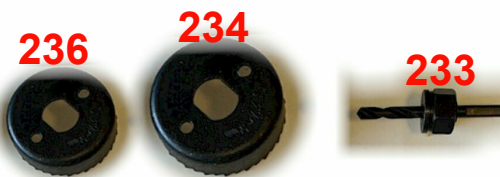


# 17+Honda Pioneer 500 Heater Kit

ICCH-UH-C-HONP500-17

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



- 1x Blower Switch



- 10x #10 Hose Clamps



- 1x 7/16" Washer



- 3x #10x3/4 Self Drilling Screws



- 4x #8x1/2 Screws



- 2x 5/16-18x5" Bolts



- 2x 5/16x18 Nuts



- 1x 1/4" Eye Terminal
- 1x Quick Connectors



3f of 5/8 Heater Hose

- 1x Pre-made Power Loom



- 19mm MaxStat

- 2x 3/4x5/8" Y Fitting



- 2x 5/8" Barb Fittings



- 1x 5/8 Shut Off Valve



30x 11" Cable Ties

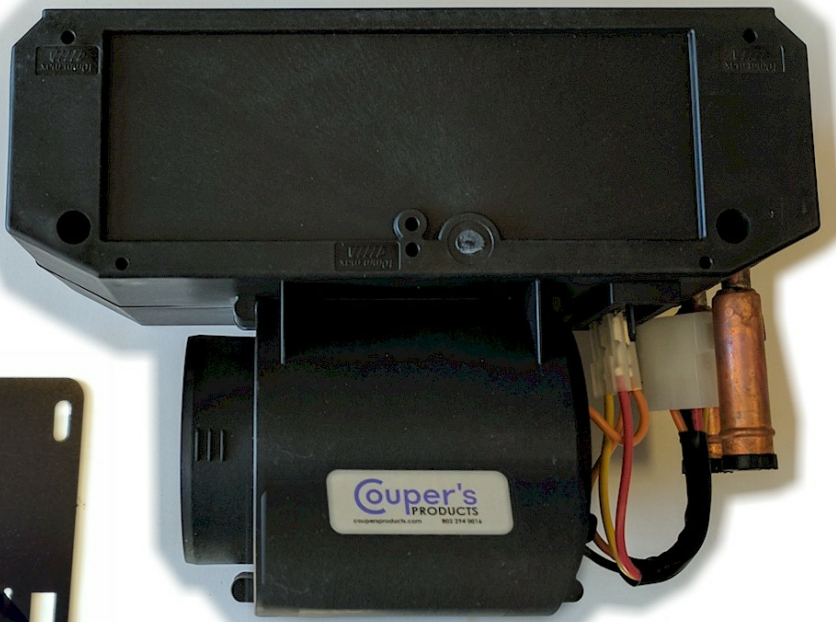


2x 15" Cable Ties

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

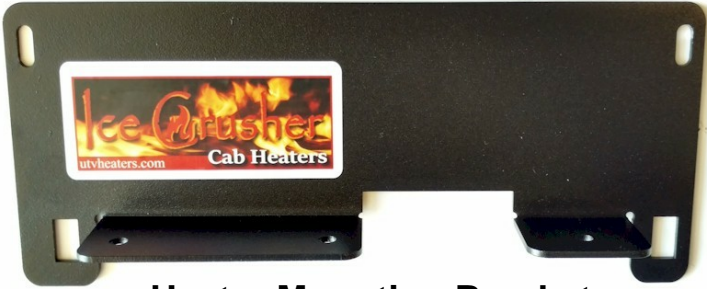


620



1x Compact Heater Unit

1096



Heater Mounting Bracket

507



7"- 3" Duct Hose  
(compressed )



Plastic Face Plate With Ports 1005

505



18"- 2" Duct Hose  
(compressed )

602

601

1x 3" Grille and  
Connector



2x 3" Vents

502



1x 2" Vents

501





## 17+ Honda Pioneer 500 Center Vent Amendment.



Figure A

**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.

For 17+ Honda Pioneer 500 install supplied 2" vent in center dash as shown in Figure A using supplied 55mm hole saw. This replaces the 3" vent shown in Figure 3a in the **Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instructions**.

## Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.



**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 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.

Remove hood cover as required.

Using supplied intake vent hole template, position template in correct location as shown in Figure 1a and on the template, mark out hole saw center as stated on template, remove template. Carefully drill holes using supplied 3" hole saw as shown in Figure 1a. **Tip:** Use a knife to remove burrs from the



## **Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.**

drilled holes to help with fitting of the vents. Fit 3" intake fitting and secure using four of supplied #8 x 1/2" screws as shown in Figures 1b and 1c. Clip into place 3" intake grille.

Using supplied vent hole templates, position templates in correct locations as shown in Figures 2a – 3a and on the template, mark out hole saw centers as stated on template, remove templates. Carefully drill holes using supplied 3" hole saw as directed on templates. **Note:** Figure 3b is an alternate position for the center group.

Using supplied switch hole template, position template in correct locations as shown in Figure 4 and on the template, mark out hole saw center as stated on template, remove template. Carefully drill holes using supplied 7/16" drill bit as directed on template.

Using supplied heater hose connect hose to the heater fittings without cutting just fold in half. **Please Note:** Be sure to remove factory shipping plugs from heater fittings if so fitted. **Tip:** Use dish soap or a rubber/plastic cleaner on the hoses, hoses fittings and Y connectors to make connecting into hoses easier. Fit 3" duct hose from intake fitting to heater intake fitting as shown in Figure 6. Use the supplied 15" cable tie around the duct hose and heater intake connection.

Move heater into position as shown in Figure 7. Using supplied #10x3/4" self drilling screws attach heater mounting bracket to UTV's frame as shown in Figure 7.

Route the heater switch wiring and switch to drilled mounting hole. Install switch and red bezel then outer bezel (be sure to orientate correctly as shown in Figure 8), 7/16 washers and switch nuts. Tighten nuts and fit knob.

Make up heater power looms with supplied terminals. Route heater power wiring loom to the dash to the Aux. Power plug. Use quick connector to attach to the positive wire of the Aux. Power plug wiring (white/black wire) with the red loom power wire. Attach the black loom power wire to one of the self drilling mounting screws as shown in Figure 9.

Route the 3" intake hose to the intake fitting as shown in Figure 10. Use the supplied 15" cable tie around the duct hose and intake fitting connection. **Note:** Be sure the duct hose does not rub on the steering shaft.

Using Figure 11a as a guide cut duct hoses to length (lengths measured with the duct hose in its compressed state, measure and cut accordingly)

Using Figure 11b as a guide route all the 2" duct hose from the heater to the vent positions, 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 vents to the duct hoses. Use cable ties around all duct hose connections. Clip Vents into position. Attach hose to the heater in the order as shown in Figures 11a and 11b. **Tip:** To attach duct hoses to Y's and/or vents either twist duct hose or vents in a

## Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.

"screw" action. Use cable ties around all duct hose connections. Use supplied 15" cable ties to secure duct hoses to the UTV's frame.

Drain cooling system by removing lower radiator hose. **Important Tip:** If you have the equipment to clamp off the hoses where the Y fitting is to be installed you won't have to drain cooling system this makes installation much easier.

**Please Note:** Before cutting any hose, be sure that the placement of the Y connectors will not interfere with any part of the UTV. Make sure all hoses are as far away as possible from driveshaft, steering shaft, sharp objects and the exhaust system, etc.

Locate the lower radiator hose at the front of the UTV, cut radiator hose as shown in Figure 12a removing approximately a 1" section of the hose. Insert the Y connector exactly in the radiator hose as shown in Figures 12b and 12c. Route the rear heater hoses over to Y fitting in lower radiator hose. Cut heater hose to length, do not connect to Y fitting at this time.

Locate the upper radiator hose (comes from the thermostat housing as shown in 13a) in the engine compartment of the UTV. Cut radiator hose as shown in Figure 13b removing approximately a 1" section of the hose. Insert the Y connector exactly in the radiator hose as shown in Figures 13a and 12c. Cut heater hose to length, do not connect to Y fitting at this time.

**Please Note:** Before connecting the hoses to the Y connectors, take a garden hose and run water through the heater hoses and heater assembly. This will help remove air from the system and stop air locks, **this step must be carried out.** Fit hoses to Y connectors and tighten clamps. Use supplied cable ties as necessary to secure hoses. Install the supplied shutoff valve in the heater hose connected to the top radiator hose.

**Important:** Refill cooling system as per manufacturer's procedure. Open installed heater fill point and top up coolant, refit fill point cap. Reconnect battery.

Start and run the vehicle at a fast idle and run up to normal operating. Check for leaks. Check operation of heater.

Allow vehicle to cool and recheck cooling system level and coolant ratio, fill as required at installed heater fill point, top up coolant, refit fill point cap. 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 at new fill point.

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



**Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.**



**Figure 1a**



**Figure 1b**



**Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.**



**Figure 1c**



**Figure 2a**



## Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.



Figure 2b



Figure 3a



**Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.**



**Figure 3b**



**Figure 4**



# Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction



Figure 5



Figure 6



**Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.**



**Figure 7**



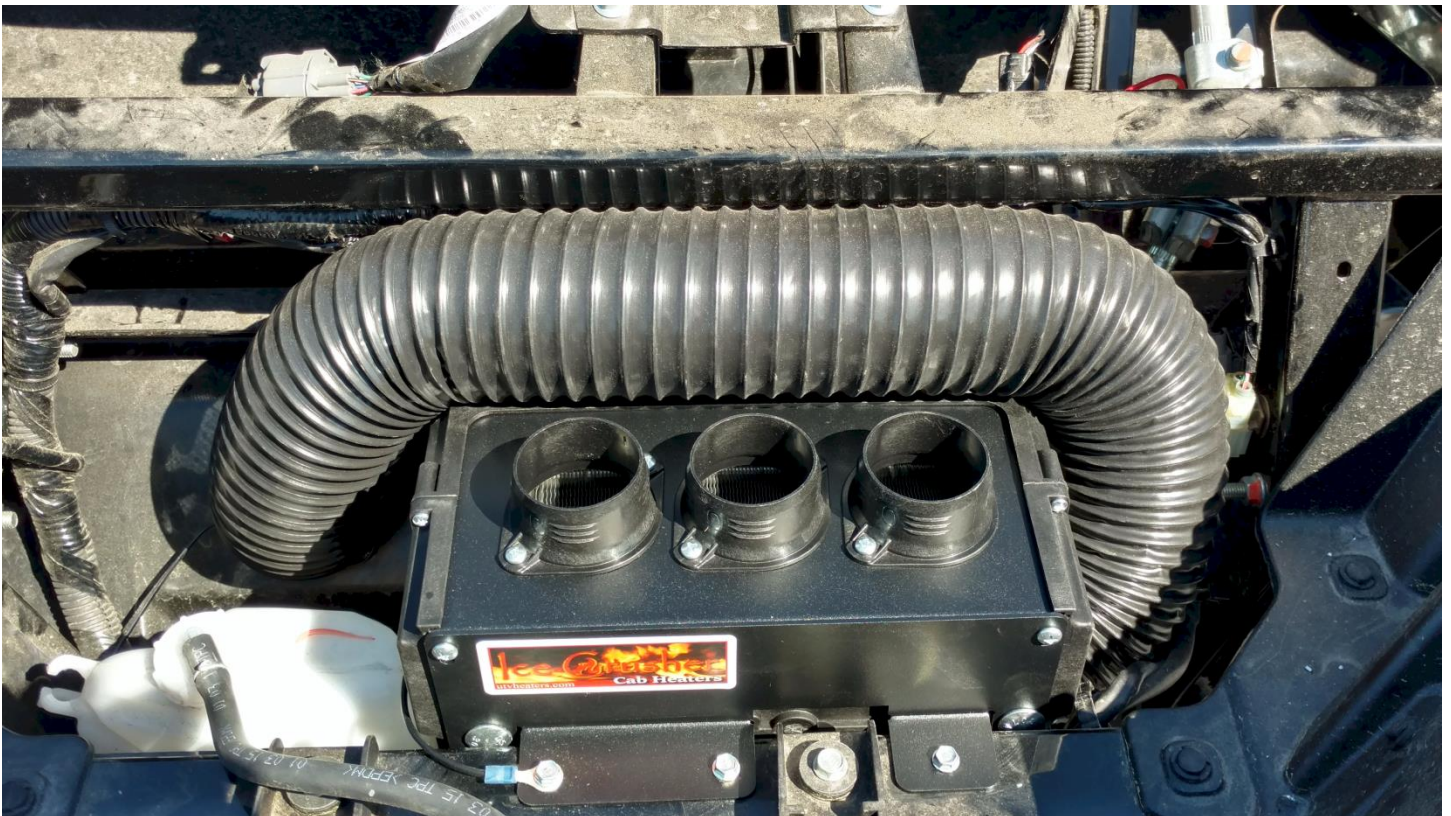
**Figure 8**



**Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.**



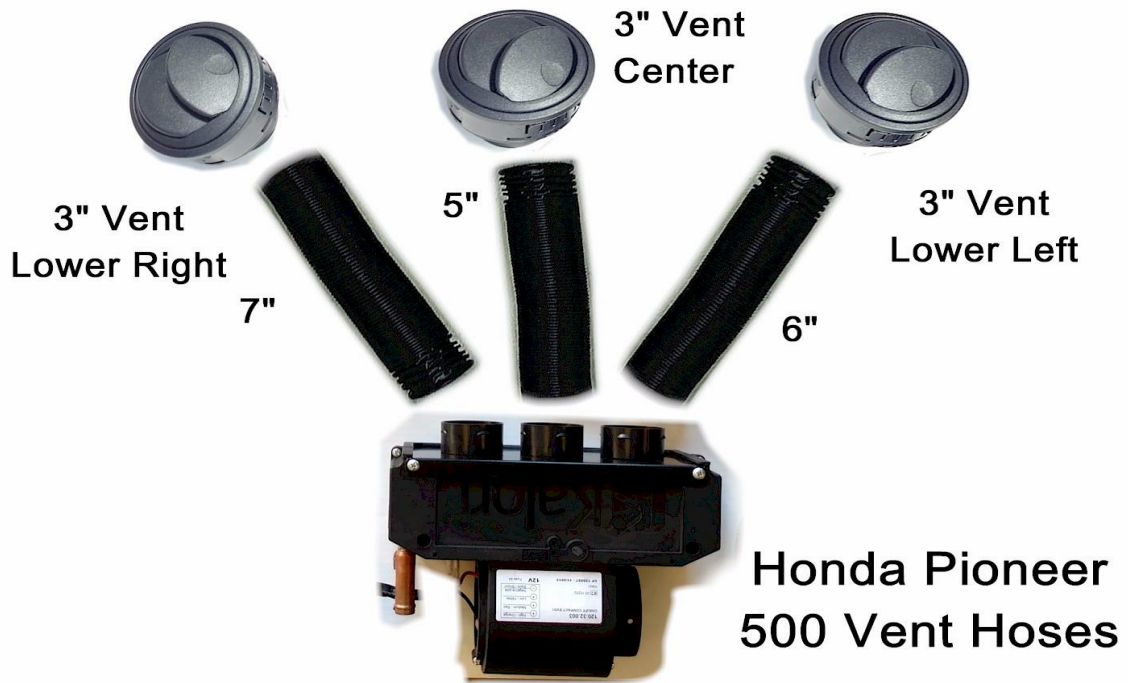
**Figure 9**



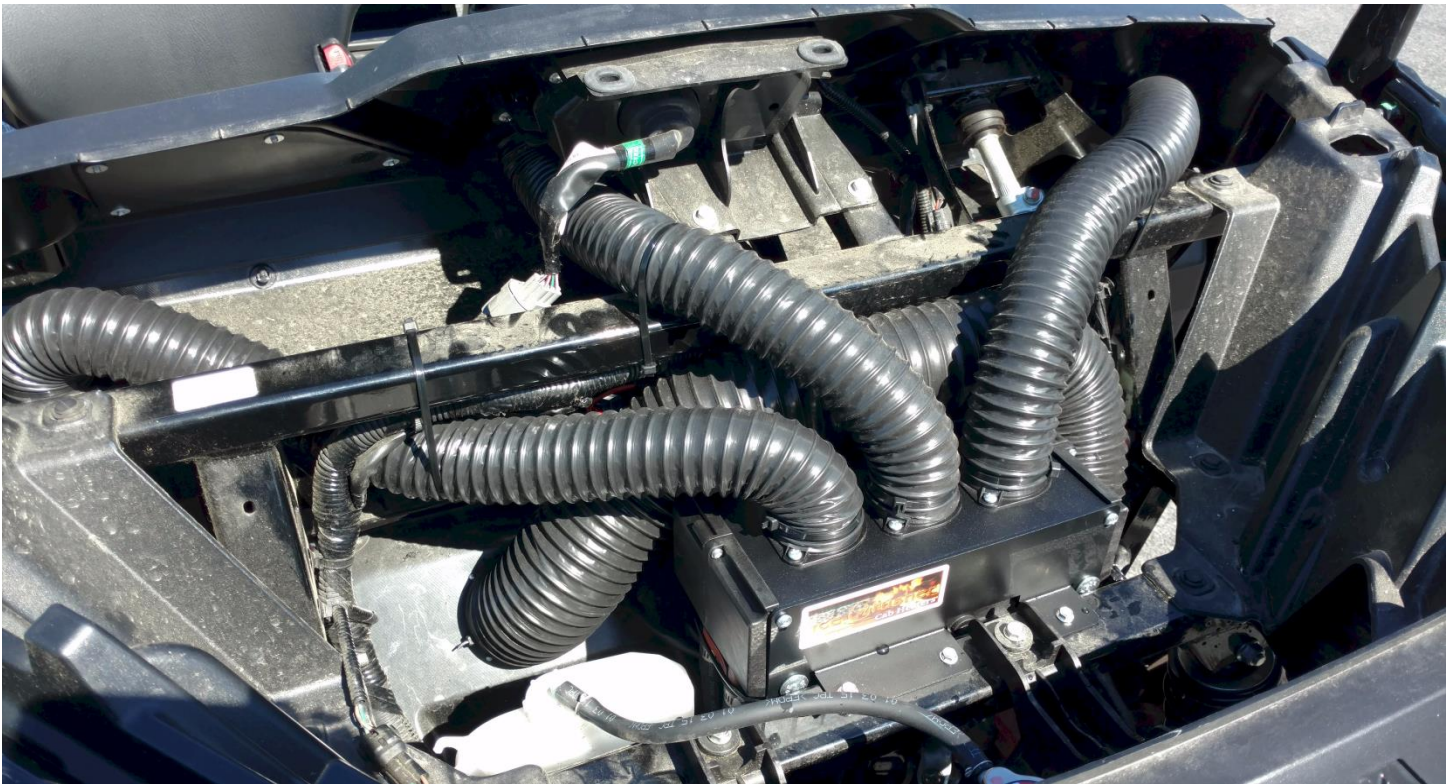
**Figure 10**  
CCH-UH-C-HONP500



**Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.**



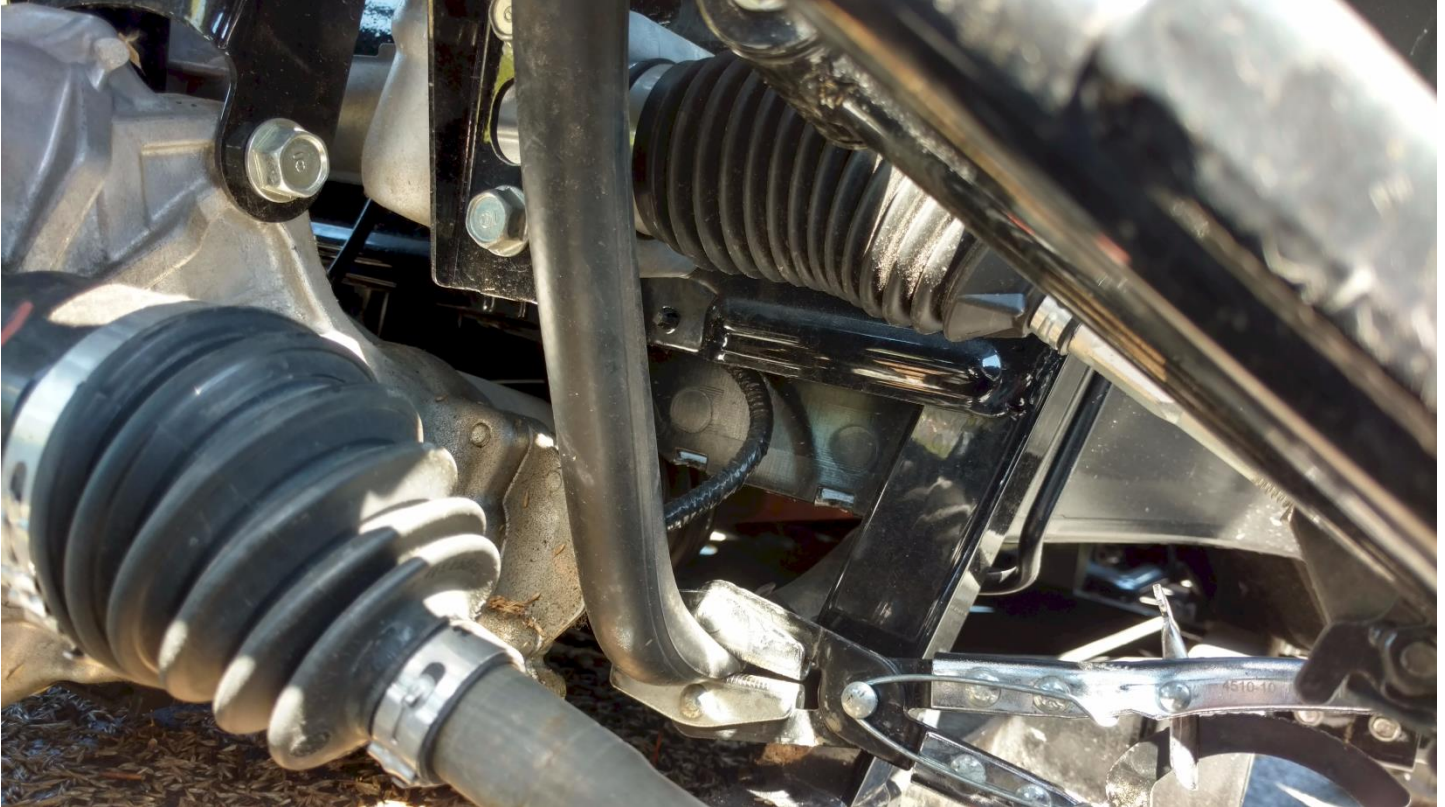
**Figure 11a**



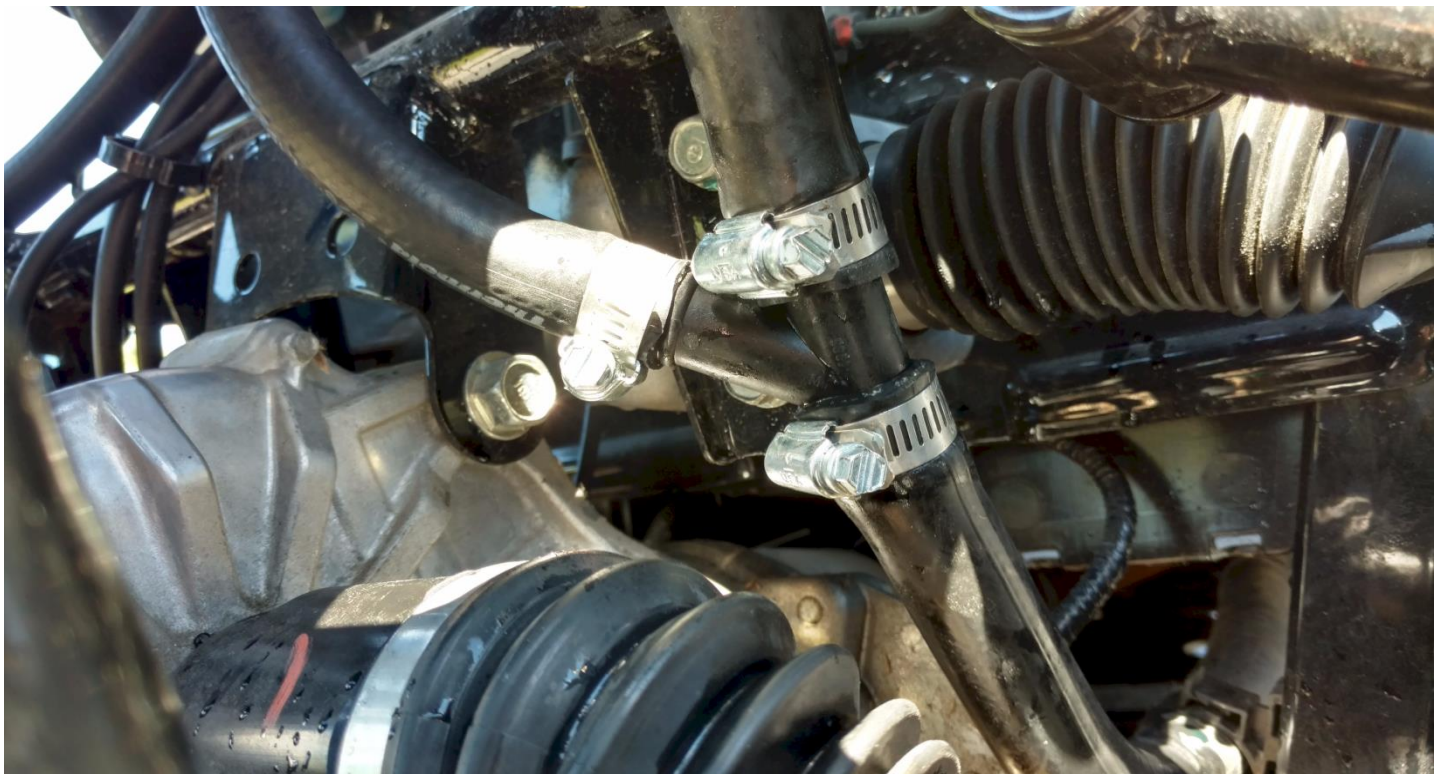
**Figure 11b**



**Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.**



**Figure 12a**



**Figure 12b**



Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.

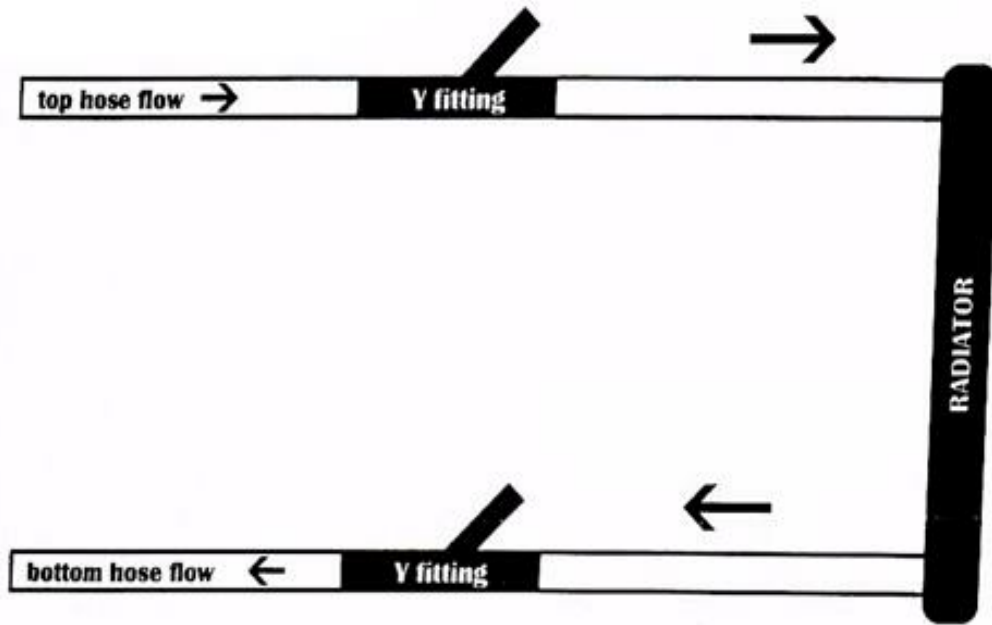


Figure 12c

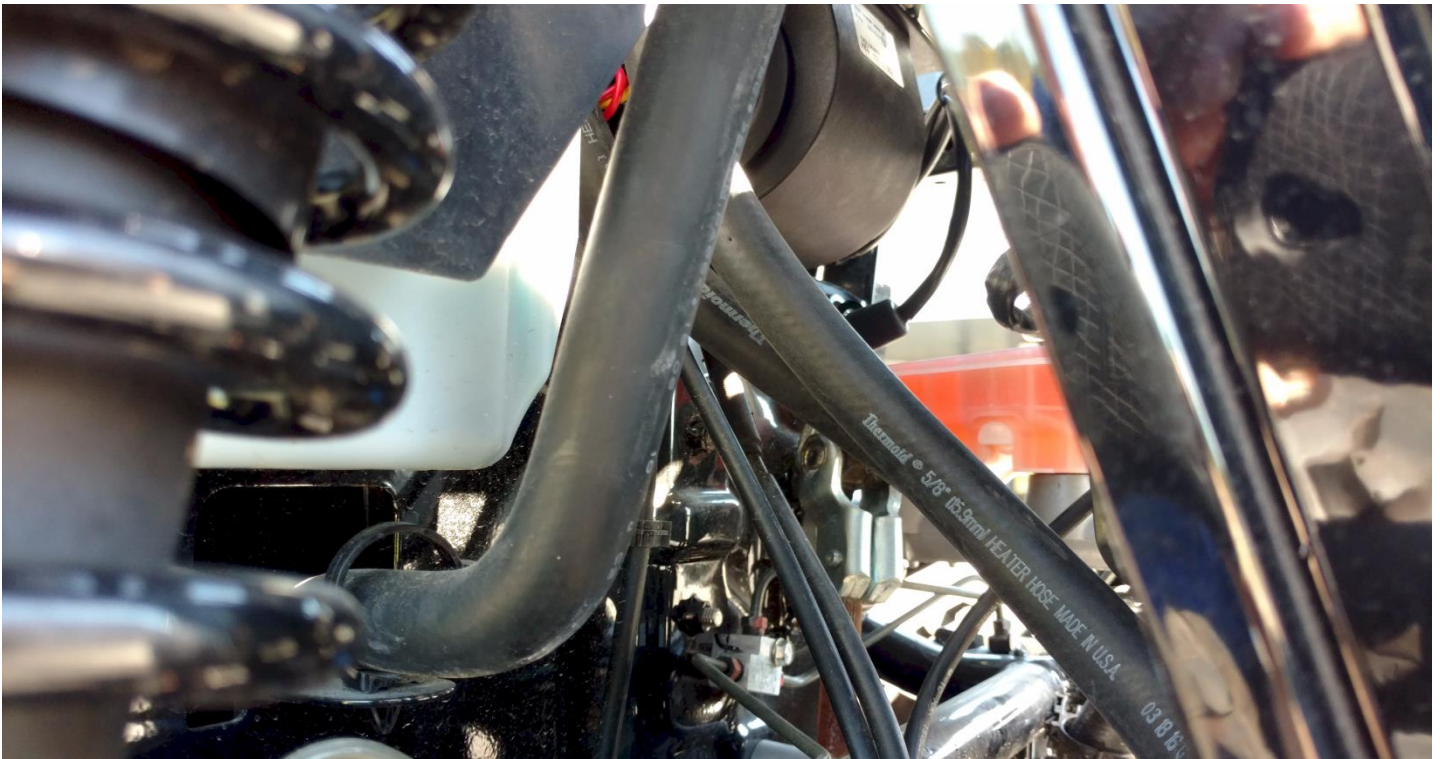
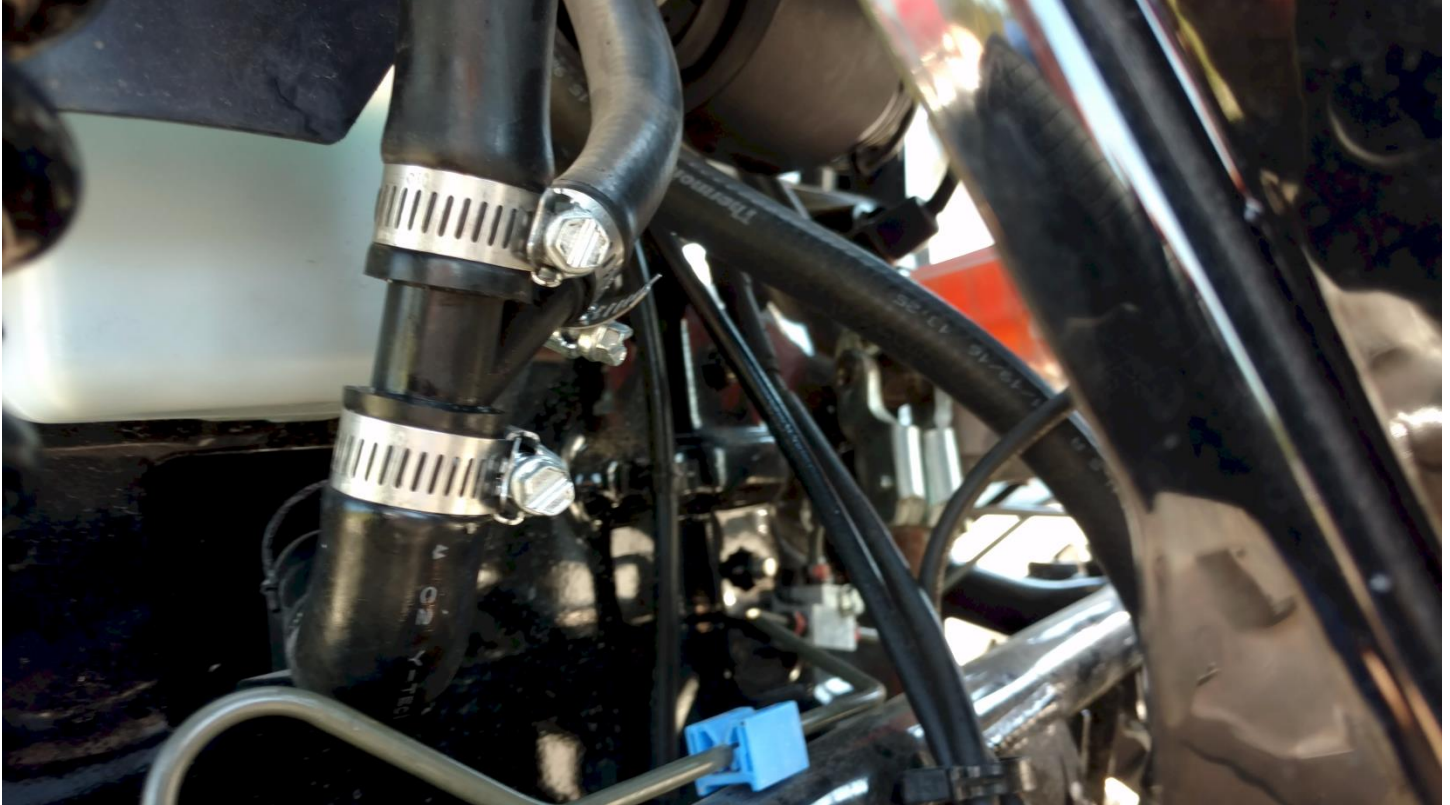


Figure 13a

**Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.**



**Figure 13b**



## Honda Pioneer 500 Under Hood Ice Crusher Heater Install Instruction.

HEATER WARRANTY – [utvheaters.com](http://utvheaters.com) and [couperproducts.com](http://couperproducts.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.

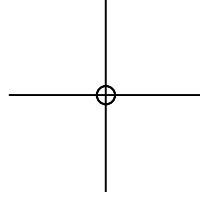
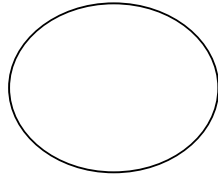
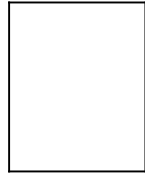
This warranty is Couper's Products only express warranty of this product. We reserve the right to make changes to products and policy that are in the best interest of Couper's Products. No implied warranty shall extend beyond One (1) or Three (3) year period from the date of the original consumer (end 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**

# Center Vent Template as shown in Figure 3a



Mark hole center  
and drill hole with  
3" hole saw

Align with moulding of dash

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.

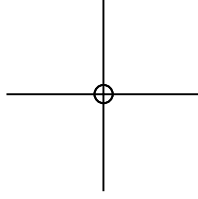




# Intake Vent Template as shown in Figure 1c

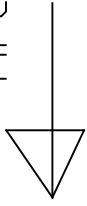
Align with moulding of dash

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.



Mark hole center  
and drill hole with  
3" hole saw

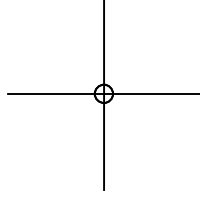
Moulded edge in  
firewall







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.



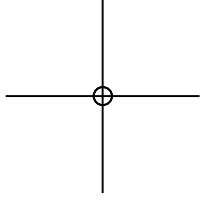
Mark hole center and drill hole with 3" hole saw

Left Vent Template as shown in Figure 2b





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.



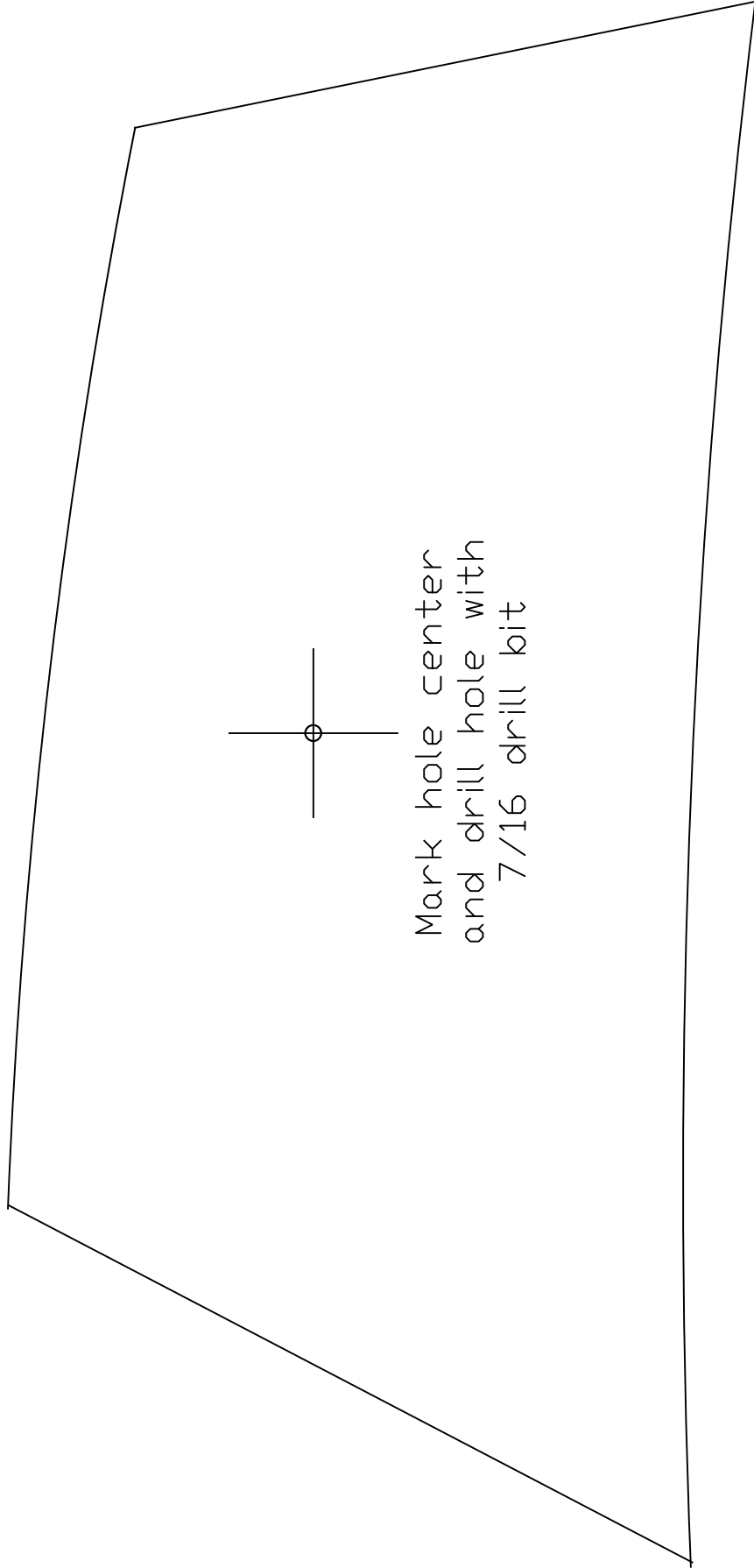
Mark hole center  
and drill hole with  
3" hole saw

Align this edge with edge of dash

Right Vent Template as shown in  
Figure 2a







Mark hole center  
and drill hole with  
7/16 drill bit

## Switch Hole Template as shown in Figures 4

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.