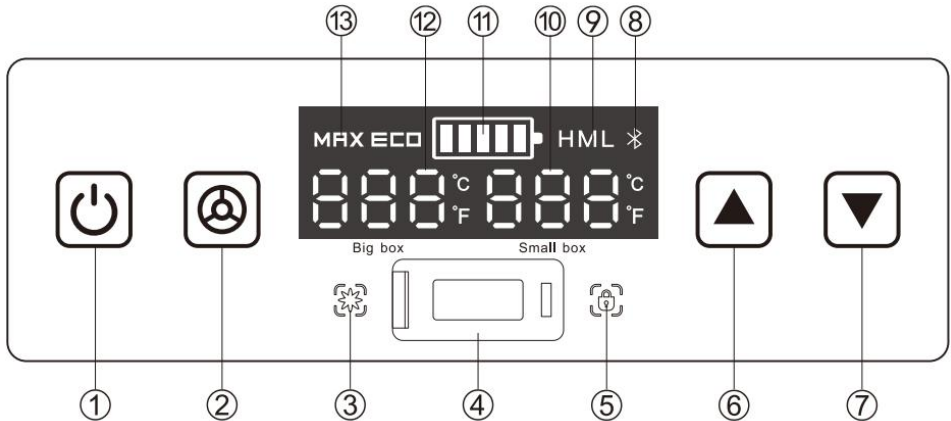
Component Diagram

- | | |
|----------------------------|-----------------------------------|
| 1. Cabinet | 2. Pull rod (optional) |
| 3. Left compartment | 4. lid |
| 5. Door buckle | 6. Right compartment |
| 7. Control panel | 8. Storage box (optional battery) |
| 9. Bottle opener | 10. Compressor cover |
| 11. Power connector | 12. Wheels (optional) |
| 13. Bottom feet (optional) | |



Operation Method

△Description of key panel and display contents



- ① ON/OFF button ② Setting button ③ Cooling indicator ④ USB charge port
⑤ Lock indicator ⑥ Temperature UP button ⑦ Temperature Down button
⑧ Blue tooth symbol (Optional) ⑨ Car battery protect level ⑩ Temperature indicator of right compartment ⑪ Power level Indicator of battery
⑫ Temperature indicator of left compartment ⑬ Running mode

△Function introduction

After power-on, the digital display screen will be fully lit for 1 second and displayed normally. The default is the last memory function. The display screen temperature figure will be permanently lit in the middle in standby mode.

1. Open and Close

After the power is turned on, the refrigerator will be in standby mode. Now, press the ON/OFF button to open the refrigerator. After the refrigerator is opened, the display will show the current temperature of the storage room. It will start running.


Warning: The displayed temperature is only the temperature around the sensor. The temperature of different points in the storage room is different.

Therefore, this is normal if the displayed temperature is different from the measured temperature.

When the refrigerator is running, press the ON/OFF button for 3 seconds, and the refrigerator will return to standby.

2. Temperature Setting

- 1) After starting up, press the " Δ " or " ∇ " key for a short time to enter the temperature setting state, and the corresponding box temperature number will flash. Each press will change by 1 $^{\circ}\text{C}$, and the maximum can be set to 10 $^{\circ}\text{C}$, and the minimum can be set to - 20 $^{\circ}\text{C}$;
- 2) After starting up, press and hold the " Δ " or " ∇ " key, and the temperature setting will be adjusted linearly at 2 $^{\circ}\text{C}$ per second;
- 3) In the temperature setting state, after no essential action is detected, the set temperature flashes for 3 seconds, exits and saves the current set temperature, and the display screen displays the actual temperature in the box;
- 4) The default value for initial startup is 0 $^{\circ}\text{C}$ /32 $^{\circ}\text{F}$.


5) Press "  " to switch the left/right box temperature setting in the temperature setting state.

3. Celsius/Fahrenheit Temperature Switch

Press the " Δ " and " ∇ " keys at the same time to change the brightness and Celsius degree when the machine is turned on.

4. Operation Mode Switching

In the power-on state, briefly press "  " to enter the cooling (MAX)/energy

saving mode (ECO) setting mode, and then briefly press "  " to switch the cooling (MAX)/energy saving mode (ECO); ECO is displayed on display in ECO mode, and MAX is displayed on display in MAX mode; The selected mode is still flashing for 2 seconds, and the current setting state is saved by default.


MAX running mode: the fridge will work hard to reduce temperature fast.

ECO running model: the fridge will work longer to reduce the temperature to save energy.

5. Battery Protection Settings



Battery protection is divided into three levels: L (low level), M (middle level) and H (high level)

Press and hold the " " key to enter the battery protection voltage setting

state, and the current gear icon will flash. Press and hold the " " key again, and the H/M/L cycle display will flash. If there is no key for 3 seconds, exit the setting, and the corresponding gear icon will remain on.

6. Key Lock Setting

After starting the machine, if no operation setting is made for more than 1 minute, the host will automatically enter the anti-misoperation locking state, and the

locking indicator " " will be on for a long time. Press and hold " " for 3 seconds to contact the anti-misoperation locking status for setting.

7. Temperature zone control setting

After starting the machine, press "Set" and "△" to close the left box, and press "Set" and "▽" to close the right box. There must be one box working between the left box and the right box.

8. Key operation instructions

When all keys are pressed, the buzzer rings once, indicating that the keys are valid; When there is no key operation within 5 seconds, exit the key setting and return to the actual temperature display status in the box.

The onboard refrigerator has a power-off memory function. The working state before power-off will be automatically restored after the next power-on, and there is no need to set it again.



Model Parameter Table:






Model No.	Capacity	Voltage	Power	Temperature Adjustable	Plug Type
J38	38L	AC 100~240V(50/60 Hz) DC 12V/24V	Cooling: 60W	50~-4°F	USA plug DC plug
J38	38L	AC 100~240V(50/60 Hz) DC 12V/24V	Cooling: 60W	10~-20°C	EU plug DC plug
J53	53L	AC 100~240V(50/60 Hz) DC 12V/24V	Cooling: 60W	50~-4°F	USA plug DC plug
J53	53L	AC 100~240V(50/60 Hz) DC 12V/24V	Cooling: 60W	10~-20°C	EU plug DC plug

△Install wheels and handles

In order to ensure the safety of products during transportation, the pull rod and roller are packaged separately, and the installation method is shown in the following figure:

Accessories:

 <p>Left pull rod ×1</p>	 <p>Right pull rod ×1</p>
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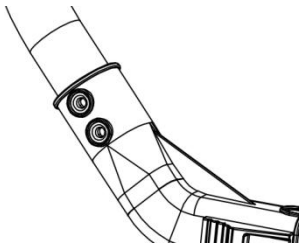
 <p>handle ×1</p>	 <p>Wheels ×2</p>
 <p>Screw driver ×1</p>	 <p>M4*12 screw ×16</p>
 <p>ST4*12 screw ×4</p>	

1.Install handle

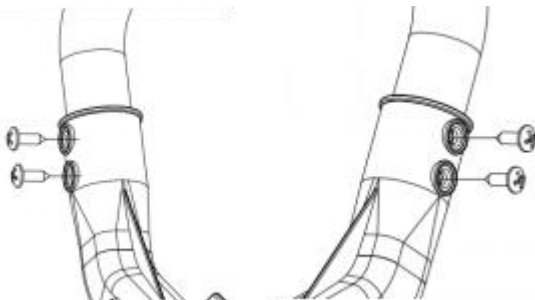
Insert the handle into the left and right rod, align the screw holes, and then fix them with screws.



① Insert the handle to the left rod and the right rod

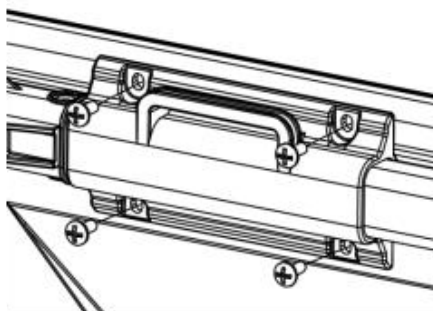
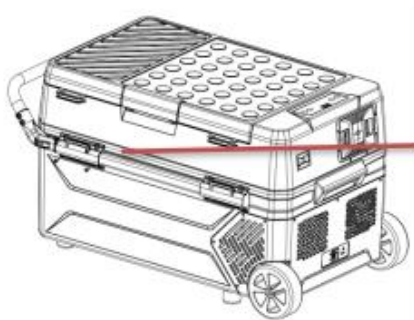


② Align screw holes in the handle and rods



③ Fix the handle and rods by screws(ST4*12)

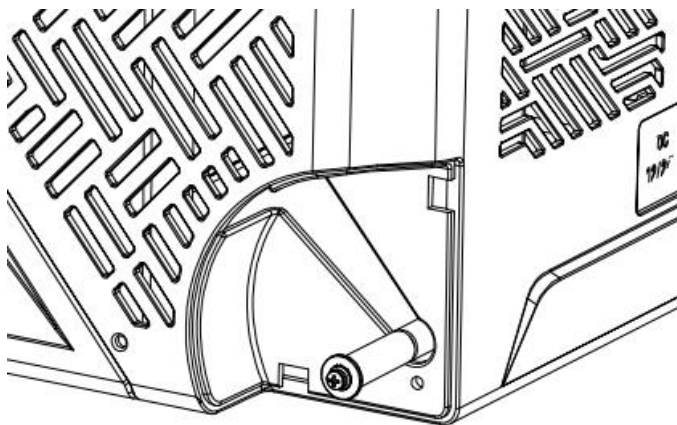
2. Connect brackets with body of fridge



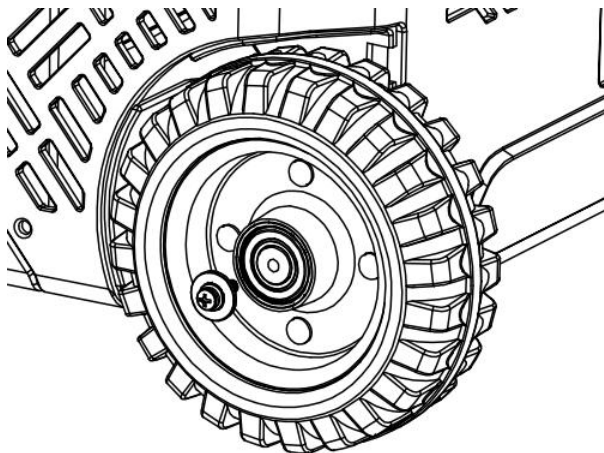
Match holes in brackets with holes in front and rear of body, then fix brackets with body by screws(M4*12).

3. Install wheels

① Use a screwdriver to remove the screws and shims on both sides of the roller shaft.

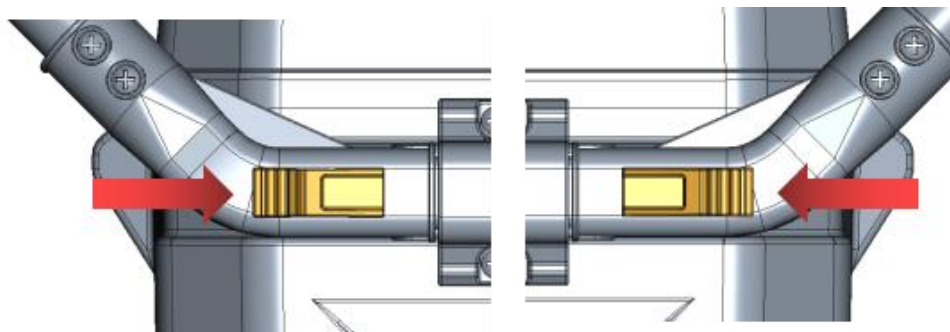


② Insert the roller into the roller shaft, and then tighten the removed screws and gaskets in the original sequence.



△Instructions for use of pull rod

The pull rod cannot be pulled out when it is locked. You need to operate the unlock button to unlock the pull rod, and then pull out the pull rod, as shown in the figure:



Simple Fault Analysis

Advice: If abnormal situations cannot be resolved through a simple fault analysis, please get in touch with professional customer service for assistance.

I. Car Refrigerator Does Not Work

1. Check if the power is connected properly. (check If the plug is loosened or positive and negative poles are reversed).
2. Check if the power switch on the operation panel is turned on.
3. Check if the cooling ventilation is normal.
4. Check if the fuse is blown.

II. Poor Cooling Performance

1. Check if the lid is closed properly.
2. Check if the door seal is damaged or deformed.
3. Check if there is poor ventilation around the fridges.
4. Check if the temperature is set properly.

△Definition Of Error Codes On The Display

Error Code	Error Type
E1	Low Input Voltage

E2	Fan Fault
E3	Compressor start failed
E4	Low Rotational Speed of Compressor
E5	Controller module temperature too high
E6	Open or Short Circuit of NTC

III. Abnormal Noise

- 1.The car refrigerator is not placed smoothly.
- 2.Touch a wall or other object.
- 3.There are parts loose or falling off inside.

IV. Condensation on Refrigerator Surface

When the ambient air humidity exceeds 75%, slight condensation will occur on the box surface, which is normal.

Failures and Solutions

△E1: Low Input Voltage

Failure 1: Insert the refrigerator power cord into the cigarette lighter before the car starts. Solution 1: Wait a while to connect the car after it starts.

Failure 2: The input voltage of the adapter is too low.

Solution 2: Adjust the battery protection level to middle-voltage or low-voltage. If it doesn't work, please replace a new adapter.

△E2: Fan Fault

Please replace a new fan when identify there is a fan malfunction.

△E3: Input Voltage Fault Due to Compressor Frequently Start

When the refrigerator is used in car and E3 appearing, Please shut down for 5 minutes and restart it.

If it doesn't work, that can be identified to be EI fault, please solve it according to the solution of EI.

When the refrigerator is connecting with adapter and E3 appearing

- ① Please adjust battery protection level to the middle level or low level.
- ② If it doesn't work, please replace a new adapter.

△E4: Low Rotational Speed of Compressor

Please adjust the input voltage and repower it.

△E5: Overheating of Controller Chip

Please power off for 5 minutes and check if the overheating is caused by the bad ventilation around compressor.

Use Suggestions

1. If equipped with a backup battery, you can maintain any temperature you set under any circumstances without worries.
2. When placing ice cream, please adjust the temperature to the lowest; it needs to be powered on for a long time.
3. Prevent the health problems of drinking bottled water caused by high temperature.
4. Frozen food, rare seafood, and vehicle-mounted refrigerators let frozen fresh food accompany the journey.
5. Healthcare products, insulin, and imported drugs need to be refrigerated, and the precise temperature control of onboard refrigerators will escort health along the way.
6. The tea leaves are effectively kept fresh in the car refrigerator, and you can drink fresh and delicious tea anytime during the self-driving tour.
7. The best storage temperature of red wine is 10 °C - 18 °C (50 - 64.4 °F). The

precise temperature control of the car refrigerator can effectively ensure the storage temperature of red wine.

8. The storage time of high-grade fruit in the car at high temperature in summer will not exceed 2 hours. Even if the air conditioner is turned on, the storage time is also shorter. Using a car refrigerator can effectively preserve high-grade fruit.

9. The coating of high-grade sunglasses will fall off under the high temperature in summer. The car refrigerator is an ideal place to place.

10. High-grade cosmetics are easy to deteriorate under high temperature in the car. Carry cosmetics with the car, and the car refrigerator will be your better choice.

Safety Precautions

(1) Ensure that the power voltage connected to the onboard refrigerator is correct at any time

(The parameters are labeled with the approved voltage parameters of the onboard refrigerator).

(2) Do not pour liquid directly into the car refrigerator.

(3) Modifying the refrigerator without permission is forbidden to avoid danger.

(4) This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

(5) Children should be supervised to avoid playing with the appliance.

(6) This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

(7) To avoid a hazard due to the instability of the appliance, it must be fixed under the instructions.

(8) Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

WARNING: This appliance contains flammable foaming agent cyclopentane:

1) Please avoid contact fire when you transport and use it.

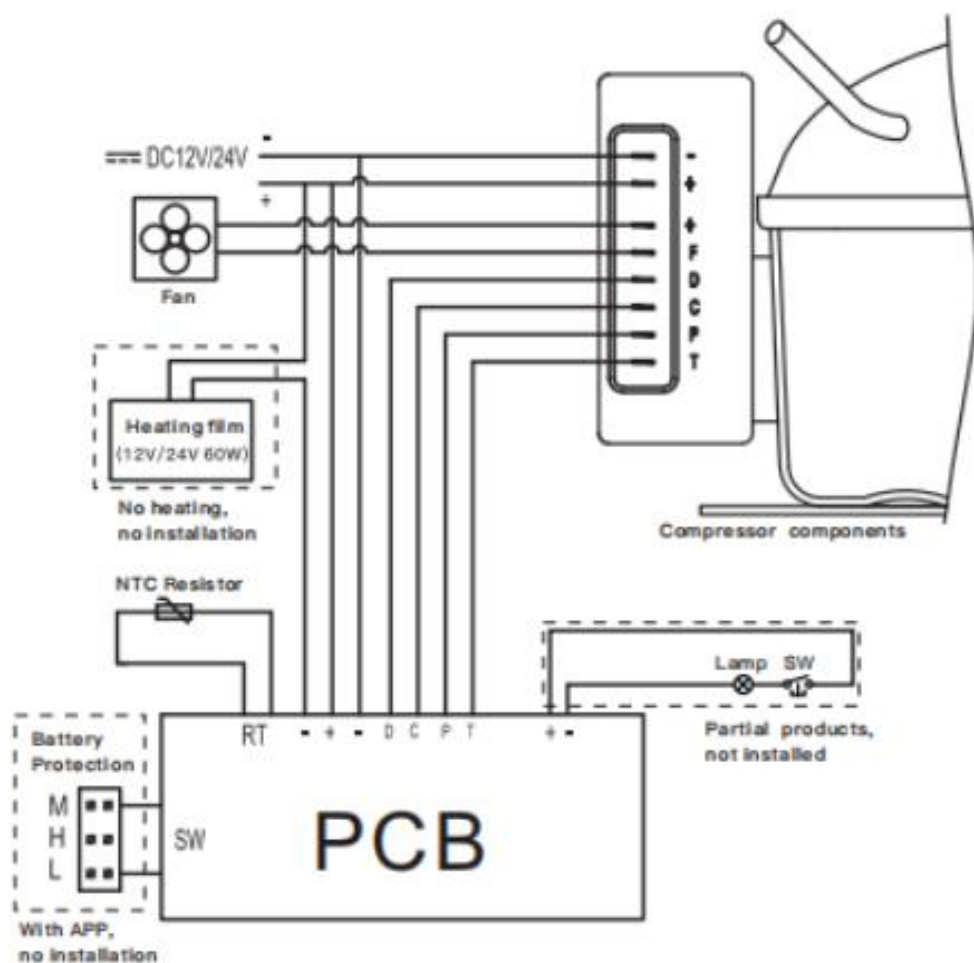
2) Please ask a professional for servicing when the machine breaks down.

3) Please send it to your local appointed disposal station when you discard it.



WARNING: During use, service, and disposal of the appliance, please pay attention to a symbol similar to the left side, which is located on the rear of the appliance (rear panel or compressor) and with yellow or orange color. It's a risk of fire warning symbol. There are flammable materials in refrigerant pipes and compressors. Please be far away fire source during use, service, and disposal.

Electrical Schematic Diagram



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