



## Renogy Inverter Settings

<b>Bulletin Type:</b>	TSB	<b>Publication Date:</b>	November 2023
<b>Bulletin #(s):</b>	23-120	<b>Make(s):</b>	Jayco, Entegra Coach
<b>Job Code(s):</b>	9803593	<b>Model(s):</b>	Terrain (19Y) Solstice LI (21BL) Swift LI (20AL, 20DL, 20TL) Launch (19Y) Expanse LI (21BL) Ethos LI (20AL, 20DL, 20TL)
<b>Flat Rate(s):</b>	9803593 .10 Hr Inspect & Repair Renogy Inverter Settings		<b>Model Year (s):</b>

<b>Incident:</b>	Renogy recommendations on updated Inverter Settings
<b>Affected Units:</b>	2021-2024 Jayco Terrain, Solstice LI, Swift LI; 2021-2024 Entegra Coach Launch, Expanse LI, Ethos LI with renogy 48V Lithium system
<b>Parts List:</b>	(1) DECAL, INV SETTING 4X5 RENOGY
<b>Misc. Tools &amp; Supplies:</b>	N/A

## Renogy Inverter Settings

1. In order to change the inverter settings, power on the lithium system and inverter.
  - A. Verify all charging sources are disconnected:
    - i. Alternator
    - ii. Shore Power
    - iii. Rooftop Solar – disconnect near battery in the 'OFF' position
    - iv. Side Solar



- B. Turning on the lithium battery: Turn battery on with the self-locking switch and self-resetting switch
  - i. Press and release the self-locking switch (typically installed behind an access panel near the lithium battery)
  - ii. Next press and hold the self-resetting switch (typically installed overhead cabinet near Firefly touchscreen) for approximately 5-10 seconds to turn on the battery. There will be a series of clicks count to 5 after the last one.

C. Turn on Inverter by pushing button on Inverter remote switch. Green light will turn on the remote switch when inverter is on.



2. Remove components necessary to gain access to the fuse block. The removal procedure will be dependent by floor plan.

A. Sprinter SY – Remove access cover located at the driver side rear on the lower ABS panel access panel (Figure 1) to provide access to the battery equipment shelf (Figure 2).

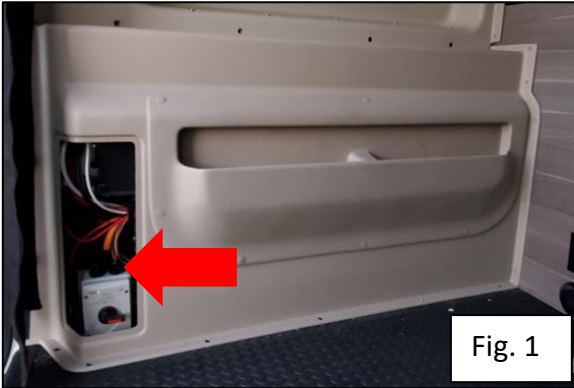


Fig. 1

B. Promaster WA/WD/WT – Locate and remove the access cover located under the sofa/bed mattress. Depending on model year, there may be a bed frame which will need to lift out of the way.



Fig. 2

C. Ford Transit TB – Locate and remove the access cover located under the driver side rear jump seat. (Figure 3)



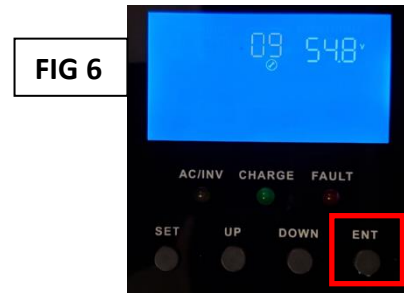
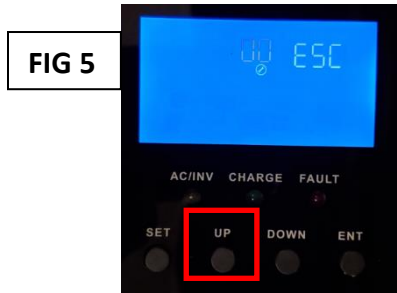
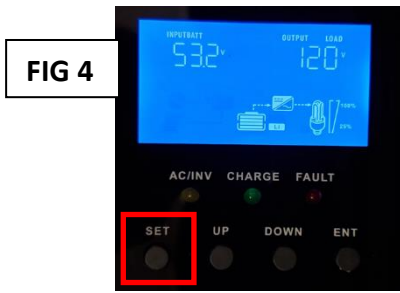
Fig. 3

3. Review the option numbers before starting to reset inverter parameters. When reviewing and updating the Inverter Settings, it is recommended to start with option #8. It must be set for LF16. With option #8 changed, it will set many of the options (green highlighted). Yellow highlighted items are those which should have been manually set.

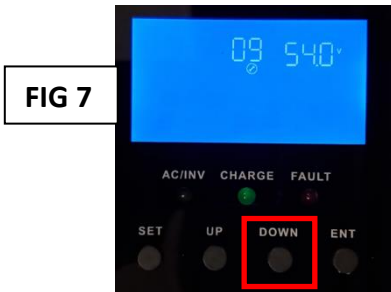
OPTION #	DESCRIPTION	SELECTION	DEFAULT OR CUSTOM
00	EXIT	N/A	
01	LOAD WORKING MODE	UTILITY	DEFAULT
02	OUTPUT FREQUENCY	60	DEFAULT
03	AC INPUT VOLTAGE RANGE	UPS	DEFAULT
04	BATTERY POWER UTILITY SETPOINT	44.0V	DEFAULT
05	UTILITY TO BATTERY POWER SETPOINT	58.8V	DEFAULT
06	BATTERY CHARGING MODE	SnU	DEFAULT
07	MAXIMUM CHARGING CURRENT	80A	DEFAULT
08	BATTERY TYPE	LF16	CUSTOM SET POINT
09	BOOST CHARGE VOLTAGE	53.6	CUSTOM SET POINT
10	BOOST CHARGE DURATION	VARIABLE UNTIL FULL	DEFAULT
11	FLOAT CHARGE VOLTAGE	N/A	DEFAULT
12	LOW VOLTAGE LOAD DISCONNECT	50.0V	CUSTOM SET POINT
13	BATTERY OVER DISCHARGED DELAY TIME	30 s	CUSTOM SET POINT
14	BATTERY UNDERVOLTAGE ALARM	50.4V	CUSTOM SET POINT
15	BATTERY DISCHARGE LIMIT VOLTAGE	49.6V	CUSTOM SET POINT
16	SET EQUALIZATION CHARGING	N/A	DEFAULT
17	BATTERY EQUALIZATION VOLTAGE	N/A	DEFAULT
18	BATTERY EQUALIZATION DURATION	N/A	DEFAULT
19	BATTERY EQUALIZATION TIME DELAY	N/A	DEFAULT
20	EQUALIZATION INTERVAL	N/A	DEFAULT
21	ENABLE EQUALIZATION IMMEDIATELY	N/A	DEFAULT
22	POWER SAVING MODE	DIS	DEFAULT
23	OVERLOAD AUTOSTART	ENA	DEFAULT
24	OVERTEMPERATURE AUTOSTART	ENA	DEFAULT
25	BUZZER ALARM	ENA	DEFAULT
26	MODE TRANSITION ALARM	DIS	CUSTOM SET POINT
27	OVERLOAD BYPASS	ENA	DEFAULT
28	MAXIMUM D/C CHARGING CURRENT	40A	DEFAULT
29	SPLIT PHASE	DIS	DEFAULT
30	N/A	N/A	N/A
31	N/A	N/A	N/A
32	N/A	N/A	N/A
33	N/A	N/A	N/A
34	N/A	N/A	N/A
35	LOW VOLTAGE DISCONNECT RECOVER	51.6V	CUSTOM SET POINT
36	PV CHARGING CURRENT	80A	DEFAULT

37	BATTERY CHARGING BOOST RETURN SETPOINT	52V	DEFAULT
* 38	AC OUTPUT VOLTAGE SETTING	120	DEFAULT
* 39	MAX AC INPUT CURRENT	30A	CUSTOM SET POINT

4. Change all necessary parameters:
  - A. Select the 'SET' button (Fig. 4).
  - B. With the double '00' flashing, hit the 'UP' button until parameter number desired to change. (Fig. 5).
5. Hit the 'ENT' button (Fig. 6)



6. With the parameter value flashing, hit the 'UP' or 'DOWN' button until desired value is selected. (Fig. 7)



7. Hit the 'ENT' button
8. Hit the 'SET' button
9. Install inverter setting decal on the back side of the access panel for future reference. (Fig. 8)



Jayco's sole obligation under our limited warranty is to repair or replace defective materials and/or workmanship deemed our responsibility as determined by Jayco in our sole discretion. Jayco reserves the right to use new and/or remanufactured parts or materials of similar quality to complete any work, and to make parts and/or design changes as appropriate without notice to anyone. Jayco designs and/or materials changes are done without obligation to incorporate such changes in previously manufactured product. Jayco makes every reasonable effort to ensure field remedies will not adversely affect performance and/or safety of the unit. This field remedy is not intended to extend to future performance of this RV, or any of its materials, components or parts beyond the standard warranty period. The RV owner's obligation to notify Jayco, or one of its independent, authorized dealers, of a claimed defect does not modify any obligation placed on the RV owner to contact Jayco directly when attempting to pursue remedies under state or federal law. Jan. 2019.

903 South Main Street • P.O. Box 460 • Middlebury, IN 46540