



Inverter Performance – 36A, 36C, 34G, 31UL w/Residential Refer

Bulletin Type:	SRP	Publication Date:	September 2023
Bulletin #(s):	23-117	Make(s):	Jayco, Entegra Coach
Job Code(s):	<i>If affected unit has warranty remaining, submit your claim following the normal process. Repair time allowed should not exceed 2 hours.</i>	Model(s):	Precept (36A-UA, 36C-UC, 34G-UG, 31UL-UL) Vision XL (36A-UA)
Flat Rate(s):		Model Year(s):	2020-2024

Incident:	Inverter performance issues related to units with residential refer option and 1200W. Issue presents as an error code or buzzer warning for E01 or E05 Low Voltage Warning. The cause is insufficient DC cable size.
Affected Units:	2020-2024 Jayco Precept; Entegra Coach Vision XL units with 1200W Inverter and Residential Refer option.
Parts List:	<p><u>36A (UA) /36C (UC)/34G (UG)</u> 1 - CABLE,BATTERY 1 GAUGE RED 120" .25 RING/.3125 RING WITH LOOM (2051250) 1 - CABLE,BATTERY 1 GAUGE BLACK 120" .3125 RING/.3125 RING WITH LOOM (2051251) 1 - CABLE,BATTERY 1 GAUGE RED 36" .25 RING/.3125 RING WITH LOOM (2051252) 1 - BREAKER,RESET MANUAL 150 AMP 12 VOLT WITH .25 DIAMETER POST SURFACE MOUNT STANDARD MFR# 174-S0-150-2 (2050760)</p> <p><u>31 (UL)</u> 1 - CABLE,BATTERY 2/0 GAUGE RED 240" .25 RING/.3125 RING WITH LOOM (2051253) 1 - CABLE,BATTERY 2/0 GAUGE BLACK 240" .3125 RING/.3125 RING WITH LOOM (2051254) 1 - CABLE,BATTERY 2/0 GAUGE RED 36" .25 RING/.3125 RING WITH LOOM (2051255) 1 - BREAKER,RESET MANUAL 150 AMP 12 VOLT WITH .25 DIAMETER POST SURFACE MOUNT STANDARD MFR# 174-S0-150-2 (2050760)</p>
Misc. Tools & Supplies:	Screwgun with Square Bit Ratchet 1/2" Socket 7/16" Socket

INVERTER PERFORMANCE REPAIR INSTRUCTIONS

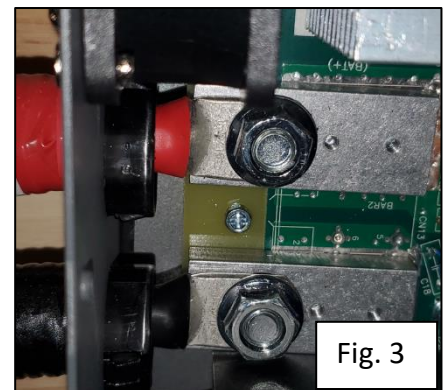


Danger: Electrical current from power, telephone, and communication cables is hazardous. To avoid a shock hazard, make sure the 12V Main Disconnect Switch is OFF and disconnect the batteries before performing the repairs.

1. Remove the mattress from the bed assembly.
2. With a screwgun, remove the cover panel at the end of the bed. (Fig. 1)



3. Remove the positive and ground cable from the inverter.
 - a. Loosen the fastener at the end of the inverter and remove the access cover panel. (Fig. 2)
 - b. With a ½" socket remove the positive and negative cables.



4. Remove the existing cables running between the inverter and the battery and discard. (Fig. 4)
 - a. Ground cable runs from the inverter to the frame. This can be left in place and taped off (not to be used).
 - b. Positive cable (Black 2GA with Orange tape) runs from the inverter to the standoff terminal stud in the bed base. This will need to be removed.

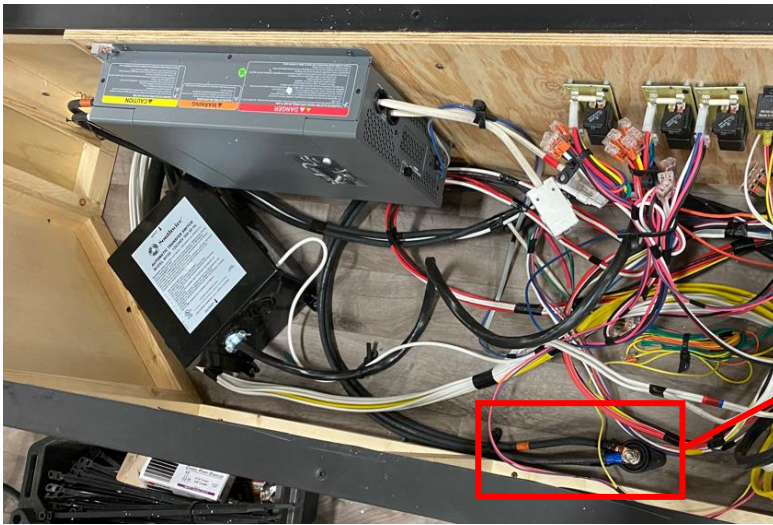


Fig. 4

5. Drill a 2" hole through the floor between the two load centers. (Fig. 5)
 Caution: Wire harnesses will need to be moved
 Caution: Depending of floor plan, the fuel tank under the vehicle will determine the exact hole location.

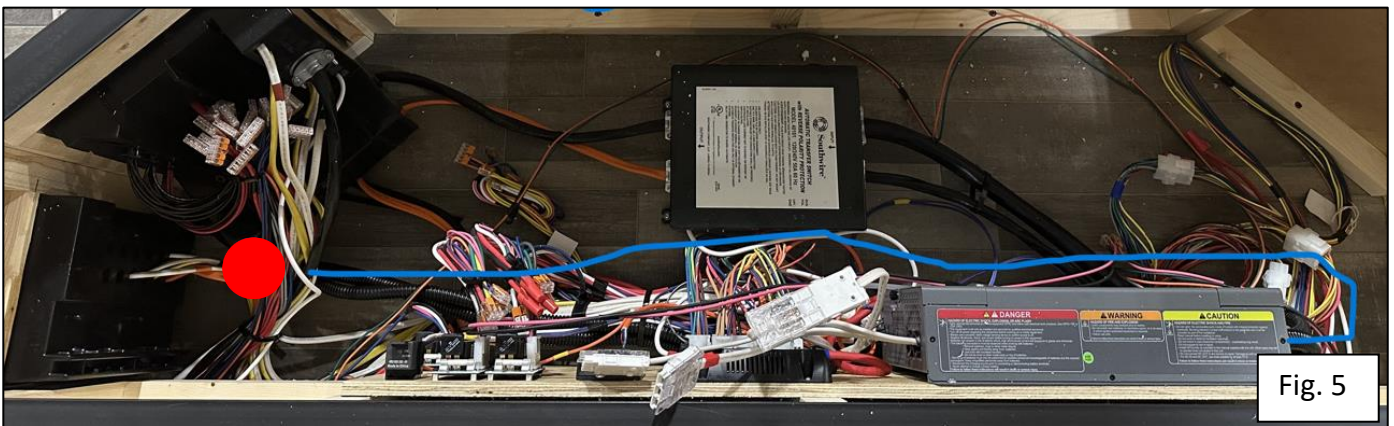


Fig. 5

6. Following the existing cable routing, route the new heavier gauge cables from the inverter down to the battery box.
7. Inverter Connections (Fig 6):
 - a. With a 1/2" socket, connect the 96" negative (Black) cable (Torque = 71-80 LBF-IN).
 - b. With a 1/2" socket, connect the 96" positive (Red) cable (Torque = 71-80 LBF-IN).
 - c. Re-install the access panel.

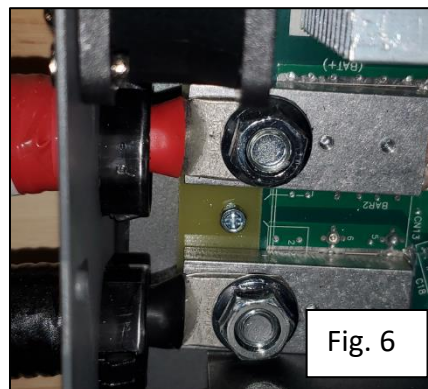
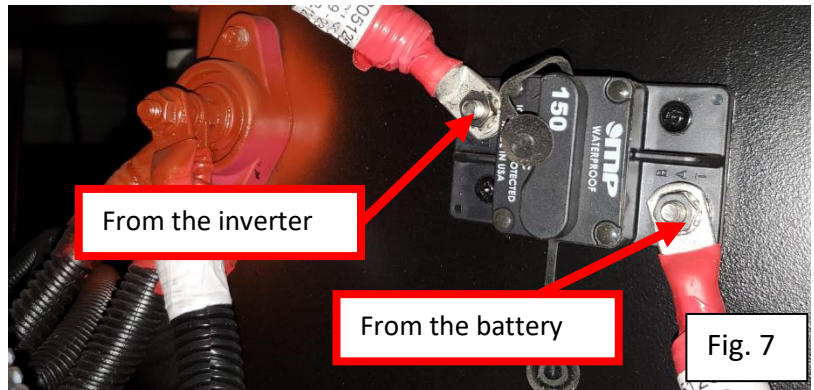


Fig. 6

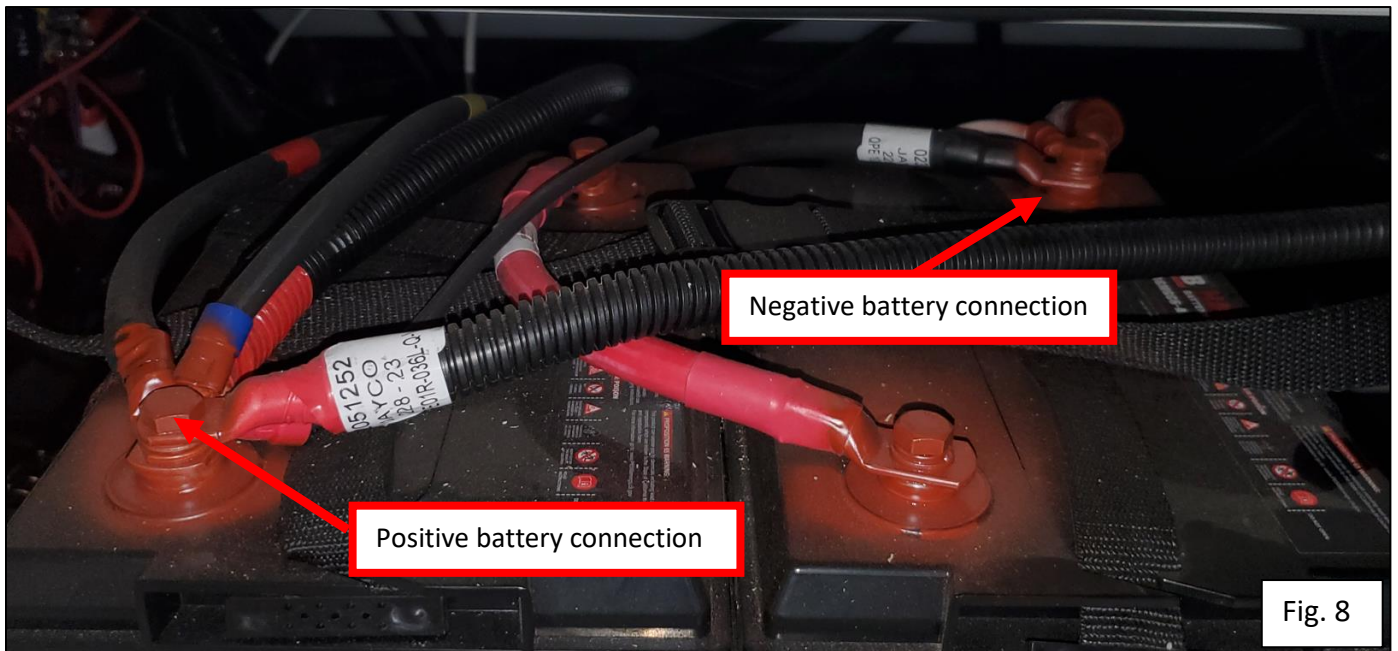
8. Manual Reset Breaker Connections (Fig. 7):

- d. In the battery box, add a 150A Manual Reset Breaker to the side of the battery compartment next to the positive mounting stud. Secure to the box with two self-tapping screws
- e. Using a 7/16" socket, connect the positive (Red) cable from the inverter to the AUX side of the reset breaker (Torque = 24 LBF-IN).
- f. Using a 7/16" socket, connect the 36" Red battery cable to the BAT side of the reset breaker (Torque = 24 LBF-IN).



9. Battery Connections (Fig. 8):

- a. With a 1/2" socket, connect the opposite end of the 36" Red battery cable from reset breaker to positive terminal (Torque = 50-70 LBF-IN)
- b. With a 1/2" socket, connect the negative cable from the inverter to negative terminal (Torque = 50-70 LBF-IN)



10. Turn ON the 12V Main Disconnect Switch and test the system

11. Re-install the bed assembly cover panel and mattress.

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.

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