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Newmar Corporation
Warranty Department

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Technical Service Bulletin

Date Issued	Model Year(s) Affected	Model(s) Affected	TSB #
10/12/07	2008	MADP / EXDP / KGDB	322

Brand

All	☐	American Star	☐	Mountain Aire	■
		Dutch Star	☐	Kountry Aire	☐
Northern Star	☐	Kountry Star	☐	Essex	■
Scottsdale	☐	King Aire	■	London Aire	☐

Type

All	☐	T T	☐
F W	☐	C A	☐
D P	■	D B	■

☐ Air Conditioning & Heating	■ Electrical Components
■ Appliances & Accessories	☐ Exterior Components
■ Cabinets & Furniture	☐ Interior Components
☐ Chassis Components	☐ Plumbing & Bath Components
☐ Construction Components	☐ Windows, Awnings, Vents, & Doors

Description of Problem

Potential for overheating of the DSS Satellite receiver when it is located in the cabinet above the refrigerator.
Applicable only to floorplans with the satellite receiver located above the refrigerator.

Recommended Solution

Installation or relocation of 12 volt cooling fan and temperature sensor in cabinet to promote improved air flow. See attached print and procedure for specific mounting location details for the fan and temperature sensor. Questions regarding this procedure should be directed to your Newmar Technical Representative.

Procedure A: Installing fan and sensor.
Labor Operation Code: 1500
Labor Repair Time: .5

Procedure B: Relocating fan and securing sensor.
Labor Operation Code:1501
Labor Repair Time: 1.0

If you have any questions regarding this T.S.B., please contact a Warranty Service Representative at Newmar Corporation.

TSB 322: DSS Cooling Fan Installation / Relocation Repair Procedure

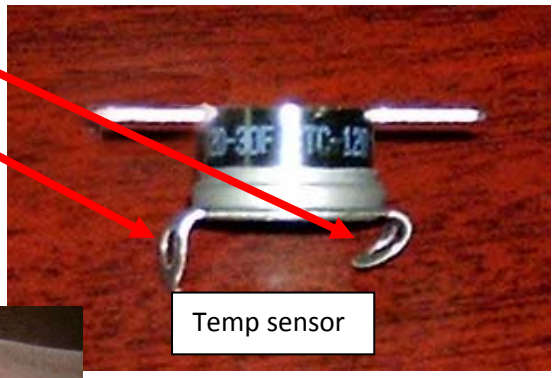
This TSB is applicable to all Newmar High Line units that have the DSS Satellite Receiver(s) located in the cabinet over the refrigerator. The objective of the TSB is to improve air flow in the cabinet to reduce temperatures created by DSS Satellite Receiver(s) operating therein.

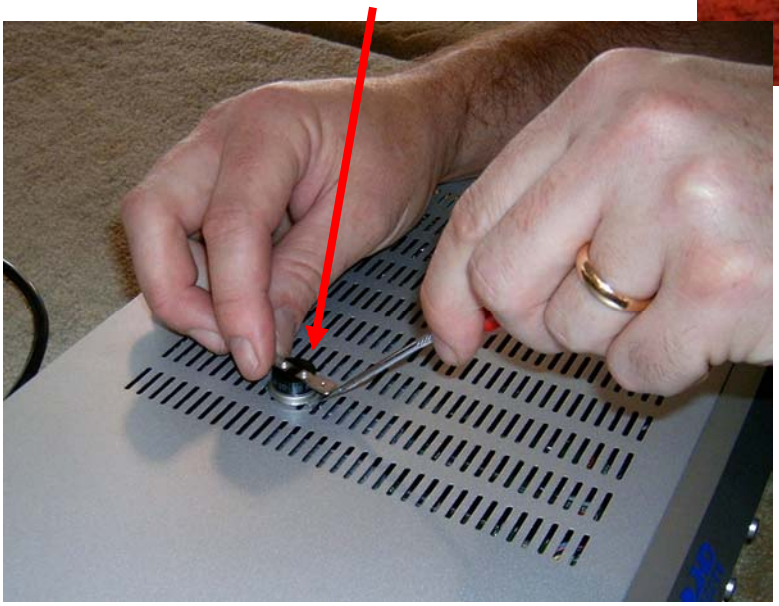
There are two specific conditions to address; first are units that have NO existing fan in the cabinet. Second are units that have an existing cooling fan but need to relocate it. Procedures for both are listed below.

Procedure A: For units that ***DO NOT*** have a fan located in the DSS Satellite Receiver Compartment:

Per the attached print, install a 12 volt DC electric cooling fan (Newmar part #56252) behind the DSS receiver. Mount it to the ceiling of the cabinet 4" from the back wall of the cabinet, blowing air toward the front of the cabinet across the top of the DSS receiver. Power for the fan can be obtained by connecting to the 12 volt DC power supply in the cabinet for Video Selector Switch Box. To cycle the fan for proper cooling, install a thermostat sensor switch (Newmar part # 48077) directly onto the top of the DSS Receiver cabinet, **taking care to make sure the sensor is placed over the heat sink in the receiver.**

Attach the sensor by bending the screw tabs down using needle nose pliers. Bend one tab past 90 degrees so it "hooks" onto the DSS receiver cabinet through a ventilation opening, then bend the other screw tab 90 degrees downward. Hook one end in the opening and insert the vertical tab into an adjacent slot, and using a small screw driver, bend that tab under the sensor to secure it to the DSS receiver cabinet. Once the sensor is secure, attach the wiring to complete the repair.



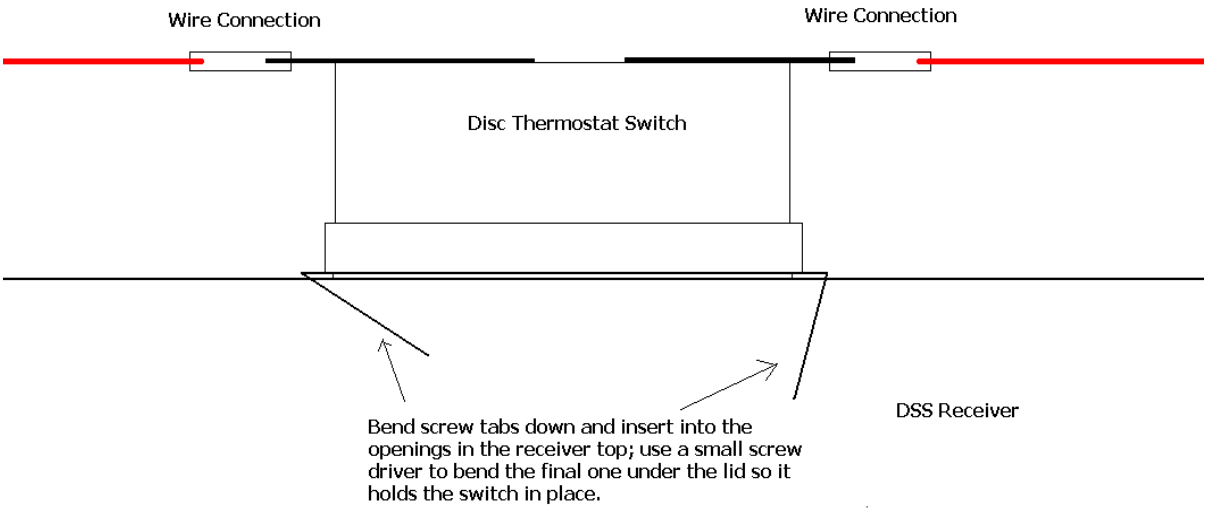


Procedure B: For units that ***DO*** have a cooling fan already located in the DSS Satellite Receiver Compartment:

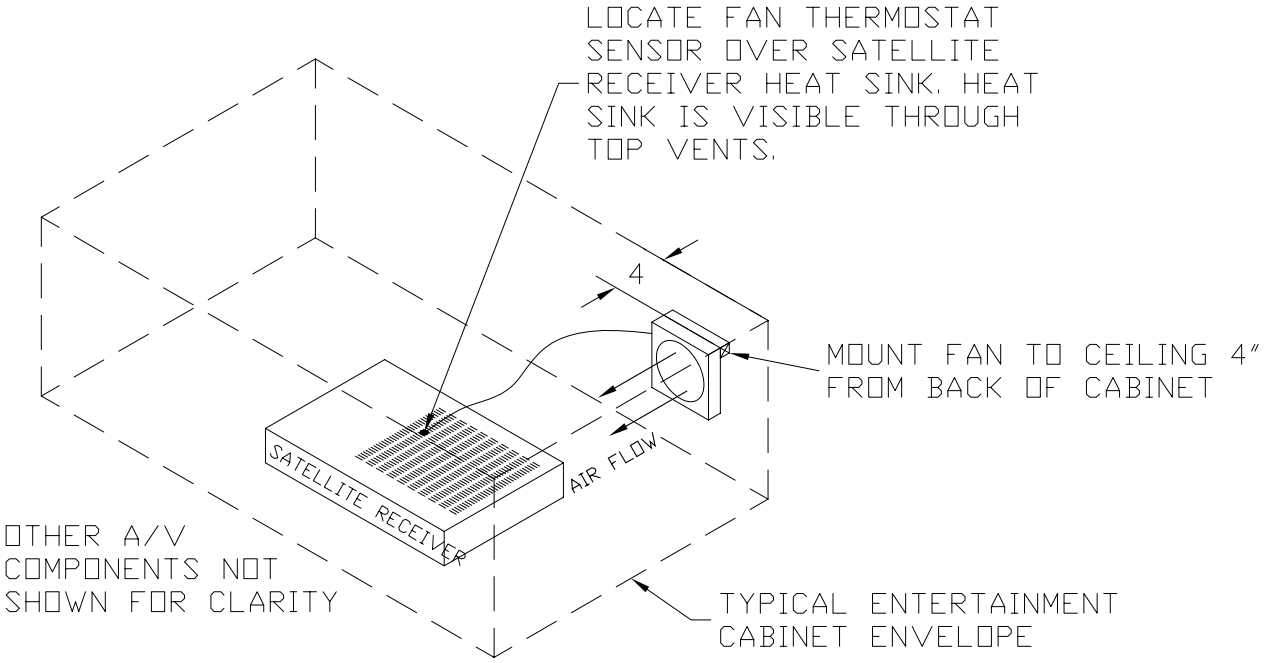
Per the attached print, inspect the fan for proper installation. It should be located at the rear of the compartment, 4" off the back wall blowing air toward the front of the cabinet across the DSS Satellite Receiver(s).

If the fan is not located 4" from the back of the compartment, dismount it and re-install it per the print. Proper clearance on the back side of the fan is critical to improving air flow in the cabinet.

Once the fan is properly installed, attach the temperature sensor to the top of the DSS Satellite Receiver by bending the screw tabs down using needle nose pliers. Bend one tab past 90 degrees so it "hooks" onto the DSS receiver cabinet through a ventilation opening, then bend the other screw tab 90 degrees downward. Hook one end in the opening and insert the vertical tab into an adjacent slot, and using a small screw driver, bend that tab under the sensor to secure it to the DSS receiver cabinet (see photos on previous page).



ITEM #	QTY	NEWMAR #	DESCRIPTION
1	1	56252	FAN
2	1	48077	FAN THERMOSTAT



NEWMAR CORP P.O. Box 30, Nappanee, IN. 46550 Title block--1-2fulTB	Model: (SEE INDEX)	Sheet 1 OF 1	Drawn by: B. S.	Checked by:	Revision:	By: Date:
	Title: COMPONENT FAN LOCATION	I.D. # 2008\HE\CAB\LR\MISC1033	Date: 8/21/07	Date:	Revision:	By: Date: