

## POLARIS RZR PRO XP (2019-Current)

### Direct-Fit Cab Heater with Defrost

#### STEP 1: PRE-INSTALLATION

- 1) If needed, remove the sub-woofer and passenger side speaker (reinstall at the end of the installation).
- 2) Remove the passenger side glove box (**PIC01**) (**PIC02**).
- 3) Remove (temporarily for greater access) the center storage compartment (**PIC03**).

#### STEP 2: MOUNTING THE HEATER

- 4) By hand, set the heater in place and mark on the firewall where the LOWER heater core fitting will exit the firewall. You want the heater hose to go straight through the firewall.
- 5) Using a 1-3/8" hole-saw install the rubber grommet into the firewall (**PIC04**).
  - If you cannot fit the drill inside the machine (to drill the hole from the inside-out) you will have to remove the fender panel and drill it from the outside (**PIC05**).
- 6) Cut a 3" piece of heater hose and connect it to the top heater core fitting. Then connect the PEX elbow to the heater hose. Angle the PEX elbow slightly to the "inside" of the machine so the hose is able to clear the lower hose when running down (**PIC06**).
- 7) Before mounting the heater, cut runs of ducting and install them onto the heater box adapters at the lengths shown in **PIC07**.
  - If you have the sub-woofer, instead of cutting a 12" piece of duct to that adapter, just attach the remaining duct (48" approx.).
- 8) On all (4) louvers, remove the face from the adapter and install the (4) adapters on the ends of the duct runs (**PIC08**). Use the duct clips and zip ties to secure.
  - DO NOT over tighten the zip ties, this will distort the louver adapter and make it hard to clip it back on to the face later in the installation.
- 9) Set the heater in place and mount it using the (4) bolts and (4) nuts provided (**PIC09**).

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

- 10) Just behind the radiator is a bracket holding the radiator lines in place, remove this bracket (**PIC10**).
- 11) Use the Y-Fitting provided and splice into the lower radiator hose (return line), secure with the hose clamps provided (**PIC11**).
  - 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.
- 12) Cut a 3-foot piece of heater hose and run it from the PEX elbow to the return Y-Fitting, trim as needed and secure with the hose clamps provided. Run the hose through the large wiring grommet on the firewall (**PIC12**).
- 13) Re-install the bracket holding the radiator lines in place.
- 14) From the passenger side rear wheel well, locate the oil cooler line. Make a cut in the oil cooler line and install the Tee-Valve (**PIC13**), secure with hose clamps provided.

- Refer to **PIC14** and **PIC15** for the position of the butterfly handle when the Heater is ON and OFF. Note the handle is on the bottom of the Tee when installed (handle is facing down).
  - When ON all of the coolant will be diverted to the heater and returned to the engine at the Y-Fitting. When OFF all the coolant will flow to the water pump.
- 15) Remove the main underbelly skid plate.
- 16) Run the remaining heater hose (inlet line) from the lower heater core fitting to the T-Valve, trim as needed and secure with the hose clamps provided (**PIC13**).
- Make sure to NOT kink the hose when you are feeding it underneath the machine.
  - Use the extra zip ties provided to secure the heater hose away from the drive shaft.

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

- 17) Using the cut-out templates provided, tape them in the defrost louver locations (**PIC16**) and drill 1/8" pilot holes.
- 18) Using a 2-1/8" hole-saw drill out the holes for the defrost louvers.
- Clean the edges of the hole with a blade to help easier install the louver faces.
- 19) Install the (2) defrost louver faces into the open holes (**PIC17**) and connect the adapters from top two runs of duct from the heater box to the louver faces.
- 20) Using a 2-1/8" hole-saw drill out the holes for the floor louvers (**PIC18**) (**PIC19**).
- **NOTE:** if you have the sub-woofer you can instead install the passenger side floor louver in the kick panel (**PIC20**) (**PIC21**).
  - Use the templates to make sure you stay in-between the dash panel edges.
  - Clean the edges of the hole with a blade to help easier install the louver faces.
- 21) Install the (2) floor louver faces into the open holes (**PIC18**) (**PIC19**) and connect the adapters from lower two runs of duct from the heater box to the louver faces.
- For the driver side floor louver run the duct right behind the rocker switches and use the extra zip ties to tie it out of the way, if needed.

#### **STEP 5: WIRING**

- 22) Remove one of the factory switch plates and install the rocker switch provided.
- 23) Shave down the bottom lip/edge of the opening so there is clearance for the rocker switch to move into the LO position (**PIC22**)
- 24) Using the wiring harness, plug the switch connector into the back of the rocker switch.
- 25) Using the wiring harness, run the white connector to the heater and plug it into the blower.
- 26) Using the wiring harness, run the red and black wires to the 12v accessory bar (**PIC23**).
- 27) Once the wiring is complete test it to make sure the blower runs properly.
- 28) You can now reinstall all the body panels back onto the machine.

## STEP 6: REFILL COOLANT

- 29) Refill the radiator and check for leaks.
- 30) Start the machine and allow the engine to warm up and circulate the coolant.
- 31) Drive the vehicle and put it under a good load, this will help expel air from the system.
- 32) When done let the machine cool down, recheck the coolant level and top off if needed.
- 33) 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

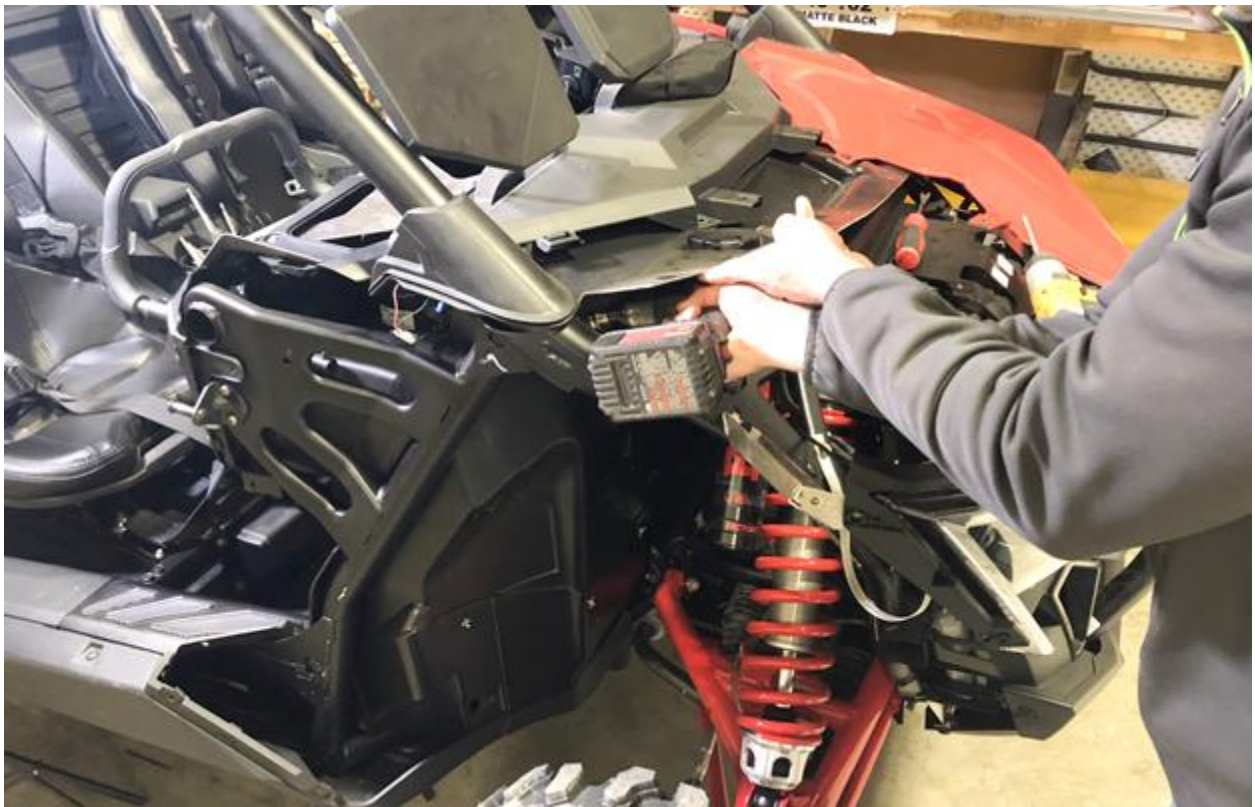


PIC03

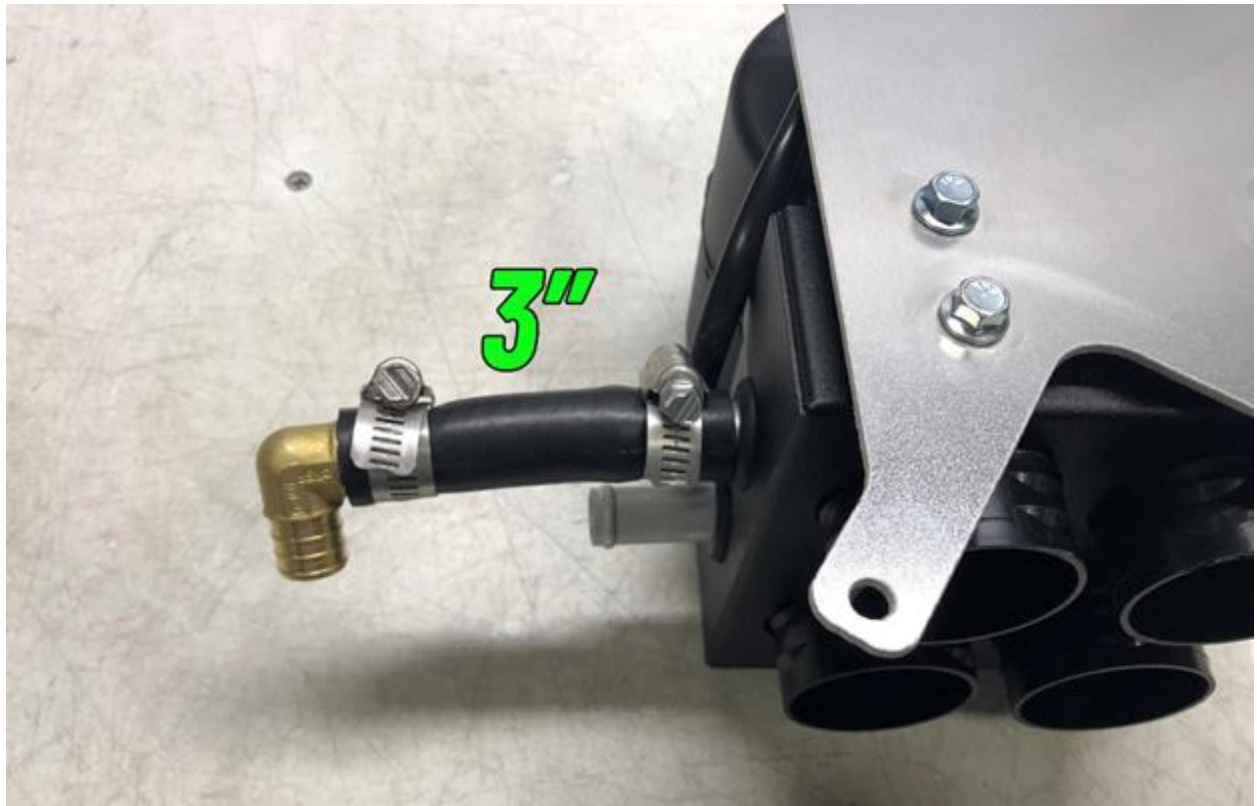




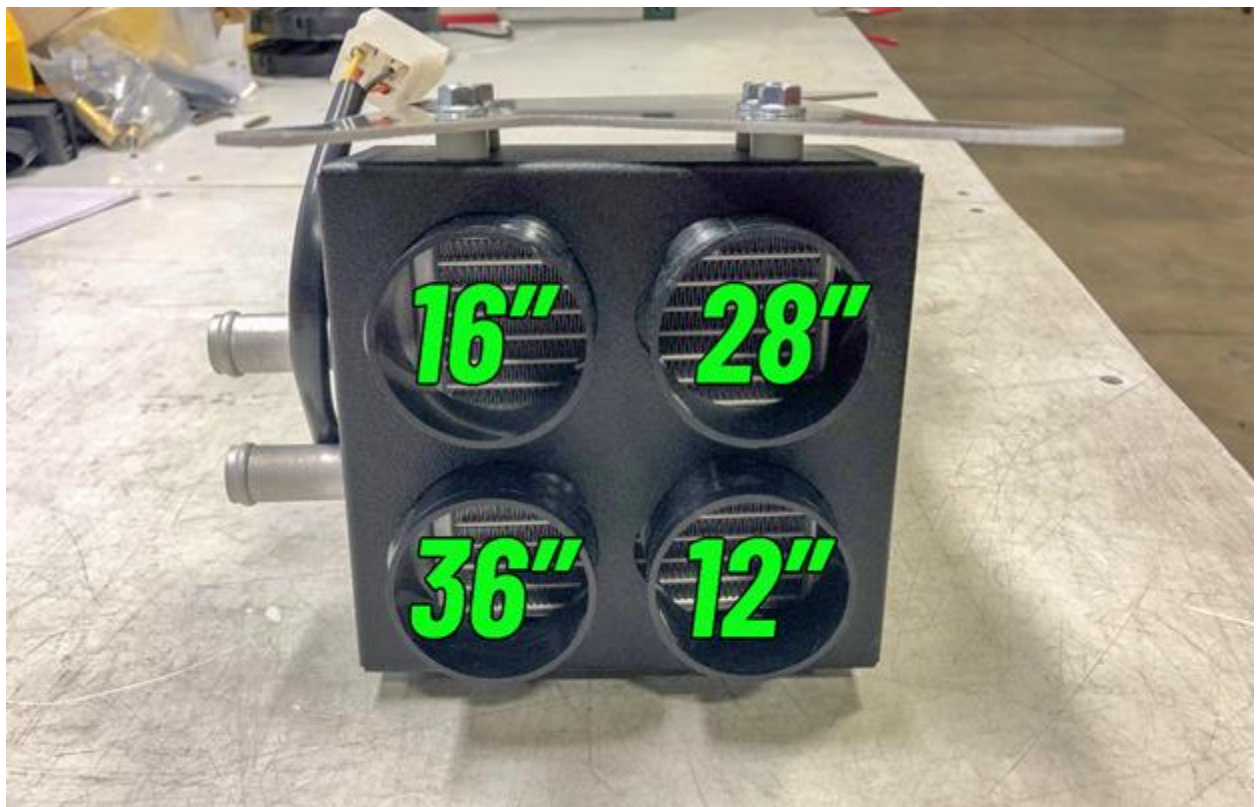
PIC04



PIC05



PIC06



PIC07





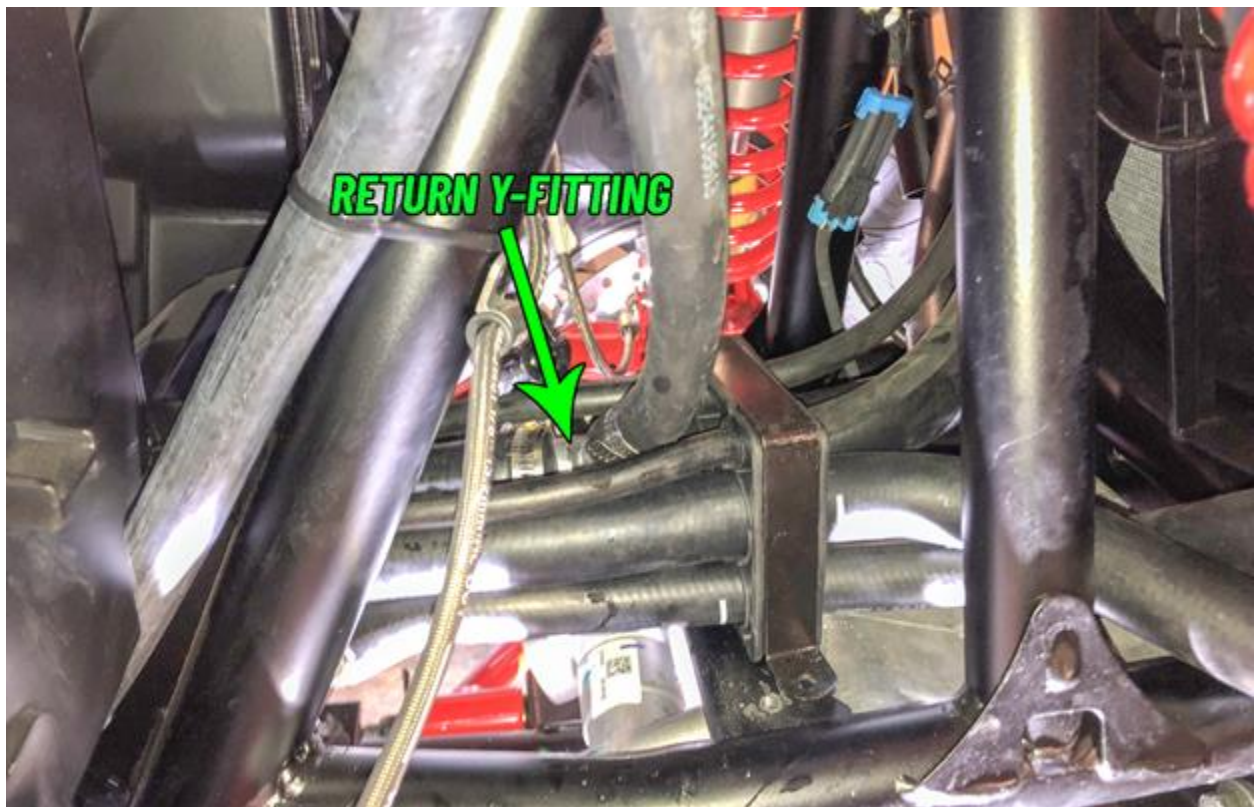
PIC08



PIC09



PIC10



PIC11

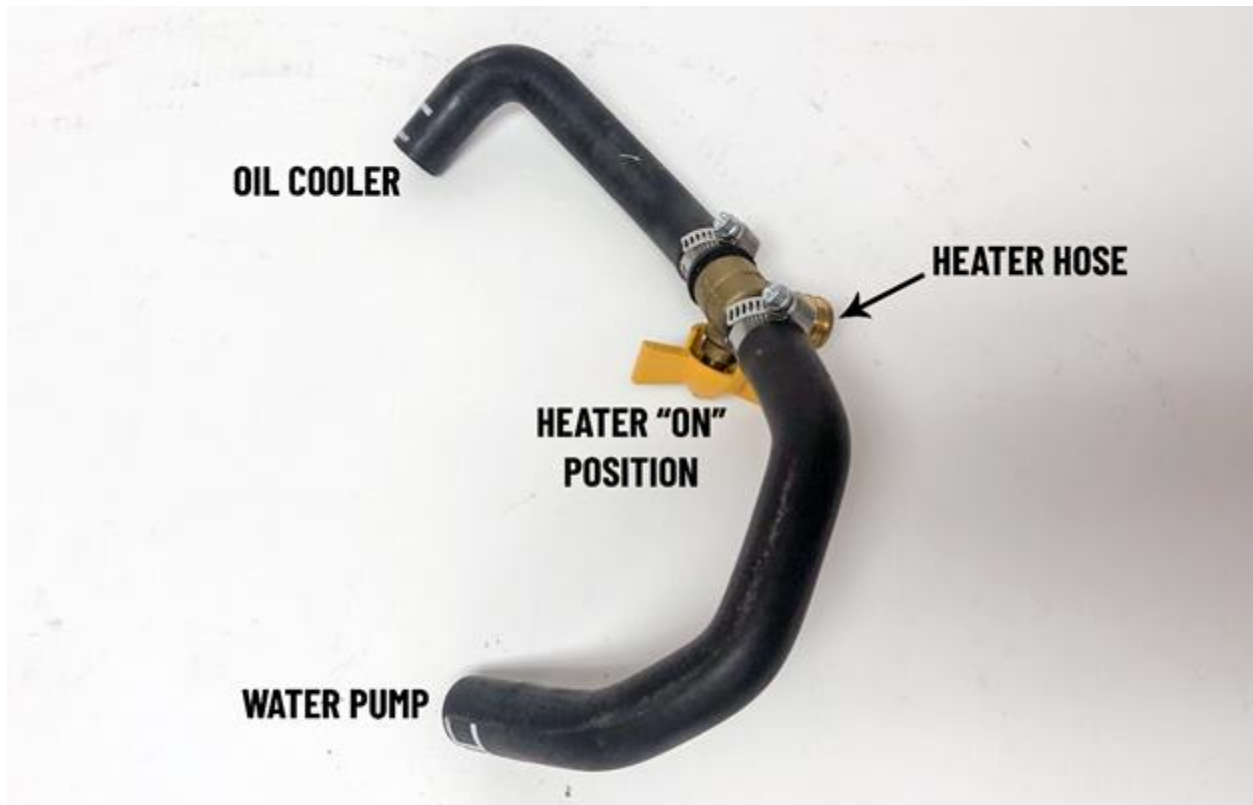




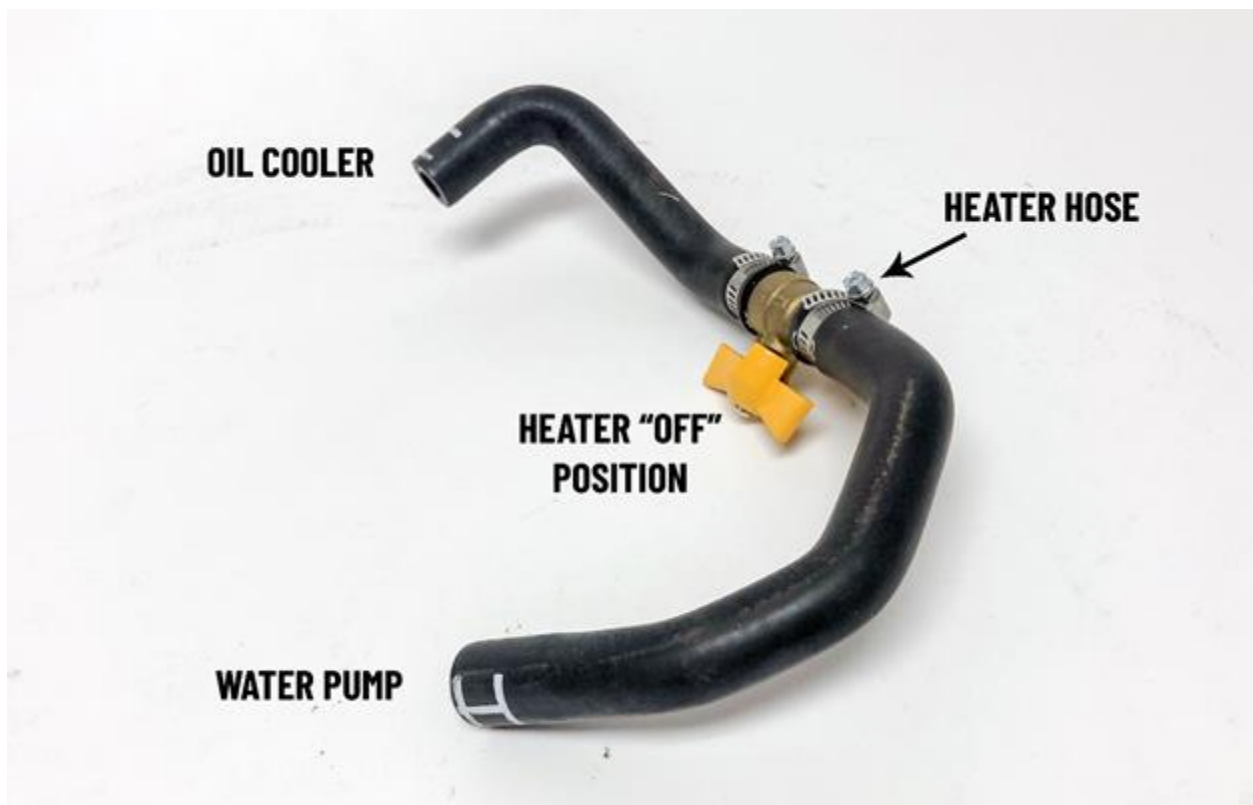
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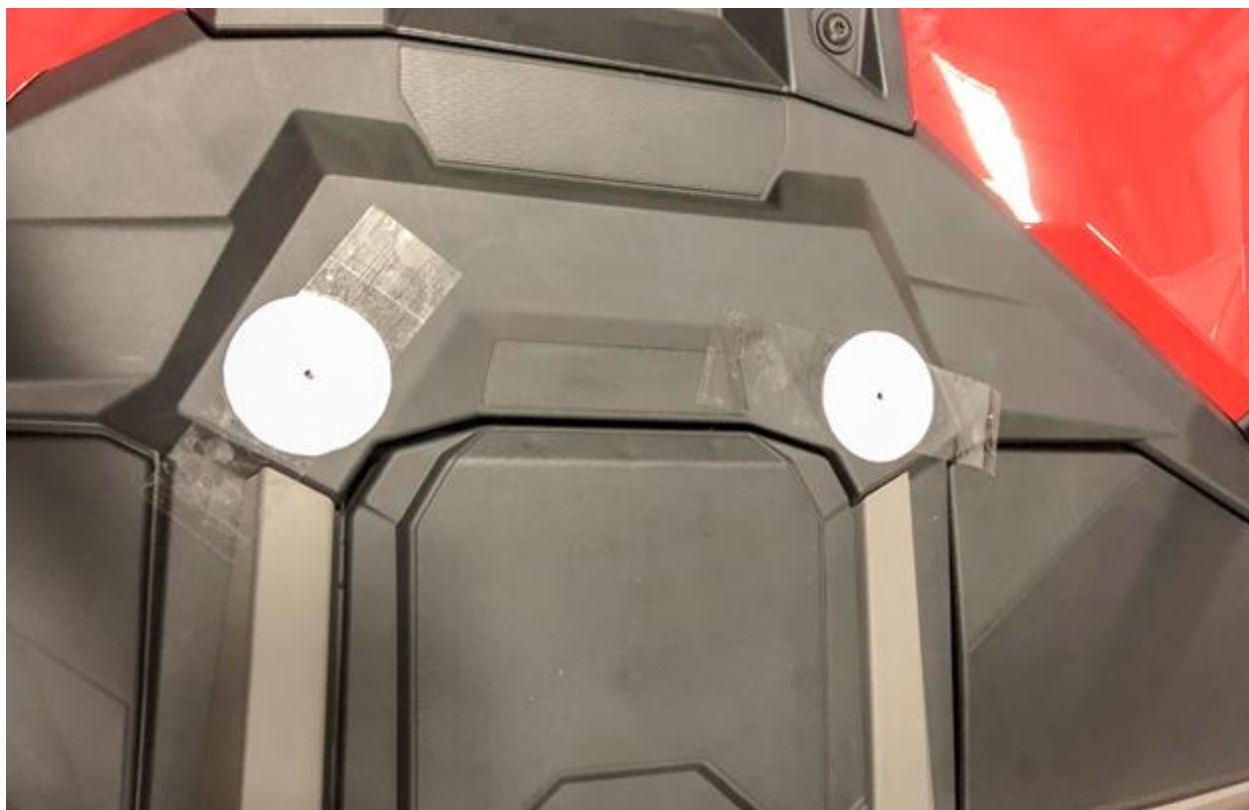
PIC13



PIC14



PIC15



PIC16

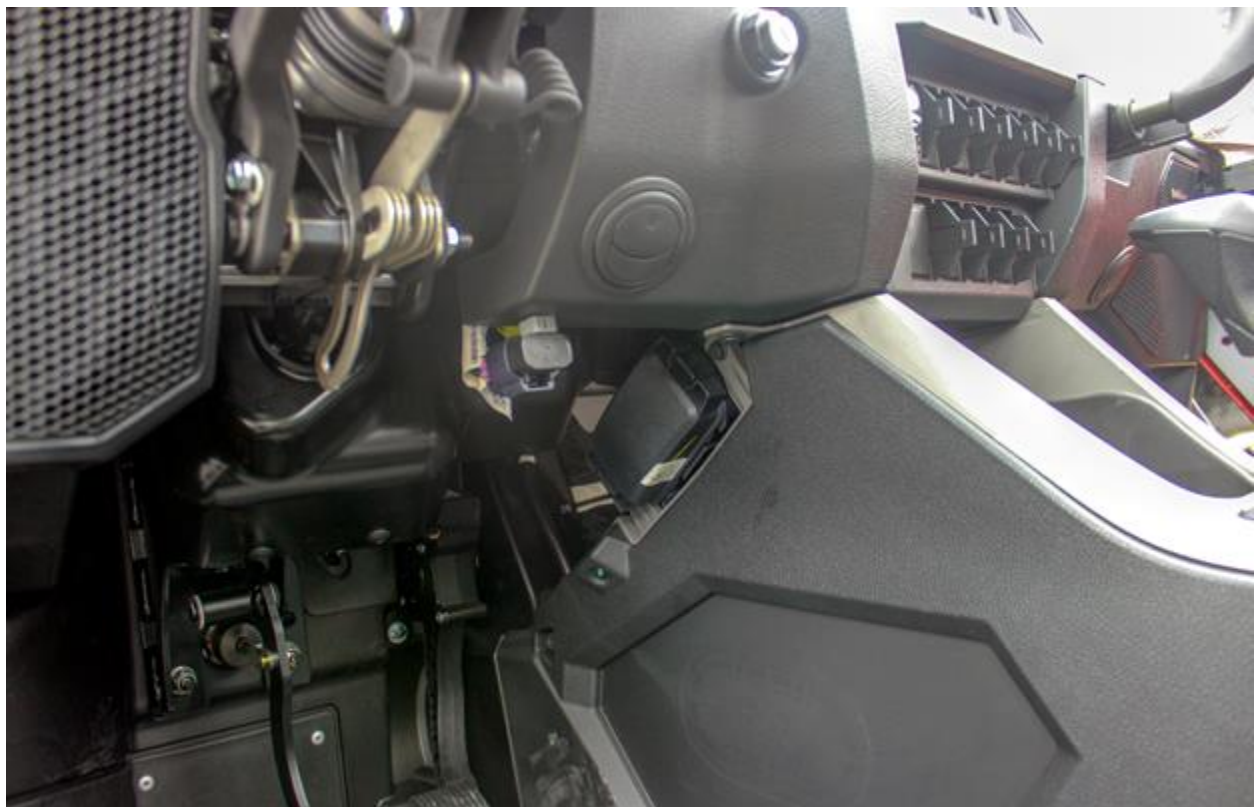


PIC17





PIC18



PIC19

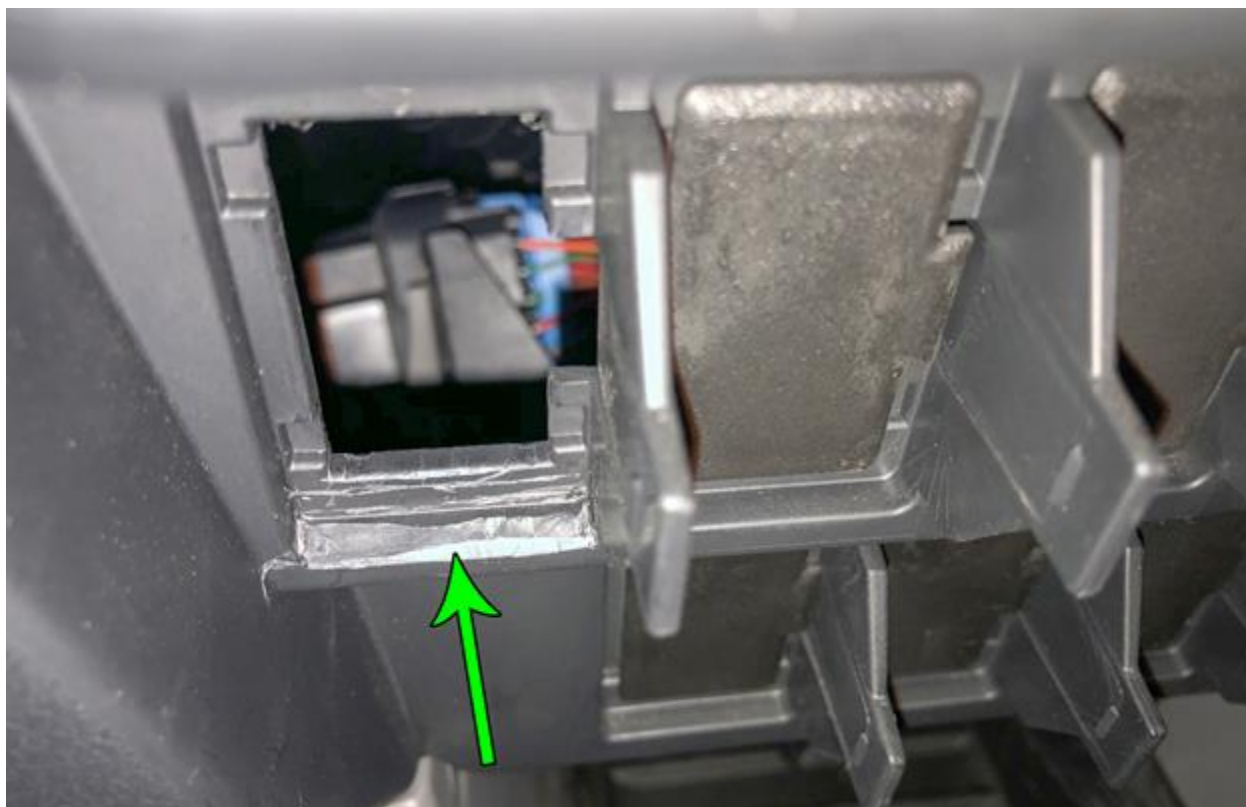


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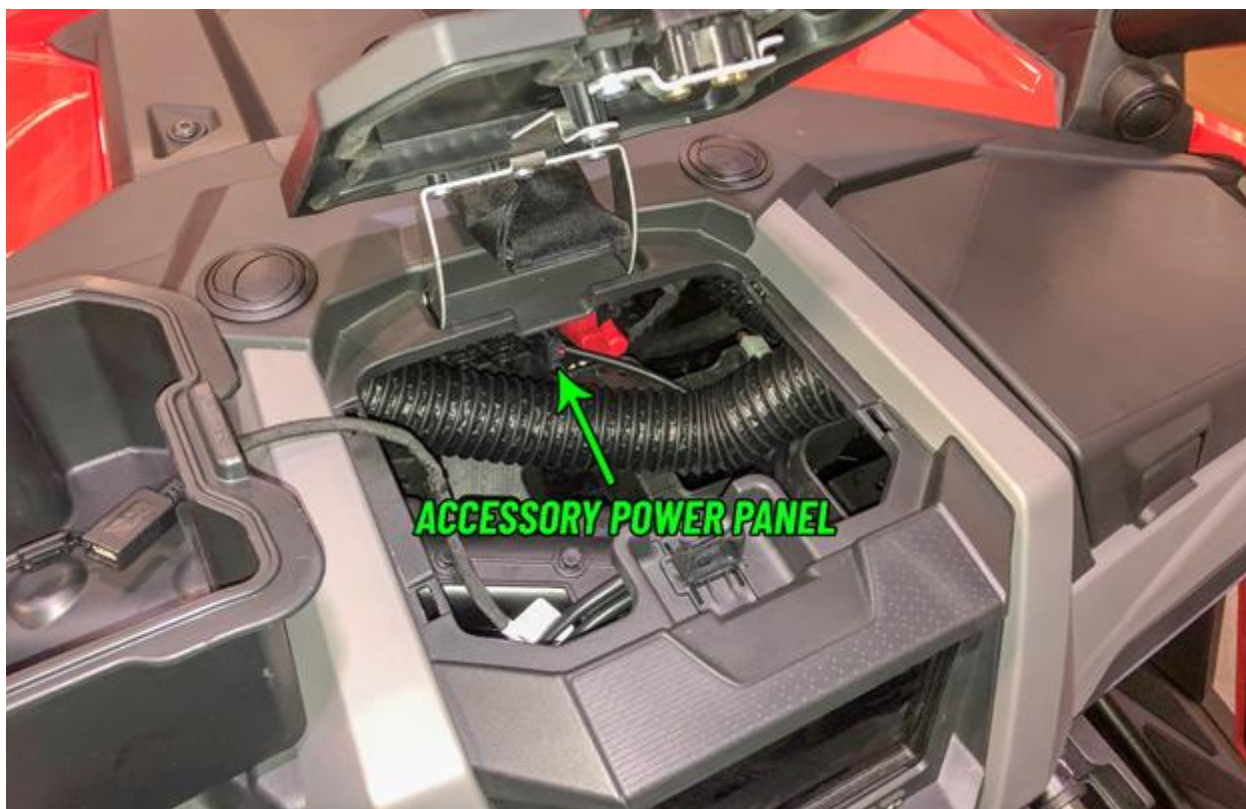


PIC21





PIC22



PIC23



