



RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

CAUTION - READ THIS BEFORE OPERATING HEATER

WARNING: Follow all instructions and all warnings to avoid fire, serious injury or death.

FOR OUTDOOR USE ONLY. Do not operate propane fueled product indoors, in confined areas, near flammable materials, liquids or vapors, near any gas powered products or near exhaust, fumes, fire or smoke.

DANGER - CARBON MONOXIDE HAZARD. Operating this item in an enclosed space can kill you. Never use heater indoors or in an enclosed space such as camper, boat, tent, RV, car or home. This appliance can produce carbon monoxide which has no odor and can kill you. Use only outdoors in well ventilated area. Do not operate heater near any gas powered products including vehicles, generators, gas engines, RVs or near other propane fueled products or any product that produces fumes exhaust or smoke. Exhaust or fumes from any gas powered product can kill you.

DANGER - This system consumes air. Do NOT obstruct the flow of combustion or ventilation of air.

Propane cylinder must be in a vertical position and safely positioned and anchored to firm flat ground when heating. Do not connect to remote gas supply.

This heater gets very hot but no flame is visible. Keep combustible materials at least 15 ft (5 M) from heater.

Heater and output air hose gets hot during use. Allow system to cool completely before handling, repositioning, storing or transport.

FOR YOUR SAFETY, if you smell gas, DO NOT attempt to light heater and extinguish any open flame. Disconnect X-40 from fuel source. Always attach and detach regulator to propane tank outdoors away from flames, other ignition sources & only when heater is cool.

FOR YOUR SAFETY do not store or use gasoline or other flammable liquids or flammable vapors in the vicinity of this or any other appliance.

ALWAYS KEEP HEATER OUTSIDE WHEN HEATING. KEEP BLOWER AND AIR HOSE CLEAR FROM VEHICLE, GENERATOR, GAS POWERED PRODUCT, CAMP FIRE, SMOKE, VAPOR, EXHAUST OR FUMES.

Air must be flowing from output air hose before igniting propane burner. Air must always be flowing from output air hose when propane heater is on.

If air flow stops or suddenly decreases, turn propane burner off until proper air flow resumes.

Do not use system indoors. Operating this item in an enclosed space can kill you. Never use this appliance indoors or in an enclosed space such as a camper, tent, car, boat or home. This appliance can produce carbon monoxide which has no odor and can kill you. Use only outdoors in well ventilated area at least 15 ft (5M) clear from flammable materials, and completely clear of flammable liquids or vapors when igniting & operating.

Air hoses must be completely and tightly secured to collars on X-40 Vent.

Inspect the X-40 internal heating tubes and flanged ends before each use.

Do not place any items on or near heater. Keep children and pets clear when operating. Do not leave system unattended when operating. Allow heater to cool before handling, transporting and storing.

This system uses a high performance heater. When heater is turned all the way up, you may notice hot spots on heater housing or flames near top of system. If flames exit exhaust holes at top of heater, turn down propane valve. Housing color may darken with use but will usually return after system has cooled. Note: Discoloration is not covered by warranty.

Do not obstruct or restrict the flow of air for combustion.

NEVER OPERATE HEATER WHILE SLEEPING.

Adjust propane valve to adjust heat output. If too hot, turn down gas valve. If not hot enough, turn propane valve up or recycle air by placing both air hoses inside tent. Changes take about 1 minute. DO NOT PLACE X-40 HEATER IN TENT.

For best performance, shield system from wind and use full propane tanks stored at room temperature. High altitude, cold or low propane will result in decreased performance. For best performance, keep air hoses as straight as possible. In cold areas, recycle air by placing free end of both air hoses inside tent. Keep heater outside in well ventilated area.

Turn off gas valve on propane tank and disconnect regulator from propane tank between uses. Remove propane cylinder from system before and during transport and storage. Do not store propane indoors.

The fan and air hoses are limited life items and will require replacement with extended use. Fans and air hoses are not covered under warranty. For best performance, always use fully charged 12 Volt batteries and full propane tanks. Replacement fans and air hoses can be found at your nearest camping retailer or at www.zodi.com.

Improper use can result in injury or death. Zodi Outback Gear is not responsible for improper use.

Zodi Hot Tap X-40 Vent Tent Heater
Max Rating: <40,000 btu/hr
Gas Type: Propane
Model: 5148
Patent Pending
Parts: www.zodi.com

Zodi
PO Box 4687
Park City, UT 84060

Assembled and Made in USA
Designed in Park City, UT USA

Instruction Manual



5148 - X-40 Hot Vent Tent Heater with Push Button Ignition

Read Directions Before Operating Follow Directions at all Times

FOR YOUR SAFETY

- If you smell gas:
 1. Do not attempt to light the appliance.
 2. Extinguish any open flame.
 3. Disconnect from fuel supply.

FOR YOUR SAFETY

Do not store or use gasoline or other liquids with flammable vapors in the vicinity of this or any other appliance.

DANGER CARBON MONOXIDE HAZARD

Operating this item in an enclosed space can kill you. Never use this appliance indoors or in an enclosed space such as a camper, tent, car or home.

DANGER CARBON MONOXIDE HAZARD

This appliance can produce carbon monoxide which has no odor and can kill you. Use only outdoors in well ventilated area clear of any fuel powered products.

Other Zodi products for all your outdoor adventures!!

ZODI X-40 SHOWER

Enjoy hot showers anywhere with the Zodi Outfitter Series Portable HOT Shower!



ZODI I HUT

Enjoy privacy anywhere with this self supporting hut. Almost 4 feet wide per side!



ZODI HOT TAP HP

Portable hot shower are easy with the Zodi Hot Tap HP. Easy to use & great for all seasons!



ZODI SHOWER POLE

Enjoy hands free showering. Adjustable height. Works with all Zodi showers and Huts.



DIRECTIONS - FOLLOW THESE DIRECTIONS AT ALL TIMES.

Read, understand and follow the instructions printed in this instruction manual, printed on the product, and on propane tank before operating this product. Failure to comply with all instructions can result in serious bodily injury, death and/or property loss. CARBON MONOXIDE HAZARD - Operating this item in an enclosed space can kill you. Never use this appliance indoors or in an enclosed space such as a camper, tent, car, boat or home. Zodi assumes no responsibility for improper use. These directions may refer to options not included on your model. Keep children and pets away from product when operating. Operate outdoors in well ventilated areas clear of any exhaust or fumes.

CAUTION DO NOT OPERATE INDOORS. FOR OUTDOOR USE ONLY!
Air must be flowing through air tubes before igniting and whenever heater is on.



This package contains:

- X-40 Hot Vent
- 12 volt fan with battery clips
- high temp flexible air hoses (2)
- multi-purpose storage bag
- instruction manual
- warranty card



STEP 6

When ready to turn on heater, connect battery clips to battery. Red to positive (+) and Black to negative (-) terminal on 12-Volt power source. Air will be flowing from output air hose.

AIR MUST ALWAYS BE FLOWING FROM FREE END OF OUTPUT AIR HOSE WHEN HEATER IS ON!



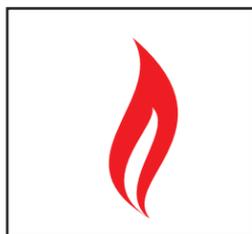
STEP 7

AIR MUST BE FLOWING BEFORE PROCEEDING. Turn gas on propane tank to ON/Open position. On front of the X-40 Vent, push in propane valve and turn DOWNWARD to the ON position while pushing in and holding the ignition button for 5 seconds.



STEP 8

System should ignite instantly. Once system is ignited, release ignition button. Check for ignition by feeling for heat rising from the top of the X-40 Vent. If system fails to ignite, shut off propane valve and wait one minute. Repeat Step 7.



STEP 9

If the push button fails to ignite replace AA battery or insert match or lighter flame in manual ignition hole on the back side of heater then slowly OPEN gas valve.

SHUT DOWN

Turn propane valve on front of X-40 Vent "OFF" then turn "OFF" propane tank gas valve. Allow fan to continue blowing air for 2 minutes before turning "OFF" fan. Turn fan off by removing clips from 12 V power source. Allow X-40 Vent to cool completely. Remove regulator from propane tank before handling, storing or transport.

NOTES: INSULATE TENT - The X-40 Vent is designed to heat your tent when outside air temperature is between 30° to 60°. Below 30° propane loses performance and the total area of the tent walls may disperse hot air away faster than the X-40 Vent can supply hot air. In cold areas, add an extra layer of insulation to your tent, such as securing a blanket or a plastic tarp on the outside of tent. Also, cover any screens in the tent roof with towels, etc. Keep heater outside of tent and tarp. Do not put tarp above heater.



STEP 1

Select flat ground, outdoors in well-ventilated area 15 ft (5 M) clear of vehicles, exhaust & flammable materials. Extend all 4 support legs by depressing button in leg/bracket and rotate legs downward until secure and locked.



STEP 2

Leave propane valve in off position. Check that propane valve on X-40 Vent is in "OFF" position. Securely connect propane regulator to propane tank. Before using system, check for leaks (see next page). Securely position propane tank in an upright position a safe distance away from heater.



STEP 3

Attach both air hoses to collars on each side of X-40 Vent by compressing each air hose end to form an oval shape. Slide air hose completely over X-40 Vent Collar. Extend air hose so each air hose is about 3 to 4 ft. X-40 Vent should remain at least 3 ft from tent.



STEP 4

Place free end of air hose inside tent. For best performance wrap X-40 Vent air hose with a small towel where air hose enters tent. Towel will protect zipper & keep cold air from entering tent. Position air hose away from heat sensitive items & fabrics. Keep air hose as straight as possible.



STEP 5

Place input air hose with fan away from all vehicle exhaust and fumes. Elevate fan and output air hose off ground. Also, air hose end with fan can be placed inside tent to recirculate air. Do not obstruct the flow of air near bottom or top of heater. Keep clear of rotating fan when fan is on!

Tips for Best Performance

WARNING - SYSTEM GETS HOT DURING USE: Allow system to cool before handling. Do not place any items on or near heater. Keep children & pets clear of heater when operating. Operate only outdoors in well ventilated areas clear of any flammable vapors & material and any exhaust or fumes. For best performance, shield system from wind and use full propane tanks stored at room temperature.

DO NOT USE SYSTEM INDOORS: The X-40 Vent, like all propane devices, generate deadly, odorless, carbon monoxide fumes when operating. The X-40 Vent is designed for outdoor use only. Do NOT operate the X-40 Vent inside boats, RVs, tents, homes or other confined areas. Use only outdoors in well ventilated areas away from flammable materials, vapors, fumes or exhaust. Only the end(s) of the flexible air hose(s) should enter the tent. **Do not operate unattended. X-40 Vent is designed for temporary heating only. Do not sleep with X-40 Vent operating.**

BEFORE EACH USE: Prior to each use, completely inspect your X-40 Vent internal heating tubes and heating tube flanged ends for damage. Do not use your X-40 Vent if the heating tubes are damaged.

CONNECTING PROPANE: This product uses propane gas. Propane gas can explode, burn and is a fire hazard. Propane gas is heavier than air and can accumulate in low areas. Never store propane indoors or near any heat source, near any open flames, near any pilot light, in direct sun light, near any ignition source or where temperatures exceed 120°F. Dispose of empty gas cylinders in a safe and responsible manner. Always attach & detach gas cylinder outdoors away from flames, other ignition sources & only when heater is cool to touch. If propane cylinder has a protective cap, remove protective cap. Check that propane cylinder and fittings are clean and free of dirt and debris. Turn off propane gas valve, connect X-40 gas regulator to the propane tank until connection is tight. Do NOT overtighten. Check for leaks at connection of regulator to tank with soapy water (see below).

TESTING FOR GAS LEAKS: To ensure safety, test for propane leaks before using X-40 Vent. Never use flame to check for leaks. With propane valve turned completely off and propane connected to X-40 Vent, apply soapy water (1 part liquid detergent to 3 parts water) around area where the gas valve connects to the propane. Bubbles near propane connection indicate leaks. If bubbles are present, ensure the propane connection is not crossthreaded. Check that propane cylinder connection is tight. Repeat process (test for leaks) until no leaks are present. If leaks persist, do not use product, but contact Zodi.

WINDY CONDITIONS: The X-40 Vent is designed to be operated in calm conditions with wind less than 5 mph. In windy conditions the burner flame will be extinguished. If flame is extinguished, immediately turn propane burner off. X-40 is NOT intended to be operated during sleeping periods.

INPUT TUBE UP-WIND: Always keep the input air hose and fan away from vehicle exhaust, generators and other sources of carbon monoxide or any fueled exhaust. **Only the ends of the air hoses** should enter tent. **Heater must always be securely positioned outdoors when heating.**

ADJUST OUTPUT AIR TEMPERATURE: Adjust air temperature with gas control knob located on front of X-40 Vent near bottom of panel. If air is too hot, reduce gas flow using propane valve. If air is not hot enough, increase gas flow using propane valve on front of X-40 Vent or recycle air.

RECYCLE AIR: To recycle air, place both input and output air hose ends inside tent (KEEP X-40 HOT VENT OUTSIDE). Keep output air hose away from heat sensitive items and fabrics. Keep clear of fan when fan is on. BTU output varies and may reach up to 40,000 BTU dependent upon altitude, atmospheric conditions, outside temperature, and propane level and temperature. Cold and empty propane tanks decrease performance. Also, fully charged batteries and different 12 Volt power sources may result in higher flows of air, causing lower output air temperatures. For best performance, use a full propane tank stored at room temperature. High altitude can result in lower output air temperatures. Do not use in wind.

FLEXIBLE AIR HOSES: The air hoses are flexible for storage and convenience. For best performance minimize bends in air hoses when heating by keeping air hoses as straight as possible. If longer air hoses are needed, always use Zodi supplied air hoses. Heating performance will drop with longer air hoses. The output air hose and X-40 Vent get very hot when in use and may cause damage to certain materials. For best performance, wrap the output air hose with a small towel or sock where air hose enters tent. The towel will protect the zipper and will also keep cold air from entering the tent around air hose. USE CAUTION WHEN REPOSITIONING AIR HOSES OR HEATER. Keep heater and air hoses clear of temperature sensitive materials including tent floors, sleeping bags or clothing. Zodi is not responsible for damage. Air hoses must be completely attached to metal sleeves on X-40 Vent whenever heater is operating. After prolonged use, the air hose ends may harden and may need trimming before next use. Do NOT use plastic or third party air hoses. Flexible air hoses should be replaced with each season. See www.zodi.com for replacement air hoses. Attach flexible air hoses to heater and turn ON fan by connecting to 12 Volt power source. You should NOT be able to feel any air blowing from sealed heating area, only from the end of the air tube (air will be cold because heater is OFF.) If fan does not operate, confirm battery clips are connect to battery properly (red to (+) and black to (-) or try new 12 Volt power source.

REMOVING PROPANE FROM UNIT: Only attach or detach gas cylinder outdoors, away from flames and ignition sources, after the heater has cooled completely. To remove propane from your shower, untwist propane regulator on X-40 from valve on propane tank until fully removed. Replace protective cap on propane tank. Store propane outdoors. Read manufacturer's directions on propane cylinder for other warnings.

CLEANING RECOMMENDATIONS: Clean outside of housing and flexible air hoses using a soft damp cloth and only when completely cool. Never submerge heater in water. Check tubes before each use.

STORAGE: Disconnect propane cylinder from heater before and during transport or storage. For added protection, wrap heater in towel before storing in storage bag. Store heater in storage bag to prevent dust and insects from clogging burner during storage. Damaged and torn storage bags and fans are not covered by warranty. Always store propane outdoors - see propane warnings.

Warranty Disclaimer: Due to the harsh conditions product may be exposed to, there is no warranty on electronic components including electronic ignition and fan. Never modify, alter or use with any part or device not approved by Zodi.

If you experience a challenge with your Zodi X-40 Vent Heater

PLEASE DO NOT return product to the store.

PLEASE Call 800-589-2849 or e-mail help@zodi.com