

# Honda Talon

ICCH-UD-C-HONDATAL

1x 55mm Hole Saw



236

1x 3" Hole Saw



234



233

1x Hole Saw Arbor



228

6x #10 Hose Clamp

2x 1/2" x 5/8" Barb



232

30x - 11" Zip Ties

333



214

1x - Blower Switch



345

1x - Blower Switch Nut



331



213-WC

1x - #2 Knob

1x - Wiring Harness w/ 2-Pin Connector



476

1x - 30pcs Zip Ties

1x - Honda Pigtail

4x - #8 Sheet Metal Screws



334

6x - 1/4" Plastic Push Pins



324

4x - 1/4" x 3/4" Serrated Flange Bolt



311

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



323

2x - 1/4" Nylock Nuts



443

2x - 1/4" Flat Washer



433

4x - m6-1.0 x 12mm Serrated Flange Bolt



300

2x - #8 x 3/4" Black Lath Screw



423

1x - 1130 Black Plate



1130

1131

1x - 1131 Red Plate



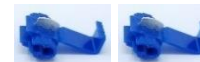
228

4x - #10 Hose Clamp

## Water Pump Option

443

2x - Insulation Displacement Crimp



400

3x 1/4" Nylock Nut



2x - Butt Splice Connector



404

3x 1/4" Flat Washer



433



321

3x 1/4" x 1 1/2" SFB



313

90 Degree Port



505

38" - 2" Duct Hose



507

4" - 3" Duct Hose



693

1x Compact Underhood



503

2 x 2" Plastic Y's



504

14' 5/8" Hose (2 Seat)  
20' 5/8" Hose (4 Seat)



601

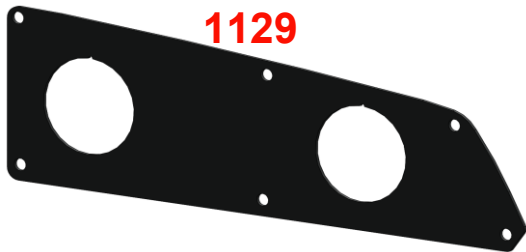
602

3" Grill  
3" Grill Port



501

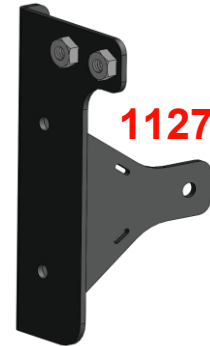
6 x 2" Vents



1129



1125



1127



1126

**Water Pump Option**



643

1x - Water Pump



642

1x- Water Pump



1128

504  
8" of 5/8" Heater Hose

1x- Honda Talon  
Water Pump  
Bracket

## Honda Talon Ice Crusher Heater



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 optional windshield, driver side door and passenger side door for best access.
- b. Disconnect the negative battery terminal and secure the cable away from the terminal, battery located in the storage compartment in the rear driver side wheel well.
- c. Remove the front hood using the twist locks shown in Figure 1. Pull upward forcefully on the sides.
- d. Remove the upper front hood as shown in Figure 2
- e. For vehicles with OEM Wiper/Washer kit, remove the mounting bolt that secures the fill port for the washer fluid container and set it aside, see Figure 3
- f. Remove the bolt that holds the Brake Fluid fill port and move the assembly to gain access to the two tube support bars, see Figure 3
- g. Remove the main skid plate from the underbody of the vehicle. Use a 10mm socket to remove the 16 screws with large flange washer. There are four plastic push pins at the front of the skid plate and one hidden bolt that is recessed into the skid plate toward the front.
- h. Remove the rear skid plate from the underbody of the vehicle. Use a 10mm socket to remove the six screws with large flange washer. There are six additional screws recessed into the skid plate. This will give access to route the 5/8" Coolant Hose later in the installation.
- i. Open the radiator cap and then locate the two drain ports welded to the aluminum coolant lines under the vehicle, see Figure 4. Use a 10mm socket to drain the coolant from each port into a clean container to reuse later. Warning: Make sure the vehicle is cool and wear safety equipment as the fluid can come out of the port with force. Once drained, insert the screws and tighten.

## Honda Talon Ice Crusher Heater

### 2. Panel Modification for Vents

- a. Using the Driver Side Defrost Template, cut out the templates and position it as shown in Figure 5. Transfer the hole centers to the plastic dash and drill defrost vent holes using the included 55mm Hole Saw and Pilot Bit. 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. Each 2" Vent has an anti-rotation notch molded into it, fit the notch into the 'V' groove for easier install, See Figure 6.**
- b. Position the Switch Location Template as shown in Figure 7. Transfer the hole center and drill the Switch mounting hole location with a 7/16" drill bit.
- c. Drill out the five pop rivets on the Passenger Side warning label using a 1/4" drill bit and remove the warning label as shown in Figure 8. If the pop rivets spin while being drilled, a wire cutter can be used to cut the head of the rivet and remove the warning label. Use a flat head screw driver or other tool to pry the aluminum label plate from the dash. Position the Passenger Side Defrost Bracket on the dash, align the five rivet holes with the bracket holes. Mark the approximate hole center of the two larger holes as well as the top middle 1/4" Hole center. Remove the bracket and drill the two interior hole centers with the 3" Hole saw and Pilot Bit. Drill the rivet holes and top hole with a 1/4" drill bit. Install the Dash Bracket using the six 1/4" Plastic Push Pins.
- d. Position the Driver Side Lower Left Vent Template as shown in Figure 9. Transfer the hole center and drill using the 55mm Hole Saw.
- e. Position the Driver Side Lower Right Vent Template as shown in Figure 10. Transfer the hole center and drill using the 55mm Hole Saw.
- f. Position the Passenger Side Footwell Template as shown in Figure 11. Transfer the two hole centers and drill using the 55mm Hole Saw and 3" Hole Saw.

### 3. Duct Hose Hookup and Heater Unit Mounting

- a. Use four of the #8 x 1/2" Screws to install the 3" Duct Port into the Passenger Side Foot well as shown in Figure 12.
- b. Press the 3" Grill Cover over the 3" Duct Port as shown in Figure 12.
- c. Attach the 4" piece of 3" Duct Hose to the 3" Duct Port from either top or bottom of the vehicle. Secure the hose using a zip tie. **Installation Tip: It may help to rotate the hose in a Counter Clockwise direction to screw it on to the fitting.**
- d. Assemble the two side brackets to the Heater unit as shown Figure 13 using the included M6-1.0 x 12mm Serrated Flange Bolts. Take note of the orientation of the copper ports on the heater and the side brackets.
- e. Cut the included 14 feet (20 feet for four seat version) of 5/8" Heater Hose into two lengths, one that is six (nine for four seat version) feet in length, leaving an additional piece that is eight (11 feet for four seat version) feet long.
- f. If the copper ports of the heater have black plugs in the end, remove them.
- g. Attach the two lengths of 5/8" Heater Hose to the copper pipes (orientation doesn't matter) and secure using two #10 hose clamps. **NOTE: Do not use an impact gun to tighten the fittings as overtightening can collapse the copper pipes.**

## Honda Talon Ice Crusher Heater

- h. Use the 1/4" x 3/4" Serrated Flange Bolts to secure the Splash Guard bracket to the two side brackets as shown in Figure 14.
- i. Zip tie the wiring harness pigtail to the Splash Guard Bracket as shown in Figure 14. Connect the White four pin connector on the heater to the White four pin connector on the included wiring harness.
- j. Using a 1/4" Drill Bit, drill holes in the two framing members found at the front of the vehicle as shown in Figure 15.
- k. Route the two 5/8" Heater Hoses through the opening in the front of the vehicle toward the ground through the center tunnel.
- l. Position the heater over the two 1/4" holes drilled in the frame members with the copper fittings toward the front of the vehicle. Before attaching the heater to the frame attach the 3" Duct Hose to the 3" Port on the side of the heater. Secure the hose with a zip tie.
- m. Attach the heater assembly to the vehicle frame using the 1/4" x 1 1/4" Serrated Flange Bolts and 1/4" Nylock Nuts.
- n. Cut the 2" duct hose according to Figure 16. Note: Lengths are measured in a compressed state. Assemble the hoses to the Plastic Y fittings as shown and secure using zip ties.
- o. Attach the 8" length of compressed 2" Duct Hose to one of the 2" Vents, secure using a zip tie. Insert the hose end through the hole created in the Passenger side foot well. Angle the vent to allow the zip tie to pass through the opening first and press the vent into place.
- p. Pull the hose through from the front of the vehicle and route it behind the washer fluid tank toward the front of the vehicle staying to the passenger side of the vehicle as shown in Figure 17. Attach the hose to the heater as shown in Figure 18.
- q. Attach the single 6" lengths of compressed 2" Duct Hose to one of the 2" Vents, secure using a zip tie. Insert the hose end through the hole created to the Driver's Right Hand side. Insert the 2" Vent. Route the hose to the heater and attach as shown in Figure 18
- r. Attach the assembled Passenger Side Defrost hose to the heater on the passenger side and route the hose to the defrost bracket. Route the two hoses through the openings in the Defrost Bracket and attach the 2" vents. Install them into the bracket as shown in Figure 19
- s. Attach the assembled Driver Side Defrost & Hand hose to the heater on the Driver side and route the hose to the remaining holes on the Driver side. Route the two hoses through the openings, attach the 2" vents and install them into the bracket as shown in Figure 20.

## 4. Electrical Hookup

- a. Attach the White 4-Pin Connector to the 4-Pin Connector on the Heater Unit. Connect the 1/4" Female Spade terminals to the 3-Speed Fan Switch as shown Figure 21. Route the switch to the 7/16" hole drilled earlier, push the switch through the hole, place the red bezel over the switch and the black bezel over the red one. Secure the brackets together using the 7/16" Low Profile Nut and a 9/16" Socket.
- b. Align the switch assembly with the dash feature and secure using the 2 #8 x 3/4" Lath screws. Do not over tighten. See Figure 22.

## Honda Talon Ice Crusher Heater

- c. Route the Blue and Black wires of the harness to the auxiliary connector mounted to the vehicle frame on the driver side as shown in Figure 23. Connect the Blue Wire to the White/Black wire and the Black wire to the Green wire using the blue insulation displacement crimps.
- d. Reconnect the vehicle battery and test that each speed of the heater fan is working.

### 5. Heater Hose Routing and Plumbing

- a. Locate the oiler cooler bypass line at the driver side rear of the vehicle as shown in Figure 24.
- b. If you purchased the optional Auxiliary Water Pump to boost low RPM heater performance, skip to the end of these instructions for specific plumbing and mounting instructions.
- c. Cut the Oil Cooler Bypass line between the two retainer clips as shown in Figure 25. Note, some coolant may drain out.
- d. Insert one of the ½" x 5/8" Barbed fittings and secure using a #10 Hose Clamp.
- e. Loosen the hose clamp on the return side of the Oil Cooler Bypass shown in Figure 26. Rotate the hose so it is angled toward the front of the vehicle. Install the remaining ½"x5/8" Barbed fitting and secure using a #10 Hose Clamp as shown in Figure 27. Retighten the Hose Clamp that was loosened on the Oil Cooler Bypass Return line.
- f. Route the 5/8" Heater Hoses from the Heater toward the Oil Cooler Bypass Lines.
- g. **Installation Tip: The easiest way we have found to ensure a fast and thorough air bleeding process as it to hookup a garden hose to one of the 5/8" heater hoses prior to final connection. Place a bucket under the other 5/8" hose and run water through the heater system for 30-60 seconds. With the inner walls of the heater system wet trapped air will very easily be pushed out toward the radiator and able to escape in the atmosphere. Performing this step is not necessary but will save you a great deal of frustration and make bleeding the system much easier. Allow any excess water to drain from the hoses.**
- h. Attach the shorter length of 5/8" Heater Hose to the Return Side of the Bypass using a #10 Hose Clamp. Cut the hose to length if needed.
- i. Route the remaining 5/8" Heater Hose to the Sending Side of the Bypass and attach it with the #10 Hose Clamp, again cutting to length if needed.
- j. Use the included zip ties to secure the 5/8" Hose away from the drive shaft and any other moving or hot parts of the vehicle.

## Honda Talon Ice Crusher Heater

### 6. Reassembly

- a. Secure duct hoses, wires and 5/8" Heater Hoses away from sharp, moving or hot parts of the vehicle using the remaining zip ties.
- b. Reinstall the Wiper Fill port and Brake Fluid reservoir, the top dash panel, and any other components removed prior.

### 7. Coolant Bleeding

- a. Refill the reservoir at the front of the vehicle using manufacturer approved coolant. Open the radiator cap and fill the radiator completely. Replace radiator cap. Start the vehicle and run at a fast idle. Monitor the vehicle temperature, do not allow the vehicle temperature to exceed 210 degree Fahrenheit. Run the vehicle until the radiator fan has turned on and cooled the vehicle to normal operating temperature. Turn off vehicle and check for leaks at all connection points.
- b. Allow vehicle to cool completely (this can take several hours), recheck cooling system level, fill as required. 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 heater operation while running the vehicle. 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.
- c. If the heater fails to blow hot/warm air once the vehicle is up to operating temperature, there is likely 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 heater operation. **Please note:** Heater output will be limited at idle, all testing should be done at a fast idle.

# Honda Talon Ice Crusher Heater

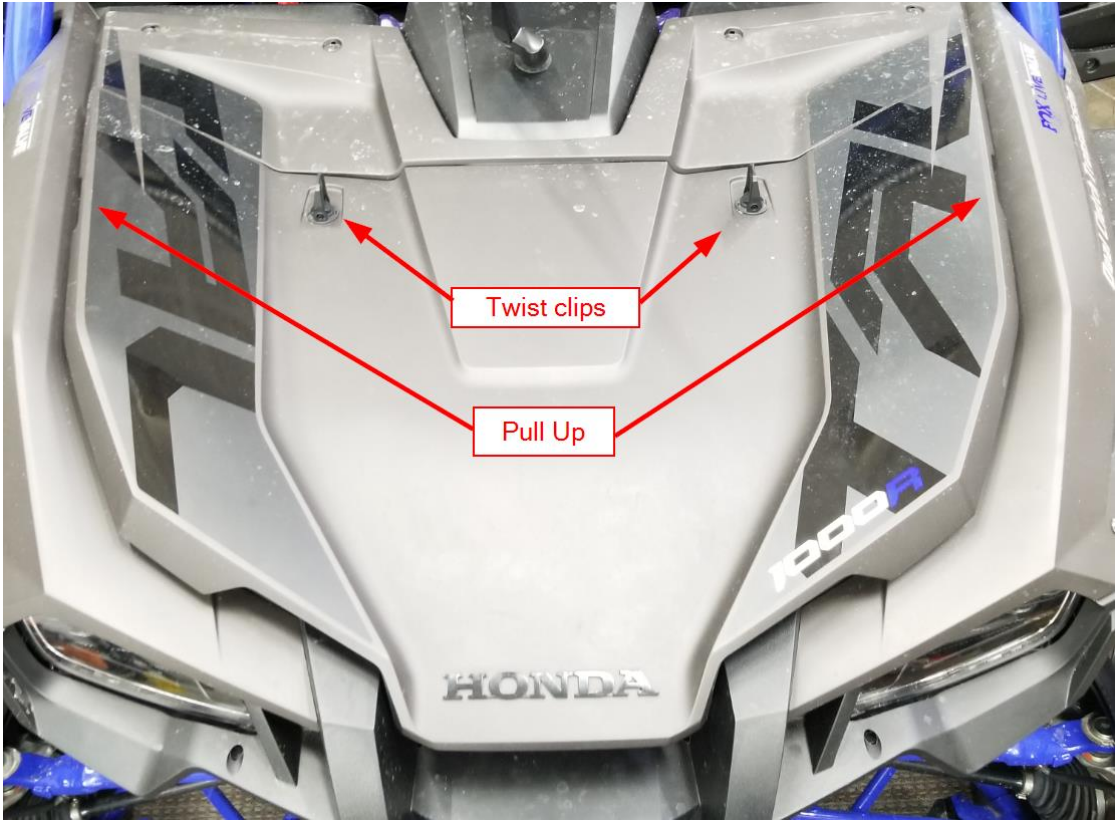


Figure 1

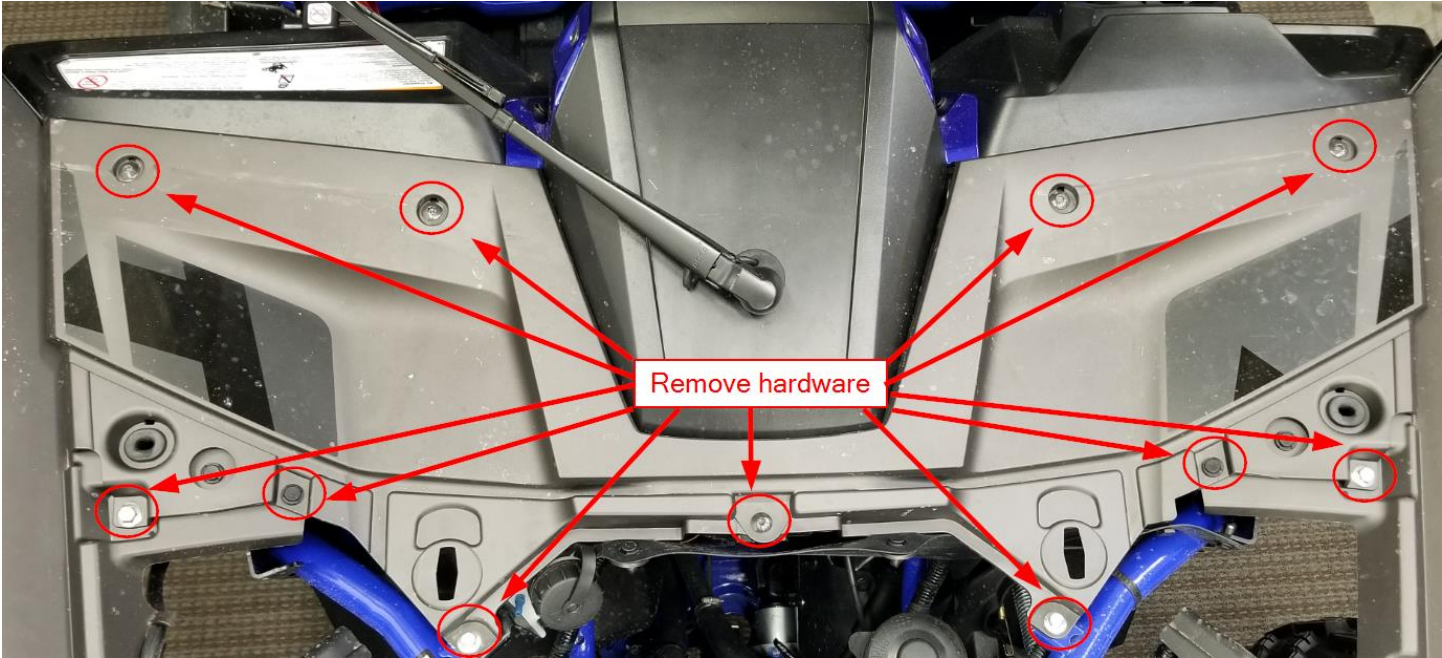


Figure 2



# Honda Talon Ice Crusher Heater

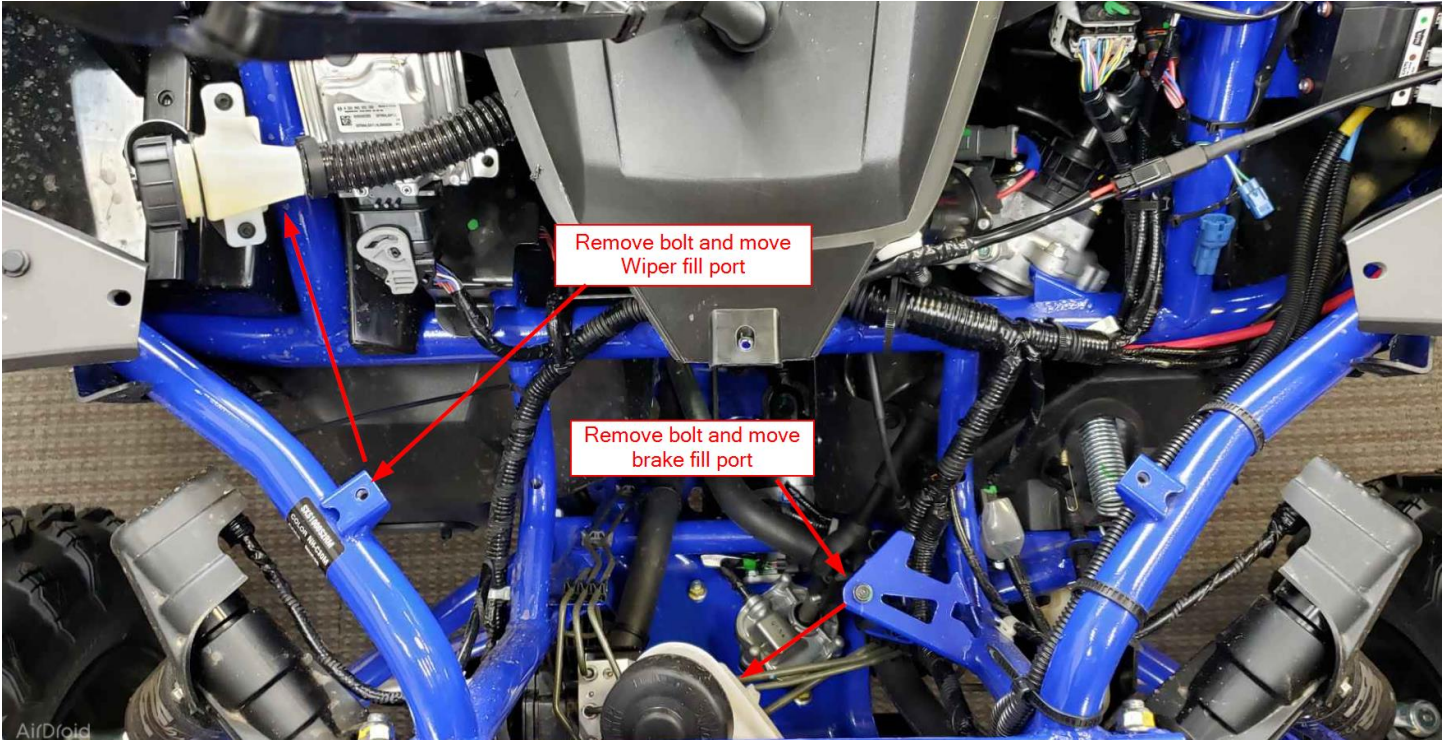


Figure 3



Figure 4

**Honda Talon Ice Crusher Heater**

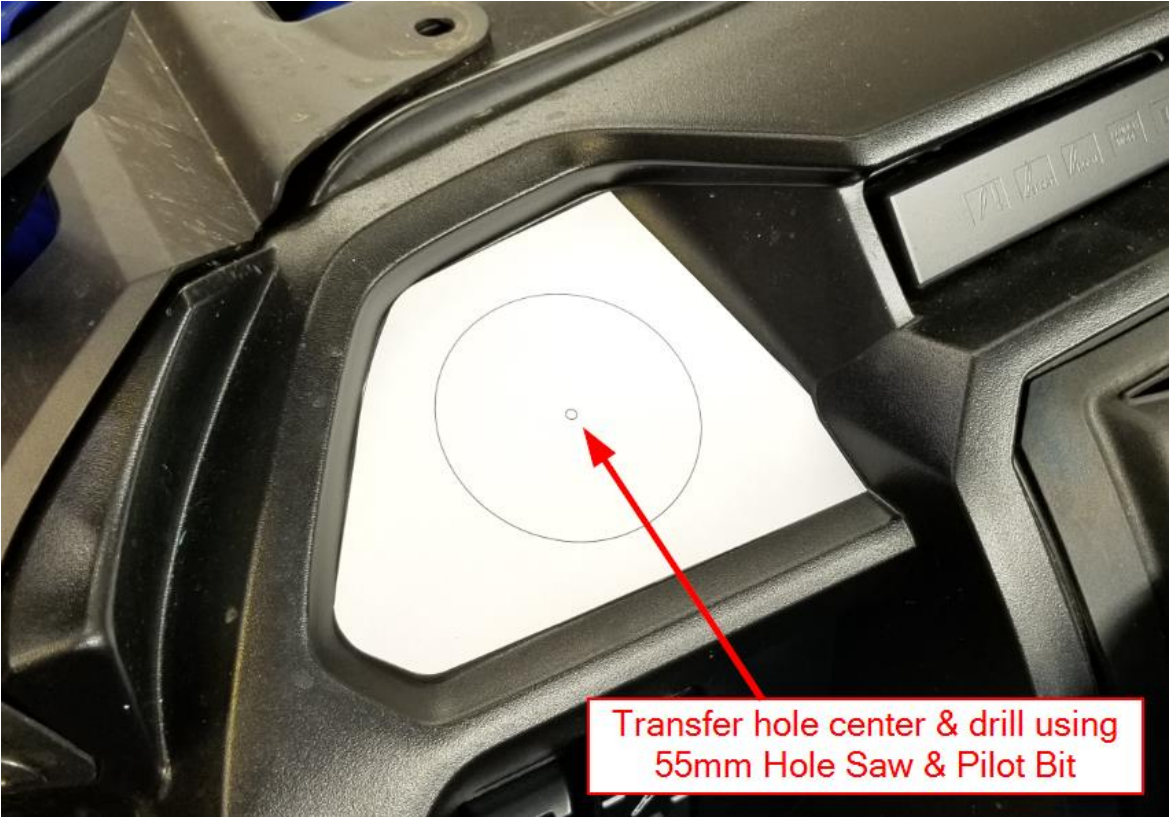


Figure 5

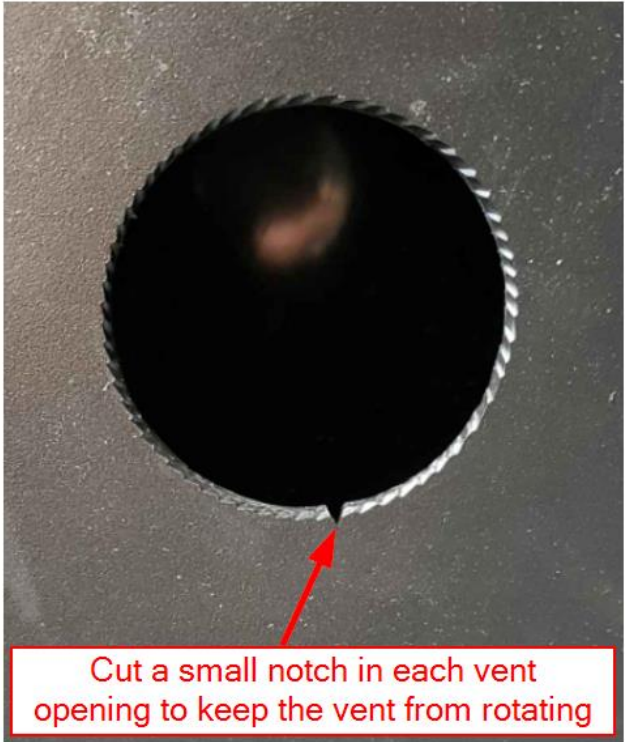
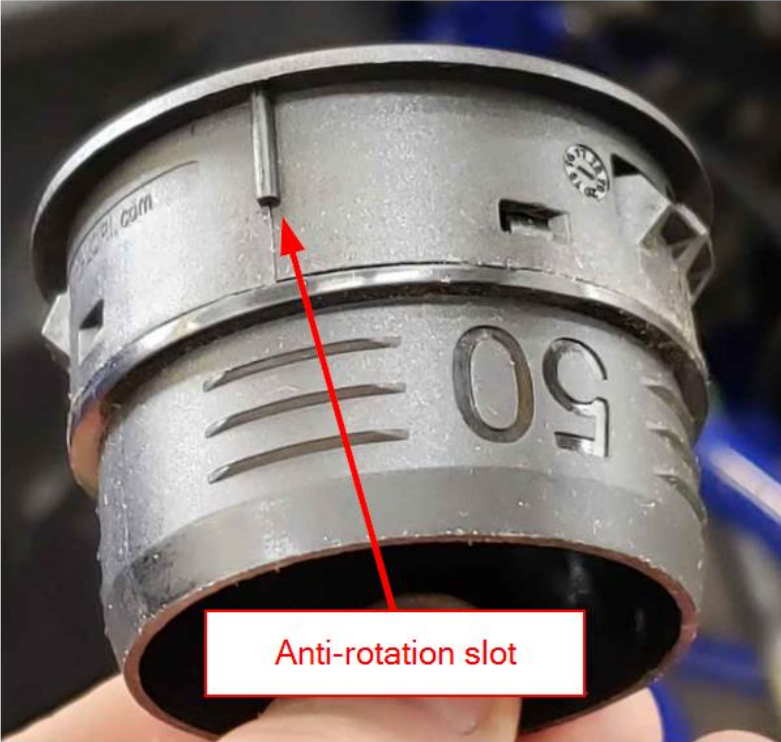


Figure 6

# Honda Talon Ice Crusher Heater



Figure 7

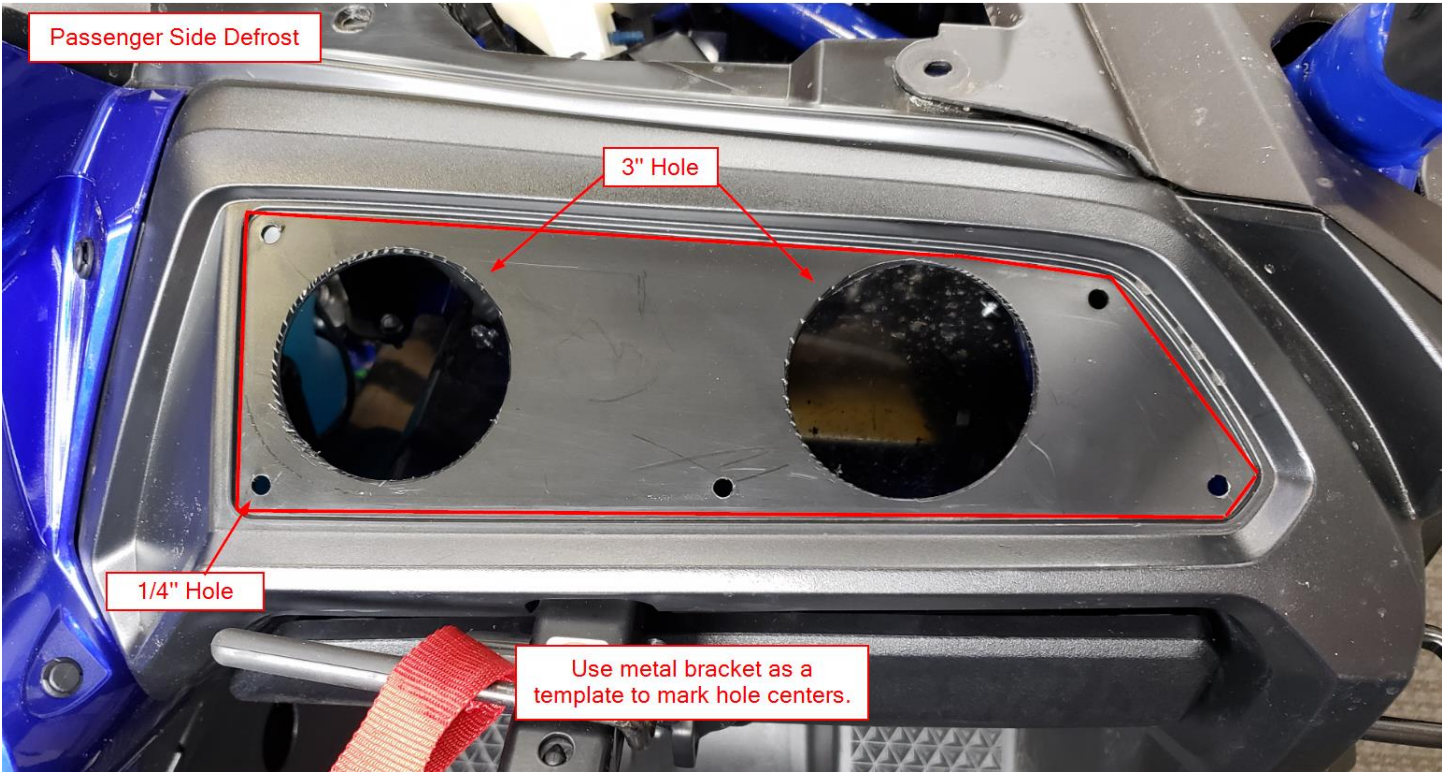


Figure 8

**Honda Talon Ice Crusher Heater**

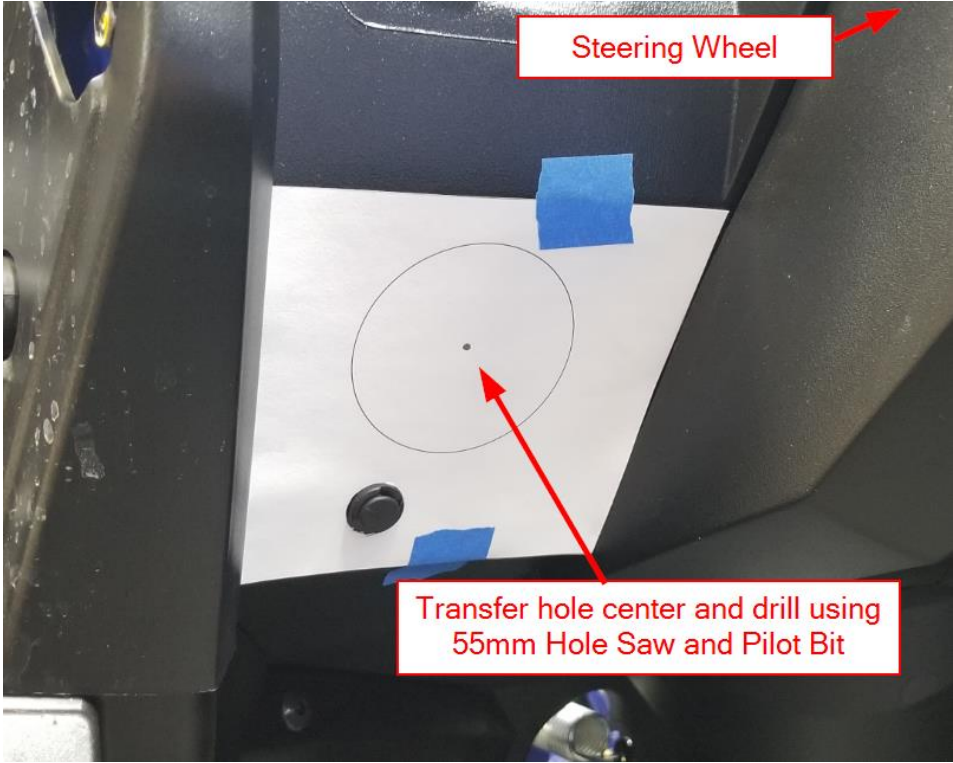


Figure 9

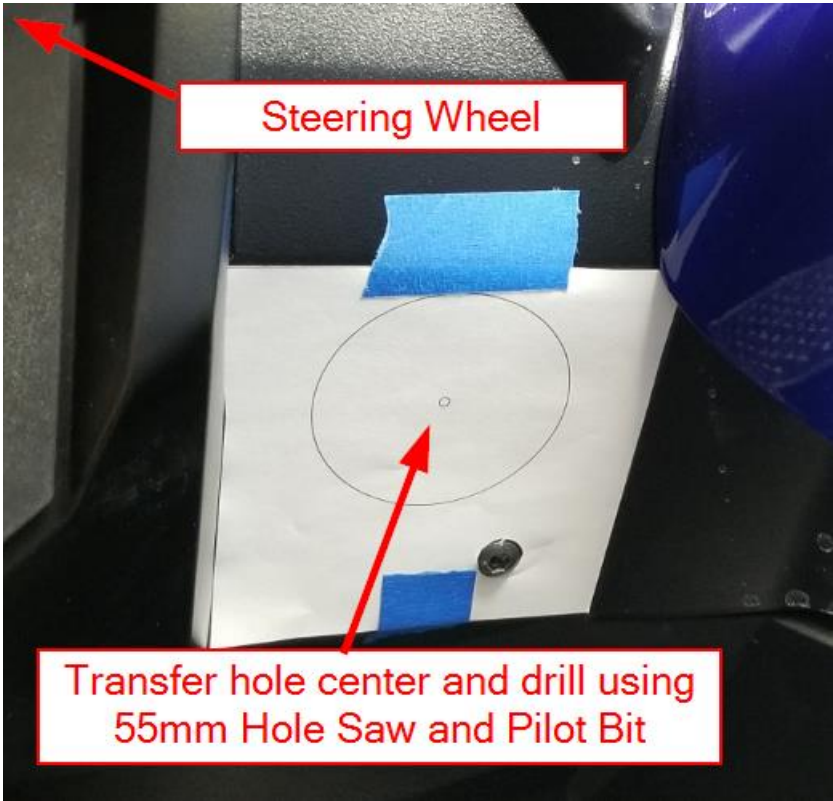


Figure 10

### Honda Talon Ice Crusher Heater

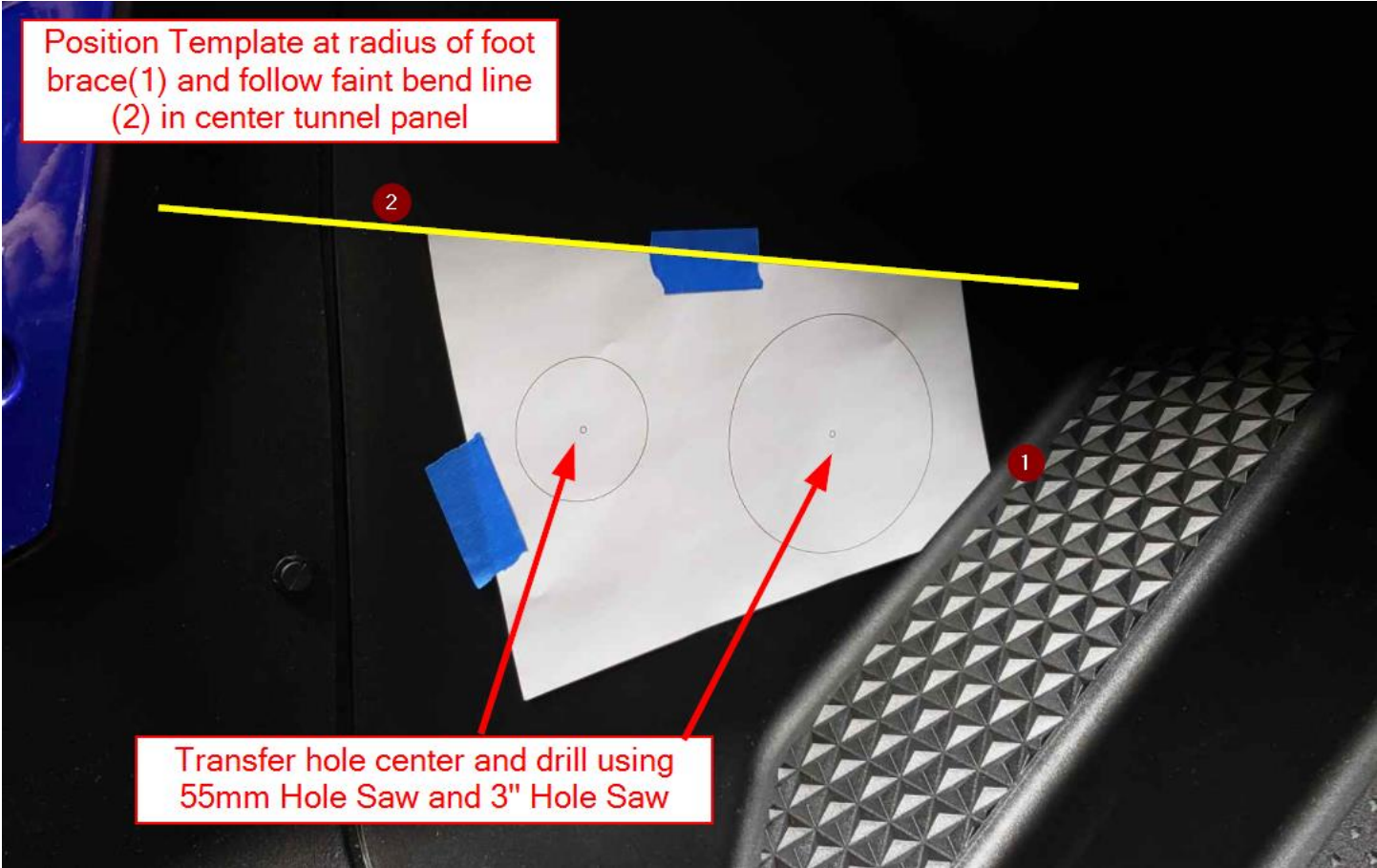


Figure 11

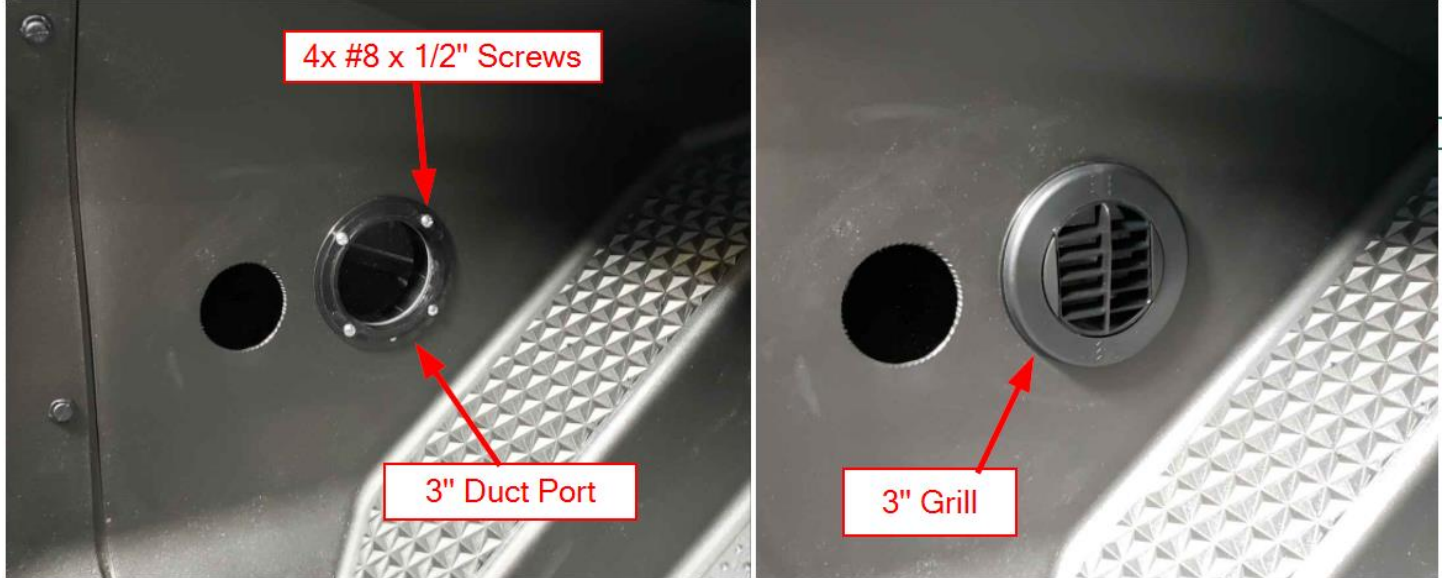


Figure 12

# Honda Talon Ice Crusher Heater



Figure 13

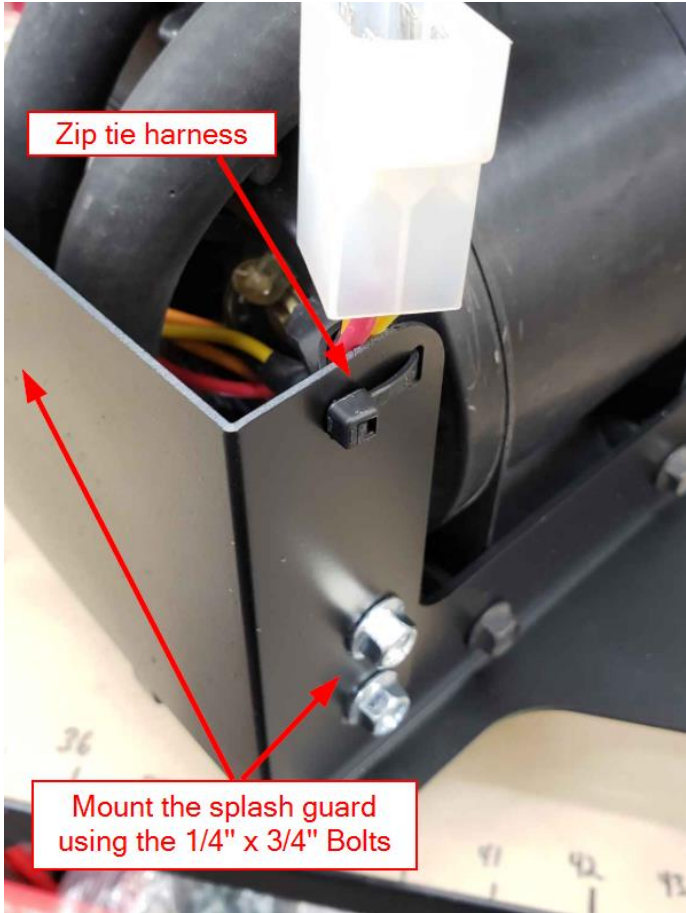


Figure 14

**Honda Talon Ice Crusher Heater**

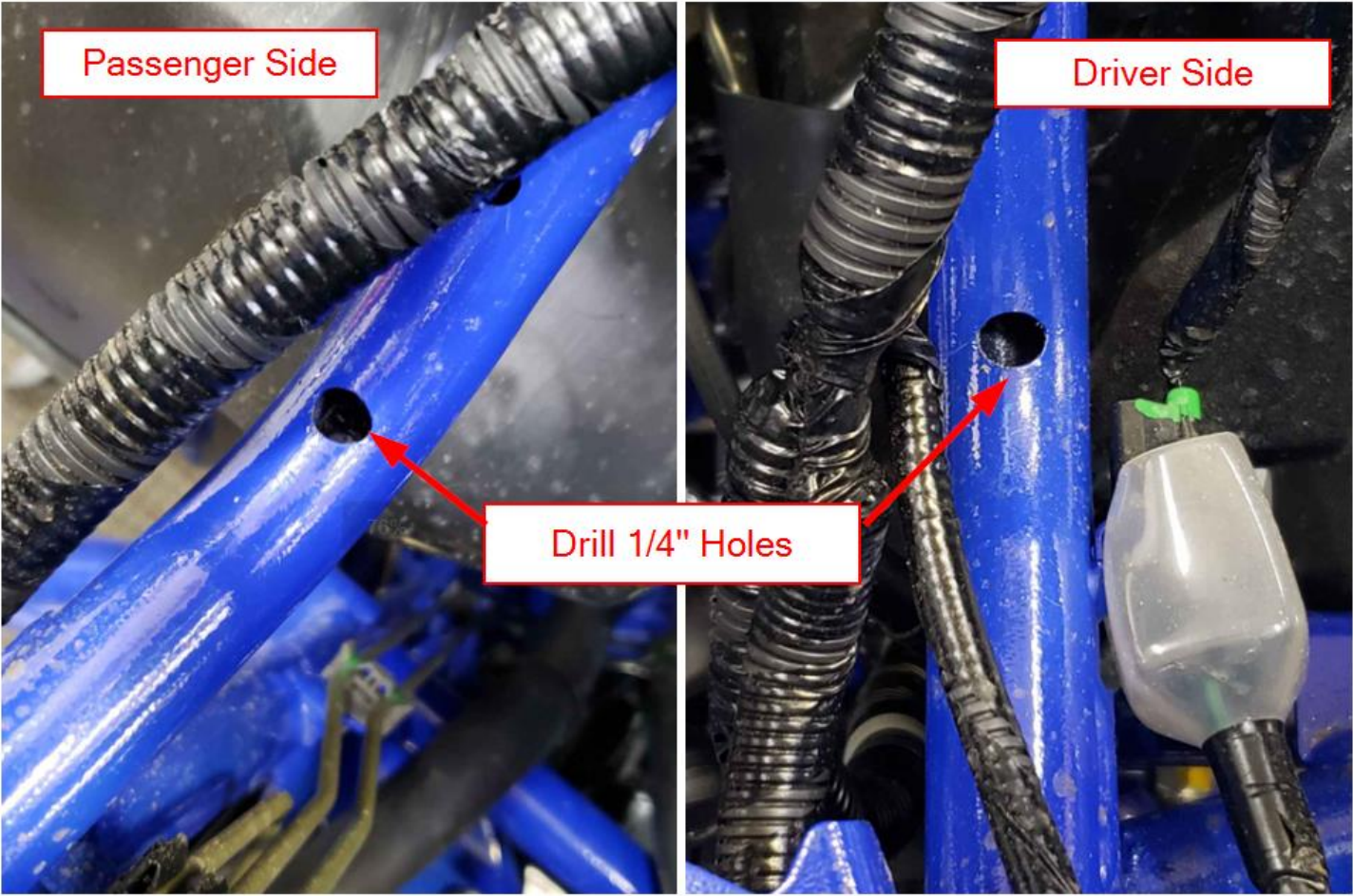
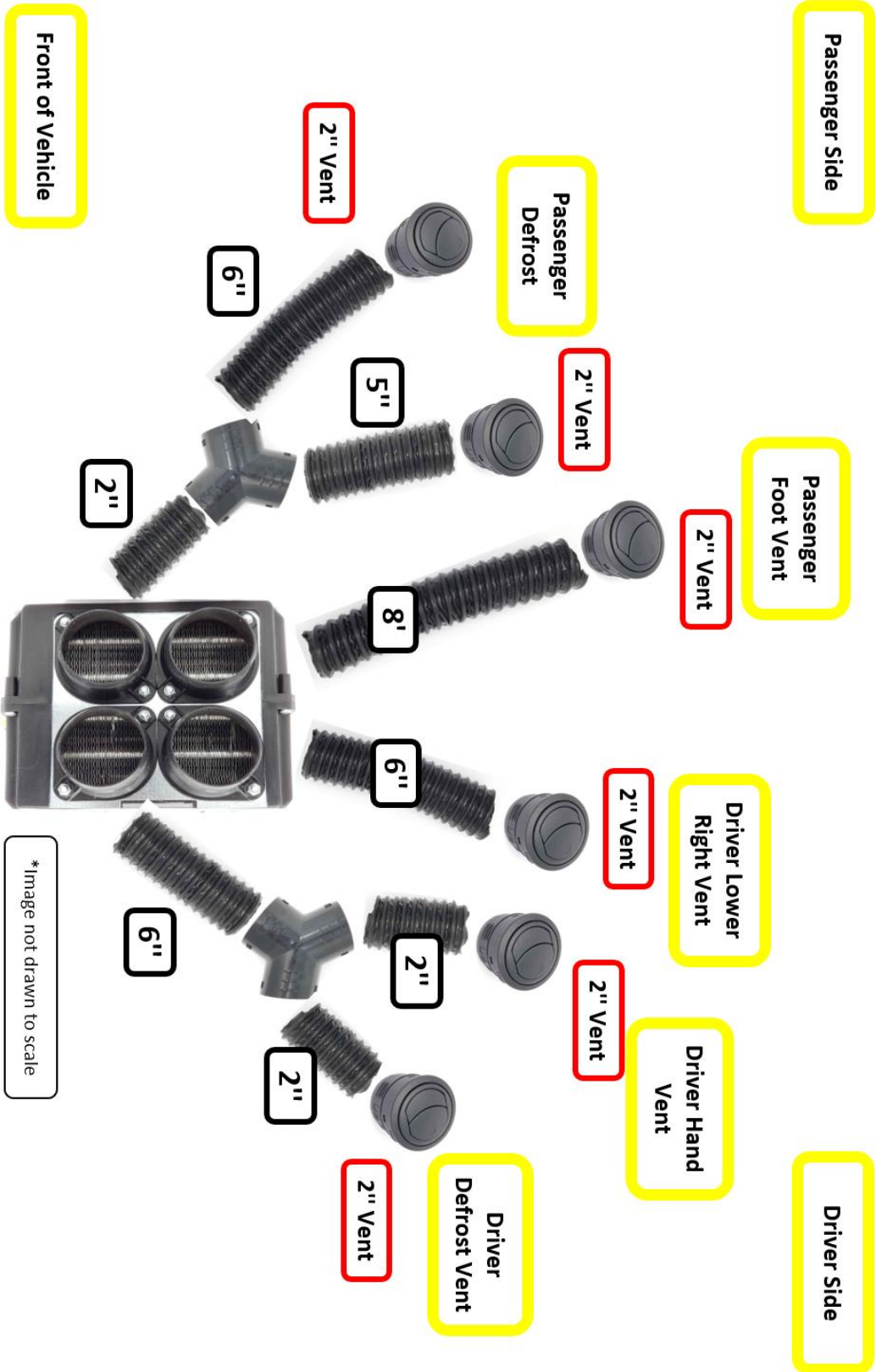


Figure 15

**Honda Talon Ice Crusher Heater**



\*Image not drawn to scale

Figure 16



# Honda Talon Ice Crusher Heater

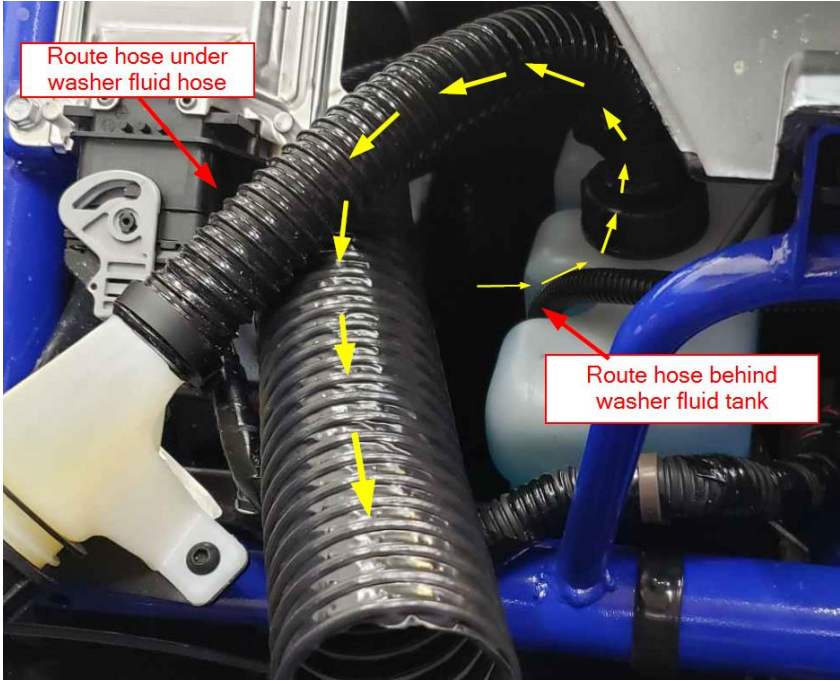


Figure 17

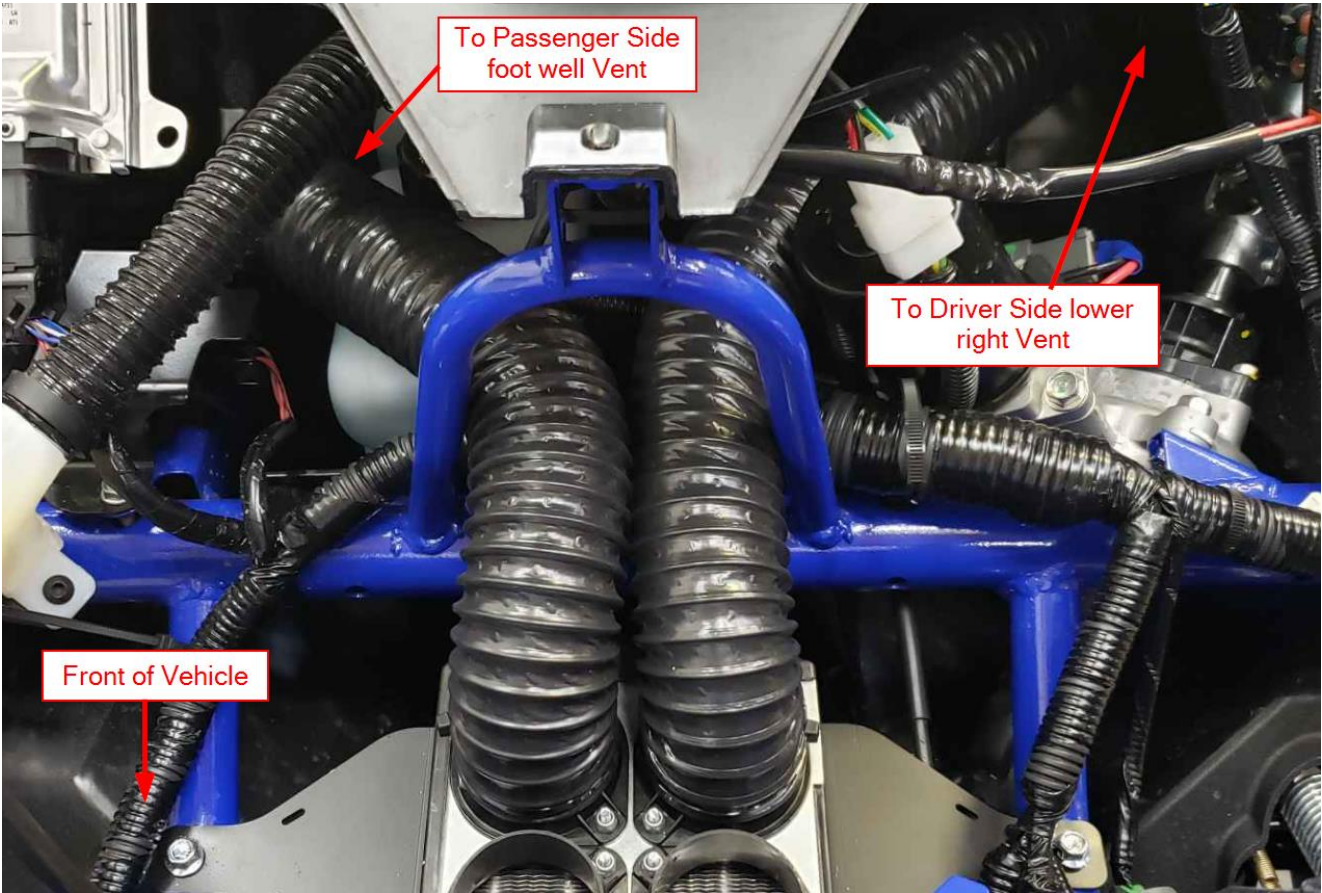


Figure 18

**Honda Talon Ice Crusher Heater**

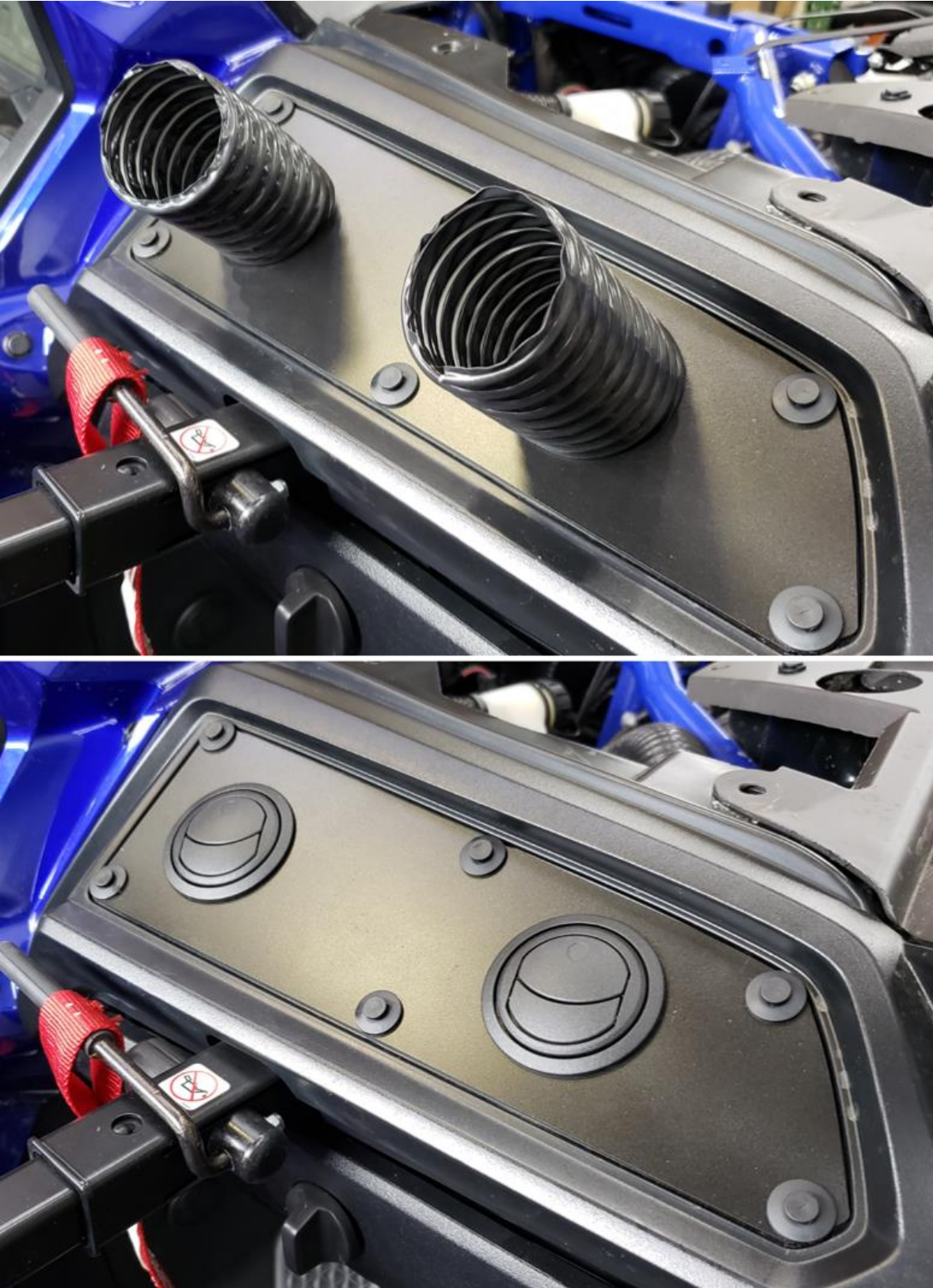


Figure 19

**Honda Talon Ice Crusher Heater**

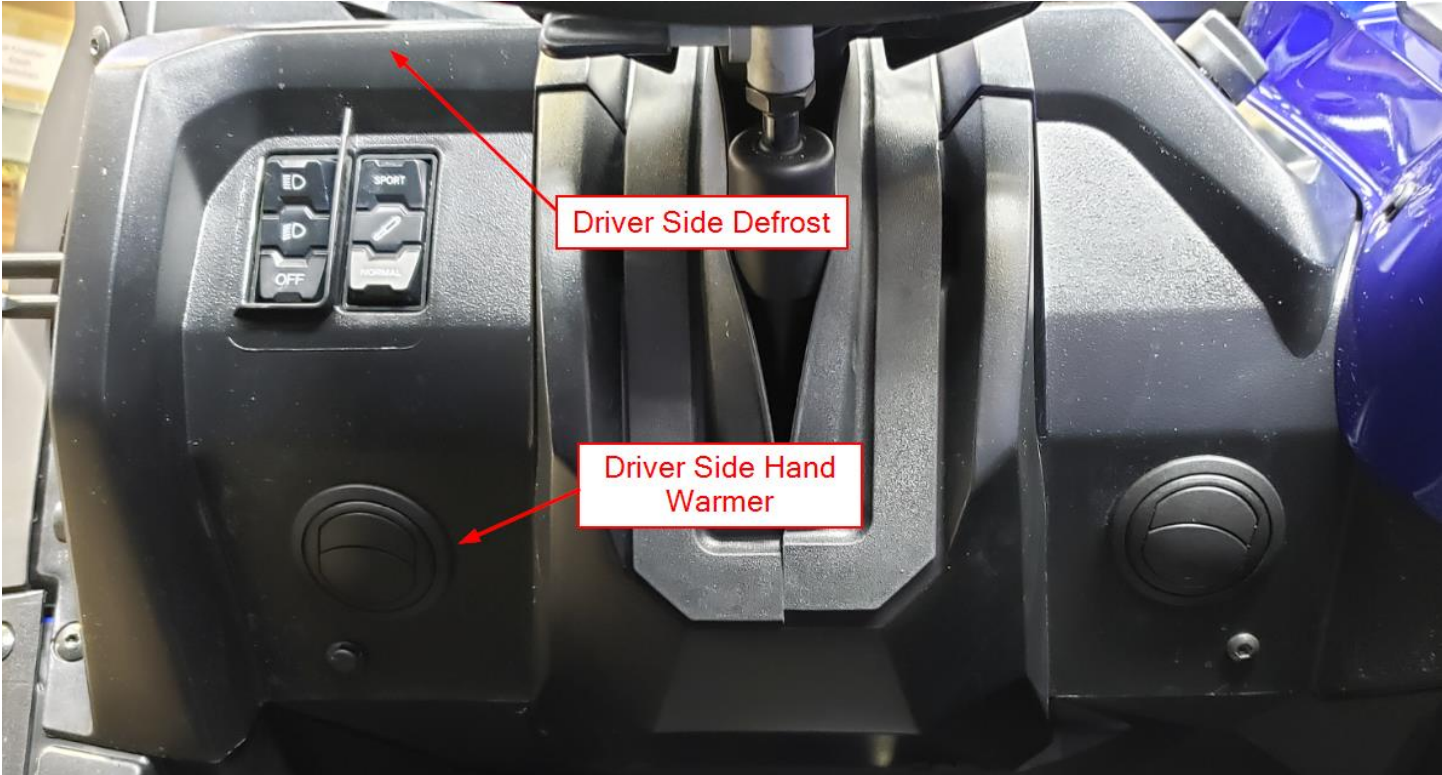


Figure 20

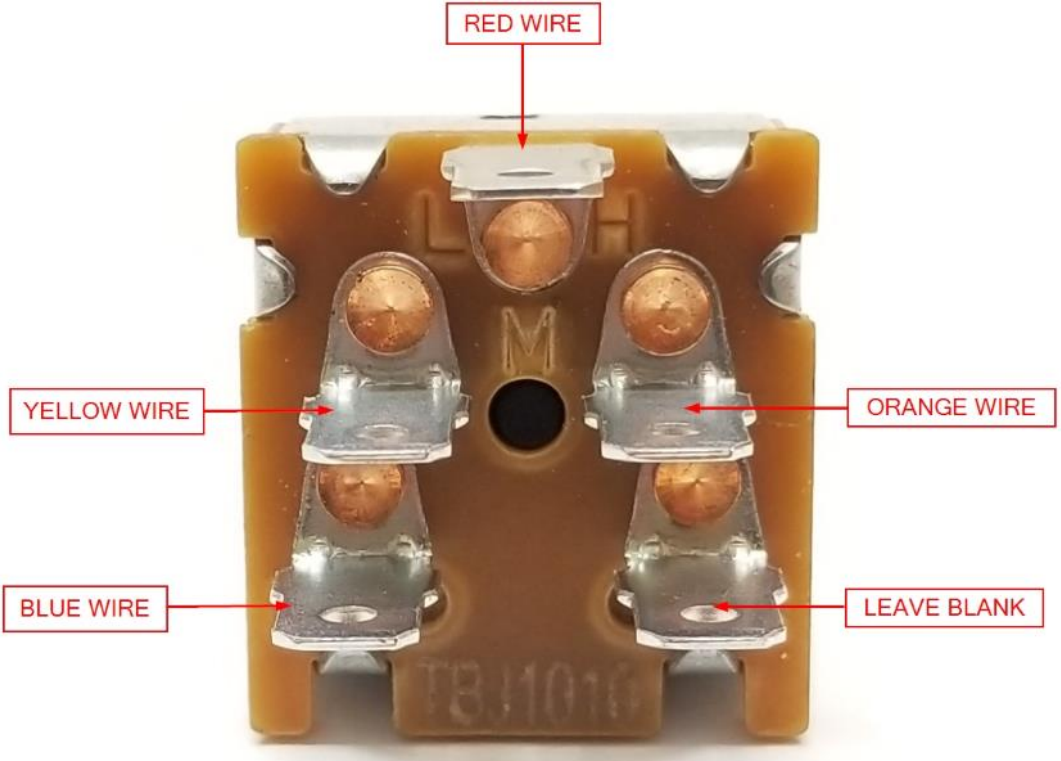


Figure 21

# Honda Talon Ice Crusher Heater

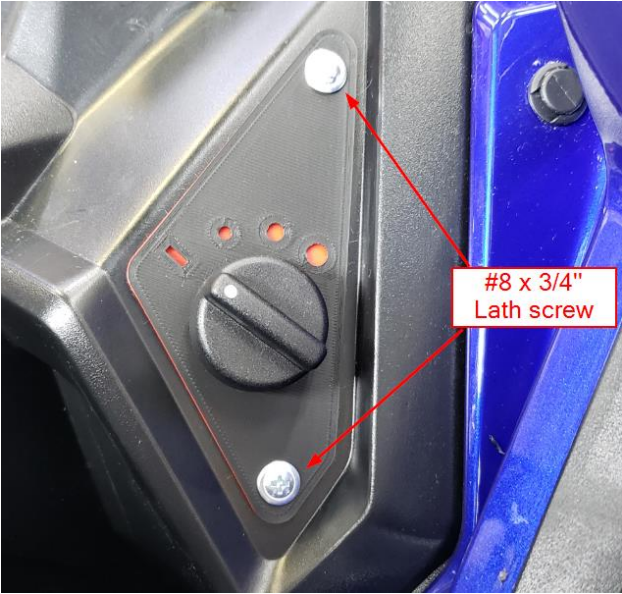


Figure 22

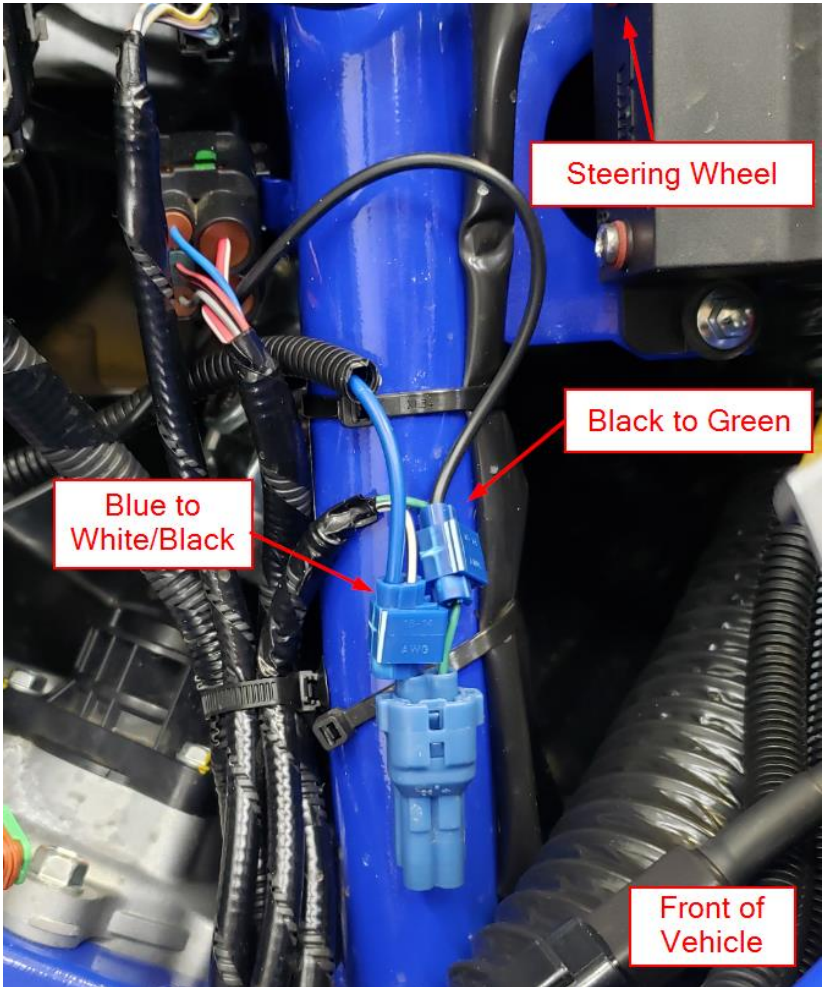


Figure 23

# Honda Talon Ice Crusher Heater

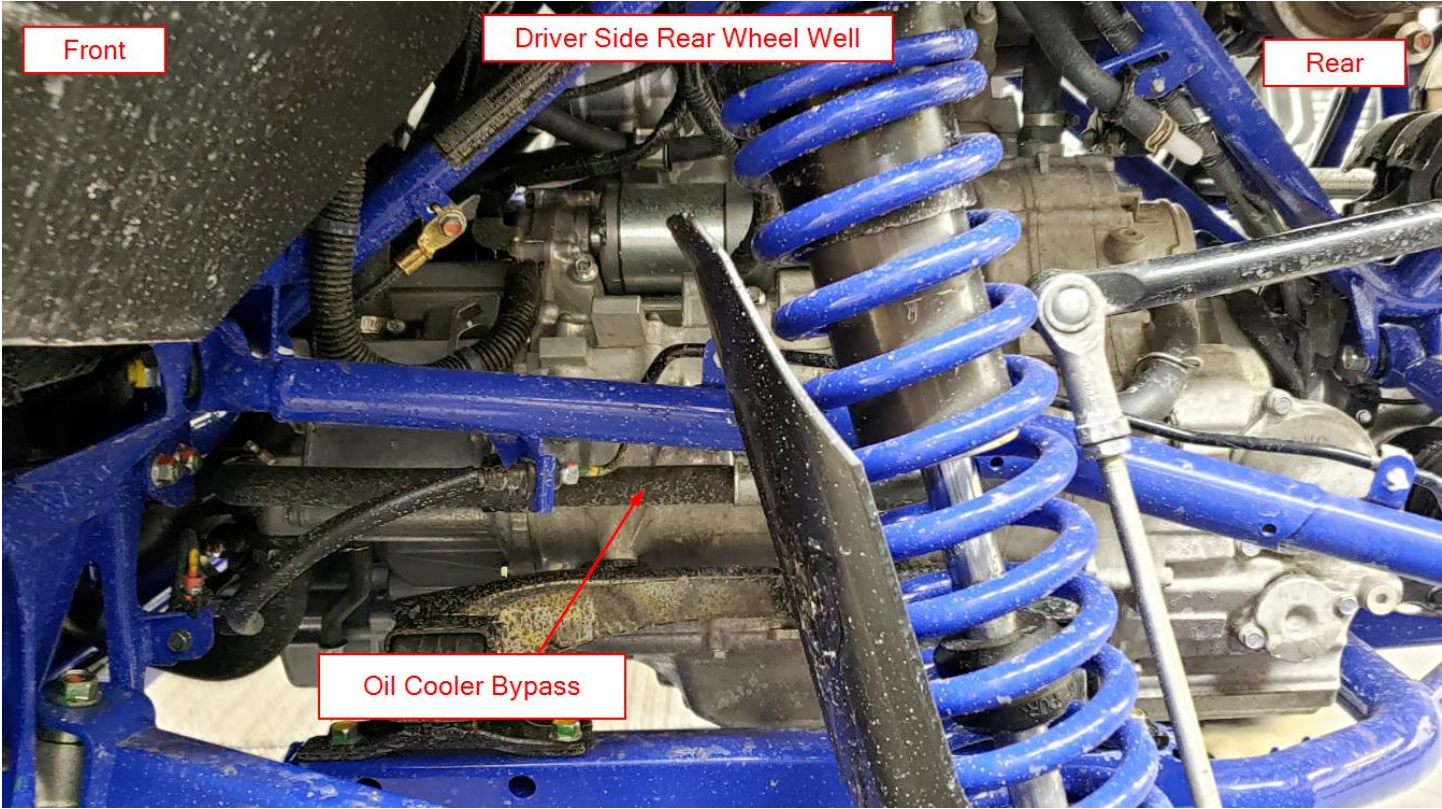


Figure 24

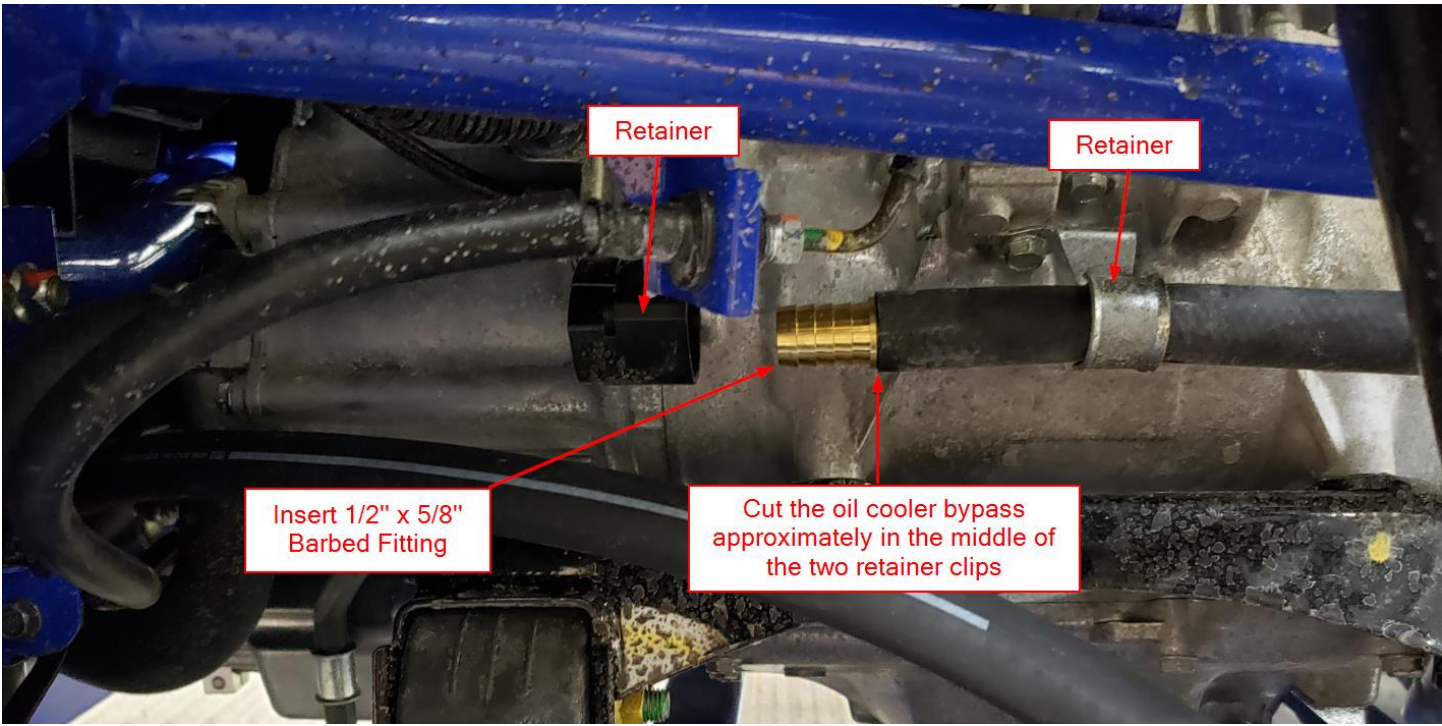


Figure 25

**Honda Talon Ice Crusher Heater**



Figure 26

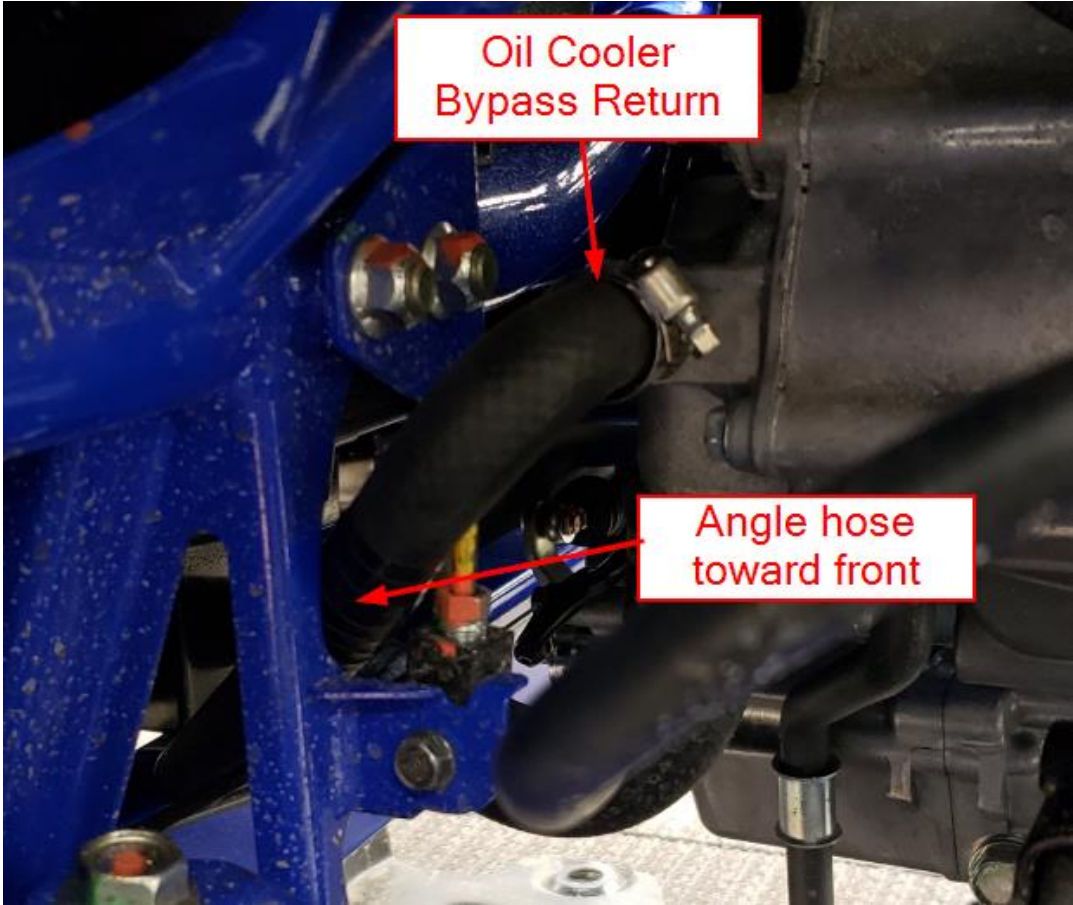


Figure 27

## Honda Talon Ice Crusher Heater Auxiliary Water Pump Installation:

- a. Remove the battery cover clips to expose the battery as shown in Figure 28.
- b. Remove the lower two bolts from the battery compartment as shown in Figure 29.
- c. Remove the Silver bracket from the Water Pump and throw the bracket away. Attach the included Water Pump Mounting Bracket to the Pump as shown in Figure 30, using the three ¼"-20 x 1 ½" Serrated Flange Bolts, ¼" Flat Washers and ¼" Nylock Nuts.
- d. Cut a short piece of 5/8" Heater Hose and attach it to the Water Pump using #10 Hose Clamps. Attach the 90 Degree 5/8" Port in the orientation shown in Figure 31 and secure using #10 Hose Clamps.
- e. Attach the Water Pump Assembly to the Battery Compartment as shown in Figure 32 using the original hardware.
- f. Cut another short piece of 5/8" Heater Hose, secure it to the 90 Degree Port with a #10 Hose Clamp and connect the 5/8" Heater Hose to the ½" x 5/8" Barbed Fitting installed in the Oil Cooler Bypass Line as shown in Figure 32.
- g. Connect the included wiring harness to the water pump and route the remainder to the front of the vehicle. Zip tie the harness away from any sharp, hot, or moving parts.
- h. Remove the switch panel from the center console and route the Harness into this compartment.
- i. Use the Blue Insulation Displacement Crimps to connect the Harnesses Red wire to one of the Auxiliary power wires in the switch compartment and connect the Harnesses Black wire to one of the ground wires. Insert the Dash Switch into an open slot and insert the connector plug to the back of the Dash Switch.
- j. Turn the vehicle ON and let it run for a minute prior to turning the Water Pump ON. This will prime the pump with coolant and eliminate air locks in the pump.

# Honda Talon Ice Crusher Heater

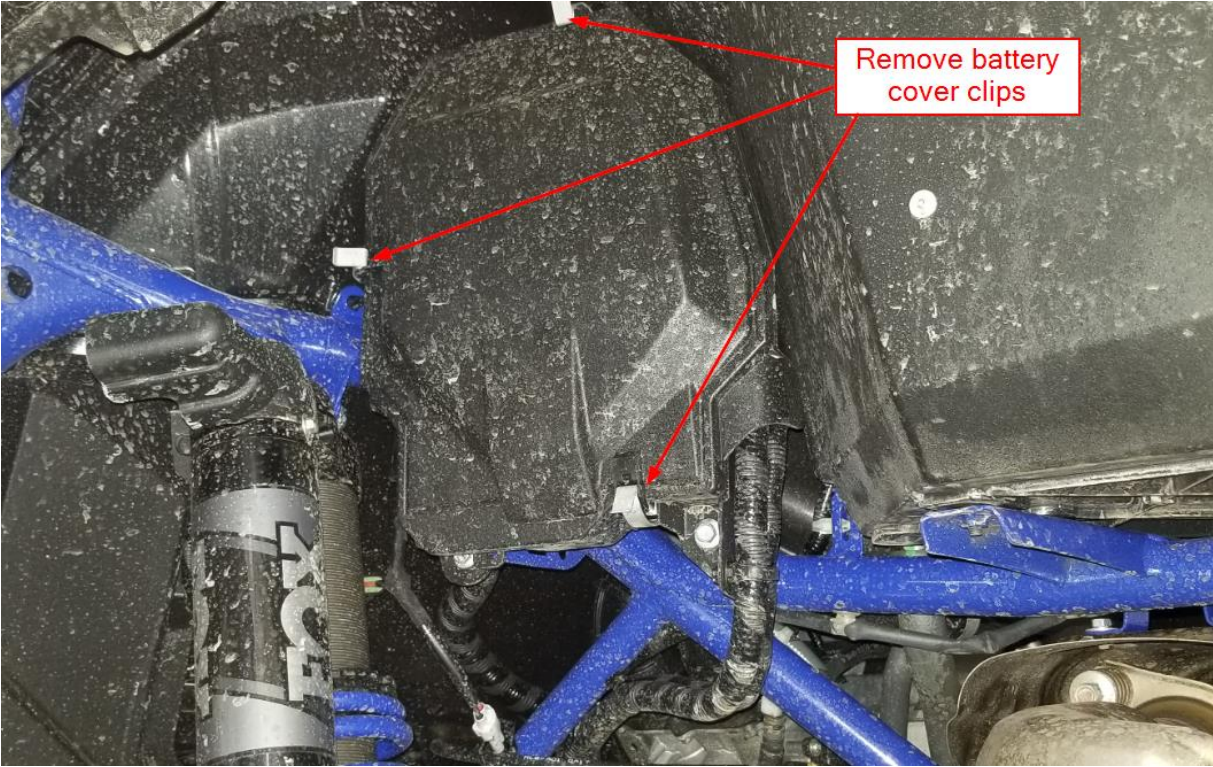


Figure 28

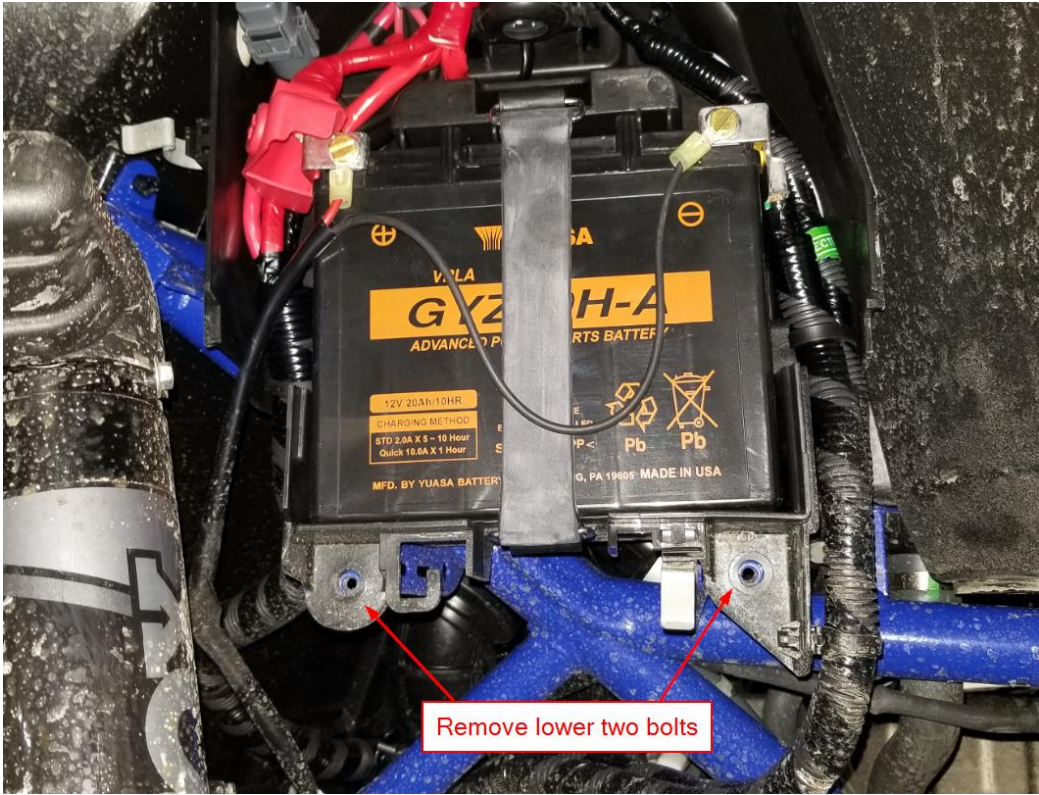


Figure 29



## Honda Talon Ice Crusher Heater

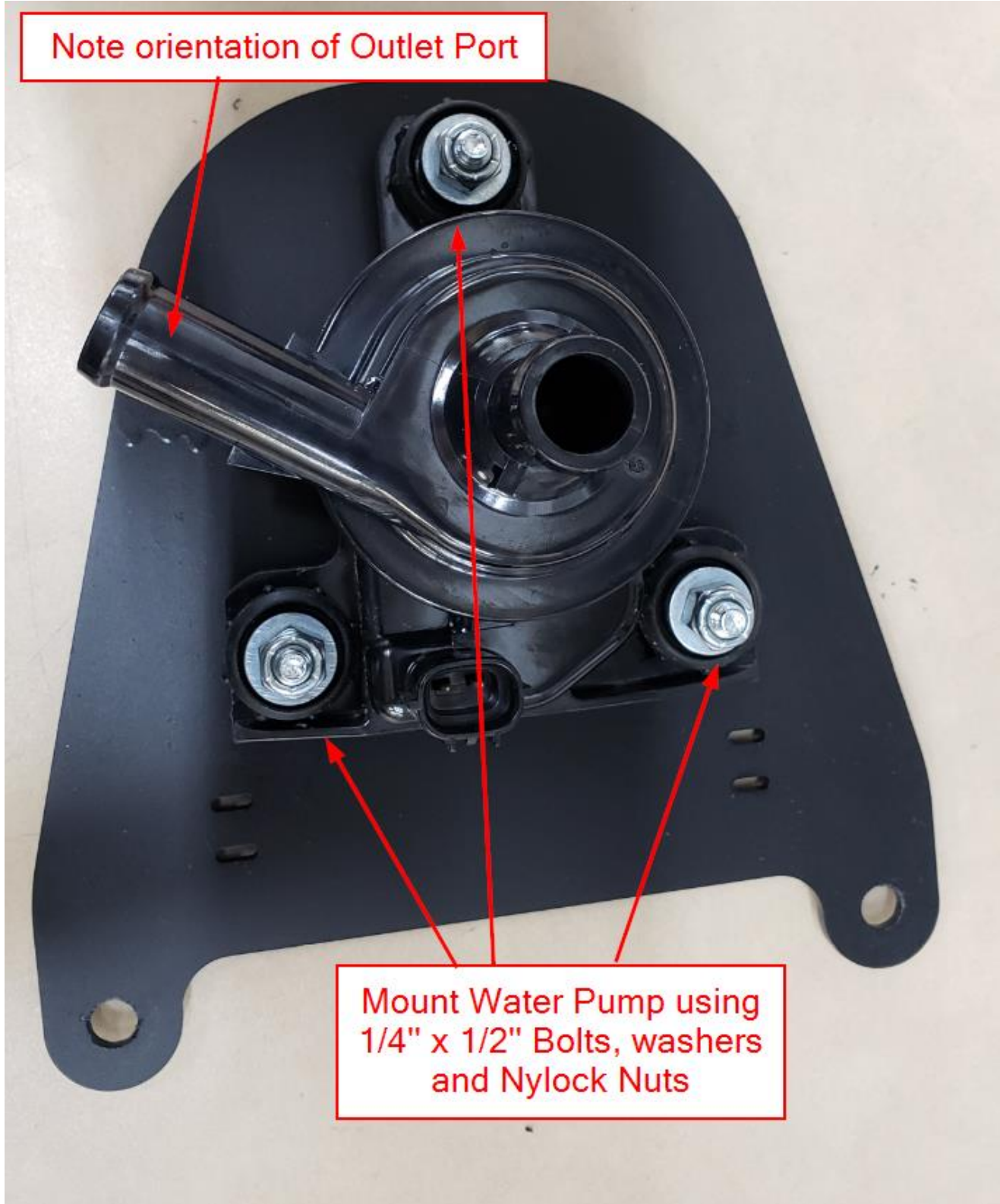


Figure 30

**Honda Talon Ice Crusher Heater**



Figure 31

**Honda Talon Ice Crusher Heater**

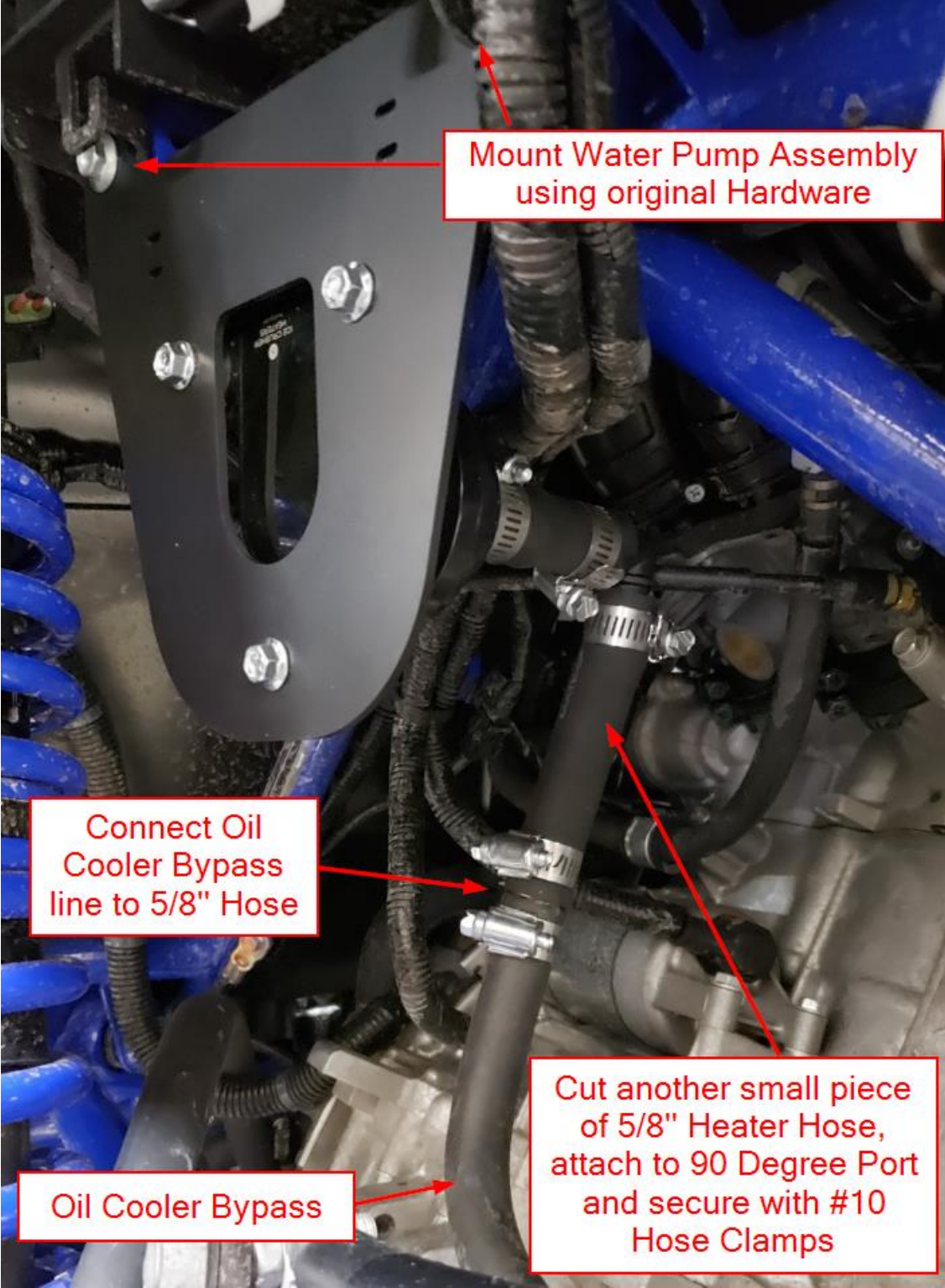


Figure 32



## Honda Talon Ice Crusher Heater

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

### **\*Coutersproducts.com/UTVHeaters.com Heater Warranty. 3 Year/36 Month Limited Warranty**

UTV 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.

UTV Heaters obligation under this warranty are limited to repair of the product at UTV Heaters production facility, or the replacement of the product at UTV Heaters option and at UTV 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 UTV Heaters, customer must contact UTV Heaters customer service, (888)-964-0135, [info@utvheaters.com](mailto: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 UTV 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. UTV 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](http://utvheaters.com) and [coupersproducts.com](http://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:

Couper's Products

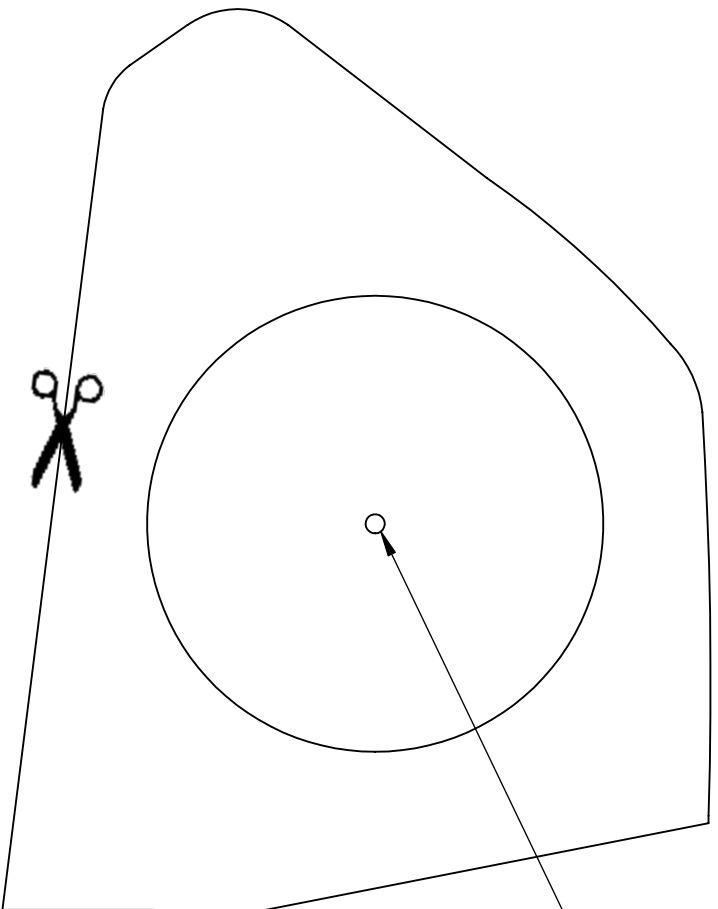
Attn: Warranty

23001 Industrial Blvd

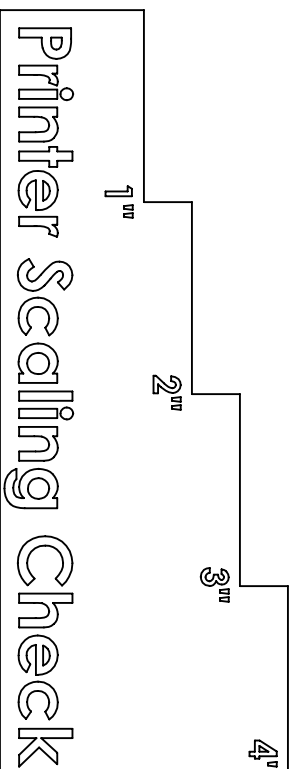
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# Driver Side Defrost Template



Drill Using 55mm Hole Saw



Printer Scaling Check

1<sup>inch</sup>

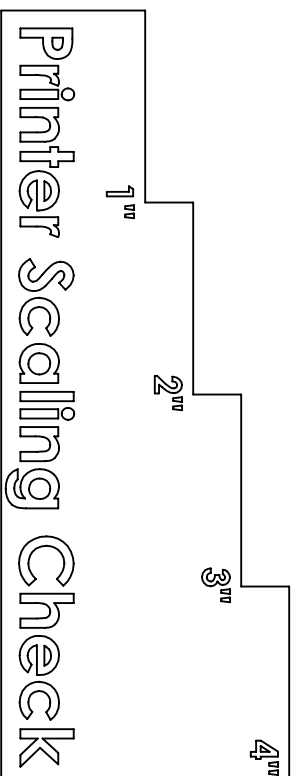
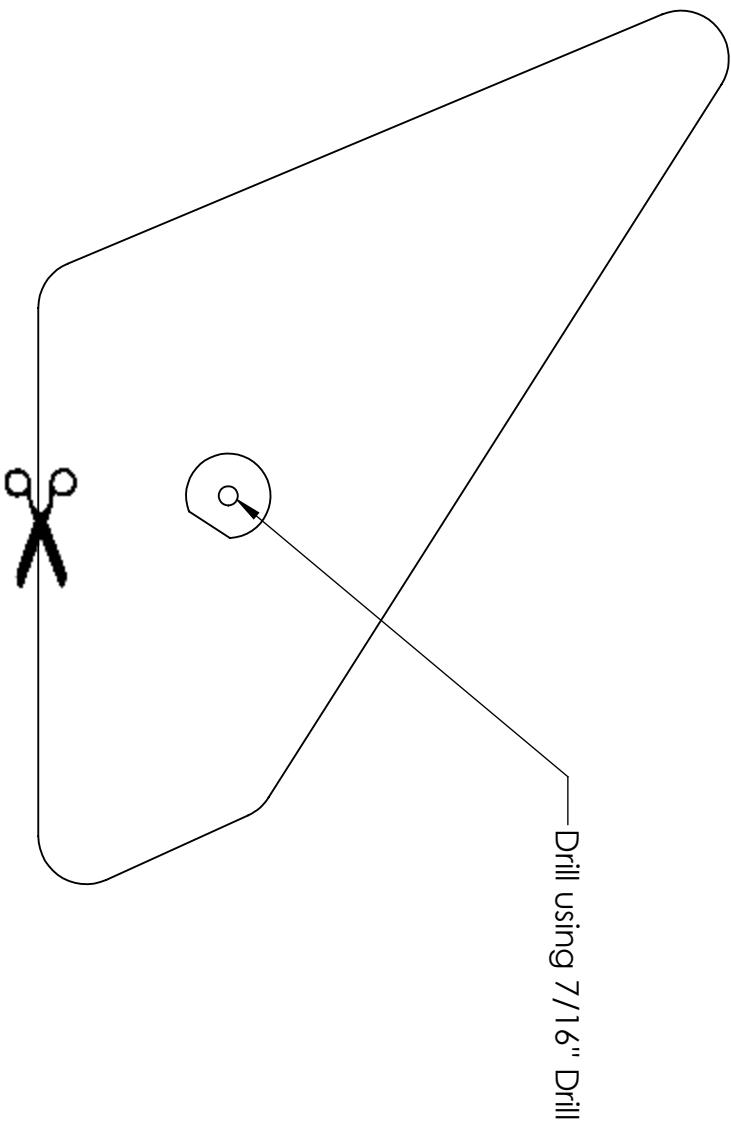
2<sup>inch</sup>

3<sup>inch</sup>

4<sup>inch</sup>



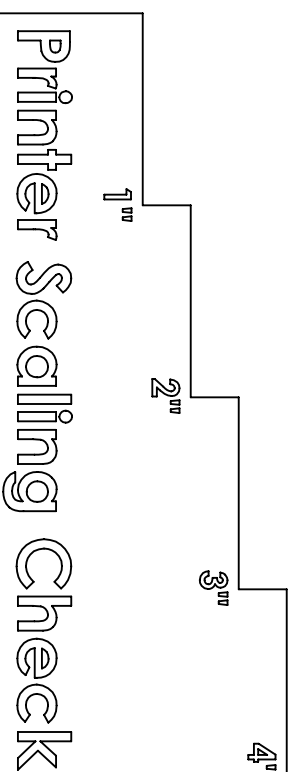
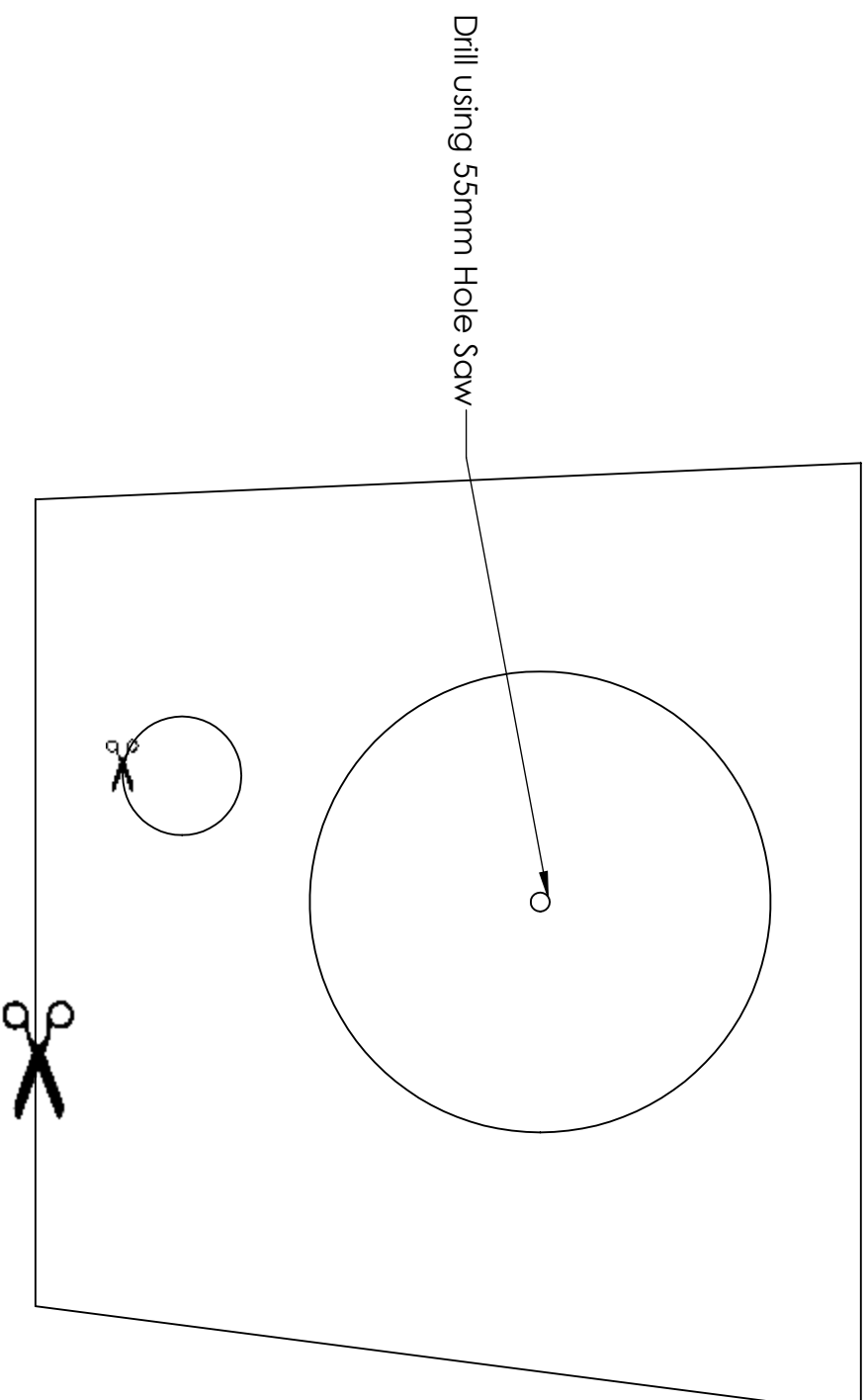
# Switch Template





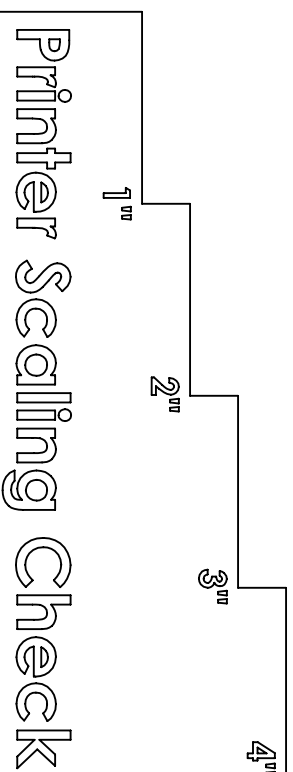
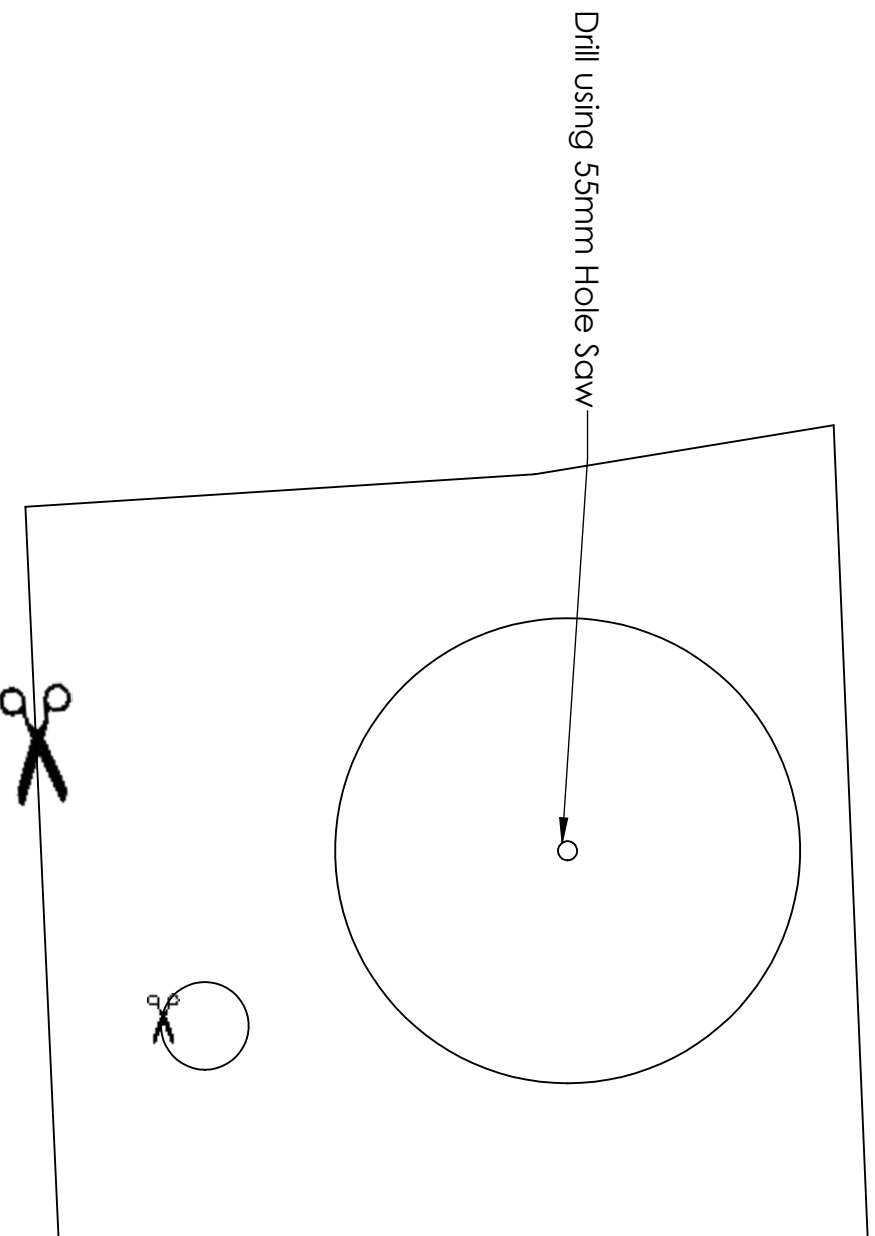


# Driver Side Lower Left Vent



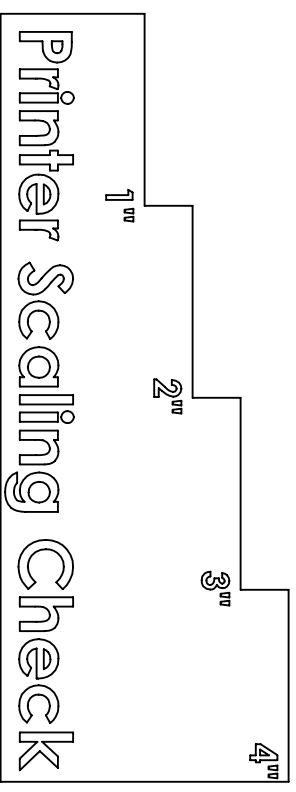


# Driver Side Lower Right Vent

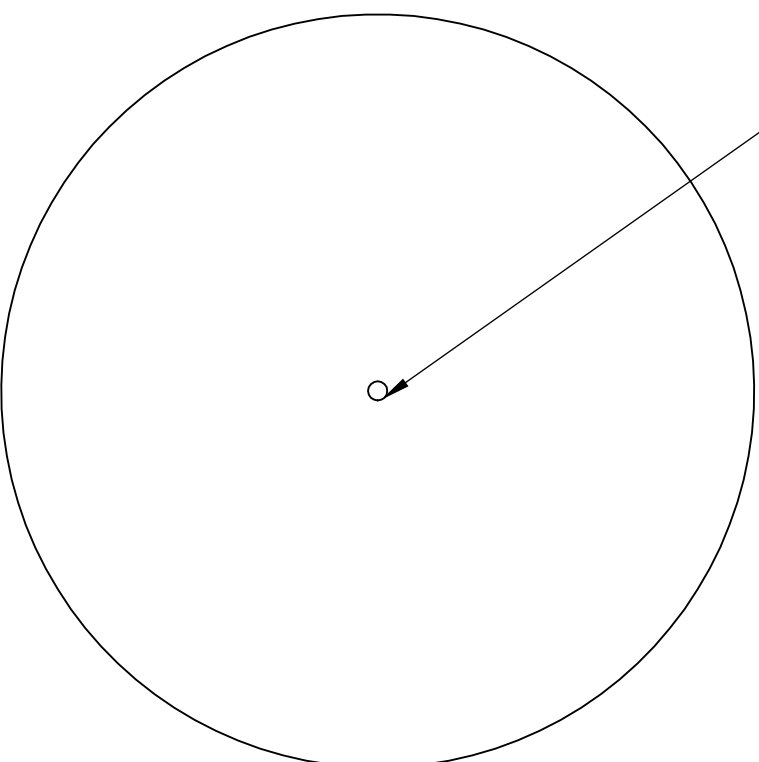




# Passenger Side Air Intake And Vent Template



Drill using 3" Hole Saw



Drill using 55mm Hole Saw

