

POLARIS RZR XP 1000 (2019)  
POLARIS RZR TURBO – All Turbo Models (2019)  
Direct-Fit Cab Heater with Defrost

**STEP 1: PRE-INSTALLATION**

- 1) Remove the hood.
- 2) Remove Top Dash panel.
- 3) Remove the Fender and Fender flare on the Driver and Passenger side.
  - Remove the Nuts and Bolts from the roll cage on both sides.
  - Slide the Fenders up the roll cage and tie-off a towel on the roll cage underneath them to hold them up (**PIC01**).
- 4) Remove the Glove Box (**PIC02**).
- 5) Loosen the Control Dash panel – need this to come off from around the ride command screen (**PIC02**).
  - You will need to remove the ride command computer to get to the bolt that holds the middle cubby hole in place.
- 6) The Glove Box is a 2-piece mold. Unfold the two pieces and make a cut down the folded edge and remove back half of the Glove Box
- 7) Install the Glove Box cut-out included in the kit (**PIC03**).
  - Use the black screws provided to screw the cut-out into the Glove Box flange.
  - The Glove Box will get put back in later in the installation.

**STEP 2: MOUNTING THE HEATER**

- 8) Cut four runs of Duct in the following lengths: 48” / 36” / 24” / 6”.
- 9) Install these four runs of duct on the heater box adapters, see **PIC04** for the location for each run of duct. It is easier to zip tie the duct to the heater box adapters before the box is mounted.
- 10) Set the heater box in place and use one of the self-tapping screws to mount it to the square framing bar (circled in green on **PIC04**).
  - You will use the other self-tapping screw later in the installation.
- 11) Using the (2) bolts, (2) washers and (2) nylock nuts, install the bottom bracket through the firewall, as shown in **PIC05**.

**STEP 3: SPLICE INTO THE COOLANT LINES**

- 12) Using a 1-3/8” hole-saw install the two rubber grommets (**PIC06**).
- 13) Use the Y-Fitting provided and splice into the lower radiator hose (return line) (**PIC07**).
  - Make sure the 5/8” splice is pointing toward the radiator, you want the coolant to flow back into the radiator line in the same direction it is moving from the radiator.
  - **NOTE:** For the TURBO models you will splice into the overflow tank hose. Make sure the 5/8” splice point up (toward the overflow tank).
- 14) Cut a 4-foot piece of heater hose and connect it to the Y-Fitting.
  - Later in the install you will run this piece to the heater with the inlet hose (#21).

- 15) Locate the oil cooler line from the rear passenger side wheel well.
- 16) Using line clamps, pinch off the oil cooler line on each side of where you will make the cut.
- 17) Cut the oil cooler line and install the T-Fitting (**PIC08**), secure with the hose clamps provided.
- 18) Using a #10 socket remove the main skid plate from underneath the machine.
- 19) Run the remaining heater hose from the front of the machine to the T-Fitting.
  - Run the hose down the front of the radiator and under the machine.
  - Run the hose above the hanger bearing mount making sure to avoid the drive shaft.
  - Use the extra zip ties included to tie the hose away from the drive shaft, if needed.
- 20) Once to the back of the machine, connect the heater hose to the T-Fitting (**PIC08**).
- 21) Both runs of heater hose will meet up at the front of the machine and run to the heater in the same direction.
  - Run them up in front of the radiator fan and follow them up into the passenger side fender and into the rubber grommets.
  - There are extra zip ties included in the kit to tie the hose to existing framing, keeping it away from the suspension.
- 22) Connect both hoses to the heater core and secure with hose clamps provided (**PIC05**).
  - It does not matter which heater core fitting each hose is ran to.

#### **STEP4: INSTALL LOUVERS AND RUN DUCT**

- 23) With the top dash panel removed, use a piece of masking tape and mark it from corner to corner (**PIC09**).
- 24) Set the trim bezel against the blue tape and trace the screw holes and bezel hole with a marker (**PIC09**).
- 25) Using a razor blade cut out the bezel opening (**PIC10**).
  - Heating up the blade with a torch will make it easier to cut. Make sure to plunge the blade straight down and straight up, you do not want it to slip sideways.
- 26) Using a 1/8" drill bit, drill out the screw openings (**PIC10**).
- 27) Install the defrost vent into the dash panel (**PIC11**), you will wait to connect the duct until later in the installation when you put the top dash panel back on.
- 28) Using a 2-1/8" hole-saw, drill out the 2 body louver openings and install the louvers (**PIC12** and **PIC13**).
  - Tape the template cut-outs included in the instructions to the locations shown on **PIC 12** and **PIC13**. Make a pilot hole with a 1/8" bit and use that mark to start the hole-saw.
- 29) Using a 2-1/8" hole-saw, drill out the 2 floor louvers openings and install the louvers (**PIC14**).
  - As shown in **PIC14**, measure 1-3/4" off the corner of the inner fender guard to mark the spot where you will start the hole-saw.
  - Angle the measurement up as we show in the picture.
- 30) Install the glove box back into position using the 2 bolts shown in **PIC15**.

- 31) Install the cubby hole back onto the machine (**PIC16**). In place of one of the two plastic rivets, use the last self-tapping screw provided (**PIC16**). This is the second mounting screw on the top mounting bracket.
- 32) Connect the ducting to the body and floor louvers, secure with zip ties provided.
  - Connect the 48" duct (**PIC04**) to the driver side floor louver.
  - Connect the 36" duct (**PIC04**) to the passenger side floor louver.
  - Connect the 6" duct (**PIC04**) to the 3-way Duct Tee provided.
  - Now cut 24" (passenger) and 36" (driver) pieces of duct for the body louvers that will come off of this 3-way Duct Tee.
  - Connect the 24" duct (**PIC17**) to the defrost louver. This will happen after STEP 5 when you re-install all the machine panels. Make sure the duct sits in the positions shown in **PIC17**, you need the defrost duct to come up in this exact location.

## **STEP 5: WIRING**

- 1) Remove one of the factory switch plates and install the rocker switch provided.
- 2) Using the wiring harness provided, plug the switch connector into the back of the rocker switch.
- 3) Using the wiring harness provided, run the blower fan connector to the heater box and plug it into the heater blower.
- 4) Using the wiring harness provided, run the red and black wires through the fire wall grommet and install the eyelets on the 12v accessory bar (**PIC18**).
- 5) Once the wiring is complete test it to make sure the blower runs properly.
- 6) You can now reinstall all the body panels back onto the machine.

## **STEP 6: REFILL COOLANT**

- 1) Refill the radiator and check for leaks.
- 2) Start the machine and allow the engine to warm up and circulate the coolant.
- 3) Drive the vehicle and put it under a good load, this will help expel air from the system.
- 4) When done let the machine cool down, recheck the coolant level and refill coolant if needed.
- 5) Coolant will be consumed as the air is expelled from the system. It is possible you will need to run the machine and recheck fluid levels multiple times before working out all of the air.



PIC01

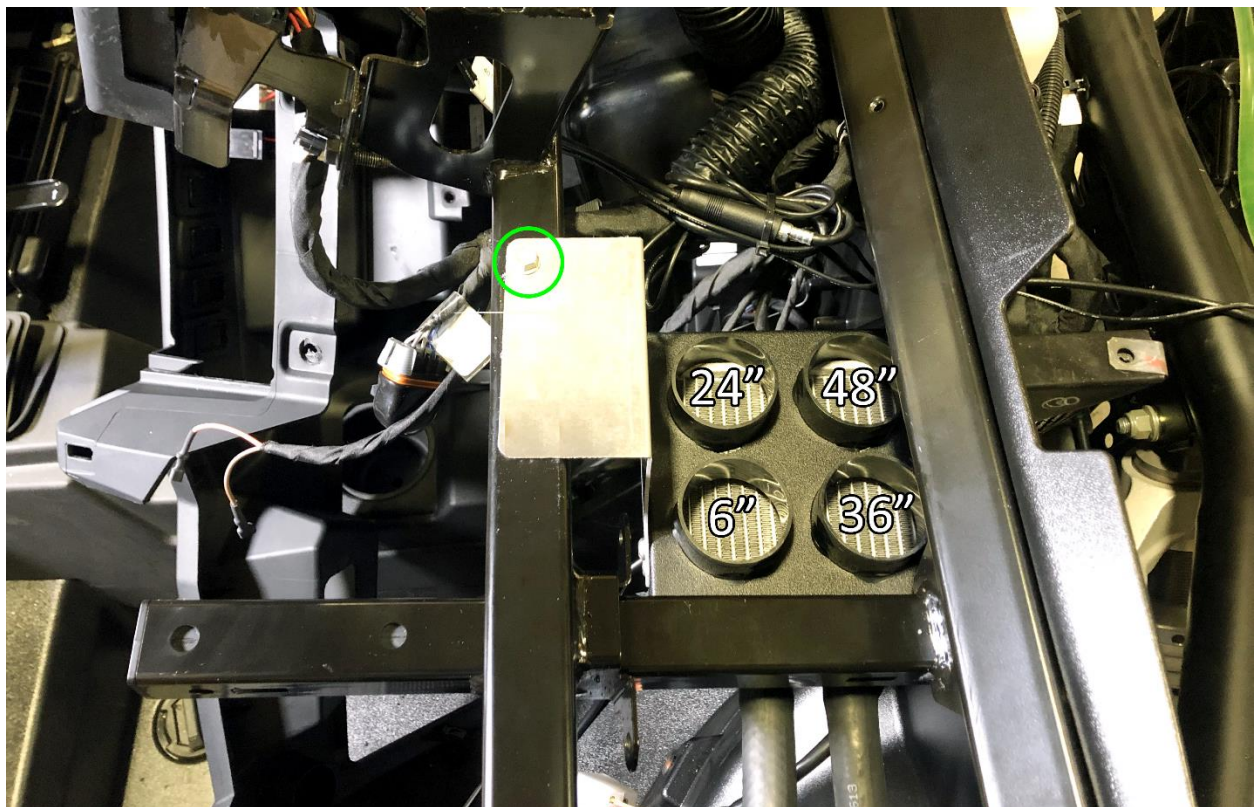


PIC02



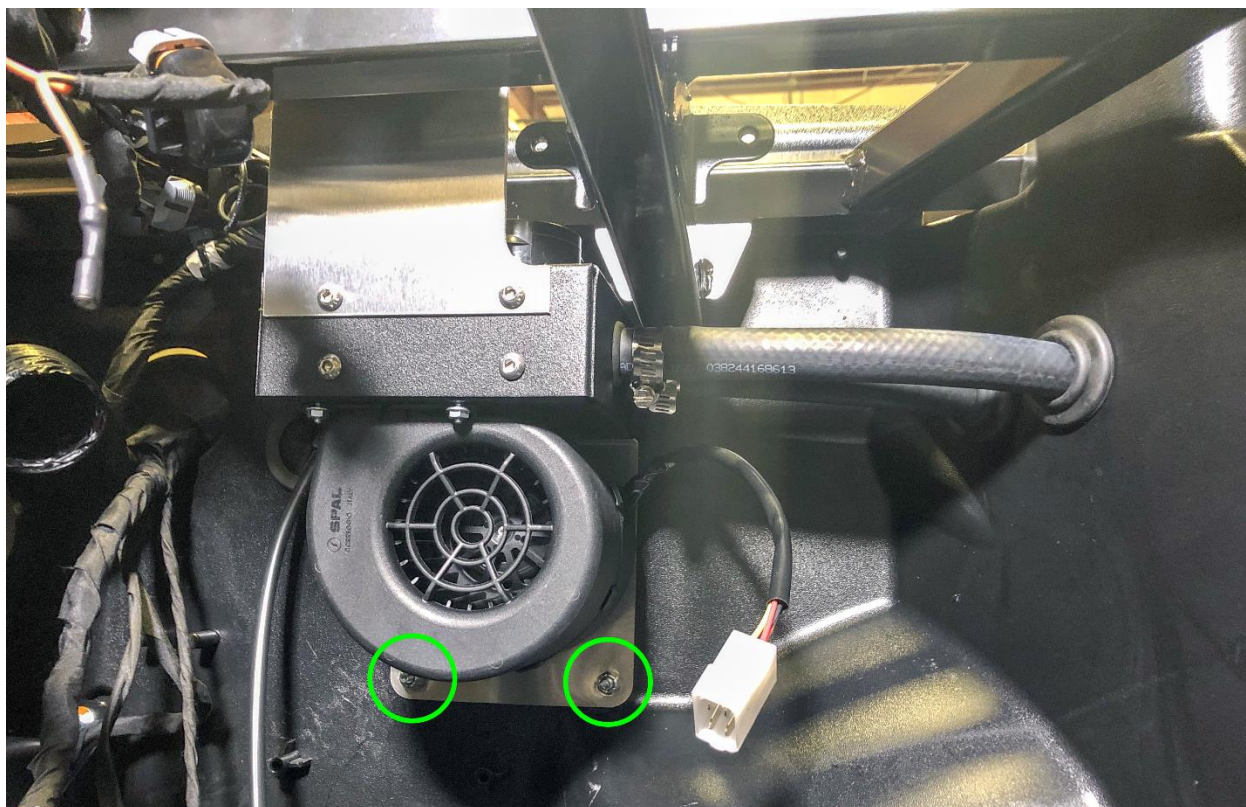


PIC03

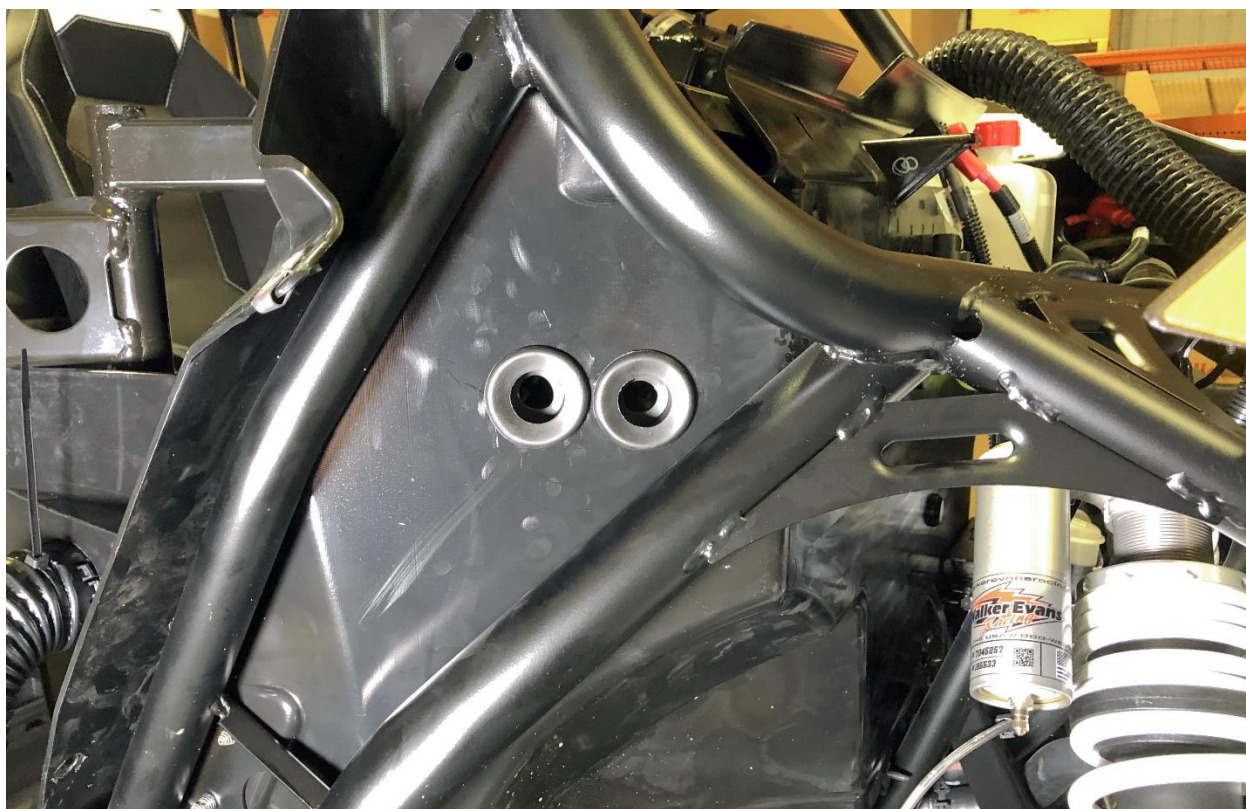


PIC04



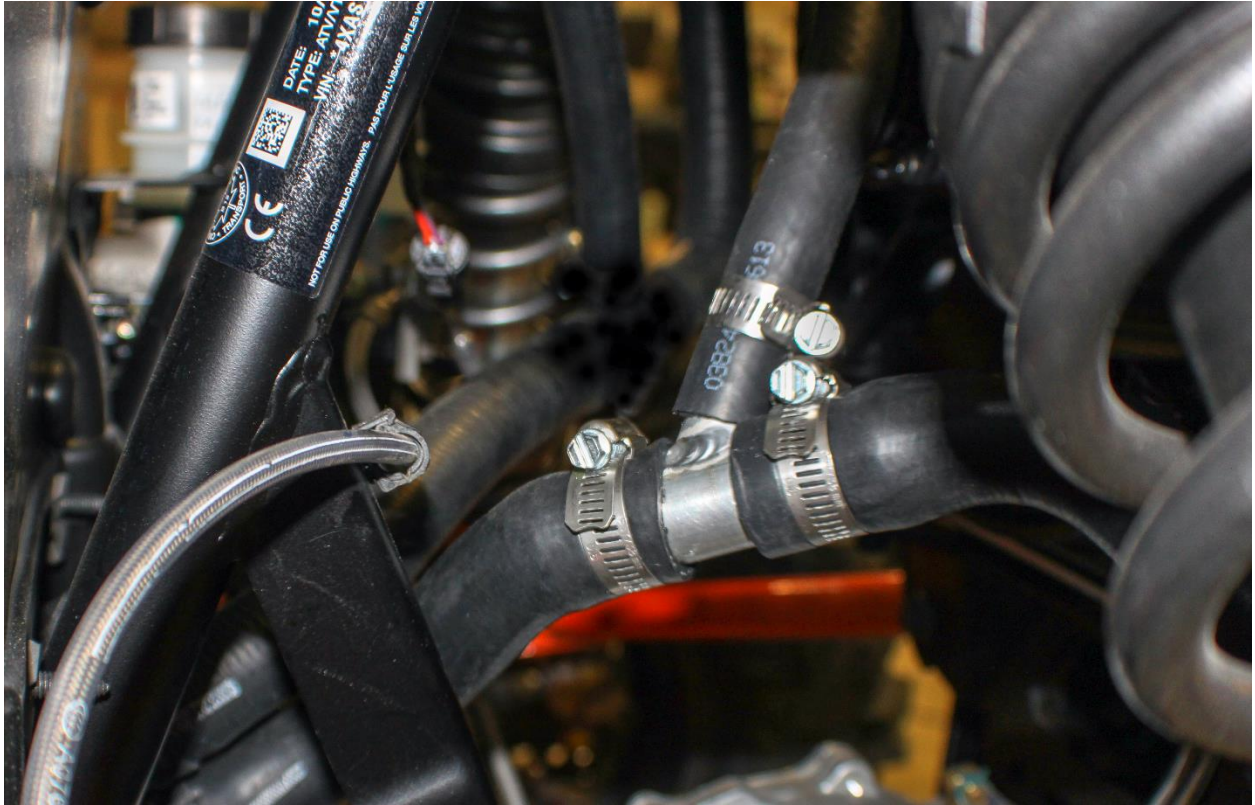


**PIC05**

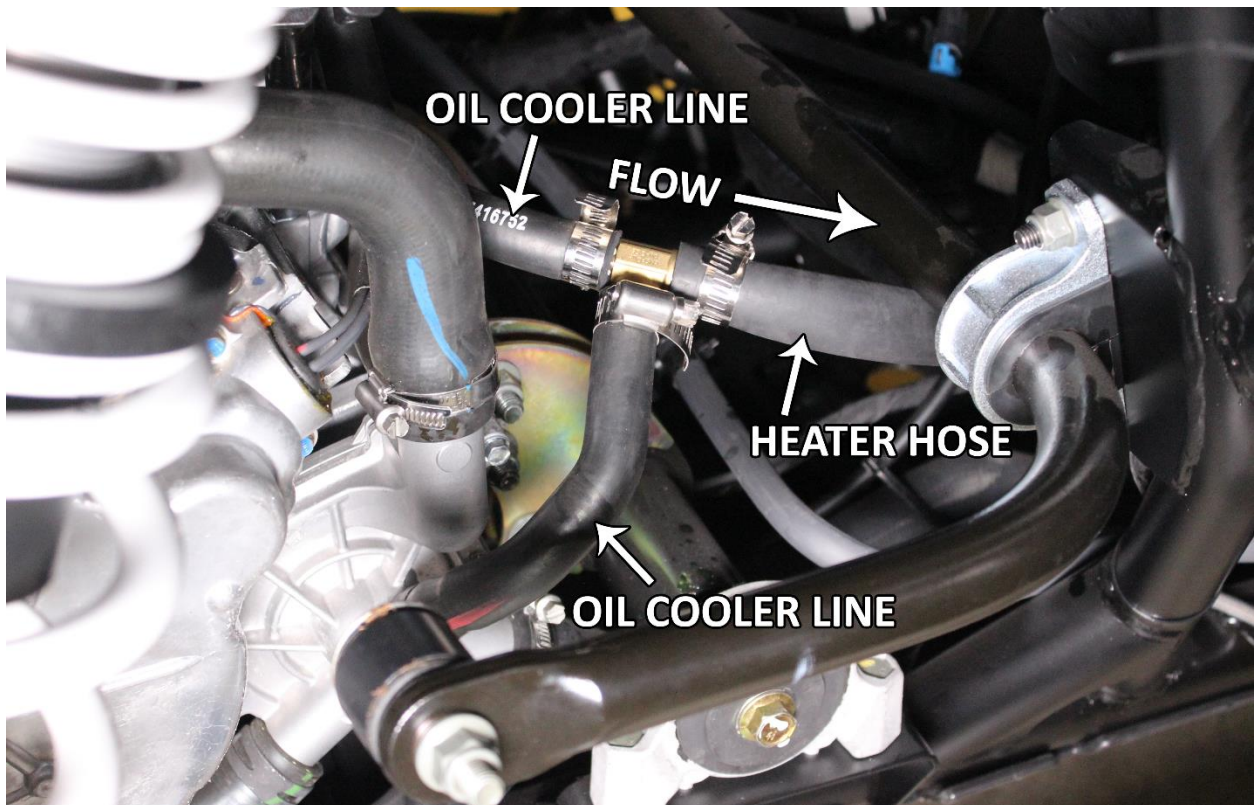


**PIC06**



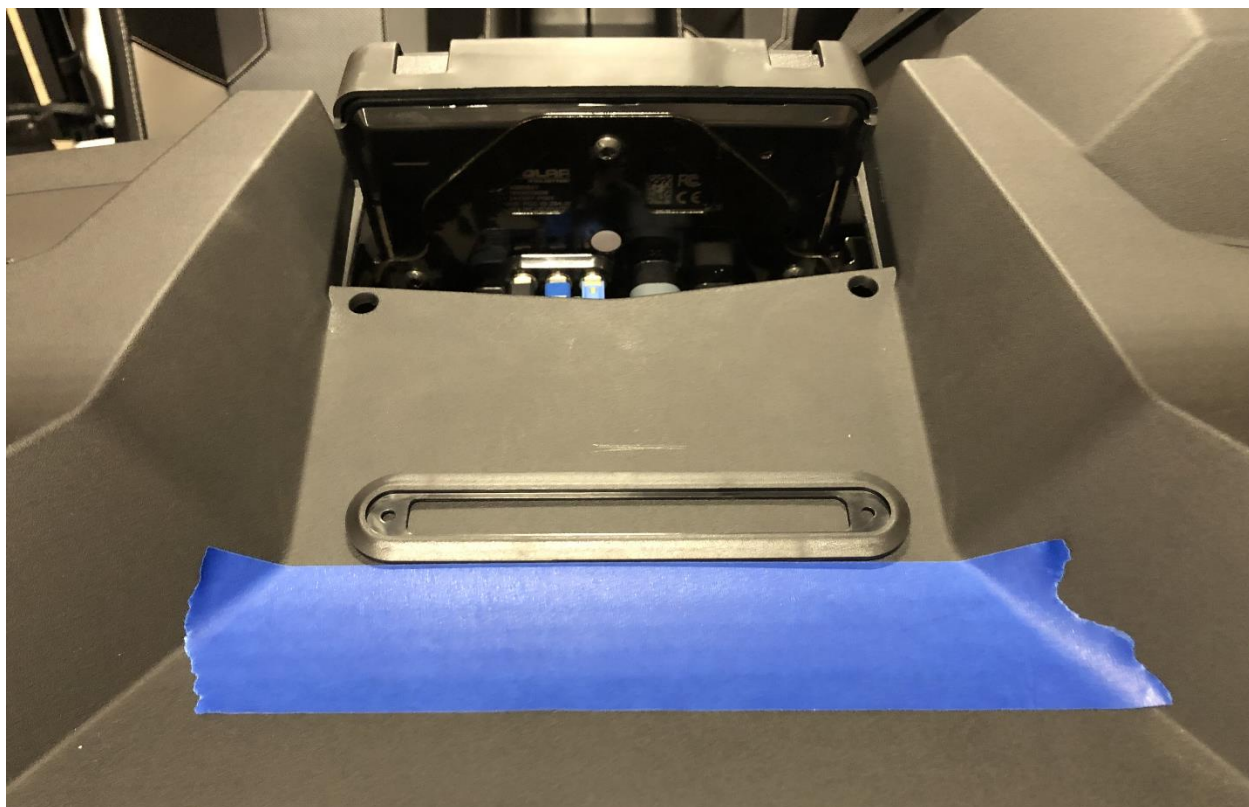


PIC07



PIC08





PIC09



PIC10



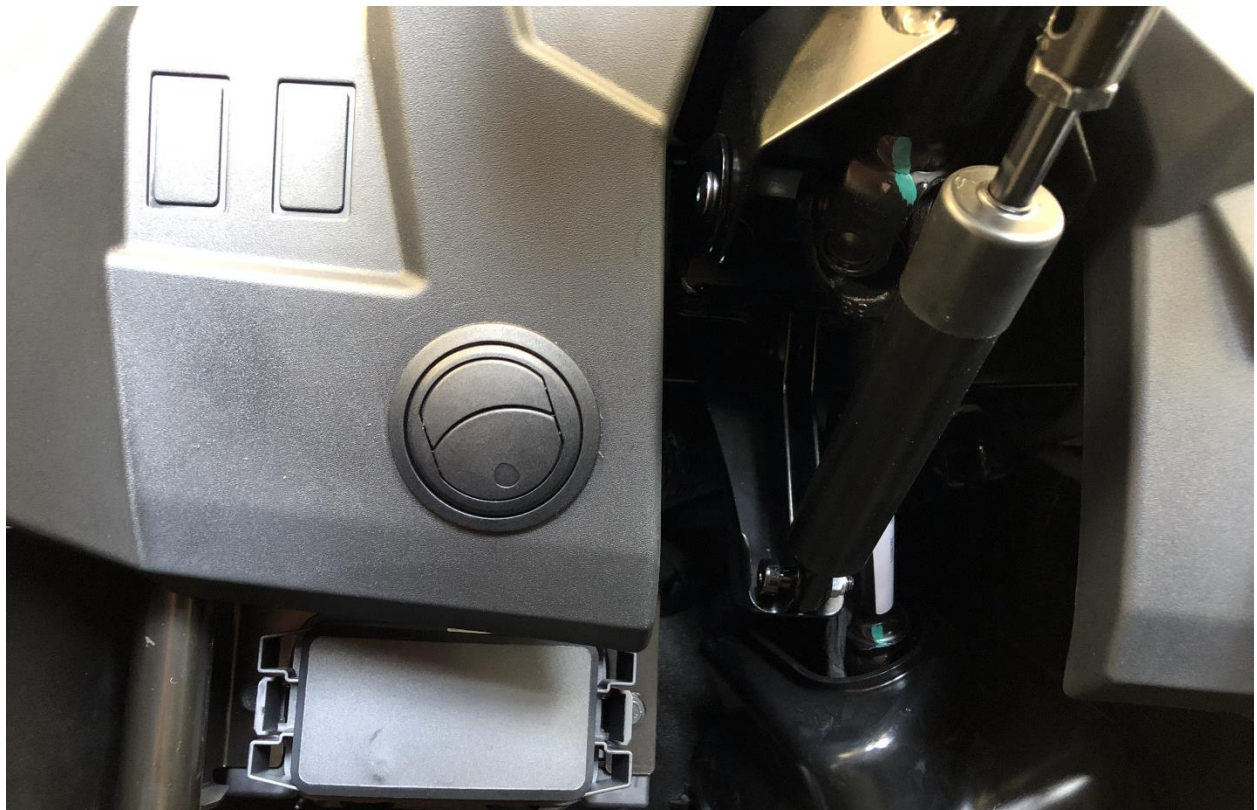


PIC11



PIC12



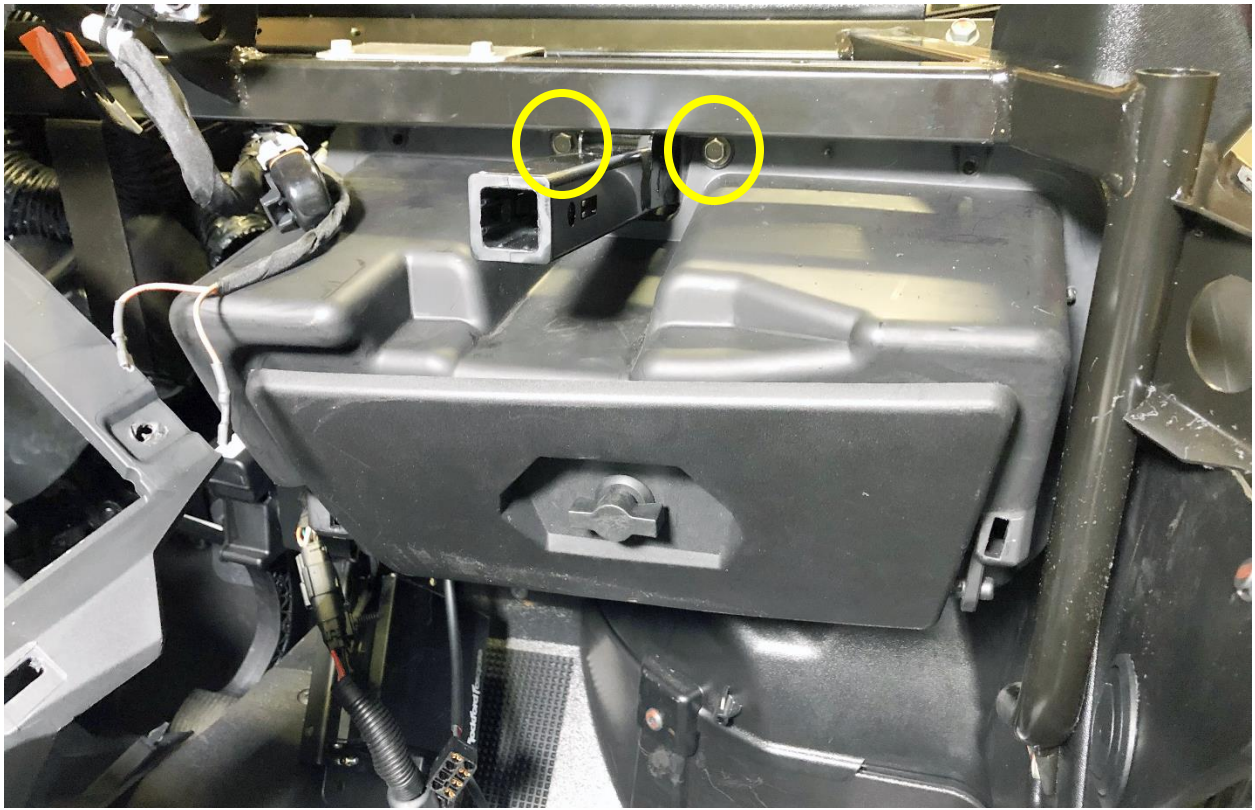


PIC13



PIC14





PIC15

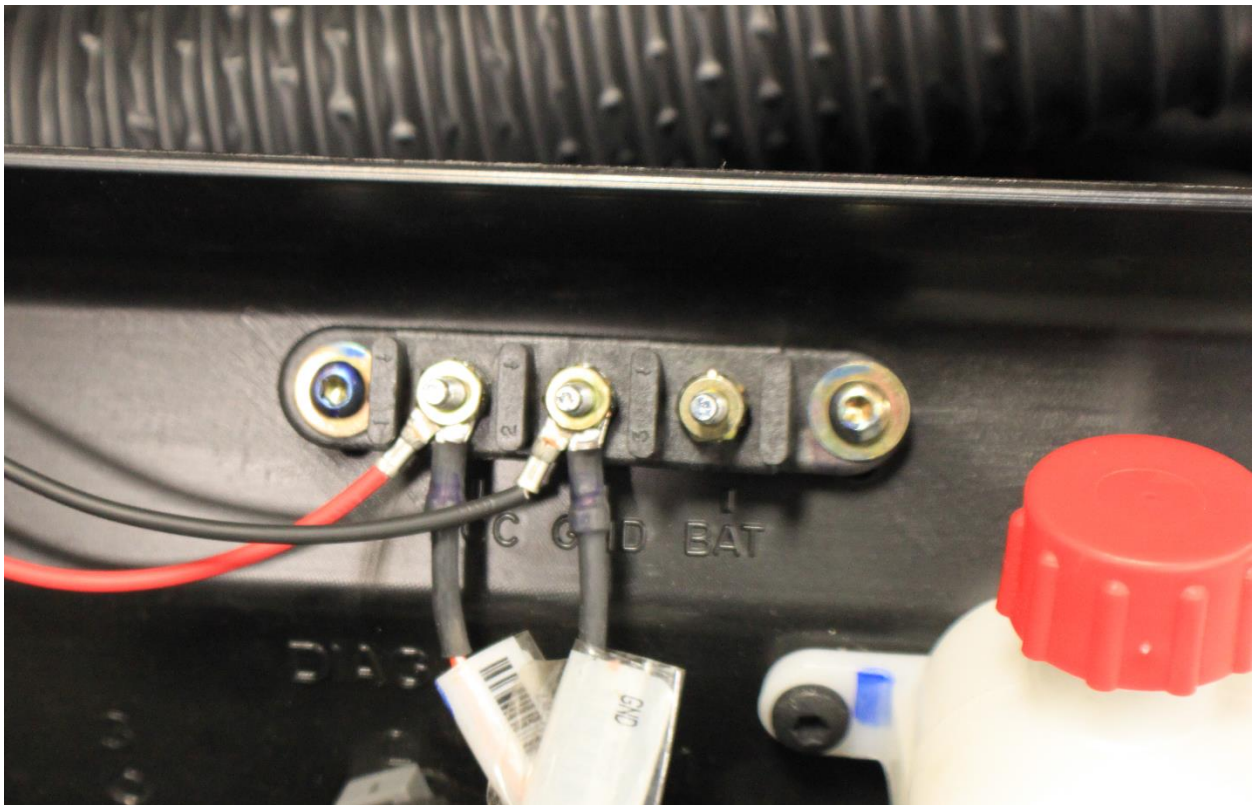


PIC16





PIC17



PIC18



