

NEWMAR CORPORATION

WARRANTY

DEPARTMENT

TECHNICAL SERVICE BULLETIN

DATE ISSUED	MODEL YEAR(S) AFFECTED	TSB #
3/22/2018	2017, 2018	514

MODEL

Bay Star Sport	☐	Ventana	☒	Essex	☐
Bay Star	☐	Dutch Star	☒	King Aire	☐
Canyon Star	☐	Mountain Aire	☒	New Aire	☐
Ventana LE	☐	London Aire	☒	Other	☐

DESCRIPTION

On 2017 and 2018 Ventana and Dutch Star coaches with the 4310 floorplan and 2017 Mountain Aire and London Aire coaches with the 4525 floorplan equipped with a 85,000 BTU Oasis NES hydronic heating system, the hydronic heating system fuse and wiring may be undersized.

Issue: The fuse may blow due to overload.

Correction: Install 10 gauge power and ground wires and a 30 amp fuse in lieu of the 12 gauge wire and the 20 amp fuse.

Refer to the attached population for potentially affected coaches.

RECOMMENDED ACTION

Check if the coach is equipped with an Oasis NES system and is fused with a 20 amp fuse and has 12 gauge power and ground wires. If it is, the coach will need the fuse and wire update. Call your Service Account Manager at Newmar to request authorization and order parts to complete the fuse and wire update. Follow the attached work instructions to complete the TSB.

Flat Rate Code: TSB 514

Labor Time: .6 hr.

Please read this bulletin in its entirety prior to beginning any diagnosis or repairs.

HOW TO CHANGE AN OASIS NES FUSE AND WIRE

RELEVANT COACHES

- 2017 Mountain Aire and London Aire (4525 Floorplan with Oasis NES Hydronic Heating System)
- 2017 and 2018 Ventana and Dutch Star (4310 Floorplan with Oasis NES Hydronic Heating System)

ISSUE

TSB 514 - The fuse and wires supplying power to the NES system may be undersized, resulting in a blown 20 amp fuse in the cord reel compartment.

ACTION

Follow the service procedure below to correct the condition. The approximate time to complete this repair is six-tenths of an hour (.6 hr).

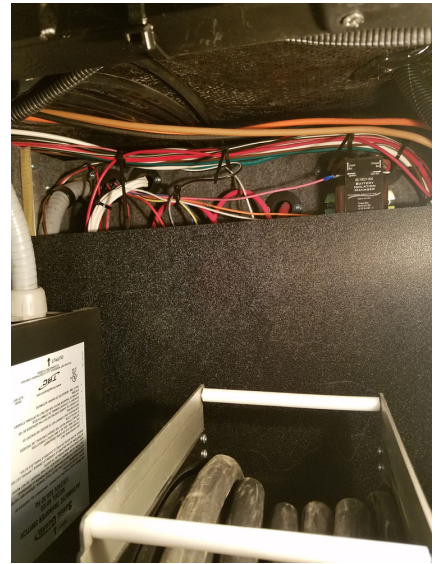
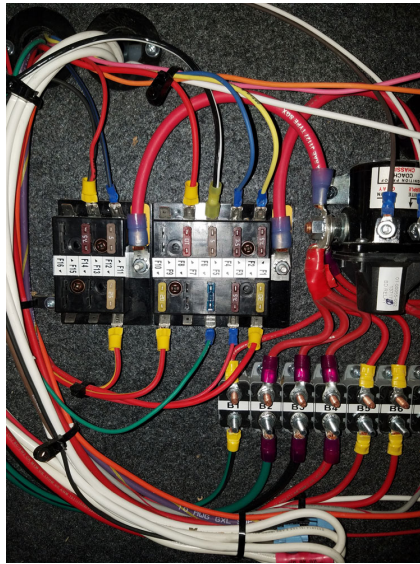
NECESSARY TOOLS & REPLACEMENT PARTS

Wire Cutter
Wire Stripper
Wire Crimpers
Nut Driver, Wrench, or Ratchet with 3/8 " Socket

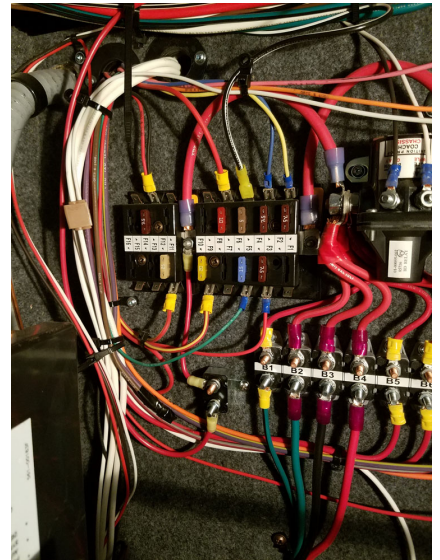
Part Name	Part Quantity	Newmar Part Number
Red 10 Gauge Wire	6 ft.	12888
White 10 Gauge Wire	6 ft.	20914
3/8" Flexible Conduit	6 ft.	35940
Ring Terminal	1 ea.	22674
Yellow Female Spade Terminal	1 ea.	10606
Bell Connector	2 ea.	24950
Wire Ties	6 ea.	10643
30 Amp ATC Fuse	1 ea.	22241

SERVICE PROCEDURE

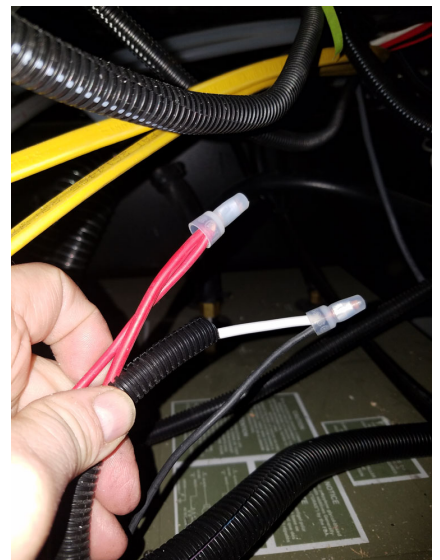
1. Check if the coach has an Oasis NES system.
2. Remove the Velcro-attached cover.
3. Locate the F1 fuse.
4. If it has a 20 amp fuse and a 12 gauge wire hooked up to the F1 terminal, perform the TSB procedure.



5. Remove the 20 amp fuse.
6. Pull the terminal to disconnect the power wire.
7. Cut off the terminal, fold the wire back, and secure it to the rest of the wire bundle (the wire will no longer be used).



8. On the top of the Oasis NES, locate the power and ground wires connected to the red 12 gauge wire from the F1 fuse.
9. Cut off the power and ground wire bell connectors (or other connectors).
10. Tape up the 12 gauge red and white wire, as they will no longer be used.
11. Strip back the ends approximately 3/8" on the black and red wires from the Oasis NES to prepare for reconnection.



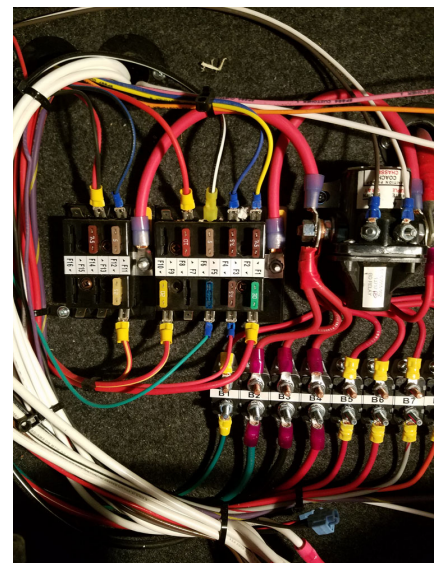
12. Put the two 10 gauge wires into the flexible conduit, leaving about 10 inches of red and white wire sticking out. Stagger the white wire back 10 inches.
13. Strip the insulation, and install the yellow spade terminal on the red wire.
14. Strip the white wire, and install the yellow ring terminal on the white wire.



15. Turn off the disconnect switch to minimize other circuit activity.
16. Remove the nut from the ground stud located on the frame near the Oasis NES.
17. Install the 10 gauge white wire with ring terminal.
18. Reinstall the nut, and tighten it.
19. Using a bell connector, connect the opposite end of the white wire to the black Oasis ground wire.
20. Using another bell connector, connect the red 10 gauge wire to the red Oasis NES wire.



21. Connect the red 10 gauge wire with the yellow spade terminal to the fuse block in the F1 location.
22. Install the new 30 amp fuse in the F1 location.
23. Use wire ties to secure the new wire loom as needed.
24. Turn the disconnect switch on, and verify the Oasis NES is operating properly.



Prod#	VIN Number	Year	Brand	Type	Floor	Chassis	Date In	Date Off
412485	4UZFCHCYXHCHR8324	2017	VT	DP	4310	FL	1/4/2016	1/12/2016
412549	4UZFCHCY3GCHR8325	2017	VT	DP	4310	FL	2/19/2016	3/1/2016
412753	4UZFCHCY0HCHZ6162	2017	VT	DP	4310	FL	6/1/2016	6/10/2016
412950	4UZFCHCY7HCJF2389	2017	VT	DP	4310	FL	10/13/2016	10/20/2016
412951	4UZFCHCY1HCJE4143	2017	VT	DP	4310	FL	10/24/2016	11/1/2016
413020	4UZFCHCY3HCJF4351	2017	VT	DP	4310	FL	11/11/2016	11/18/2016
413030	4UZFCHCY8HCJF6659	2017	VT	DP	4310	FL	11/11/2016	11/21/2016
413098	4UZFCHCY8HCJG6382	2017	VT	DP	4310	FL	2/3/2017	2/10/2017
413153	4UZFCHCY1HCJH1701	2017	VT	DP	4310	FL	2/27/2017	3/7/2017
413154	4UZFCHCY5HCJL0623	2017	VT	DP	4310	FL	3/6/2017	3/13/2017
413172	4UZFCHCY1JCJN2298	2017	VT	DP	4310	FL	3/20/2017	3/27/2017
413203	4UZFCHCY5JCJP0397	2017	VT	DP	4310	FL	4/11/2017	4/20/2017
413223	4UZFCHFE7JCJP1861	2017	VT	DP	4310	FL	5/18/2017	5/31/2017
413249	4UZFCHCY9JCJP1746	2017	VT	DP	4310	FL	4/24/2017	5/2/2017
413267	4UZFCHFE7JCJP1858	2017	VT	DP	4310	FL	5/1/2017	5/9/2017
413290	4UZFCHFE6JCJR8341	2018	VT	DP	4310	FL	5/24/2017	6/6/2017
413291	4UZFCHFE8JCJR6364	2018	VT	DP	4310	FL	6/2/2017	6/12/2017
413395	4UZFCHFE4JCJU9963	2018	VT	DP	4310	FL	8/24/2017	9/1/2017
413459	4UZFCHFE5JCJS2402	2018	VT	DP	4310	FL	6/16/2017	6/26/2017
413488	4UZFCHFE9JCJW0697	2018	VT	DP	4310	FL	10/16/2017	10/24/2017
413552	4UZFCHFE5JCJW0695	2018	VT	DP	4310	FL	10/9/2017	10/16/2017
413605	4UZFCHFE2JCJX7048	2018	VT	DP	4310	FL	10/23/2017	11/1/2017
413606	4UZFCHFE1JCJY7201	2018	VT	DP	4310	FL	11/3/2017	11/10/2017
413825	4UZFCHFE1JCKB2531	2018	VT	DP	4310	FL	2/5/2018	2/13/2018
501464	4UZFCTBG4HCJD1348	2017	LA	DP	4525	FL	8/29/2016	9/7/2016
501465	4VZVU1E92HC082796	2017	LA	DP	4525	S	9/23/2016	10/3/2016
501491	4UZFCTBG3HCHX0277	2017	LA	DP	4525	FL	2/28/2017	3/8/2017
606056	4UZFCHCY0HCHZ7795	2017	DS	DP	4310	FL	5/20/2016	5/31/2016
606057	4UZFCHCY2HCHZ7796	2017	DS	DP	4310	FL	5/20/2016	6/1/2016
606065	4UZFCHCY0HCJA0473	2017	DS	DP	4310	FL	5/31/2016	6/8/2016
606136	4UZFCHCY6HCJA4754	2017	DS	DP	4310	FL	6/24/2016	7/12/2016
606181	4UZFCHCY1HCJA2880	2017	DS	DP	4310	FL	6/27/2016	7/13/2016
606190	4UZFCHCY8HCJB2273	2017	DS	DP	4310	FL	8/4/2016	8/12/2016
606223	4UZFCHCY3HCJC8171	2017	DS	DP	4310	FL	8/22/2016	8/30/2016
606273	4VZAU1D90HC082781	2017	DS	DP	4310	S	10/10/2016	10/18/2016
606292	4UZFCHCY8HCJE2678	2017	DS	DP	4310	FL	10/25/2016	11/1/2016
606302	4UZFCHCY2HCJE4149	2017	DS	DP	4310	FL	10/27/2016	11/3/2016
606313	4UZFCHCY4HCJE2676	2017	DS	DP	4310	FL	10/17/2016	10/25/2016
606329	4UZFCHCY8HCJF2398	2017	DS	DP	4310	FL	11/10/2016	11/17/2016
606337	4UZFCHCY6HCJF2402	2017	DS	DP	4310	FL	11/14/2016	11/22/2016
606412	4UZFCHCY0HCJJ2031	2017	DS	DP	4310	FL	1/31/2017	2/7/2017
606602	4VZAU1D95HC083523	2017	DS	DP	4310	S	3/20/2017	3/28/2017
606634	4VZAU1D99HC083525	2017	DS	DP	4310	S	3/29/2017	4/5/2017
606671	4VZAU1D93HC083598	2017	DS	DP	4310	S	4/24/2017	5/2/2017
606692	4UZFCHCY4JCJP1749	2017	DS	DP	4310	FL	5/17/2017	5/24/2017
606708	4VZAU1D99JC083773	2018	DS	DP	4310	S	6/8/2017	6/16/2017

Prod#	VIN Number	Year	Brand	Type	Floor	Chassis	Date In	Date Off
606709	4UZFCHFE7JCJR6369	2018	DS	DP	4310	FL	5/31/2017	6/8/2017
606746	4UZFCHFEXJCJZ3496	2018	DS	DP	4310	FL	12/11/2017	12/19/2017
606801	4UZFCHFE4JCJS6750	2018	DS	DP	4310	FL	6/14/2017	6/23/2017
606923	4UZFCHFE1JCKC1021	2018	DS	DP	4310	FL	1/30/2018	2/6/2018
606946	4VZAU1D90JC084150	2018	DS	DP	4310	S	8/17/2017	8/25/2017
606950	4VZAU1D90JC084004	2018	DS	DP	4310	S	7/24/2017	8/1/2017
607038	4VZAU1D97JC084517	2018	DS	DP	4310	S	11/1/2017	11/8/2017
607058	4VZAU1D91JC084240	2018	DS	DP	4310	S	8/31/2017	9/11/2017
607134	4UZFCHFE4JCJX7052	2018	DS	DP	4310	FL	10/20/2017	10/30/2017
607141	4VZAU1D98JC084929	2018	DS	DP	4310	S	1/31/2018	2/7/2018
904476	4UZFCTBG5HCHZ1907	2017	MA	DP	4525	FL	6/17/2016	6/28/2016
904512	4UZFCTBG4HCJG6388	2017	MA	DP	4525	FL	2/3/2017	2/13/2017
904532	4VZVU1E99HC083587	2017	MA	DP	4525	S	4/28/2017	5/8/2017