



**POLARIS GENERAL 1000 EPS
HEATER INSTALLATION
p/n: 9PH20S63**

The contents of this envelope are the property of the owner.
Be sure to leave with the owner when installation is complete.



California Proposition 65
⚠ WARNING ⚠
Engine exhaust, some of its constituents, certain vehicle components and fluids, contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

1. HEATER PREP.

1.1 It is absolutely necessary to remove the rubber plugs from the heater tubes.

2. HEATER INSTALLATION

2.1 Drill two 3 inch holes (shown as white ovals in the photo) into the dashboard for the air vents.

2.2 Lead the hot water hose through the central console back to the engine bay (shown as the white arrow pointing up and to the right in the photo) and the other hose to the radiator (shown as the light gray arrow pointing up and to the left in the photo).

2.3 Cut a 2 inch hole into the central console for the hot air PVC hose and lead the hoses under the dashboard to the prepared holes for air vents.

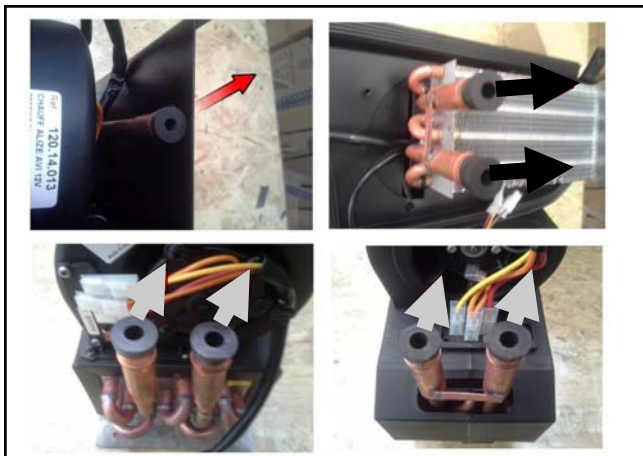


Fig. 1.1

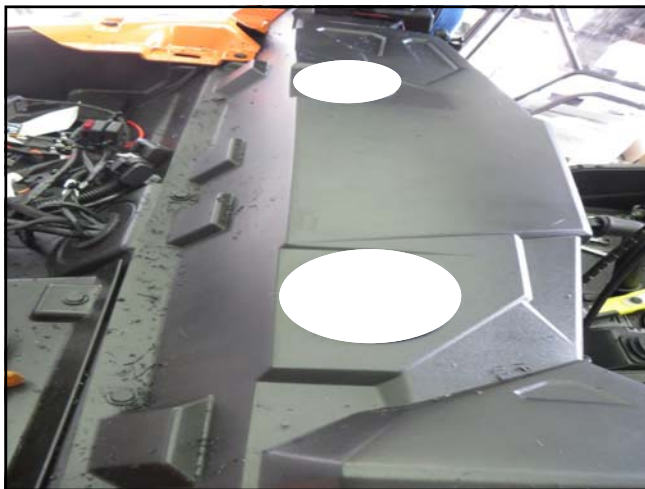


Fig. 2.1



Fig. 2.2



Fig. 2.3

2.4 Cut holes for the heater hoses into the central console bottom cover (shown as two white circles in the photo).

2.5 Install the central console bottom cover back and place the heater on it.

2.6 Connect the heater harness branch to the heater and the electric valve harness branch to the electric valve.
Note: p.7 shows a wiring diagram.

2.7 Attach the heater bracket to the central console cover with included rubber rivets (shown in white circles in the photo) on both sides.



Fig. 2.4



Fig. 2.5



Fig. 2.6



Fig. 2.7

2.8 Lead the heater harness alongside hot air hoses under the dashboard (see the vertical black arrow in the photo).

2.9 Drill one 1/2 inch hole and two 1/8" holes (shown as the black oval area on the left side of the photo) into the dashboard in accordance with the ventilator switch base. Drill a 13/16" diameter hole (shown as a black circle on the right side of the photo) for the electromagnetic vent switch.

2.10 Pull the valve switch harness branch through the hole from previous step and connect the branch to the switch. See fig. 2.10.

2.11 Lead the switch harness branches from the heater to the UTV switch panel. Connect the heater switch body with the harness branch. Insert the switch body with the harness and with the serrated-lock washer into the prepared hole from inside See fig. 2.11.



Fig. 2.8



Fig. 2.9

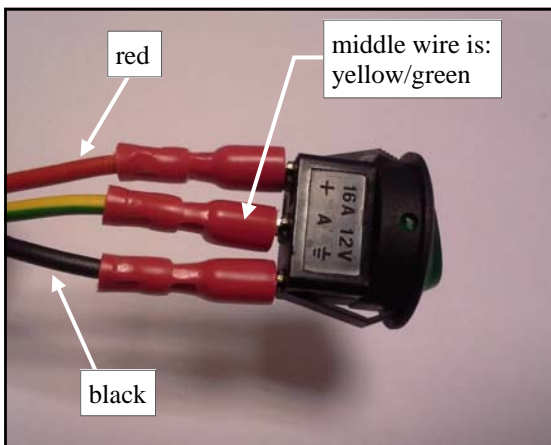


Fig. 2.10

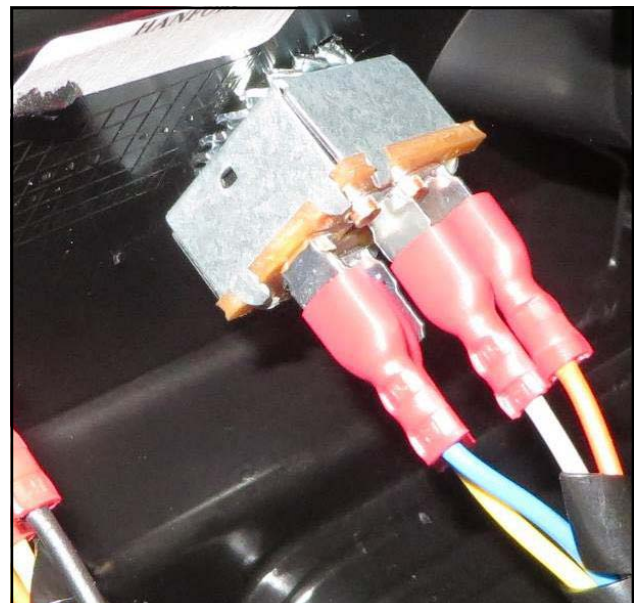


Fig. 2.11

2.12 Detailed view of the switches installed.

2.13 Secure the original cooling system hose with clamps and cut the hose between the clamps (see where the white arrow is pointing to in the photo).

2.14 Install the "Y" coupling into the hose and secure with hose clamps. Install the heater hose onto the coupling and secure with hose clamps (shown in the white circle in the photo). Tighten firmly.

2.15 Repeat previous steps with the front heater hose.



Fig. 2.12



Fig. 2.13

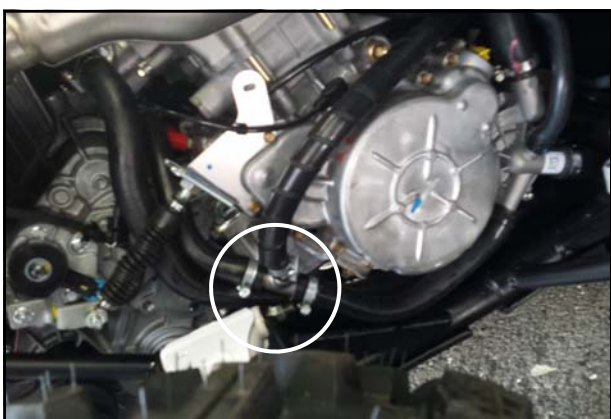


Fig. 2.14

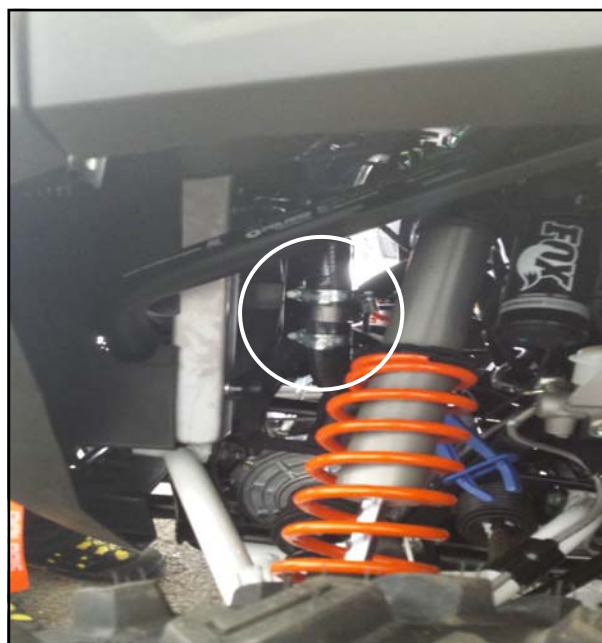


Fig. 2.15

2.16 Lead the hot air hoses under the dashboard and through the air vent holes. Install the air vent onto the hoses and secure with hose clamps. Press the air vents into the dashboard.

2.17 Install the heater covers in position and lead the bottom hot air hoses through on both sides.

2.18 Install air vent onto the hot air hose, secure with hose clamp and press the air vent into the cover on both sides. Fig. 2.18 shows the right view (fig. 2.19 is the left view).

2.19 Left view shown.



Fig. 2.16



Fig. 2.17



Fig. 2.18



Fig. 2.19

2.20 Connect the heater harness.

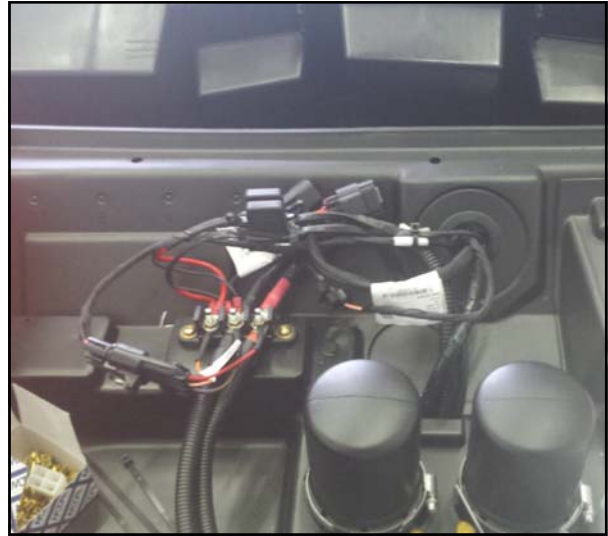
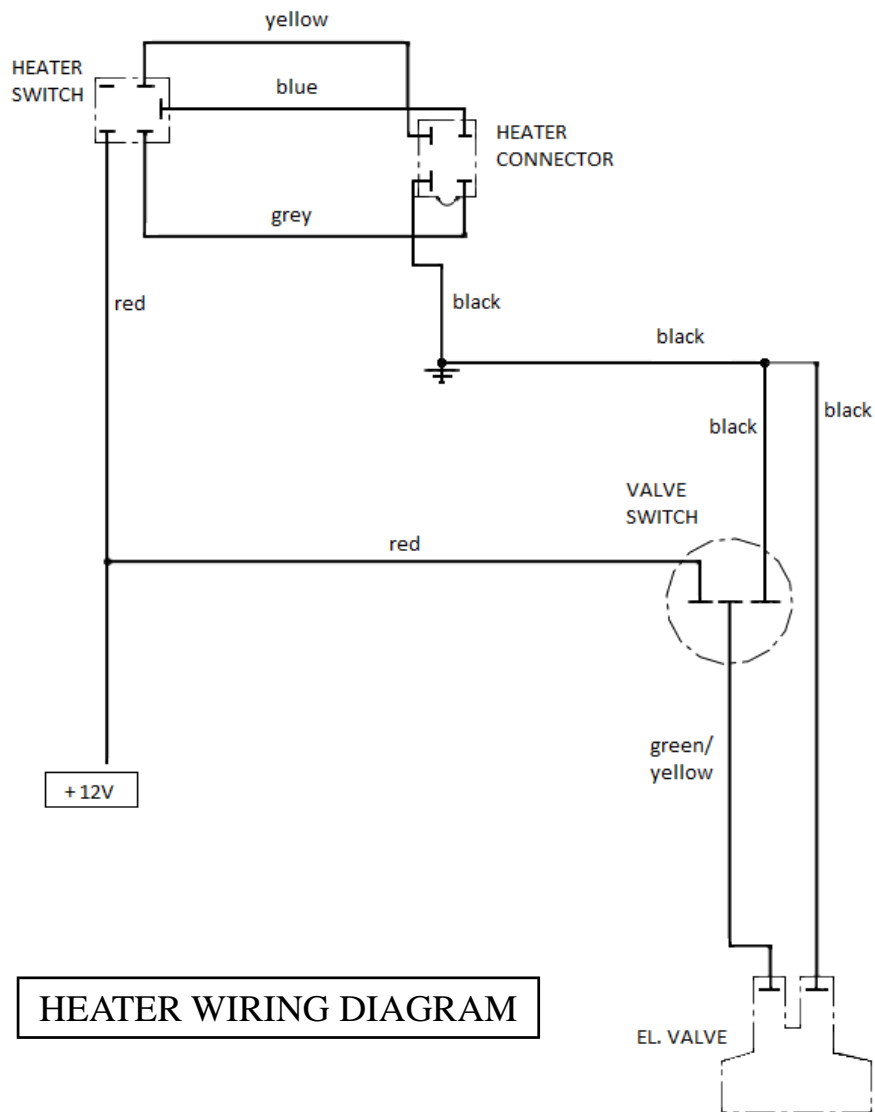
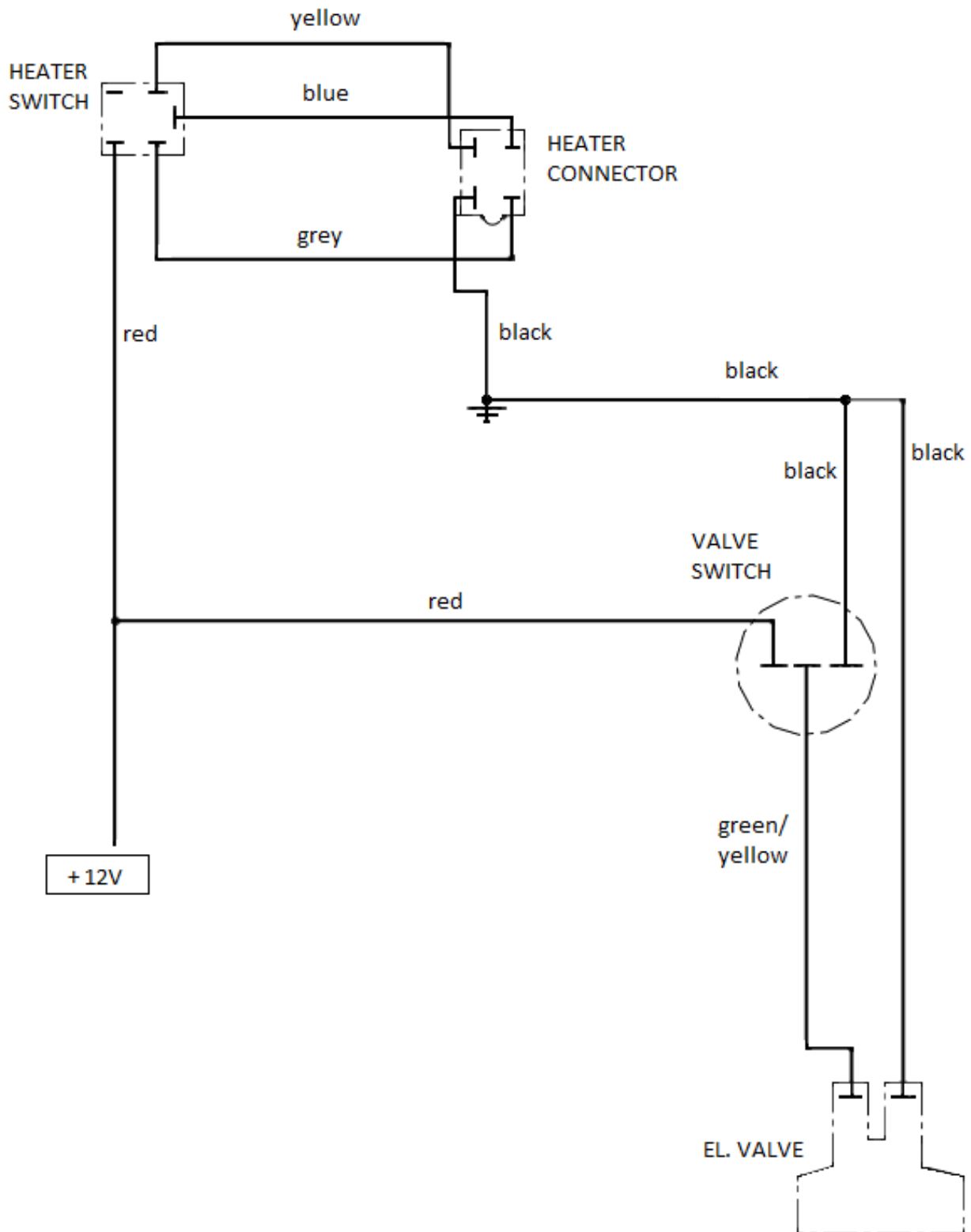


Fig. 2.20



HEATER WIRING DIAGRAM



It is very important to bleed the air out of the UTV's engine cooling system. Incomplete bleeding of the cooling system can result in engine damage. If you do not have sufficient experience with this process, we strongly recommend professional assistance. We are not responsible for damage when the cooling system is bled incompletely. Please note that the additional heater system will absorb more than 2 liters of coolant fluid.

1. Important: After the heating system is installed, check the system for leaks. Turn on the electric vent switch and confirm that the engine is cold. Start the engine, open the bleeding valve and wait until the engine warms up. Always check engine temperature –if it overheats turn off engine.
2. To achieve engine operating temperature, depress the accelerator to increase the engine RPM. This will increase the pressure and flow of the water pump forcing more coolant through the heater. After operating temperature is reached, turn off engine and open the bleeding valve. Trapped air should come out from heater system through the bleeding valve. Repeat this procedure until heater/cooling system is completely bled out.

It is important to check the coolant level regularly at least 4-5 times during the first several days of operation and fill as necessary until the coolant level has stabilized. The heater will draw and retain coolant, sometimes at the expense of coolant to the engine. This can cause engine overheating if not managed properly.

SERVICE PARTS



Electric Valve
p/n: 9SV-00033



Air Vent Valve
p/n: 9SV-00034