

ICE CRUSHER HEATERS

2022+ Honda Pioneer 1000

ICCH-UD-C-22HONP1000

1x 1 1/4" Hole Saw



235



236



234

1x 54mm Hole Saw

1x 3" Hole Saw

1x Hole Saw Arbor



233

2x #16 Hose Clamps



226

4x #10 Hose Clamps



228

2x #6 Hose Clamps



231

2x 1 1/4" Grommets



221

1x 1" Brass Y



243

1x 3-Way Ball Valve



247

4x #8 Sheet Metal Screws



334

4x Push Pins



324

2x M6 x 12mm Serrated Flange



300

2x - 1/4" x 2" Serrated Flange Bolts



323

2x - 1/4" Serrated Flange Nut



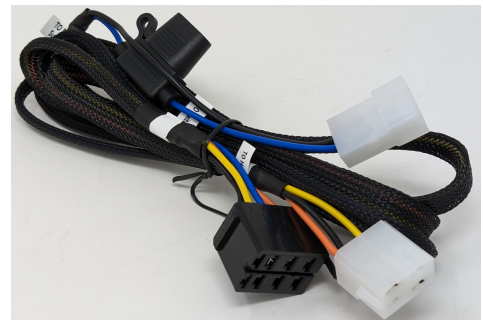
420

1x - High/Low Dash Switch



682

683-WC



1x - Dash Switch Power Loom



476

1x - Honda Pigtail



214

30x - 11" Zip Ties



504

9' 5/8" Hose (2 Seat)



693

1x Standard Heater



4 x 2" Vents **501**



18" - 2" Duct Hose **505**



1151

Center Dash Plate



507

7" - 3" Duct Hose



1153

Main Heater Bracket



3" Grill
601

3" Grill Port
602

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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 Windshield if applicable. Remove front doors for best access.
- b. Remove the Plastic Hood exposing the electronics bay as shown in Figure 1.
- c. Remove battery, air filter cover (**place a paper towel inside the air intake to keep foreign objects from entering**), remove push pins, electronics, winch contactor (if applicable) and hardware that hold the front plastic to the frame as shown in Figure 1. Note: not all push pins and hardware are shown.
- d. On either side of the front fenders remove the push pins as shown in Figure 2.
- e. Under both fenders remove the push pins, light bulb covers and electrical connections, and headlight support bar hardware as shown Figure 3.
- f. Remove the bolts that hold the bumper on as shown in Figure 4 and pull the bumper forward 1-2" making additional room for the front plastic assembly to be removed.
- g. Remove any additional hardware securing the Plastic Electronics bay assembly to the vehicle and then push all vehicle harnesses under dash. Lift up and out to remove the Plastic Electronics bay assembly including the headlights so it looks like Figure 5.

2. Vents and Duct Hose

- a. Use a drill bit to remove the pop rivets that secure the center dash warning panel in place as shown in Figure 6. Remove the warning label. Drill the pop rivet holes with a ¼" drill bit as shown in Figure 7.
- b. Cut out the Center Vent Template located at the back of the instruction manual and position over the warning label area. Transfer the hole centers and drill holes using the 54mm hole saw. Deburr as necessary. **Installation Tip: After cutting the 2" vent holes, use a razor blade to cut a small "V" shaped notch anywhere along the hole.**

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Each 2" Vent has an anti-rotation notch molded into it, fit the notch into the 'V' groove for easier install, as shown in Figure 8.

- c. Position the Center Vent Bracket over the warning label area and use the ¼" Push Pins to secure it to dash.
- d. Cut out the Passenger Vent Template and position on the lower dash molding as shown in Figure 9, drill using the 54mm hole saw.
- e. Cut out the Driver Vent Template and position on the lower dash molding as shown in Figure 10, drill using the 54mm hole saw.
- f. Using the 3" hole saw, drill a 3" hole on the Passenger side of the lower dash, see Figure 11.
- g. Using the 1 ¼" Hole Saw, locate the plastic air guard behind the radiator as shown in Figure 12. From behind the radiator drill a 1 ¼" Hole at the base of the air guard to left of the shifter cable, shown in Figure 12. Move the drill bit up approximately 1.5" and drill a second hole. Debur as necessary. Insert the 1 ¼" Rubber Grommets.
- h. Cut the included 2" Duct Hose as shown in Figure 13. **Note all dimensions are in a compressed state.**
- i. Connect the 2" Vents to the duct hoses, secure each vent with a zip tie and push the hose end through each hole, routing the hoses toward the center of the vehicle on the radiator side of the firewall. Avoid sharp and or moving parts of the steering column and gear shifter.
- j. Insert each 2" Vent by tipping the zip tie clip into the hole first, then rotating the vent base into the hole. Align the anti-rotation notch with the "V" shaped notch made earlier and press the vents in. Use a smart device to see a video on this tip.



- k. Connect the 3" Duct hose to the back of the intake flange shown in Figure 14.
- l. Route the 3" Duct Hose toward the center of the vehicle as shown in Figure 15, NOTE: the image shows the heater already installed, route the hose only at this time.

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3. 5/8" Heater Hose Routing and hookup

- a. Cut a 6 foot piece of 5/8" Heater Hose and from the radiator side of the firewall, route the 5/8" Heater hose toward the engine bay following the OEM radiator lines as shown in Figure 16 and Figure 17.
- b. The end of the 6' pc of 5/8" Heater Hose behind the radiator should be inserted into the lower 1 1/4" Grommet installed earlier. It's easiest if soapy water or some kind of lubricant is applied to the grommet interior and hose. Insert approximately 3" of hose.
- c. Use the remaining 5/8" Heater Hose and insert it approximately 3" into the top hole.
- d. If Hose Clamp Off tools are available, use them to clamp on both sides of the 3-Way Valve shown in Figure 18a, 18b, 18c. Cut the hose and insert the 3-Way Valve. Attach the 6' Piece of 5/8" Heater Hose and Secure it using two #6 Hose Clamps and one #10 Hose Clamp. If Hose Clamp off tools are not available, the coolant will need to be drained, if kept clean it can be reused.
- e. **3-Way Valve Operation: Turn the 3-Way Valve handle so that is it perpendicular to the main body of the valve. This is the "ON" position for the valve and will direct coolant to the heater. In the warmer months, turn the valve handle so it is parallel to main body. This is the "OFF" position and will recirculate all coolant back to the engine.**
- f. Position the heater into the area between the firewall and air guard as shown Figure 19. Place #10 Hose Clamps over the 5/8" Heater Hose and then slide the hose up onto the copper fittings, cut hose if necessary. **NOTE: Remove the black shipping plugs if they are present.** Secure the 5/8" Heater Hoses to the copper ports using #10 Hose Clamps. **Installation Tip:** It may be easier to use a pliers to grip the 5/8" Heater Hose while installing it on the copper ports.
- g. Remove a 1"-1.5" piece of Radiator Hose from the Upper Radiator hose on the Passenger Side of the vehicle as shown in Figure 20. Insert the 1" Y Fitting in the orientation shown, attach the remaining 5/8" Heater Hose to the 5/8" port and secure the Y Fitting with #16 and #10 Hose Clamps as shown.

4. Duct Hose and Electrical Hookup

- a. Disconnect the Cigarette Lighter Connector. Locate the included wiring harness, using the included Insulation Displacement Crimps, connect the Blue Heater Power Wire to the Pink Cigarette Lighter Wire as shown in Figure 21. Connect the Black Heater Ground Wire to the Green Cigarette Lighter Wire as shown in Figure 21. Reconnect the Cigarette Lighter Connector.
- b. Connect the White 4 Pin connector to the 4 Pin connector on the heater.
- c. Route the remaining Dash Switch Housing through one of the open Dash Switch slots in the dash. Connect the Dash Switch and press it into place.
- d. Using Figure 13 as reference, connect the duct hoses as shown starting with the rear most vents. Connect the 3" Duct Hose to the motor inlet. Secure each hose to the plastic ports using the supplied zip ties.

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5. Heater Mounting

- a. Using the M6 x 12mm Serrated Flange Bolts, temporarily mount the Main Heater Bracket to the Heater as shown in Figure 22. Allow the position of the heater along the square frame rail to be dictated by the 5/8" Heater Hoses.
- b. Press the Main Heater Bracket firmly against the square frame rail and transfer the hole centers of the remaining holes.
- c. Remove the bracket and drill through the square frame rail using a 1/4" drill bit.
- d. Using the 1/4" x 2" Serrated Flange Bolts, pass the bolts through the Main Heater Bracket and through the square frame rail. Secure using the 1/4" Serrated Flange Nuts as shown in Figure 23
- e. Reinstall the M6 x 12mm bolts
- f. Use a zip tie to secure the harness to the Main Heater Bracket shown in Figure 23

6. Reassembly and Coolant Bleeding

- a. Using manufacturers approved coolant, refill the radiator and the overflow reservoir.
- b. Temporarily remove the paper towel from the air intake**
- c. It is recommended to temporarily reconnect the battery and turn the vehicle on. Keep the radiator cap off and fill as necessary, until the radiator level begins to rise then replace the radiator cap. Verify the 3-Way Valve is in the "ON" position.
- d. Monitor the vehicle's engine temperature, turn the vehicle off if the engine rapidly exceeds normal operating temperature. This is indicative of an air lock in the engine and the bleed screw needs to be opened to remove the air.
- e. Run the vehicle between 3000-4000 RPM, monitoring the engine temperature.
- f. Test the heater fan speeds are operational, within a few minutes heat should be felt from the vents.
- g. Run the vehicle 1 more time until the Radiator Fan turns on, the vehicle temperature should drop, when the Radiator Fan turns off turn the vehicle off and allow it to cool down completely. Check for leaks. Once completely cold, check radiator coolant level and fill as required.
- h. Run the vehicle until the radiator fan has turned on and off, then turn the vehicle off and check for leaks. Allow vehicle to cool and recheck cooling system level, fill as required.
- i. **Please note:** Heater output will be somewhat limited at idle, all testing should be done at a fast idle.
- j. If the Heater blows hot air, reassemble vehicle in reverse order.
- k. The vehicle may require periodic additions of coolant over the next few rides as any remaining air bubbles work their way out of the system. Refill as necessary.

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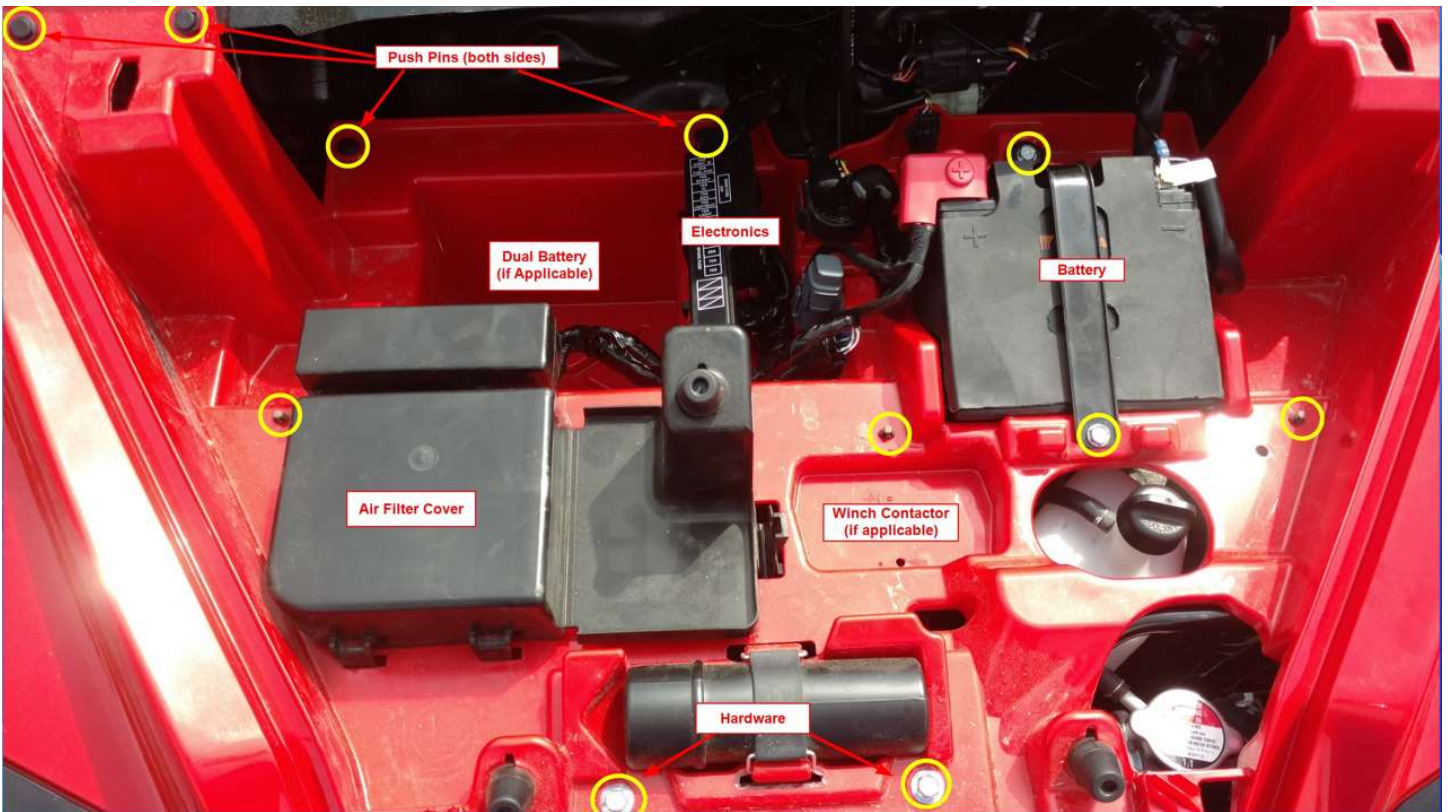


Figure 1

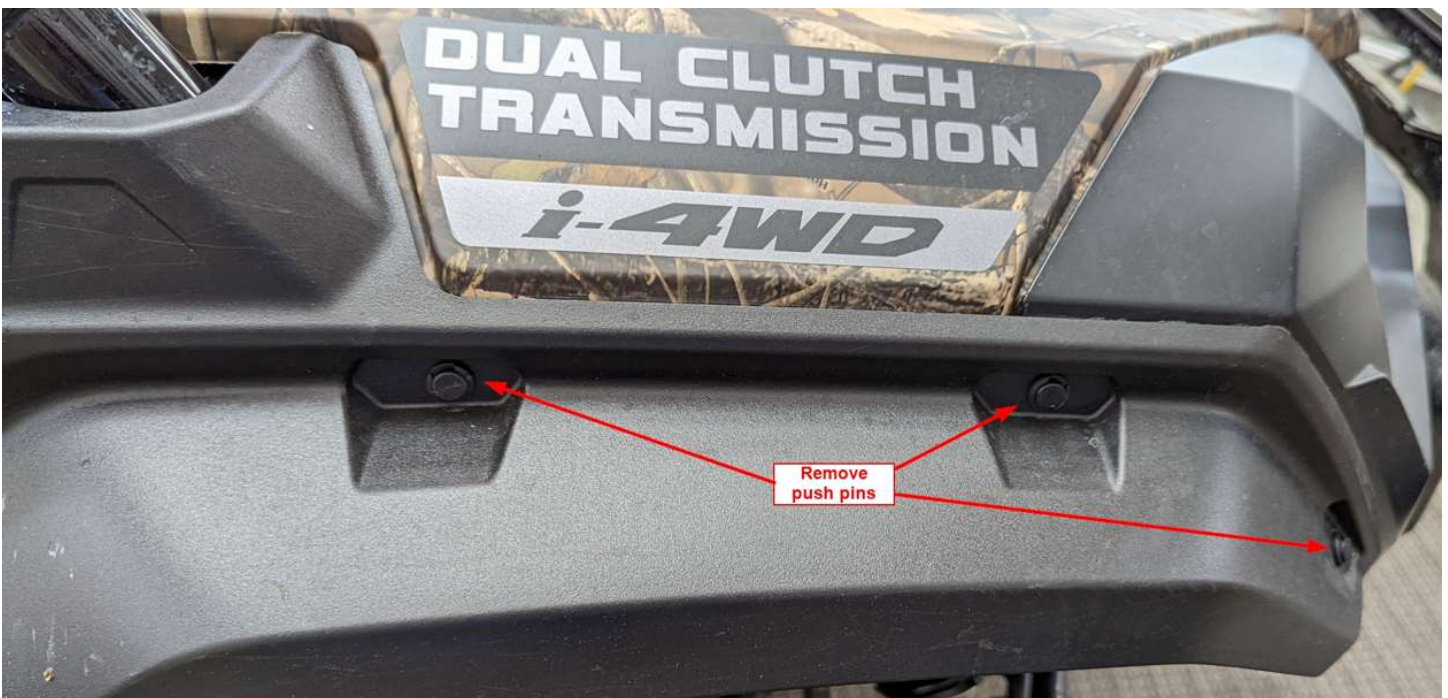


Figure 2

2022+ Honda Pioneer 1000 Ice Crusher Heater

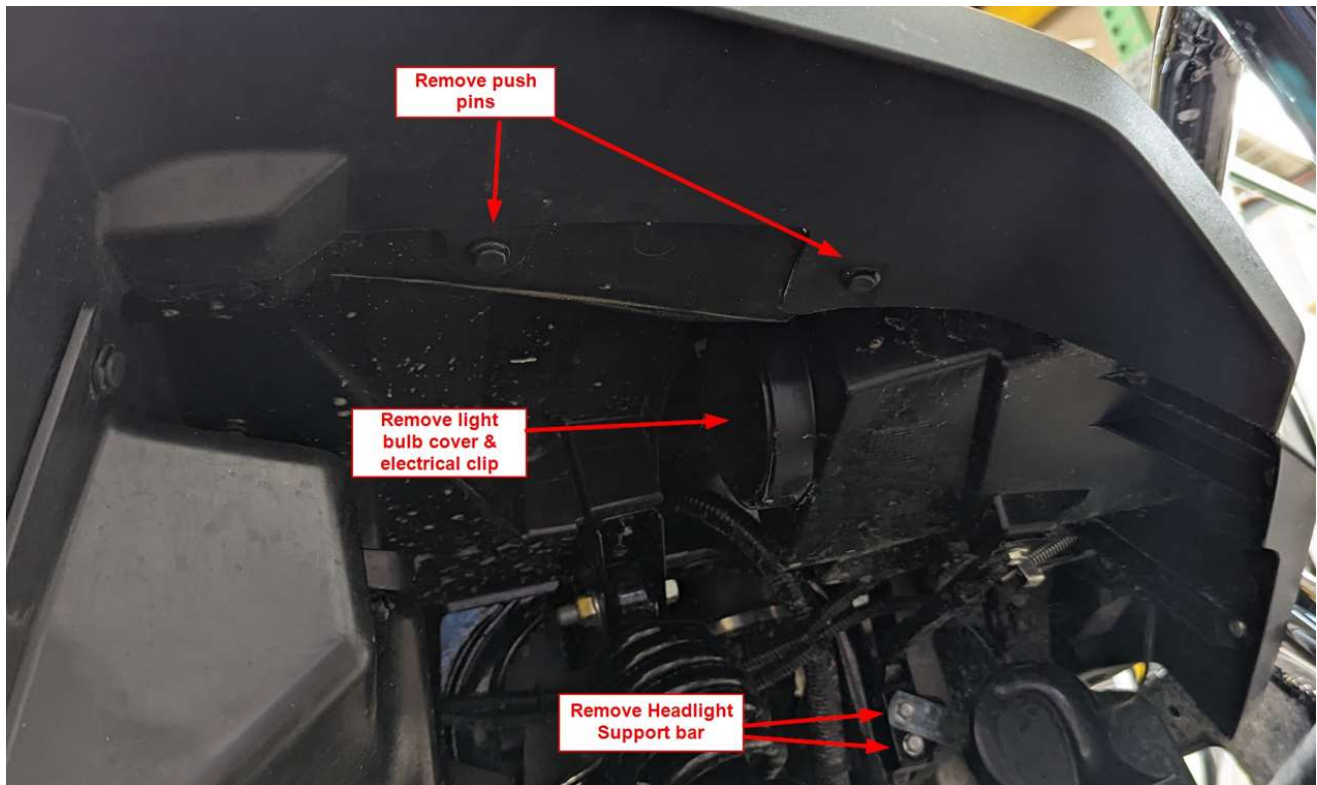


Figure 3

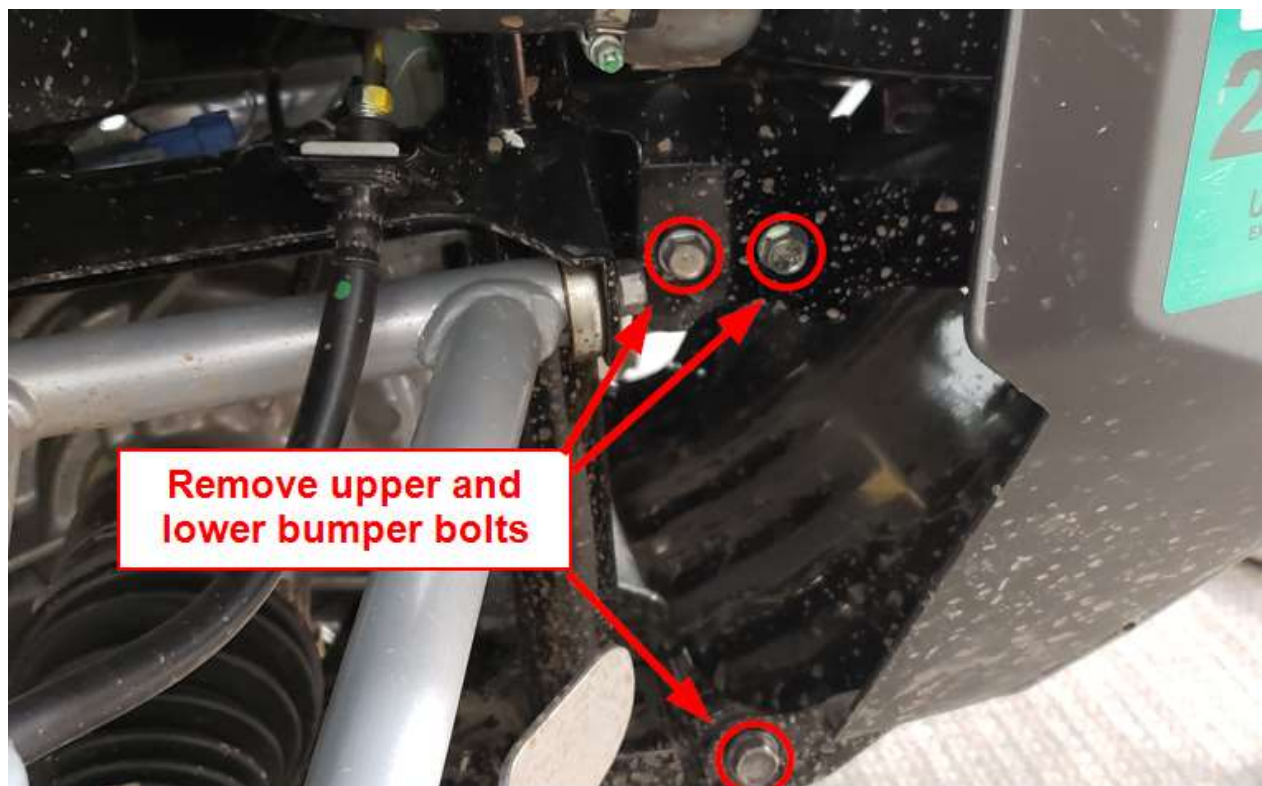


Figure 4

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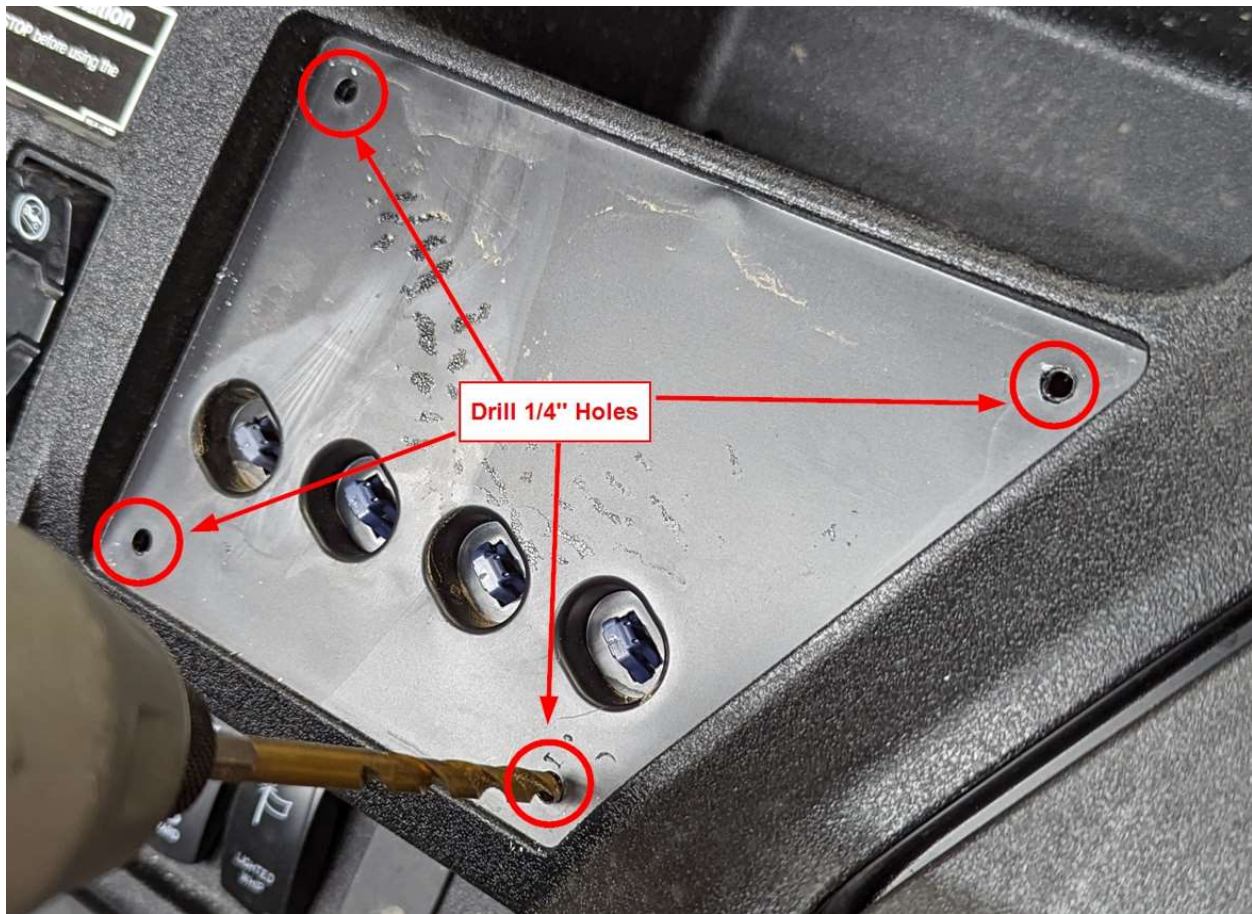


Figure 7

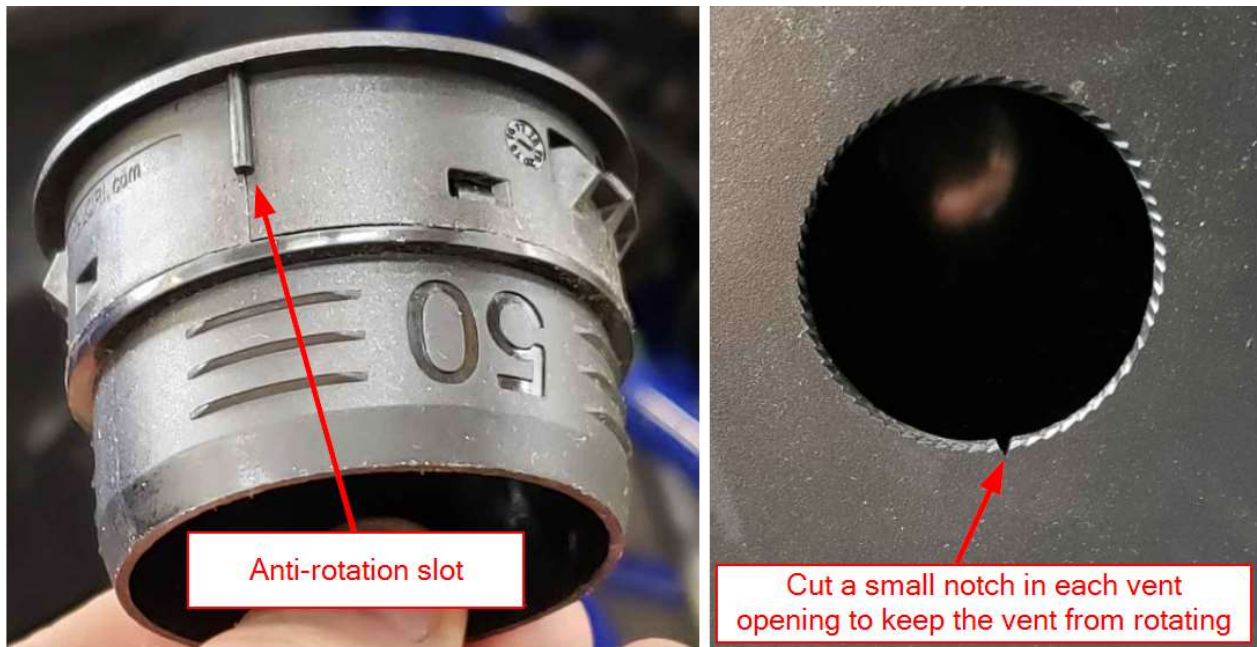


Figure 8

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Figure 9



Figure 10

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Figure 11

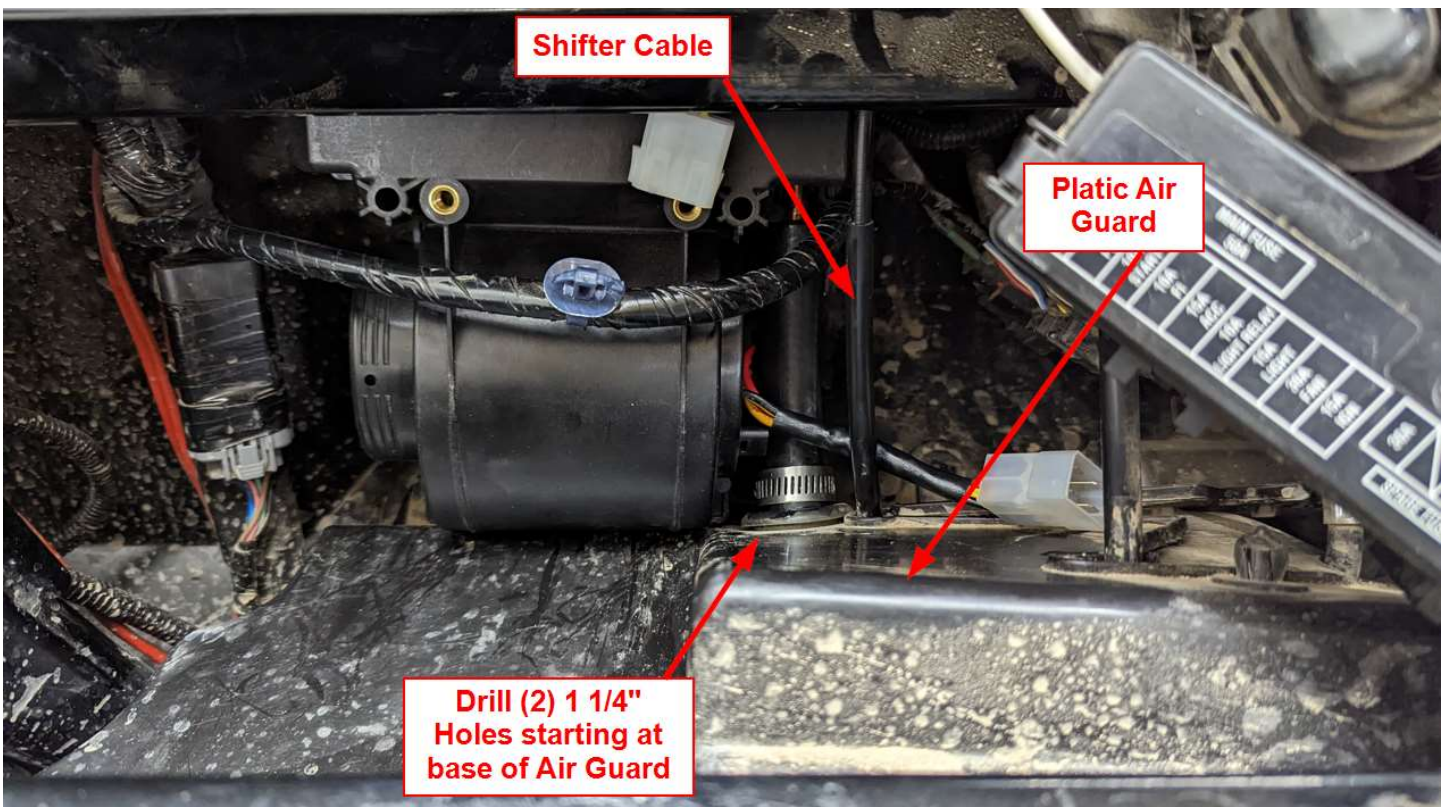


Figure 12

2022+ Honda Pioneer 1000 Ice Crusher Heater

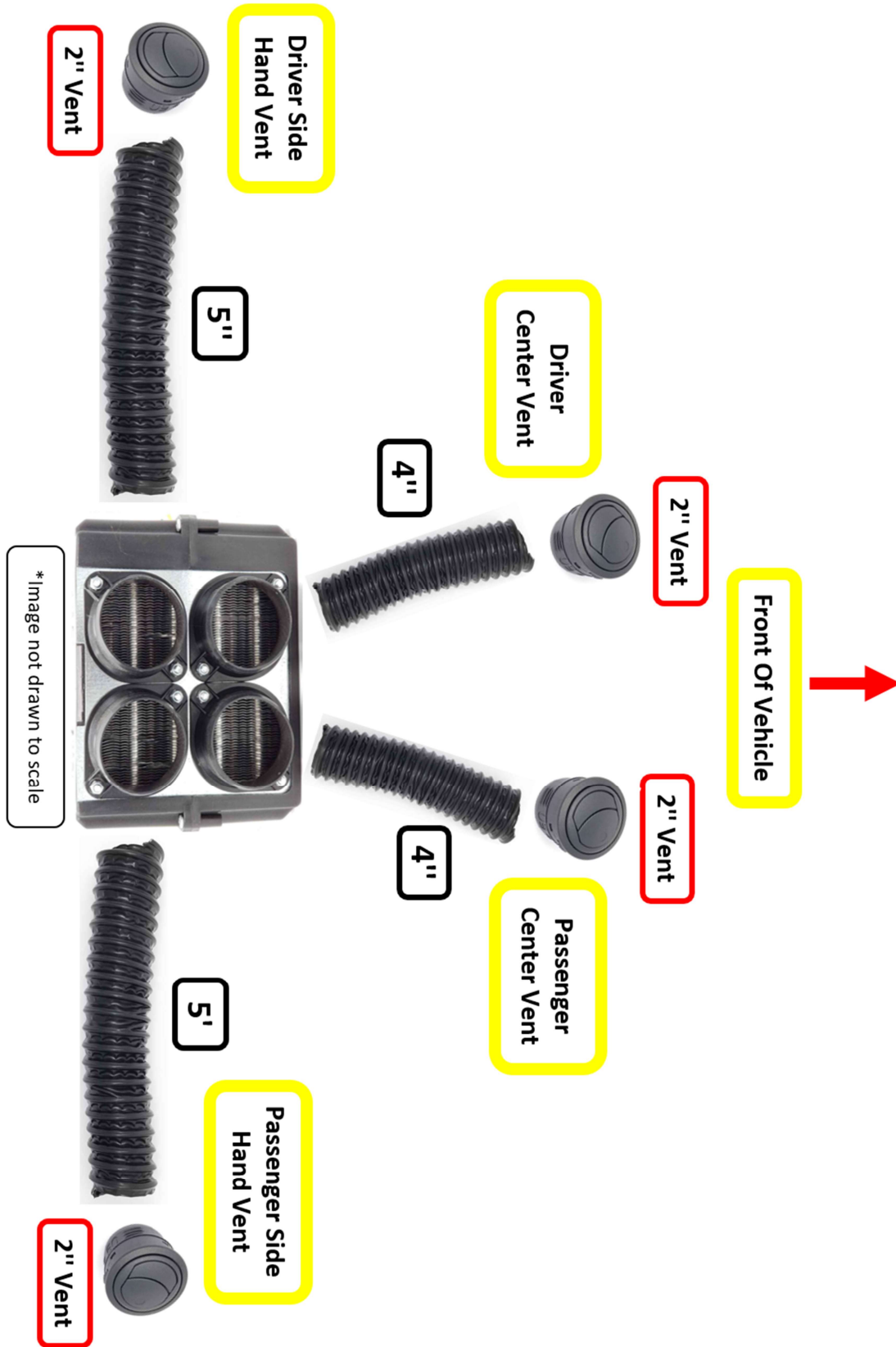


Figure 13

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Figure 14

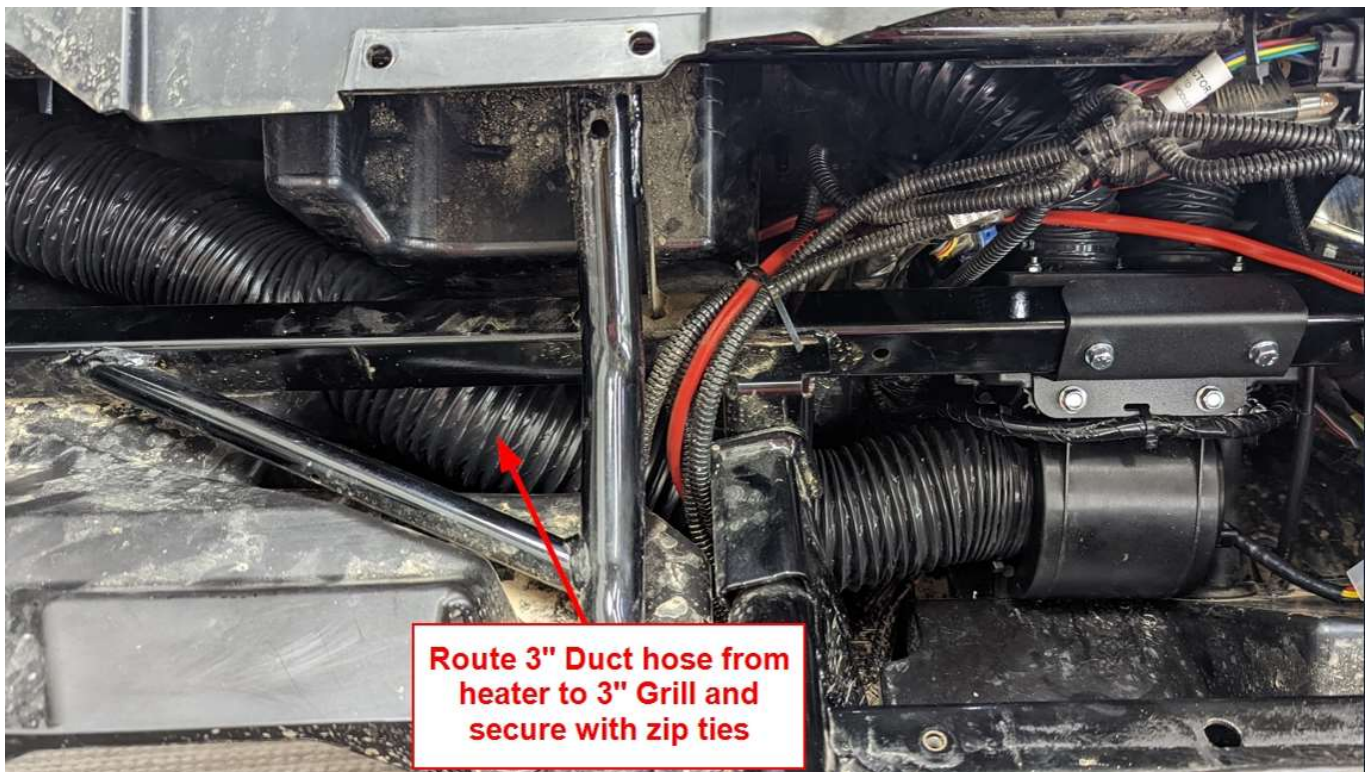


Figure 15

2022+ Honda Pioneer 1000 Ice Crusher Heater

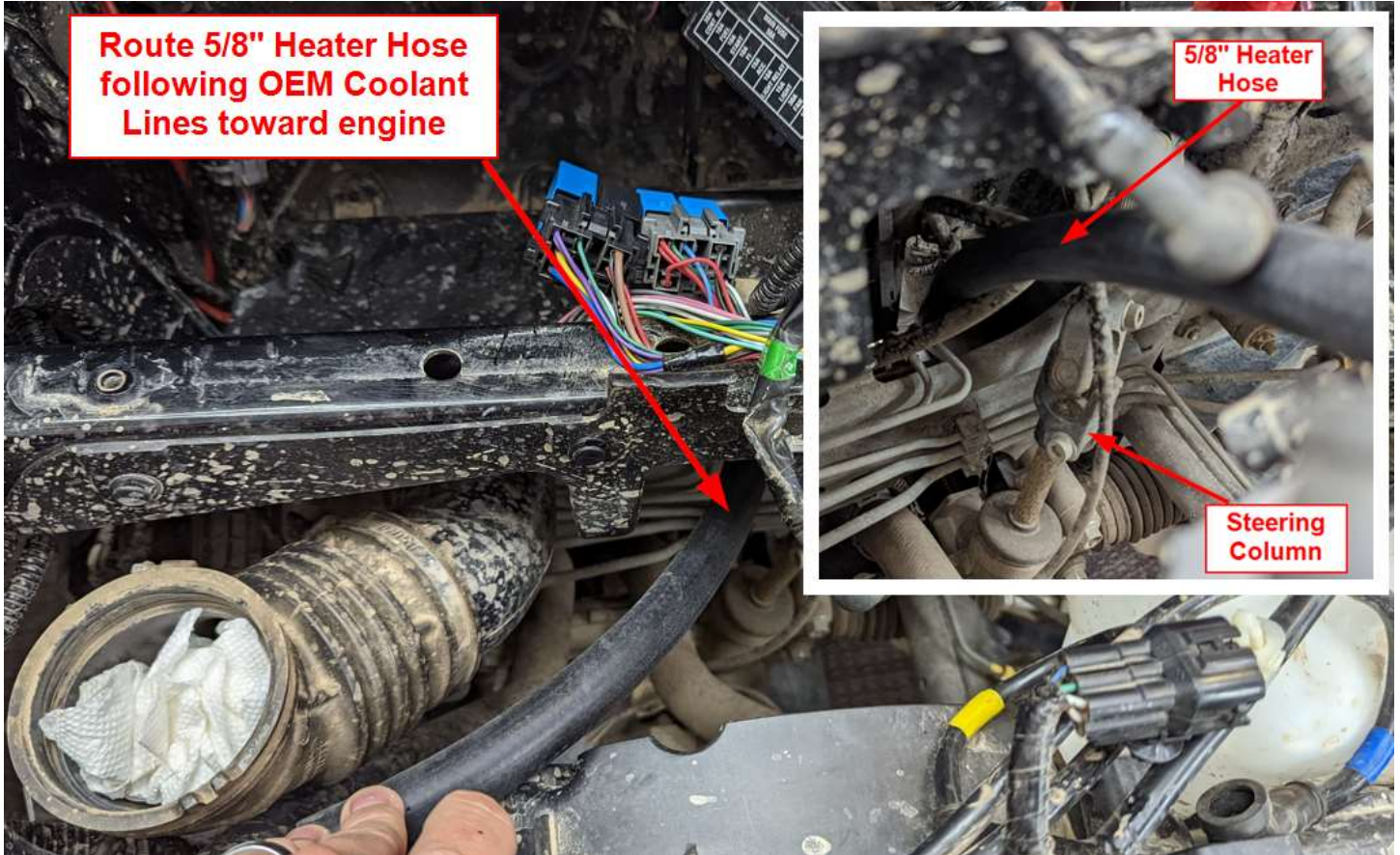


Figure 16

2022+ Honda Pioneer 1000 Ice Crusher Heater

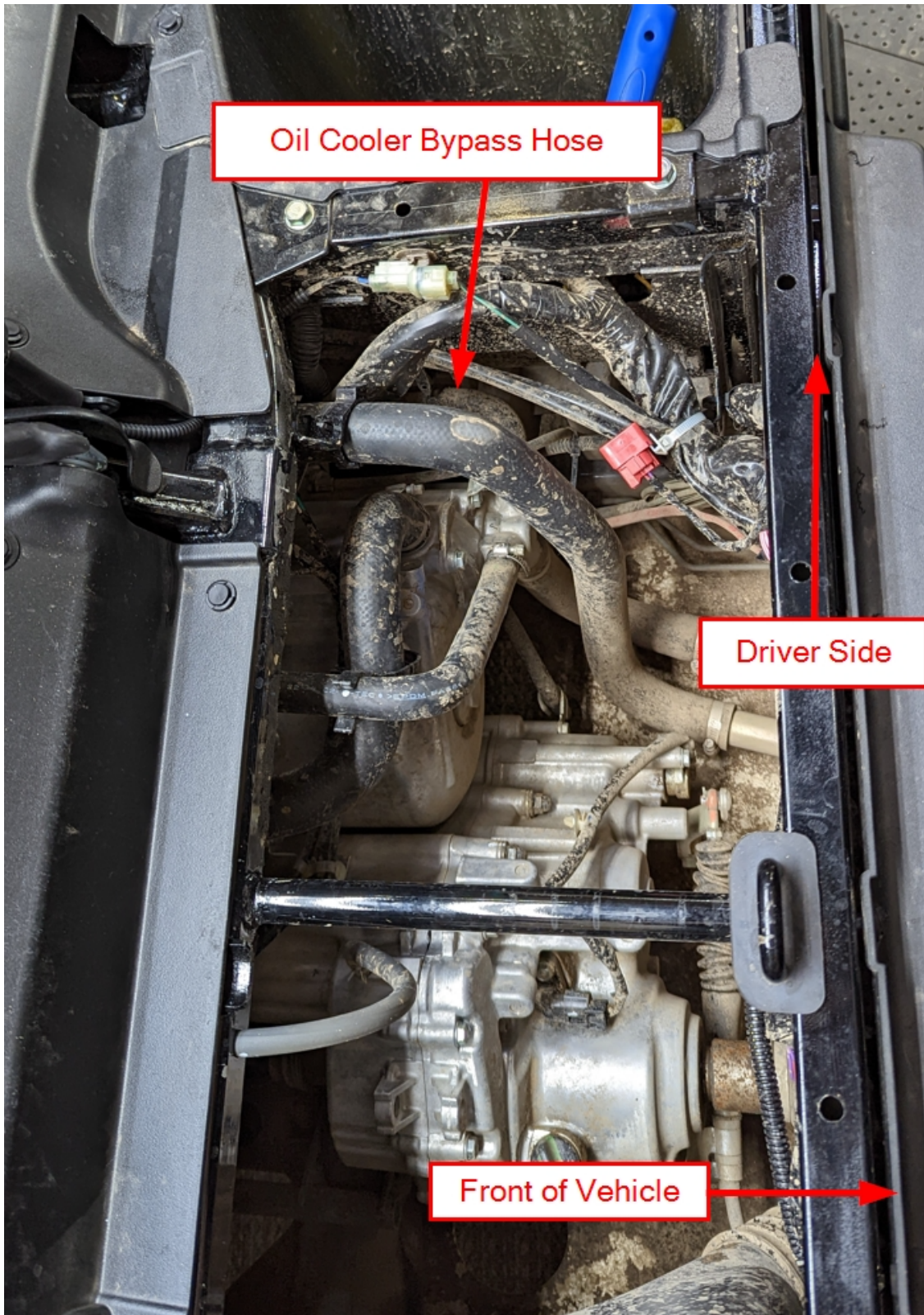


Figure 17

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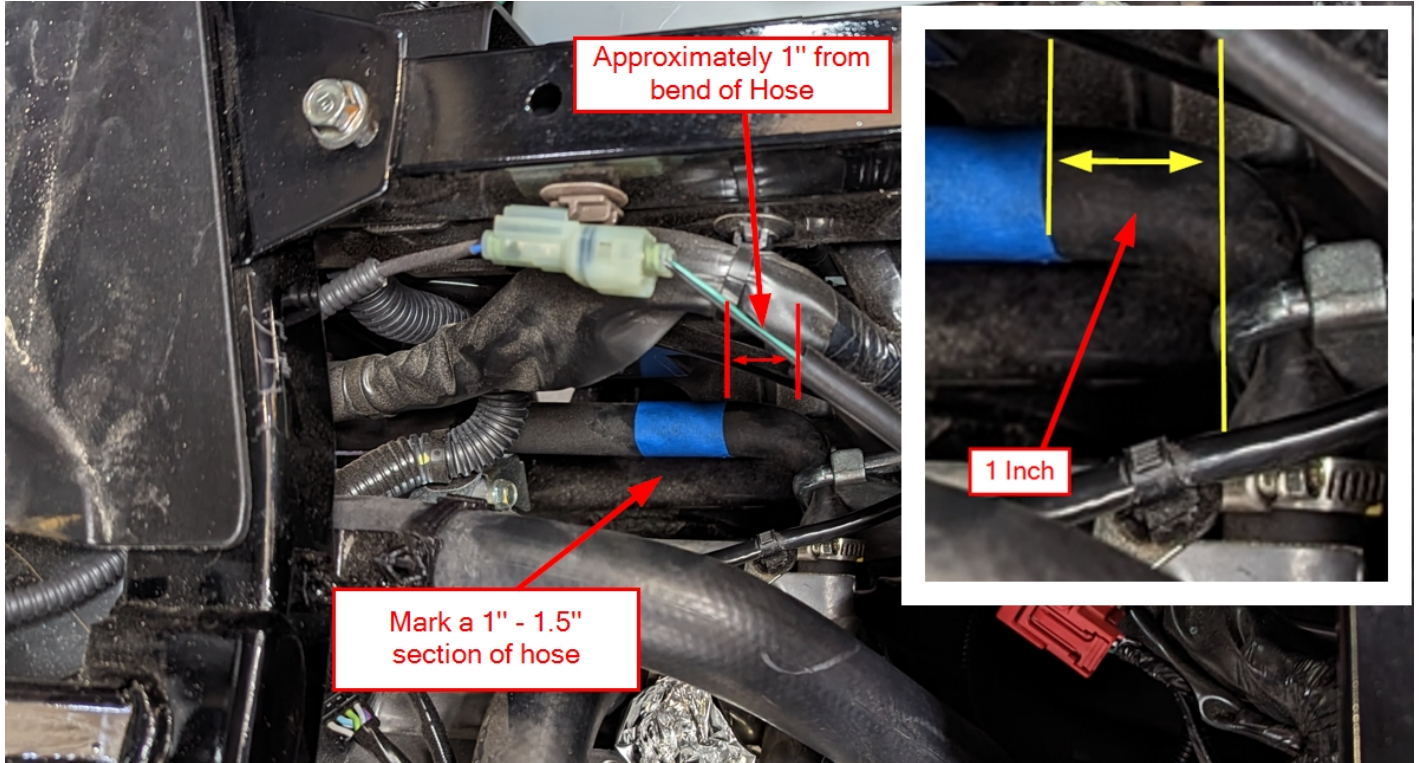


Figure 18a

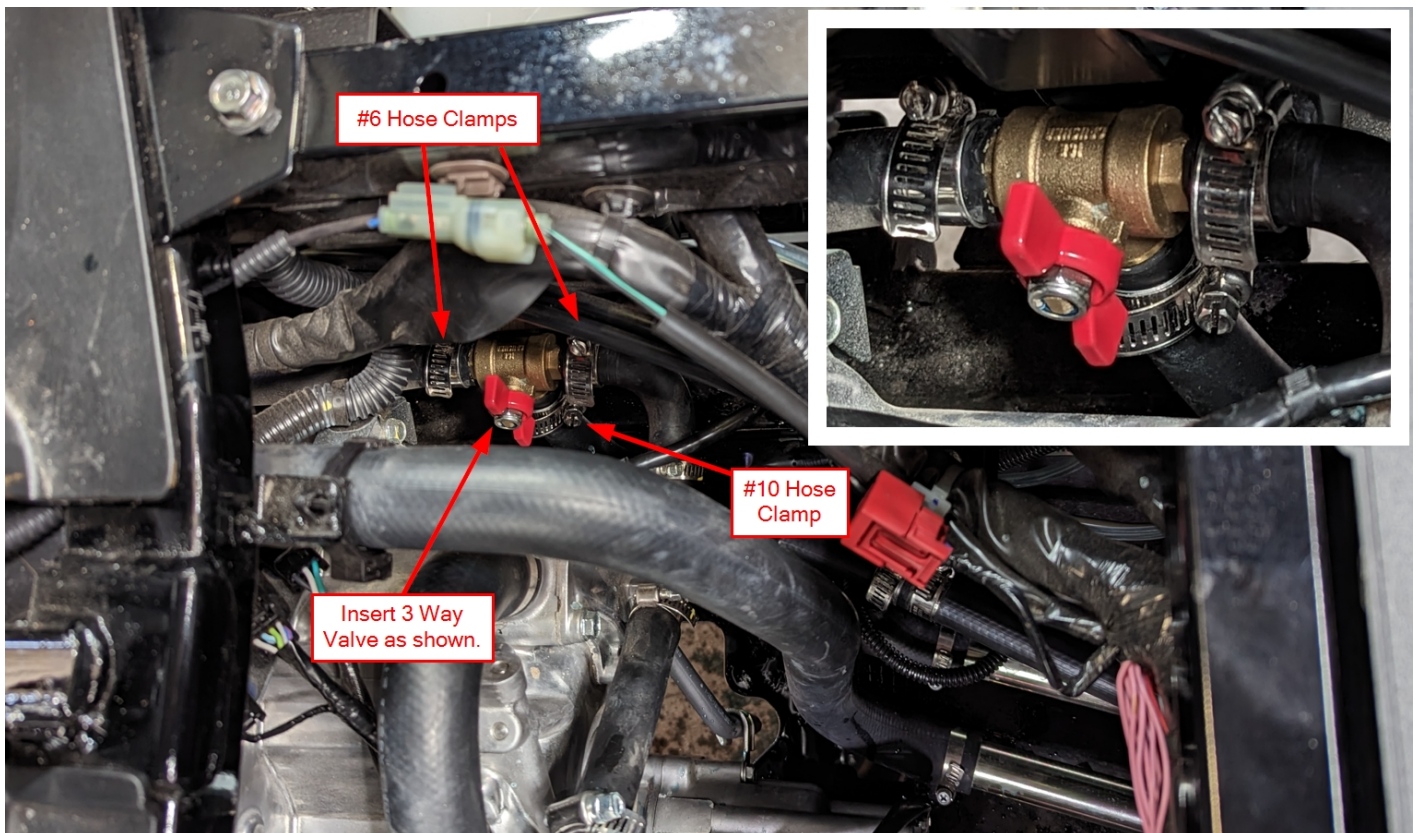


Figure 18b

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OFF (Summer)



ON (Winter)

Figure 18c

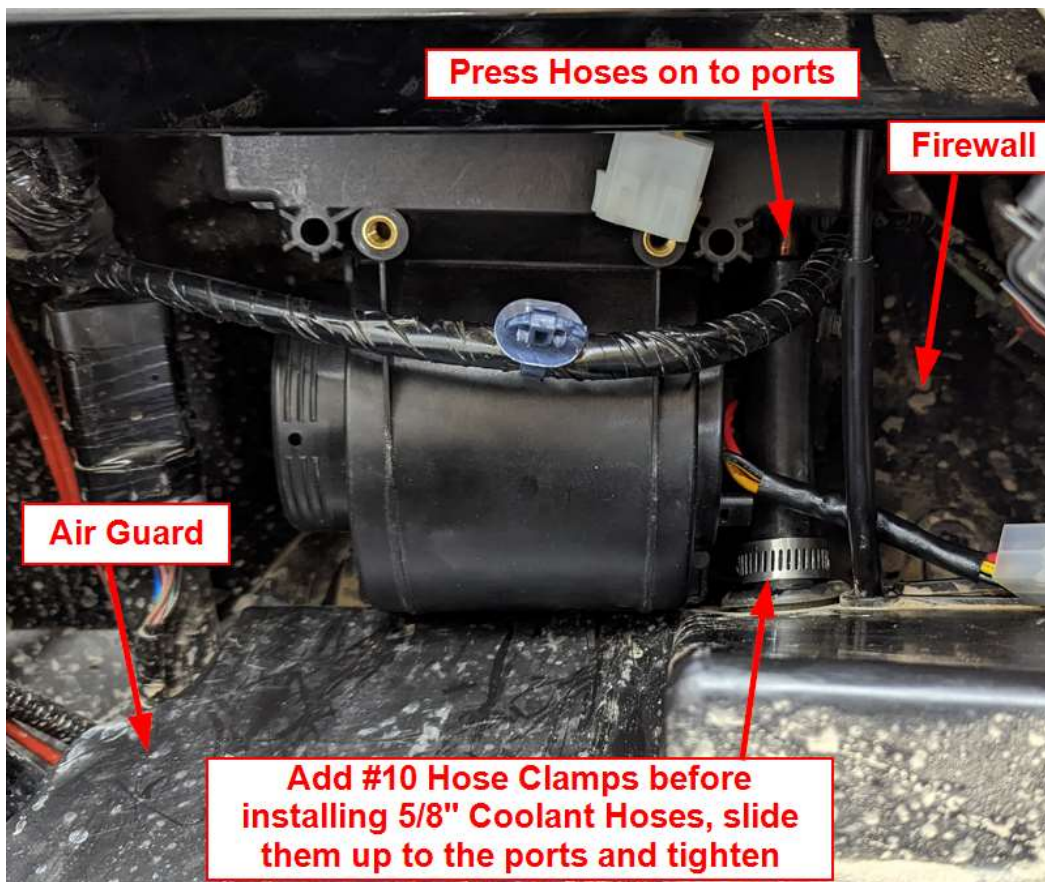


Figure 19

2022+ Honda Pioneer 1000 Ice Crusher Heater

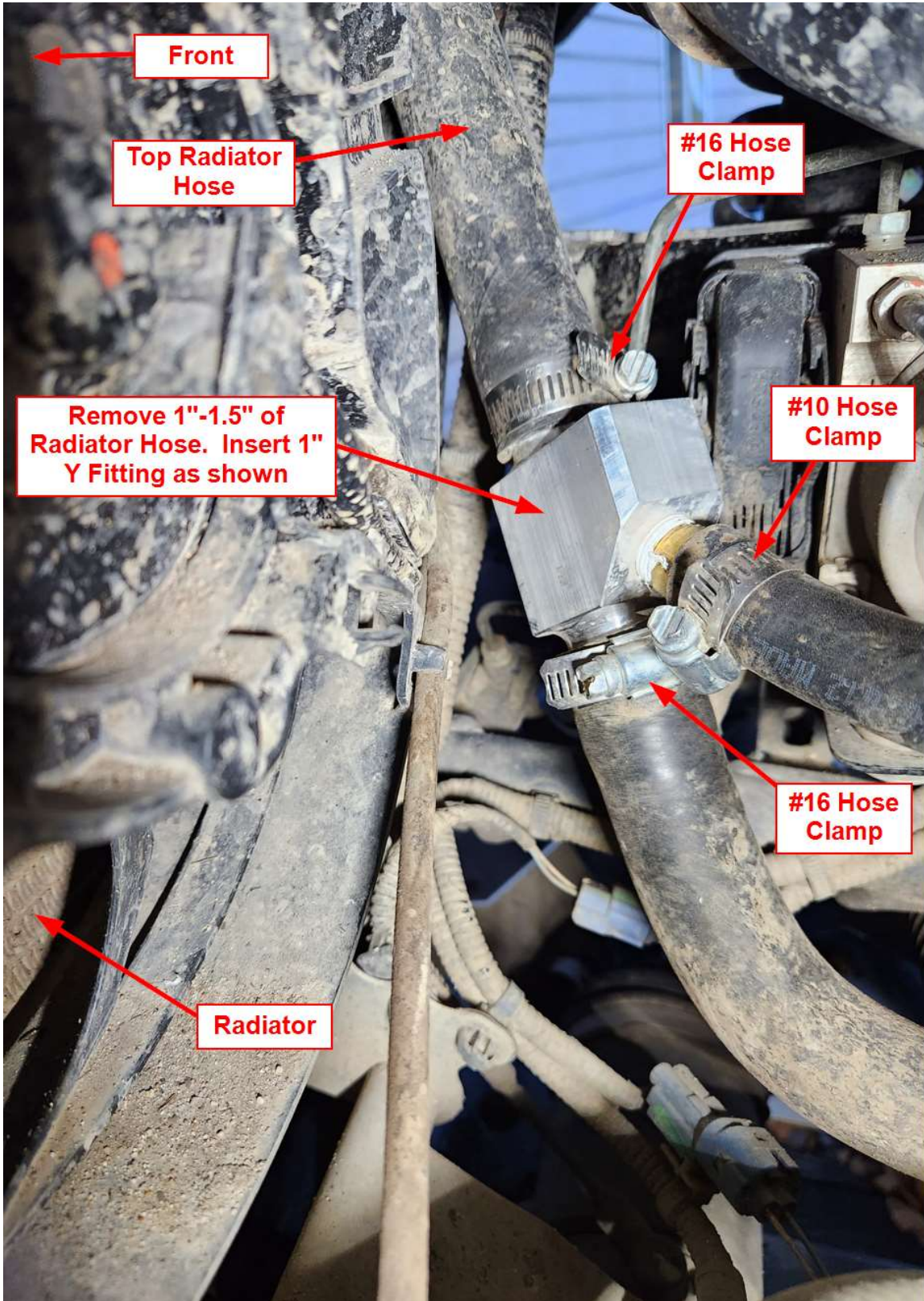


Figure 20

2022+ Honda Pioneer 1000 Ice Crusher Heater

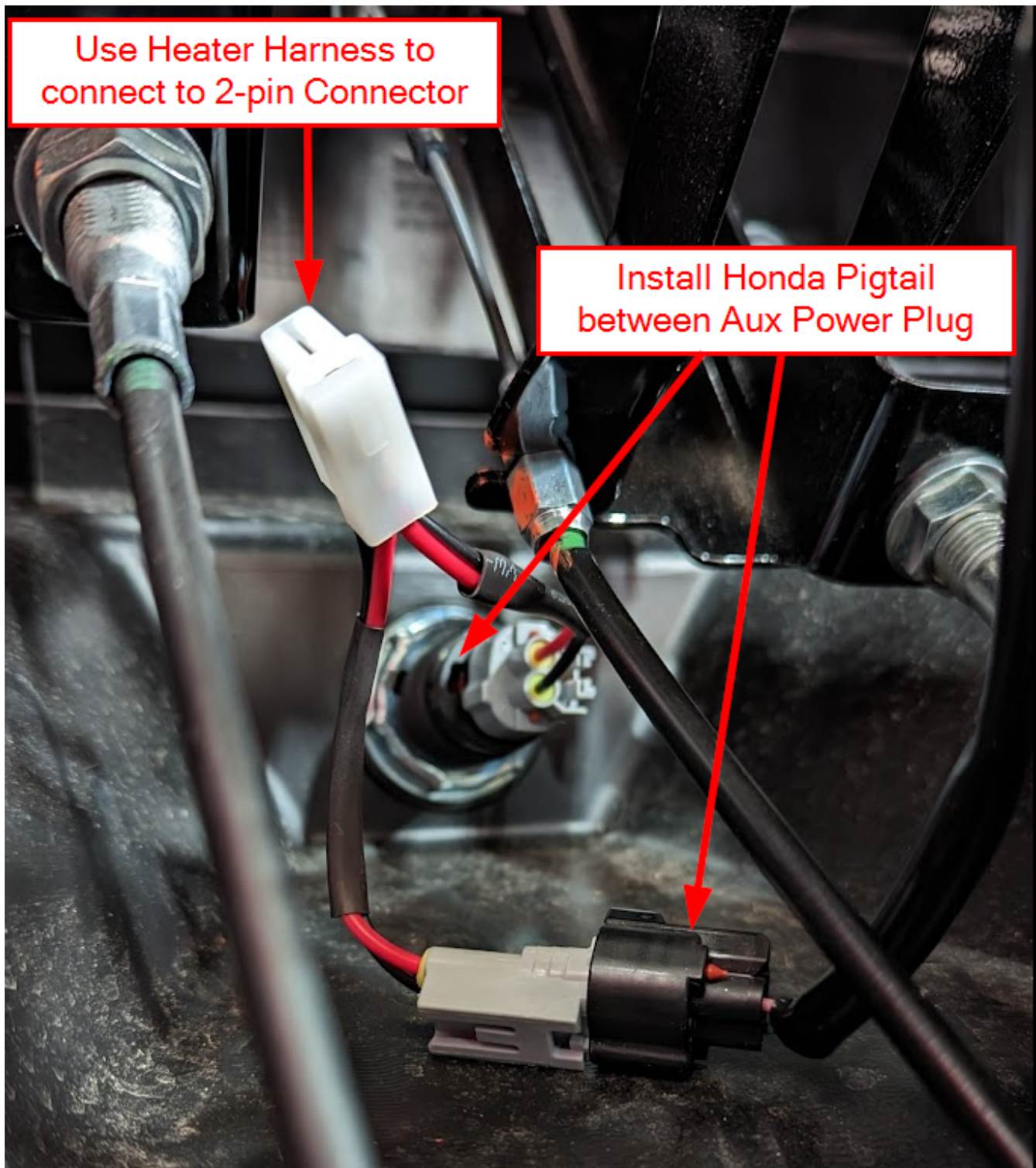


Figure 21

2022+ Honda Pioneer 1000 Ice Crusher Heater

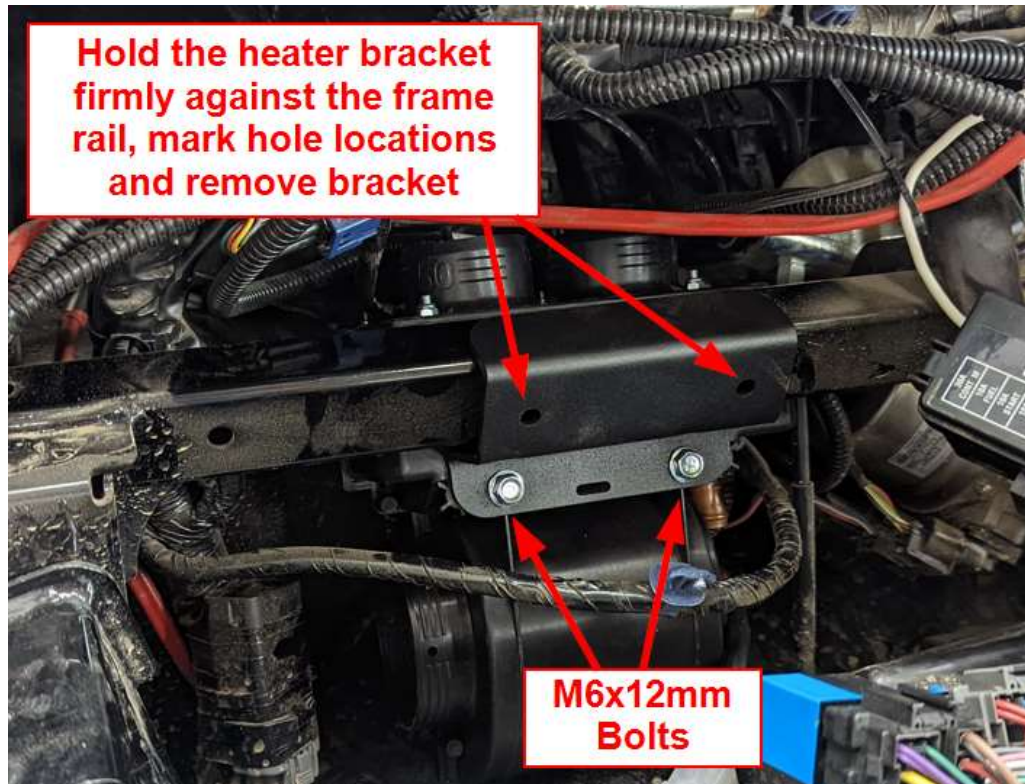


Figure 22

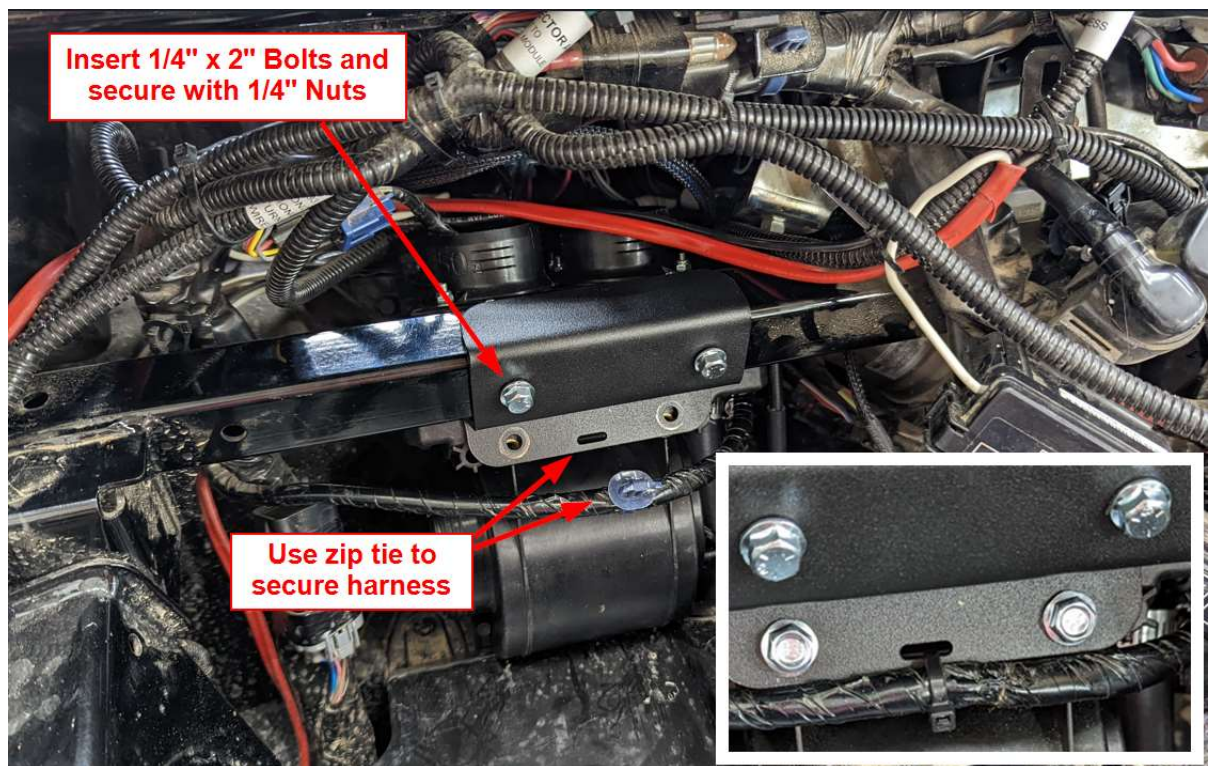


Figure 23

2022+ Honda Pioneer 1000 Ice Crusher Heater

HEATER WARRANTY – icecrusherheaters.com and coupersproducts.com

***Coutersproducts.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

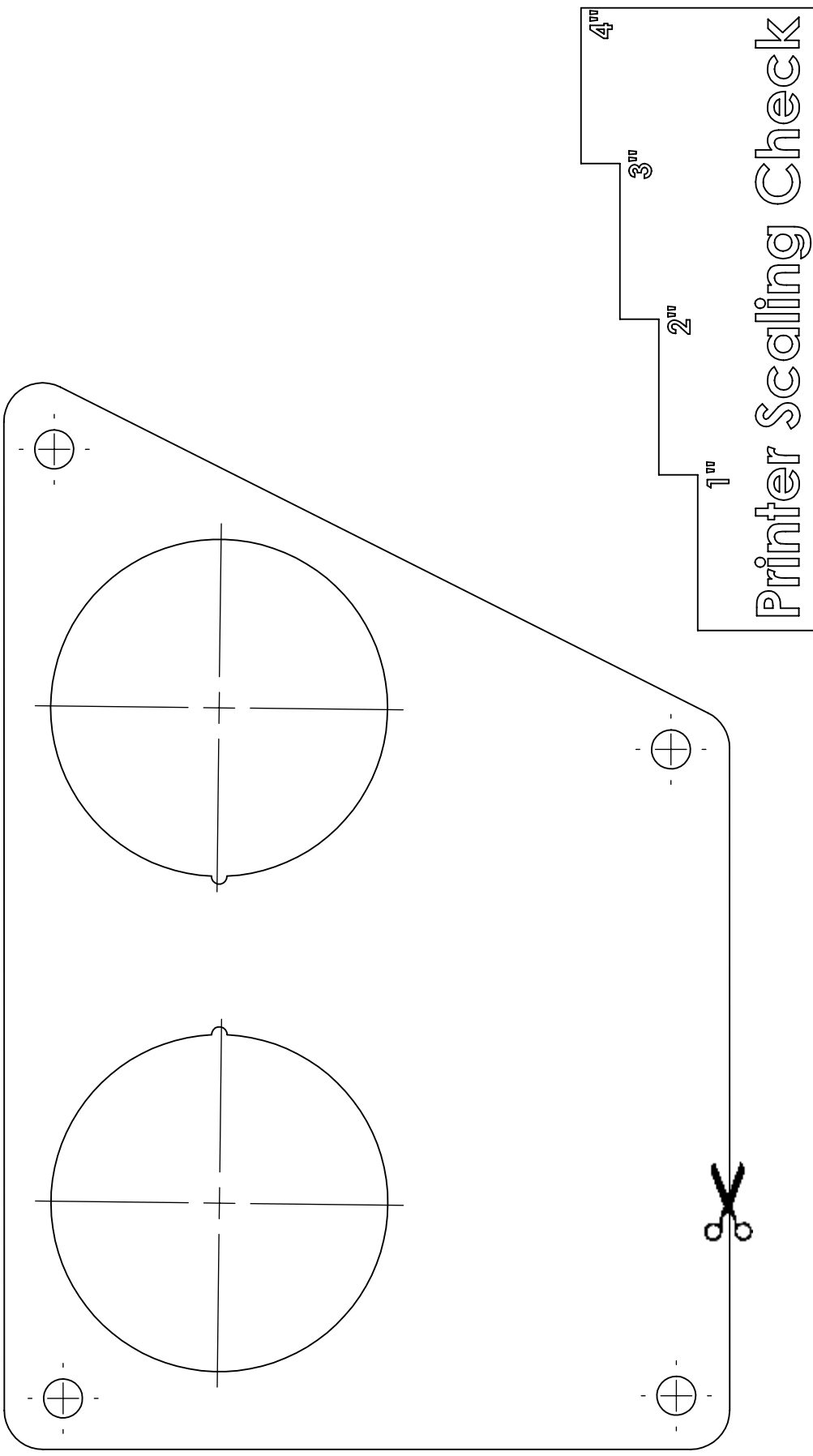
Attn: Warranty

23001 Industrial Blvd

Rogers, Minnesota, 55374

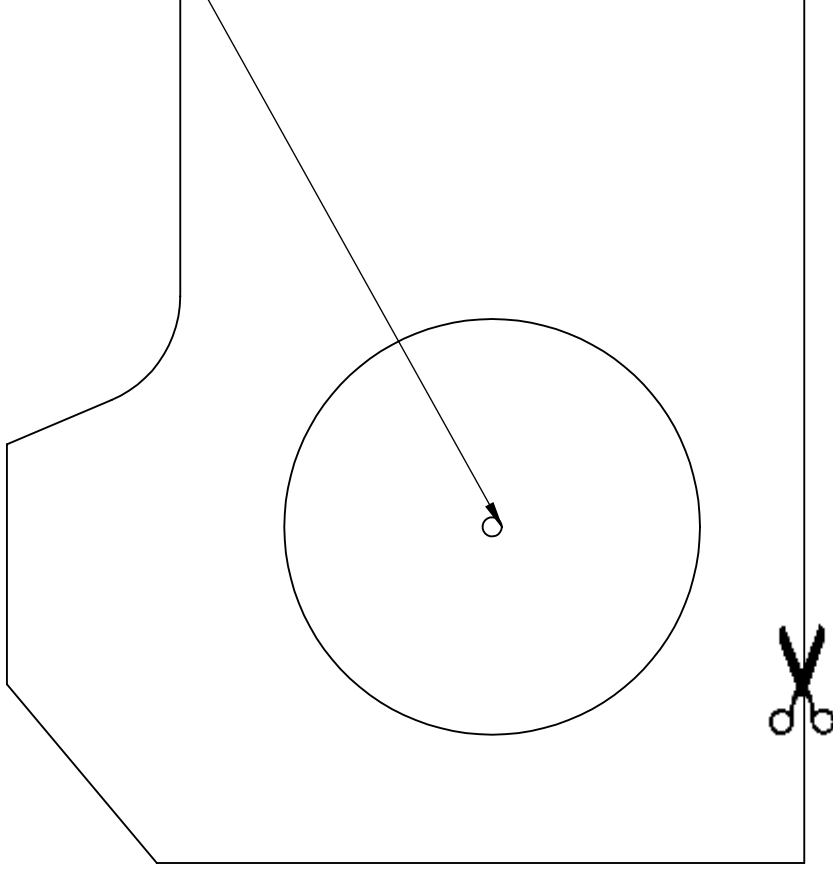
Center Vent Template

INSTRUCTIONS: Cut around the outline of the template. Cut out the (4) smaller holes and align the template with the (4) holes in the dash. When aligned, transfer the hole centers of the larger circles and drill two holes using the 54mm Hole Saw

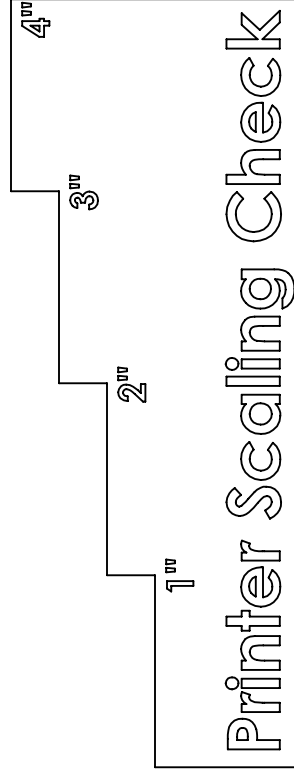


Printer Scaling Check

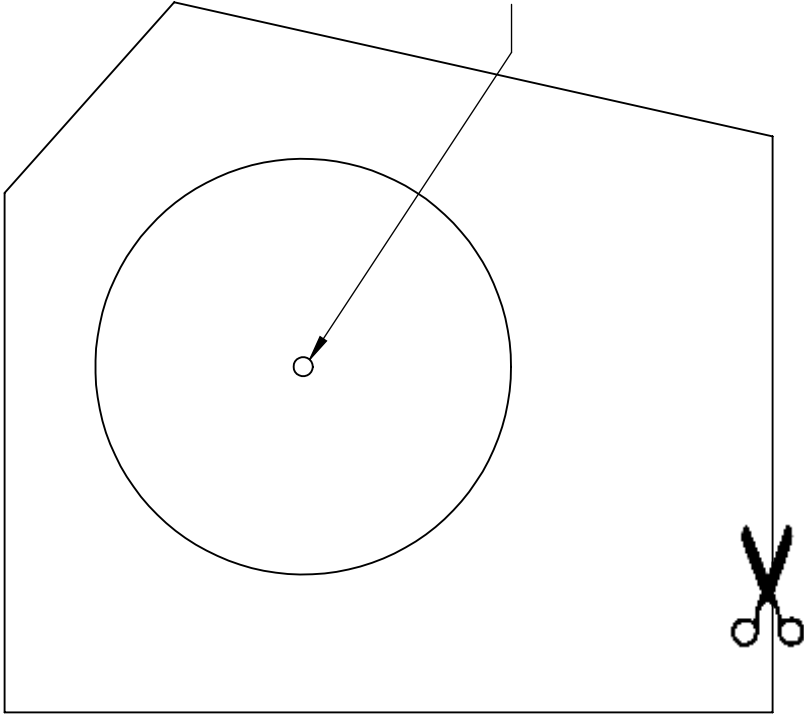
Passenger Side Vent Template



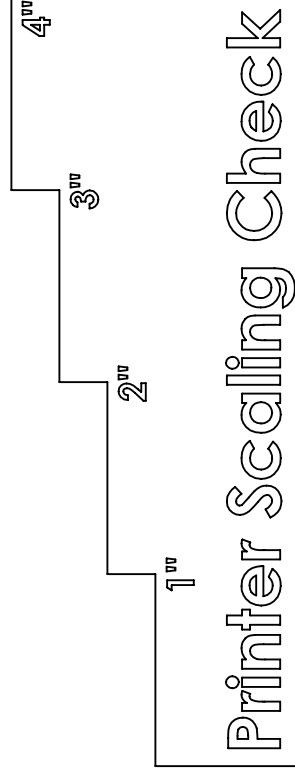
Cut out template and position as shown in instructions. Transfer hole center and drill using 54mm Hole Saw



Driver Side Vent Template



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



Printer Scaling Check