Ice Crusher Behind Dash -17 Polaris RZR XP1000

ICCH-BD-C-RZR1000

1x 1 1/4" Hole Saw
1x 55mm Hole Saw
1x Hole Saw Arbor

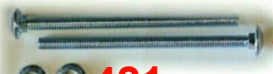
2x #16 Hose Clamps

8x #10 Hose Clamps

1x Blower Switch

1x 7/16" Washer

2x 5/16-18x5" Bolt



2x 5/16x18 Nut

2x 5/16 Washers

2x #10x1/2" Screws

RZR - 13f of 5/8 Heater Hose
RZR 4 - 15f of 5/8 Heater Hose

7x 1/4-20x3/4" Bolt

4x 1/4x20 Nuts

2x 6mm x 1mm Flange Nuts

3x 1/4 U-Nuts

2x Push-Pins

2x 1 1/4" Gommets

1x Pre-made Power Loom

1x 1" Brass Y's

12" - .250 Foam Tape

1x 3-Way Ball Valve

30x 11" Cable Ties

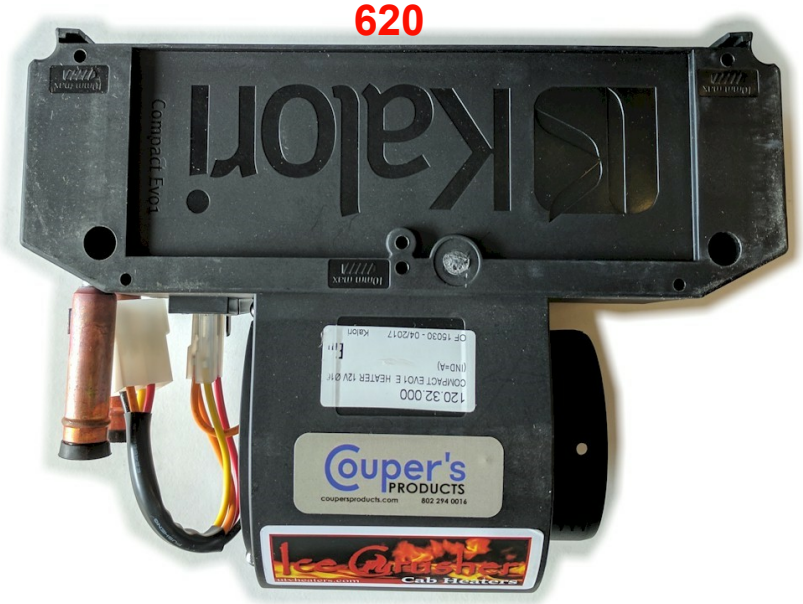
2x 1/4" Eye Terminal

1x Round Bezel
1x #2 Knobs
1x Switch Nut

1060

1059

620



1x Heater Unit

1061

1062

1005P

Plastic Face Plate with Ports

1063

Vent and Duct Kit

3x 2" Y's

503

2x 3" Vents

502

4x 2" Vents

501

505

43" 2" Duct Hose
(compressed)

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ICE CRUSHER HEATERS

Please read all instructions before beginning installation. When working on cooling systems always allow vehicles to cool to avoid being burned or scalded by hot coolant. Always disconnect vehicle's 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 will occur by drilling holes.

Remove hood, Remove top dash panel by removing the two locating torx screws. Remove the plastic cover from the EPS (electric power steering) Unit. Cut corner from cover as shown in Figure 1 using hacksaw or roto tool etc. Refit cover.

With the heater units blower motor facing toward you and the heater inlet/out fittings on your right hand side, install Left and Right Brackets as in shown Figure 2 onto heater with supplied #10 x ½" screws and 5/16 x 5" bolts, tighten. Use the supplied ¼ x ¾ bolts to attach L Brackets to heater Left and Right Brackets, hand tighten only.

Locate factory grommet under the dash in the right side of the firewall as shown in Figure 3. Use the 1 ¼" Hole Saw and drill one hole below the factory grommet approximately as shown in Figure 3. Fit fitted with a factory winch this grommet may be used to carry the winch wiring, if this is the case drill two holes below the factory grommet hole.

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 the hole. Manufacturers change and modify vehicles during production and at new model year introduction.

Using supplied heater hose, pass each end through the grommets in the firewall from the ***radiator side*** of the firewall, do not cut hose to do this. **Tip:** Using dish soap or a rubber/plastic cleaner on the hose will make the hose slip through the grommets easier. This can also be used on any hoses fittings and Y connectors to make connecting into hoses easier.

Use supplied foam tape and apply to the dash support bracket as shown in Figure 4.

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Facing the dash panel, hold heater so the heater hose fittings are to the right, attach heater hoses to the heater hose fittings using supplied hose clamps. **Please Note:** Be sure to remove factory shipping plugs from heater fittings if so fitted. Install Fill Tee in the top hose.

Locate dash attachment bolts as shown in Figure 5, place heater down into the opening behind dash pushing heater hose back through grommets at the same time. Place the slotted holes in the L Brackets over the dash attachment bolts as shown in Figure 5 and 6. Use one each of the supplied 5/16 washer and 6mm flange nut on each of the dash attachment bolts. Adjust heater and brackets so the heater sits firmly against the foam tape fitted to the dash support bracket so the heater fits correctly into the opening behind dash. Make sure the heater hoses are not kinked in any way. Tighten mounting bolts.

Drain cooling system by removing lower radiator hose. **Note:** If you have the equipment to clamp off the hoses where the Y connectors are to be installed you won't have to drain the cooling system.

Locate the lower radiator hose at the front of the UTV, cut radiator hose as shown in Figure 7a removing approximately a 1" to 1.5" section of the hose. Insert the 1" Y connector exactly as shown in Figure 7a in the radiator hose. Before cutting the radiator hoses, be sure that the placement of Y will not interfere with any part of the vehicle. Route one of the heater hoses from firewall to Y connector, cut heater hose to length.

Locate the Oil Cooler Bypass Hose in engine compartment on the RH side of the UTV as shown in Figure 7b. Cut the radiator hose as shown in Figure 7b and Figure 8 removing approximately a 1" to 1.5" section of the hose. Insert the 3-way Ball Valve as shown in Figure 8. Route upper heater hose from firewall down through driveshaft tunnel to the 3-Way Valve. Route heater hose next to coolant pipes. Use cable ties as necessary. Make sure all hoses are as far away as possible from driveshaft, steering shaft and sharp areas etc. Cut heater hose to length.

Connect wiring to heater. Run wiring loom through the vehicle's wiring loom grommet in dash panel up to the power connection block as shown in Figure 9. Connect the Blue wire to "Acc" and black to attachment bolt of the power connection block . Reconnect battery, turn key on to check fan operation. Use cable ties as necessary to secure loom. **Note:** Switch installation is covered later in directions.

Refill cooling system as per manufacturer's procedure. Start and run the vehicle at a fast idle and run up to normal operating temperature. Check for leaks. Check heater operation. Allow vehicle to cool and recheck cooling system level and coolant ratio, fill and/or alter coolant ratio as required.

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Place Center Vent Bracket under center of dash, locate in correct position as shown in Figure 9, mark hole positions, remove Center Vent Bracket. Drill holes using a 5/16 drill bit. Fit supplied Speed Nuts to dash.
Fit vents to Center Vent Bracket. Cut two pieces of 2" Duct Hose approx. 1.5" in length (all duct hose measurements are with the hose compressed). Fit to 2" vents and 2" Y as shown in Figure 10. Connect remaining 2" Duct Hose to the 2" Y. Connect the 2.5" Duct Hose to the center vent. **Tip:** To attach Duct Hoses to Y's and/or Vents either twist Duct Hose or Vents in a "screw" action. Use cable ties around all Duct Hose connections.

Fit Center Vent Bracket into place pulling Duct Hoses up in behind dash. Attach Center Vent Bracket using supplied ¼ x ¾ bolts. Using Figure 14 as a guide, run the 2" Duct Hose from the two side Center Vents up to Heater Unit. Be sure to stretch Duct Hose to full length. Cut Duct Hose. Connect Duct Hose to center outlet of Heater Unit.

Place LH Vent Bracket on Left side of dash as shown in Figure 11, mark hole positions, remove LH Vent Bracket. Drill holes using a 1/4 drill bit. Fit vent to LH Vent Bracket.

Using Figure 14 as a guide, run the 2.5" Duct Hose from the Center Vent over the LH Vent, connect hose to Vent. Fit LH Vent Bracket to dash using supplied Push Pins. Determine correct position to install 2.5" Duct Y in 2.5" Duct Hose near Heater Unit, fit Stepdown to remaining 2.5" Duct Y outlet. Fit 2" Duct Hose to Stepdown then connect Duct Hose to LH outlet of Heater Unit.

Using Defrost Template and supplied 54mm hole saw, drill defrost vent holes as shown in Figure 12a and 12b. ***Tip:*** Use a knife to remove burs and chamfer from the drilled holes to help with fitting of the vents. Remove vent face from vent backing by inserting a tool like a putty knife/scraper in between the serrated vent face and vent backing and carefully pry upwards popping vent face off. Once vent backing is inserted in to location refit vent face into backing.

Place vents into holes, push down carefully until vents snap into place. Connect a length of 2" Duct Hose between the Defrost Vents. Determine correct position to install 2" Duct Y in the 2" Duct Hose, Fit 2" Duct Hose to 2" Duct Y then connect Duct Hose to RH outlet of Heater Unit.

Choose position to locate the heater switch (limited by switch wiring loom) such as shown in Figure 13. Use supplied switch template to mark the position of the switch hole centers. Drill holes to sizes stated on the template. Route the heater switch and wiring to switch mounting hole, install switch, switch bezel, 7/16 washer and switch nut. Carefully align the locating tabs on the switch bezel with the small drilled holes. Tighten nut and fit knob.

Reinstall top center dash panel and hood as required.

If the heater fails to blow hot/warm air once the vehicle is up to operating temperature, there may be an air lock in the heater unit. Temporarily block off the top/inlet radiator hose at the radiator. Start and run vehicle up to operating temperature. Feel the outlet/lower hose from heater until it feels hot. The heater now should be blowing hot/warm air. Remove clamp from radiator hose. The heater should continue to blow hot/warm air. This procedure may have to be repeated a few times to remove air from system. Allow vehicle to cool, restart the vehicle and run up to operating temperature, recheck

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heater operation. Please note heater output will be limited at idle, all testing should be done at a fast idle.

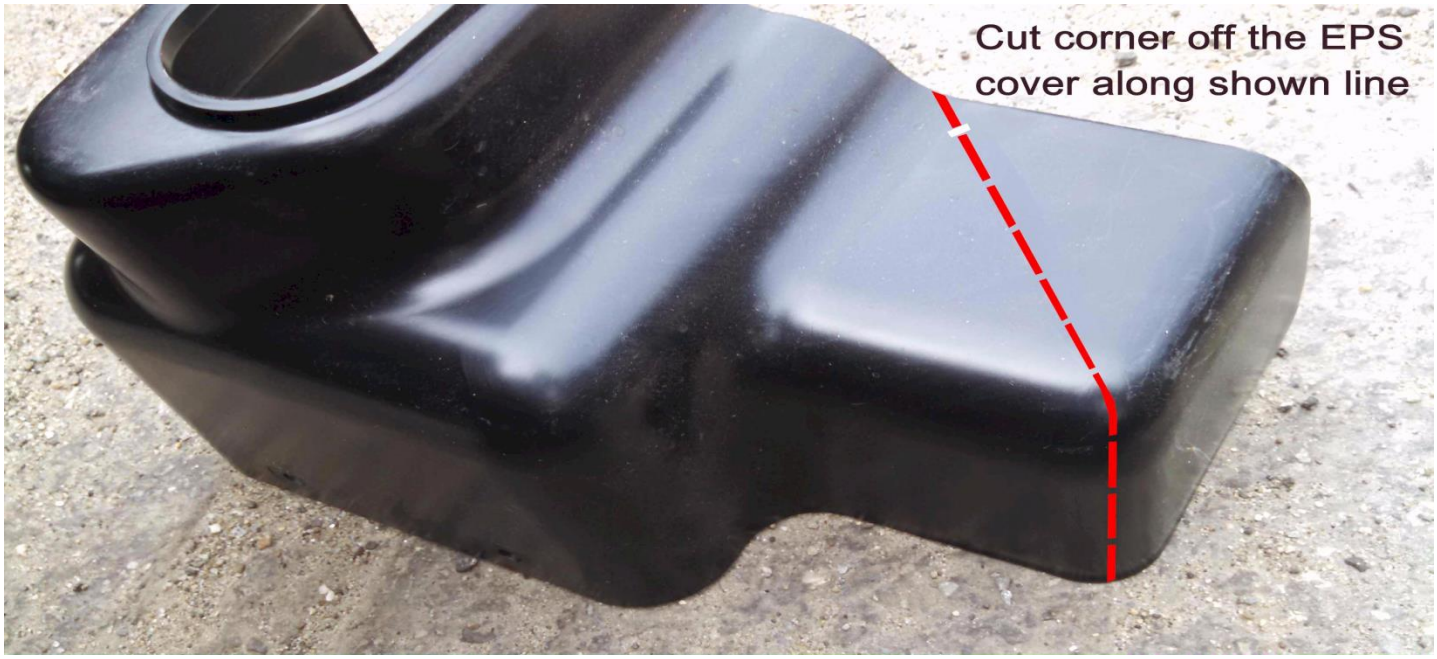

Figure 1

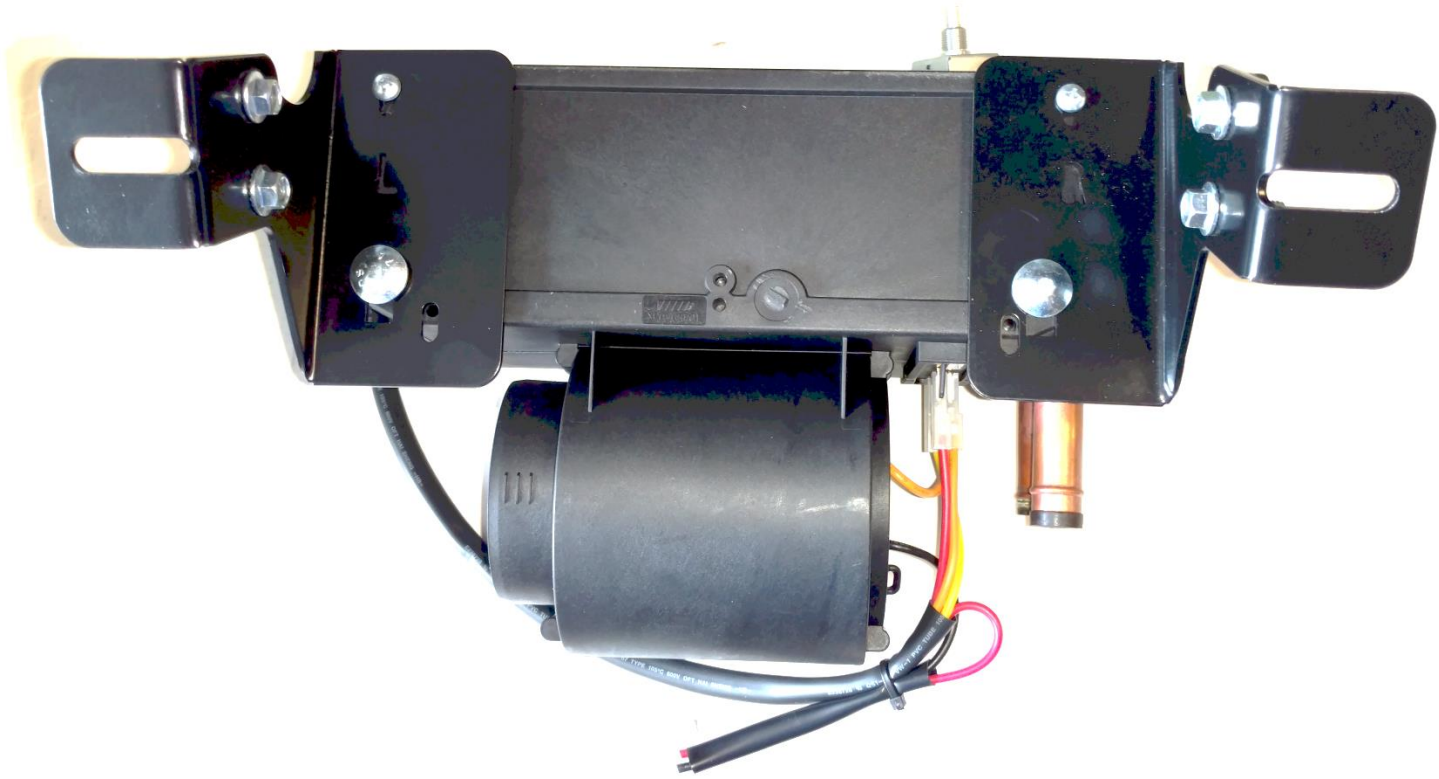

Figure 2

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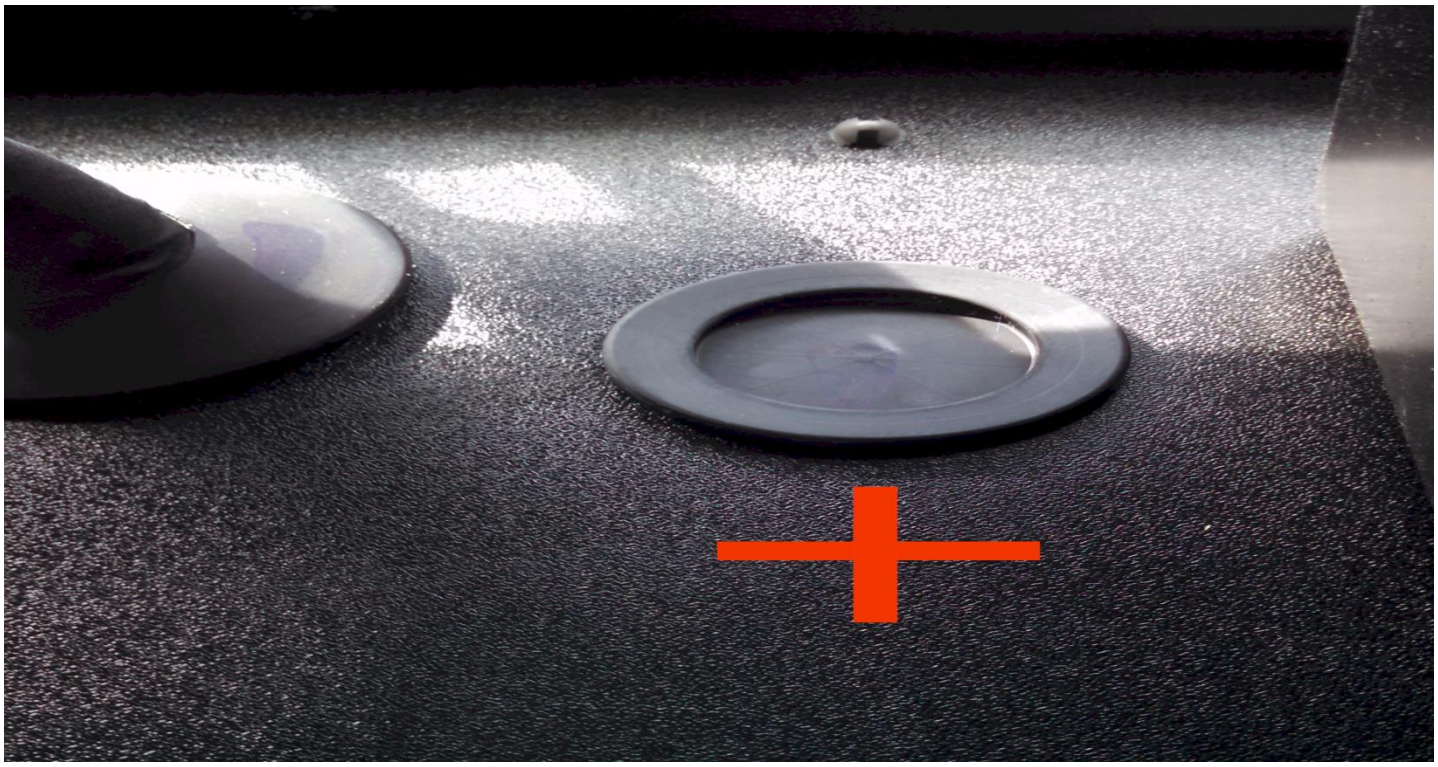

Figure 3

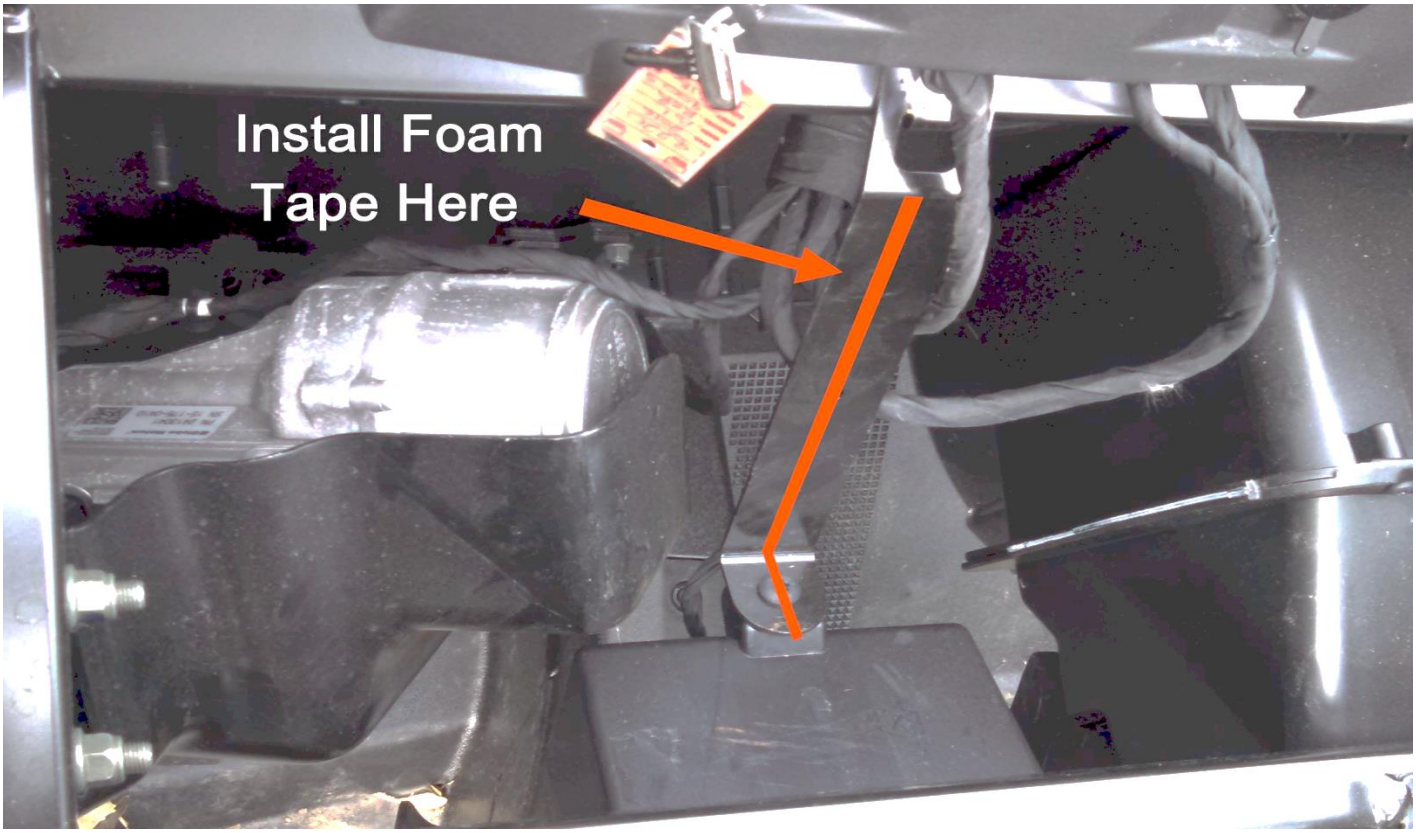

Figure 4

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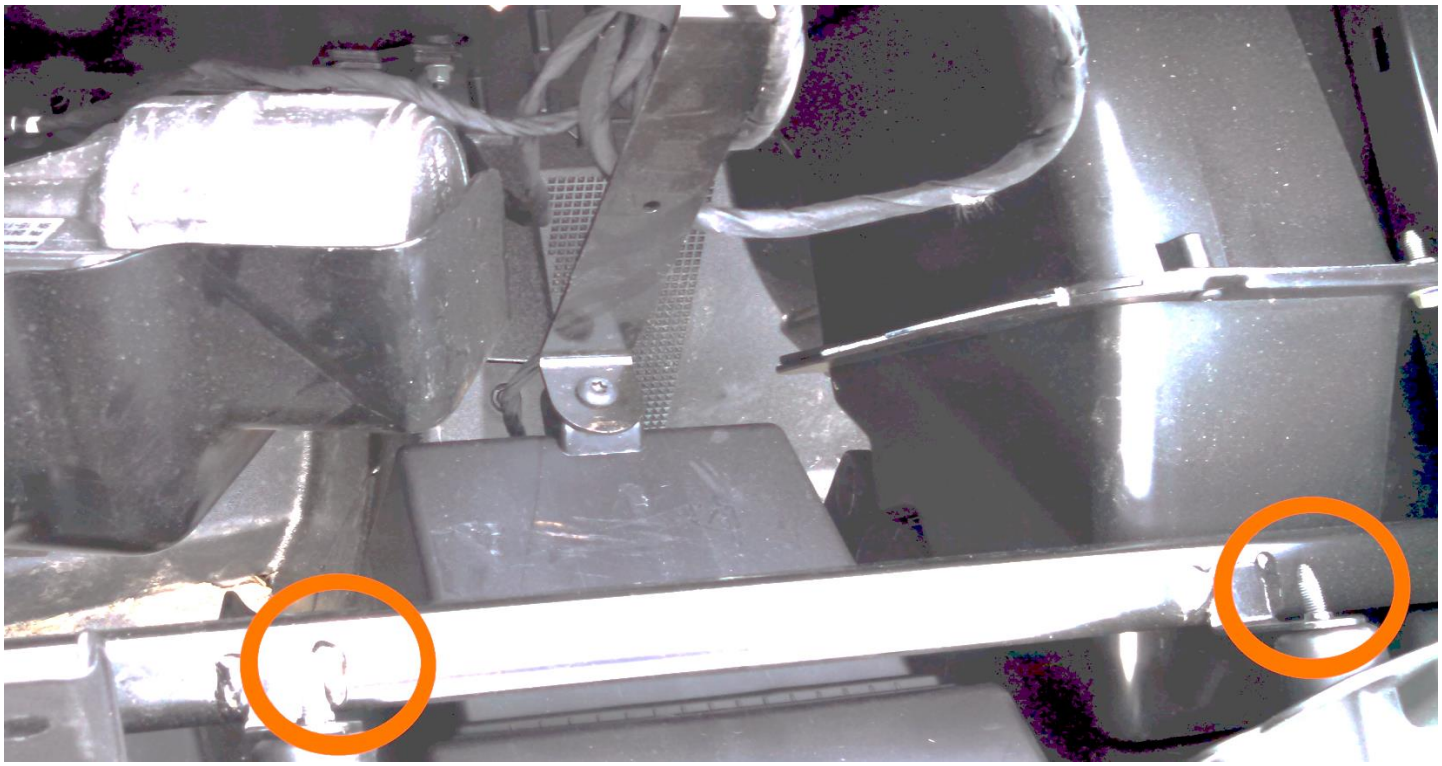


Figure 5

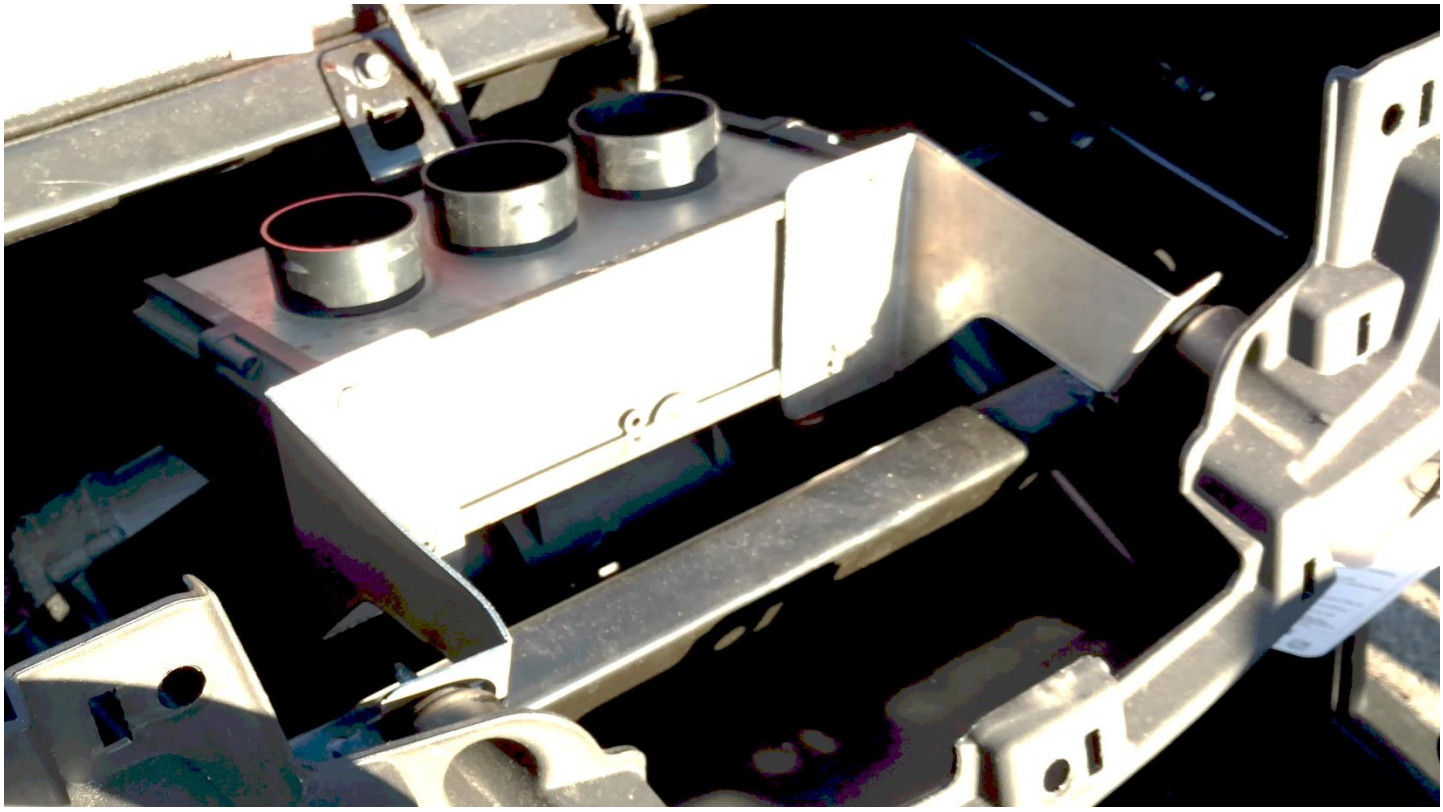


Figure 6

XP 1000 Polaris Ice Crusher Under dash Heater

Figure 7a

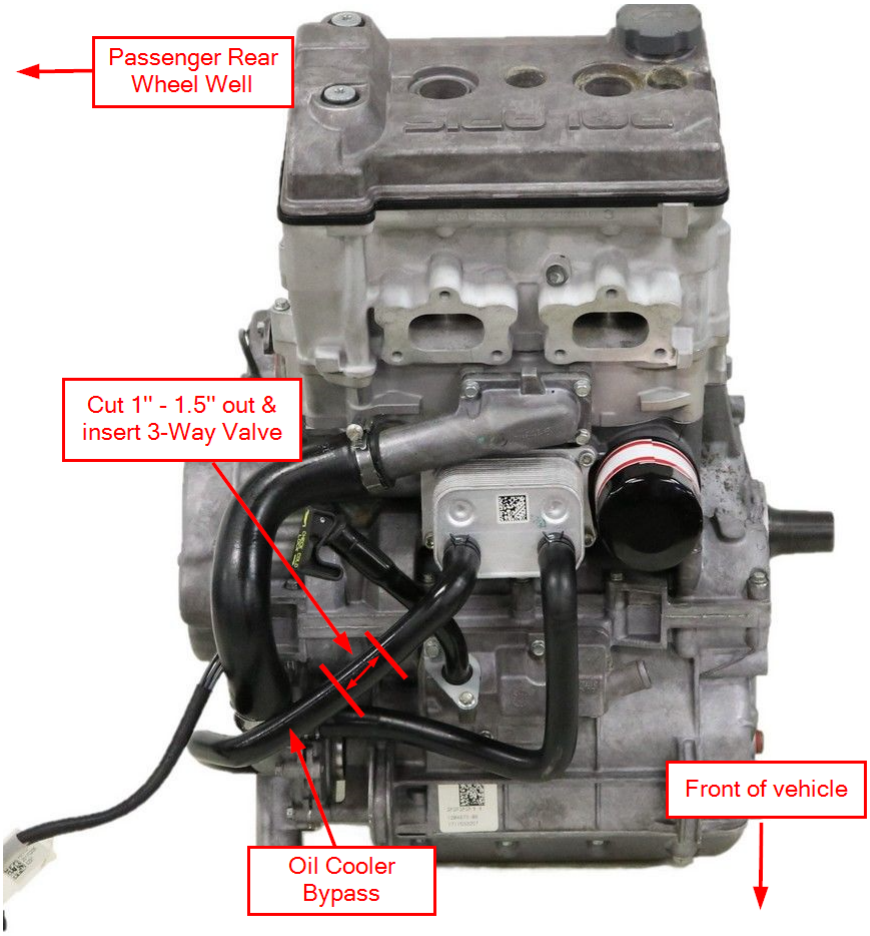


Figure 7b

XP 1000 Polaris Ice Crusher Under dash Heater

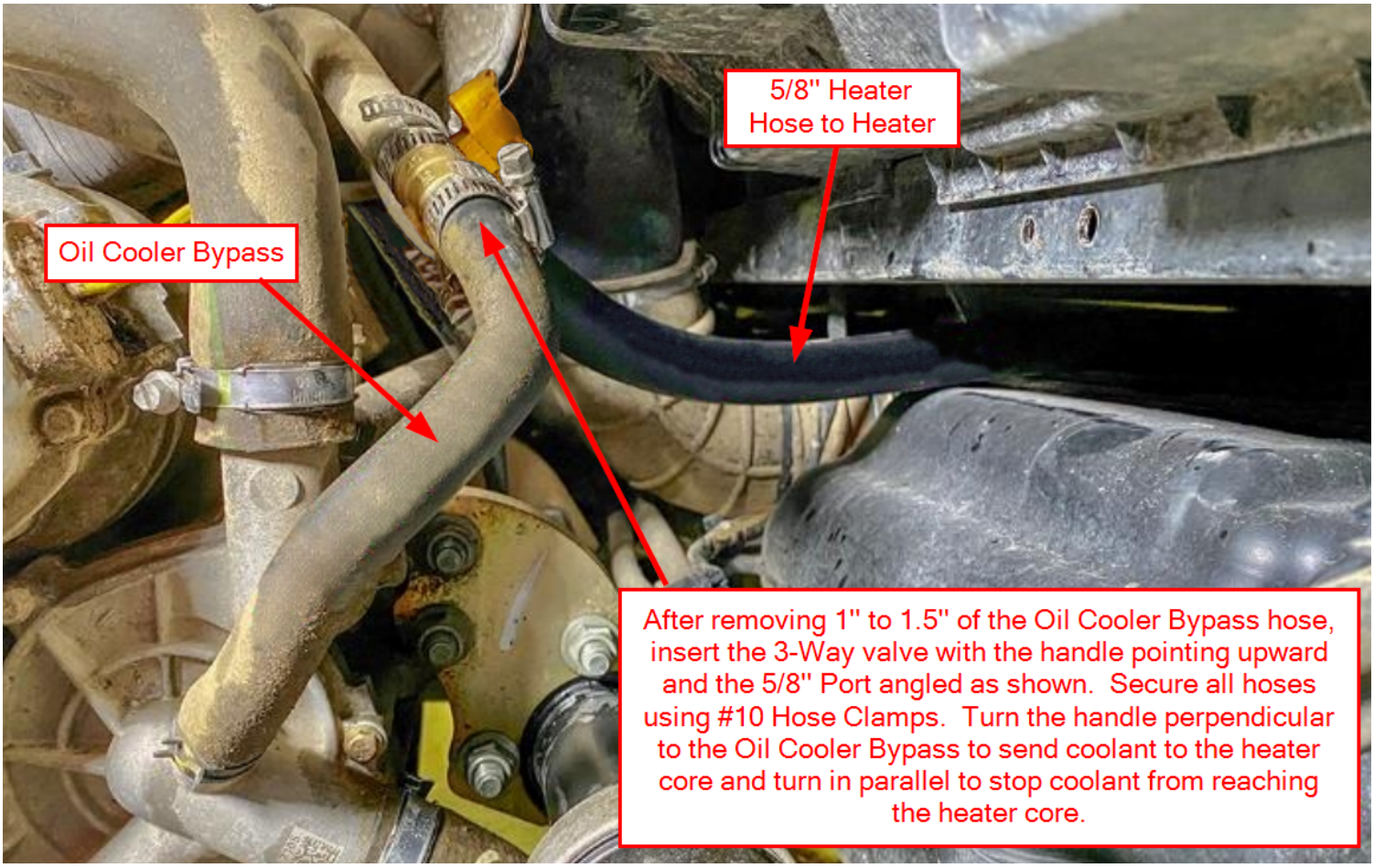


Figure 8

Figure 9

WINTER MODE

SUMMER MODE

XP 1000 Polaris Ice Crusher Under dash Heater

Figure 9

Figure 10

XP 1000 Polaris Ice Crusher Under dash Heater

Figure 11

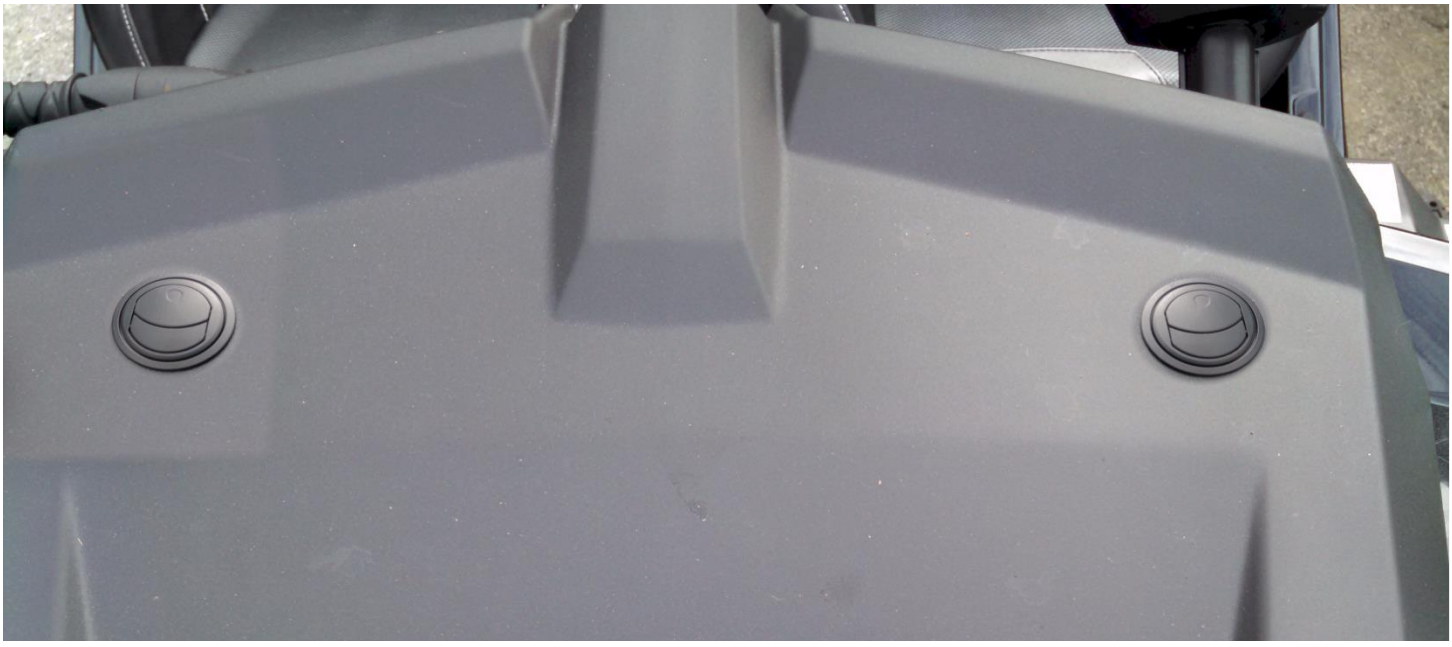


Figure 12a

XP 1000 Polaris Ice Crusher Under dash Heater

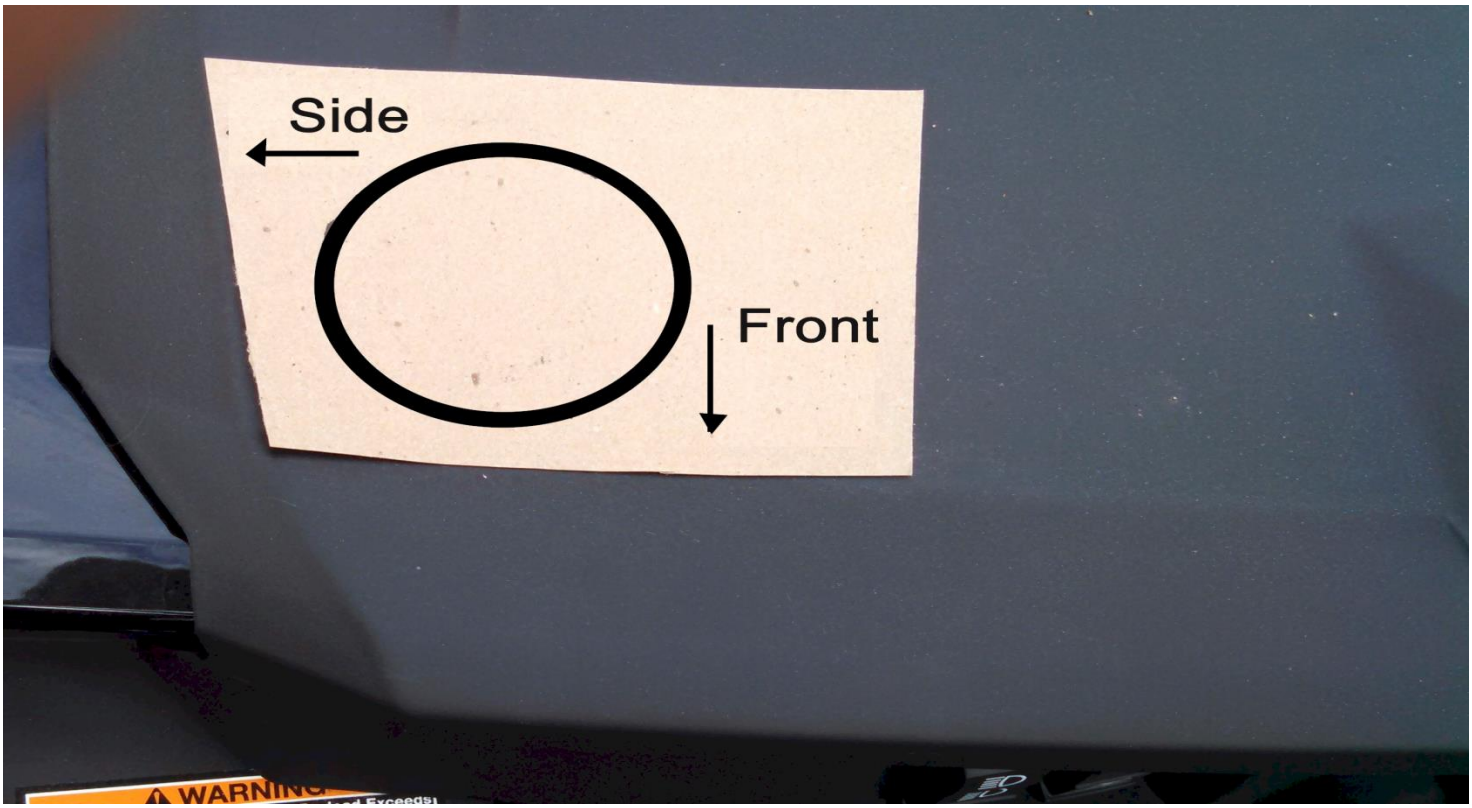


Figure 12b

Figure 13

XP 1000 Polaris Ice Crusher Under dash Heater

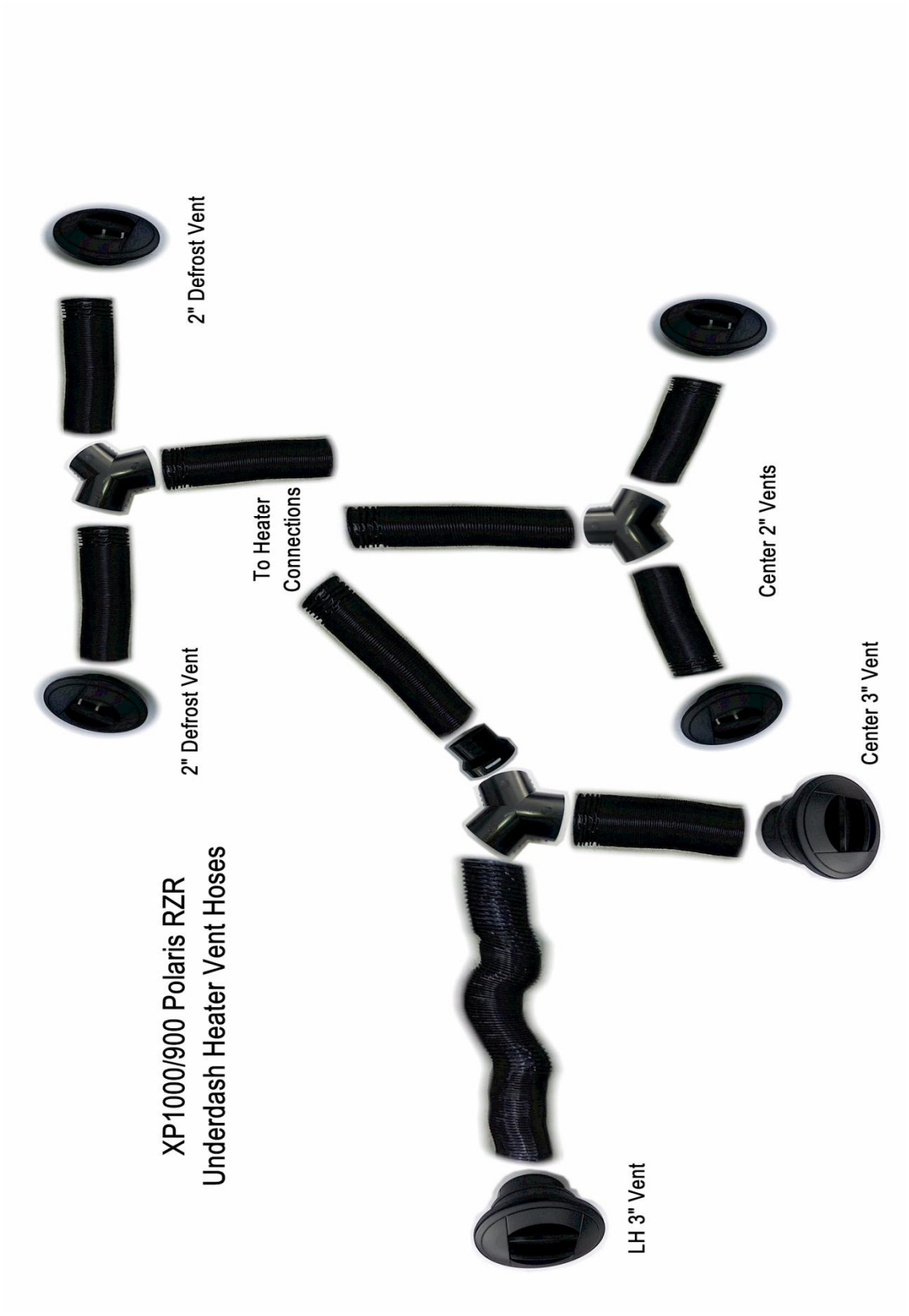


Figure 14

XP 1000 Polaris Ice Crusher Under dash Heater

HEATER WARRANTY – utvheaters.com and coupersproducts.com

***Couper's Products/UTV Heaters.com Heater Warranty. 3 Year/36 Month Limited Warranty**

Couper's Products warrants your 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 except electrical components including but not limited to, motor, switch, wiring and resistor. Electrical components are warranted to be free from defects in material and craftsmanship under normal use and service by the original consumer purchaser for a period of One (1) year from the date of purchase. 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.

Couper's Products obligation under this warranty are limited to repair of the product at Couper's Products production facility, or the replacement of the product at Couper's Products option and at Couper's Products 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 Couper's Products customer must contact Couper's Products customer service, (802) 294 0016, and obtain a Return Authorization Number. This number must be marked on exterior of carton for easy identification. Warranty product received at Couper's Products 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 included. Couper's Products will not be liable for any damages sustained in transport due to improper packaging or handling. The acceptance by Couper's Products of any product returned shall not be deemed as an admission that the product is defective or in any violation of any warranty.

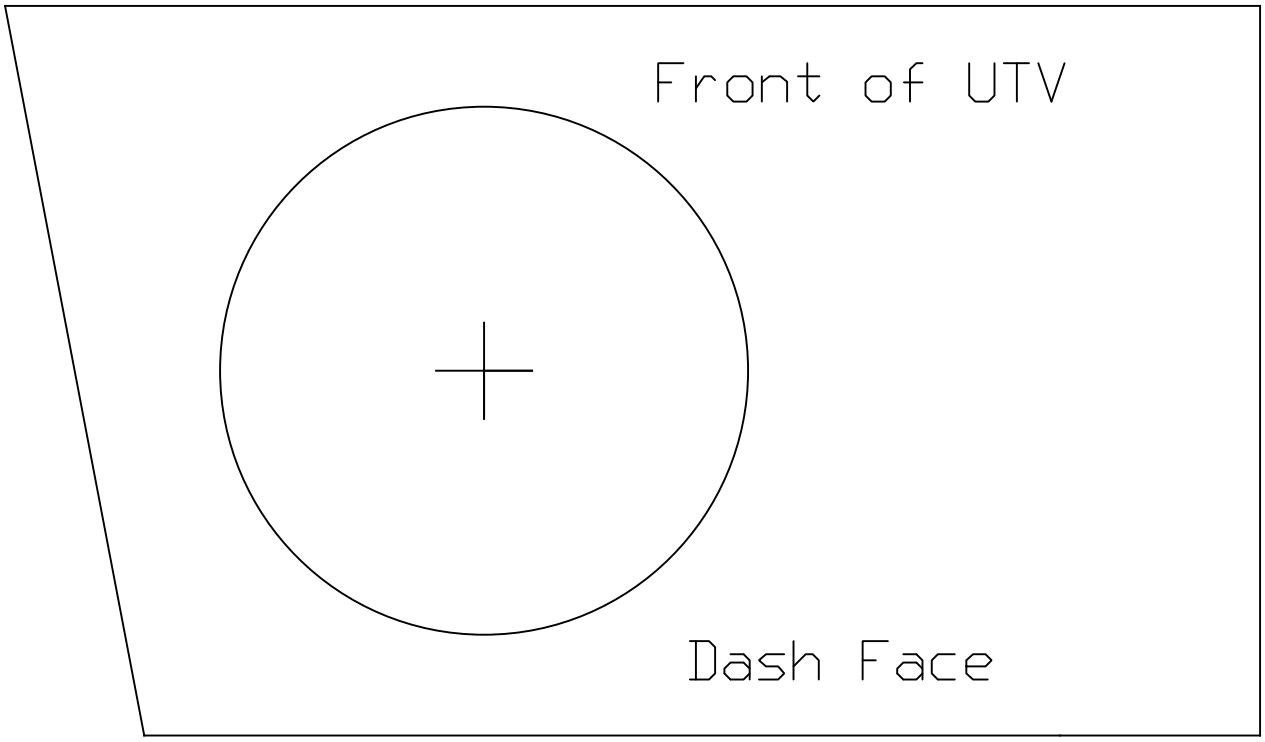
This warranty is Couper's Products only express warranty of this product. We reserve the right to make changes to products and policy that are in the best interest of Couper's Products. No implied warranty shall extend beyond One (1) or Three (3) year period from the date of the original consumer (end 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
23001 Industrial Blvd
Rogers, MN, 55374
888-964-0135

Cut out template and fit to dash on LH side as shown in Fig 12b. Mark hole centers. Use 55mm hole saw to cut holes. Fip over template to mark out vent location on RH side.



RZR 1000 Defrost Vent Hole Template as shown in Figure 12b

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.