

Newmar Corporation

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WHEN YOU KNOW THE DIFFERENCE.

TSB 582
May. 02, 2022

TECHNICAL SERVICE BULLETIN

AFFECTED MODELS

2021 – 2022 :: King Aire

ISSUE

It was determined that the bulk charge rate may be set too high (15v) on some solar controllers. This may cause issue with overcharging of chassis batteries when the charge bridge is engaged. Another possible issue is the BMS's in the lithium setup (KGDB) would read high voltage and turn off to protect the batteries. High voltage may also be detected in the inverters when the settings for inverter high voltage cutout is set under the solar bulk charge voltage setting, which may cause inverters to shut down to protect the batteries.

UNITS AFFECTED

Please refer to the attached population list for units and VINs which were ordered with the affected solar option(s). Units produced after 2022 ECO 829 should not be affected.

CORRECTIVE ACTION

Check and reset the solar controller settings to keep the solar charge voltages within tolerance of all systems with this option.

Set the Xantrex C60 Solar Controller settings per instructions below:

1. These settings reside on the right side of the controller under the removable cover.
 - EQ/LVR Jumper – MANUAL (Should be set from Manufacturer)
 - Controller Mode Jumper – CHARGE CONTROL (Should be set from Manufacturer)
 - Voltage Jumper – 12V (Should be set from Manufacturer)
2. These Dials reside in the center of the controller under the removable cover.
 - Bulk Potentiometer (Dial) – 14V
 - Float Potentiometer (Dial) – 13.2V

FLAT RATE CODE: TSB 829

LABOR TIME: .2 hr

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

NOTICE: Any technical information published in this bulletin is intended for use only by a qualified, Newmar-authorized service technician. Newmar is not responsible for the misuse of this information.

Work Instructions for Checking Solar Charger Settings

Locate the solar controller, usually located in the lower compartment (often on the front bulkhead).



Remove the four screws on the front cover. Check and adjust the setting as described on the recall.

Reinstall the cover and secure with four screws.

Prod#	VIN Number	Year	Brand	Type	Floor	Chassis	Date In	Date Off
530623	4VZVU1E9XMC088128	2021	KG	DB	4531	S	1/31/2020	2/11/2020
530632	4VZVU1E94MC089260	2021	KG	DB	4553	S	7/15/2020	7/23/2020
530634	4VZVU1E90MC089384	2021	KG	DB	4531	S	8/25/2020	9/2/2020
530635	4VZVU1E98MC089343	2021	KG	DB	4531	S	8/11/2020	8/20/2020
530639	4VZVU1E93MC089668	2021	KG	DB	4531	S	10/15/2020	10/23/2020
530645	4VZVU1E93MC089766	2021	KG	DB	4531	S	12/7/2020	12/15/2020
530646	4VZVU1E91MC089670	2021	KG	DB	4531	S	10/29/2020	11/9/2020
530647	4VZVU1E91MC090138	2021	KG	DB	4531	S	3/24/2021	3/31/2021
530655	4VZVU1E98NC089635	2022	KG	DB	4531	S	12/17/2020	1/12/2021
530658	4VZVU1E9XNC089636	2022	KG	DB	4533	S	1/28/2021	2/5/2021
530660	4VZVU1E99MC090355	2021	KG	DB	4531	S	3/30/2021	4/9/2021
530661	4VZVU1E96MC090782	2021	KG	DB	4531	S	5/21/2021	6/1/2021
530662	4VZVU1E96MC090684	2021	KG	DB	4553	S	5/3/2021	5/10/2021
530664	4VZVU1E95MC090627	2021	KG	DB	4531	S	4/22/2021	5/3/2021
530665	4VZVU1E9XMC090591	2021	KG	DB	4531	S	4/15/2021	4/23/2021
530666	4VZVU1E91MC090768	2021	KG	DB	4531	S	5/17/2021	5/24/2021
530668	4VZVU1E90NC090925	2022	KG	DB	4531	S	6/14/2021	6/22/2021
530670	4VZVU1E92NC091025	2022	KG	DB	4533	S	7/12/2021	7/20/2021
530671	4VZVU1E92NC091249	2022	KG	DB	4531	S	7/30/2021	8/9/2021
530672	4VZVU1E97NC091098	2022	KG	DB	4578	S	7/19/2021	7/27/2021
530674	4VZVU1E99NC091250	2022	KG	DB	4531	S	8/9/2021	8/19/2021
530675	4VZVU1E97NC091327	2022	KG	DB	4578	S	8/30/2021	9/7/2021
530676	4VZVU1E94NC091480	2022	KG	DB	4533	S	9/8/2021	9/17/2021
530678	4VZVU1E91NC091517	2022	KG	DB	4531	S	9/16/2021	9/24/2021
530679	4VZVU1E99NC091698	2022	KG	DB	4533	S	10/26/2021	11/4/2021
530680	4VZVU1E93NC092040	2022	KG	DB	4578	S	1/5/2022	1/14/2022
530681	4VZVU1E92NC091428	2022	KG	DB	4531	S	9/3/2021	9/15/2021
530683	4VZVU1E93NC091860	2022	KG	DB	4531	S	11/4/2021	11/15/2021
530715	4VZVU1E96NC091982	2022	KG	DB	4531	S	11/30/2021	12/7/2021
530659	4VZVU1E92MC090052	2021	KG	DB	4531	S	3/16/2021	3/25/2021
530710	4VZVU1E96NC091772	2022	KG	DB	4531	S	10/21/2021	11/3/2021