



GE Appliances

General Electric Company
Appliance Park, Louisville, KY 40225

Service Bulletin

**FREEZER MOISTURE
AND FAN NOISE KIT
WR49X10044**

REF 18-01

OCTOBER 2001

TOP MOUNT 22' EVAPORATOR FAN NOISE AND FREEZER MOISTURE KIT WR49X10044

Models; **ETS22, GTS22, HTS22** and **PTS22**
Serial Range: **FA** through **SA**
Factory Work code in TP note field: **RAAR**
TP quick entry job code: **682**

This kit is designed to resolve two possible conditions in the freezer section of 22 cubic foot top mount no-frost refrigerators: icicles, water droplets or moisture forming on the air tower or ceiling of the freezer and noise from the evaporator fan.

The icicles and water droplets are formed by air bypassing the evaporator coil in combination with higher than required defrost temperatures. The kit contains components designed to seal the bypass paths, forcing all the air through the evaporator, removing the moisture. The kit also contains a new main control board with updated software, reducing the defrost termination temperature from 65° F to 55° F, allowing for less humidity to build up in the freezer during defrost. All components of the kit need to be installed to fix the customer's problem.

The noise from the evaporator fan can be caused by moisture building up in the mounting grommets and brackets of the fan, as well as the fan wiring harness bundled too tightly, causing excessive tension on the fan motor. In addition to the bypass fix and the new board, the kit contains two wire ties that allow the technician to re-bundle the wiring harness with enough slack to allow the fan motor to hang correctly in the housing.

The following pages list the steps necessary to install the WR49X10044 kit correctly.

Installation Instructions

WR49X10044 Kit

Parts Included in Kit:

1. Horizontal tower
2. Vertical tower
3. Two self-adhesive foam strips (1/2" x 1/2" x 4 1/2"), goes on top edge of left and right Styrofoam™ blocks.
4. Two self-adhesive foam strips (1/2" x 1/2" x 6 1/4"), goes on bottom edge of left and right Styrofoam blocks.
5. Air deflector (1 1/2" x 1/4" x 18" foam strip with aluminum wrap), goes between rear of evaporator and liner.
6. Aluminum tape (6" by 2" wide), to hold air deflector in place.
7. Metal bracket assembly (19" metal bracket with foam strip attached), to be screwed to top of left and right evaporator end brackets.
8. Two screws (1/2" long)
9. Foam block (3/4" x 1 1/2" x 3 1/2"), to go at top of left corner of evaporator.
10. Self-adhesive foam strip (1/2" x 1/2" x 25 1/2"), to go on the front surface of the metal bracket.
11. Two plastic wire ties
12. Electronic Main Board
13. Freezer light lens cover
14. Icemaker grille.



DISCONNECT POWER TO THE REFRIGERATOR BEFORE BEGINNING KIT INSTALLATION

Before you begin...

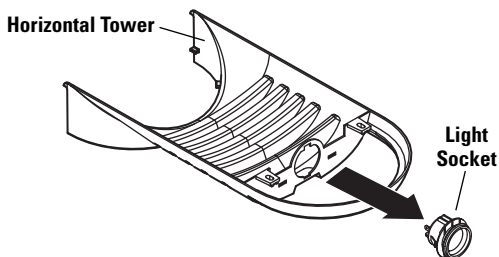
Read these instructions completely and carefully for the correct installation of kit WR49X10044.

1. Remove icemaker or ice tray.
2. Remove light lens.

Note: If unit is equipped with a light bulb, discard translucent lens. Save lens if no light bulb is present.

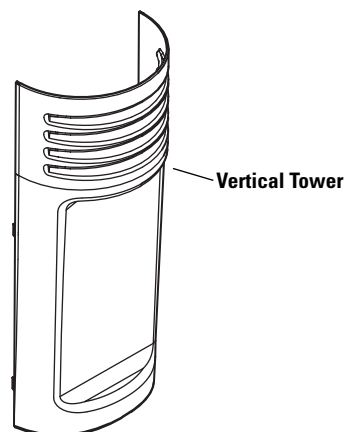


3. Remove horizontal air tower.

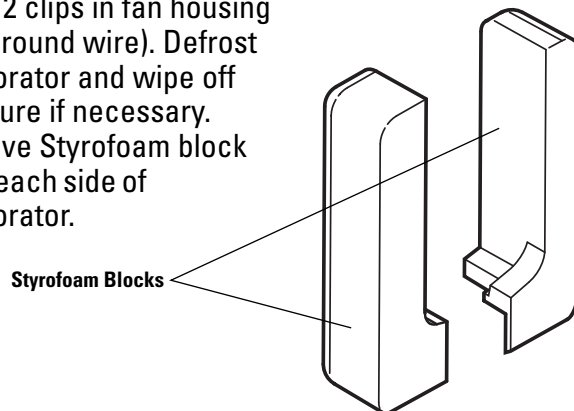


Note: Remove light socket from tower (if applicable) and discard horizontal tower.

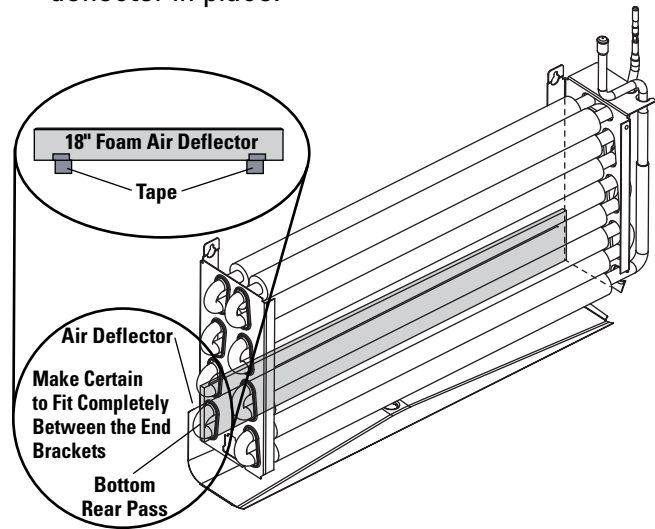
4. Remove and discard vertical air tower.



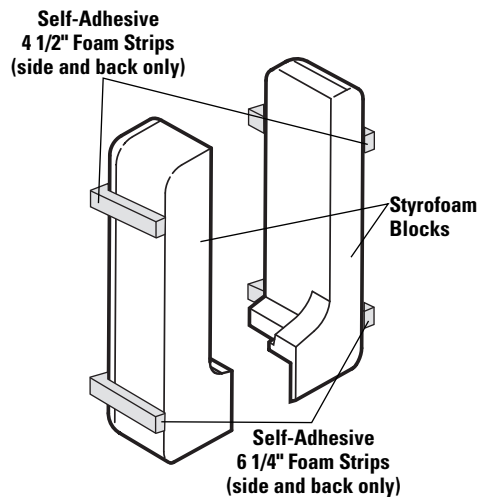
5. Remove louvered icemaker grille in evaporator cover and discard. If equipped with icemaker, remove scoop and discard.
6. Disconnect icemaker receptacle from evaporator cover.
7. Remove evaporator cover (note 2 clips in fan housing and ground wire). Defrost evaporator and wipe off moisture if necessary.
8. Remove Styrofoam block from each side of evaporator.



9. Remove drain hook from drain tube.
10. Remove ground wire from evaporator.
11. Install 18" foam air deflector (from kit) behind bottom rear pass of evaporator. Make certain to fit completely between end brackets and foil side of air deflector is facing evaporator. Use pieces of the 6" aluminum tape supplied in kit to hold air deflector in place.

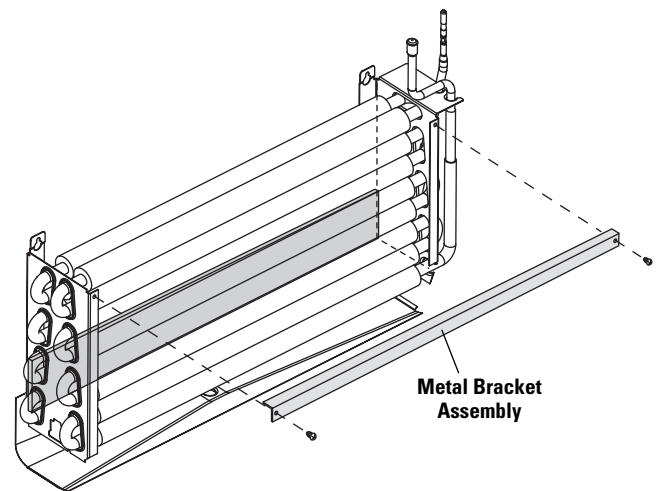


12. Make certain Styrofoam blocks are dry and apply a 4 1/2" foam strip (2 in kit) to the top of each Styrofoam block and a 6 1/4" foam strip (2 in kit) to the bottom of each Styrofoam block as shown in the illustration.

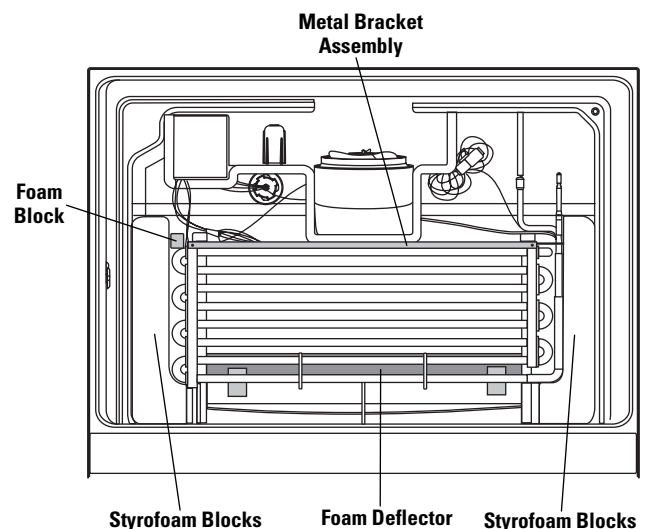
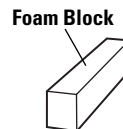


13. Reinstall Styrofoam blocks.
14. Reinstall drain hook.

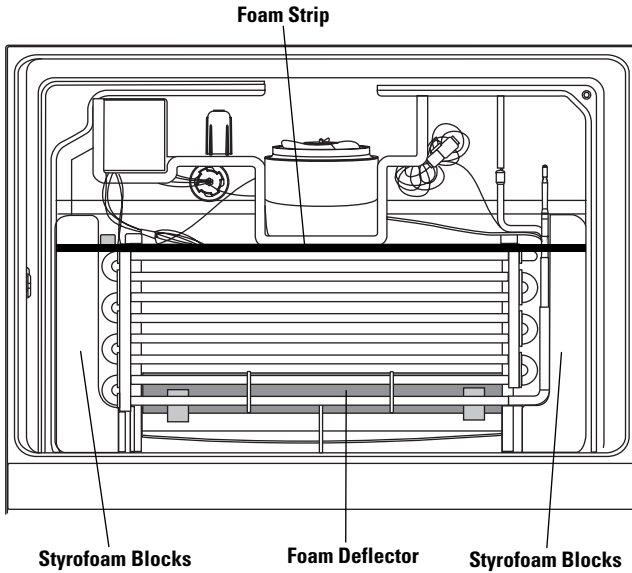
15. Place 19" metal bracket (from kit) at top of evaporator as shown in the illustration and attach evaporator ground wire to metal bracket. Install two 1/2" self-drilling screws (from kit) as shown.



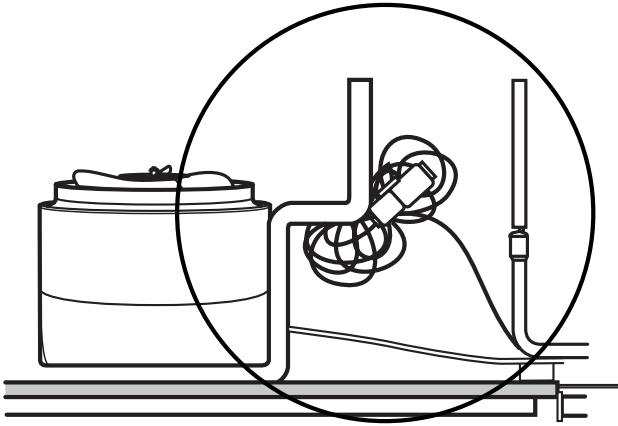
16. Install the 3/4" x 1 1/2" x 3 1/2" foam block (from kit) at left top of evaporator as shown in the illustration.



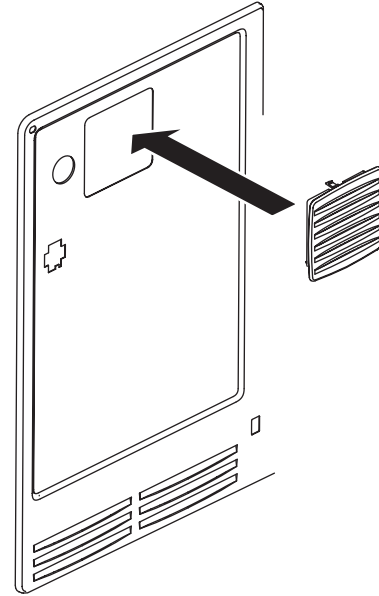
17. Apply the 25 1/2" foam strip (from kit) across end blocks and metal bracket as shown in the illustration.



18. Check the evaporator fan harness. If the harness is tight, cut the existing wire tie and rebundle the harness using the wire ties included to provide slack in the harness as shown in the illustration.



19. Replace evaporator cover, making certain to reattach ground wire.
20. Install new vertical air tower (from kit).
21. Reinstall light socket in new horizontal air tower supplied in kit (if applicable).
22. Install new horizontal air tower (from kit).
23. Reinstall light lens.
Note: If horizontal air tower includes light, install new translucent light lens from kit.
24. Install new louvered icemaker grille (from kit) to replace original grille or scoop. Make certain louvers are facing up as shown in the illustration.



25. Replace main control board with new control board (from kit).
CAUTION: When pulling refrigerator away from the wall, make certain to remain as upright as possible, to maintain the normal curve or arch of the lower back.
26. **Check operation.**