Troubleshooting

- If your Heat-troller™ does not operate, check all connections for tightness and wires for proper routing and connection. Also, check the fuse on the battery harness. If one LED is Yellow and the other is not on then the connection to power is reversed.
- The Heat-troller is filled with potting and water-resistant, but water that gets inside may cause it to fail.
- If you have a permanently mounted unit and the LED stays on or flashes dimly even though the unit is turned off, you may need to clean the board that holds the switch. Sometimes this board may get full of road grime and soap to the point that if it gets wet there is enough resistance between the solder points of the wire going to the Heat-troller box that a connection is made. Solution is to use Radio Shack® Color Tuner Cleaner and a toothbrush and clean the solder side of the board really well. Then cover the solder points with either dielectric grease or fingernail polish.
- If your unit fails, contact us directly to help diagnose the problem before attempting to replace the Heat-troller with a new one. Replacing the Heat-troller without addressing why the first one died could lead to the replacement also failing.

Please check our website at www.warmnsafe.com for more help with troubleshooting.

Warranty Information

If this unit fails due to faulty parts, design or manufacturing within 3 YEARS of your purchase we WILL replace or fix it.

All warranties will be voided IF the following guidelines are not followed:
-Do not cut any of the wires!
-Only use the battery harness, cigarette plug adapter, or BMW® power port adapter provided to power your Heat-troller! Attempting to use a home-made BMW® or cigarette plug adapter will void the warranty.
-The Heat-troller should be installed in accordance with the enclosed instructions. We are not responsible for units damaged by incorrect installation, improper use or shorts in the clothing made by others.

CONTACT INFORMATION:

For all warranty replacement units, contact us directly by sending an e-mail to exchange.refunds@warmnsafe.com. If e-mail is not available, call 1-702-357-8664.

The Dual Heat-troller™

The original Solid State DC Power Controller

IMPORTANT!

This Heat-troller has been equipped with a resettable cutoff for your protection, which will cause the unit to stop working if there is a short in the clothing or wires. Just turn off the Heat-troller, repair the problem, and then turn the Heat-troller back on.

Power Requirements
CAUTION

It is possible to overload your vehicle's charging system by adding too many electrical accessories. If your combined accessories use more electrical current than your vehicle's charging system can produce, the consumption can discharge the battery leading to electric system damage. Ask your dealer for advice about the amount of current consumed by additional electrical accessories. The Dual Heat-troller is designed to be used by one person and will handle a combined total of 15 amps.

Features

- Electronic, solid state board gives full range of heat, efficiently designed with minimal power loss.
- Flashing LEDs provide visual feedback that the unit is turned on. Red and Yellow when working correctly; Yellow and nothing if reversed polarity. Slow blink shows low heat to solid light showing
. full heat.
- Sealed switches with tactile on/off and 300° rotation.
- Resettable cutoff if overloaded due to a short in the clothing or too much draw.
- Battery harness made of automotive grade wire that is resistant to oil, acid, water and grime. Automotive style in-line fuse.
- Will handle 15 amps at 13.8 volts.
- Permanently mounted units feature switches and LEDs on a separatable circuit board to facilitate mounting.
- Plug compatible with most DC heated products. Adapters available for other style plugs.

To see other tips and tricks for mounting and using the Heat-troller, visit our website at www.warmnsafe.com

Installing Your Battery Harness

WARNING!

Failure to install positive ring terminal with fuse to positive (+) battery terminal could result in electrical damage to the Heat-troller.

1) Hook the positive ring terminal of the Heat-Troller battery harness to the battery as follows:
   a) Attach the positive ring terminal from the battery harness to the positive terminal on the battery. The positive ring terminal can be distinguished from the negative by the fact that it contains a fuse.
   b) Reattach the bolt to the battery and tighten.

2) Hook the negative ring terminal of the Heat-Troller battery harness to the battery as follows:
   a) Attach the negative ring terminal from the battery harness to the negative terminal on the battery. The negative ring terminal can be distinguished from the positive by the fact that it does NOT contain a fuse.
   b) Reattach the bolt to the battery and tighten.

3) Secure the wire harness with cable straps. Be certain the wire harness and all cords are not pinched. The connecting plug should be easily accessible but clear of all moving parts.

Installing Your Portable Heat-troller™

1) Turn the knob of the Heat-troller to the "off" position. Attach the plug of the Heat-troller marked "power in" to the connecting plug on the battery harness.

2) Attach the plug marked "power out" directly to the garment. Turn the knob on, and the LED should begin to blink. When the light stays on without blinking, it is on full power.

3) Remember - the plug marked "power in" always goes to the power source; the one marked "power out" always goes to the garment. If the Heat-troller is not plugged in correctly, it will not work correctly.

This is a template for drilling the holes for the mounted Heat-trollers. Please use it as a guide only. You may have to adjust the hole size.

Installing Your Permanently Mounted Heat-troller

1) Turn knob on Heat-troller to off position and make sure it is unplugged from power.
2) Determine where the switch and LED should be mounted on your vehicle. The LED should be placed in your line of sight and not hidden behind the knob. Then cover the switch board solder points with either dielectric grease or thick fingernail polish or spray urethane.
3) (Template for mounting holes at bottom left.) Drill a hole through the mounting surface for the switch using a 1/4 inch drill bit. We recommend a Unibit #1 drill bit.
4) If the mounting surface is too thick for the threads of the switch, an adapter piece (included) may be needed. The collar of the nut fits into a 3/8-inch hole through the fairing and will screw to the shaft of the switch, holding it in place. Do not use the other nut or washer.
5) Drill a hole for the LED using a 1/8-inch drill bit. Use hot glue or waterproof caulking to hold the LED in place.
6) Read the warnings and follow instructions for mounting the battery harness as described in steps 1 though 3 under "Installing Your Battery Harness". The battery harness for the permanent unit is wired directly to the Heat-troller box.

WARNING !

When removing the mounted Heat-troller, always disconnect the negative side of the Battery Harness cable first.

Guidelines for Use

To reduce the risk of burns, electric shock or fire, the Heat-troller must be used in accordance with the following instructions:

- Use the Heat-troller only on DC power.
- The output cord (marked power out) of the Heat-troller is intended for use only with approved heated items. Other devices such as battery tenders should not be connected directly to the Heat-troller.
- For safety reasons, the Heat-troller should not be put in the pocket of heated apparel while the Heat-troller is being used.
- Read through the installation instructions and warranty information in this booklet before installing the Heat-troller.
- Broken wires or shorts in your heated clothing can damage your Heat-troller, even though the clothing may appear to function normally. If your Heat-troller fails to function correctly, we suggest you immediately check your clothing for shorts. You can find simple instructions for testing on our website.
- If the Heat-troller fails, after checking and fixing a short, you can flip the switch to off and then on. This will reset the Heat-troller.