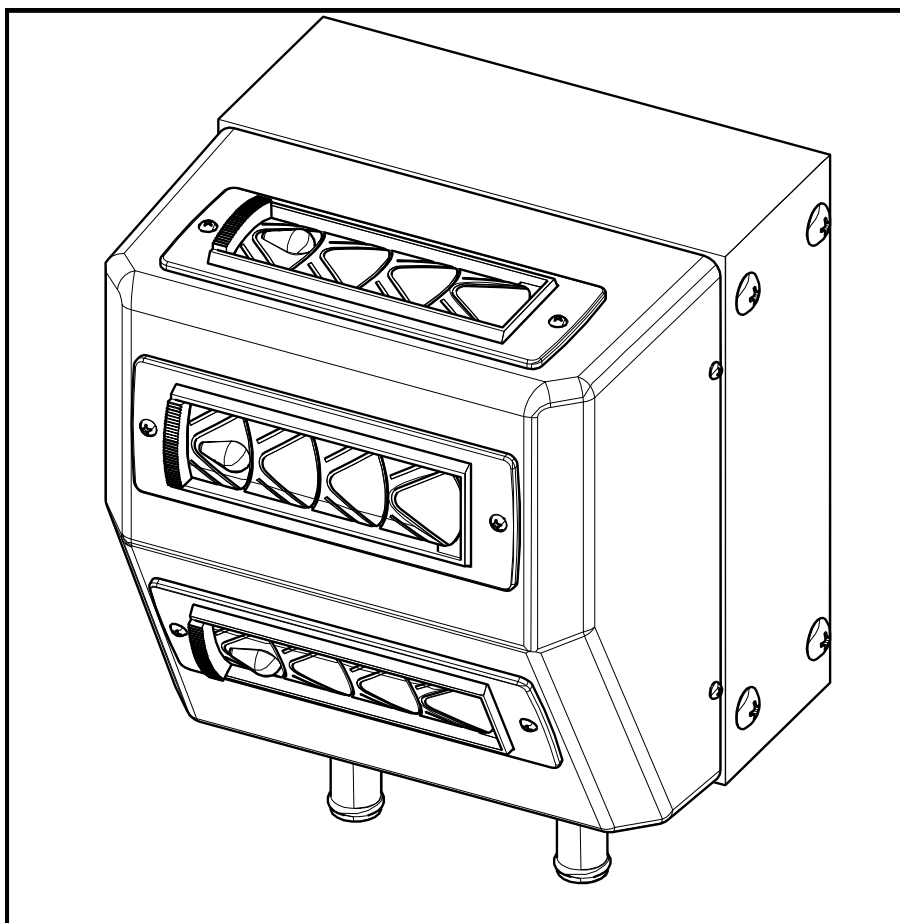




## John Deere 2 Family Heater

(p/n: 9PH20S73)

fits tractor models: 2032 and 2038R



### Approximate Installation Time \*

Experienced Dealer Technician – 2 Hours

Average Dealer Technician – 3 Hours

Do-It-Yourself – 4 Hours

(\* = Not including accessories)

The contents of this envelope are the property of the owner. Leave with the owner when installation is complete.

Rev. A, 05/17/2022

P/N: IM-9PH20S73

# 9PH20S73 HEATER INSTALLATION

These instructions assume cab installation is already complete. If installing heater at the same time as cab, follow cab instructions.

## STEP 1: (Mounting and wiring)

### Tools required

1/2" wrench or socket

- 1.1 Pre-assemble the heater bracket onto the heater using the screws already installed on the side of the heater. See Figure 1.1. Tighten hardware.

### Tools needed

#2 Philips Screw driver.

- 1.2 Remove hardware already in place on the right A-Pillar and attach the heater bracket to the right A-Pillar. See Figure 1.2. Tighten hardware.

### Tools required

1/2" wrench or socket

- 1.3 See fig. 1.3. Push the switch connector up through the rectangular hole in the cowl, connect to the switch and snap in the heater switch. The "off" position for this switch is in the middle, with low speed one way and high speed the other way. The switch may be installed in either direction, and can be removed and rotated 180° later if desired.
- 1.4 Connect the heater bullet connectors to the wiring harness, matching wire colors. Cover the exposed wires with 1/2" split loom provided.

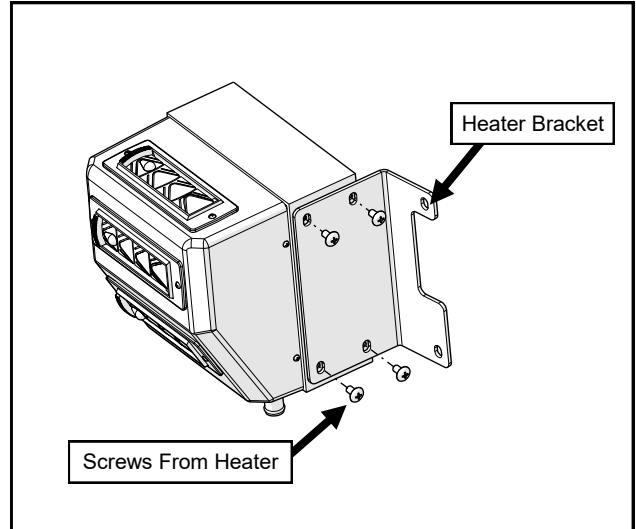


Fig. 1.1 (Pre-assemble Heater to Bracket)

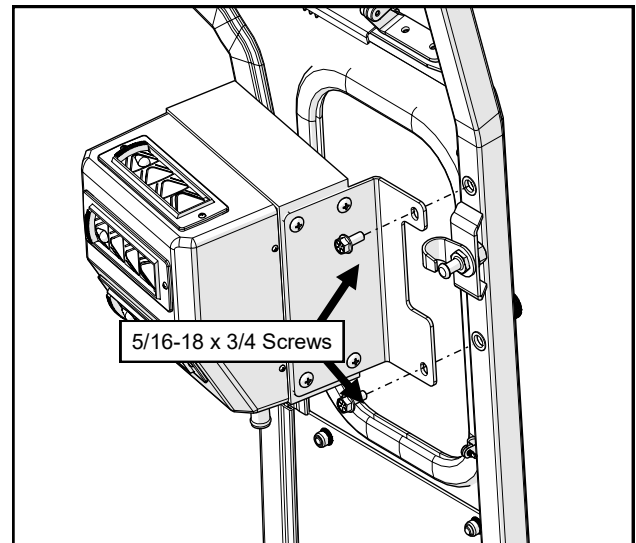


Fig. 1.2 (Install Heater)

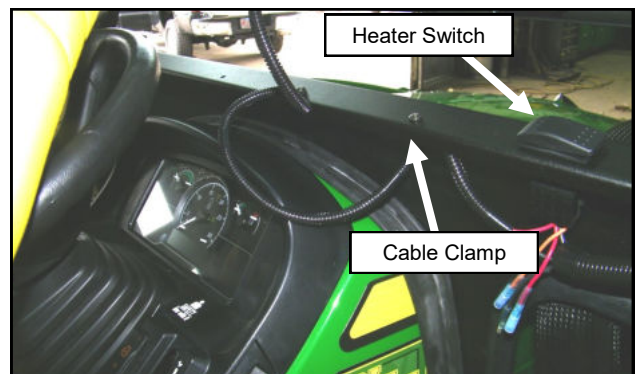


Fig. 1.3 (Secure Wire Harness)

# 9PH20S73 HEATER INSTALLATION

## STEP 2: (HEATER PLUMBING)

**CAUTION: Only work on a cool engine!**

- 2.1 Drain the coolant into a clean container so that it may be reused.
- 2.2 Cut the lower radiator hose where shown. See Figure 2.2.
- 2.3 Place (2) of the larger hose clamps on both cut sides of the lower hose, install the T-Fitting and tighten the clamps.
- 2.4 Remove the NPT plug from the front of the engine and install the block adapter with Teflon tape. See Figures 2.4a and 2.4b.
- 2.5 From inside the cab, install both snap bushings into the large holes in the right A-pillar floor board.
- 2.6 Thread one end of the 5/8" diameter hose down through the inner most snap bushing, and run the hose to the T-fitting. Connect the hose to the T-fitting with a hose clamp.
- 2.7 Inside the cab, cut the hose to length and connect it to the inner most nipple on the heater with a hose clamp.
- 2.8 Thread the remaining hose down through the remaining snap bushing, and run the hose to the block adapter. Connect the hose to the adapter with a hose clamp.
- 2.9 Inside the cab, cut the hose to length and connect it to the outer most nipple on the heater with a hose clamp.
- 2.10 In the engine bay, splice into the hose connected to the block adapter and install the in-line shut-off valve with hose clamps. Note: The in-line shut-off valve quickly converts the heater into a summertime blower by preventing hot water from flowing to the heater core.
- 2.11 Refill the cooling system. Start the tractor and inspect system for leaks. Let the engine cool, check the coolant level, and top off coolant if required.
- 2.12 With the tractor running, check the heater hoses and make sure they get warm. If not, remove the heater from its mount and let hang from the 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.

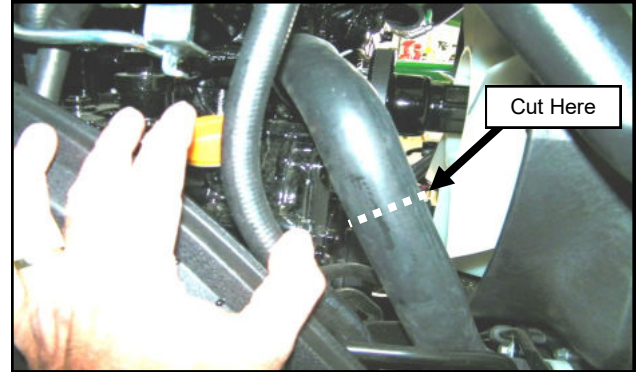


Fig. 2.2 (Cut Lower Radiator Hose)

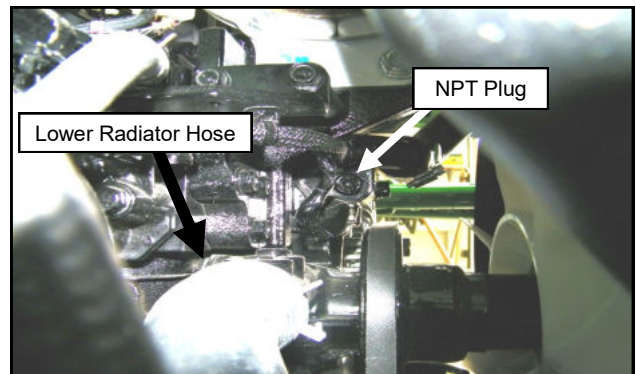


Fig. 2.4a (Remove NPT Plug from Engine)

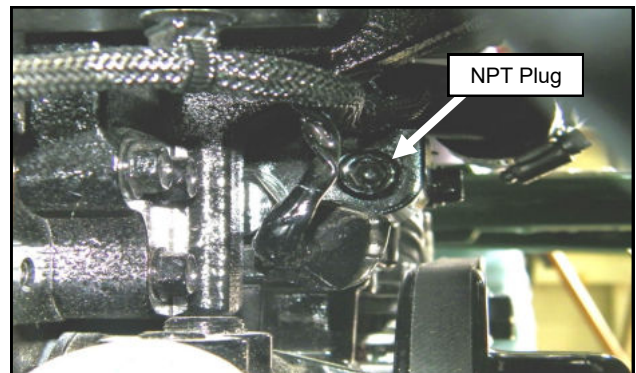


Fig. 2.4b (Remove NPT Plug from Engine)  
(zoomed-in view of image above)

# 9PH20S73 HEATER INSTALLATION

## SERVICE PARTS

PART NUMBER	DESCRIPTION
9HRO4	HEATER HOSE BUSHINGS, QTY.: 1
9SV-9HR-00005	TEE FITTING, 1-1/8" X 1-1/8" X 5/8"
9SV-9HR0045	BLOCK ADAPTER (3/8" NIPPLE)
9SV-9HR00601.0	HOSE CLAMPS #10 (1")
9SV-9HR00601.5	HOSE CLAMPS #16 (1.5")
9SV-UHTRILV	UNIVERSAL HEATER IN-LINE VALVE (SET OF 2)
9SV-9HR0048	ROCKER SWITCH (HI-OFF-LOW)
9SV-9HR-L	REPLACEMENT LOUVER-15,000 & 20,000 BTU HEATER
8SV-9PH20WG	TUCK-AWAY HEATER WITH WIRED GROUND
9SV-HRH61-20	HEATER HOSE (5/8" I.D.)-20 FT
9PH20-2	FAN 120 x 120 x 38 12VDC 12W 3200 RPM