



# RAM AIR GEAR DRYERS USER MANUAL

TG-4H, TG-6H, AND TG-8H



Thank you for purchasing a Ram Air Gear Dryer.  
PLEASE READ AND SAVE THESE INSTRUCTIONS.

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Additional printed copies of this manual or electronic version of this manual can be obtained by contacting Ram Air Gear Dryer at 888-393-3379 or [info@ramairgeardryer.com](mailto:info@ramairgeardryer.com).

**QUESTIONS? CONTACT US.**

888-393-3379 | [www.ramairgeardryer.com](http://www.ramairgeardryer.com)



**WARNING!** To help reduce the risk of electric shock, fire, or other personal or property injury when using your dryer, please exercise care and follow basic safety precautions, including the following:

1. Read all instructions before installing or using this dryer/heater.
2. Extreme caution is necessary when used by or near children or invalids and whenever the dryer/heater is left operating and unattended.
3. Do not operate dryer after it malfunctions. Unplug from outlet and have dryer/heater inspected by an authorized service facility.
4. Do not use outdoors.
5. To disconnect power, press Start/Stop button and unplug dryer/heater from the outlet.
6. Use this dryer/heater only as described in this manual. Any other use not recommended by the manufacturer.
7. **WARNING:** Risk of fire. Do not use in a residential or household locations.
8. **WARNING:** Hazardous Voltage, Electrical shock hazard. This unit is to be serviced by trained personnel only.
9. **WARNING:** Unplug the appliance from the power supply before servicing.
10. **WARNING:** To reduce the risk of fire or electrical shock, do not use this appliance with a solid-state speed control device.
11. Do not operate the blower when not properly secured on the pipe.
12. To reduce the risk of injury, disconnect from power supply before servicing.
13. Do not operate fan with a damaged cord or plug. Return to an authorized service facility for examination and/or repair.
14. Do not cover cord with any type of floor covering including carpeting, rugs or runners. Do not run cord under furniture or appliance. Keep cord away from traffic areas or where it may be a tripping hazard.
15. To reduce the risk of electrical shock, do not expose to water or rain.
16. Do not use an extension cord.
17. Do not unplug by pulling on cord. Grasp plug and remove from receptacle or outlet device.
18. Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
19. If connected to a circuit protected by fuses use time delay fuses with this appliance.
20. Use a dedicated outlet and breaker for this appliance.
21. Rotating blades. Keep hands and feet away from unguarded openings.
22. **WARNING:** to reduce the risk of fire, do not store or use gasoline or other flammable vapors and liquids in the vicinity of the dryer/heater.
23. Ensure garments are secure and will not fall off dryer/heater. Damage may result to articles falling off dryer/heater.
24. To reduce the risk of fire, electrical shock, or injury to persons, do not tamper with this device.
25. Do not disassemble or modify the dryer/heater or controls.
26. Do not use any power cord other than that provided with this dryer/heater. Do not touch the power cord with a wet hand. Ensure that the power plug is easily accessible.
27. Do not climb or allow children to climb on dryer/heater.
28. Unplug this apparatus during lightning storms or when unused for long periods of time.
29. Operate dryer indoors, in a warm, clean, dry, humidity controlled environment.

30. Do not operate dryer in a location where UV damage may occur.
31. Wear hearing protection while working in the vicinity of an operating dryer/heater.
32. If an object gets inside the dryer, or if the enclosure becomes damaged, unplug the power supply cord immediately. Contact an authorized service center for an evaluation.
33. When servicing or replacing a component that requires the disconnection of a safety device, the safety device is to be reinstalled as previously installed.
30. Do not exceed 40 degrees Celsius, or 105 degrees Fahrenheit. Do not tamper with dryer/heater temperature range setting.

**QUESTIONS? CONTACT US.**

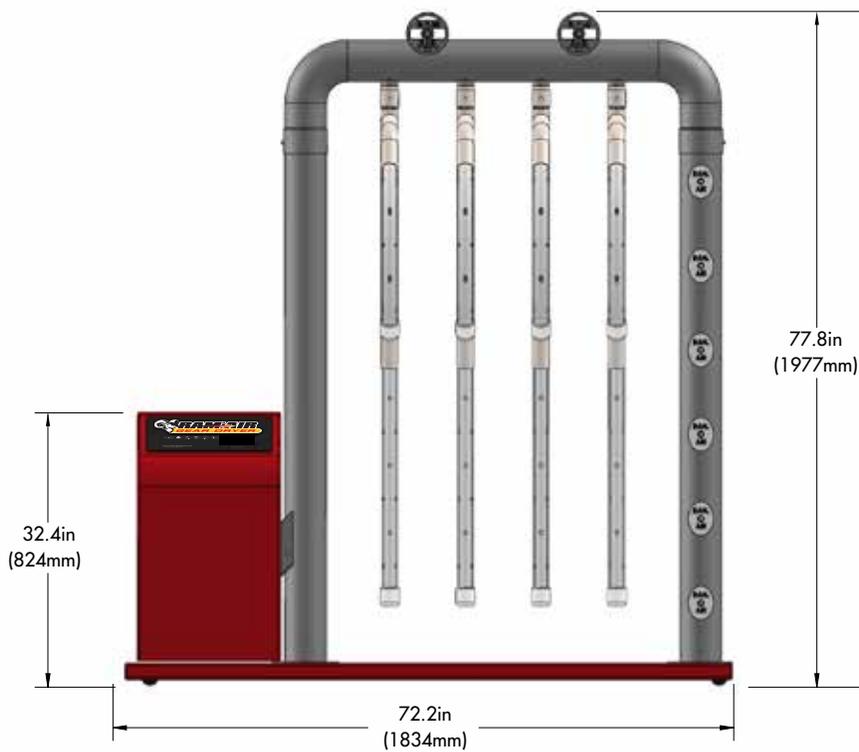
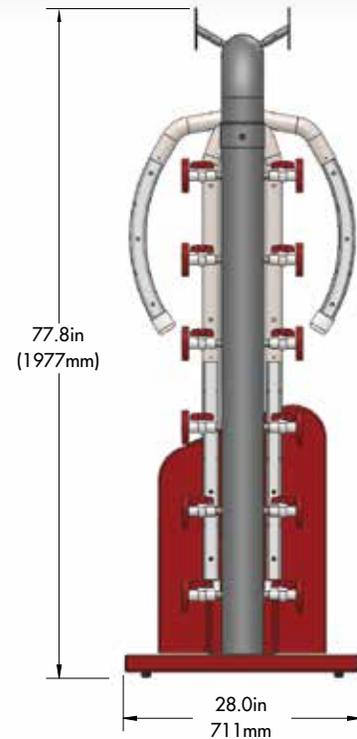
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# 2

## TECHNICAL SPECIFICATIONS

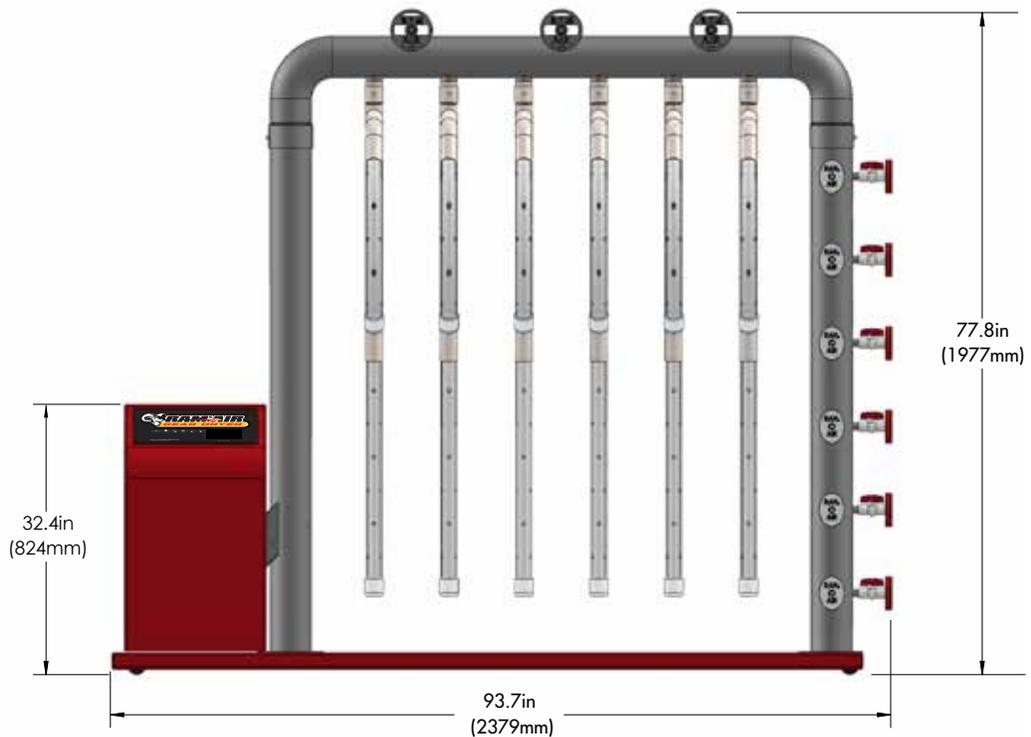
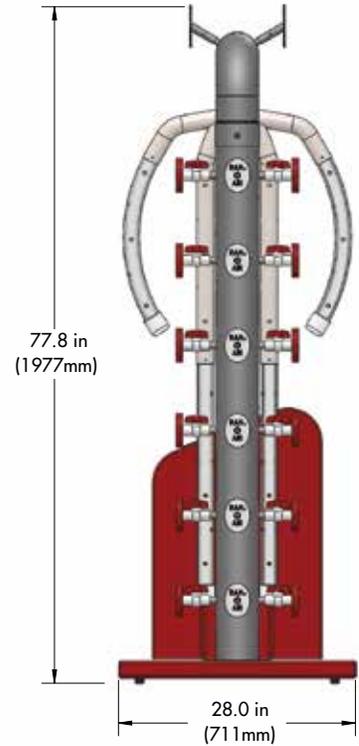
	TG-4H
Max Number of Gear Sets	4
Number of Accessory Drying Ports	12
Machine Dimensions (WxDxH)	72.2 x 28 x 77.8 in (1834 x 711 x 1977 mm)
Machine Weight	311 lbs (141 kg)
Construction Material	stainless steel/12 gauge steel/powder coated paint
Caster Type	360° swivel
Motor Power	1 HP
Motor Speed	3450 rpm
Air Flow	800 cfm
Available Voltages (Volts/Hertz/Phase)	240/60/1
Breaker Size Required	20 Amp
Fan Diameter	10-5/8 inch (270 mm)
Fan Wheel Bore	5/8 inch (16 mm)
Max Temperature	103° F
Control Type	Touchscreen

Specifications subject to change without notice. Please visit [www.ramairgeardryer.com](http://www.ramairgeardryer.com) or contact Ram Air for most current specifications.



	TG-6H
Max Number of Gear Sets	6
Number of Accessory Drying Ports	18
Machine Dimensions (WxDxH)	93.7 x 28 x 77.8 in (2379 x 711 x 1977 mm)
Machine Weight	372 lbs (168.7 kg)
Construction Material	stainless steel/12 gauge steel/powder coated paint
Caster Type	360° swivel
Motor Power	1 HP
Motor Speed	3450 rpm
Air Flow	800 cfm
Available Voltages (Volts/Hertz/Phase)	240/60/1
Breaker Size Required	30 Amp
Fan Diameter	10-5/8 inch (270 mm)
Fan Wheel Bore	5/8 inch (16 mm)
Max Temperature	103° F
Control Type	Touchscreen

Specifications subject to change without notice. Please visit [www.ramairgeardryer.com](http://www.ramairgeardryer.com) or contact Ram Air for most current specifications.

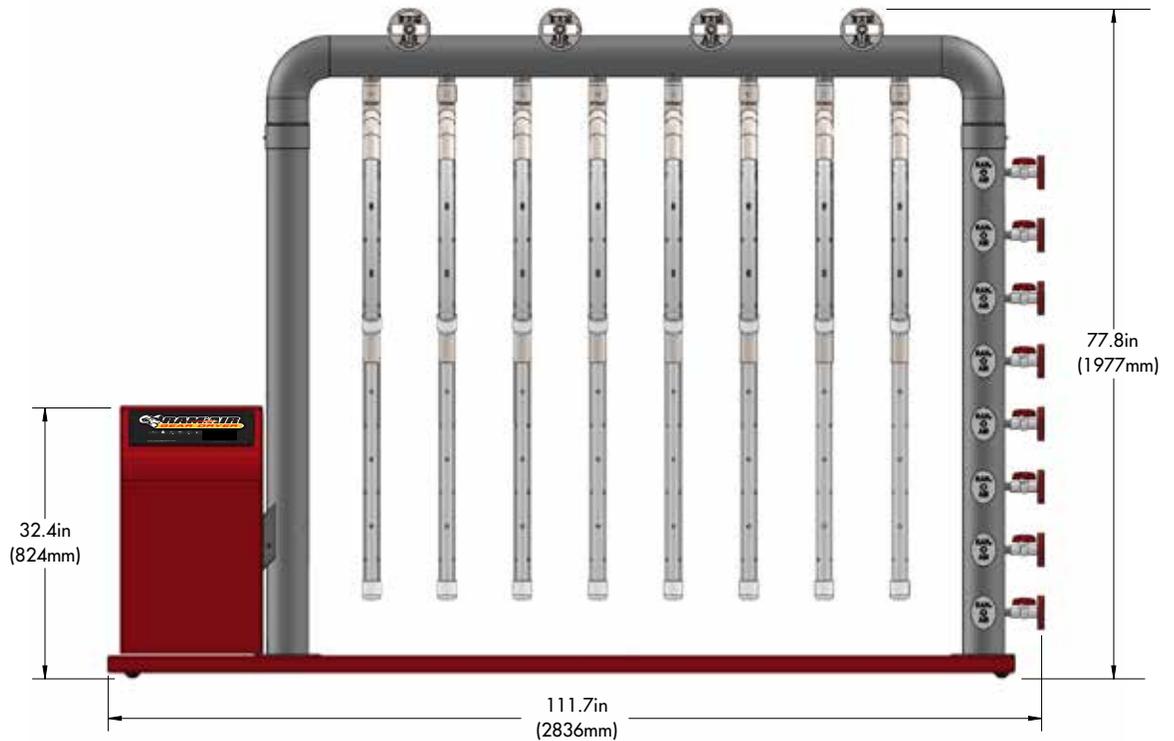
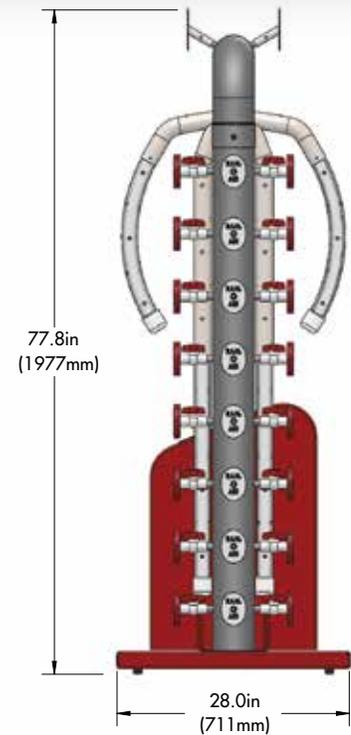


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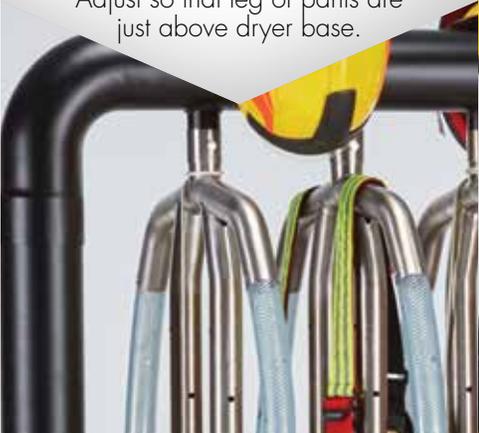
	TG-8H
Max Number of Gear Sets	8
Number of Accessory Drying Ports	24
Machine Dimensions (WxDxH)	111.7 x 28 x 77.8 in (2836 x 711 x 1977 mm)
Machine Weight	441 lbs (200 kg)
Construction Material	stainless steel/12 gauge steel/powder coated paint
Caster Type	360° swivel
Motor Power	1 HP
Motor Speed	3450 rpm
Air Flow	800 cfm
Available Voltages (Volts/Hertz/Phase)	240/60/1
Breaker Size Required	30 Amp
Fan Diameter	10-5/8 inch (270 mm)
Fan Wheel Bore	5/8 inch (16 mm)
Max Temperature	103° F
Control Type	Touchscreen

Specifications subject to change without notice. Please visit [www.ramairgeardryer.com](http://www.ramairgeardryer.com) or contact Ram Air for most current specifications.



**STEP ONE****for gear with built-in suspenders**

Place clean, wet gear pants onto stickmen using gear suspenders. Adjust so that leg of pants are just above dryer base.

**STEP ONE****for gear without built-in suspenders**

Use temporary suspenders to hang pants as shown. Wrap cord around stickmen neck until leg of pants are just above dryer base.

**STEP TWO**

Place clean, wet gear jackets onto stickmen. Fasten all jacket closures.

Note: Hang inside liner and outer shell separate for optimum drying times.

**STEP THREE**

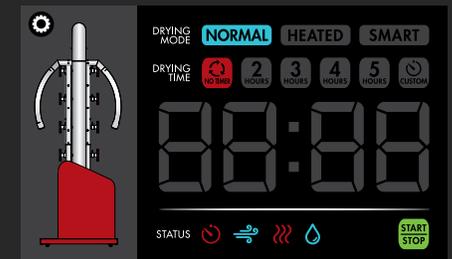
If drying boots, place boots on the dryer base under stickman and insert a stickman leg into each boot.

**STEP FOUR**

Load accessory drying ports with gloves, face masks, balaclavas. Close all valves not in use. Load helmets onto helmet holders.

**STEP FIVE**

Tap to wake touchscreen control and select desired drying mode—Normal or Heated

**STEP SIX**

Select desired dry time using the timer presets and press start.

**STEP SEVEN**

Monitor drying progress—checking hard-to-dry areas (armpits, fingertips, etc.). Adjust dry time until gear is fully dry.

**STEP EIGHT**

Remove dried items and shut down the dryer.

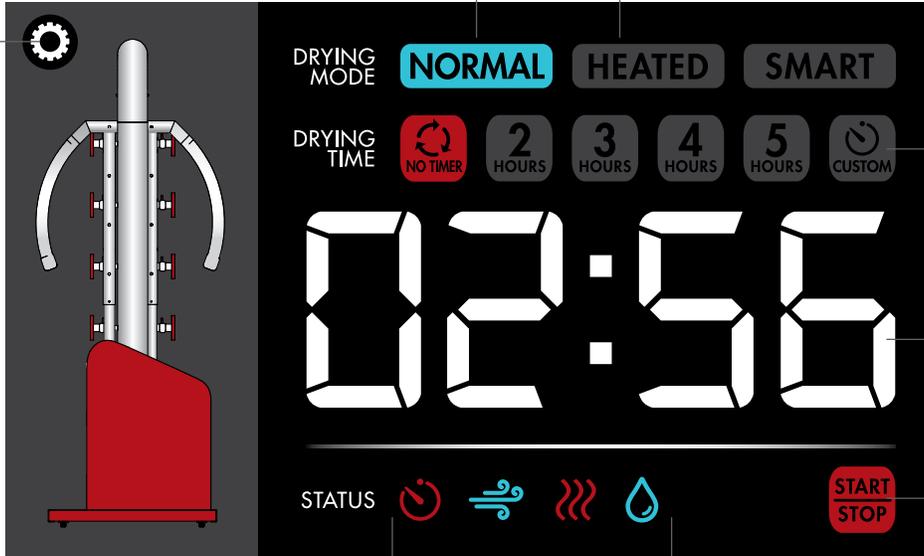


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## TOUCHSCREEN CONTROL

### SETTINGS

Select for temperature settings, custom timer, machine information and operation instructions.



### DRYING MODE

Select NORMAL for ambient air drying. Select HEATED for drying with heat (only available on TG-4H, TG-6H and TG-8H models).

### DRYING TIME

Select NO TIMER for continuous drying, 2-, 3-, 4-, or 5-hour presets, or CUSTOM to set your own time.

### TIME REMAINING

Shows time remaining in current selected cycle.

### START/STOP BUTTON

Shows time remaining in current selected cycle.

### STATUS

Icons are brightly lit when status of timer, blower, heat and moisture sensing are activated.

For detailed instructions on using the touchscreen control please visit [ramairgeardryer.com/support](http://ramairgeardryer.com/support).



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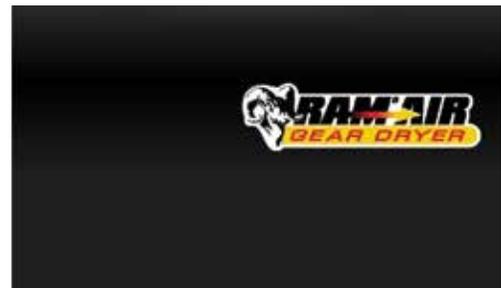
## TROUBLESHOOTING

Please follow the steps below to troubleshoot your Ram Air Gear Dryer if it is not operating as expected:

1. Make sure the unit's power cable or plug is not broken and that it is properly plugged into a power outlet and turned on.
2. Make sure the power outlet is not tripped due to overload or overheating.
3. About one minute after the dryer starts up, look at the LCD panel.

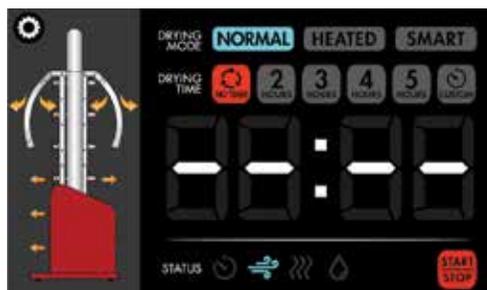


The panel should be displaying the dryer's graphic user interface (GUI) for operation as show above.



Note: If the unit is sitting idle for some time, the screen may show a screensaver with a floating Ram Air logo as shown above. Touching the LCD Panel brings the GUI back.

4. If there is no GUI displayed and the screen is totally blank, turn off all the lights in the room to see if the LCD backlight is still on. If the LCD backlight is on but no display can be seen, contact your vendor to verify your dryer's operating system. If LCD is totally dark with no backlight at all, contact your vendor to obtain a replacement LCD panel.
5. If the LCD panel is working properly, select **NORMAL** mode, then select  and press  to start the dryer.



If you hear a confirmation beep but the blower doesn't start up, listen to see if you can hear a clicking sound from the blower relay. Press the  several times to test this.

**If you hear a clicking sound** but the blower does not turn on, check for the safety fuse of the blower fan motor. If the fuse is blown, replace it with a new similar rating fuse. If the fuse is good, then the fan motor itself may be faulty. Contact your vendor for a motor replacement.

**If you do not hear a clicking sound**, then the power controller board may be faulty. Contact your vendor to replace the controller board.

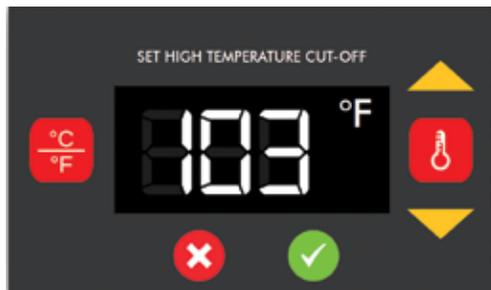
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6. If the blower starts up in NORMAL mode, but not in HEATED mode, make sure the temperature sensor is not damaged. On the main display, press the  and then select the .



On the temperature settings screen press the  to toggle the display reading between the cut-off set point and the actual temperature reading of the sensor.



Press the  once to show the current temperature sensor reading. The temperature reading is indicated by a thermometer icon next to the reading. If it shows a temperature value as illustrated above, then the thermostat is working properly.

If it instead shows dashes [---] as shown above, then the temperature sensor may be damaged, disconnected or short. In that case, contact your vendor to replace/fix the broken sensor.

7. If the temperature sensor is working properly but the blower still does not start up in HEATED mode, make sure the high-temperature cut-off set point is high enough.

NOTE: If it is set to a lower temperature and the temperature sensor reaches the set point, blower will not start up until the temperature falls below the cut-off set point. This is a safety feature. In this case try to adjust the set point to a lower temperature value (default is 103°F) or use NORMAL mode.

8. If everything above is good and the dryer is still not operating as expected, contact your vendor for a more detailed inspection and to replace or fix any faulty parts.





**WARNING!** To reduce the risk of fire, electric shock or injury, always unplug or disconnect the dryer from the power supply before servicing.

## CLEANING YOUR DRYER

1. Before cleaning, disconnect power to the dryer/heater by pressing Start/Stop button and unplugging the dryer from outlet.
2. If the dryer gets dirty, wipe it with a soft, dry cloth.
3. If the surface is particularly dirty, after cleaning up the dust, soak a soft, lint-free cloth in diluted, mild liquid dish soap (1 part mild liquid dish soap diluted by 100 times the amount of water), and then wring the cloth to remove excess liquid. Use this cloth to wipe the surface of the dryer, then wipe it evenly with a dry cloth of the same type until the surface is dry.
4. Wipe plug with a dry cloth.
5. Do not spray or soak dryer with water.

**NOTE:** Bearings are prelubricated. No further lubrication necessary.



**WARNING!** To reduce the risk of fire, electric shock or injury, always unplug or disconnect the dryer from the power supply before servicing.

## FUSE RESET

1. For ease of installation, it is best to have two people to reset fuses—one person to hold the touchscreen and a second person to reset the breaker.
2. Ensure the Ram Air Gear Dryer is powered off.
3. Grasp plug and remove from the receptacle or other outlet device. Do not unplug by pulling on cord.
4. The fuses for your Ram Air Gear Dryer are located behind the touch screen control. To remove this screen, use a screwdriver to remove the screws.
5. The breaker has three positions: ON, OFF and a CENTER position (tripped). Ensure breaker is in the ON position. Reset the breaker by moving it to the full OFF position and then back to ON. If the breaker re-trips please call your authorized representative.



7. Close the touch screen and re-install the screws. When re-installing the touch screen ensure you don't pinch wires. Ensure rubber gasket is properly installed.



By purchasing a Ram'd Air Gear Dryer product, you have chosen a level of quality that meets Ram'd Air Gear Dryer's high standards. As a sign of our confidence in this quality, Ram'd Air Gear Dryers warrants the end user of this product, an industry-leading warranty as defined below.

**5-YEAR WARRANTY – MOTORS, FANS, ELECTRONICS**

**1-YEAR WARRANTY – MATERIAL DEFECTS**

Ram'd Air Gear Dryer warrants the following warranties to the end user for the products identified in the Products section below, provided they are used for their intended purpose, under normal operating conditions.

1. Ram'd Air Gear Dryer warrants the product to be free from material defects for a period of one (1) year from date of purchase.
2. Ram'd Air Gear Dryer warrants the motors, fans and electronics forming part of the product for a period of five (5) years from the date of purchase.

In the event of mechanical failure of the products or its components, Ram'd Air Gear Dryer shall, at its option, either provide replacement parts as are reasonably necessary for the product to resume its intended function, or may replace the product.

**EXCLUSIONS**

The warranty does not apply to any labor or other costs of installing or replacing the parts. The warranty shall remain for the time period stated above and there shall be no further warranty despite the provision of parts or replacement of the product during that period. There shall be no other warranties whatsoever, whether oral, written, express, implied or statutory. The warranty is limited to use within Canada or the United States of America only and Ram'd Air Gear Dryer provides no warranty whatsoever for any use outside of Canada or the United States. The warranty is void if the product is used under extreme conditions, or altered in any way and/or used for any purposes not otherwise intended or advertised by Ram'd Air Gear Dryer for the products intended use.

**TO OBTAIN SERVICE**

To obtain warranty service, you must inform the authorized seller/dealer of the product of the alleged defect in writing. If that seller/dealer no longer exists, you may contact Ram'd Air Gear Dryer directly by calling 888-393-3379. The original sales receipt (as evidence of the date of the purchase) must be included with any warranty claim.

**QUESTIONS? CONTACT US.**

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**WE PROMISE TO PROVIDE THE BEST, MOST STRUCTURALLY SUPERIOR GEAR DRYERS AVAILABLE...**

A firefighter-owned company, Ram Air provides a full range of dryers made exclusively for drying personal protective equipment including bunker gear, immersion/hazmat suits, helmets, gloves, boots, face masks and SCBAs. Our patented dryers are designed to dry gear quickly—getting firefighters back to action fast. NFPA compliant, Ram Air Gear Dryers are built with the highest quality components. We strive to set standards beyond any other competitor's products. Our goal is to provide unmatched customer service and quality products that ensure gear is in top operating condition—ultimately preserving the safety of firefighters and those they serve.

*Ram Air Gear Dryers are built to dry and built to last!*

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