

MOUNTING INSTRUCTIONS



A-11923

HEATER KIT FOR JD X MY11 CABS

12VDC, 2-Speed, 15k

Note: This kit requires a minimum current draw of 7 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 a 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	A-11923	HEATER KIT, RED-DOT
ALL MODELS	2	1	4-15649	HEATER ASSEMBLY WITH MOUNT BRACKET
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	1	3-11172	HEATER HOSE, 5/8" X 48 INCHES LONG
GAS MODELS	7	2	3-16693	REDUCER FITTING, 5/8" TO 1/2"
GAS MODELS	8	1	3-14214	HEATER HOSE, 1/2" X 36 INCHES LONG
DIESEL MODELS	9	1	3-18369	HEATER Y-FITTING 1.00"
ALL MODELS	10	8	3-10858	HOSE CLAMP, No. 10
DIESEL MODELS	11	2	3-13442	HOSE CLAMP, LARGE
DIESEL MODELS	12	1	3-12119	FITTING, 3/8" NPT TO 5/8" HOSE BARB
DIESEL MODELS	13	1	3-16264	ALUMINUM FITTING
DIESEL MODELS	14	1	3-16823	O-RING
DIESEL MODELS	15	1	3-18342	FITTING, WITH WASHER, JD #M139144
ALL MODELS	16	8 FT	3-10364	WIRE, RED, 14 GA
ALL MODELS	17	8 FT	3-10345	WIRE, BLACK, 14 GA
ALL MODELS	18	2	3-10670	.25 FEMALE CONNECTOR
ALL MODELS	19	7 FT	3-10704	WIRE DUCT
ALL MODELS	20	12	3-16629	NYLON TIE, BLACK
ALL MODELS	22	1	3-16057	FUSE, 10 AMP BLADE TYPE
ALL MODELS	25	1	3-19155	PROTECTIVE HOSE SLEEVE
ALL MODELS	26	1	3-18805	FOAM SEAL, PSA, 1 x 1 x 54" LG
DIESEL MODELS	27	1	3-20137	HEATER Y-FITTING 1.12"

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- Route both hoses along front cab mount tube, to RH side of engine and up to thermostat location.

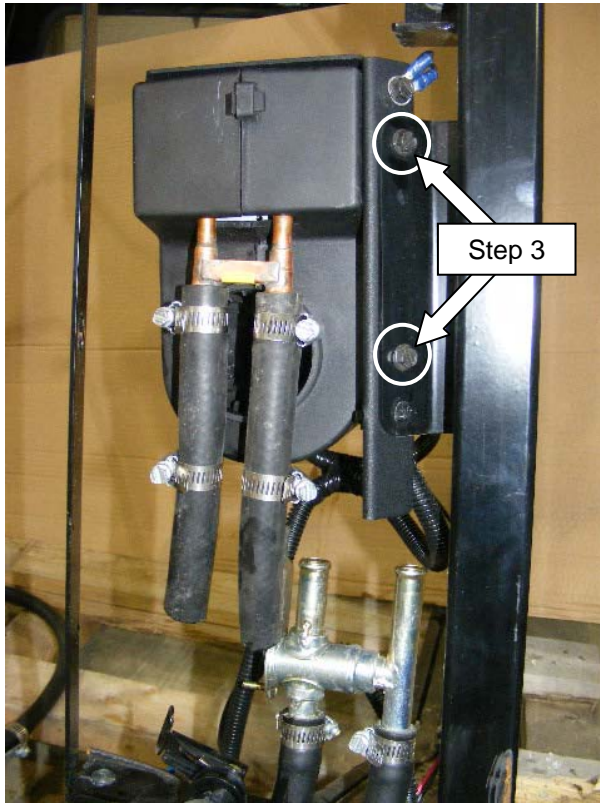


Figure 2

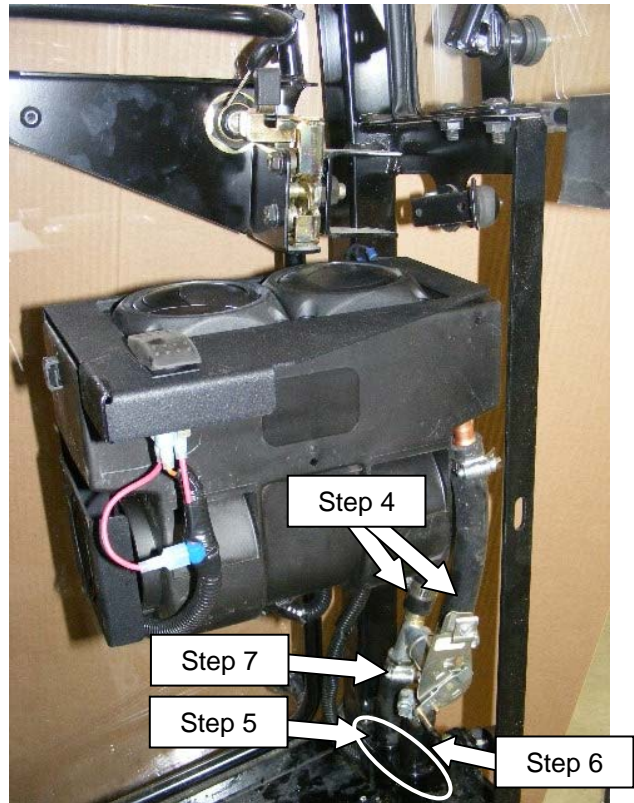


Figure 3

FOR GAS ENGINES ONLY (Figure 4), follow steps 9-15 (For Diesel engines skip to step 16);

- Shorten by cutting the 5/8" ID x 48" heater hose from the H-valve inner nipple in step 6, to 10" long (**Gas models only!**).
- Connect 1/2" ID x 36.00" long heater hose (8) to the shortened 10" heater hose from step 9, using one 1/2" x 5/8" hose reducer fitting (7) and two No. 10 hose clamps (10).
- Locate the 1/2" bypass hose that is located behind the engine's thermostat area (**Figure 4**).
- Disconnect the lower end of 1/2" bypass hose from the engine's bypass nipple. Loosen other end of 1/2" bypass hose and rotate hose slightly to allow connection in steps to follow.
- Connect remaining end of the 1/2" ID x 36" long heater hose (8) to the engine's upper bypass nipple from step 12. 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) (**Figure 4**).
- Install a 1/2" x 5/8" hose reducer fitting (8) to the end of the bypass hose from Step 12. Secure using a No. 10 hose clamp (10). Tighten both clamps (**Figure 4**).
- Connect 5/8" x 44" long heater hose from the remaining H-Valve outer nipple, to the bypass hose and reducer fitting from step 12. 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 4**).

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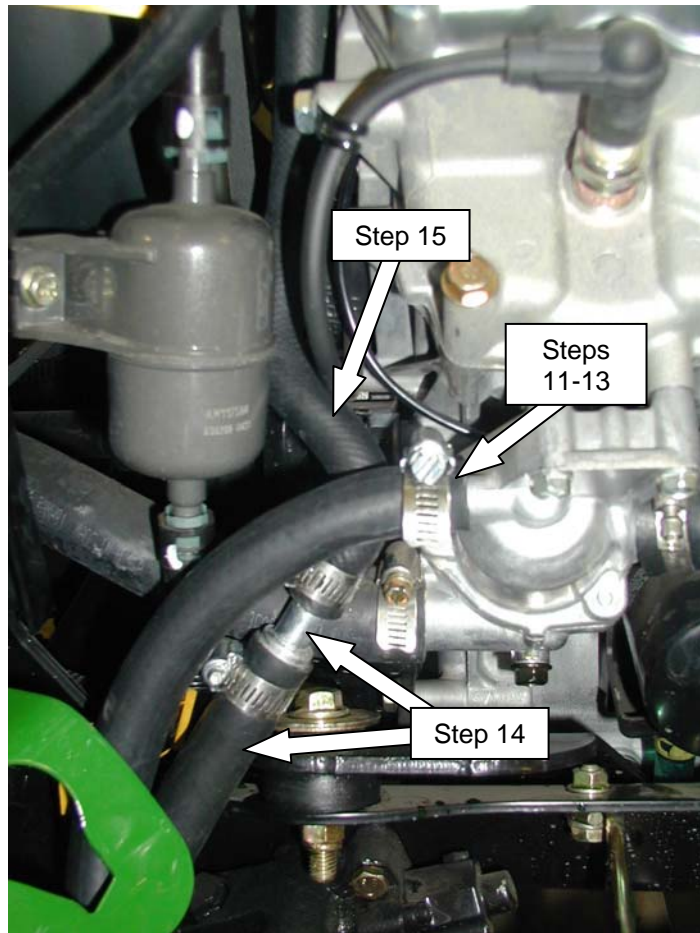


Figure 4
(Gas model shown)

For Diesel Engines, follow steps 16-26 (For gas models, skip to step 27);

Use pipe seal thread tape or liquid pipe seal compound on all threaded fittings.

16. **If a spare coolant port is available from under the thermostat area**, remove port plug and install (1) 5/8" brass hose nipple with 16mm thread (15). **Skip to step 24.**
17. **If a spare coolant port is not available from under the thermostat area**, locate temperature sensor (Figure 5).
18. Unplug the temperature sensor wire and remove the sensor and seal from the thermostat area. Set a side for reinstallation in step 21 (Figure 5).
19. Install the aluminum fitting (13) into the thermostat housing with the rubber O-ring washer (14). **Do not over-tighten!** When the O-ring washer seats, orientate the fitting so that the side port is accessible (Figure 5).
20. Using thread seal tape, install the 5/8" brass hose nipple with 3/8" NPT (12) into the side port of the aluminum fitting (13) (Figure 5).
21. Reinstall the temperature sensor into the end port of the aluminum fitting (13) (Figure 5).
22. Re-connect the sensor wire to sensor (Figure 5).
23. Route 5/8" x 48" long heater hose (6) from the H-valve inner nipple to the either hose nipple, installed in step 16 or 20. Secure using a No. 10 hose clamp (10) (Figure 5).
24. Locate and remove 1/2" section out of the lower radiator hose for Y-fitting installation (9) (Figure 5).
25. Install Y-fitting (9 or 27) into the lower radiator hose and secure using two large hose clamps (11). **Make sure the Y-fitting is orientated correctly! (Figures 1 and 5).**

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26. Route the 5/8" x 44" long heater hose (5) from H-valve outer nipple to the 5/8" Y-fitting nipple (9). Insert hose onto nipple and secure using a No. 10 hose clamp (10) (**Figure 5**).

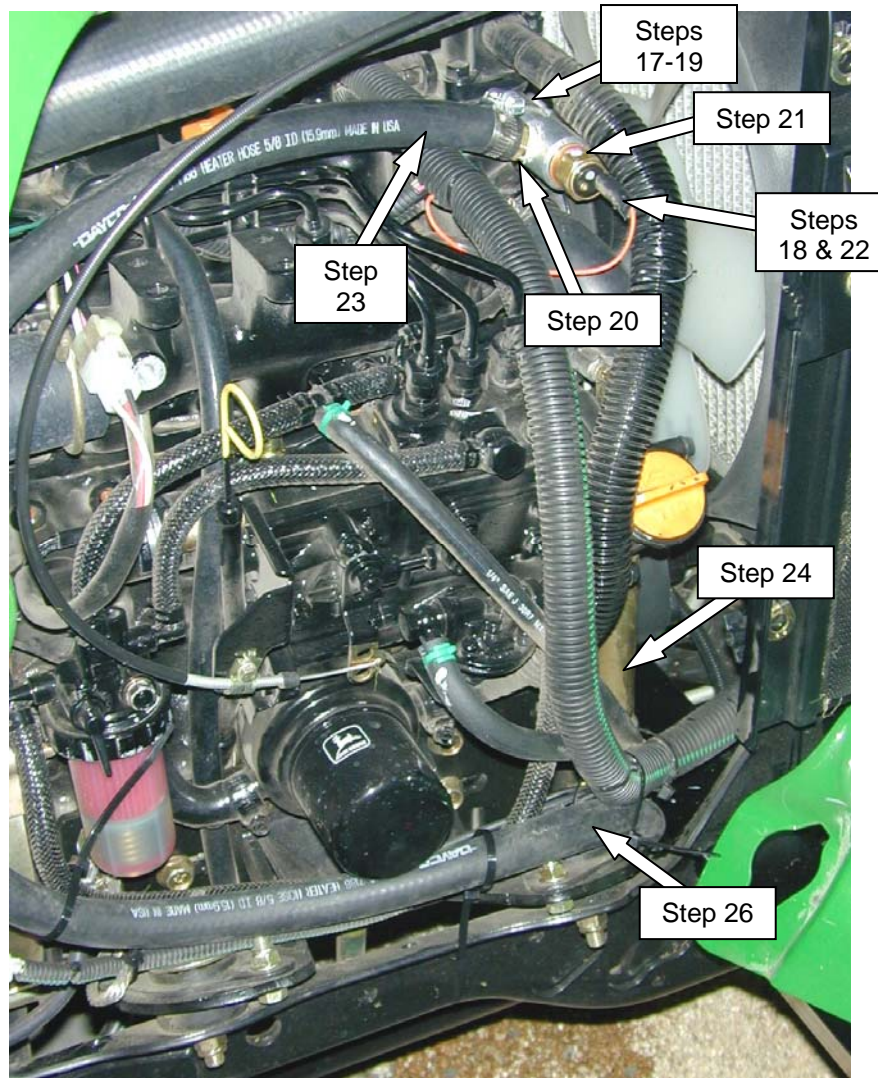


Figure 5
(Diesel model shown, without open port available)

Electrical connections;

27. Remove two front bolts and loosen two rear bolts that secure the overhead switch panel to the cab. Allow switch panel to tip down (**Figure 6**).



Figure 6

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28. Place 7 foot of wire loom, supplied with heater assembly over both 8 foot long red and black wires, exposing 6" of wires from both ends of loom.
29. Using blue butt splice connectors, crimp/connect red wire to red wire and black wire to black wire from the heater unit.
30. Remove 5/8" knockout from LH cab frame bracket (**Figure 7**). 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 (**Figure 6**).
31. Remove fuse access cover from overhead switch panel.
32. Using a 1/4" female blade terminal connector, crimp and connect black wire to a fuse block grounding terminal. Trim excess wire.
33. Using a 1/4" female blade terminal connector, crimp and connect red wire to an empty fuse block terminal. Trim excess wire.
34. Install 10 amp fuse (19) into location selected in Step 33 .

Completing Installation;

35. Re-fill the radiator.
36. Start tractor and allow engine to run at LO idle and warm up.
37. Turn heater switch on and off to verify proper fan operation.
38. Activate the H-valve by rotating the lever up and down, several times.
39. Shut off engine and check coolant.
40. If heat does not emit from heater, repeat steps 35-39, until air is properly purged from system.
41. Install protective heater hose cover fabric (18) to cover heater hoses at the valve location (**Figure 7**).
42. Cut the protective heater hose cover to allow access to the H-valve lever (**Figure 7**).
43. Apply 1 x 1 foam seal, 46" long to inside surface of hood panel, following the end profile of hood, as shown in **Figure 8**.

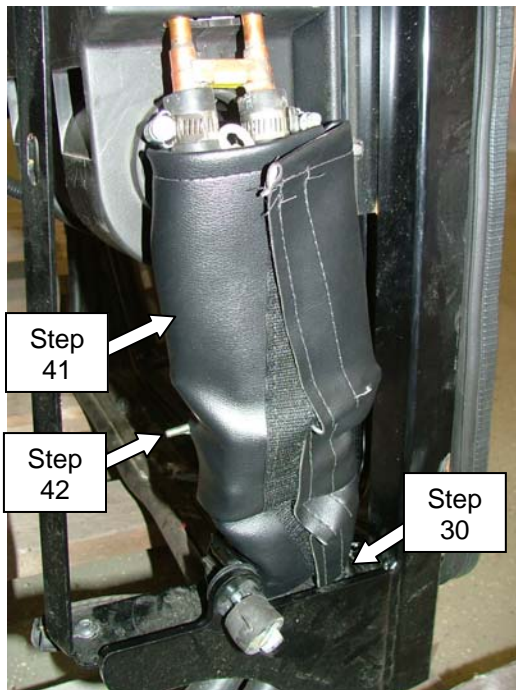


Figure 7

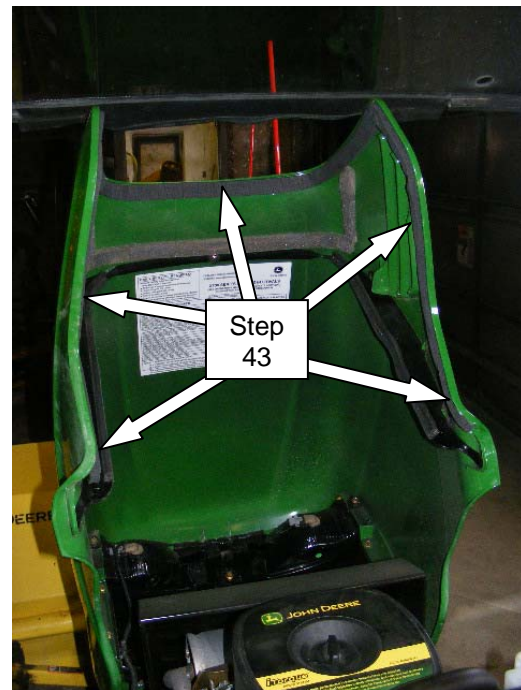


Figure 8

44. Secure any loose wires or hoses with nylon ties. **Do not secure to high pressure fuel lines, hot or moving components!**
45. Re-install overhead panel and fuse access cover.

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

Manufactured by:



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