



*Helping you put quality into play.™*

## **INSTALLATION INSTRUCTIONS**

# **CAB HEATER KIT**

**For Workman Liquid Cooled Vehicles**

**94-5510 Gas  
94-5511 Diesel**



- a. Attach the fused power assembly wire to terminal "B" on the heater switch.
- b. Attach the yellow wire from the heater to the "L" terminal on the heater switch.
- c. Attach the red wire from the heater to the "M" terminal on the heater switch.
- d. Attach the orange wire from the heater to the "H" terminal on the heater switch.
- e. Slide two hose clamps over the two flexible hoses coming from the heater unit. Connect the (2) 2 1/2 inch hoses to the louver panel. Apply (2) 2 1/2 inch hose clamps.
- f. Connect the relay to the red colored lead coming from the vehicle's fuse block. See figure #3. If additional leads are needed, order an accessory fuse block from Toro Company, Toro #92-2641.
- g. Vertically and horizontally center the louver/switch panel over the right side dash opening. Match drill (4) 5/32 inch holes into the dash. Attach the panel with (4) #10 x 5/8 inch self tapping screws. (see photograph 3a)

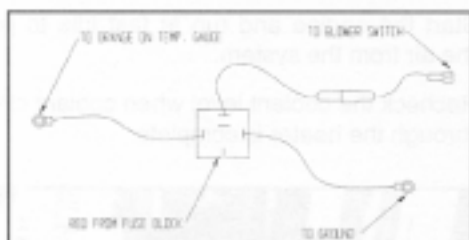
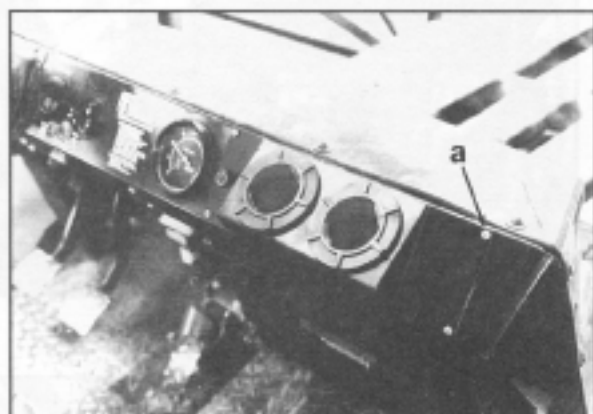


Figure 3

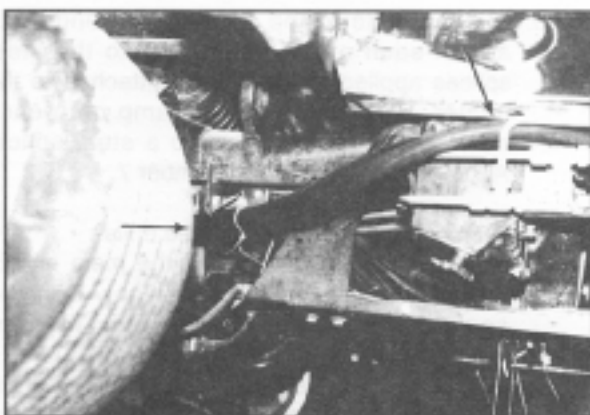


Photograph 3

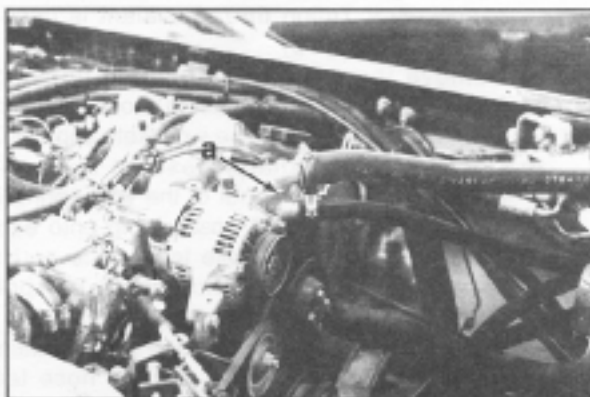
- h. Attach the yellow wire from the relay to the post with an orange wire on the temperature gauge in the dash.
  - i. Attach the black wire from the relay to the center ground post on the temperature gauge.
  - j. Secure the relay to the machine with #8 x 1/2 screw and nut.
5. Engine hookup for the gas powered Workman. (for the diesel powered Workman, proceed to step number 6)
- a. Remove the 1/2 inch coolant bypass hose from the thermostat housing and from the lower



Photograph 4



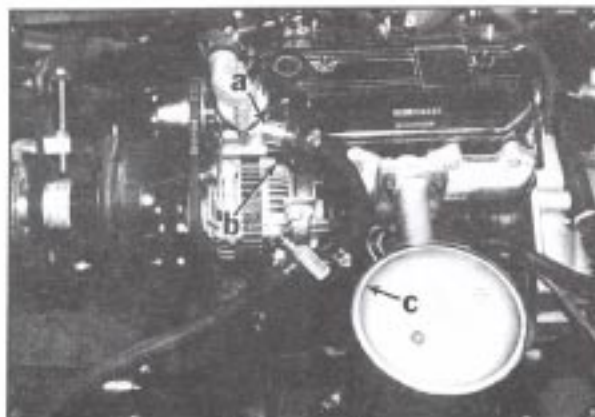
Photograph 5



Photograph 6

- radiator hose fitting.
- b. Route both ends of the 5/8 inch heater hose through the grommets installed in the lower front of the seat deck on 2WD units, steering gear cover on 4WD units. Route the hoses rearward, following the power steering hydraulic lines along the left side of the vehicle chassis. (see photographs 4 & 5) Slide a #10 hose clamp onto each hose. Connect one hose to the thermostat housing fitting and the other hose to the lower radiator hose fitting. Apply clamps. (see photograph 6)
- c. Use the nylon wire ties provided to secure the hoses and prevent contact with any hot or moving parts.



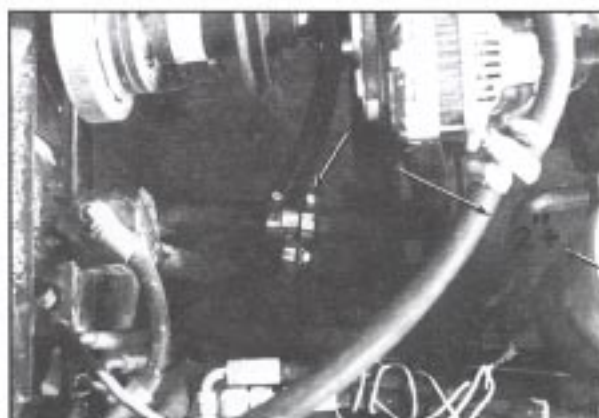


Photograph 7

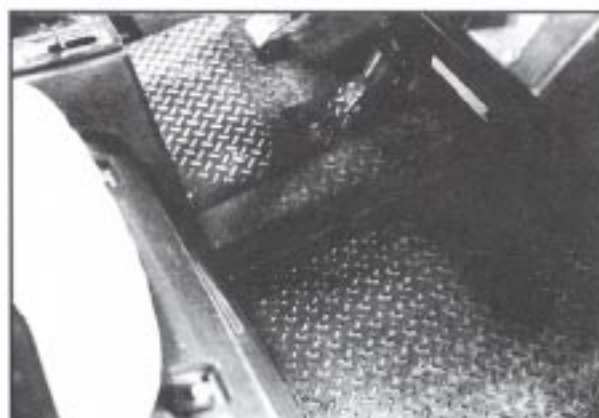
- d. Cut the hose to the appropriate lengths to attach each of the hose ends to the steel splices applied to the elbows attached to the heater. Slide a #10 hose clamp onto each hose, slide each hose onto a steel splice. Apply clamps. Go to step number 7.
6. Engine hookup for Diesel powered units.
  - a. Slide the rubber o-ring onto the male end of the aluminum adapter fitting. Apply a thread sealant and screw the fitting into the new thermostat housing. (see photograph 7a)
  - b. Apply thread sealant to a hose adaptor fitting and screw into the aluminum fitting. Tighten both fittings. (exercise caution when tightening, especially if Teflon thread sealant is used.) (see photograph 7b)
  - c. Remove the existing thermostat housing. Replace with the new housing provided. (Toro part #67-4450) Use the new gaskets supplied.
  - d. Cut the lower radiator hose as shown in photograph 8. Cut 3" out of the wire spring in the hose. Slide a #16 hose clamp onto each hose end, insert the hose tee so the port is oriented as shown in photograph 8. Apply clamps.
  - e. Apply thread sealant to a hose adapter fitting and screw into the lower radiator hose tee. Tighten the fitting. (exercise caution when tightening, especially if Teflon thread sealant is used.)
  - f. Route both ends of the 5/8 inch heater hose through the grommets installed in the lower front of the seat deck. Route the hoses rearward, following the power steering hydraulic lines along the left side of the vehicle chassis. (see photographs 4 & 5) Slide a #10 hose clamp onto each hose. Connect one hose to the nipple on the thermostat housing fitting and the other hose to the nipple on the lower radiator hose fitting. Apply clamps. (see photographs 7 & 8)
  - g. Cut the heater hose 12 inches from the thermostat housing, slide a #10 hose clamp over each hose end, apply the hose ends to

the shut off valve. Orient the valve as shown in photograph 7c. Apply clamps.

- h. Use the nylon wire ties provided to secure the hoses and prevent contact with any hot or moving parts. Route the heater hose so there is at least two inches clearance between the heater and the muffler. (see photograph 8)
- i. Cut the hose to the appropriate lengths to attach each of the hose ends to the steel splices applied to the elbows attached to the heater. Slide a #10 hose clamp onto each hose, slide each hose onto a steel splice. Apply clamps. (see photograph 2e)
7. Install the heater hose floor cover.
  - a. Place the heater hose cover on the floor deck over the heater hose as shown in photograph 9. Match drill (2) 11/32 inch holes into the floor.
  - b. Attach the hose cover to the floor with (2) 5/16 inch x 3/4 inch screws, (4) flat washers, (2) lock washers, and (2) 5/16 inch nuts.
8. Refill the cooling system.
9. Start the engine and run at fast idle to purge all the air from the system.
10. Recheck the coolant level when coolant circulation through the heater is complete.



Photograph 8



Photograph 9