

John Deere RSX 860-850 (2012 – Current)  
John Deere XUV 590-560 (2016 – Current)  
Direct-Fit Cab Heater with Defrost

### **STEP 1: PRE-INSTALLATION**

- 1) Lift the front hood (**PIC01**).
- 2) Remove the under the hood storage panels (**PIC02**).

### **STEP 2: WIRING**

- 3) Remove one of the factory switch plates to the left of the steering wheel and install the rocker switch.
- 4) Using the wiring harness, plug the switch connector into the back of the rocker switch.
- 5) Using the wiring harness, run the OEM connector to the machine power supply (**PIC03**).
- 6) Leave the blower connector, this will be installed in STEP 3.

### **STEP 3: INSTALL THE HEATER BOX**

- 7) Set the heater box in place behind the driver side dash panel (**PIC04**) (**PIC05**).
- 8) Mark the 3 mounting holes and drill 1/8" pilot holes.
- 9) Connect the wiring harness blower connector to the heater blower connector.
- 10) Using the (3) self-tapping screws provided, set the heater back in place and mount the heater (**PIC04**) (**PIC05**).
- 11) Test the blower.

### **STEP 4: INSTALL LOUVERS AND RUN DUCT**

- 12) Use the louver cut-out templates and tape them to the locations you want the floor louvers (**PIC06**).
  - Have the template 1" off the edge of the dash panel.
  - See **PIC07** for where we located the louvers.
- 13) Use a drill bit to pilot holes that will be used to start the circular saw.
- 14) Using a 2.5" circle saw, cut the louver openings.
- 15) Screw apart the face and adapter portions of the louvers.
- 16) Install the duct barbs on the louver adapters.
- 17) Cut lengths of duct of 45" (driver side floor louver) and 36" (passenger side floor louver) and install them on the louver adapters.
- 18) Now set the faces of the louvers in the holes and screw the adapters on from the backside.
- 19) Run the duct to the heater box and connect to the two lower adapters on the heater (**PIC08**).
- 20) Use the louver cut-out templates and tape them to the defrost locations (**PIC09**).
  - Have the template pilot holes 4" off the edges of the dash panel (**PIC10**).
- 21) Using a 2.5" circle saw, cut the louver openings.
- 22) Screw apart the face and adapter portions of the louvers.
- 23) Install the duct barbs on the louver adapters.

- 24) Cut lengths of duct of 12" (driver side defrost louver) and 31" (passenger side defrost louver) and install them on the louver adapters.
- 25) Now set the faces of the louvers in the holes and screw the adapters on from the backside.
- 26) Run the duct to the heater box and connect to the two upper adapters on the heater (**PIC08**).

## **STEP 5: INSTALL THE HEATER HOSE**

- 27) Drain the coolant from the machine
- 28) With the firewall panel removed from the machine, cut an opening for the heater hose to travel through.
  - We used a 1" hole-saw and made holes at the top and the bottom of our intended opening, then connect the holes using a razor blade knife (**PIC11**).
  - Use a flame to heat up the blade to cut through the firewall panel easier.
- 29) Cut the provided heater hose into (2) 9-foot lengths.
- 30) Remove the main skid plate (if needed) to run the heater hose from the heater to the rear of the machine.
- 31) Raise the bed and locate the hose shown in **PIC12** on the driver side of the machine.
  - Remove this small 5" hose from the machine.
- 32) Run the two lengths of heater hose through the firewall panel opening (previously cut) and install onto each of the heater core fittings, secure with the hose clamps provided.
- 33) Install the firewall panel back onto the machine.
- 34) Run the two lengths of heater hose to the back of the machine (driver side).
  - See **PIC13** to see where the hoses get fed underneath the machine.
  - Use the extra zip ties provided to secure the hose away from the drive shaft as you feed it to the back of the machine.
- 35) Connect the hose that is on the lower heater core fitting (relative to gravity) to the INLET fitting that comes off the engine (**PIC12**). Secure with hose clamps provided.
- 36) Connect the hose that is on the higher heater core fitting (relative to gravity) to the factory RETURN Tee-fitting (**PIC12**). Secure with hose clamps provided.
- 37) On the RETURN line hose, just after the hose comes out of the firewall, install the bleeder valve in-line with the hose (**PIC11**).
  - When you start up the engine and build up pressure in the system, press down on the valve to help the system release air.
- 38) Re-install the panels removed in STEP 1 (**PIC14**).

## **STEP 6: REFILL COOLANT**

- 39) Refill the radiator and check for leaks.
- 40) Start the machine and allow the engine to warm up and circulate the coolant.
- 41) Test drive the vehicle and put it under a load, this will help expel air from the system.
- 42) When done let the machine cool down, recheck the coolant level and refill coolant.
- 43) 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



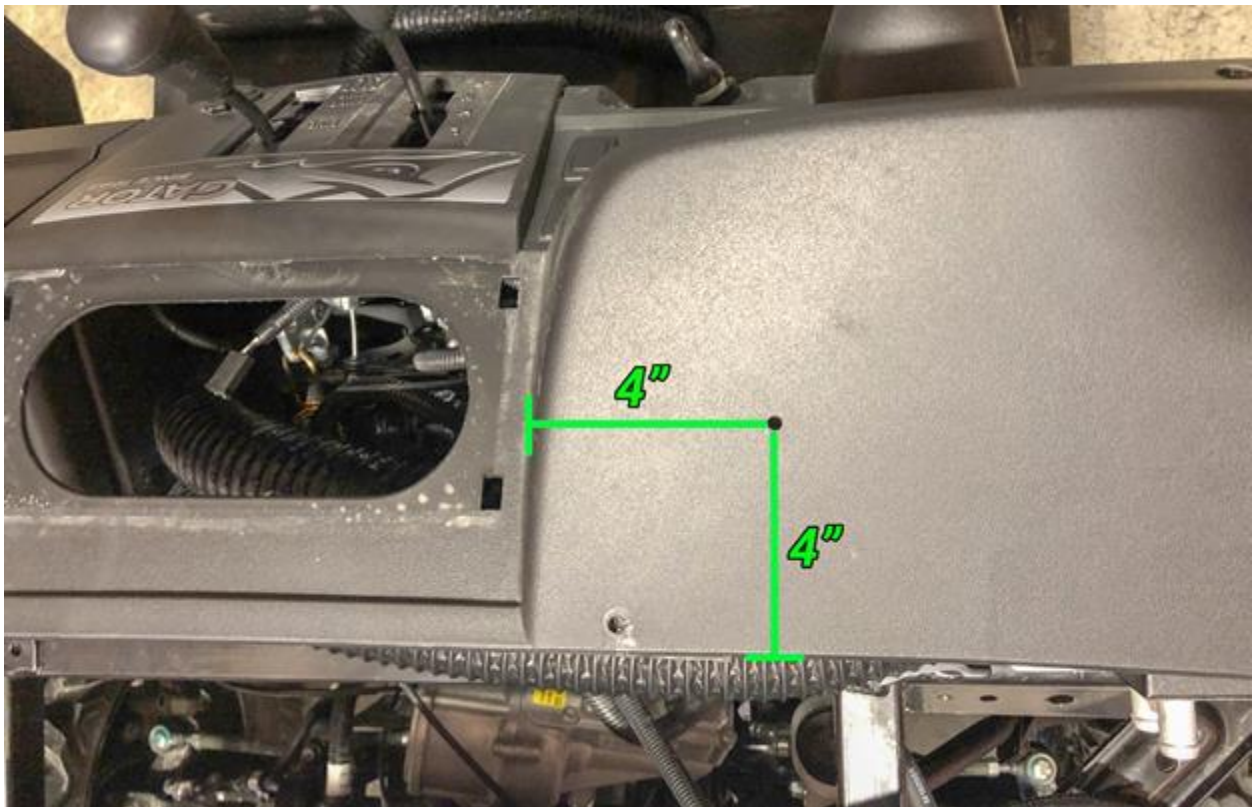
PIC07



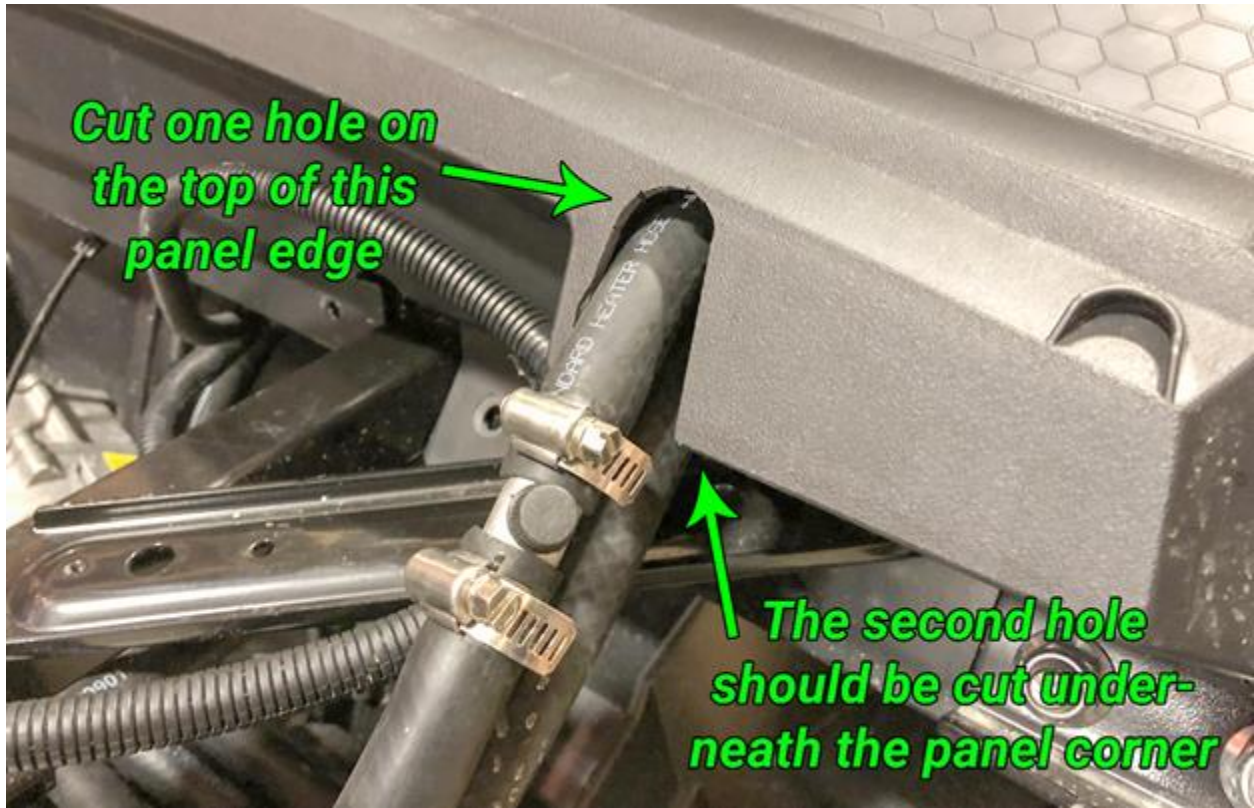
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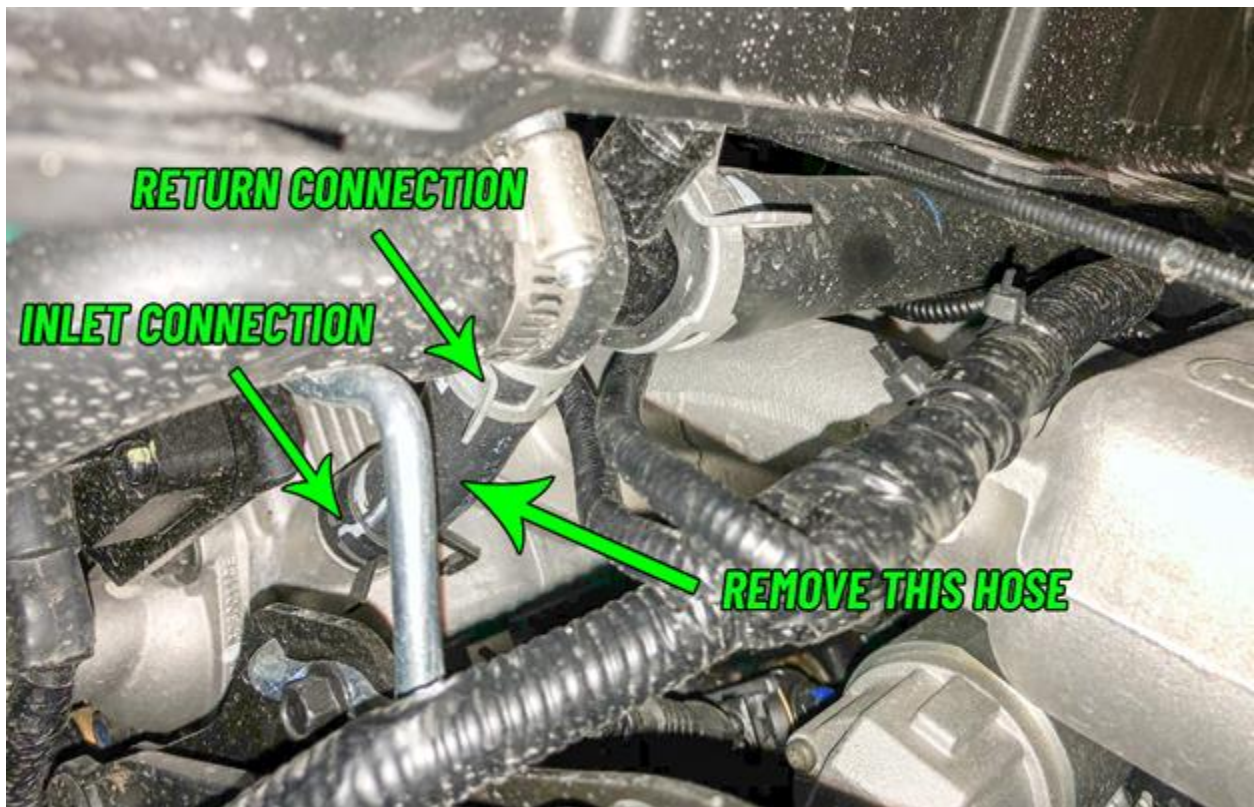
PIC09



PIC10

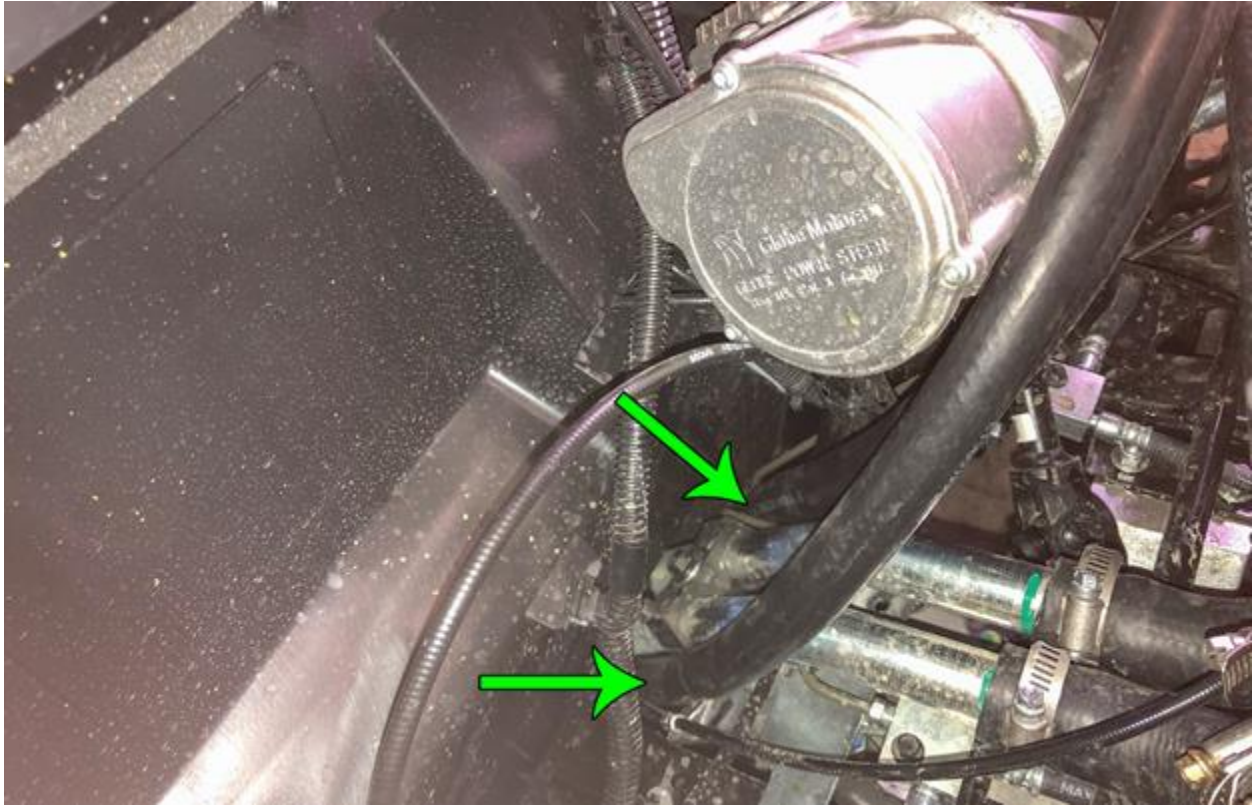


PIC11



PIC12





PIC13



PIC14

