

Hisense RF20N6ASE Electric Wind gate or Damper Replacement Procedure 06/03/2016

Problem: Freezer cools but the refrigerator remains warm.

Cause: The electric wind gate gets stuck in the closed position blocking the airflow from the freezer to the refrigerator.

NOTE: This can be complete without moving the refrigerator and does not require 2 techs.

Solution: Replace the electric wind gate (damper) by follow the procedure outlined below.

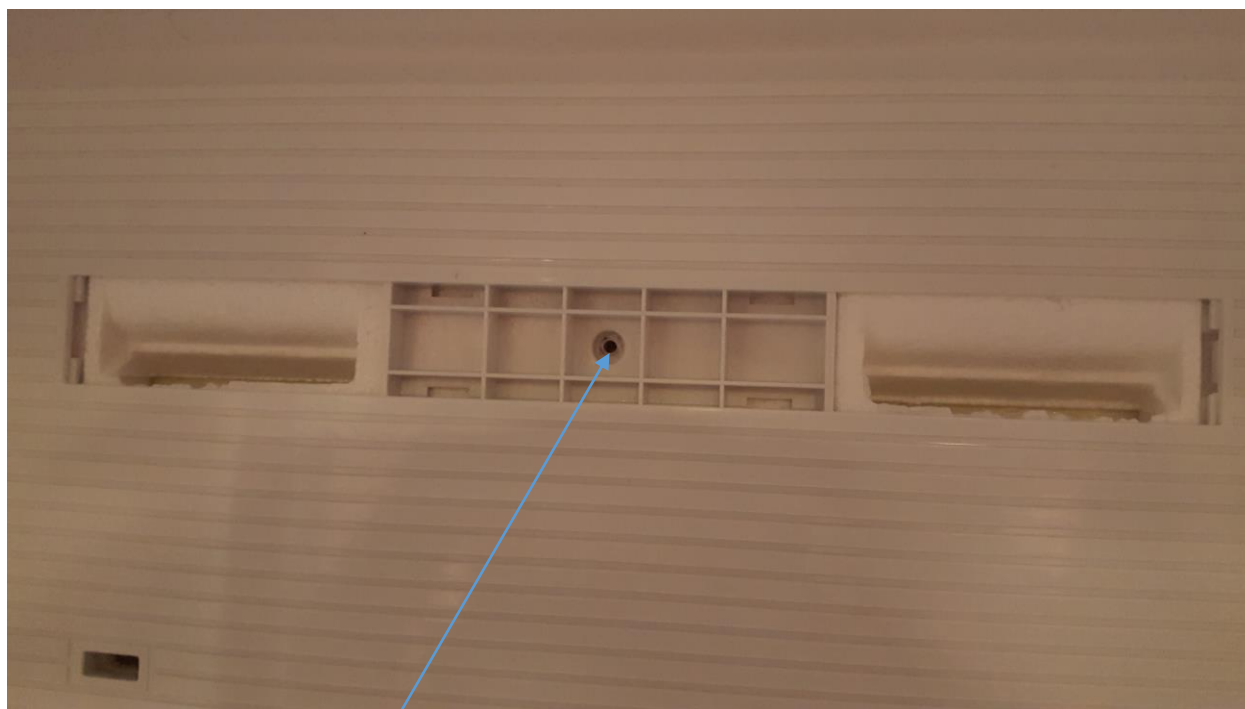


RF20N6ASE

1. Remove all shelving and drawers.



2. Remove the #17 (parts list) decorative strip-drawing Part# 1626059 by carefully prying it off.



3. Remove center screw



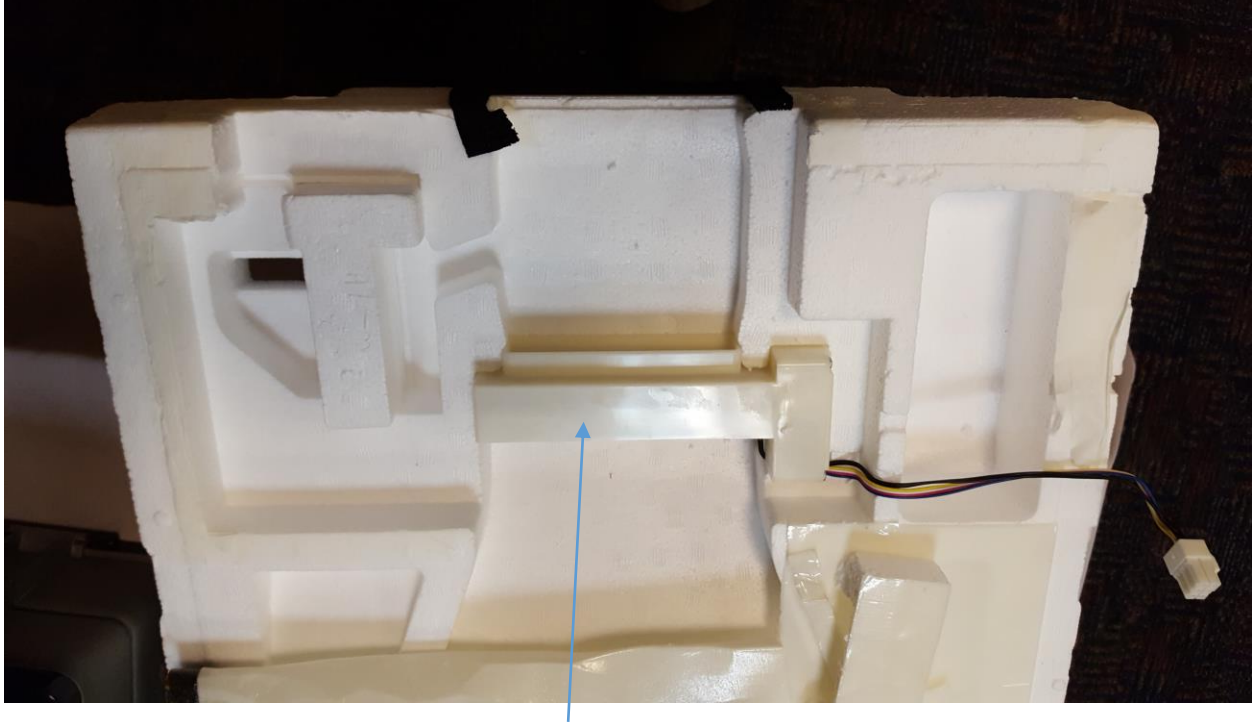
4. Gently remove the refrigerator air duct cover – Part #1539394



5. Disconnect 3 connectors that go to the LED light, Temperature Sensor and Wingate Motor and remove Air Duct cover.



6. Remove the thin insulation tape and plastic cover over the air duct.



7. This view is inside the air duct with Styrofoam cover removed. Replace Wingate motor assembly. You can test that the wind gate motor is functioning by reconnecting the motor and sensor then watching the gate close while the door is open. It will open again after the refrigerator door is closed and you should be able to hear it close. The compressor must be running for the wind gate to close. Reverse the process to reassemble. You can use clear packing tape if the plastic cover should tear while removing it.