

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN									
DATE ISSUED		MODEL YEAR(S) AFFECTED			MODEL(S) AFFECTED			TSB #	
3/9/94		1993-1994			All			90	
BRAND					TYPE				
All	<input type="checkbox"/>	American Star	<input type="checkbox"/>	Kountry Star	<input checked="" type="checkbox"/>	Dutch Star	<input type="checkbox"/>	All	<input type="checkbox"/>
NewAire	<input type="checkbox"/>	Mountain Aire	<input checked="" type="checkbox"/>	Kountry Aire	<input checked="" type="checkbox"/>	London Aire	<input type="checkbox"/>	C A	<input checked="" type="checkbox"/>
<input 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 checked="" type="checkbox"/>	Construction Components				<input type="checkbox"/>	Windows, Awnings, Vents, & Doors			
DESCRIPTION OF PROBLEM									
Batteries going dead on Class A motorhomes when unit is being stored.									
RECOMMENDED SOLUTION									
Add relay per attached print and instructions. Relay may be purchased in the Newmar Parts Department. If you have any questions, please contact a Newmar Service Representative.									

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

NEWMAR CORPORATION

WARRANTY DEPARTMENT

CORRECTION FOR GRANNING TAG AXLE UNITS

Recently several persons have had problems with the battery discharging while the unit is not in use and the temperature is below 40 degrees. The reason for the discharge is a moisture dryer that is in the compressor tank in the Granning air suspension system. The dryer is thermostatically activated at about 40 degrees. This dryer was accidentally hooked up to a constant hot terminal instead of an ignition hot. Please follow these instructions to make the necessary correction to your unit. The correction will install an ignition activated relay between the power source and the dryer.

The following instructions are for a Potter Brumfield relay # VF4-15F11

1. Remove the clear plastic cover on the 12 volt junction box in the front compartment of the motor home.
2. Disconnect the #8 red wire that feeds the tag axle components from the terminal post on the mini breaker.
3. Connect one of the red wires from the relay to the terminal that the #8 wire in step one was connected to.
4. Connect the other red wire from the relay to the #8 red wire that feeds the tag axle components. (the wire removed from the terminal in step one)
5. Attach the white wire from the relay to a solid ground to the chassis.
6. Attach the orange wire to the ignition hot breaker in the junction box.
7. Reattach the plastic cover to the 12 volt junction box.

The dryer will now receive power only when the ignition is in the on position.

NOTE: If the line shorts out while working on this change check the fuse located at the fuse panel near the steering wheel.

CAUTION: DO NOT REWIRE THE SYSTEM BY A METHOD THAT WILL ALLOW THE DRYER TO FUNCTION ONLY WHEN THE AIR COMPRESSOR IS WORKING. THIS COULD CAUSE SERIOUS DAMAGE TO YOUR VEHICLE.

The diagram illustrates the following components and their interconnections:

- Fuse Block:** A central component with multiple terminals labeled with amperage ratings (e.g., 10A, 20A, 30A) and wire colors.
- Batteries:** Includes a "COACH BATTERY DISCONNECT" and a "CHASSIS BATTERY DISCONNECT".
- Relays:** Features include a "VF4-15F11 RELAY", a "SLIDE OUT RELAY", and a "STARTER RELAY".
- Wiring Labels:** Numerous labels specify wire types and counts, such as "# 10 RED", "# 8 RED", "# 16 TO RADIO", and "# 2 TO CHASSIS BATTERY".
- Other Components:** Labeled items include "POWER SEAT", "CHASSIS FUSE BLOCK", "HOUSE FUSE PANEL", "REFRIGERATOR", "BATTERY BOOST", "ISOLATOR RELAY DELAY", "COPPER BAR", and "COPPER RELAY COPPER BAR".

The diagram uses standard electrical symbols for ground, battery, and switches, providing a comprehensive guide for the vehicle's electrical setup.

ELECTRIC TYPICAL
WILLIE MILLER
2/15/94

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

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