

Bobcat 3400 (2015 - Current)
Bobcat 3600 & 3650 (2013 - 2018)
Direct-Fit Cab Heater with Defrost

STEP 1: PRE-INSTALLATION

- 1) Remove the hood.
- 2) Remove the glove box by:
 - Removing the (4) small screws at each corner of the glove box, and
 - Removing the (1) large bolt located at back of the glove box.
- 3) Remove the top portion of the dash (**PIC01**).
 - NOTE: there are top, middle and bottom portions to the full dash panel. The middle portion stays in place during the install.
- 4) Remove the bottom portion of the dash (**PIC01**).
 - You will install floor vents on this panel later in the installation.
- 5) Remove the middle floor cover (**PIC01**).
 - You will use this floor access to run heater hose later in the installation.

STEP 2: INSTALLING THE HEATER BOX

- 6) On the heater box, remove the (4) side bolts on the mounting bracket so one piece is loose and one is still attached to the heater box.
- 7) Using the (3) self-tapping screws provided, mount the loose mounting bracket piece under the 2x2 steel square framing that runs under the dash (**PIC02**).
 - The bracket holes are cut so it can be adjusted after screws are drilled.
- 8) Fit the heater box up into the previously installed top bracket and re-install the two brackets together using the (4) side bolts (**PIC03**).

STEP 3: INSTALL THE HEATER HOSE

- 9) If you do not have line clamps to limit coolant loss when installing the Y-Fittings you will need to drain the coolant from the machine.
- 10) Using a 1-3/8" hole-saw, install the rubber grommets into the firewall (**PIC03**).
- 11) Cut the provided heater hose into (1) 4-foot piece and (1) 3-foot piece.
- 12) Install the Y-Fittings into the upper and lower radiator lines (**PIC04**), secure with the hose clamps provided.
 - Make sure to install the Y-Fittings so the 5/8" splice is opening up toward the radiator to keep with the coolant flow (**PIC05**).
- 13) Run the 4-foot piece of heater hose from the lower fitting (relative to gravity) on the heater box to the inlet Y-Fitting, secure with the hose clamps provided.
- 14) Run the 3-foot piece of heater hose from the higher fitting (relative to gravity) on the heater box to the return Y-Fitting, secure with the hose clamps provided.

STEP 4: INSTALL VENTS AND LOUVERS AND RUN DUCT

- 15) Stretch your duct out and cut into the following lengths: (2) 20" pieces for the defrost vents and (2) 16" pieces for the floor vents.
- 16) With the top dash panel off turn it over and measure a 3.75" x 1.80" opening. Measure this off of the inside-front corner of the OEM vent embossment on both sides (**PIC06**).
- 17) Using a utility knife cut the opening out (**PIC07**). Make sure to plunge the blade straight down and pull the blade straight out. Use a flame on the blade to make cutting easier.
- 18) Install the two defrost vents (**PIC08**) (**PIC09**).
- 19) On the lower dash panel, cut and remove the existing cubby hole (**PIC10**).
- 20) Use the floor vent cut-out template and tape in on the lower dash panel (**PIC11**).
- 21) Using a 3" circle saw, cut the louver openings and install the two circular floor louvers (**PIC12**).
 - The face and adapter portions screw apart. Set the face in the hole and screw the adapter on from the backside. Install the duct barbs on the adapters for max hold.
- 22) Included in the kit is a cubby-hole plate cover, install this plate as shown (**PIC12**).
- 23) Connect the four runs of duct from the vents to the heater box adapters and secure with the zip ties provided.

STEP 5: WIRING

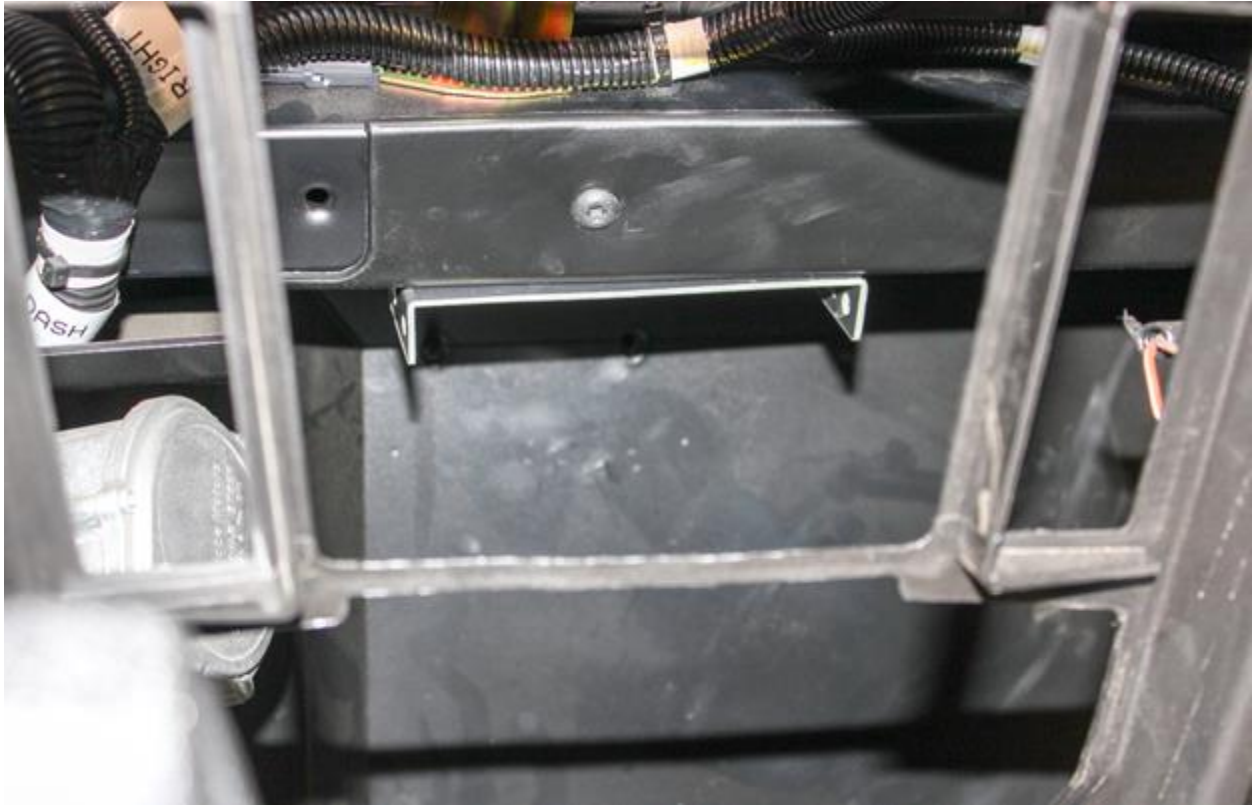
- 24) Remove one of the factory switch plates and install the rocker switch (**PIC13**).
- 25) Using the wiring harness, plug the switch connector into the back of the rocker switch.
- 26) Using the wiring harness, plug the blower fan connector to the heater box blower.
- 27) Under the hood there is a circular embossment, drill a ½" bit hole in the middle of this embossment and run the accessory 12v and ground (red and black) wires through this.
- 28) Using the wiring harness, run the accessory 12v and ground eyelets through the fire-wall hole and onto the accessory bar (**PIC14**).
- 29) Once the wiring is complete test the heater blower.

STEP 6: REFILL COOLANT

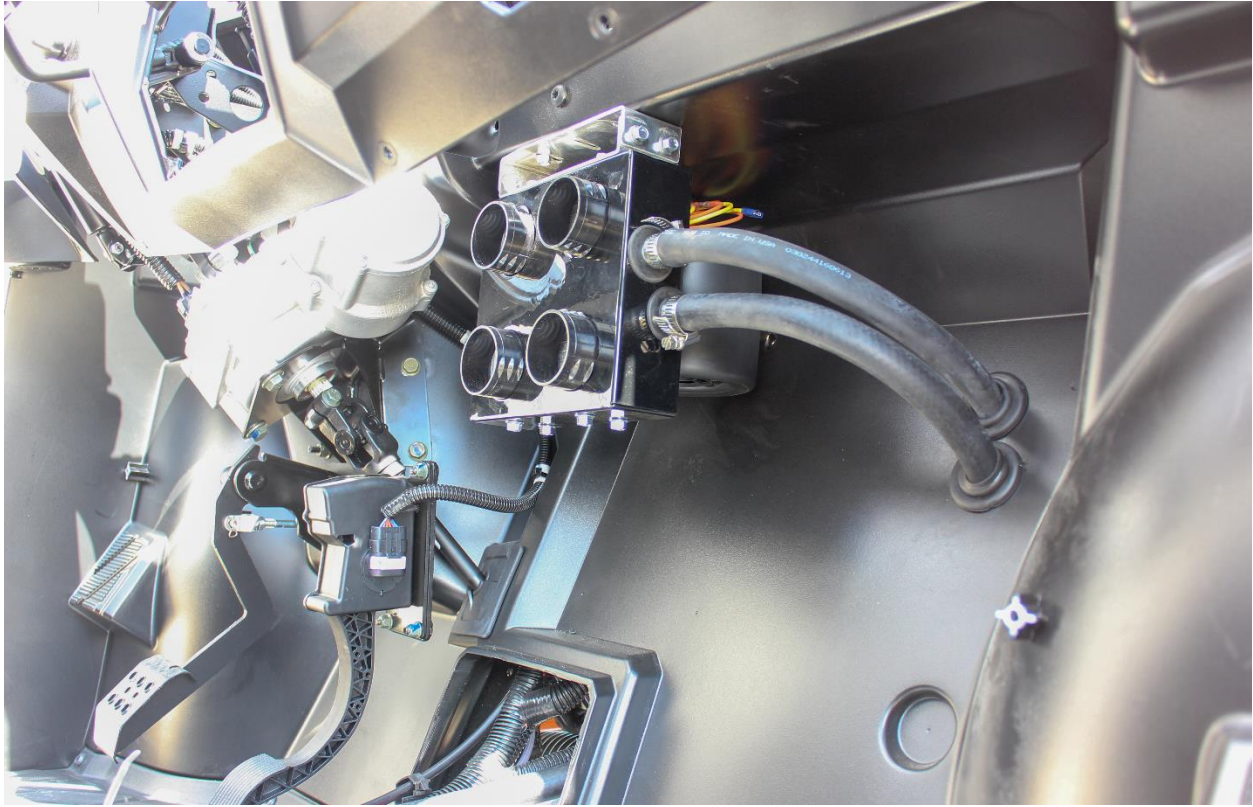
- 30) Refill the radiator and check for leaks.
- 31) Start the machine and allow the engine to warm up and circulate the coolant.
- 32) Test drive the vehicle and put it under a load, this will help expel air from the system.
- 33) When done let the machine cool down, recheck the coolant level and refill coolant.
- 34) 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.



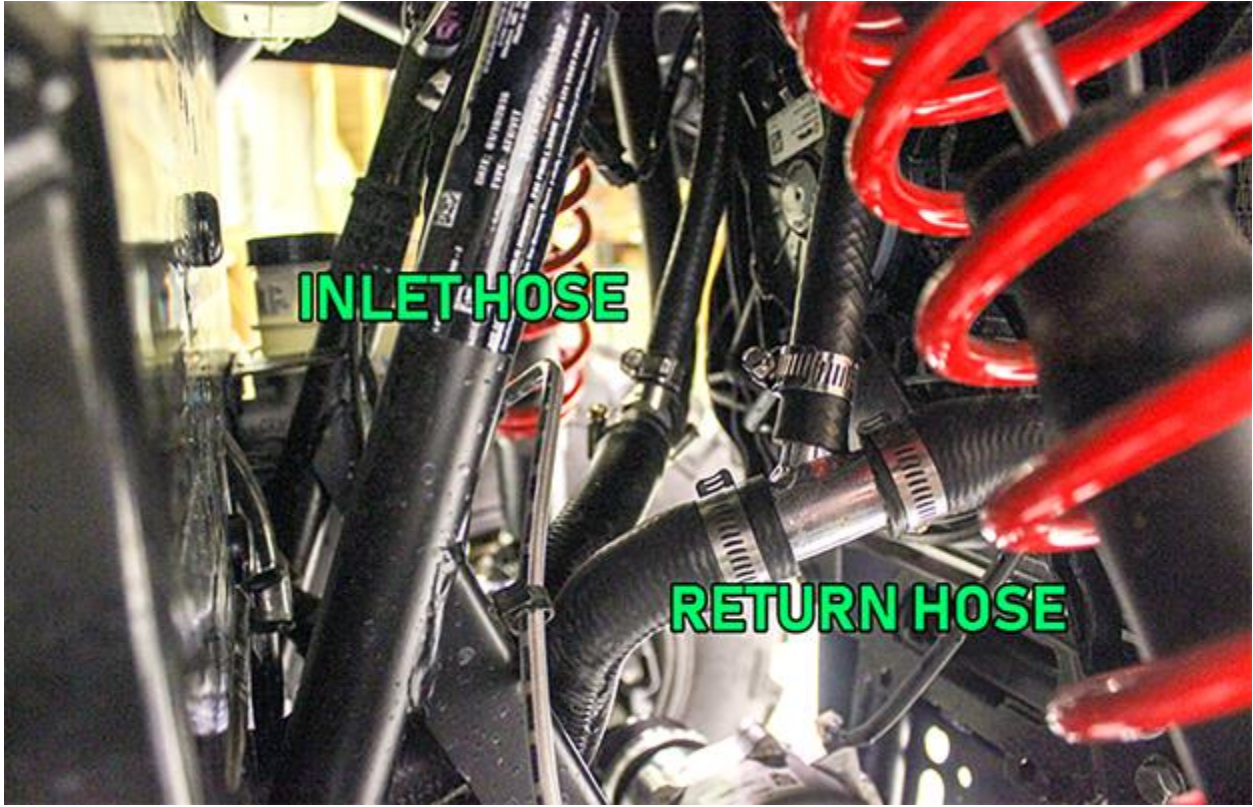
PIC01



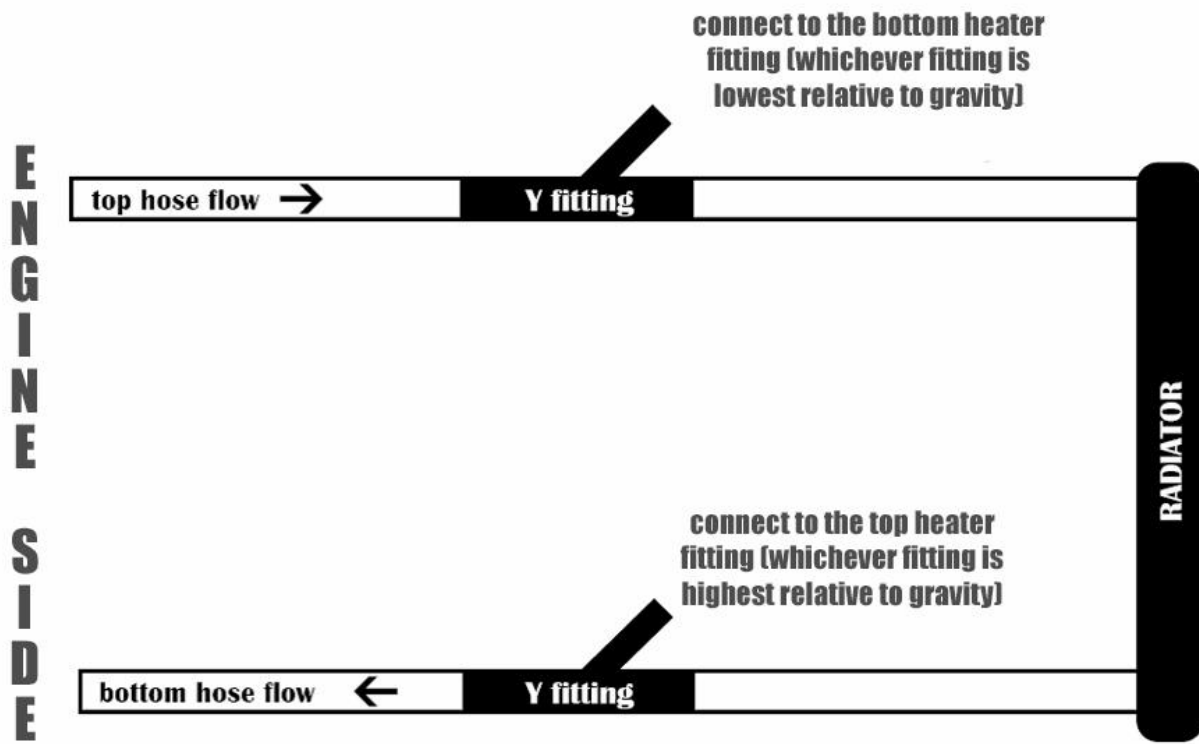
PIC02



PIC03



PIC04



PIC05



PIC06



PIC07



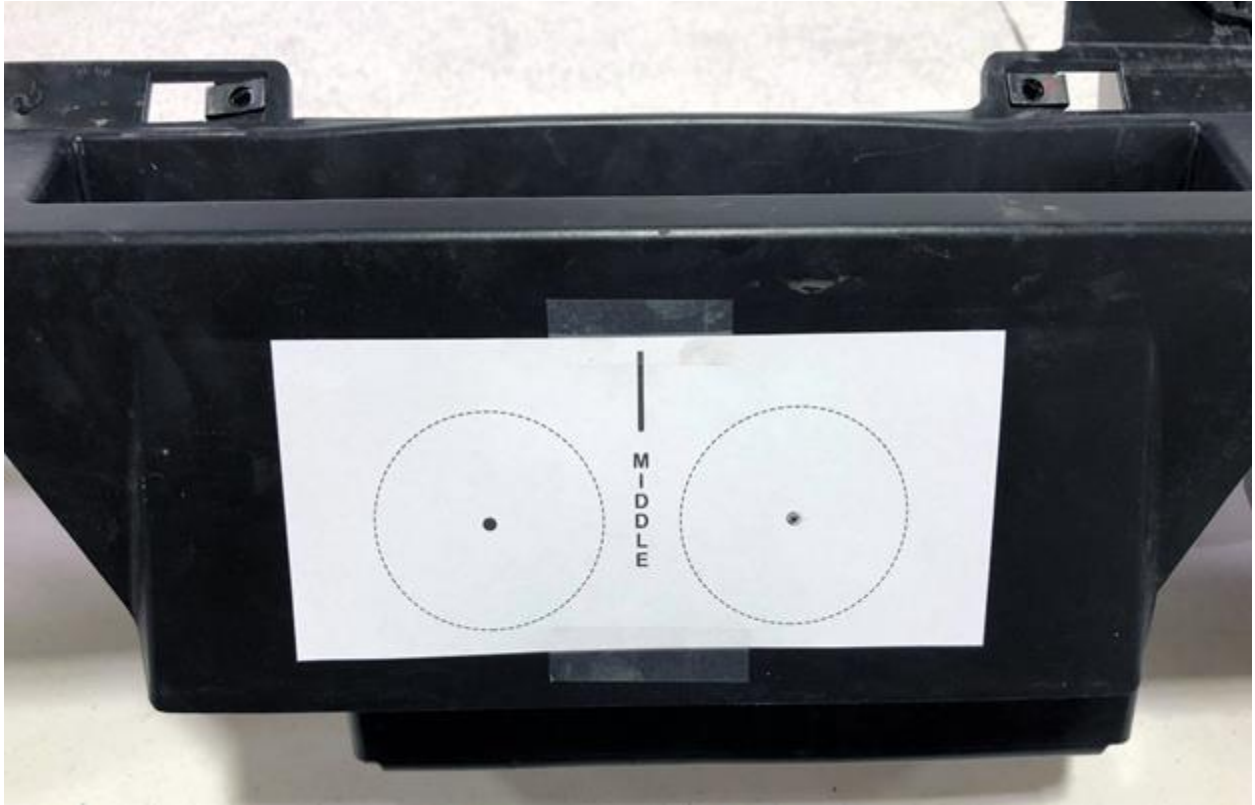
PIC08



PIC09



PIC10



PIC11



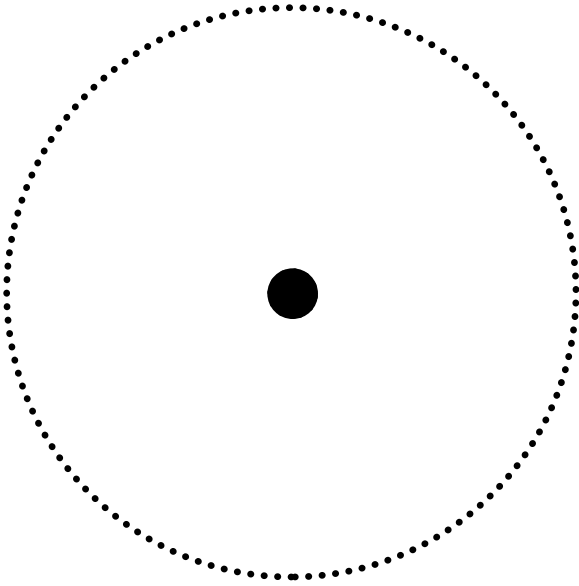
PIC12



PIC13



PIC14



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