



**HONDA PIONEER 700-2 AND 700-4  
HEATER INSTALLATION**  
p/n: 9PH20S64

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 INSTALLATION**

**1.1** Locate the best places for the air vents on the dashboard. Use a 3 inch hole saw.

**1.2** It is important to find places without metal reinforcement under the dashboard body. Regarding photo 1.2, a new PSA (Pressure-Sensitive Adhesive) decal is supplied. Apply it over the OEM decal. Apply to a clean, dry surface at room temperature for best adhesion. There is a built-in template that is intended to be drilled thru. The collar of the vent will hide any minor rough edges left behind by the 3” hole saw.

**1.3** Further suggestions for air vent placement

**1.4** Further suggestions for air vent placement



Fig. 1.1



Fig. 1.2



Fig. 1.3



Fig. 1.4

## **1. HEATER INSTALLATION (cont'd.)**

**1.5** Mark the air vent locations and cut 3 inch holes for the vents (4 places), then run the heater hoses through the holes. Stretch the hoses through the holes and install the air vents and tighten all hose clamps.

**1.6** Per fig. 6.1, locate the supplied hardware for mounting the heater to the frame of the vehicle.

2 Flanged Hex Head Bolts, 5/16-18 x 2" long

2 Flanged Hex Nuts, 5/16-18

4 Fender Washers, 5/16" I.D.

**1.7** Per fig. 1.7, mark places on the frame that will line up with the heater bracket's holes. Drill two holes (11/32" diameter) into the centers of the marks. Install the fasteners.



Fig. 1.5



Fig. 1.6

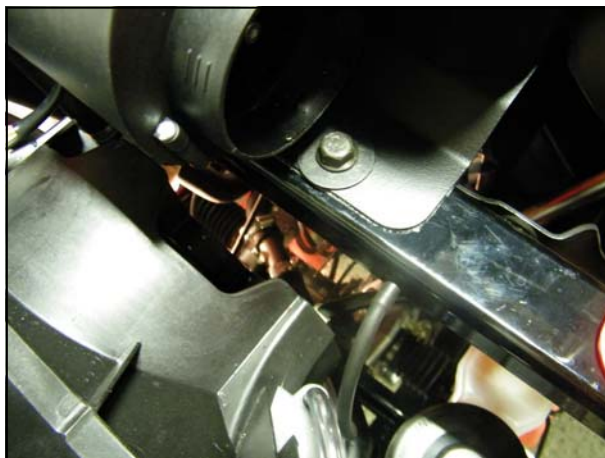


Fig. 1.7

## **1. HEATER INSTALLATION (cont'd.)**

**1.9** Per figures 1.9 and 1.9a, find the best position for the heater switch and the electric valve switch. Drill a 13/16" diameter hole for the electric valve switch into the dashboard.

**1.10** At the installer's discretion (somewhere on the dash where the arrow points), drill 3 holes into the dashboard that will allow for the installation of the ventilator switch base. The center hole is to be 1/2" diameter and the two outboard holes are to be 1/8" diameter. Locate the small 1/8" holes 14mm away (9/16") from the 1/2" center hole as shown in fig. 1.10.



Fig. 1.9



Fig. 1.9a

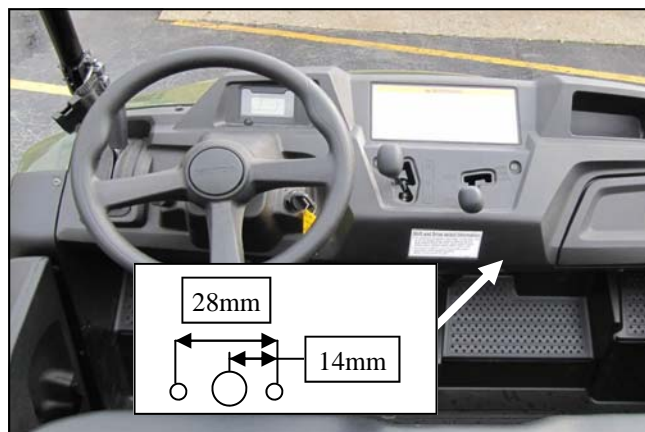


Fig. 1.10

## **1. HEATER INSTALLATION (cont'd.)**

**1.11** Connect the heater wiring to the heater switch as shown in Fig. 1.11 (red is on the left, yellow is up top, blue is to the right, and the last wire is to the bottom).

**1.12** Insert the heater switch into the hole from the inner side of the dashboard and install the remaining parts of the switch.

**1.13** Pull the wire for the electric valve through the hole from the previous page and connect the wiring with the switch (red is up top, yellow is in the middle, and black is down bottom).

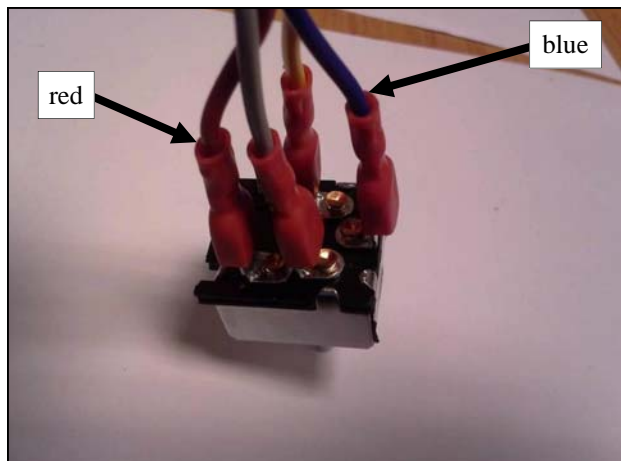


Fig. 1.11

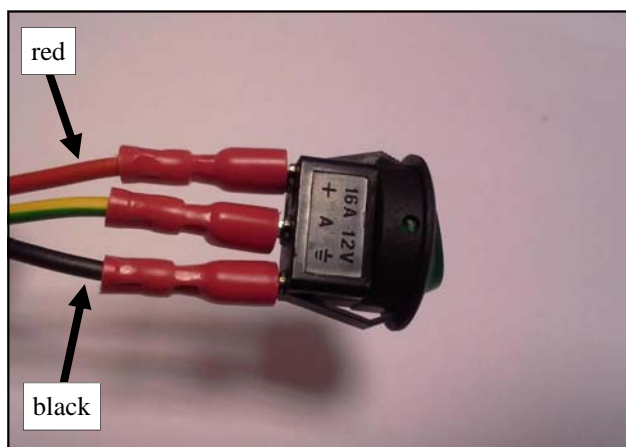


Fig. 1.13



## **1. HEATER INSTALLATION (cont'd.)**

**1.14** Run the heater wiring from the switches to the heater. Install a short length of hose and fasten the hose to the heater tubes. Fasten these hoses to the heater tubes with hose clamps and tighten firmly. Install the electric valve in the same orientation as the picture with hose clamps and tighten firmly.

**1.15** Install the heater hose onto the electric valve with hose clamps and tighten firmly. Connect the harness wiring to the heater.

**1.16** Connect the wiring to the electric vent (black up top and yellow down bottom).



Fig. 1.14

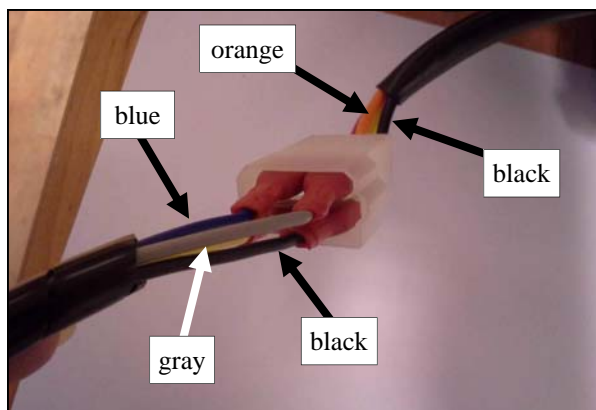


Fig. 1.15

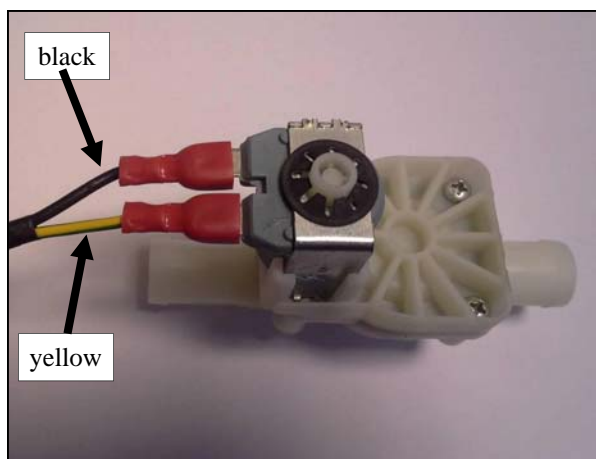


Fig. 1.16

## **1. HEATER INSTALLATION (cont'd.)**

**1.17** Insert the air vents with the heater hoses into the cut holes. Connect the hoses to the heater and secure with the supplied aluminum tape.

**1.18** Run the heater hoses from the heater to the front of the vehicle. Install the "Y" coupling into the engine cooling system hose and tighten firmly with hose clamps.

**1.19** Remove the seats, then remove the plastic cover

**1.20** Run the heater hose with the electric valve to the engine space under the seat. Install the "Y" coupling into the cooling system hose and tighten hose clamps firmly



Fig. 1.18



Fig. 1.19



Fig. 1.20

## **1. HEATER INSTALLATION (cont'd.)**

**1.21** Cut the heater hose without the electric valve near the heater and insert the air vent valve and fasten with hose clamps.

**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.



Fig. 1.21

## **SERVICE PARTS**



Electric Valve  
p/n: 9SV-00033



Air Vent Valve  
p/n: 9SV-00034