ICE CRUSHER HEATERS

Kawasaki KRX1000 Heater

1x 54mm Hole Saw 236   235 ICCH-UD-C-KAWKRX1000

1x 1 1/4'' Hole Saw

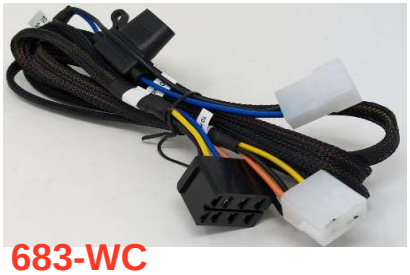
1x Hole Saw Arbor  233

4x #10 Hose Clamps  228

4x #16 Hose Clamps  226

2x Rubber Grommets  221

2x 1 1/8'' Y Fitting  242



683-WC

1x - Dash Switch Power Loom

478 1x Ring Terminal Pigtail

2x M6x12mm Screws  300

214 30x - 11'' Zip Ties

2x 1/4'' x 1'' Self Tapping Screws  412

1x 5/16'' x 1'' Self  413

Optional 1 1/8'' MaxStat

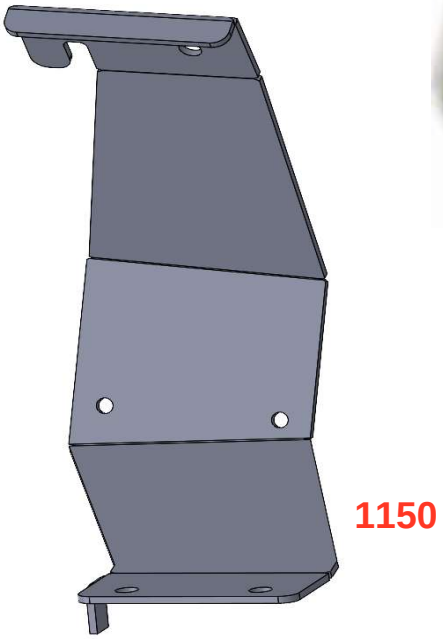
682

1x - Dash Switch

(4x) 2'' Vents **501**

693

1x Compact Heater



1150

(1x) 1150 Driver Vent Bracket

504

2' - 5/8'' Coolant Hose

505

20'' - 2'' Duct Hose

Kawasaki KRX1000 Heater

ICE CRUSHER HEATERS

Please read all instructions before beginning installation. It is easiest to physically split the instructions in two halves, one the text portion and the other the picture portion. It makes referring back and forth between the two much simpler.

When working on cooling systems always allow vehicles to cool to avoid being burned or scalded by hot coolant.

Always disconnect vehicles negative battery lead before working on electrical systems.

Please note: ***Before drilling*** any holes check area behind firewall/dash panels to make sure no damage or interference with equipment will occur by drilling holes and fitting of vents.

1. **Pre-Installation**
    a. Remove the Center Console as shown in Figure 1, do not disconnect the electronics, just set it aside.
    b. Remove the Passenger Side Center Tunnel Access Panel as shown in Figure 2

2. **Vent and Coolant Hose Preparation**
    a. Cut out and position the Defrost Templates as shown in Figure 3. Transfer the hole center and drill using the included 54mm Hole Saw. Debur as necessary.
    b. There are two ribs on the back of the dash, use a razor blade to cut them back at a slight angle to make room for duct hoses, refer to Figure 4.
    c. For each Vent hole cut, make a small notch as shown in Figure 5, this will accept the anti-rotation notch on the vents.
    d. Position the Lower Vent Templates as shown in Figure 6. Again transfer the hole centers and drill with the 54mm Hole Saw. Debur and make the notch again.
    e. Position the Coolant Hose Template on the Center Tunnel as shown in Figure 7. Transfer the Hole Centers and drill using the 1 ¼" Hole Saw Debur if needed.
    f. Insert the Rubber Grommets as shown in Figure 8.

3. **Coolant Connections**
    a. Use Hose Clamp Off Tools for this step if available. Refer to Figure 9, do not proceed until reading this entire step. Mark and cut out approximately 1-1.5'' of the radiator hoses found inside the access panel removed earlier. Before cutting, position the included 1 1/8'' Y Fittings (or Optional MaxStat) and take note of the location of the 5/8'' Outlet Ports on the Y Fitting or MaxStat. Cut the Radiator hoses such that the outlet ports end up below their respective Grommets.
    b. Insert the Y Fittings (Or Optional MaxStat) as shown in Figure 10. The Y Fittings should face the radiator for proper performance.
    c. Cut the included 5/8'' Coolant Hose in half. Insert the two pieces into the Rubber Grommets from the top side. Connect them to the Y fittings. Secure the larger ports with #16 Hose Clamps. Secure the 5/8'' Ports with #10 Hose Clamps.

4. **Heater Mounting**
    a. Position the Heater unit inside the open cavity as shown in Figure 11. Verify if there are Black Rubber Shipping Plugs in the copper ports of the heater, they are removed and discarded.
    b. Position the Heater Bracket as shown in Figure 12. From the top, install the 5/16'' Self Tapping Bolt using the existing hole in the frame, refer to Figure 13.
    c. Use a 1/8'' Drill bit to pre-drill the two lower mount hole locations, use the ¼'' Self Tapping Bolts to secure the base of the Heater Bracket as shown in Figure 14.
    d. Use the M6x12mm Bolts to mount the Heater to the Bracket. Ensure the Copper ports are located on the Passenger Side as shown in Figure 15.
    e. Cut the 5/8'' Coolant hoses to length and insert them on to the heater. Secure with #10 Hose Clamps as shown in Figure 16.

5. **Duct Hose Routing and Wiring.**
    a. Refer to Figure 17, Figure 18, Figure 19, Figure 20, Figure 21 to cut duct hoses into the lengths shown. Route them as shown to their respective holes, and make all connections using zip ties to secure the hoses. **Note: All measurements are taken with the hose in a compressed state.**
    b. Connect the 4 Pin connector from the included wiring harness to the Heater Units 4 Pin Connector as shown in Figure 22.
    c. Remove one of the available Dash Switch cover plates, push the Dash Switch Connector from the wiring harness through the opening, insert the Dash Switch and press the Dash Switch into place as shown in Figure 23.
    d. Insert the included Ring Terminal Pigtail to the 2 Pin connector on the wiring harness. Install the Ring Terminals to the Auxiliary Bus Bar as shown in Figure 24.
    e. Test the fan works at both speeds.

6. **Test Heater**
    a. With the vehicle cold, use manufacturer approved coolant. Open the radiator cap and fill the reservoir to the Max line. Start the vehicle, turn the Heater Fan on high and let the vehicle run at idle, filling the reservoir as necessary.
    b. After the coolant level in the reservoir has remained constant for 20-30 seconds, replace the radiator cap securely. Run the vehicle at 3500-4500RPM, being mindful of the vehicle temperature. If the vehicle temperature exceeds normal operating temperature, turn the vehicle off and let it cool down completely. Once completely cool, open the fill cap and fill coolant as needed. Repeat steps until vehicle is able to regulate its temperature using the radiator fan.
    c. Run the vehicle between 3500-4500 RPM until the radiator fan turns on, this is considered one thermal cycle of the vehicle.
    d. Turn the vehicle off, let it cool completely. After complete cool down, refill the coolant reservoir and radiator as needed.
    e. Repeat test procedure, checking for leaks periodically and refilling coolant as needed until coolant level remains the same after a full thermal cycle and the heater puts out good heat.
    f. Reassemble vehicle in reverse order.

Figure 1

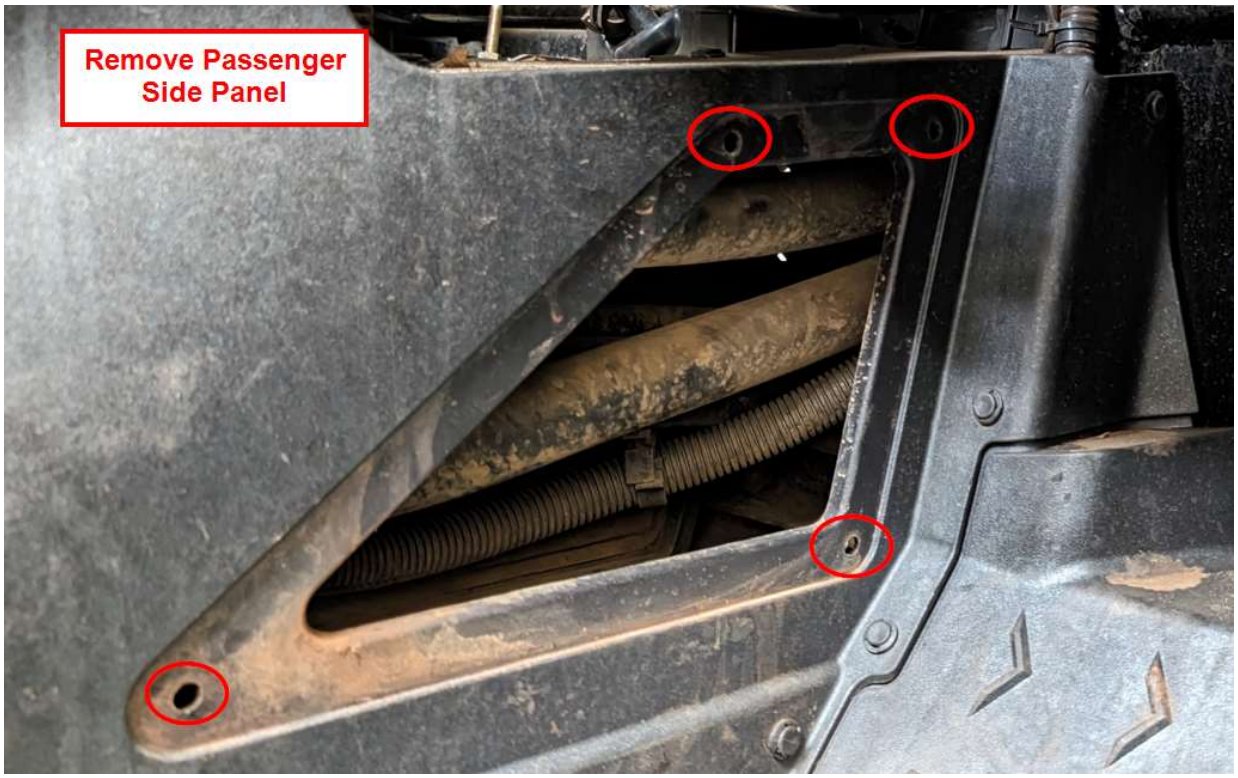


Figure 2

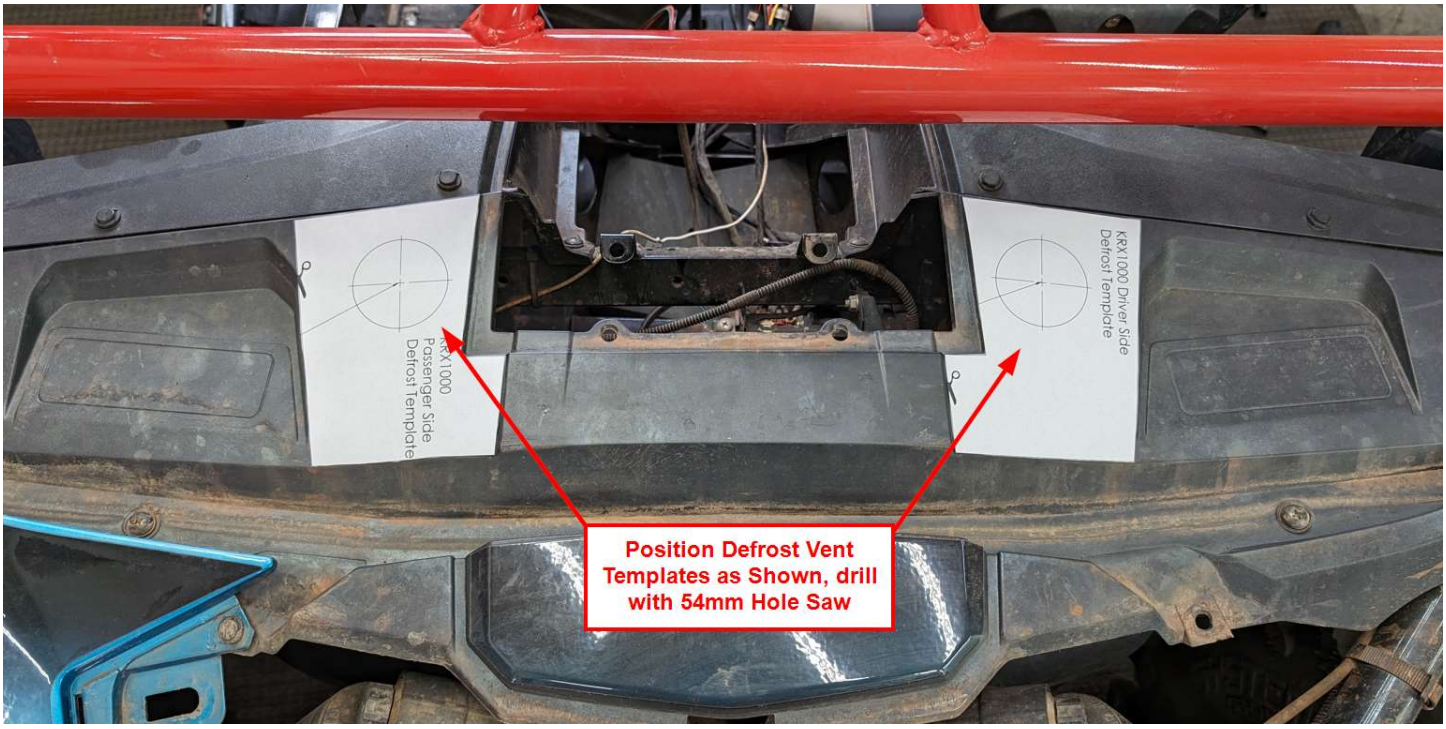


Figure 3

Figure 4

Kawasaki KRX1000 Heater

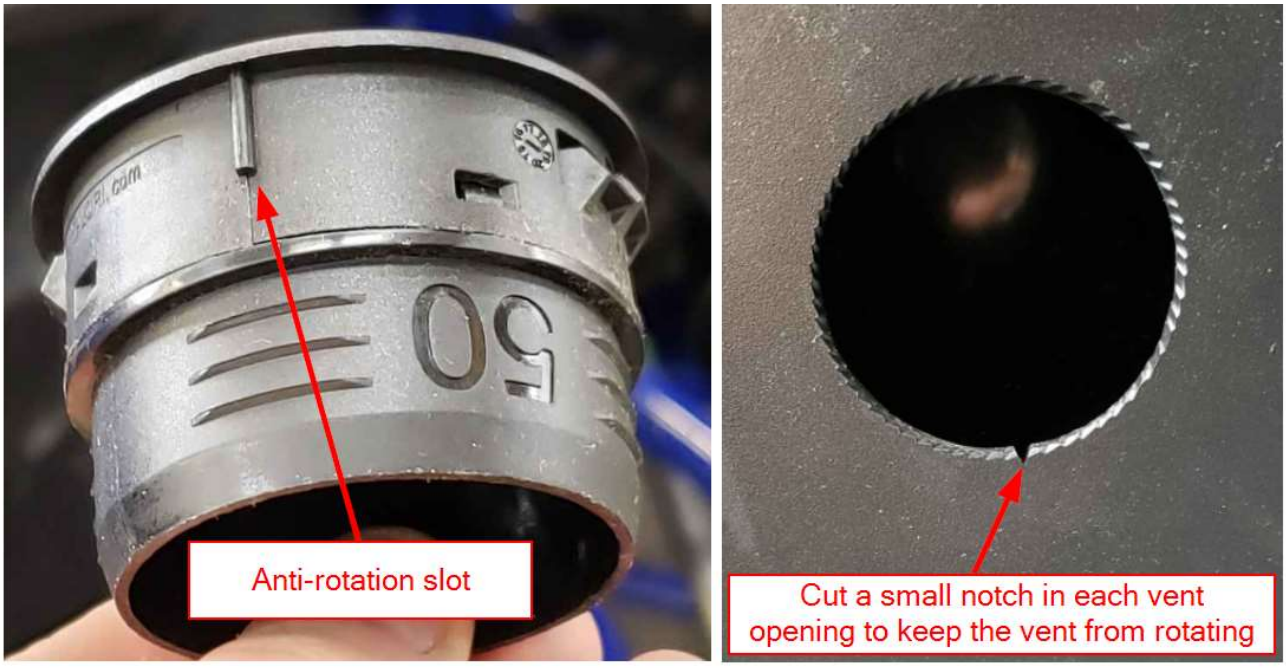


Figure 5

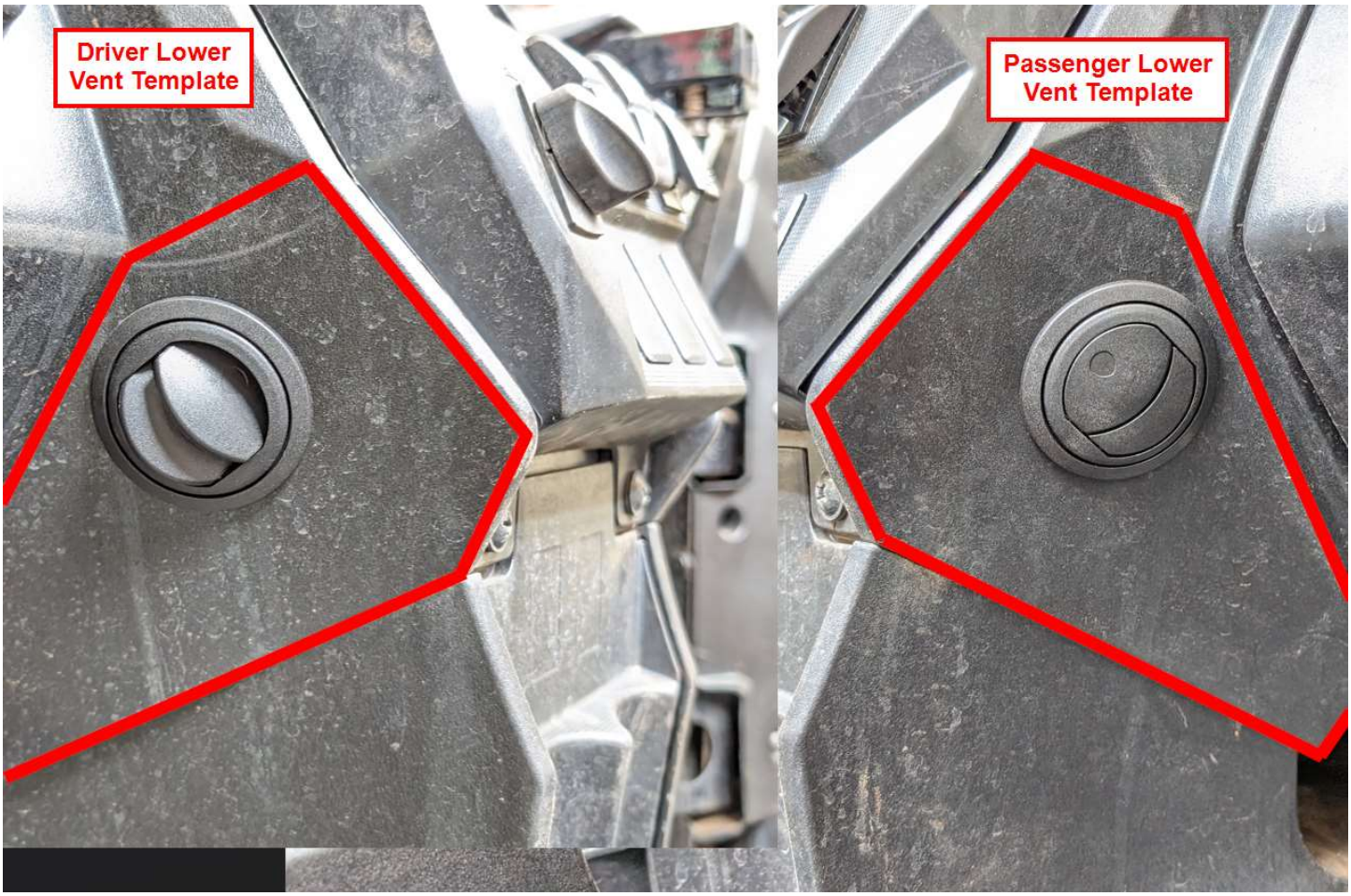


Figure 6

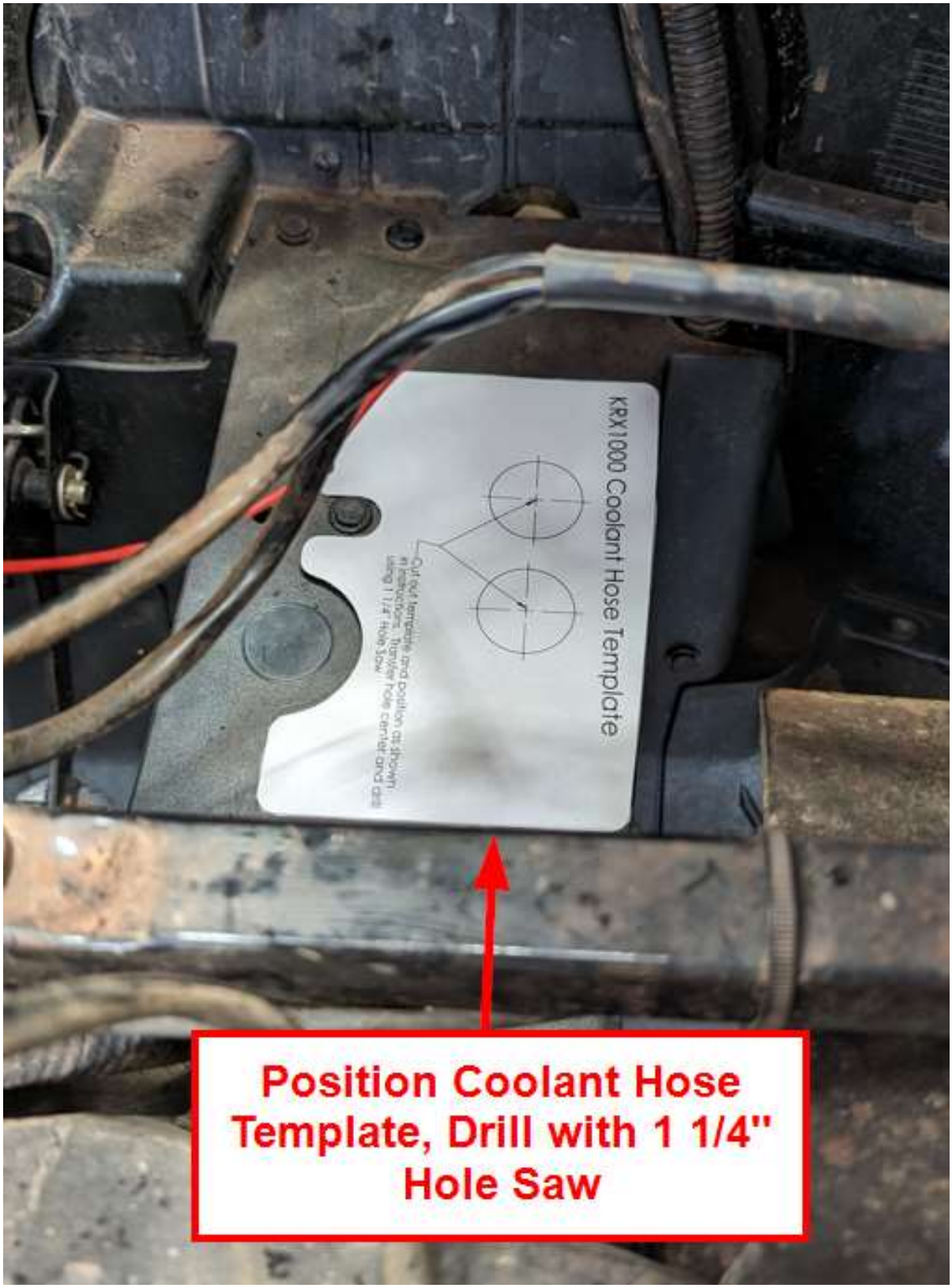

KRX1000 Coolant Hose Template
Position Coolant Hose Template, Drill with 1 1/4" Hole Saw

Figure 7

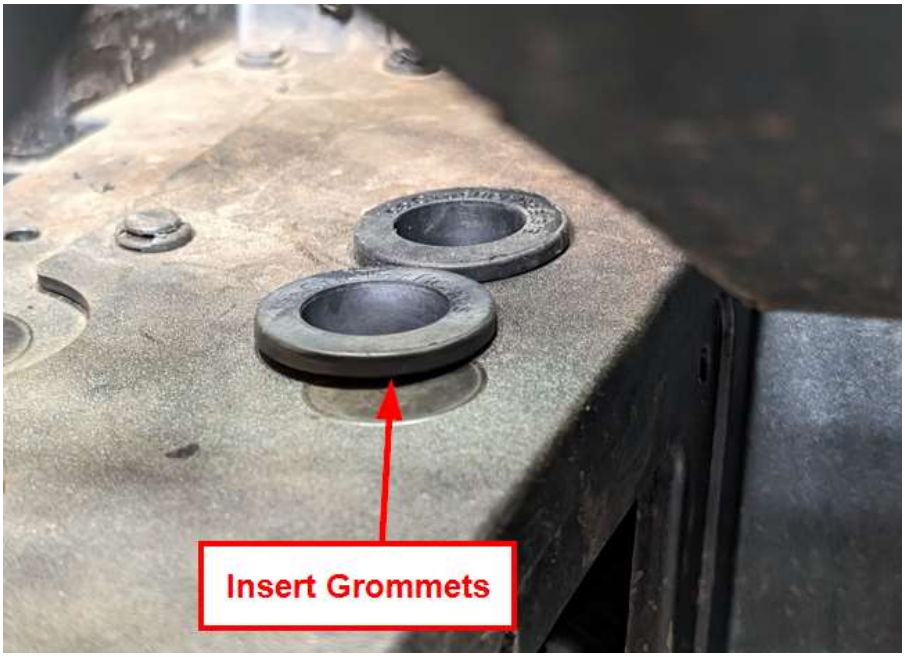


Figure 8

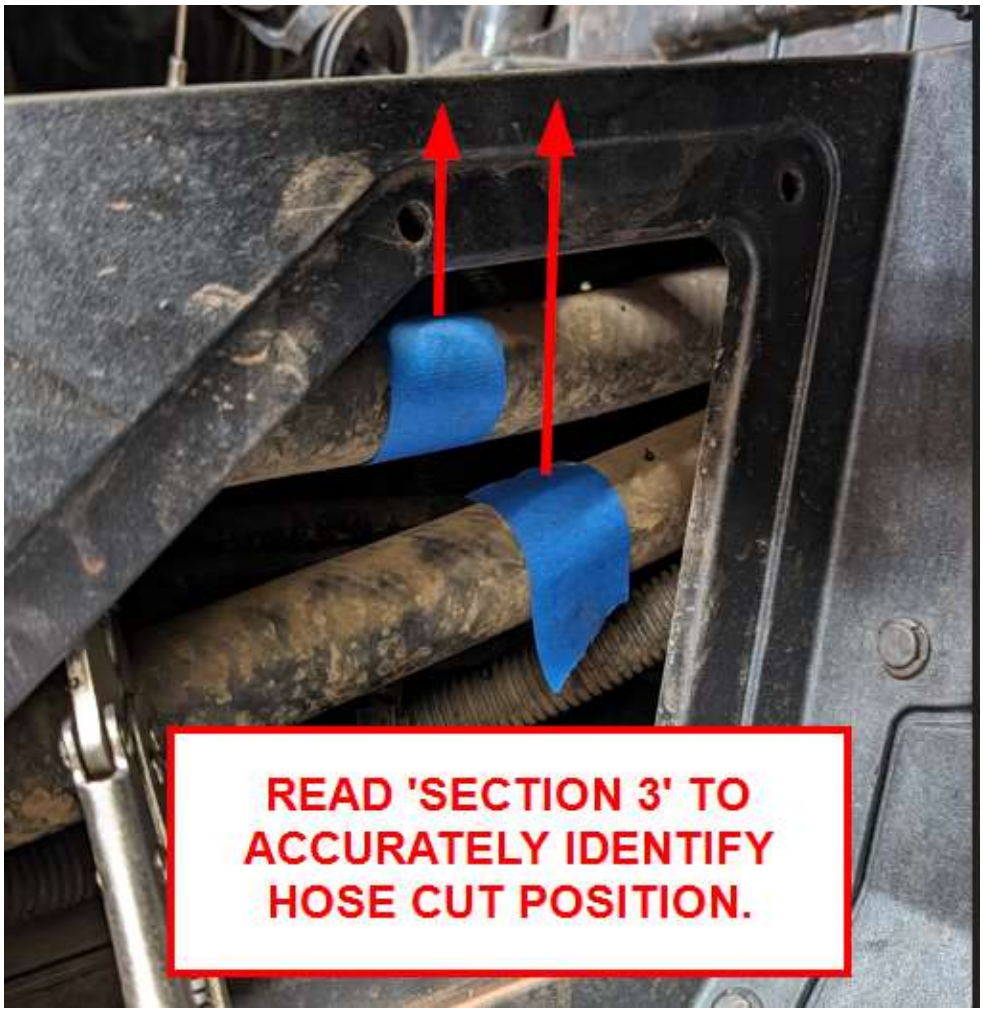


Figure 9

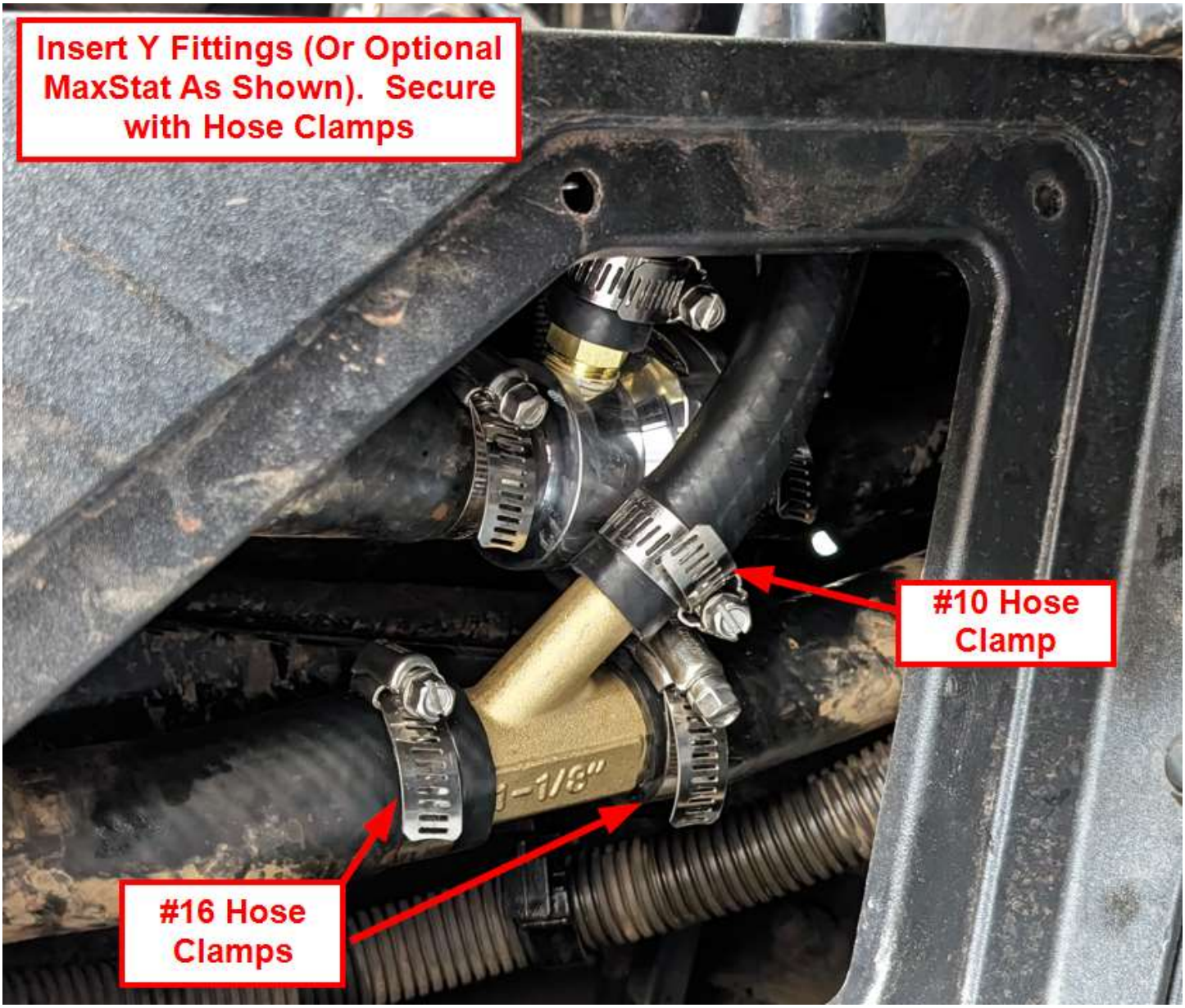

Insert Y Fittings (Or Optional MaxStat As Shown). Secure with Hose Clamps
#10 Hose Clamp
#16 Hose Clamps

Figure 10

Kawasaki KRX1000 Heater

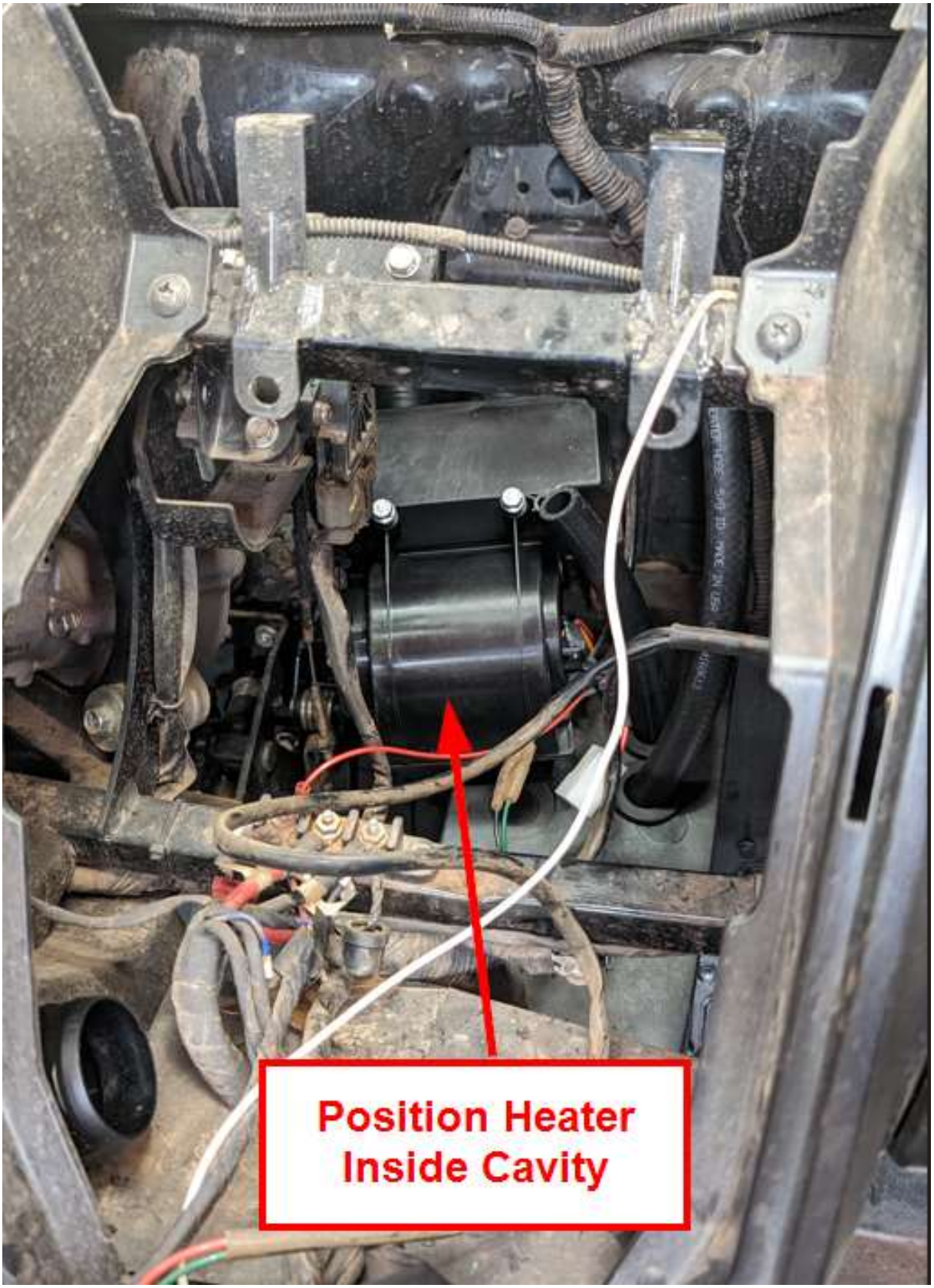


Figure 11

Kawasaki KRX1000 Heater

Figure 12

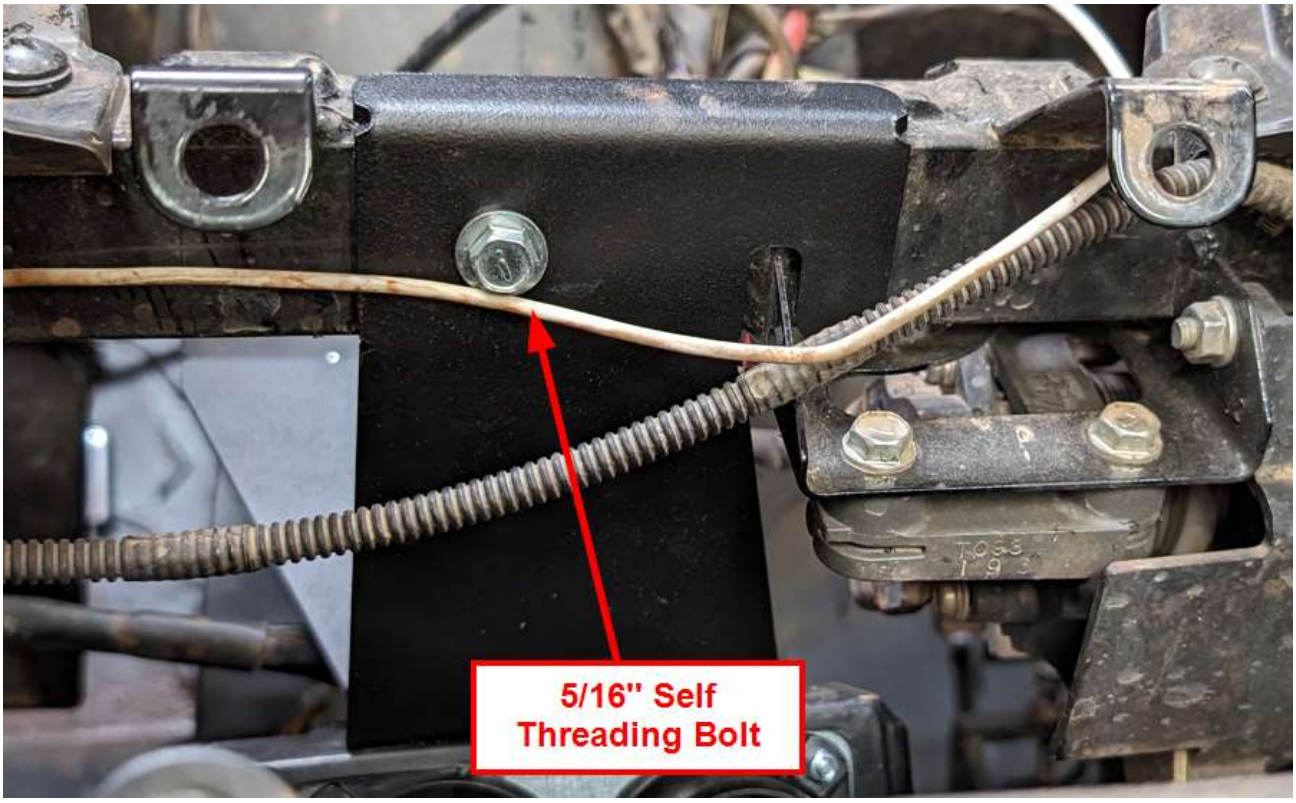


Figure 13

Figure 14

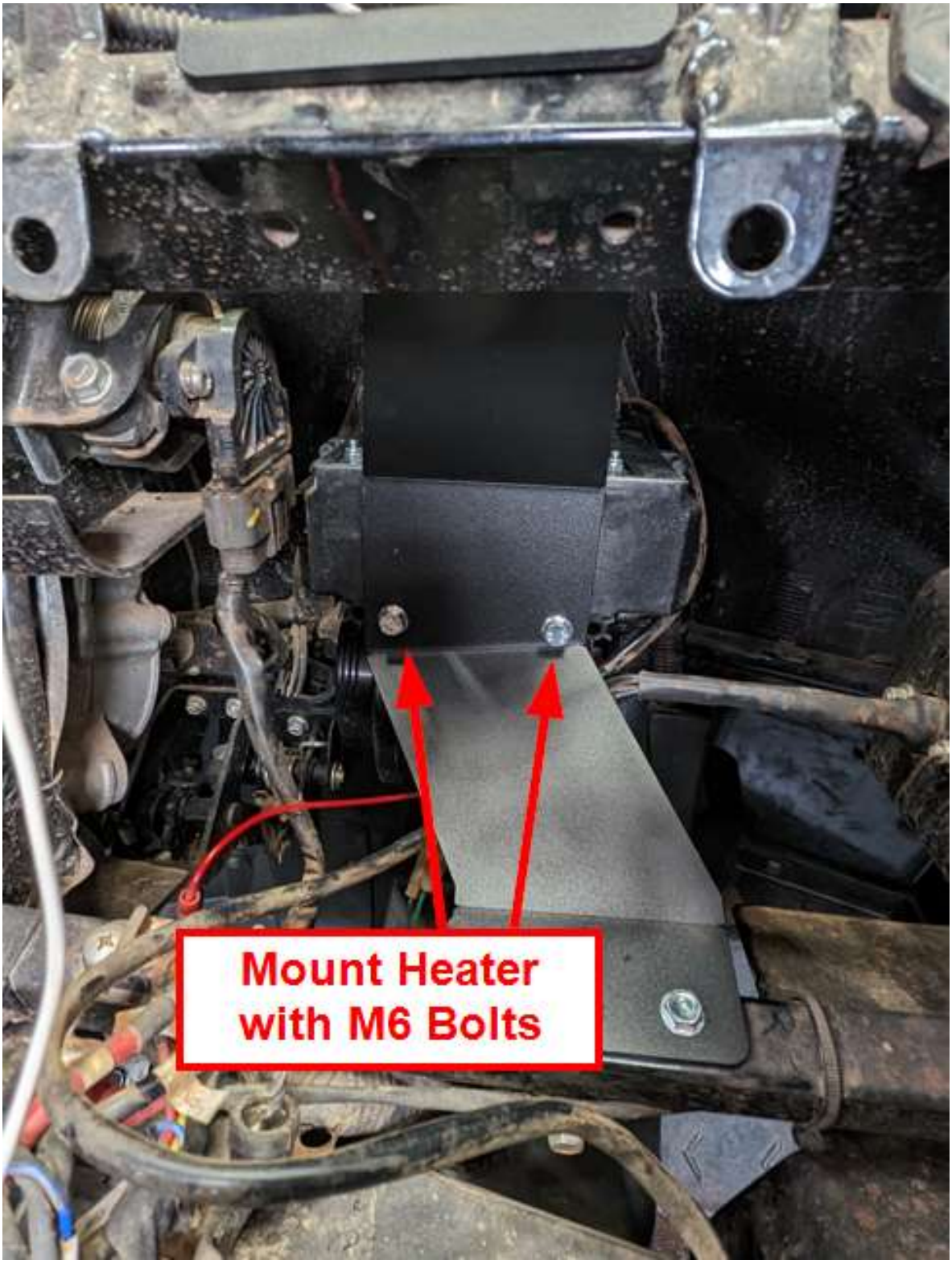


Figure 15

Kawasaki KRX1000 Heater

Figure 16

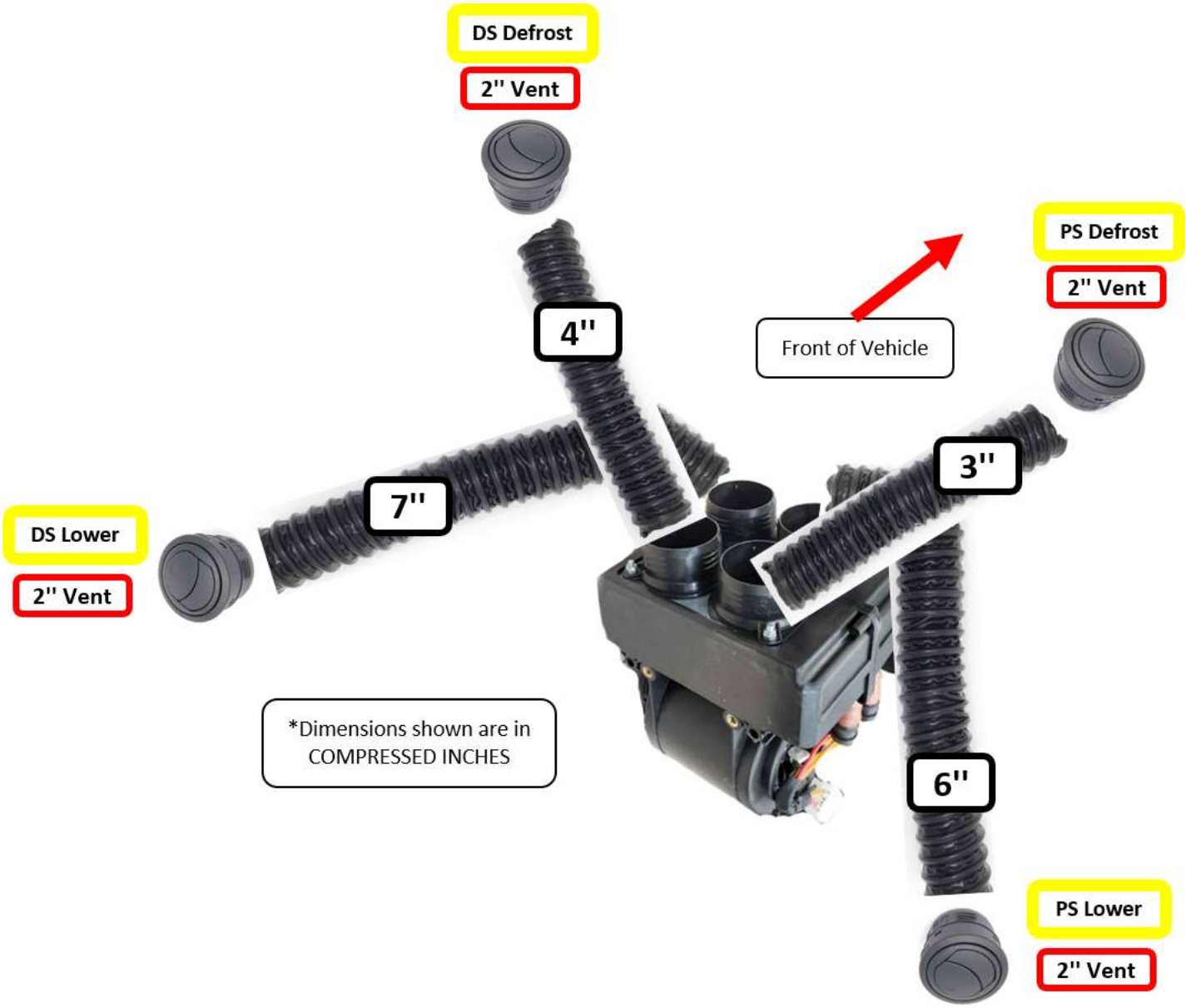

DS Defrost
2" Vent
4"
Front of Vehicle
PS Defrost
2" Vent
3"
7"
DS Lower
2" Vent
*Dimensions shown are in COMPRESSED INCHES
6"
PS Lower
2" Vent

Figure 17

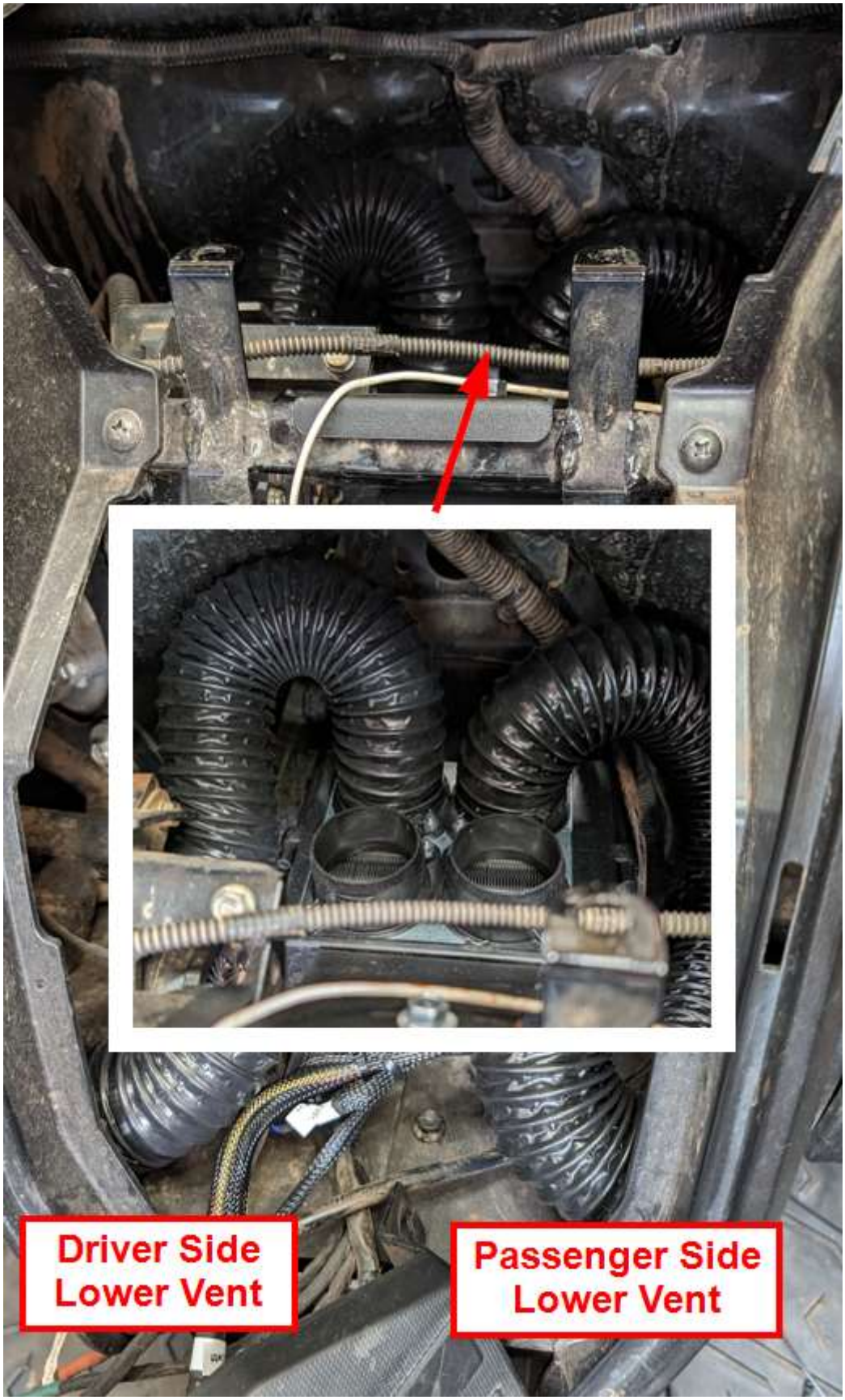


Figure 18

Kawasaki KRX1000 Heater

Figure 19

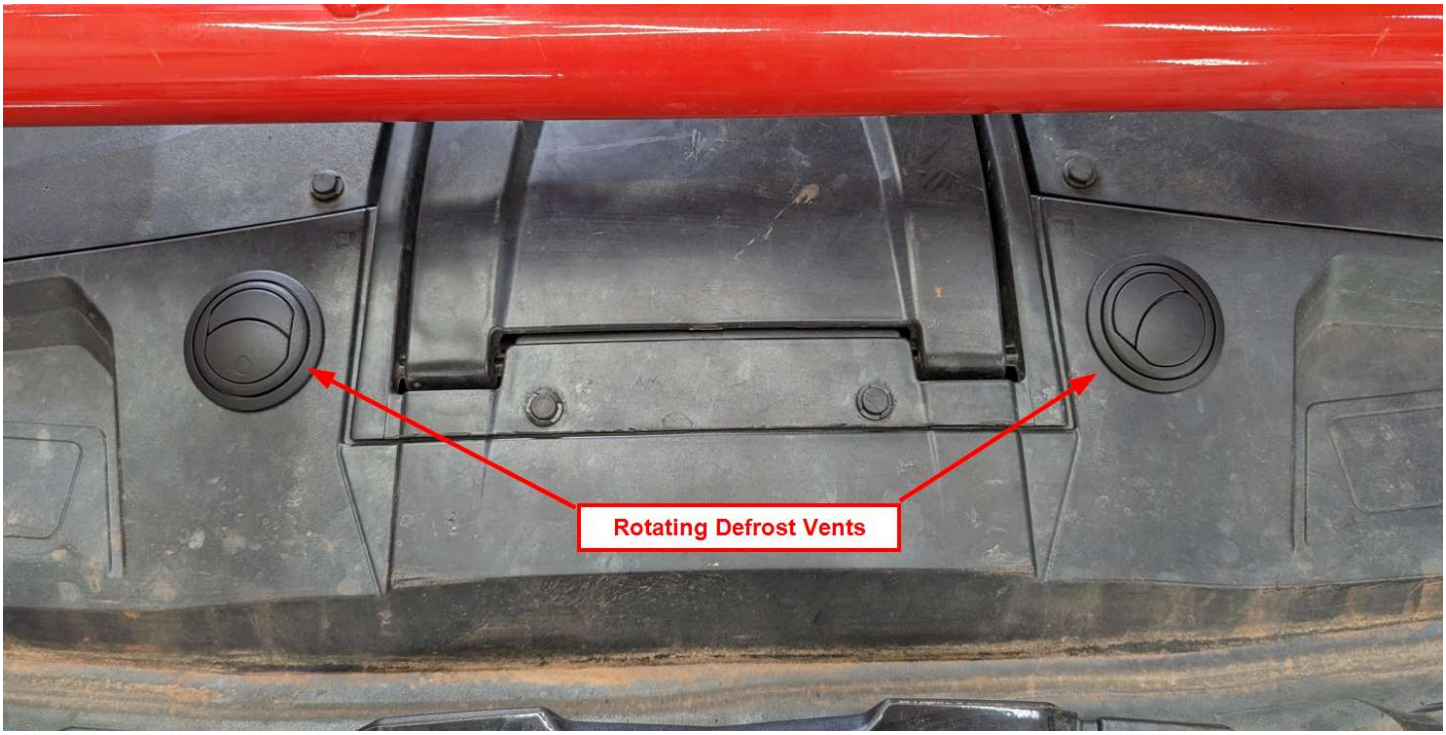


Figure 20

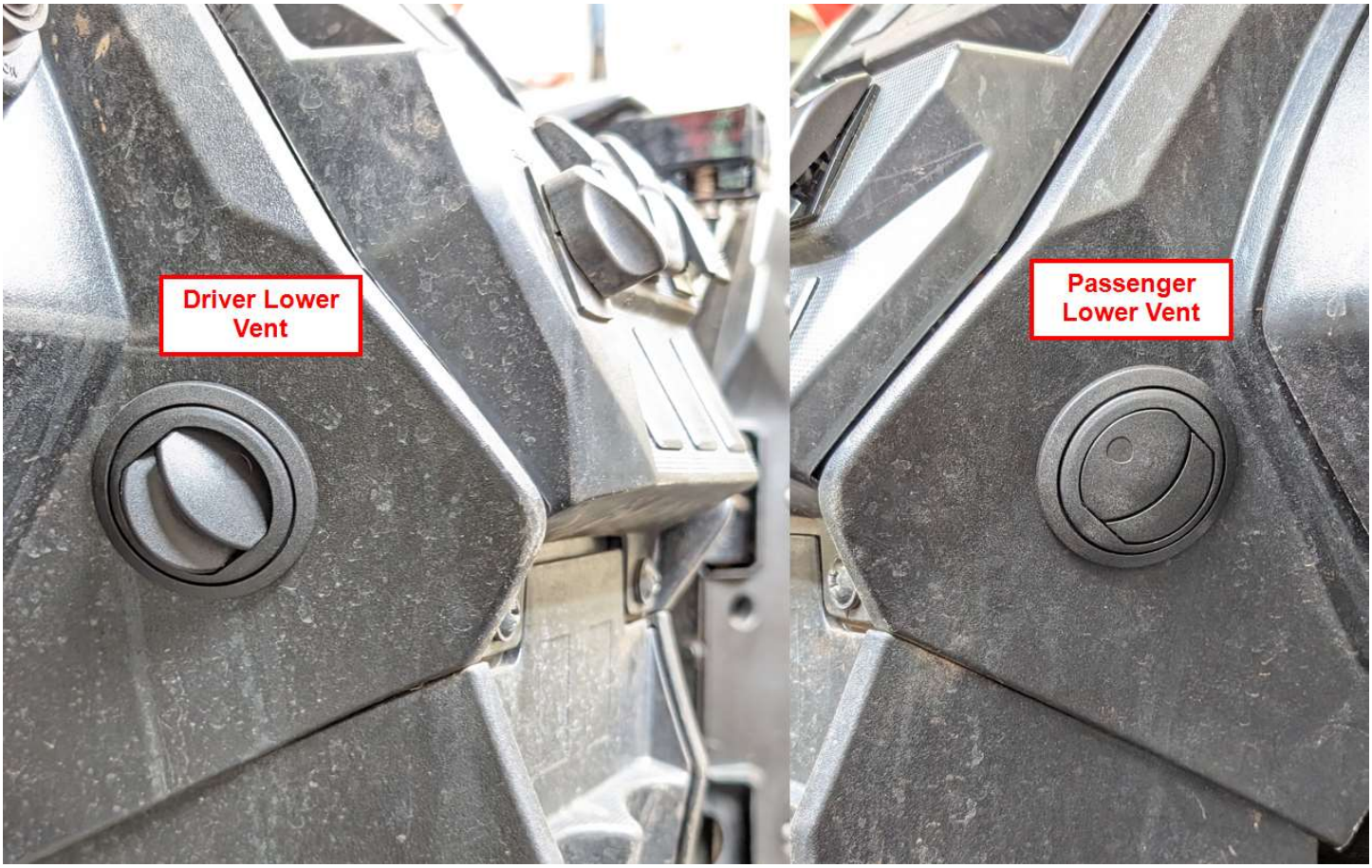


Figure 21

Kawasaki KRX1000 Heater

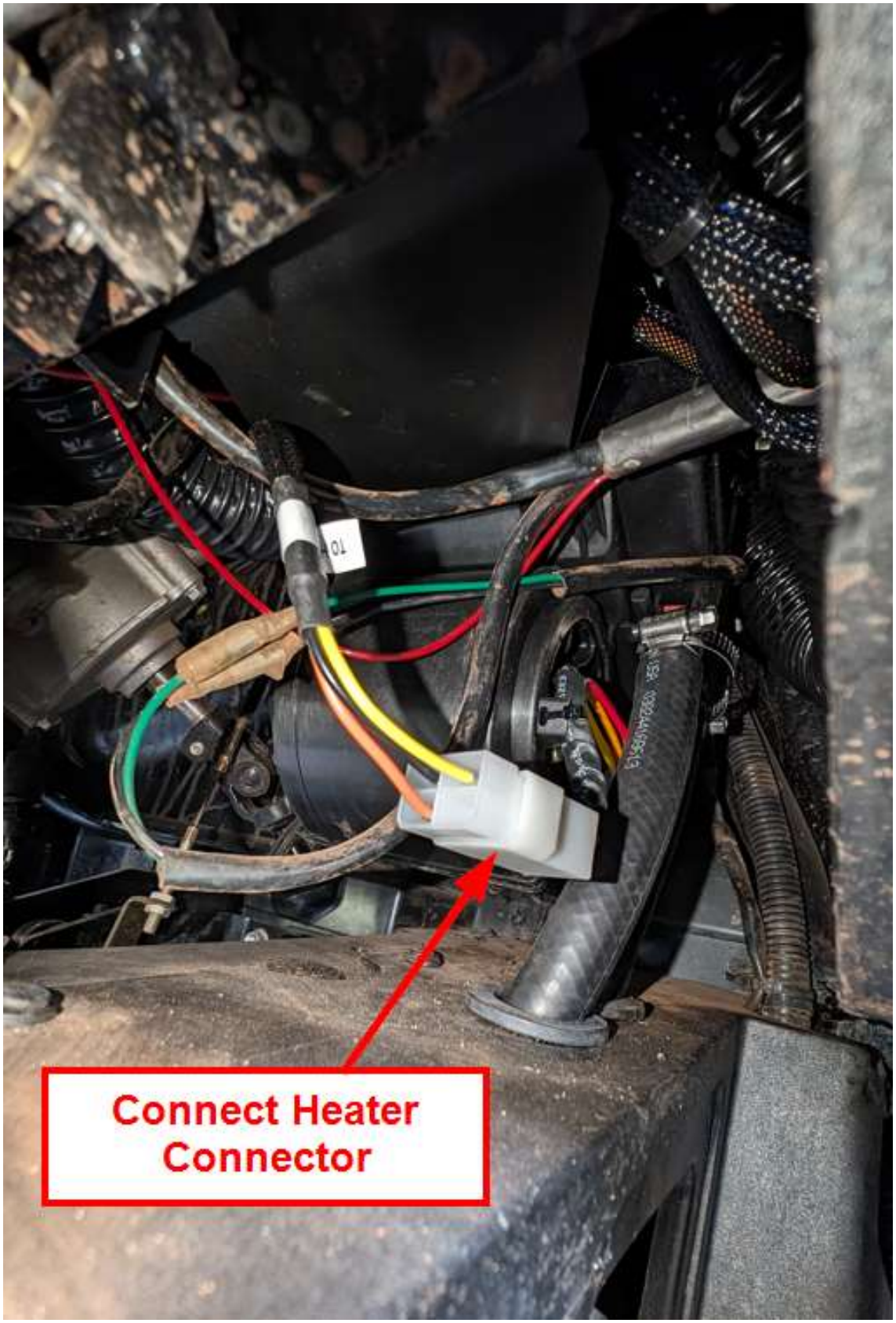


Figure 22

Kawasaki KRX1000 Heater

Figure 23

Kawasaki KRX1000 Heater

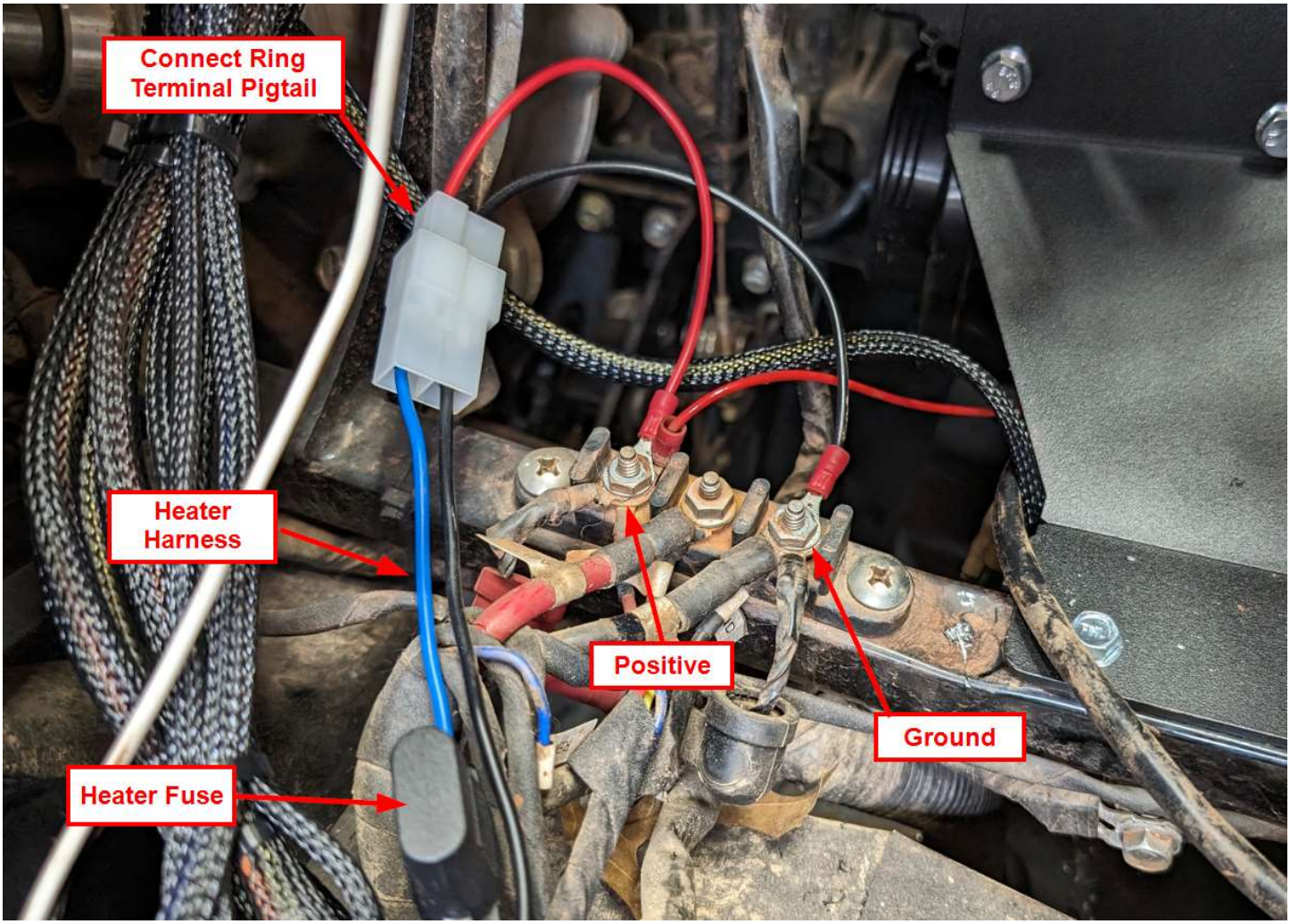


Figure 24

Kawasaki KRX1000 Heater

HEATER WARRANTY – icecrusherheaters.com and coupersproducts.com

***Coupersproducts.com/Icecrusherheaters.com Heater Warranty. 3 Year/36 Month Limited Warranty**

Ice Crusher Heaters warrants your Ice Crusher UTV Heater System to be free from defects in material and craftsmanship under normal use and service by the original consumer purchaser (end user) for a period of Three (3) year from the date of purchase on all components including electrical components. The warranty is null and void if the system has been damaged by accident, improper installation, unreasonable use, lack of proper maintenance, unauthorized repairs or modifications, or causes not arising from defects in materials and craftsmanship.

Ice Crusher Heaters obligation under this warranty are limited to repair of the product at Ice Crusher Heaters production facility, or the replacement of the product at Ice Crusher Heaters option and at Ice Crusher Heaters expense. Any expense involved *in the removal, reinstallation, or transportation of the product is **not** covered by this warranty.* Prior to return of any product to Ice Crusher Heaters, customer must contact Ice Crusher Heaters customer service, (888)-964-0135, info@utvheaters.com, and obtain a Return Authorization Number. This number must be marked on exterior of carton for easy identification. Warranty product received at Ice Crusher Heaters without a Return Authorization Number may be returned at expense of sender.

Postage must be prepaid, and the original dated proof-of-purchase must be confirmed or provided. Ice Crusher Heaters will not be liable for any damages sustained in transport due to improper packaging or handling. The acceptance by UTV HEATER WARRANTY – utvheaters.com and coupersproducts.com

This warranty is Couper's Products only express warranty of this product. We reserve the right to make changes to products and policy that are in the best interest of Couper's Products. No implied warranty shall extend beyond One (1) or Three (3) year period from the date of the original consumer (end user) purchase. Couper's Products will not be liable for any damages, for loss of use of this product, nor for any consequential damages, costs or expenses.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights not mentioned here that vary from state to state.

After receiving a Return Authorization Number send defective product to:

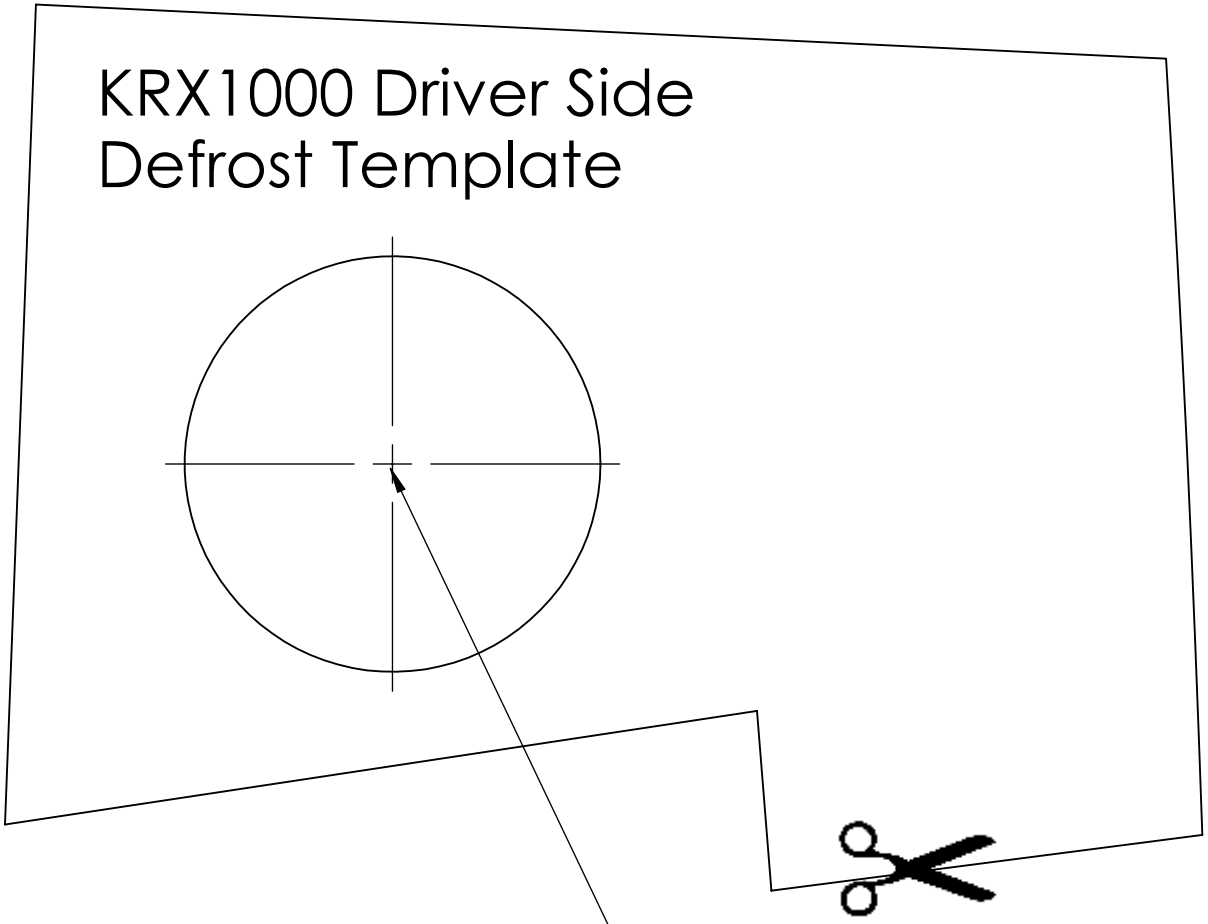
Ice Crusher Heaters

Attn: Warranty

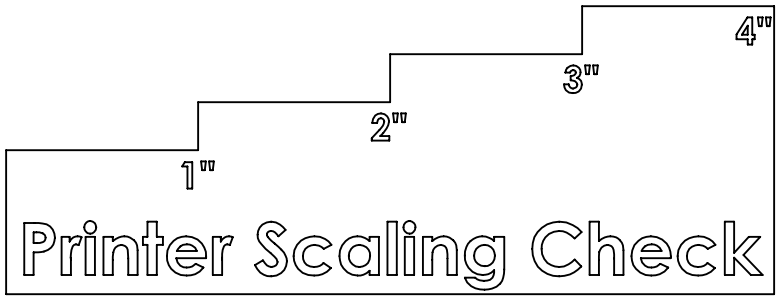
23001 Industrial Blvd

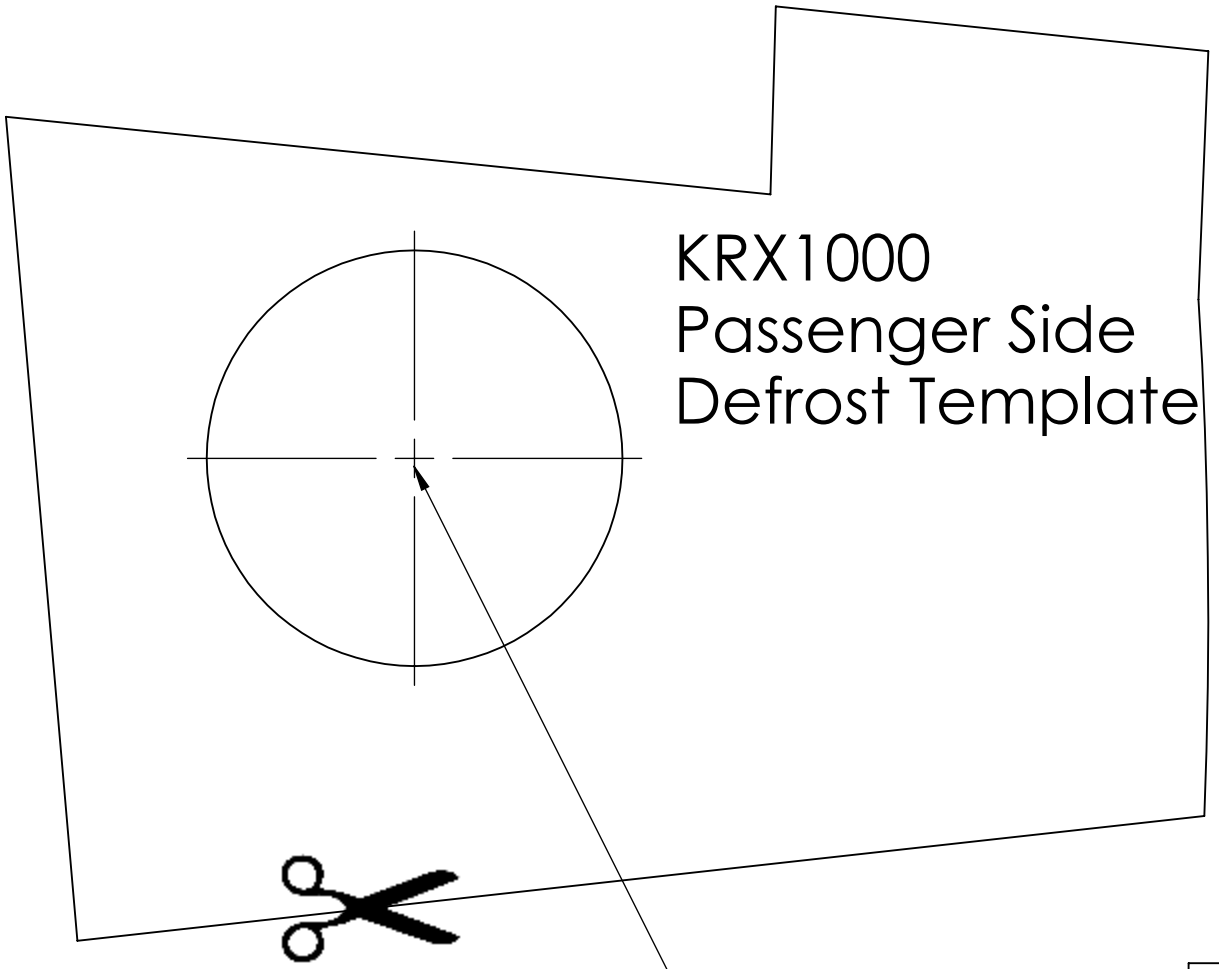
Rogers, Minnesota, 55374

KRX1000 Driver Side Defrost Template

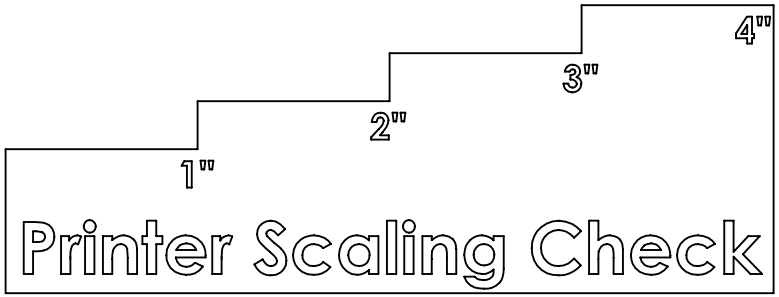


Cut out template and position as shown in instructions. Transfer hole center and drill using 54mm Hole Saw

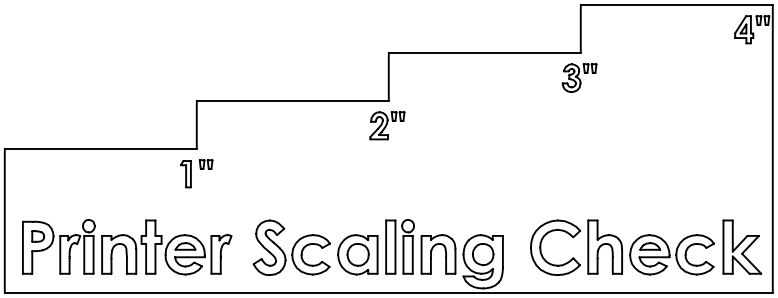


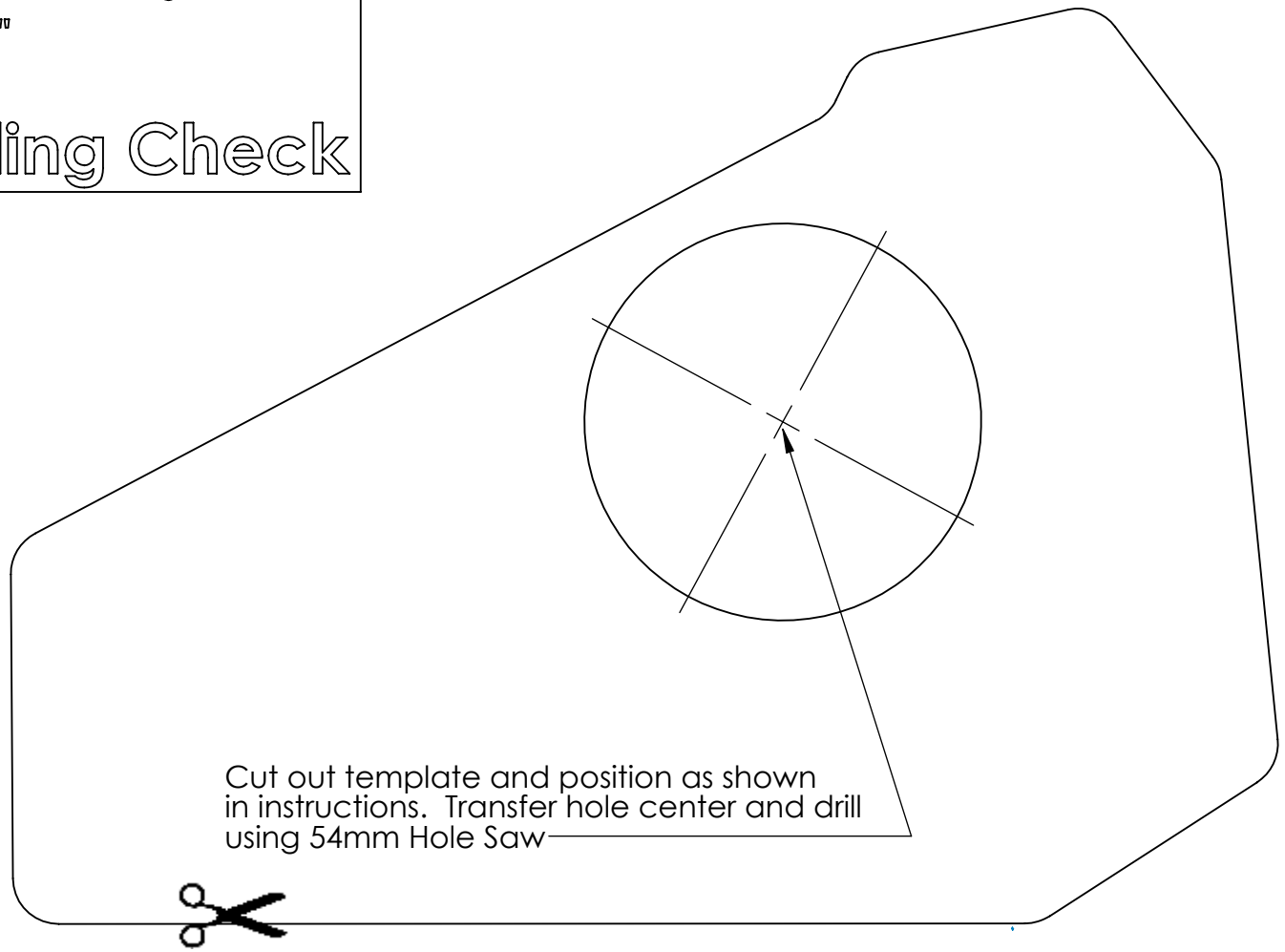


Cut out template and position as shown in instructions. Transfer hole center and drill using 54mm

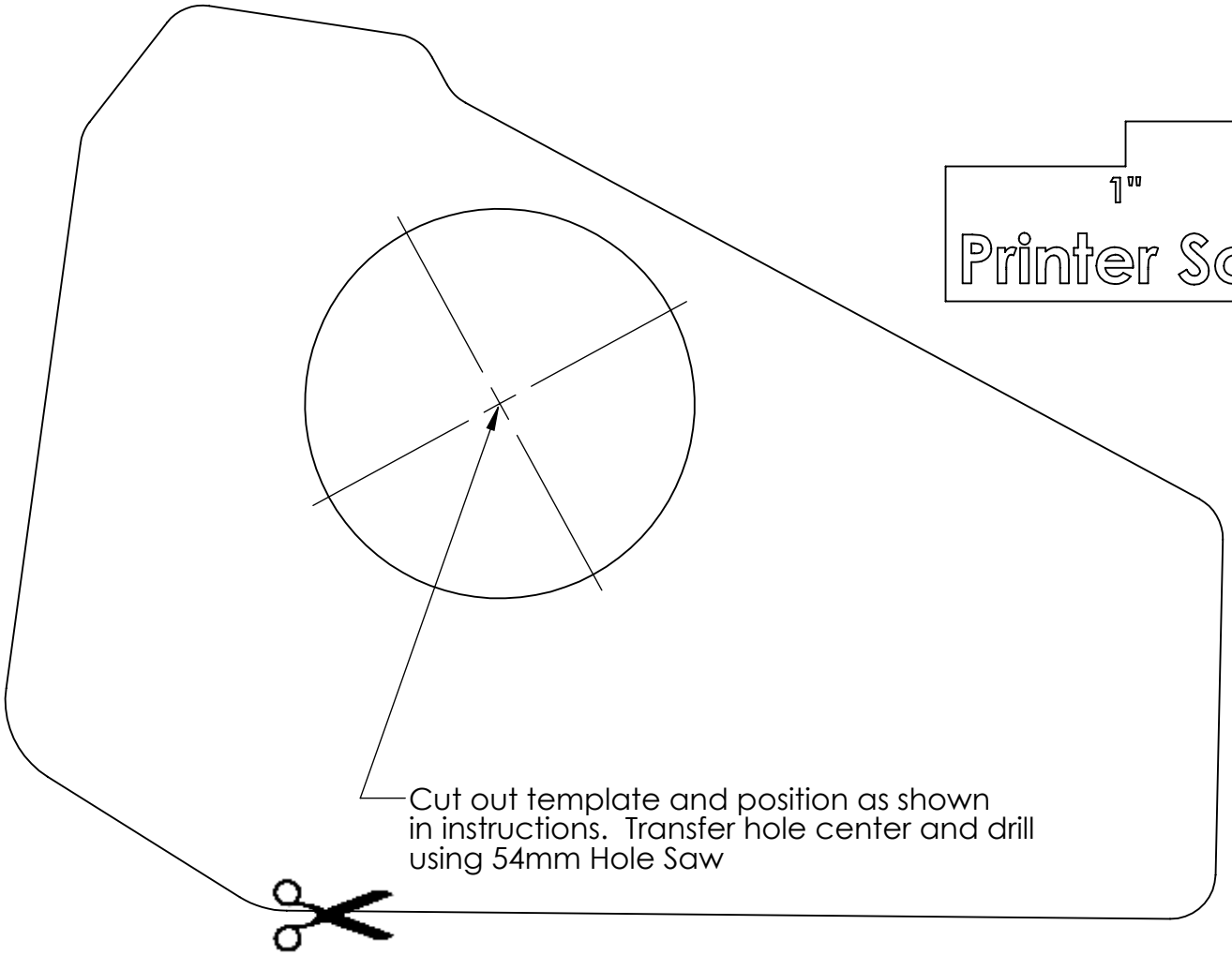


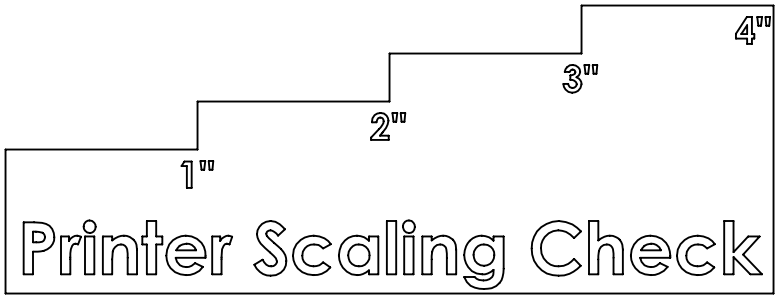
Driver Side Lower Vent Template



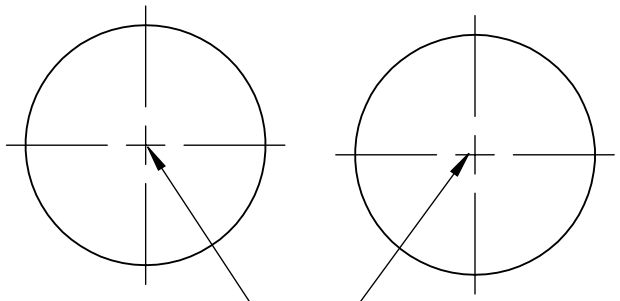


Passenger Side Lower Vent Template





KRX1000 Coolant Hose Template



Cut out template and position as shown in instructions. Transfer hole center and drill using 1 1/4" Hole Saw