

**G 200X**

# INSTALLATION AND OWNERS



**HEATER  CRAFT®**

11948 North Tracey Road, Hayden Idaho 83835 | (208) 687-4400

# Safety Guidelines and Definitions

These instructions contain information that is important for you to know and understand. The information provided relates to safety issues for the installation and use of our products. To help you identify important information, we use the following system.

## *WARNING –*

Important Safety information – A hazard that may cause an injury, serious injury, or loss of life.

## *CAUTION –*

Information for preventing improper operation of, or damage to equipment.

## *NOTE –*

Information pertaining to the installation, operation, and/or maintenance of this product that you should pay special attention to.

## *NOTICE –*

Information informing you of the guidelines of these instructions.

*Save these instructions! They contain information pertaining to the safety, care, installation, use and warranty of this product.*

# Recommendations

*NOTICE* – Heater Craft will not be held liable for any accidental damage to persons and / or property resulting from any installation not completed within the specified guidelines stated herein.

1. Review Heater Craft installation instructions and warranty information completely before beginning installation.
2. Heater Craft recommends the use of a voltmeter to test your battery connections to determine the proper voltage before making any wiring connections.
3. Lay out the heater system before beginning installation to be sure the mounting location of the heater unit, as well as the routing of the wire harness will be sufficient.

*NOTE*– The heater unit is equipped with an adjustable bracket for versatile mounting situations.

4. The heater wiring harness between the batteries and the heater unit should be routed away from moving parts and secured from sharp objects or edges in such a manner to prevent any chafing or pinching which may damage the wire insulation.
5. Application may vary! If you have any questions regarding your Heater Craft product, contact us at (208) 687-4400.

# Heater Unit Installation

1. Locate an area to mount the heater unit. Be sure the unit will be in an area that does not restrict the airflow to the fan at the rear of the unit and allows proper routing of the wire harness and the switch is in the off position (down)
2. Attach the bracket in the area chosen in step (1) one. The bracket is adjustable and can be mounted in a variety of ways to suit your application.
3. Plug the wire harness into the heater unit (make sure the heater is in the off position) and route the wire harness out of the mounting area. Fasten the heater unit into the mounting bracket.
4. Route the wire leads (yellow-heat element, red-fan motor, black-ground) as needed.  
*Golf Car-* Route the wires to the battery area of the car. These leads can be routed through the existing wire harness or tied with wire ties after the installation is complete.

## Battery Connections

*NOTICE-* Please contact Heater Craft with your questions regarding your specific application.

*CAUTION-* Remove the fuses from the positive leads (yellow-heat element, red-fan motor) before making a wiring connection!

## Fan Motor Connection

1. Locate the proper power source for your unit as indicated on the bottom of the unit. (12 VDC)
2. Connect the red fused lead to this terminal.
3. Route the red wire lead to the red fused lead. Cut the wire to length and crimp into the butt splice.

## Negative Ground Connection

1. Locate the proper negative ground source.  
*Golf Car-* Locate the last negative (-) terminal from the batteries to the drive motor.
2. Route the black wire lead to this terminal. Cut wire to length and crimp into the ring terminal.
3. Connect the black wire lead to this terminal.

*CAUTION-* Removing ground wire with positive (+) element lead connected will result in fan failure.

## Heat Element Connection

1. Locate the proper power source for your unit as indicated on the bottom of the unit. (36 VDC, 48 VDC).
2. Connect the yellow fused lead to this terminal.
3. Route the yellow wire lead to the yellow fused lead. Cut the wire to length and crimp into the butt splice.

## *Golf Car Installation*

*NOTICE*– The above are general instructions for an electric golf car hook-up.

*NOTE*– The power source for most electric golf cars is generally comprised of six (6) rechargeable batteries that are connected in series to provide DC (direct current) voltage. Using a voltmeter, you can test the positive (+) voltages by connecting the negative (-) lead to the last negative (-) terminal in series and the positive (+) lead to the positive (+) terminal selected on the batteries.

*For Lithium batteries find your positive (+) connection (48V) for the element (yellow) and positive connection for the Fan (12v) most lithium pack do have only one connection and the 12V connection will need to be to an accessory wire.*

*CAUTION*– Some manufacturers may have a computer that reads voltage draw. This connection may need to be after the computer pick-up.

## Testing and Completing Heater Installation

1. Install the 3 amp fuse into red lead (fan motor).
2. Operate the switch to ensure the fan motor is blowing.
3. After testing fan operation, install the fuse into yellow lead (heat element).
4. Operate the switch to ensure the fan motor is blowing and the heat element is operating.
5. After testing is complete, secure wire harness and leads as necessary.

## Questions?

If you have questions about this product and/or the proper installation of this product, please contact us between the hours of 7 am - 3:30 pm (PST) Monday through Thursday and Friday, 7 am through 12 pm (PST).

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