



## A-11759

# HEATER KIT FOR JD X MY10 CABS

12VDC, Variable Speed, 200 CFM

**Note:** This kit requires a minimum current draw of 1 amp at 12 VDC. Do not exceed the machine's available alternator capacity. If you do not know how much current is available, contact your dealer or manufacturer of this machine, prior to installing this kit. This kit is for use in cabs that have a factory installed overhead switch console. The cab and overhead switch console are supplied with a main feed breaker/relay wire harness and 6-slot fuse block with ground terminals.

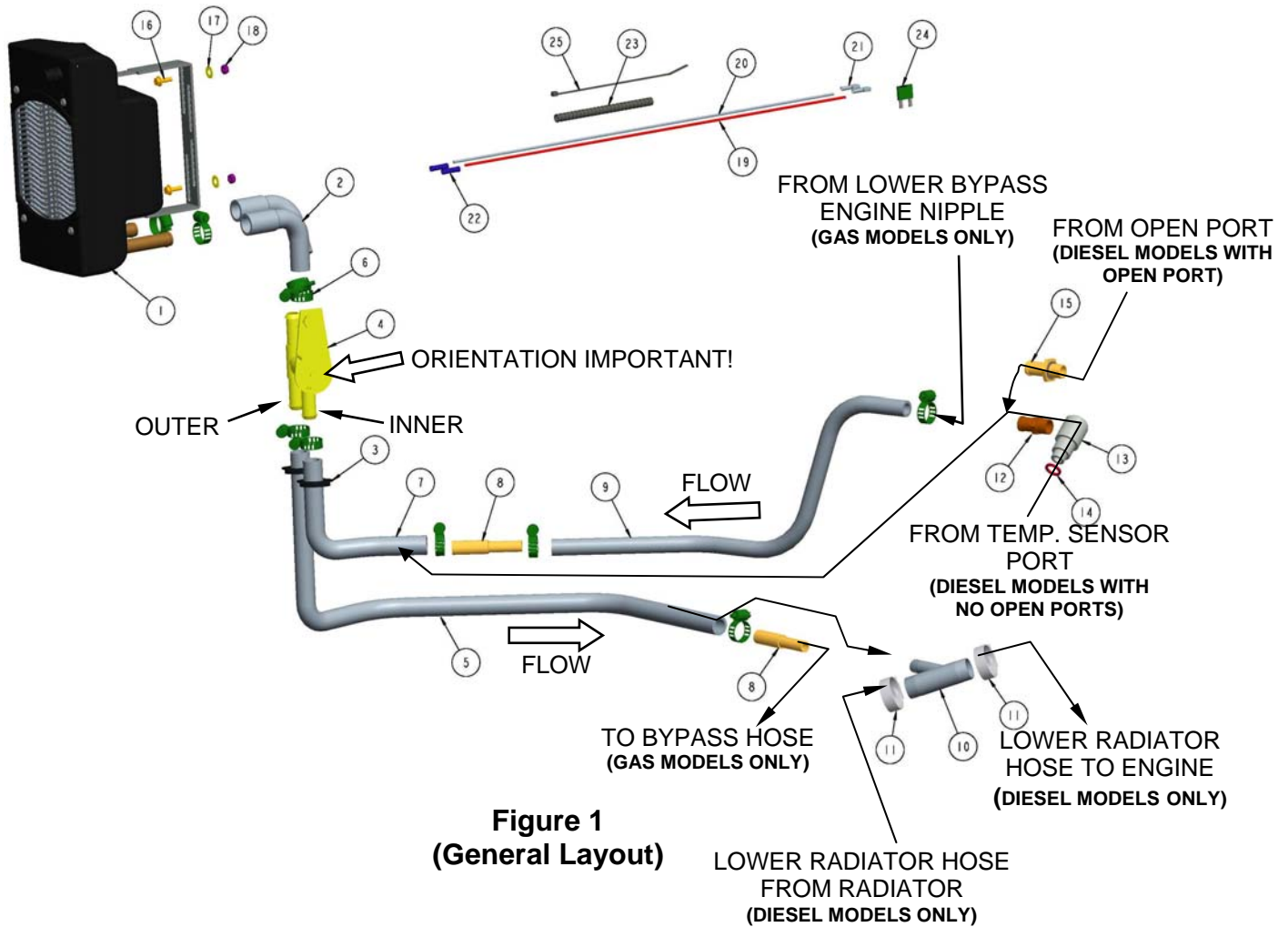
**Before you begin, read these instructions and identify all components. Please retain these instructions for future reference and parts ordering information.**

**Note:** Cab should be installed prior to installing heater kit. Sort kit components for either gas or diesel models. Refer to kit components and figure 1 for general layout.

### Kit Components:

USED ON	ITEM	QTY	PART No.	DESCRIPTION
ALL MODELS	1	1	3-19451	HEATER UNIT, AQUA-HOT
ALL MODELS	2	2	3-19474	HEATER HOSE, ELBOW 90, REDUCING 3/4" TO 5/8"
ALL MODELS	3	2	3-10730	GROMMET, 1.375"
ALL MODELS	4	1	3-16692	H-VALVE
ALL MODELS	5	1	3-11172	HEATER HOSE, 5/8" X 44 INCHES LONG
ALL MODELS	6	10	3-10858	HOSE CLAMP, No. 10
ALL MODELS	7	1	3-11172	HEATER HOSE, 5/8" X 48 INCHES LONG
GAS MODELS ONLY	8	2	3-16693	REDUCER FITTING, 5/8" TO 1/2"
GAS MODELS ONLY	9	1	3-14214	HEATER HOSE, 1/2" X 36 INCHES LONG
DIESEL MODELS ONLY	10	1	3-18369	HEATER Y-FITTING
DIESEL MODELS ONLY	11	2	3-13442	HOSE CLAMP, LARGE
DIESEL MODELS ONLY	12	1	3-12119	FITTING, 3/8" NPT TO 5/8" HOSE BARB
DIESEL MODELS ONLY	13	1	3-16264	ALUMINUM FITTING
DIESEL MODELS ONLY	14	1	3-16823	O-RING
DIESEL MODELS ONLY	15	1	3-18342	FITTING, 16MM THREAD TO 5/8" HOSE BARB
ALL MODELS	16	2	3-14927	FLANGED BOLT, No. 10 x 5/8" LONG
ALL MODELS	17	2	3-10083	WASHER, FLAT No. 10
ALL MODELS	18	2	3-10308	NYLOCK NUT, No. 10
ALL MODELS	19	1	3-10364	WIRE, RED 14 GA. X 8 FEET LONG
ALL MODELS	20	1	3-10345	WIRE, BLACK 14 GA. X 8 FEET LONG
ALL MODELS	21	2	3-10670	TERMINAL CONNECTOR, BLUE 14 GA FEMALE
ALL MODELS	22	2	3-10672	TERMINAL CONNECTOR, BLUE 14 GA BUTT
ALL MODELS	23	1	3-10704	WIRE DUCT/LOOM, .350" X 7 FEET
ALL MODELS	24	1	3-16582	FUSE, 2 AMP BLADE TYPE ATO/ATC
ALL MODELS	25	12	3-16629	NYLON TIE, BLACK
ALL MODELS	26	1	3-19155	HOSE SLEEVE, PROTECTIVE
ALL MODELS	27	1	05-11046	MOUNTING INSTRUCTIONS FOR A-11759

## MOUNTING INSTRUCTIONS

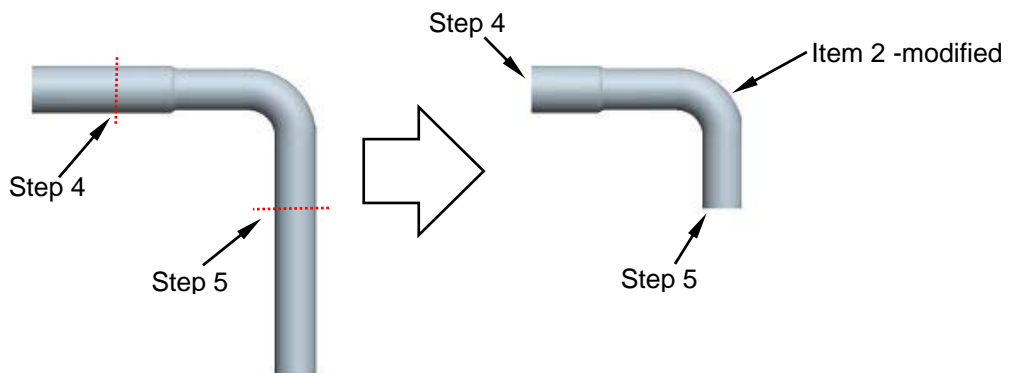


### Preparation of Tractor;

1. Park tractor on level surface and turn ignition key off.
2. Allow engine to cool. Drain coolant from radiator.

### Mounting the heater unit;

3. Modify both  $\frac{3}{4}$ " to  $\frac{5}{8}$ " reducing heater hose elbows (item 2) as shown in Figure 2.
4. Shorten by cutting 2- $\frac{1}{8}$ " from  $\frac{3}{4}$ " ID hose leg as shown in figure 2.
5. Shorten by cutting 3- $\frac{1}{4}$ " from  $\frac{5}{8}$ " ID hose leg as shown in figure 2.



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6. Install  $\frac{3}{4}$ " to  $\frac{5}{8}$ " modified reducing heater hose elbows (Item 2) to each  $\frac{3}{4}$ " nipple on the heater unit. Orientate  $\frac{5}{8}$ " hose legs downward as shown in Figure 4. Secure using No. 10 hose clamps at each location.
7. Mount heater unit to bracket located on LH cab side frame. Secure using (2) No.10 x  $\frac{5}{8}$ " long flange bolts, (2) No. 10 flat washers and (2) No. 10 nylock nuts. See Figure 3.
8. Install (1) H-valve (Item 4) as shown in figures 1, 4 and 8, onto both reducing heater hose elbows. **Orientation is important!** Secure using (2) No. 10 hose clamp.
9. Remove (2) 1.375" knockouts located on the LH cab frame bracket and install (2) 1.375" grommets (Item 3) into cab panel as shown in Figures 3 & 4.
10. From the bottom of the cab, route (1) piece of  $\frac{5}{8}$ " heater hose, 48" long through the inner grommet/hole and secure to inner nipple of H-valve. Secure using No. 10 hose clamp.
11. From the bottom of the cab, route (1) piece of  $\frac{5}{8}$ " heater hose, 44" long through the outer grommet/hole and secure to outer H-valve nipple using (1) No. 10 hose clamp.
12. Route both hoses along front cab mount tube, to RH side of engine and up to thermostat location.

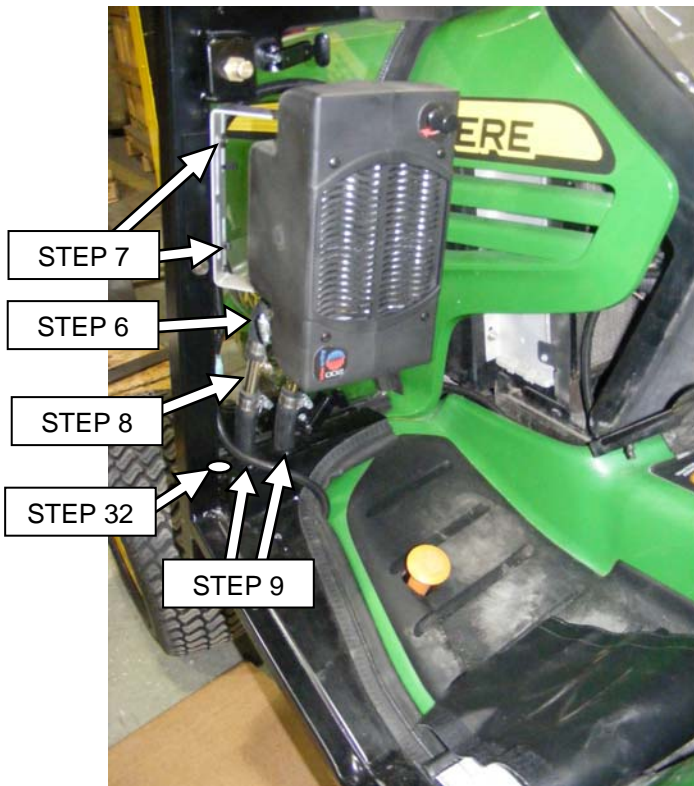


Figure 3

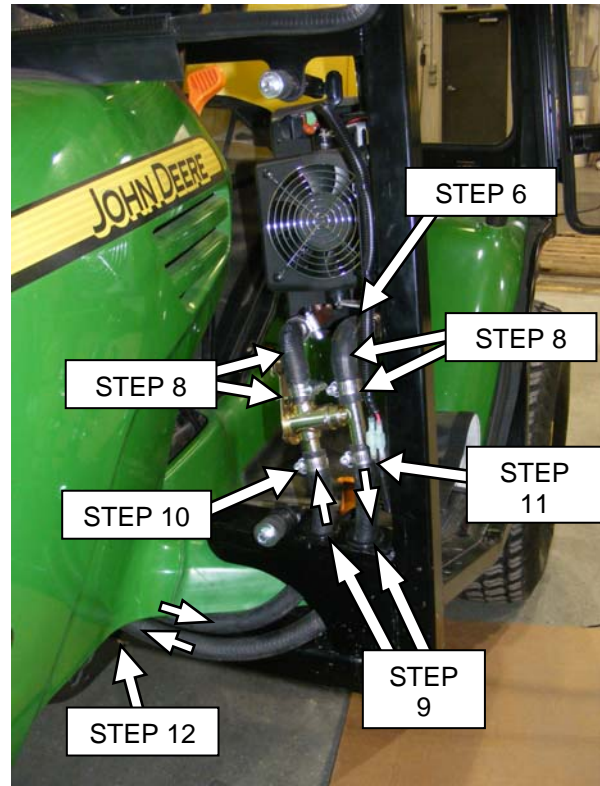


Figure 4

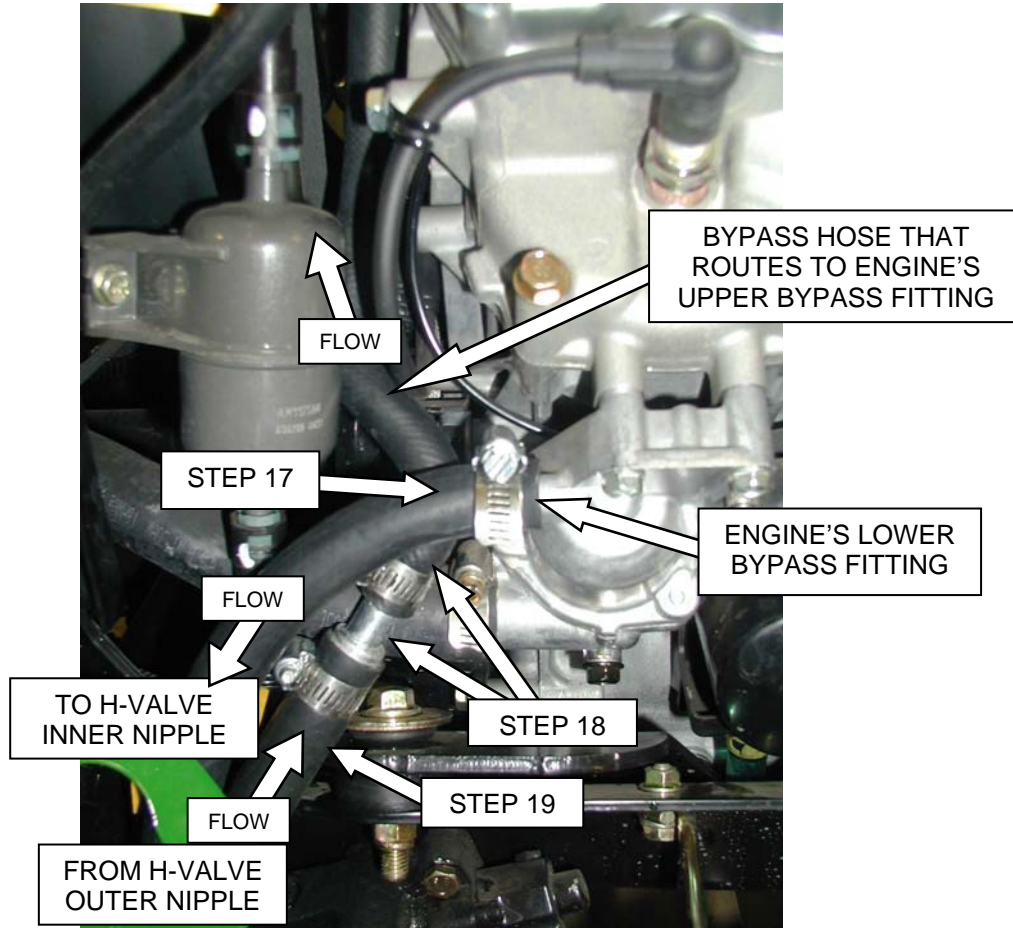
**FOR GAS ENGINES ONLY, follow steps 13-19 and refer to Figure 5;  
(For Diesel engines skip to step 20)**

13. Shorten by cutting the  $\frac{5}{8}$ " ID x 48" heater hose from the H-valve inner nipple in step 10, to 10" long (**Gas models only!**).
14. Connect  $\frac{1}{2}$ " ID x 36.00" long heater hose (Item 9) to the shortened 10" heater hose from step 13, using (1)  $\frac{1}{2}$ " x  $\frac{5}{8}$ " hose reducer fitting (Item 8) and (2) No. 10 hose clamp.
15. Locate the  $\frac{1}{2}$ " bypass hose that is located behind the engine's thermostat area. See figure 5.
16. Disconnect the lower end of  $\frac{1}{2}$ " bypass hose from the engine's bypass nipple. Loosen other end of  $\frac{1}{2}$ " bypass hose and rotate hose slightly to allow connection in steps to follow.
17. Connect remaining end of the  $\frac{1}{2}$ " ID x 36" long heater hose to the engine's lower bypass nipple from step 16. Secure using a No. 10 hose clamp. This will be the heat source hose from the engine to the H-valve (and to the heater). See figure 5.
18. Install a  $\frac{1}{2}$ " x  $\frac{5}{8}$ " hose reducer fitting (Item 8) to the end of the bypass hose from Step 16. Secure using a No. 10 hose clamp. Tighten both clamps.

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## MOUNTING INSTRUCTIONS

19. Connect 5/8" x 44" long heater hose from the remaining H-Valve outer nipple, to the bypass hose and reducer fitting from step 18. Secure using a No. 10 hose clamp. This hose will be the return route from the H-valve (and the heater) to the engine.



**Figure 5**  
**(Gas model shown)**

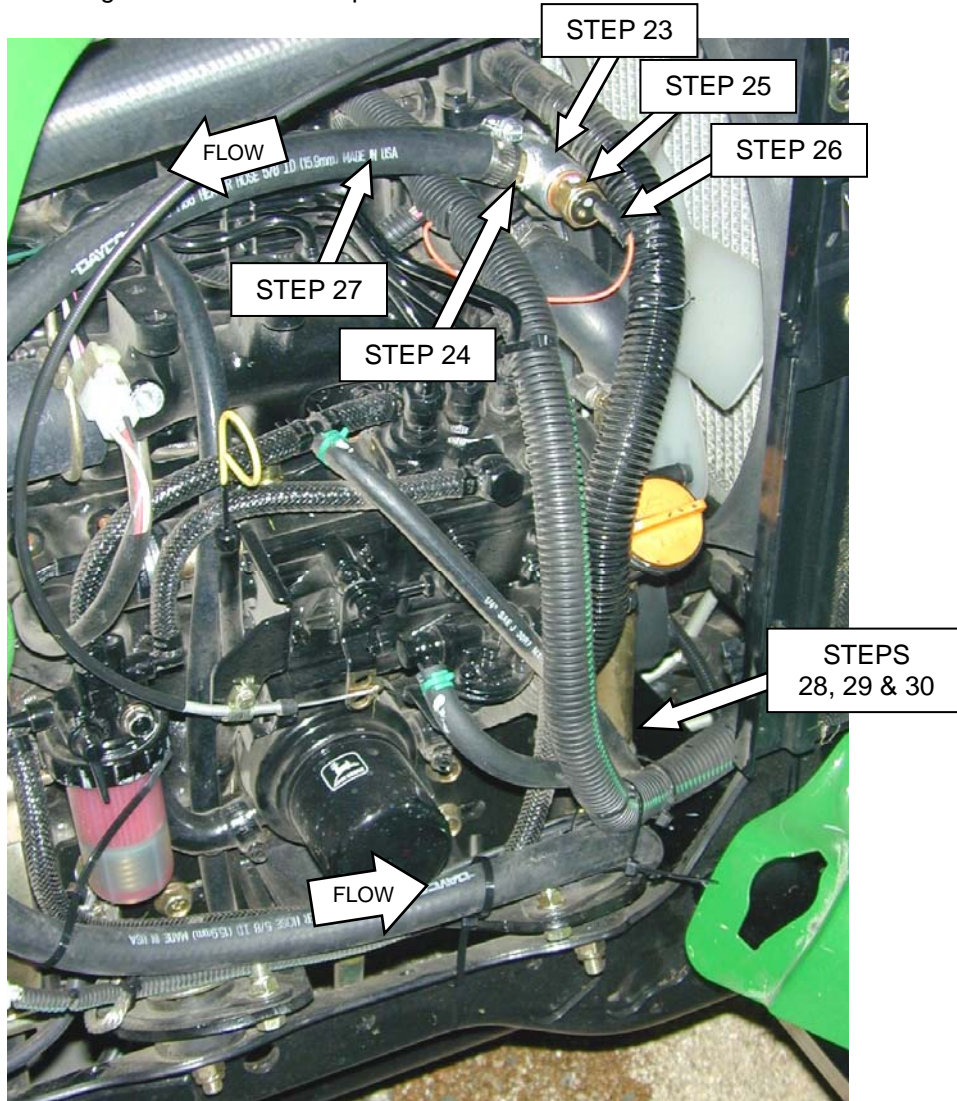
**For Diesel Engines, follow steps 20-28 and refer to Figure 6 (For gas models, skip to step 31);**  
Use pipe seal thread tape or liquid pipe seal compound on all threaded fittings.

20. Determine if an open coolant port is available, if one is not go to step 22.
21. If open port is available, remove plug and install (1) 5/8" brass hose nipple with 16mm thread (Item 15). Skip to step 22.
22. Unplug the temperature sensor and remove the sensor from the thermostat housing. Set the sensor and seal washer aside for reinstallation.
23. Install the aluminum fitting (Item 13) into the thermostat housing with the rubber O-ring washer (Item 14). **Do not over-tighten!** When the O-ring washer seats, orientate the fitting so that the side port is accessible.
24. Install (1) 5/8" brass hose nipple with 3/8" NPT (Item 12) into the side port of the aluminum fitting (Item 13).
25. Reinstall the temperature sensor into the end port of the aluminum fitting.
26. Re-connect the sensor wire to sensor.
27. Route 5/8" x 48" long heater hose from the H-valve inner nipple to the 5/8" brass hose nipple, installed in step 21 or 24. Secure using a No. 10 hose clamp.
28. Locate and remove 1/2" section out of the lower radiator hose for Y-fitting installation (Item 10).
29. Install (1) Y-fitting (Item 10) into the lower radiator hose and secure using (2) large hose clamps (Item 11). **Make sure the Y-fitting is orientated correctly!** Refer to figure 1.



### MOUNTING INSTRUCTIONS

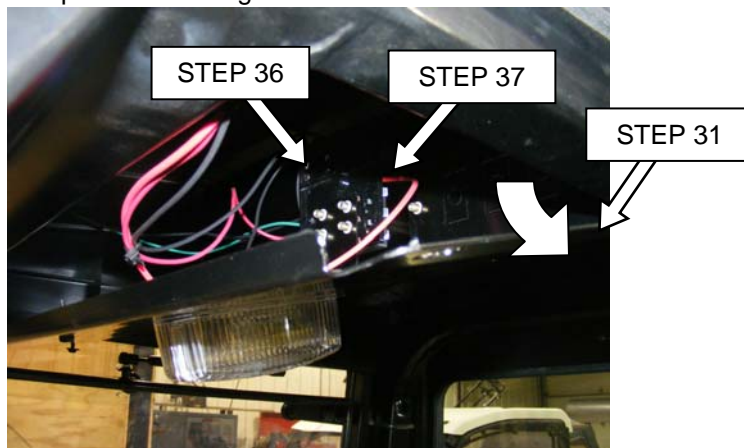
30. Route the 5/8" x 44" long heater hose from H-valve outer nipple to the 5/8" Y-fitting nipple (Item 10). Secure using a No. 10 hose clamp.



**Figure 6**

**Electrical connections; (Diesel model, no open port shown)**

31. Remove (2) front bolts and loosen (2) rear bolts that secure the overhead switch panel to the cab. Allow switch panel to tip down. See figure 7.



**Figure 7**

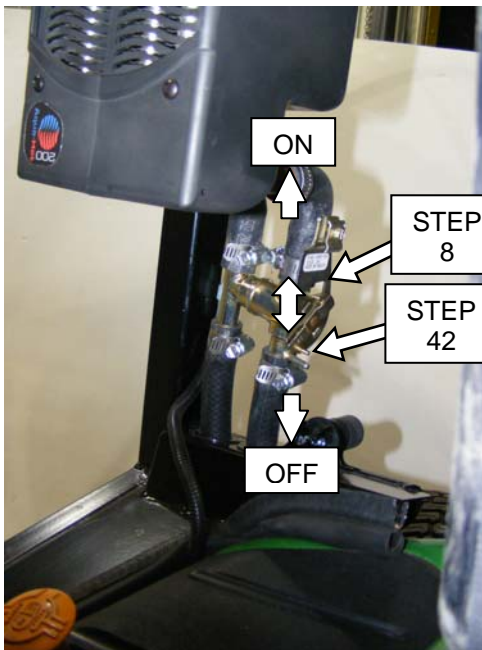
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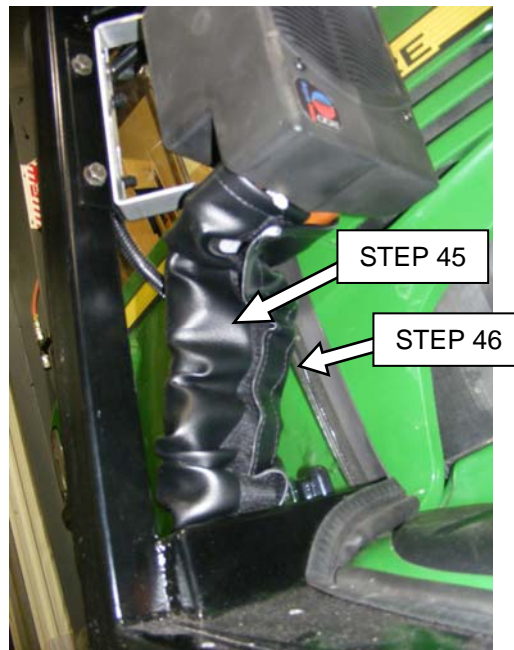
32. Place 7 foot of wire loom (Item 23) over both 8 foot long red (Item 19) and black (Item 20) wires, exposing 6" of wires on both ends of loom.
33. Using blue butt splice connectors (Item 22), crimp/connect red wire to red wire and black wire to black wire from the heater unit.
34. Remove 5/8" knockout from LH cab frame bracket as shown in figure 3. From inside of cab, route red and black wires with loom out 5/8" hole and up the inside LH cab frame tube to overhead switch panel fuse block location.
35. Remove fuse access cover from overhead switch panel.
36. Using a 1/4" female blade terminal connector, crimp and connect black wire to a fuse block grounding terminal. Trim excess wire. See figure 7.
37. Using a 1/4" female blade terminal connector, crimp and connect red wire to an empty fuse block terminal. Trim excess wire. See figure 7.
38. Locate the empty fuse terminal location selected in step 37. Install 2 amp fuse into location.

### Completing Installation;

39. Re-fill the radiator.
40. Start tractor and allow engine to run at lo idle and warm up.
41. Turn heater switch on and off to verify proper fan operation.
42. Activate the H-valve by rotating the lever up and down, several times. See figure 8.



**Figure 8**



**Figure 9**

43. Shut off engine and check coolant.
44. If heat does not emit from heater, repeat steps 40-43, until air is properly purged from system.
45. Secure loose hoses and install protective heater hose cover fabric (Item 26) to cover heater hoses. See figure 9.
46. Cut the protective heater hose cover to allow access to the H-valve lever. See Figures 8 & 9.
47. Secure any loose wires or hoses with nylon ties (Item 25).
48. Re-install switch panel and fuse access cover.

Note: H-valve lever should be in the "OFF" position when heat is not needed. If switch panel is wired correctly, the heater fan should turn off when ignition key is turned off.

Manufactured by:



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