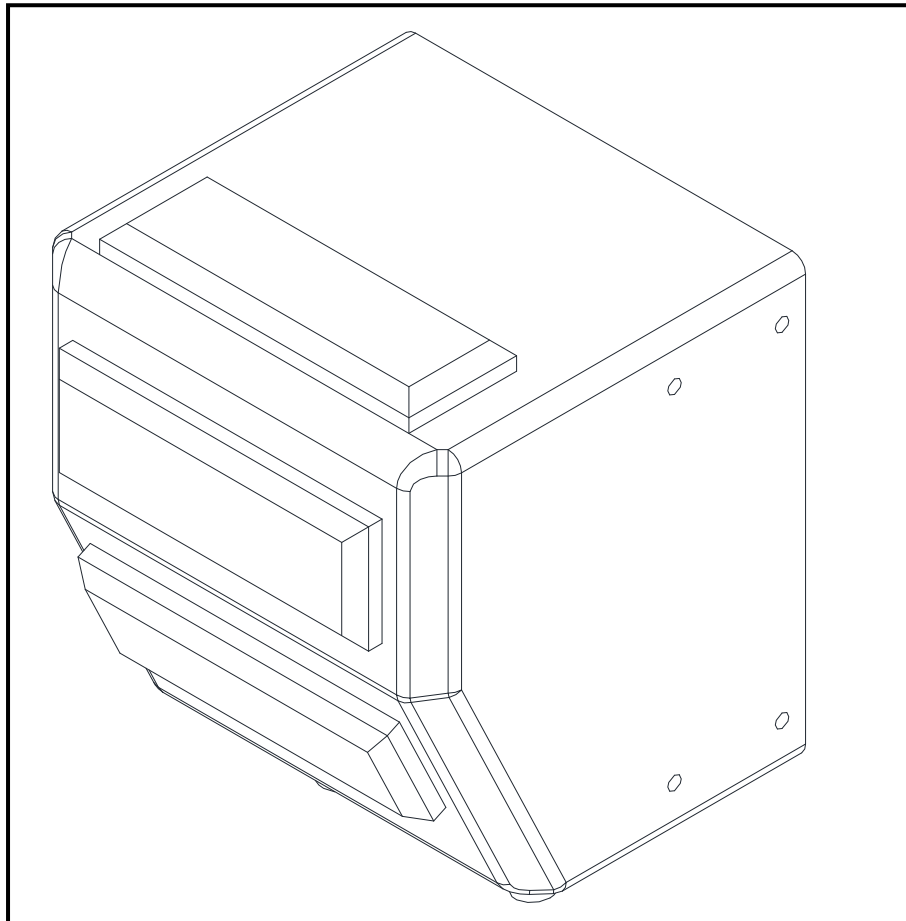




**JOHN DEERE 4 FAMILY
HEATER KIT
P/N 9PH20S58
FITS 4044R, 4052R, 4066R**

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

APPROXIMATE INSTALLATION TIME: 1 HOUR



(8/4/2015)

p/n: IM-9PH20S58

BEFORE YOU START

HELPFUL REMINDERS:

- A. Read and understand all instructions before beginning.
- B. To avoid injury caused by hot engine coolant, make sure the engine is completely cooled down before beginning installation of heater.

TOOLS REQUIRED:

Set of standard and metric sockets
Set of standard and metric open end wrenches

Scissors
Phillip's head screwdriver

Drain Pan
Teflon Tape

STEP 1: VEHICLE PREP

1.1 Remove the engine cover and drain the cooling system from the petcock at the bottom right corner of the radiator.

1.2 Per figure 1.2, remove the 2 Allen plugs from the water pump area and install the two 3/8" NPT nipples provided with Teflon tape.

STEP 2: HEATER

2.1 Remove plugs (if equipped) from heater hose ports.

2.2 Per fig. 2.2, mount heater to right side frame using screws in heater housing.

STEP 3: ROUTING

3.1 Per figure 3.1, remove the plastic plugs and install the snap bushings in the right side bottom of the cowl.

3.2 Per figure 3.2, push ends of heater hose through snap bushings, from inside the cab, leaving a loop long enough to connect to the heater.

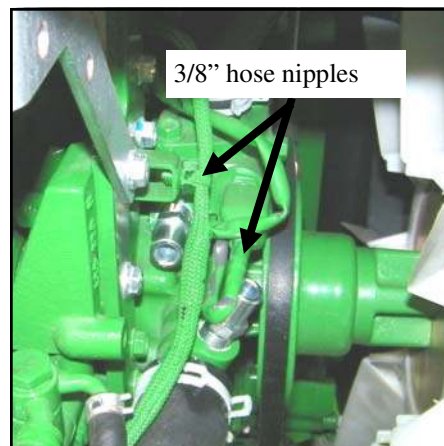


Fig. 1.2



Fig. 2.2

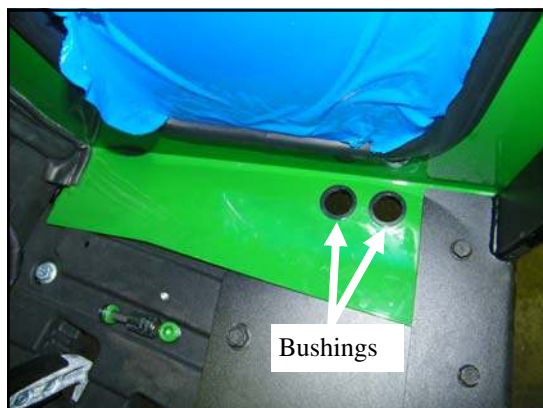


Fig. 3.1

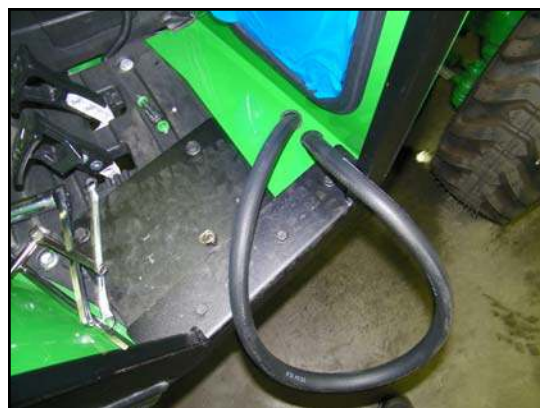


Fig. 3.2

STEP 3 CONTINUED

3.3 Per figure 3.3, route the open end of the hoses toward the front of the engine where the 3/8" NPT nipples were installed in step 1.2

3.4 Connect the hoses to the nipples with hose clamps provided, see fig. 3.4.

3.5 Cut hose to length and install to heater with hose clamps provided.

3.6 Cut and splice the in-line shut-off valve into the supply line (which comes from the top of the thermostat housing), in a suitable location like the one shown in figure 3.6. Attach using two (2) hose clamps. Confirm the valve is all the way open.

NOTE: The in-line shut-off valve quickly converts the heater into a summer time blower by preventing hot water from flowing to the heater core.

3.7 Secure hoses with wire ties as necessary to prevent rubbing against hot or moving engine components. Wire tie the return hose to the air cleaner bracket so it does not kink under its own weight.

3.8 Using manufacturer's recommended procedure, refill the cooling system.

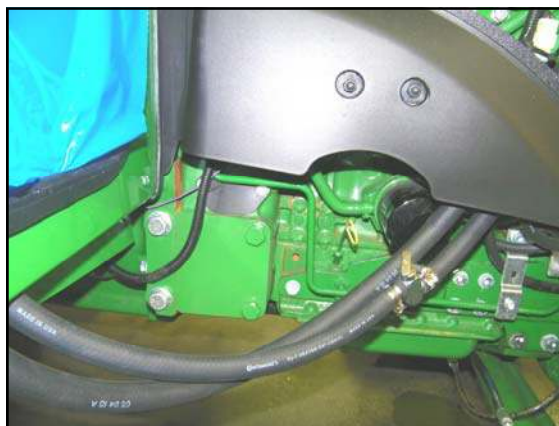


Fig. 3.3

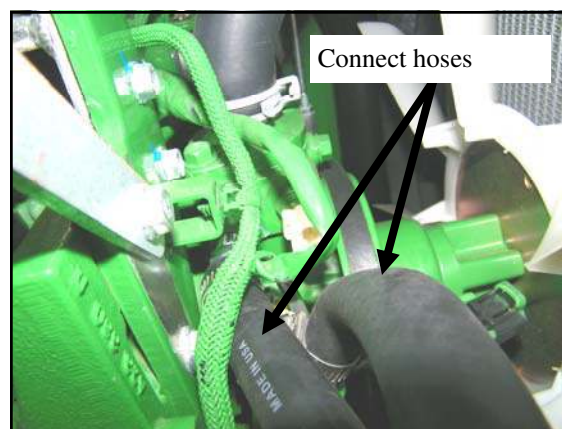


Fig. 3.4



Fig. 3.6

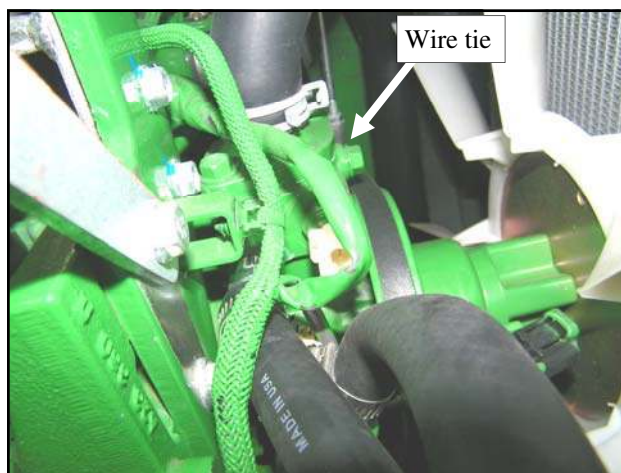


Fig. 3.8

STEP 4: ELECTRICAL WIRING

- 4.1 Connect wire harness to heater, matching the wire colors.
- 4.2 Remove the wiper connector cover from the top of the cowl by removing the 2 thumb screws.
- 4.3 Remove the rectangular plug next to the wiper switch and install the rocker switch with the light bulb toward the bottom.
- 4.4 Connect the plug from the wire harness to the switch and then snap the red switch cover into place.
- 4.5 Matching colors, connect the two wires from the harness to the terminals on the switched power harness under the cover.
- 4.6 Per figure 4.6, coil up any extra harness behind the cover and reinstall the cover.
- 4.7 Per figure 4.7, secure the wire harness under the top lip of the cowl with two P-clips and hardware provided.



Fig. 4.6



Fig. 4.7

STEP 5: FINISHING TOUCHES

- 5.1 Start the engine and check heater hoses and make sure they get warm. If not, remove the heater from its mount and let hang from hoses as low as possible. If the heater and hoses still do not get warm, temporarily put a clamp on the upper radiator hose to force coolant through the heater.
- Warning: To avoid engine damage, remove the clamp as soon as heater gets warm.** Reattach heater to the bracket.

HEATER SERVICE PARTS

| <u>QTY</u> | <u>DESCRIPTION</u> | <u>P/N</u> |
|------------|------------------------|----------------|
| 1 | 20,000 BTU HEATER | 8SV-9PH20WG |
| 1 | HEATER MANUAL | IM-9PH20S58 |
| 1 | HEATER SWITCH | 9SV-OHC6 |
| 1 | HEATER SWITCH COVER | 9SV-9PCD1B |
| 1 | HEATER WIRE KIT | 9SV-KX9HTRWH1 |
| 20' | HEATER HOSE | 9SV-HRH61-20 |
| 6 | 1" HOSE CLAMPS | 9SV-9HR00601.0 |
| 2 | 3/8" NPT NIPPLE | 9SV-9HR0045 |
| 2 | IN-LINE SHUT OFF VALVE | 9SV-UHTRILV |
| 2 | SNAP BUSHINGS | 9SV-9DPSB |