User Manual

RV AIR CONDITIONER

Before installing and using your TOSOT Air Conditioner,
please read this user manual in its entirety.

MODEL NUMBER

Ceiling Assembly	Roof Top Unit
GRH15DC-A6NNA1A/I	GRH15DC-A6NNA1A/O

Welcome to the TOSOT Direct Family!

We’re extremely happy to welcome you as a new member of our family! Please read the tips below before using your product for the first time.

Tips for First-Time Use

1. The RV air conditioner is a heavy object, which needs two or more people to lift and install. Failure to do so could result in injury or other accidents.
2. Allow the unit to sit upright for at least 3-4 hours before powering on. Shipping carriers may set the unit on its side, which causes the refrigerant to pool in certain areas. Standing the unit upright for 3-4 hours allows the refrigerant to move freely within the coils.
3. Run the unit continuously for 24 hours after installation. This allows the unit to work out any “kinks” that may have resulted during shipping from our factory to your doorstep.
4. Some parts with sharp edges may cause injury, so gloves are highly recommended for unpacking and installing.
5. For a quick start video guide of installation, please contact Customer Support.
6. If you have any problems with your product, please send us an email before submitting a return request, as there might be a simple solution for your issue.

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Safety and Instructions

Your safety and the safety of others are very important to us. Please read the following safety precautions before use and installation. A digital version can be obtained from customer support.

Installation and Setup

- Use the appliance only for its intended purpose as described in this manual.
- Do not use electric cords that have become frayed or otherwise damaged.
- This air conditioner must be properly installed in accordance with the Installation instructions as described in this manual before it is used.
- Please turn off the unit and disconnect all power to the vehicle before cleaning and servicing.
- When refrigerant leaks or requires discharge during installation, maintenance, or disassembly, it should be handled by certified professionals or otherwise in compliance with local laws and regulations.
- The appliance shall be stored in a room without continuously operating ignition sources. (for example open flames, an operating gas appliance, or an operating electric heater.)
- Compliance with national gas regulations shall be observed.
- Should repair be necessary, contact your nearest authorized Service Centre. Any repairs carried out by unqualified personnel may be dangerous.
- Air conditioners covered in this manual are designed for installation on an RV’s roof.
- Installation of this air conditioner must be in accordance with NFPA 1192 and NFPA 70.

Electrical Safety Warning

- All wiring must be complied with local and national electrical codes. All wiring must be installed by qualified electricians. If you have any questions about the instructions, contact a qualified electrician.
- Make sure the power supply is cut off you until finish installing the air conditioner. Otherwise, it may cause an electric shock.
- Check the available power supply and resolve any wiring problems before installing and operating this unit.
- This air conditioner is designed to operate from a 115V AC, 60Hz, 1 Phase power supply.
- Air switch should include magnet buckle and heating buckle function to can protect the circuit from short and overloading.
- An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in the fixed wiring.
- Electrical wiring may be present between roof and ceiling. Be sure that power is disconnected at the mains and battery.

FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

Note:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Refrigerant Information

- This air conditioner utilizes fluoride R-32 refrigerant, which is a next-generation refrigerant that efficiently carries heat and has a lower environmental impact than other refrigerants.
- Compared to other common refrigerants, R32 is a nonpolluting refrigerant with no harm to the ozone layer of the atmosphere. The influence of the greenhouse effect is also lower. R32 has very good thermodynamic features which lead to high energy efficiency. The units, therefore, need less filling and maintenance.
- The refrigerant is flammable and odorless. Furthermore, it can lead to explosions under certain conditions. However, the flammability of the refrigerant is very low and can only be ignited by fire.
- The appliance should be stored in a room without continuously operating ignition sources, for example, open flames, an operating gas appliance, or an operating electric heater.
- Ducts connected to an appliance should not contain an ignition source.
- Keep any required ventilation openings clear of obstructions.
- Do not pierce or burn the appliance or any of its components.
- Be aware that refrigerants may not contain an odor in the presence of a leak.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Servicing shall be performed only as recommended by the manufacturer.



A2L Appliance filled with flammable gas R32.



Before using the appliance, read the owner's manual first.



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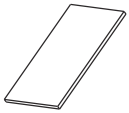
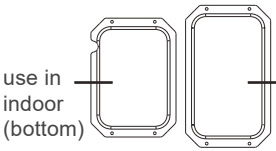
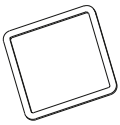
Before using the appliance, read the owner's manual first.

Recommended Operating Environment

- The recommended operating temperature range is 23°F-115°F (-5°C-46°C). (Heating:23°F-75°F (-5°C-24°C) /Cooling:64°F-115°F (18-46°C).
- The outdoor unit may stop operation due to various kinds of protection within the working temperature range.
- Air inlet should be far away from obstacles and not have any objects near the air outlet. Otherwise, it will affect the radiation of the heat-removal pipe.
- Please try your best to keep far away from fluorescent lamp.
- The appliance shall not be installed in laundry areas.

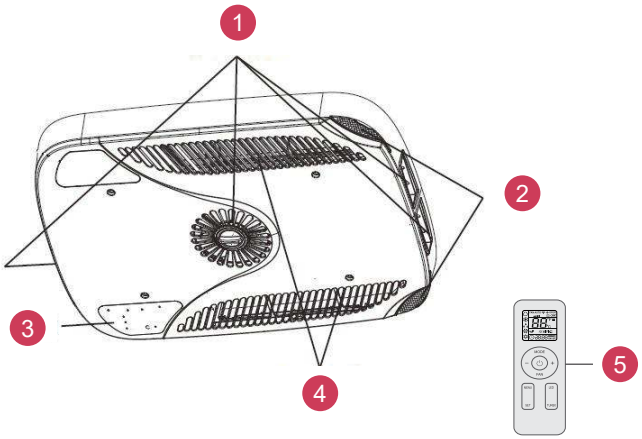
Parts List

PART	LOOKS LIKE	QUANTITY
Fabric duct		2
Tapping screw for duct plate		8

PART	LOOKS LIKE	QUANTITY
Fixing screw for remoter control holder		2
Remote control		1
Remote control holder		1
AAA battery		2
Double-sided tape		1
Screw cap		6
Duct plate		1 set
Bolt for ceiling assembly (5.3 inch)		4
Gasket		1
Sponge (sealing strip)		1

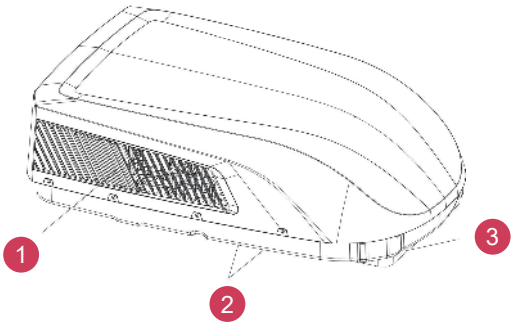
Parts Description

Ceiling Assembly



1 Air Outlet
2 Filter Sub-assy
3 Control Panel
4 Air Inlet
5 Remote Control

Roof Top Unit



1 Air Inlet
2 Drainage Outlet
3 Chassis

Note: This is a universal introduction for a variety of models. The display content may be different from the actual. Please refer to the actual unit.

Installation

Warning

- The air conditioner has been designed for use in recreational vehicles.
- Be careful when testing the unit. Do not operate the unit with the exterior case removed.
- Outdoor unit can't be installed at the low recess of the roof of the vehicle. It must be mounted on the flat surface of the roof to make sure rain, car-washwater, condensated water, etc. can be drained smoothly. No water is allowed to be accumulated around the outdoor unit. Otherwise, it will cause malfunction or safety hazards as the water will pour into the air conditioner.
- There must be 1.2 to 5.32 inches between the RV ceiling and roof.

Required Tools

1. Screwdriver
2. Electric Drill with 1/8” drill bit
3. Bubble Level
4. Pencil
5. Torque Wrench (0-60 in-lbs)
6. Ruler
7. Scissors

Installation

1. Select an Installation Site

- Check the roof of the vehicle to determine whether it can support both the rooftop unit and the ceiling assembly without additional support.
- Choose an area where the installation of an indoor unit will not interfere with existing structures.
- Check the roof of the vehicle to that there must be 1.2 to 5.32 inches between the RV ceiling and roof.
- A vent hole (14-1/4” x 14-1/4”) is needed once the location for your air conditioner has been determined. You may use existing vent holes referring to CASE A below, or you need to cut a new hole referring to CASE B below.

CASE A

If a roof vent is already present in the desired mounting location for the air conditioner, you may follow the steps below:

- Remove all screws which secured the roof vent to the vehicle. Remove the vent and any additional trim. Carefully remove all chalking around the opening area to make the surface clean.
- It may be necessary to seal some of the previous roof vent mounting screw holes which are not covered by the air conditioner chassis gasket.
- Examine the roof opening size. If the opening is smaller than 14-1/4” x 14-1/4”, the opening must be enlarged.

CASE B

If there is no existing roof vent opening, a new opening (14-1/4” x 14-1/4”, see Figure 1) is required to be cut in the vehicle roof and the interior vehicle ceiling.

- Make sure the ceiling opening edge is smooth to avoid snags.
- If the roof is not strong enough to support the machine, a support structure must be placed between the exterior rooftop and interior ceiling. The reinforced framed structure must follow the following guidelines:

1. It must be capable of supporting both the weight of the rooftop air conditioner and the interior ceiling assembly.
2. It must be capable of holding the roof’s outer surface and interior ceiling apart and supporting them so that when the outdoor and indoor unit are bolted together, no collapsing occurs. A referencing support frame is shown in Figure 1. The thickness of the frame should be 3/4” in minimum.

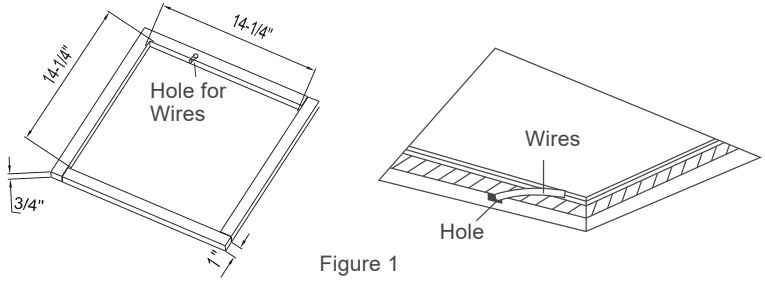
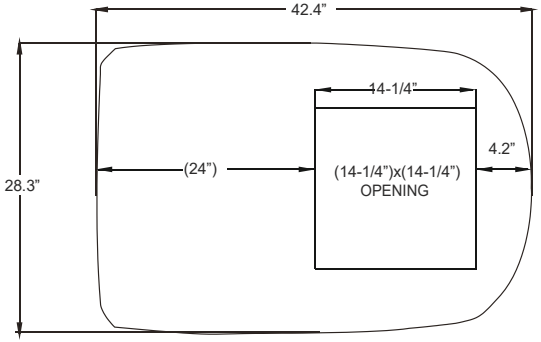


Figure 1

3. A hole through the frame for the power supply wiring is needed. Route the supply wiring (not included) through the frame at the same time the support frame is being installed.

Roof Top Unit Dimension Note



2. Stick Gasket and Sponge

- After the mounting hole area is properly prepared, open the package and remove the carton and shipping pads from around the rooftop air conditioner.
- Carefully lift the outdoor unit with the package on top of the vehicle. Do not use the outer plastic shroud for lifting. Do not lift by the air outlet grille at the back of the outer case (see Figure 2).

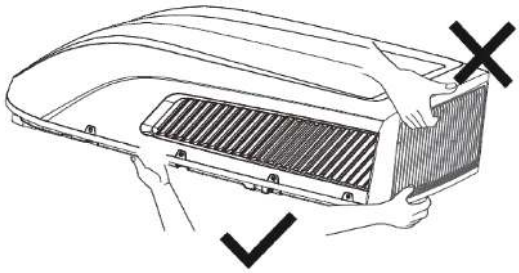


Figure 2

- Take out 1 gasket and 1 sponge (sealing strip).
- Clean up any debris at the sticking position of the chassis (as shown in Figure 3) on the outdoor unit to ensure that the sticking position is clean.

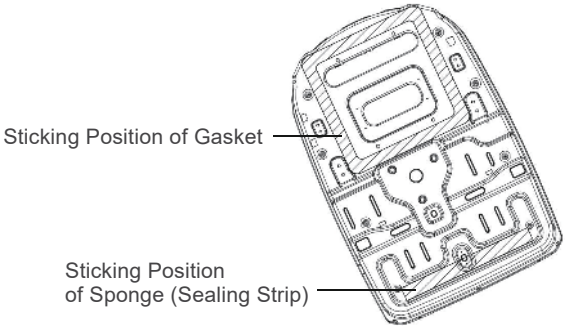


Figure 3

3. Install and mount the Roof Top Unit

- Lift the outdoor unit and then place the outdoor unit in the roof of the vehicle. Do not drag the outdoor unit. Otherwise, the seal may fall off (see Figure 4).

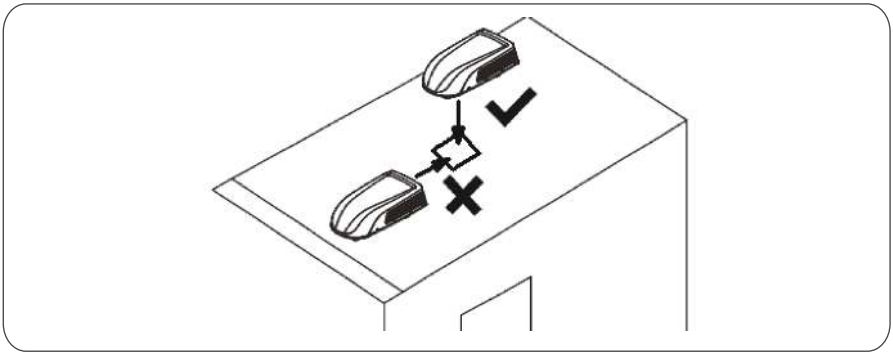


Figure 4

- Center the rooftop air conditioner over the prepared cutting hole, making sure the gasket is attached to the edge of the mounting hole.
- The front section of the outdoor unit of the air conditioner must be in the same direction as the vehicle, which is useful for reducing wind resistance.
- Please make sure the rooftop air conditioner is mounted on a level plane from front to rear and side to side. Figure 5 shows the maximum allowable degrees that the unit can be mounted above or below level.

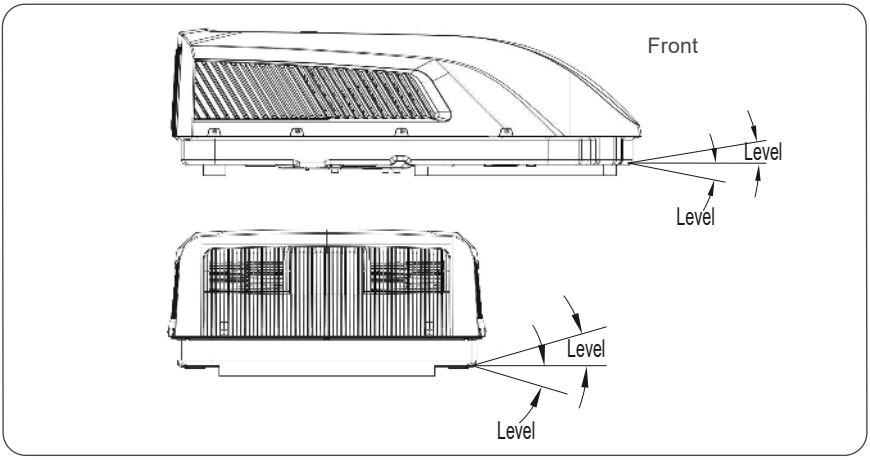


Figure 5

Note: The unit can only operate for a short time at the maximum sloping angle of 5° for preventing water leakage.

- If the roof of the vehicle is sloped (not level) such that the rooftop air conditioner cannot be mounted within the maximum allowable degree specifications, an exterior leveling shim will need to be added to make the unit level. A referencing leveling shim is shown in Figure 6.
- Once the rooftop air conditioner has been leveled, some additional shimming may be required above the interior ceiling assembly. The rooftop air conditioner and the ceiling assembly must be parallel with each other before they are secured together.

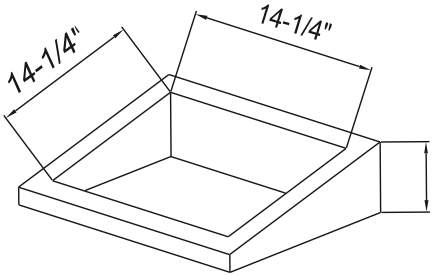


Figure 6

4. Install the Ceiling Assembly

- Carefully take the ceiling assembly out of the carton and remove the ceiling grille.
- Remove the sticker on the fabric duct and assemble it to the flat side of the upper duct plate. Then turn over the duct to make the black side out.

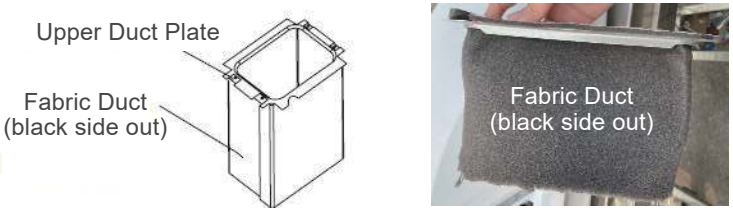


Figure 7

- Fasten the fabric duct (assembled) to the chassis of the rooftop air conditioner with 4 tapping screws by the upper duct plate. See Figure 8.

Warm tips:
please make sure you didn't shorten the length of fabric duct in this step.

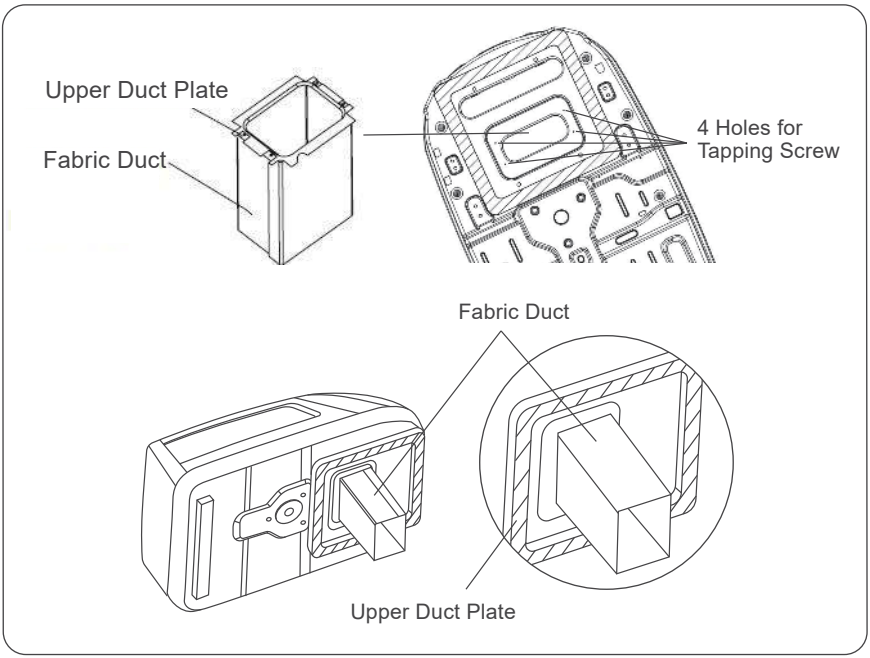


Figure 8

- Before lifting the ceiling assembly, pull the fabric duct so it hangs out of the way and does not get caught under the ceiling assembly frame.
- Check the thickness of your roof. If the roof is 1.2-3.15 inch thick, please use the 5.3" bolts. If the roof is 3.15-5.32 inch thick, please use a 7.5" bolts (not included).
- Set the fabric duct into the duct opening of the frame. Secure the ceiling assembly plate to the rooftop air conditioner with the mounting bolts with maximum torque from 2.3-2.5Nm (see Figure 9). Please start threading the mounting bolts by hand to avoid cross-threading. DO NOT START THE MOUNTING BOLTS WITH AN AIR GUN. The mounting bolts should be tightened until the chassis gasket has been evenly compressed.

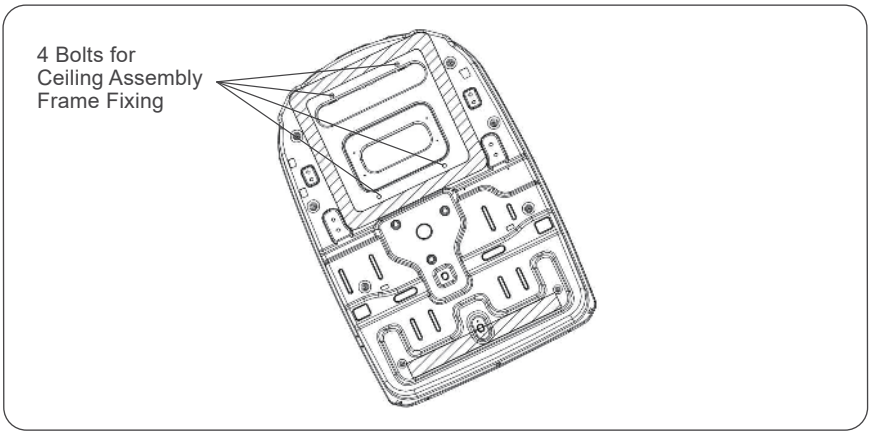


Figure 9

- Secure the bottom duct plate to the ceiling assembly frame with 4 tapping screws (see Figure 10) and fasten each side of the fabric duct. After the securing, there might leave some spare fabric that may extend beyond the edge of the bottom duct plate need to be cut.

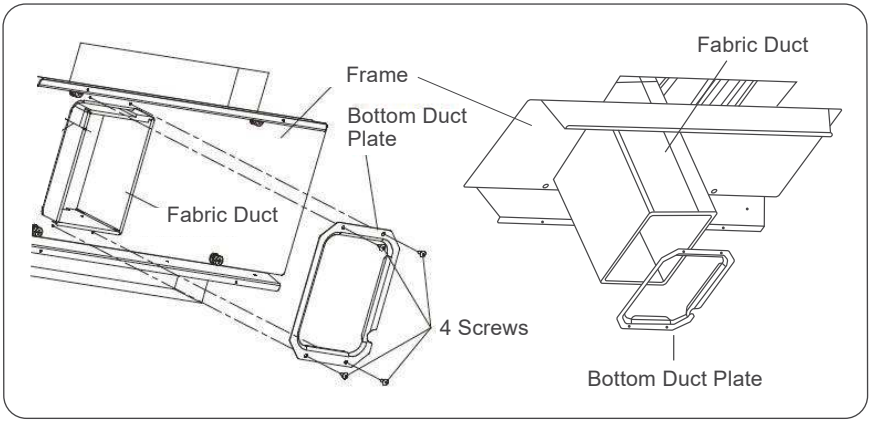


Figure 10

Warm tips:

If the fabric duct is too long to install (original length: 11.8 inches), you could shorten the fabric duct for easier installation. But please make sure it would not be over-cut to be too short to install the bottom duct plate.

5. Electric Wiring

Warning:
Make sure that all power supply to the unit is disconnected before performing any work on the unit to avoid the possibility of shock or injury and damage to the equipment.

After the interior ceiling assembly frame is properly secured to the rooftop air conditioner, you can start on the electrical connections.

- As shown in Figure 11, the outdoor unit has two sets of outgoing wires: the power cord (high current) and the control signal wire. The power cord should be directly connected to the terminal box while the control signal wire should be connected to the control signal wire of the indoor unit.

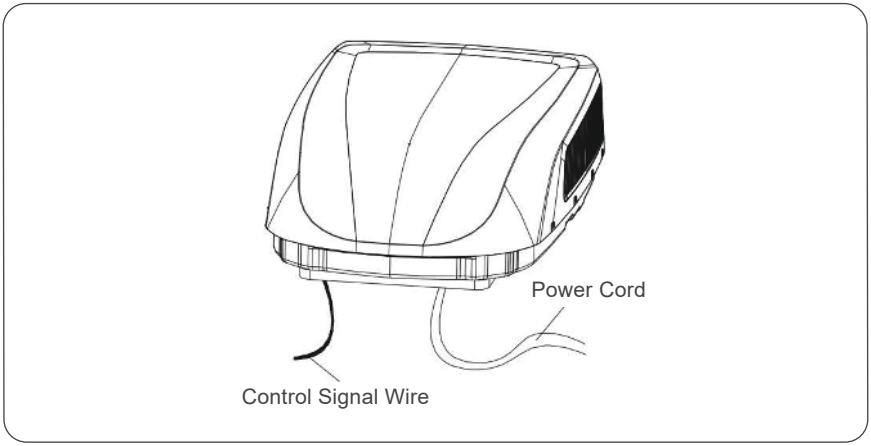


Figure 11

- Use copper wire with ground and supply with a minimum of 14 AWG (not included), for the wiring from the power source to the junction box. Do not attach them at this time.
- Remove the 2 screws of the junction box cover. Take the power cord and push it into the box through the strain relief clamp that is provided (see Figure 12).

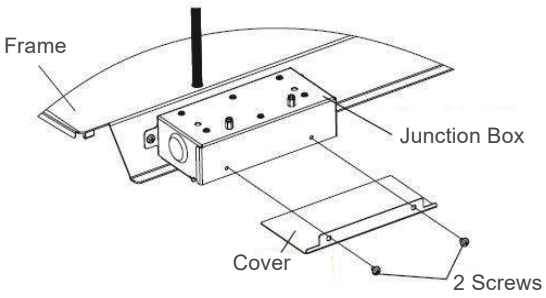
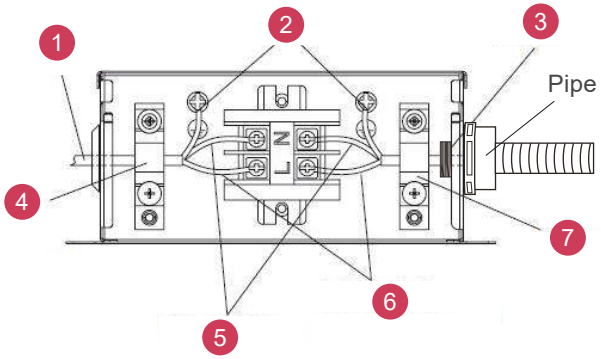


Figure 12

- Connect the power cord to the black, white, and ground wires found in the junction box with a terminal board.

CAUTION: Connect black wire to black wire, white wire to white wire, and the ground wire to earth. (see Figure 13)

Note: When connecting the power cord, please use the pipe for preventing cutting the power wire.



1. Power cord comes from the rooftop unit
2. Ground wire (yellow-green)
3. Power supply wire (not included)
4. Stain relief (clamp)
5. Neutral wire (white)
6. Live wire (black)
7. Stain relief (clamp)

Figure 13

- Tighten the strain relief clamp to secure the supply power cord. Be careful not over tighten.
- Reinstall the junction box cover.
- Connect the connector of indoor and outdoor control signal wire and secure the clamp (see Figure 14).

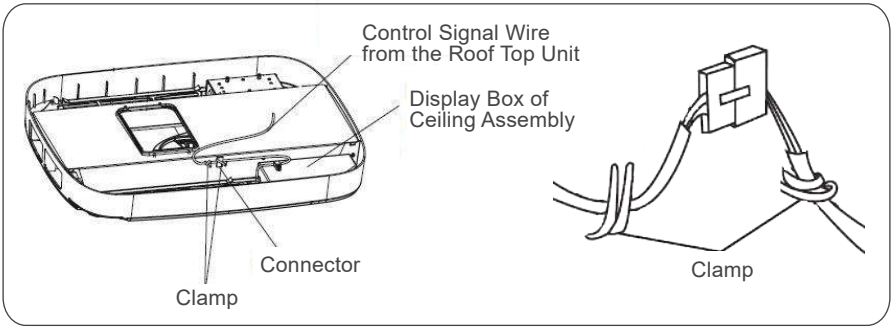


Figure 14

6. Install the Ceiling Assembly Grille

- Make sure the guide louver and the filters are properly positioned in the ceiling grille.
- Secure the ceiling grille to the ceiling assembly frame with 4 screws. (see Figure 15)
- Install screw caps into four screw holes.
- Switch on the power supply and check whether the unit is working or not.

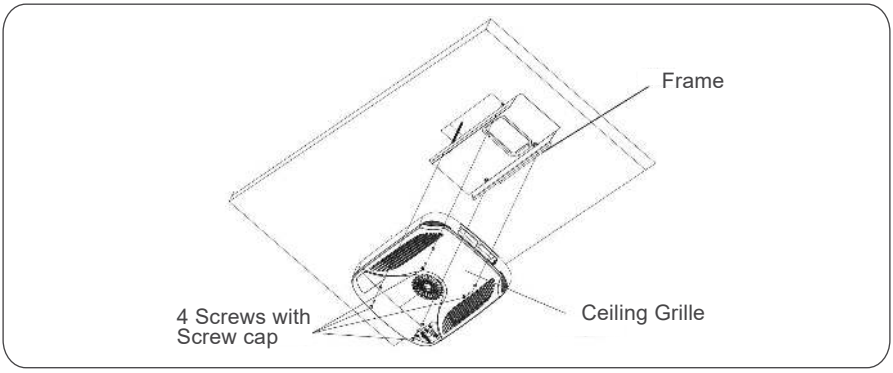
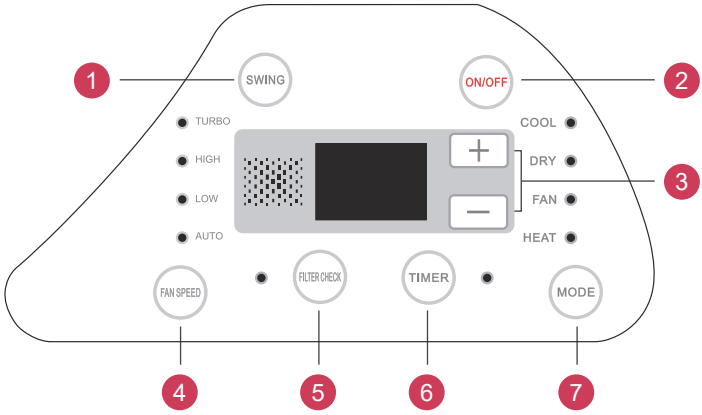


Figure 15

Operation

Control Panel



1 Swing Button
2 ON/OFF Button
3 +/- Button
4 Fan Speed Button
5 Filter Check Button
6 Timer Button
7 Mode Button

1 Swing Button

Press this button to activate the automatic air swing function.

2 ON/OFF Button

Press to power the air conditioner ON or OFF.

3 +/- Button

- Pressing this button will allow you to change the temperature setting.
- After pressing the timer button, the +/- buttons will adjust the timer setting from 0.5-24 hours in 0.5-hour increments. After the 10-hour mark, the +/- button will adjust the timer setting in 1-hour increments. It will take 5 seconds for the timer settings to be confirmed by the machine.

Note: This button is not valid under dry and fan model.

4 Fan Speed Button

Pressing this button will cycle the fan speed through LOW, HIGH, and TURBO.

5 Filter Check Button

After 250 hours of operation the Filter Check button will illuminate to remind you to remove and clean the filter.

When you re-install the air filter and turn on the unit, the light will still be on. Pressing this button will turn off the light.

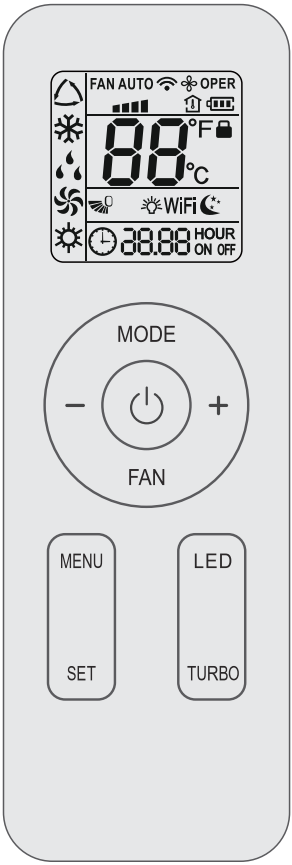
6 Timer Button

- When the unit is running, press this button to schedule when the unit will power off by using the +/- button to adjust the length of time before powering off.
- When the unit is not running, press this button to schedule when the unit will power on by using the +/- button to adjust the length of time before powering on.

7 Mode Button

Pressing this button will cycle through the following modes through COOL, DRY, FAN, and HEAT.

Remote Control



Function icons:

FAN AUTO		Fan Speed Setting
		Send Signal
Operation Mode		Auto Mode
		Cool Mode
		Dry Mode
		Fan Mode
		Heat Mode
		Sleep Mode
		Display Light
		X-FAN Function
		Indoor Ambient Temp
		Clock
		Temperature Setting
	WIFI	WIFI Function
	88:88	Timer Setting
	ONOFF	Timer On/Off
		Up & Down Swing
		Child Lock

Note:

This is a universal remote control for a variety of different models. If your model does not have a function listed on the remote control when you press the corresponding button on the remote controller, the unit will keep the original setting and there will be no changes in the operation of your unit.

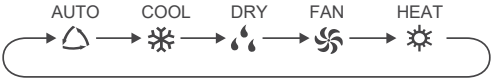
- Once the unit is powered on the air conditioner will give out a sound and the power indicator will light up. After that, you can operate the air conditioner by using the remote control.
- When pressing a button on the remote control, the signal icon on the remote control will blink once and the air conditioner will emit a single beep sound, which means the signal has been sent to the air conditioner. The remote control will display the active function icons.

1 Button

Press this button to turn on the unit. Press this button again to turn off the unit.

2 MODE Button

Press this button to cycle through the following modes:



Auto mode: The air conditioner will operate automatically according to ambient temperature. The set temperature can't be adjusted and will not be displayed. Pressing the “FAN” button can adjust the fan speed.

Cool mode: The air conditioner will operate under standard cooling mode. The set temperature and fan speed can be adjusted.

Dry mode: The air conditioner will run at low speed for dehumidification. The fan speed cannot be adjusted.

Fan mode: The air conditioner will not produce cool or warm air, only blow air from the current room temperature. The fan speed can be adjusted.

Heat mode: The air conditioner operates under heat mode instead of cooling. The set temperature and fan speed can be adjusted.

Note: After starting up the heat mode, the indoor unit will delay 1-5 minutes before it starts blowing air. The actual delay time will depend on the current indoor temperature.

3 FAN Button

Press this button to cycle through the Auto fan mode and 3 fan speeds (Low, High, TURBO)



Note:

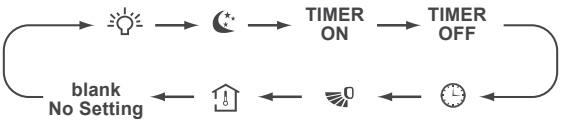
- ▪ indicates low speed, ▪▪ and ▪▪▪ indicate high speed, ▪▪▪▪ indicates turbo speed.
- Under AUTO fan mode, the air conditioner will select the proper fan speed automatically.
- **X-FAN Function:** Hold the fan button for 2 seconds in COOL or DRY mode. When you turn the machine off you will find the fan is running at a low speed and will automatically stop. X-FAN is not available in AUTO, FAN, or HEAT modes. To shut the X-FAN off after powering the unit off, hold the fan button for 2 seconds.

4 +/- Button

- Pressing the “+” or “-” button will increase/decrease the set temperature by 1°F. Holding the button for 2 seconds will cause the temperature to change rapidly. Release the button once your desired temperature is reached. The set temperature range is 61°F - 86°F (16°C - 30°C).
- After pressing the Timer button, each press of the +/- button will increase/decrease the time by 1 minute. Holding the button for 2 seconds will cause the timer to change rapidly. Release the button once your desired time setting has been reached.

5 MENU & SET Button

Press this button to select other functions and then press the “SET” button to set the function status. The functions can be selected circularly as follows:



	Display Light		Sleep Mode
TIMER ON	Timer On	TIMER OFF	Timer Off
	Clock (not available for this mode)		Up & down Swing
	Indoor Ambient Temp		

▷ Display Light Function

Press the MENU button until the light icon " " flashes then press the "SET" button to turn off the display light on the indoor unit. The " " icon on the remote control will disappear. Press the "SET" button again within 5 seconds to turn on the display light.

▷ Sleep Mode

- Press the MENU button until the icon " " flashes then press the "SET" button to turn on the sleep function. The " " icon will display on the remote control.
- Press the "SET" button again within 5 seconds to exit sleep mode.

▷ TIMER ON Function

TIMER ON function can set the time to turn on the unit.

- Press the MENU button until the "ON" icon flashes then press the "SET" button to enter the timer function setting. The " " icon will disappear and the word "ON" on the remote control will blink blinks.
- Use the +/- buttons to adjust the length of the timer before the unit powers on. The timer setting will increase or decrease by 1 minute with each press of the "+" or "-" button. Holding the "+" or "-" button for 2 seconds will change the time rapidly. Press the "SET" button to confirm the timer and the word "ON" will stop blinking.
- Cancel TIMER ON: Press the MENU button until the "ON" icon flashes then press the "SET" button until the flashing "ON" disappears.

▷ TIMER OFF Function

TIMER OFF function can set the time to turn off the unit.

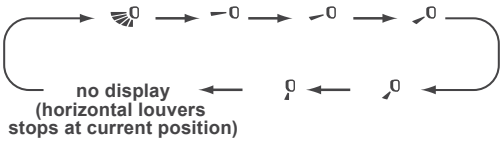
- Press the MENU button until the “OFF” icon flashes then press the “SET” button to enter the timer function setting. The “ ◷ ” icon will disappear and the word “OFF” on the remote control will start blinking .
- Use the +/- buttons to adjust the length of the timer before the unit powers off. The timer setting will increase or decrease by 1 minute with each press of the “+” or “-” button. Holding the “+” or “-” button for 2 seconds will change the time rapidly. Press the “SET” button to confirm the timer and the word “OFF” will stop blinking.
- Cancel TIMER OFF: Press the MENU button until the character “OFF” flashes then press the “SET” button until the flashing “OFF” disappears.

▷ Clock Function

- Press the MENU button until the “ ◷ ” icon flashes then press the “SET” button to enter the clock setting.
- Use the +/- buttons to adjust the clock to match the real time.

▷ Up & Down Swing Function

- Press the MENU button until the icon “  ” flashes then press the “SET” button to select airflow directions.



- When selecting , the horizontal louvers will automatically swing up & down across the maximum range.
- When selecting , , , , , the unit will blow air at a fixed position. The horizontal louvers will not move.

▷ Indoor Ambient Temperature Display Function

- Press the MENU button until the icon “ ” flashes then press the “SET” button to turn on this function. The “ ” icon will display on the remote control. The indoor unit displays the corresponding temperature and then automatically turns to display the set temperature after a few seconds.
- Press the “SET” button again within 5 seconds to turn off this function.

6 LED Button

Not available for this model.

7 TURBO Button

In COOL/HEAT mode, press this button to start QUICK COOL/QUICK HEAT. When in TURBO mode, the “▪▪▪▪” icon will display on the remote control. The unit will run at super-high fan speed to cool/heat quickly so that the ambient temperature approaches the preset temperature as soon as possible.

Combination Buttons

- **Child Lock**

Press the “+” and “-” buttons simultaneously to enter the child lock function. While in this mode, the remote control will display the “ ” icon and will not send any signal to the air conditioner. If you operate the remote controller, the “ ” icon will blink 3 times without sending a signal to the unit.

- **Change Between °F and °C**

With the remote powered off, press the Mode and “-” buttons simultaneously to switch between Fahrenheit and Celsius displays.

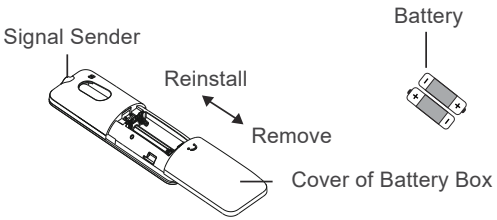
- **WiFi Function**

Press the “MODE” and “TURBO” buttons simultaneously to turn on/off the WiFi function.

When the WiFi function is turned on, the remote control will display the “WiFi” icon.

Long press the “MODE” and “TURBO” buttons simultaneously for 10s to reset WiFi to factory settings.

Replacing the Batteries



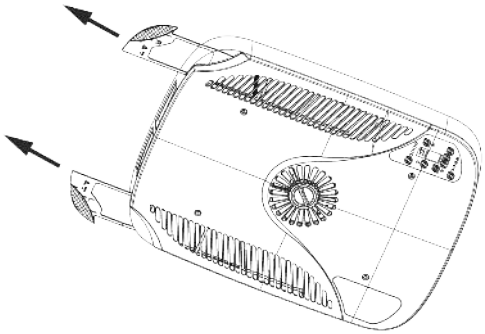
1. Press the back side of the remote control battery cover marked with " ", and slide out following the engraved arrow.
2. Replace with two new AAA(1.5V) batteries of the same make and model. Make sure the polarities (+ & -) are aligned correctly.
3. Reinstall the battery cover box.

Cleaning and Maintenance

Cleaning the filter

1. Remove the filter

Remove the air filters by pulling them as illustrated below.

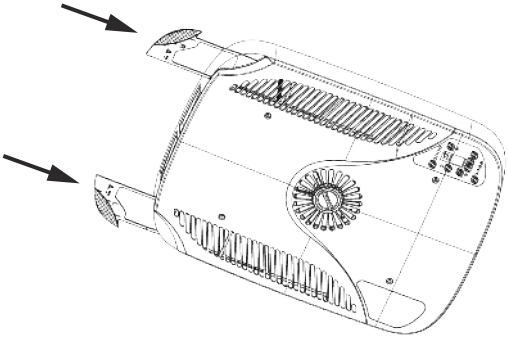


2. Clean the filter

After removing, wash away dust from the air filters with clean water or vacuum the filter with an electric household vacuum cleaner.

3. Reinstall the filter

Make surer the filters are completely dry before reinstalling. Place them back into the AC unit.



Note:

- Clean the filter when the air conditioner FILTER CHECK light is on. More frequent cleaning may be necessary depending on the air quality.
- Do not operate the air conditioner if the air filter is missing.
- Remove the cover and wash the condenser coil twice a year.

Warning

- Don’t touch the capacitor terminals without the electric discharge. The capacitor still may have a high voltage even though the power supply is turned off.
- To prevent water leakage, do not block the filter and the indoor air inlet.

Troubleshooting

You may meet some common issues listed below. We recommend you do a self-check first, but if the problem is not resolved, please contact customer support at *support@tosotdirect.com*.

Issues	Self check	Possible solutions
Air conditioner can't operate	Whether the unit is connected to the power supply correctly?	Check the power supply of the vehicle and make sure it is provided correctly.
Poor cooling (or heating)	Whether the rooftop air conditioner is level?	Mount the rooftop air conditioner as level as possible from front to rear and side to side when the vehicle is parked. Make sure that the mounting of the air conditioner is correct and level.
	Whether the set temperature is proper?	Adjust the temperature.
	Whether the air filter is too dirty?	Clean the air filter.
	Has the unit just been turned on or off?	Allow a sufficient amount of time for the unit to cool/heat the room.
There's an abnormal sound during operation, such as clicking or gurgling	Has the unit just been turned on or off?	The flowing water sound is the refrigerant inside the air conditioner, which is completely normal.
There's water dripping inside the unit	Has the chassis gasket been evenly compressed and tightened?	Mounting bolts should be tightened evenly by compressing the chassis gasket.

Issues	Self check	Possible solutions
Ice or frost appeared on the coils	Whether the temperature is low inside?	Select FAN mode at HIGH fan speed.
	Whether the air filter is too dirty?	Clean the air filter.

- If you notice or experience any of the following conditions, please turn off the air conditioner, disconnect from power, discontinue use, and contact support immediately.

○ Abnormal sound during operation, not mentioned above.

○ A strange odor is emitted from the unit

○ Excessive water leakage from the unit

- Do not attempt to repair or retrofit the air conditioner by yourself. All repairs must be performed by qualified individuals.

Malfunction Codes

Error code	Trouble shooting
E6 / E8	It can be eliminated after restarting the unit. If not, please contact support for help.
PL	Please check whether the voltage is correct. It can be eliminated after restarting the unit. If not, please contact support for help.
F1 / F2 / F3 / F4	Please contact the support for help.

Note: If other error codes appear, please contact our customer support team for help.

Warranty & Customer Support

Warranty Information

1. 2-Years warranty:

TOSOT RV Air Conditioner comes with a 2-years warranty from the date of purchase.
This warranty covers manufacturing and material defects. Please visit ***https://tosotdirect.com/warranty*** for more details.

2. Additional 6-Month warranty extension:

You can get a 6-month warranty extension by registering your new product at ***www.tosotdirect.com/extend***.

Customer Support

Questions? We are here to help

support@tosotdirect.com
www.tosotdirect.com

Share your experience

@tosotdirect

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