Heatercraft 2019+ Polaris Pro Xp Heater / Defroster Kit



Installation Instructions:

This heater unit installs under the passenger side upper dash storage compartment.

This kit requires the permanent removal of the passenger side storage compartment.

Never work on a hot vehicle, severe burns can occur.

The following instructions are intended for use with the 2019+ Polaris Pro XP with or without a factory or aftermarket stereo system.

- Make sure the vehicle is in park, lift the front of the vehicle and secure with jack stands. Remove the driver and passenger side tire/wheel. (tire removal is optional but does make installation easier.)
- 2. Remove the passenger side fender screws with a T40 Torx socket.
- 3. Remove all 4 upper dash panel trim pieces (these are held on with metal clips and will pop out when pull straight up or out)
- 4. Remove the upper dash panel held on by t40 torx screws.
- 5. Remove the passenger upper dash mounted storage bin lid, then remove the hinge assembly from the lid using a t20 torx socket. (The hinge will not be reused)
- 6. Remove the storage bin and set aside. (the bin will not be reused)
- Cut out all 4 dash vent templates and tape into the proper locations (see images 1,2 &3) NOTE: The passenger vent installs on the right side lower wheel well just forward of the door.
- 8. Using a 1/8" drill bit, drill a pilot hole in the center of all 4 vent locations, then using a 2" hole saw cut out all 4 vent locations and snap the 4 vents into place. (tip-use a utility knife to clean up the burrs left by the hole saw, this will allow the vents to snap into place more easily)
- 9. Cut the 2" vinyl heater vent hoses into the following lengths. (measure lengths by stretching the hose and then cutting).
 - a. Qty 1 Passenger defrost supply 12"
 - b. Qty 1 Drivers defrost supply 24"
 - c. Qty 1 Main defrost supply 34"
 - d. Qty 2 drivers/passenger supply 18" each
- Attach all 3 defrost vent hoses to the supplied 2" wye and secure with 15" zip ties. (see image 4)
- 11. Route passenger vent hose from the heater core through the frame. (see image 5)
- 12. Cut the supplied 5/8" rubber coolant hose in half.
- 13. Run both hoses through the rubber grommet on the passenger side firewall. Route one hose to the passenger side of the radiator and the other to the driver's side. (These will be cut into the radiator supply and return line later) (make sure to keep away from moving parts to avoid pinching)
- 14. Set the heater core in its position. (do not secure, all vents and hoses must be routed before final installation. (see image 5)
- 15. See picture for the suggested way to attach and route heater supply hoses. (see images 6a. and 6b.)
 - a. Route defrost vent from the defrost vent wye, under the blower and around the right side of the heater assembly.
 - b. Passenger vent hose runs under the defrost hose and then passes through the frame as shown.
 - c. Drivers side vent hose runs around the left side of the heater core (make sure to keep as close to the power pulse bar to avoid getting caught on the center storage box hinge)
- 16. Attach the coolant supply hoses to the back of the heater core and secure with supplied #8 hose clamps. (see image 8)

- 17. Attach the heater core mounting bracket to the heater core with 4 supplied #8 machine screws. (see image 9)
- 18. Carefully work the heater core into its final mounting position being very careful not to pinch any vent hoses or coolant supply and return lines)

NOTE : This is an extremely tight fit. (refer to photo for approximate hose placement)

19. Attach the heater unit with 2 supplied plastic push pins and 2 #10 ½" self tapping screws. (see image 9)

NOTE: Proceed only after the heater unit has been secured so the coolant supply lines from the heater core will be the correct length.

Coolant T Installation:

- 20. Starting on the driver's side, pull the rubber coolant hose towards the radiator supply/return line. (do not pull too tight). Cut the heater core supply line where it intersects the radiator supply/return line. This will be where the T is installed.
- 21. Cut the coolant supply/ return line where the two rubber hoses intersect. (Drain coolant into a clean bucket for reuse) (Supply/return lines can be clamped as well to minimize coolant loss)
- 22. Insert the supplied T and secure with qty 2 #16 and qty 1 #8 hose clamps.

Repeat steps 19-21 for the passenger side

- 23. Locate the 2 position heater switch and connect to the wiring harness: (see image 10)
 - a. Orange Position 1 (Fan High)
 - b. Red Position 2 (+ Power)
 - c. Yellow Position 3 (Fan Low)
- 24. Attach the wiring harness to the blower motor making sure wiring is as follows: blackblack, yellow-yellow, orange to orange.
- 25. Install the 10 amp fuse in the yellow fuse holder and plug the power supply plug into the pulse power bar located on the top center firewall. (see image 11)
- 26. Test the blower to ensure all electrical connections have been made correctly.
- 27. Reinstall the upper dash panel and trim panels. (Make sure the heater hoses will not interfere with the operation of the center storage bin hinge.
- 28. Reinstall fenders
- 29. Reinstall the center storage bin and check again to make sure the vent supply lines do not interfere with the lid operation.
- 30. Using the supplied template, drill 2 5/16" holes in the passenger side glove box lid. see image 12a and 12b.
- 31. Screw the two threaded inserts into the holes on the top of the dash panel. These will be used to secure the passenger side storage box lid in place. (see image 13)

32. Place the passenger side storage lid in place, fastening the front latch and then secure in place with the 2 supplied ¼ - 20 screws.

Filling and Bleeding the system.

- 33. Remove the radiator filler cap (cold) and pour the coolant drained from step 20 back into the radiator filler. (Filler located in the cargo bed, see image 14)
- 34. Add more coolant to filler until it is topped off. This will need to be repeated multiple times until the system has been refilled and bled.
- 35. Reinstall wheels/tires if removed.
- 36. Start the vehicle and let run 10-15 minutes watching the temperature gauge on the dash. Once the vehicle has been brought up to 185-190 degrees the thermostat on the engine will open up and the hot coolant will start circulating. It will take a few minutes for the coolant to cycle through the heater core and heat up. Turn on blower to see if you have heat. If cold air is coming through the vents there is still air in the system. Turn off the vehicle, let cool and check the coolant level. Add coolant if needed and repeat the bleeding process.

Tips for bleeding:

- 1. Driving the vehicle can help to burp out excess air.
- 2. COLD VEHICLE ONLY! Remove radiator filler cap and repeatedly squeeze the supply and return lines to try and force air out of the system.
- 3. The bleeding process can be very fast or extremely slow.

Enjoy your new Heatercraft Pro XP heater kit!!

Tools Needed:

Drill T40 Torx socket or wrench T20 Torx socket 1/8" Drill bit

5/16" Drill bit 5/16" Nut Driver 2.00" Hole saw 1 3/8" Hole saw **Regular screwdriver Phillips screwdriver** Masking tape 3/8" socket wrench 10mm socket Windex **Utility Knife** 50/50 Premixed Antifreeze Bucket/Catch Basin for Draining Coolant Jack Jack stands

Kit Parts List:

Heater Unit 4 Outlet staggered face 4 Louver vents 3 2" adapters

1 outlet block off cap 2 T's4 #16 hose clamps 4 #8 hose clamps 1 2" air wye Switch Wiring harness Pulse bar plug (Waytek wire) Rubber seal 39004 x 2 3 way female body 38065 x 1 Secondary lock clip 38037 x 1 Female terminals 31068 x 2 Qty 8 15" Zip ties Rubber Switch spacers qty 3 (carling technologies pn# vps-01) waytek Vent hose 10' 6' 5/8" coolant hose Pro Xp heater core bracket Qty 2 #10 x ½" self tapping screws (hc stock hardware) Qty 2 self tapping zinc inserts (mcmaster carr pn# 95596a310) M6 x 1mm Qty 2 M6 x 1 20mm flanged head bolt (hc stock hardware)

Qty 4 #8 machine screws































