

Polaris 500 midsize 2017-Current
 Polaris 570 midsize 2015-Current

15 + Polaris Ranger Midsize Underhood Heater Kit
 ICCH-UH-C-RNGR-M-15

- 1x 55mm Hole Saw
- 1x 3" Hole Saw
- 1x Hole Saw Arbor



- 6x #10 Hose Clamps



- 1x Blower Switch



- 1x 7/16" Washer



- 2x 5/16-18x5" Bolts



- 2x 5/16x18 Nuts



- 2x #10x1/2" Screws



- 4x #8x1/2" Screws



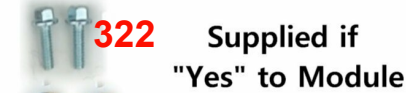
- 2x 5/16x1" Self Drilling Screws



- 2x #8x1/2" Lath Drill Point Screws



- 2x 1/4-20x1 1/4" Bolt



- 2x 1/4x20 Nuts



- 2x 1/4" Push-Pins



- 2x 5/8"x1/2" Barb Fittings



- 2x EZ-Coil



- 1x 1/4" Eye Terminal



- 1x 5/16" Eye Terminal



- 1x IC-SWBCRED Bezel, Switch Nut and #2 Knob



Standard -14f of 5/8 Heater Hose

Crew -18f of 5/8 Heater Hose



1x Pre-made Power Loom



30x 11" Cable Ties



4x 15" Cable Ties

1041



if "Yes" to Module

1042



Center Vent Brkt

620



1x Heater Unit

1044



Main Heater Brkts

1005P



Plastic Face Plate with Ports

1x 3" Grille and Connector

602



601



507

7" 3" Duct Hose (compressed)

3x 2" Y's



503

2x 3" Vents



502

4x 2" Vents



501



505

34" 2" Duct Hose (compressed)

15+ Polaris Midsize Under Hood Compact Heater Instructions



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 loom plug and loom tie as shown in Figure 1. Cable tie plug to main loom.

Assemble brackets as shown in Figure 2 using the supplied 5/16 x 5 carriage bolts, 5/16 washers, flange nuts and #10x1/2 screws.

Remove factory bolts as shown in Figure 3. Fit heater into position fitting heater brackets under frame supports as shown in Figure 4. Use supplied 5/16 self drilling screws in second hole in heater mounting brackets. Adjust and tighten all mounting bolts.

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

Using supplied heater hose, fold in half, and route cut ends of the heater hoses next to coolant pipes from the engine compartment under seat up to the front of UTV to the heater unit. Slip Ez-coils over heater hoses and connect to heater unit using supplied hose #10 clamps. Shape Ez-coils so heater hoses are not kinked at the heater connections. Make sure all hoses are as far away as possible from driveshaft, steering shaft and sharp areas etc. Make sure the heater hoses are not kinked in any way. Use cable ties as necessary to secure hoses.

Locate water pump bypass coolant hose as shown in Figure 5 and 6. Cut hose approx. at center of hose. Install one 1/2"x 5/8" hose connector into each end of water pump bypass coolant hose. Cut heater hose to length. Fit hose and #10 hose clamps to hose connectors and tighten clamps

15+ Polaris Midsize Under Hood Compact Heater Instructions

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. Aftermarket accessories may also change the needed position of holes and vents.

Place center vent bracket into under dash cubby as shown in Figure 7a. Mark and drill two 1/8" holes into dash plastic as shown in Figure 7a. Mark and drill two 1/4" holes as shown in Figure 7b. Using supplied 54mm hole saw, drill a hole in back of cubby approx. where the large X is located and a 1/2" hole where the small x is located as shown in Figure 8.

Fit 3" 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 duct hose to 3" Vents and 2" Y as shown in Figure 9. Route 2" duct hose through the 54mm hole in rear of cubby from the heater side of the firewall. Connect the 2" duct hose to the 2" duct Y. **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.

Install the switch into the center vent bracket shown in Figure 10, using 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. Connect the wiring harness to the switch. Pass switch wiring loom through the 1/2" hole drilled in back of the cubby. Connect wiring from switch to the heater wiring.

Using supplied terminals and blue wire make up power loom ends. Route the blue wire from heater to the power connection block as shown in Figure 12, Connect the blue wire to "Acc" terminal. Using supplied terminals and black wire make up negative power loom. Route wire from heater and attach to one of the mounting self drilling screws. Reconnect battery, turn key on to check fan operation. Use cable ties as necessary to secure looms.

Fit center vent bracket into place pulling duct hose back through cubby. Attach center vent bracket using supplied #10x1/2" screws into 1/8" holes and push pins through the 1/4" holes.

Using Figure 16 as a guide, run the 2" duct hose from the center vents up to heater unit. Stretch hose as you route the hose to ensure you have enough hose to complete the installation. Cut duct hose to length. Connect duct hose to center outlet of heater unit.

Using supplied 54mm hole saw, drill vent holes as shown in Figure 14 above cup holders on both sides of UTV. **Tip:** Use a knife to remove burrs and chamfer from the drilled holes to help with fitting of the vents.

Using Figure 16 as a guide, connect a length of 2" duct hose between the vents holes. Stretch hose as you route the hose to ensure you have enough hose to complete the installation. Pull 2" duct hoses through the drilled vent holes, attach the 2" vents to the duct hose. Use cable ties around all duct hose connections. Clip Vents into position.

Determine correct position to install 2" duct Y in the 2" duct hose, Fit 2" duct hose to remaining outlet of the 2" duct Y 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 15. Using Figure 16 as a guide connect a length of 2" duct hose between the vents holes. Stretch hose as you route the hose to ensure you have enough hose to complete the installation. Pull 2" duct hoses through the drilled vent holes, attach the 2" vents to the duct hose. Use cable ties around all duct hose connections. Clip Vents into position.

15+ Polaris Midsize Under Hood Compact Heater Instructions

Determine correct position to install 2" duct Y in the 2" duct hose, Fit 2" duct hose to remaining outlet of the 2" duct Y then connect duct hose to RH outlet of heater unit.

Refill and bleed 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.

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. Allow vehicle to cool, remove radiator cap, recheck cooling system level and coolant ratio, fill and/or alter coolant ratio as required.

Start and run the vehicle at a fast idle and run up to normal operating temperature. If the heater still fails to blow hot/warm air, temporarily block off the top/inlet radiator hose at the radiator with an appropriate tool/clamp. 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, and recheck cooling system level and coolant ratio, fill and/or alter coolant ratio as required. Restart the vehicle and run up to operating temperature, recheck heater operation. Please note: Heater output will be limited at idle, all testing should be done at a fast idle.

15+ Polaris Midsize Under Hood Compact Heater Instructions

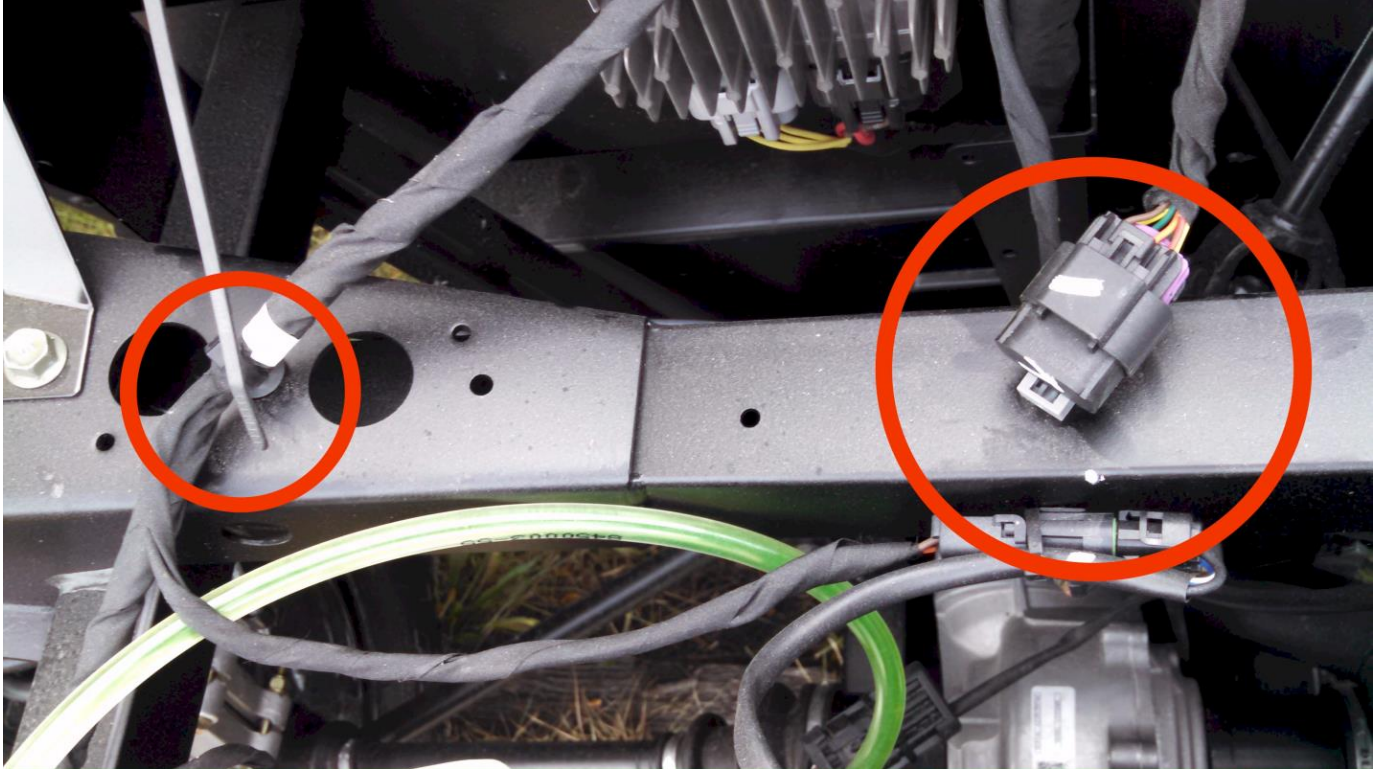


Figure 1

15+ Polaris Midsize Under Hood Compact Heater Instructions

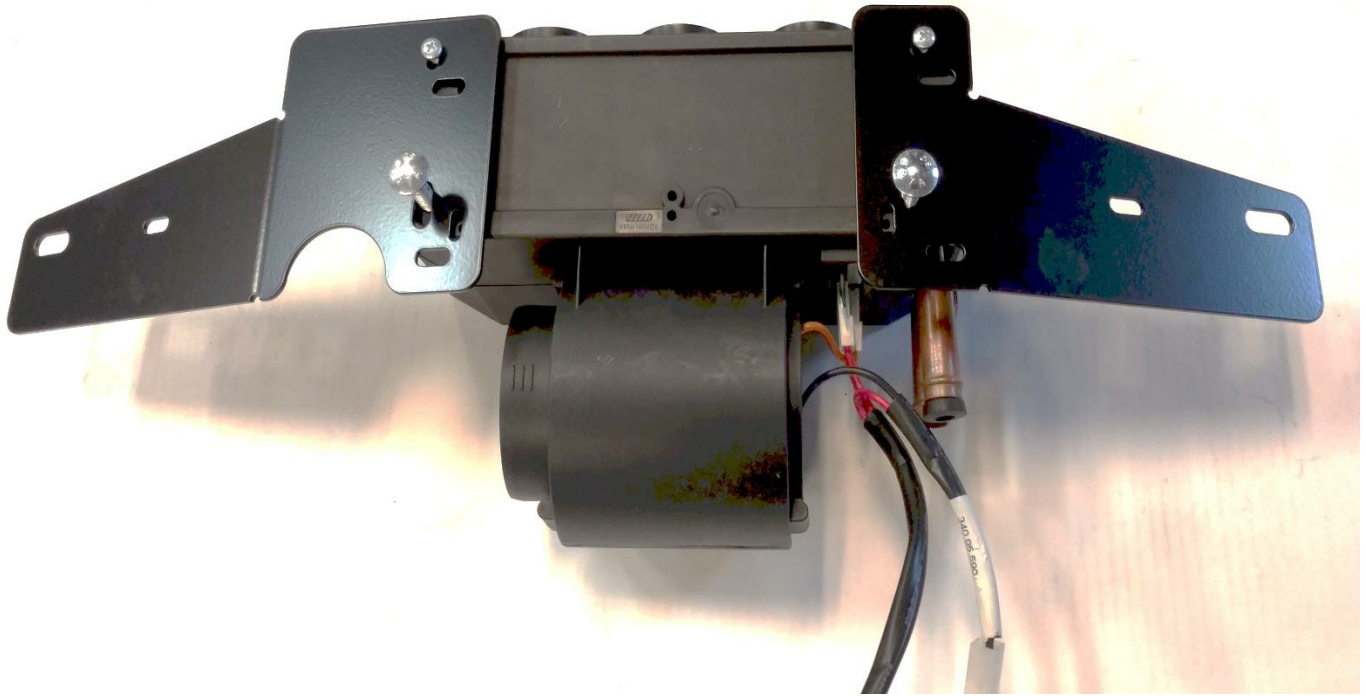


Figure 2

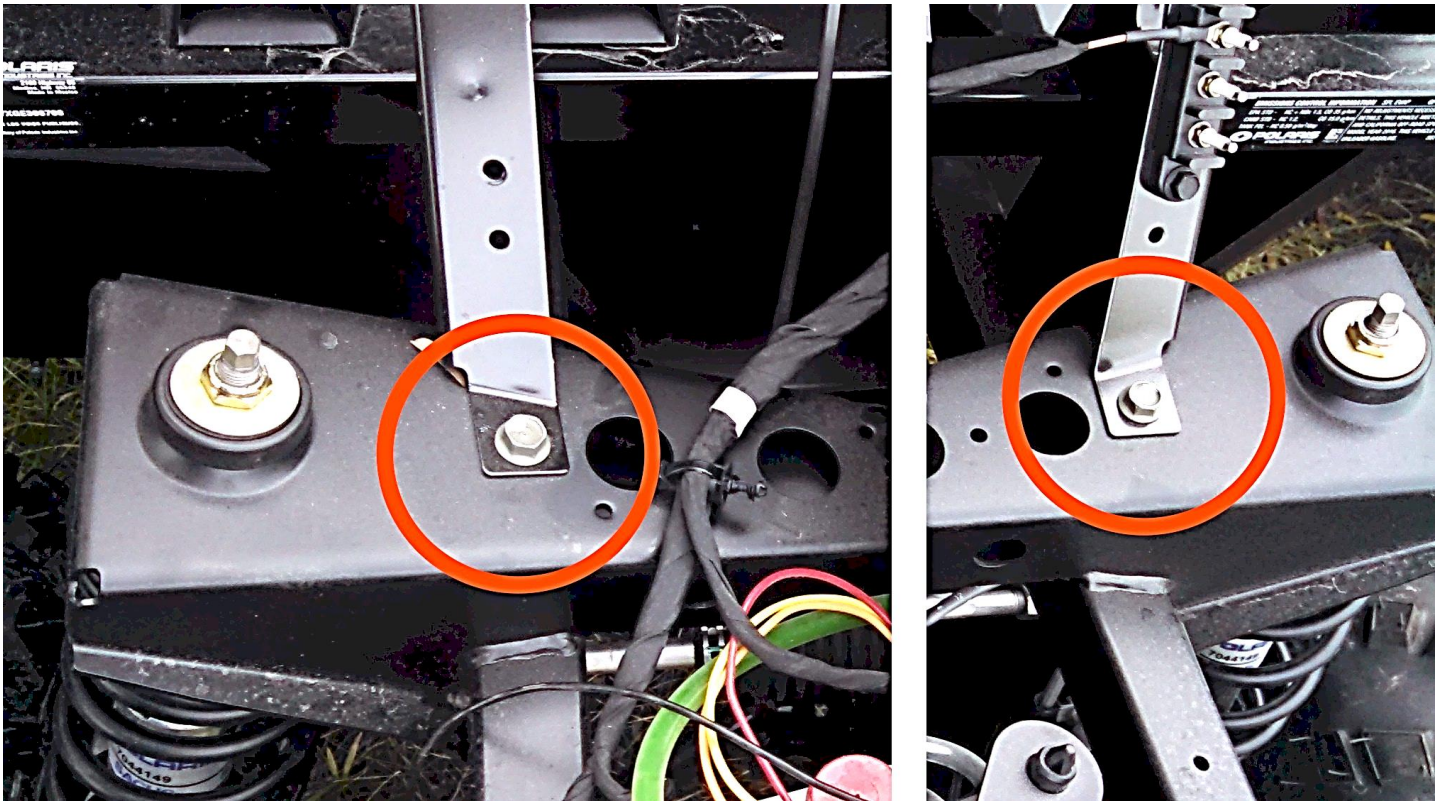


Figure 3

15+ Polaris Midsize Under Hood Compact Heater Instructions

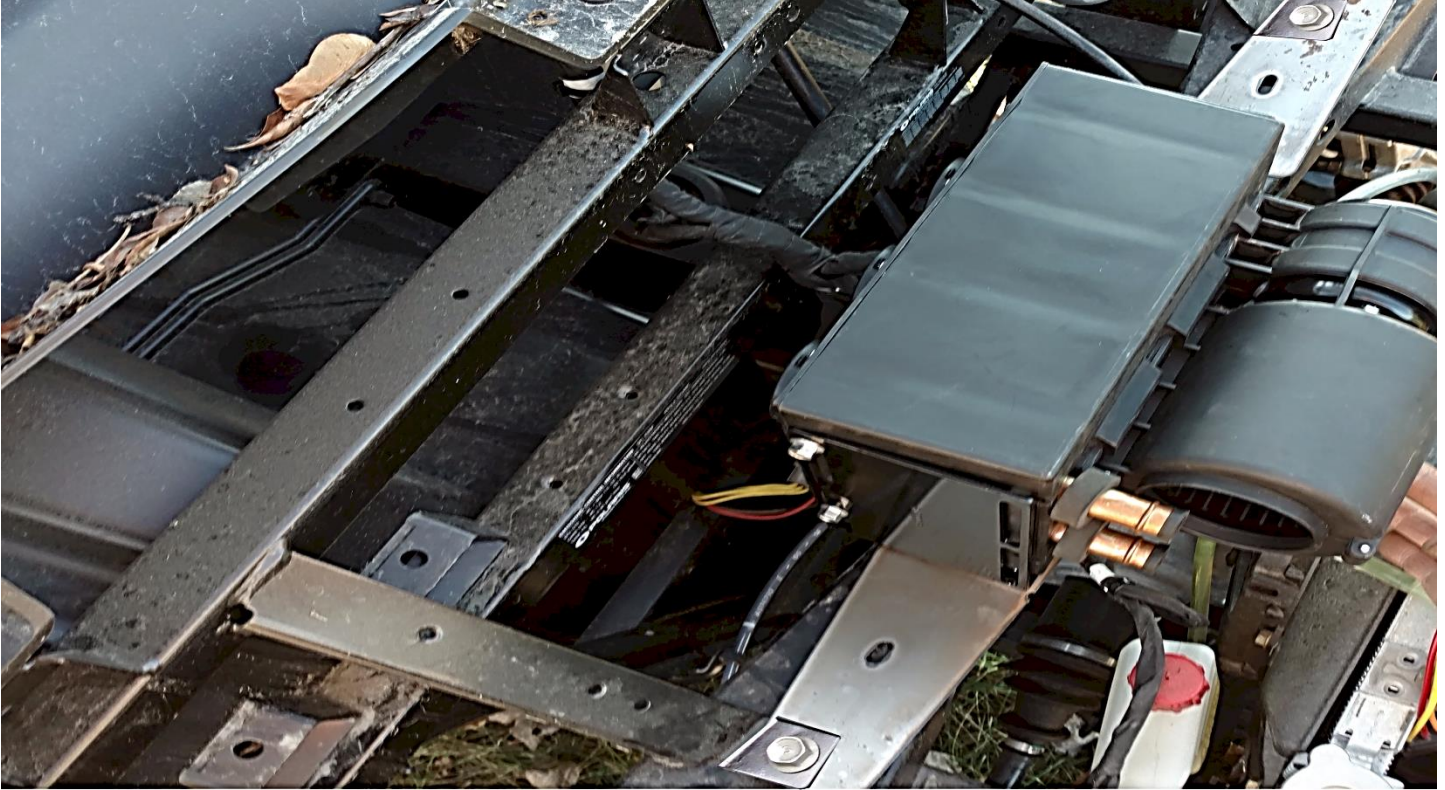


Figure 4

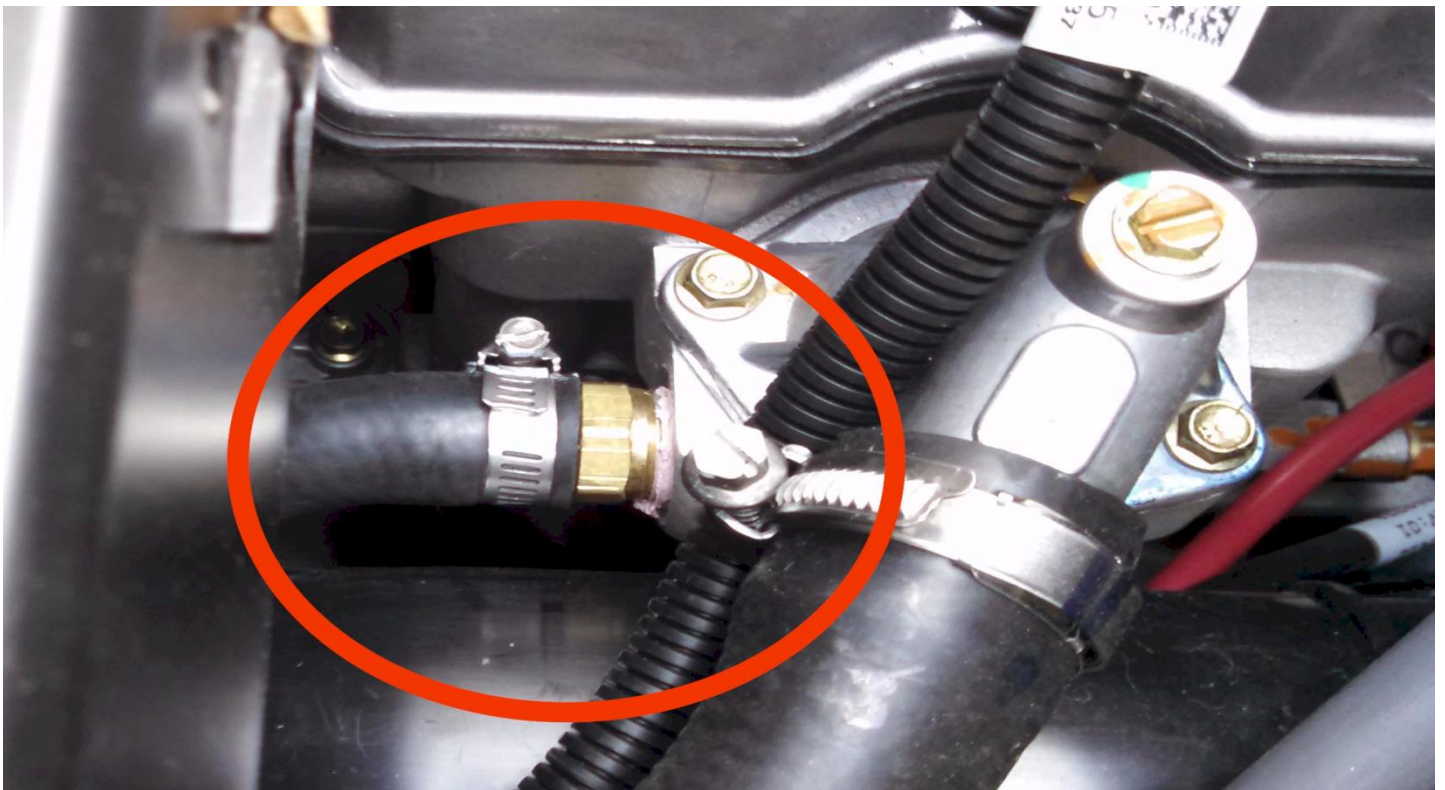


Figure 5

15+ Polaris Midsize Under Hood Compact Heater Instructions

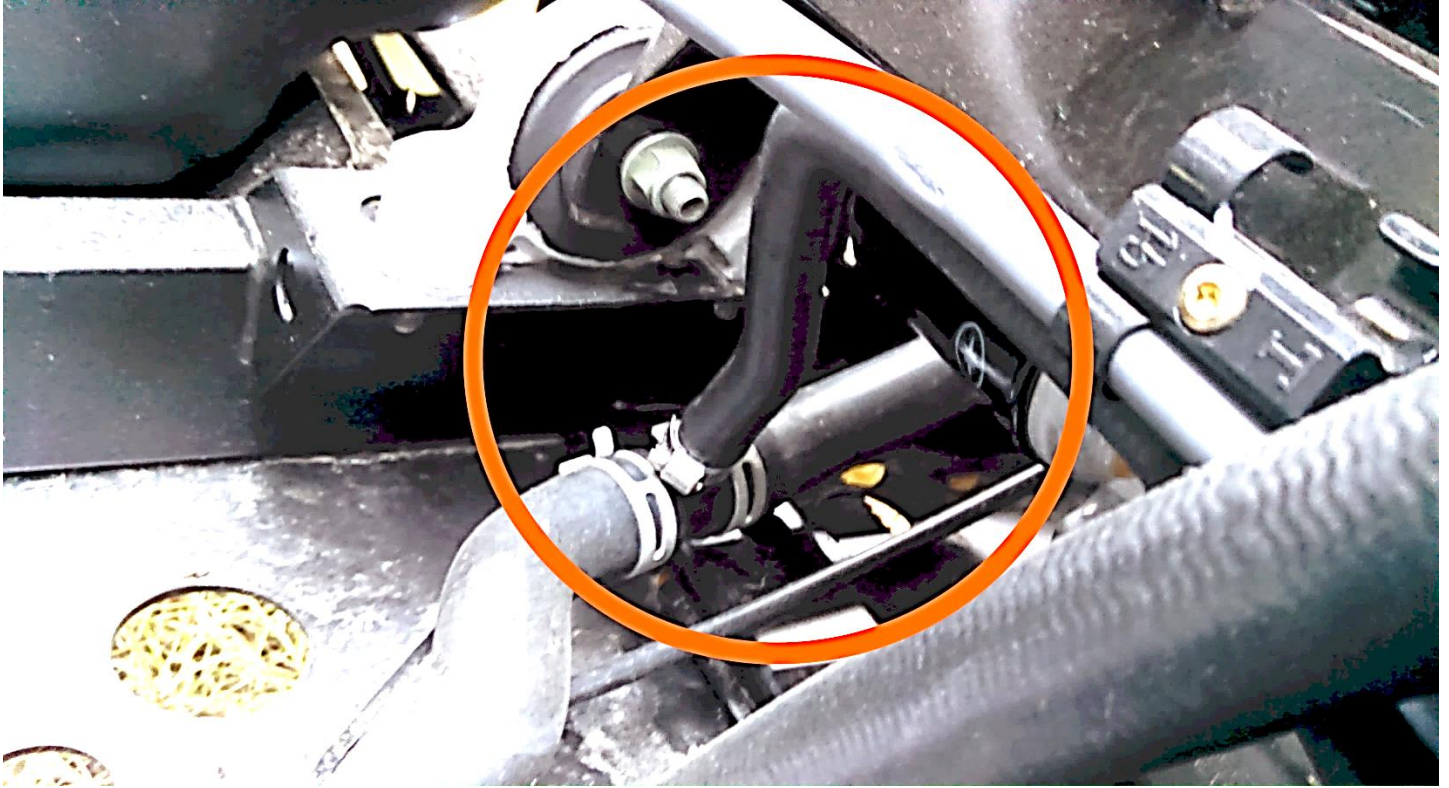


Figure 6



Figure 7a
ICCH-UH-C-RNGR-M-15

15+ Polaris Midsize Under Hood Compact Heater Instructions



Figure 7b



Figure 8

15+ Polaris Midsize Under Hood Compact Heater Instructions



Figure 9



Figure 10

15+ Polaris Midsize Under Hood Compact Heater Instructions

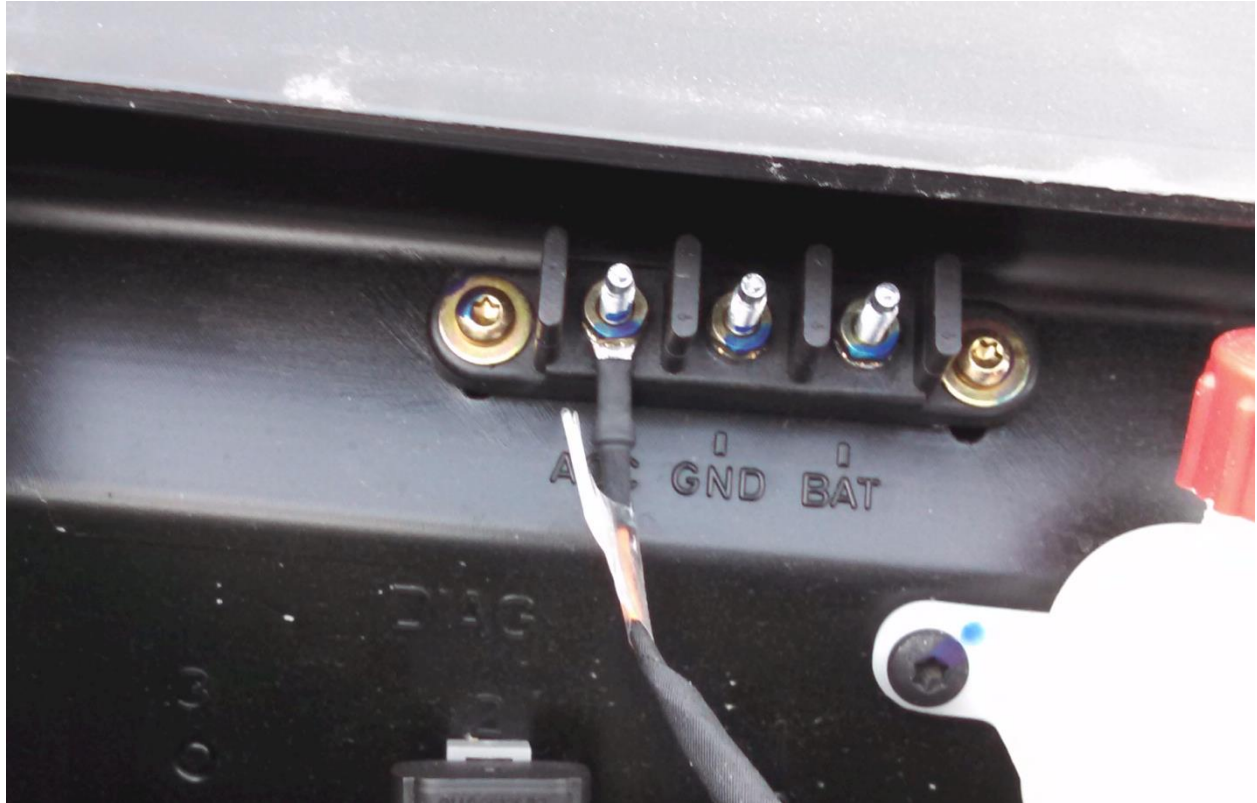


Figure 12

15+ Polaris Midsize Under Hood Compact Heater Instructions

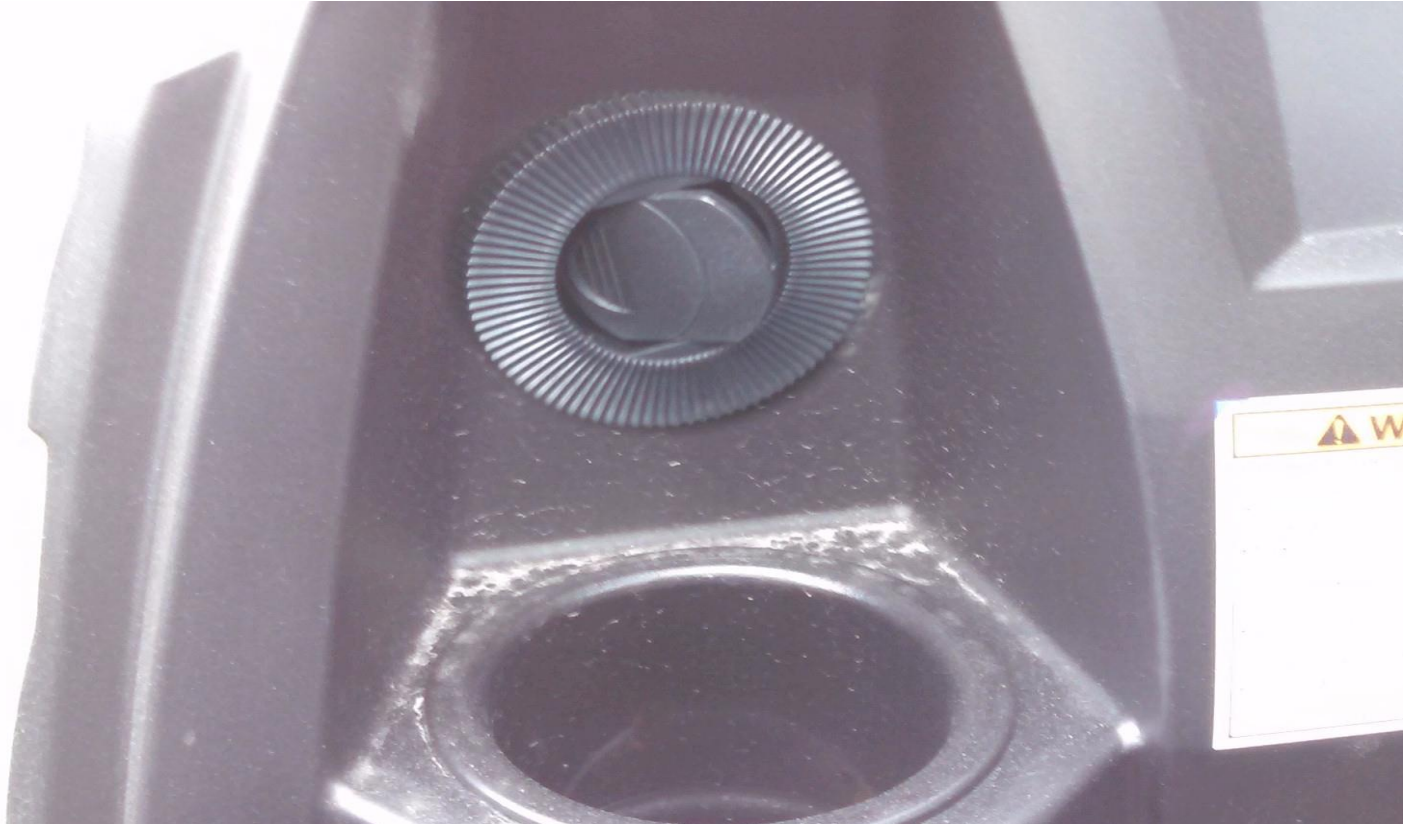


Figure 14



Figure 15

15+ Polaris Midsize Under Hood Compact Heater Instructions

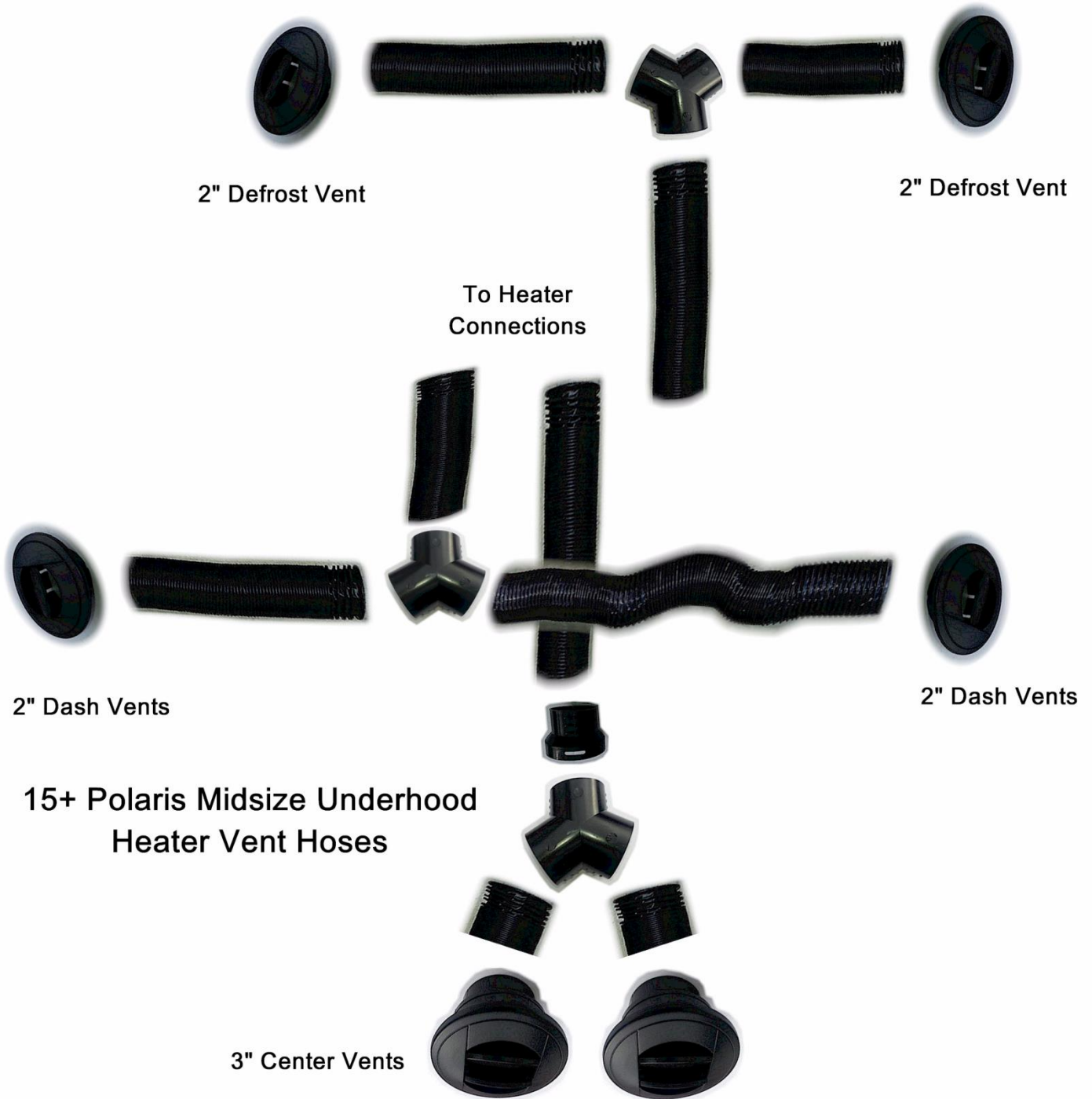


Figure 16

15+ Polaris Midsize Under Hood Compact Heater Instructions

*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

15+ Polaris Midsize Under Hood Compact Heater Instructions

Air Intake Kit

Using the 3" intake grille choose a suitable location for the intake fitting, in the top of the dash cubby or lower dash panel (location will vary dependent on model of UTV). Suggested position for the Midsize shown in Intake Figure 1. Drill intake hole using supplied 3" hole saw. Fit 3" fitting and secure using four of supplied #8 x 1/2" screws. Clip into place 3" intake grille. Route the 3" duct hose from 3" intake grille fitting to Intake connector on heater. Stretch hose as you route the hose to ensure you have enough hose to complete the installation. Use the supplied 15" cable tie around the duct hose connection. Attach 3" duct hoses to the Intake connector on heater. Use the supplied 15" cable tie around the intake duct hose connection.



Intake Figure 1

15+ Polaris Midsize Under Hood Compact Heater Instructions

Amendment



Please Note: If your UTV has this module use supplied plate to lower the module on the frame. Remove Module, fit supplied mounting plate to the frame using factory bolts and holes in frame. Fit the Module on the mounting plate in the lower holes of plate. Attach with the supplied $\frac{1}{4}$ x 1 1/2" bolts and nuts.

Cut out template and fit to dash as shown in Fig 15.
Mark hole centers. Use 55mm hole saw to cut holes

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.

