Xtreme Outdoors
1519 Boettler Rd. Suite A
Uniontown, OH 44685

1-888-469-8688

Service Bulletin: XTMC—001

Overview:

Air Conditioner is overheating or not producing cold air within 20 degrees of ambient temperatures.

Models:

2022 Micro MAX

Issue:

The 5,000-BTU air conditioner installed in the Micro may not sufficiently cool the unit at higher ambient temperatures. Cooling may not occur at an acceptable rate, or the conditioner may display an E8 error code, indicating an overheated condition.

Correction:

Redirect the exhaust airflow, increase thermal insulation, install an air plenum, and increase the air intake area.

Install Time: 3 hours

VIN Range: Non-sequential range:
7RUTT1612N1000513 — 7RUTT1619N1000833

Date Range: *This is located on the RH side of the VIN sticker. We have included a list of affected VINs.*
February 2022 - March 2022

Please contact us with any questions, concerns or comments:

Corporate Office Sales: 1-888-469-8688

Sales Support: support@goxtoutdoors.com

Warranty & Tech support: 814-701-4891

Warranty Email: warranty@goxtoutdoors.com

Parts Email: parts@goxtoutdoors.com

Technical Support & Parts Phone: 814-701-4884

Technical Support Email: ts@goxtoutdoors.com

Regards,

Xtreme Outdoors Llc.

Tools Needed:

* Oscillating Saw or Jig saw with Metal/Wood cutting blades
* Corded 8-9amp Drill & Impact driver
* Phillips P2 bits and square T2 bits
* 6-1/8” hole saw
* Box cutting knife
* Tape measure & Marker
* Wire strippers
* Linesman pliers
* Caulking Gun
* Flathead Screw Driver
* 2” Metal Scraper

Parts List:

* 6” 240CFM 110V Duct Fan
* Azdel Exhaust Baffle
* (2)4x10 vent covers with insect screens
* 6” insect screen cover with 6” cable clamp
* Unfaced fiberglass insulation
* Work Junction Box
* 120VAC single-gang on/off switch
* 10-ft length of 14GA Romex cable
* 2” HVAC Aluminum Tape
* Exterior RTV Silicone Sealant

We will send dealers a parts package for this repair. We will preapprove up to a $25.00 shop supply charge for the repair of this issue.

Remove the following:

- All cushions
- table system
- slide-out bed slat
- passenger side bench board
- Air conditioner insulated cover.

Store in a safe location to prevent damages.

Disconnect power to the RV before performing these next steps.

Installing the 120V "AC switch"

- Remove the Switch Control Panel to gain access and clear wires from the work area.
- Remove the Red 10" wire connected to the 12VDC AC fan switch, running to Wago connector.
- Leave control panel open to help route and secure wiring.

Installing the 120V "AC switch" Cont.

- Measure 2.5" from the right edge of the radio cabinet and 4.5" from the edge of the vent.
- Position the switch box with the bottom RH corner over the measuring marks. Outline the switch box onto the radio cabinet making sure box is square.

- Locate the installed Romex wire running from the storage area to the convertor.
- Trim the circuit wiring 5-6" away from the LH side of the furnace. Route wiring to switch cut-out in radio cabinet.

Installing the 120V “AC switch” Cont.

- Wire a switch between the existing Romex cable (trimmed) and the newly installed Romex cable.
- Remember to secure Romex cable within 12” of the junction boxes. If wired properly, the exhaust fan will turn on any time the air conditioner is powered on.

Removing the Air Conditioner

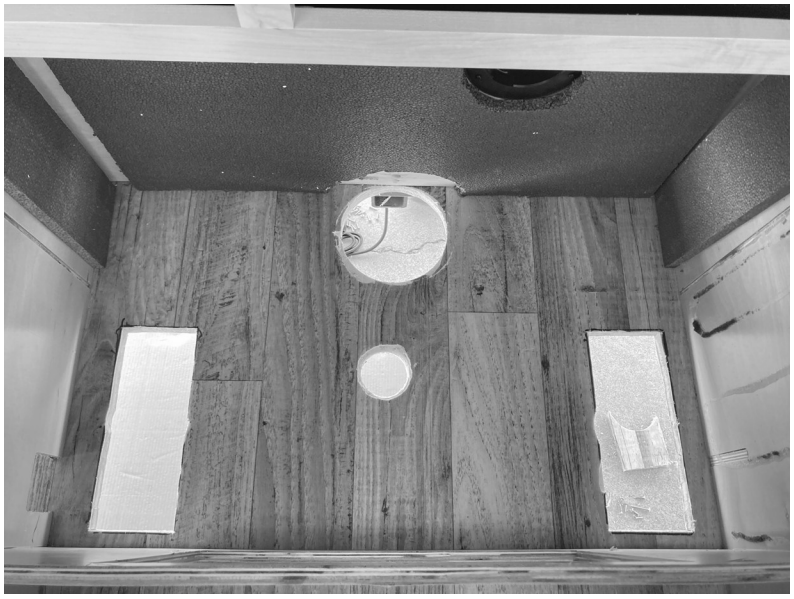
- Remove sound dampening foam pads from the enclosure.
- Remove screws from the backside of the hard-wood AC face frame.
- Remove the sheet metal bracket from the top of the A/C and cabinetry.
- Cut or peel away HVAC tape sealing the back of the A/C to the partition.
- While pushing down on the drip pan, push the air conditioner through AC cut-out and set aside.

Preparing the enclosure for repairs

- Remove the drip pan and AC partition. Partition can be flexed out of the cabi-netry .
- Inspect funnel for damages and leave installed.
- Leave insulation behind the partition installed.

Disconnect and move aside the rubber LP gas from the underbody

Damages can occur if this step is not followed



Enlarge the air intake and exhaust holes

- Remove 3 aluminum soffit vents and hardware, 2 intake and 1 exhaust with a metal scraper.
- Enlarge intake holes to 4x10 rectangular holes.

Installing the new exhaust fan

- Using a 6 -1/8” hole saw, cut the exhaust hole bigger.
- Cut a notch on the LH side of the fan hole to allow the power cord to fit properly.
- Insert duct fan into hole from below feeding the power cord through first. Screw the exhaust fan to the floor.

Installing Fan and Vents

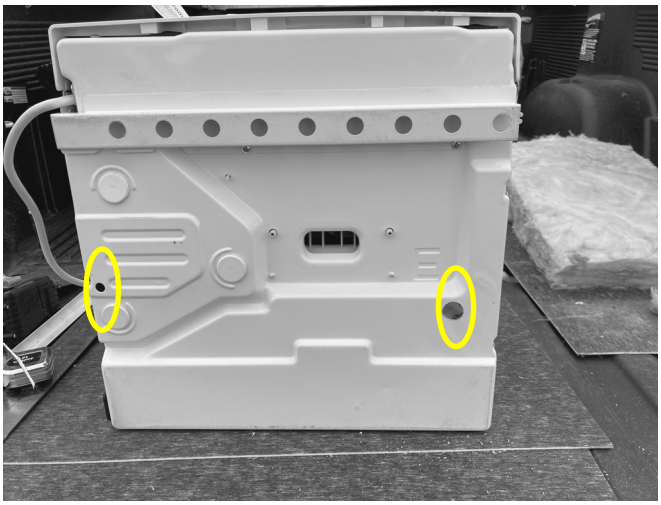
- Apply sealant to the vent's edges before mating to the floor.
- Install 4x10 vent covers from underneath.
- Secure to the floor using 4 - 1" screws.
- Ensure vents and fan are sealed with black RTV silicone sealant .
- Resecure LP gas lines to the floor.

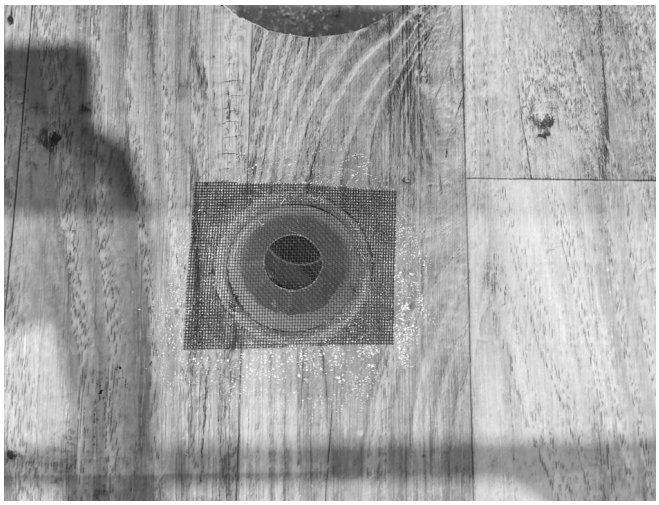
Install Exhaust Baffle and Partition

- Slide the baffle into the exhaust compartment. Loosely set drip pan, baffle, and partition into place to ensure a proper fit. Some baffles may need trimmed to allow proper clearance.
- Secure the baffle to the back wall with (1) 1" wood screw.
- Secure the partition with (4) 3/4" wood screws.
- Tape the edges of the baffle to the partition wall and floor with foil tape.

Installing the Drip Pan

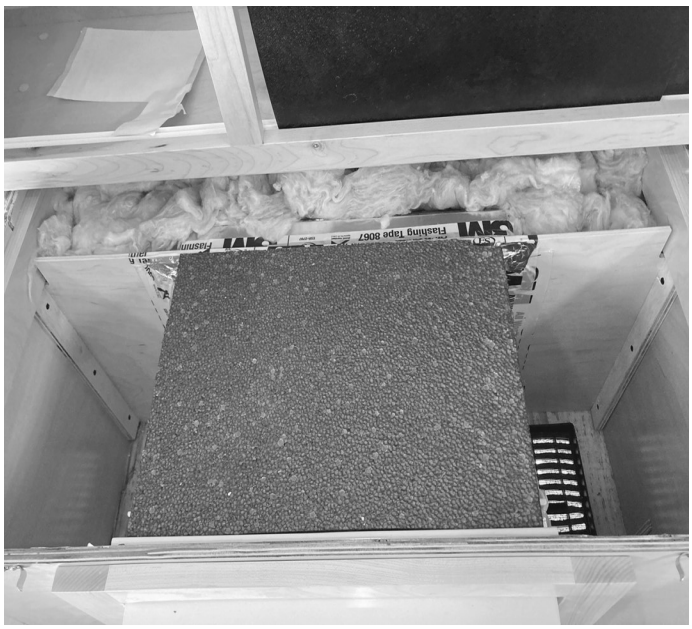
- Drill (2) 1/2” holes in the bottom of the AC to help condensation drainage.
- Using silicone sealant, seal a 5”x 5” piece of small bug screen overtop of the drip pan drain.
- Apply a bead of caulking on top of the screen and install the drip pan in the enclosure creating a seal around the pan to drain surfaces.
- Install AC making sure the pan is still sealed to the floor and pan drain.





Insulating the enclosure

- You will insulate the old exhaust fan duct. It will no longer be used. Power was disconnected from this circuit in early steps on this bulletin.
- Firmly pack fiberglass insulation into the 4” duct opening on the back wall.
- Firmly pack unfaced fiberglass insulation on the top of the exhaust baffle. The insulation should be level with the top of the box.



Reinstalling the Air Conditioner

- Feeding the power cord through first, insert the air conditioner through the cabinet while holding the pan in place.
- Re-install the top sheet metal bracket.
- Re-install the hardwood face frame.
- Air-seal the seam between the air conditioner and the partition wall with HVAC tape.
- Install sound dampening eggshell foam on the enclosure sidewalls.
- Trim 1/2” piece of foam board to fit on top of the AC between the partition and sheet metal bracket.
- Install insulated Azdel AC Cover.

Reinstall Bench Boards, Bed Slat, and Seat Cushions.

Power up the AC and Exhaust fan to begin testing.

Notes for Use in Extreme Hot Weather

- Air conditioners are designed to cool an interior space 20-30 degrees Fahrenheit less than ambient air temperatures. Unfortunately, this means that sustained temperatures above 100 degrees may render the interior uncomfortable regardless of performance. High humidity will further decrease performance.
- To maximize the cooling performance of your air conditioner, park out of the sun, use your window shades/reflectors, and keep your roof clean. Otherwise, your air conditioner may not be able to cool the RV faster than the sun is heating it up!
- If possible, turn on your air conditioner before the outside reaches peak temperature. It's much easier for an air conditioner to maintain rather than cool down!
- When entering a hot RV, open your sidewall windows and run your roof fan for a few minutes before turning on your air conditioner. It can reach temperatures upwards of 140 degrees inside an RV parked in full sun! It's critical to exhaust the superheated air before turning on your air conditioner.
- Hot air rises; cold air drops. To improve the cold air distribution within your RV, consider running a small fan to draw air upwards. This is especially useful if you are leaving the Micro rear dinette as a converted dinette.

Before attempting to cool down an extreme temperature cabin, open windows and the run ceiling fan if installed.

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7RUTT1611N1000518
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7RUTT161XN1000520
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