

# NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN							
DATE ISSUED	MODEL YEAR(S) AFFECTED	MODEL(S) AFFECTED	TSB #				
8/7/02	2002-2003	Class A	239				
BRAND		TYPE					
All <input type="checkbox"/>	American Star <input type="checkbox"/>	Kountry Star <input checked="" type="checkbox"/>	Dutch Star <input checked="" type="checkbox"/>	All <input type="checkbox"/>	T T <input type="checkbox"/>	F W <input type="checkbox"/>	
Scottsdale <input checked="" type="checkbox"/>	Mountain Aire <input checked="" type="checkbox"/>	Kountry Aire <input type="checkbox"/>	London Aire <input type="checkbox"/>	C A <input checked="" 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							
Problems with poor dash a/c cooling or no cooling on Workhorse W-22 chassis.							
RECOMMENDED SOLUTION							
Please see attached memo from Evans Tempcon.							

# NEWMAR CORPORATION

## WARRANTY DEPARTMENT



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August 2, 2002

**TO: ALL MOTORHOME MANUFACTURES AND SERVICE CENTERS**

**SUBJECT: A/C COOLING PROBLEMS ON WORKHORSE W-22**

In the last couple of weeks, Evans Tempcon, Inc has become aware of problems connected with the Workhorse W-22 chassis. The problem as reported is either poor a/c cooling or no cooling. This has resulted in unnecessary repairs being made to affected motor homes. The root cause has been identified as lack of adequate condenser capacity. We believe this is the result of Workhorse putting a large transmission cooler in front of their condenser which causes the efficiency of the condenser to drop below acceptable levels. Test at one of our customers has shown that when the ambient temperature is around eighty (80) degrees there is poor cooling at idle and marginal cooling at road speeds. As the ambient rises above eighty degrees the performance will drop until the dash a/c will not work under idle or road conditions. Another identifiable problem will be excessive cycling of the compressor which is cycling off the high pressure protection switch. The existence of this condition can usually be proven by running cool water on the condenser (behind the transmission cooler) which will result in the return of cooling to the a/c.

Since becoming aware of this problem and its cause, Evans Tempcon, Inc has contacted Workhorse Custom Chassis and is working with them to provide data to confirm the problem. Even though the problem is not with an Evans supplied part, we are investigating a short term fix for this problem to aid our customers in retailing affected coaches and assisting retail customers who have this problem. As soon as we have anything to offer we will advise all concerned.

**Until an interim or permanent fix is found, you need to advise anyone servicing a Workhorse W-22 that they need to check for the condenser problem before attempting to repair other parts that are not defective. You also need to share information about these problems with Workhorse so they can be aware of the magnitude of the problem and take appropriate action**

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