

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN																	
DATE ISSUED		MODEL YEAR(S) AFFECTED		MODEL(S) AFFECTED		TSB #											
3/24/08		2006 – present		All with Norcold Refrigerators		337											
BRAND						TYPE											
All	<input checked="" type="checkbox"/>	American Star	<input type="checkbox"/>	Mountain Aire	<input type="checkbox"/>	All	<input checked="" type="checkbox"/>										
Cypress	<input type="checkbox"/>	Dutch Star	<input type="checkbox"/>	Kountry Aire	<input type="checkbox"/>	T T	<input type="checkbox"/>										
Northern Star	<input type="checkbox"/>	Kountry Star	<input type="checkbox"/>	Essex	<input type="checkbox"/>	F W	<input type="checkbox"/>										
Scottsdale	<input type="checkbox"/>	King Aire	<input type="checkbox"/>	London Aire	<input type="checkbox"/>	C A	<input type="checkbox"/>										
All Star ME	<input type="checkbox"/>	Ventana	<input type="checkbox"/>			D P	<input type="checkbox"/>										
						D B	<input type="checkbox"/>										
<table border="0"><tr><td><input type="checkbox"/> Air Conditioning & Heating</td><td><input type="checkbox"/> Electrical Components</td></tr><tr><td><input checked="" type="checkbox"/> Appliances & Accessories</td><td><input type="checkbox"/> Exterior Components</td></tr><tr><td><input type="checkbox"/> Cabinets & Furniture</td><td><input type="checkbox"/> Interior Components</td></tr><tr><td><input type="checkbox"/> Chassis Components</td><td><input type="checkbox"/> Plumbing & Bath Components</td></tr><tr><td><input type="checkbox"/> Construction Components</td><td><input type="checkbox"/> Windows, Awnings, Vents, & Doors</td></tr></table>								<input type="checkbox"/> Air Conditioning & Heating	<input type="checkbox"/> Electrical Components	<input checked="" 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
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DESCRIPTION OF PROBLEM																	
<p>Discoloration in the refrigerator enclosure wall adjacent to the flue exhaust on Norcold 1200LR refrigerators. Concern is that the discoloration is due to exposure to heat from the flue.</p>																	
RECOMMENDED SOLUTION																	
<p>No action necessary; review Norcold's test information to understand the condition. Norcold's test information is attached to this TSB.</p>																	

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



Service Advisory
Flue Exhaust Discoloration
1200LR/1210LR 1210/1211
Model Series Refrigerators
(excluding 1200AC/1210AC models)

A question has been raised concerning discoloration of the enclosure wall closest to the flue exhaust of a 1200LR refrigerator, presumably because of exposure to heat from the flue.

This has been observed and measured in the lab. The resulting discoloration of the adjacent wood is a dark brown approaching black; however, this appears to be the result of exposure to heat and the fumes that are part of the flue products being expelled from the flue exhaust. The discoloration is not the result of combustion nor is it necessarily an indication of a source for ignition.

For combustion to occur, the wood would have to reach a minimum of 482°F. The temperatures measured at points inside the discolored region are well below these temperatures. The highest temperatures achieved were in a 110°F ambient condition – and the highest individual temperature measured was 145.3°F. **This is 300°F less than the temperature needed for combustion.**

The test setup is shown below for reference:

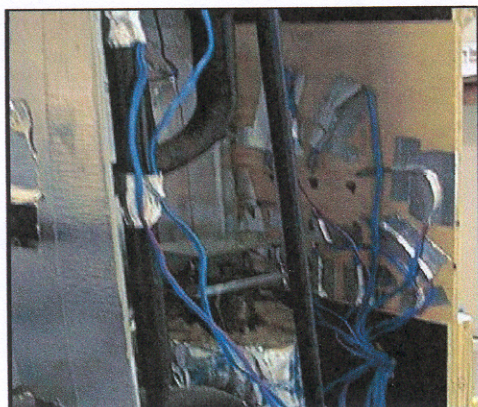


Figure 1. Inside Thermocouple

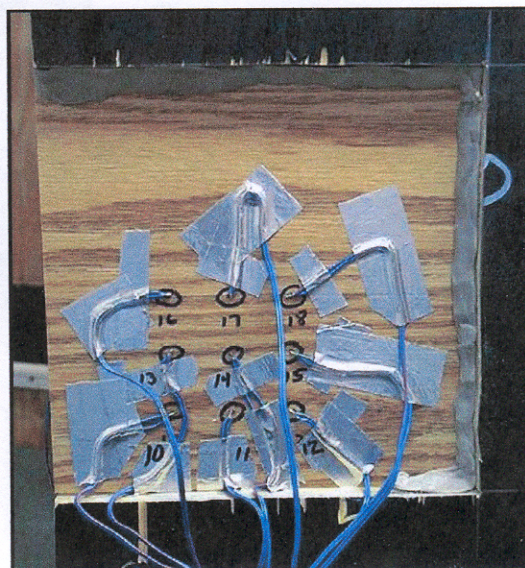


Figure 2. Outside Thermocouple