

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN						
DATE ISSUED	MODEL YEAR(S) AFFECTED	MODEL(S) AFFECTED	TSB #			
1/30/92	1992	ALL	48			
BRAND		TYPE				
All <input type="checkbox"/>	American Star <input checked="" type="checkbox"/>	Kountry Star <input checked="" type="checkbox"/>	Dutch Star <input type="checkbox"/>	All <input checked="" type="checkbox"/>	T T <input type="checkbox"/>	F W <input type="checkbox"/>
NewAire <input type="checkbox"/>	Mountain Aire <input checked="" type="checkbox"/>	Kountry Aire <input checked="" type="checkbox"/>	London Aire <input checked="" type="checkbox"/>	C A <input type="checkbox"/>	D P <input type="checkbox"/>	D B <input type="checkbox"/>
<input checked="" type="checkbox"/> Air Conditioning & Heating				<input type="checkbox"/> Electrical Components		
<input type="checkbox"/> Appliances & Accessories				<input type="checkbox"/> Exterior Components		
<input type="checkbox"/> Cabinets & Furniture				<input type="checkbox"/> Interior Components		
<input type="checkbox"/> Chassis Components				<input type="checkbox"/> Plumbing & Bath Components		
<input type="checkbox"/> Construction Components				<input type="checkbox"/> Windows, Awnings, Vents, & Doors		
DESCRIPTION OF PROBLEM						
Thermostat problems. Furnace cycles and heat not even in unit.						
RECOMMENDED SOLUTION						
The attached sheet from Hydro Flame should help clear up some questions that you might have on thermostat problems and adjustments. Please contact the Newmar Service Department if you have any questions.						

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

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hydro flame corporation

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PRODUCT INFORMATION UPDATE THERMOSTAT

This update is provided to help you better serve our mutual customers by simplifying trouble-shooting and repairs on furnaces.

What is a Thermostat

The thermostat is basically an on-off switch controlled by a bi-metal coil which opens and closes an electrical contact by sensing changes in ambient air temperature. When the thermostat contacts are closed, it supplies power to the blower relay, which in turn closes a connection that sends power to the blower motor. If the blower is running, the thermostat is making contact.

The thermostat Hydro Flame supplies is equipped with a heat anticipator which allows adjustment of the heating cycle. HEAT ANTICIPATOR ADJUSTMENTS ARE NOT COVERED UNDER WARRANTY.

When a heat-cool thermostat is used in conjunction with a roof air conditioner, the warranty, installation instructions and diagnostics are provided by the company that supplies the thermostat, not by Hydro Flame.

How should the thermostat be installed?

The ideal location for a thermostat is on an inside wall 48" to 54" above the floor, away from areas of abnormal heat or cold. If it is installed on an outside wall, a 3/4" minimum spacer must be used, so the thermostat will sense the temperature of the room air and not the temperature of the wall.

The wires used to connect the thermostat to the furnace must be a minimum of 22-ga. stranded wire. We recommend 18-ga. stranded wire whenever possible.

Diagnosing Problems

BLOWER DOES NOT RUN

Thermostat wires broken
or disconnected

NOT COVERED UNDER OUR WARRANTY

Heat anticipator burned
out - no continuity
through thermostat

Usually caused by a dead short (NOT COVERED UNDER WARRANTY). Do not replace the thermostat until the cause of the short is found and corrected.

Sometimes caused by a faulty relay pulling more than 1 amp. In this case, the relay and thermostat would be covered under warranty, when both are replaced.



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No continuity through thermostat with contacts closed, switch on, and anticipator not broken

Replace thermostat

Continuity through thermostat to furnace but blower does not run

Check the following:

- . Power to the furnace
- . Tripped circuit breaker
- . Defective relay
- . Defective motor
- . Poor ground connection
- . Wire disconnected

FURNACE CYCLES TOO QUICKLY

Heat anticipator set too low for amp draw

Move anticipator to a higher amp setting to lengthen cycle (ADJUSTMENT NOT COVERED UNDER WARRANTY).

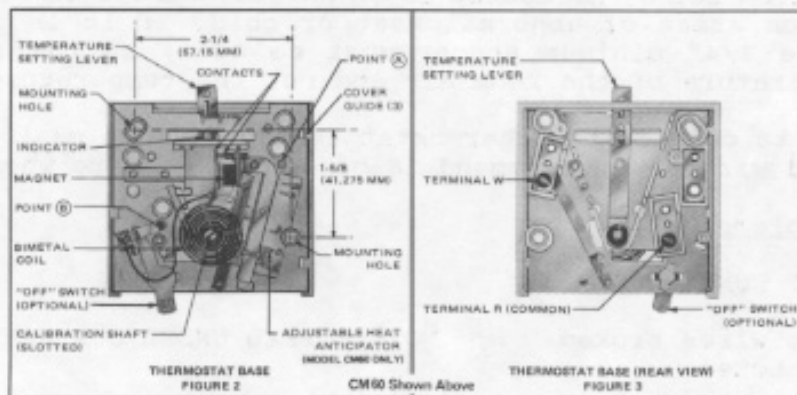
HIGH TEMPERATURE VARIANCE

Heat anticipator set too high

Move anticipator to a lower amp setting to shorten cycle (ADJUSTMENT NOT COVERED UNDER WARRANTY).

NOTE: When the anticipator is properly set and the system has operated for several hours, the furnace should cycle 4 to 6 times per hour.

Calibration of Robertshaw Thermostats



1. Set lever to lowest position; wait 10 minutes.
2. Set lever to the reading of a thermometer that is accurate and close to the thermostat. Remove cover, do not let heat from hands, breath, etc. affect calibration. Work quickly.
3. Hold the lever and with a blade screw driver, turn calibration shaft counter clockwise until contacts break, then slowly turn the shaft clockwise until the contacts just snap closed.
4. Replace cover.

NOTE: Thermostat calibration is not covered under warranty

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

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January 20, 1992

All Dealers

Dear Dealer:

In regard to warranty labor claims where you have to do work on appliances such as, refrigerators, air conditioners, furnaces, stoves, and ice makers. Please make sure that you put the serial number and model number of the appliances on the warranty claim! This will help us to process the claim faster and you will get paid faster.

The other problem is that when work is done on a motorized unit, the chassis number is put on the claim. We need the serial number of the unit. For example, if it is a Kountry Star, it would be M34-72000. This number can be found by the driver's door on a manufacturers tag. This will, also, speed up the payment of the claim.

Please let me know if you have any questions on this, or if you have any suggestions on ways that we can better serve you.

Thanks.
Sincerely,

David F Garl
Warranty Manager

DFG/njh

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