

NHTSA 21V557 Refrigerator Roof Vent inspection/ Installation 99.01.06 T.C. 2021-456

1. Inspect for missing roof vent. Missing vent - Vent installed -



2. If vent is installed, remove top cover by removing 4 screws one in each corner,



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3. Inspect to ensure interior and exterior panels have been routed. If panels have been routed re-install cover and submit claim for inspect only. (properly routed vent opening)

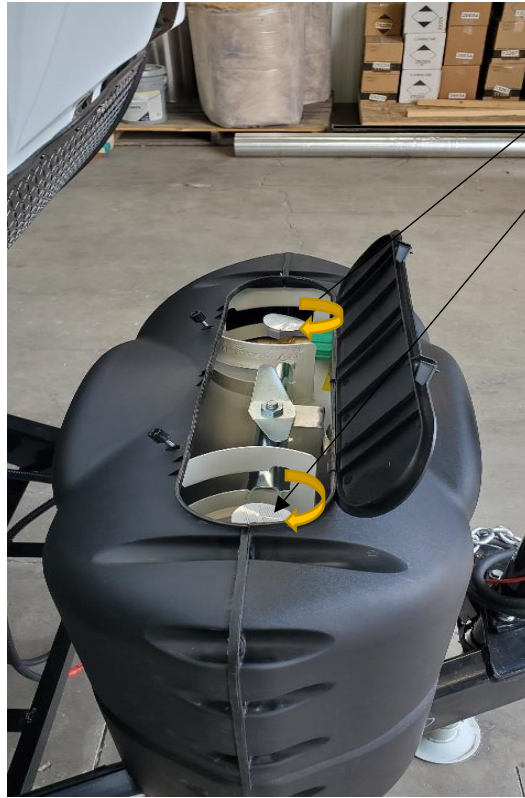


4. If vent is missing or vent hasn't been properly routed follow vent installation instructions below. (Vent not properly routed)



Refrigerator Roof Vent Installation Instructions

1. Remove top cover from LP tanks. Turn LP tanks off by turning handle clockwise.



2. Remove cover from lower refrigerator sidewall vent by twisting locks so that the slots are in the vertical position.



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3. Disconnect LP line from refrigerator using a 3/4" wrench for the LP line and a 5/8" wrench for a backup wrench.

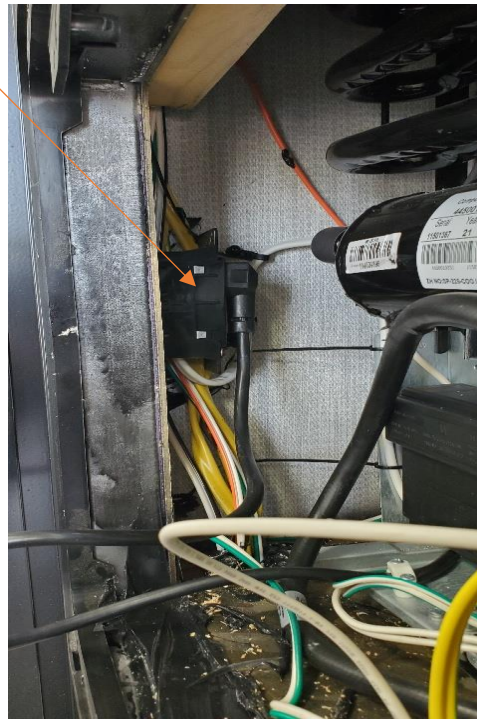


4. Using a flat head screwdriver, disconnect 12v power supply. Tape or wire nut ends of wires to prevent from shorting.



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5. Disconnect 120v power supply.



6. Using a square head screwdriver bit and screw gun remove screws from refrigerator base.



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7. Go inside unit and remove cover from top of refrigerator by gently applying upward pressure and pulling outward at top edge of trim to access mounting screws. (Remove)



8. Using a square head screwdriver bit and screw gun remove mounting screws.



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9. Place cardboard or similar on floor to protect from damage, remove refrigerator from cabinet and sit in floor allowing yourself room to work around it.
10. Once refrigerator is removed from cabinet locate rout out in ceiling. If interior panel is not routed, measure from side wall 8-10". Push up on ceiling, ceiling will be pliable there. Mark ceiling and rout out.



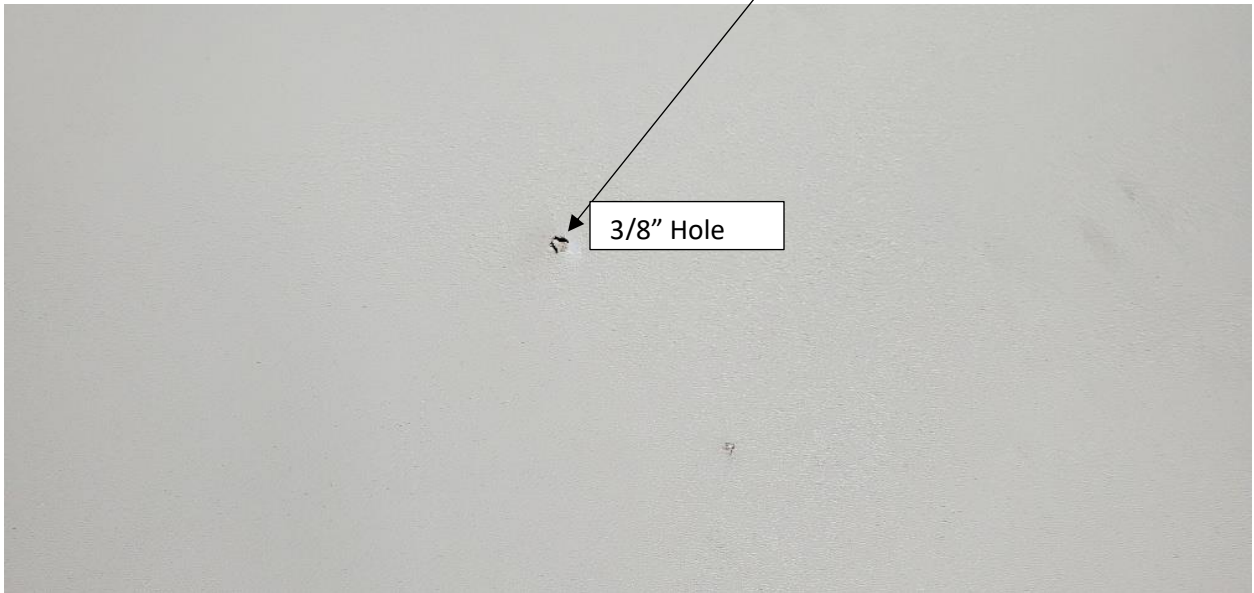
11. Once interior panel has been routed out, drill a 3/8" hole through roof decking from inside out.



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12. Once you have a 3/8" hole from inside out, go outside the unit to the roof. Locate 3/8" hole and rout using a pin router or similar with a new/sharp router bit.



13. Make sure your router bit extends past the base at least 1/2" to ensure it gets all the way through the decking and doesn't slip out. Carefully trace opening with router being cautious not to slip or over rout.

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14. Once opening has been routed, foil tape around the edges to ensure opening is vapor tight.



15. Prep vent using 1/2" by 1/16" butyl tape making sure to cover all screw holes. Be sure to remove wax paper before installing.



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16. Center vent over opening and secure using (16) 1" #8 wood screws. Once you have installed the vent base seal the screws and edge of vent base using self-level sealant.



17. Install cover using four 1-1/2" #10 wood screws. Once you have secured cover fill holes with self-level sealant.



18. Re-install refrigerator, connect LP line, 12v power supply and 120v power supply.
19. Complete a drop pressure test to ensure no LP leaks.
20. Run an operations test on the refrigerator to ensure everything is operating properly.

Material and tools List

1. Self-leveling sealant. Part#10499



2. Butyl tape 1/2" by 1/16" Part# 11073



3. Foil tape. Part# 0371788



Material and tool List

4. 1" #8 wood screws (16)



5. Refrigerator roof vent. Part# 0151804 (base) 0151805 (cap)



6. Router.



Material and tool List

7. 1-1/2" wood screw for vent cover (4)



8. Screw gun
9. Drill
10. 3/8" drill bit
11. 3/4" and 5/8" open end wrench for LP lines
12. Flat head screwdriver for 12v electrical connections.
13. Square head screw gun bit for mounting screws