

INSTALLATION INSTRUCTIONS:

1. Removal

- 1.1. Remove fuse cover from front of bench seat
- 1.2. Turn off all breakers (batteries, DC panel, and solar/stock alternator)
- 1.3. Remove seat cushions and plywood to expose batteries
- 1.4. Remove 5 philips screws to release wooden panel from bench seat



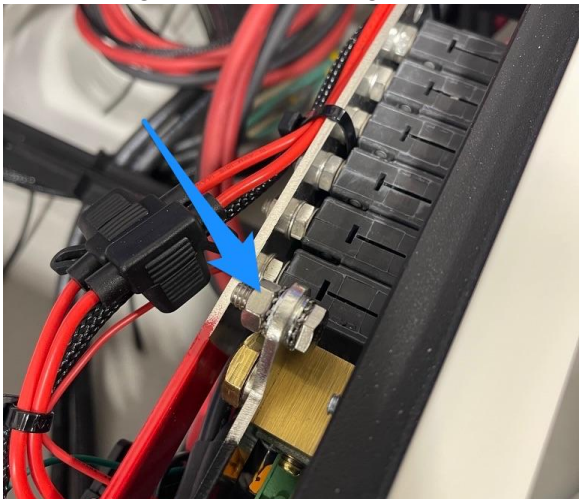
- 1.5. Lift wooden panel to unhook lower clips from frame



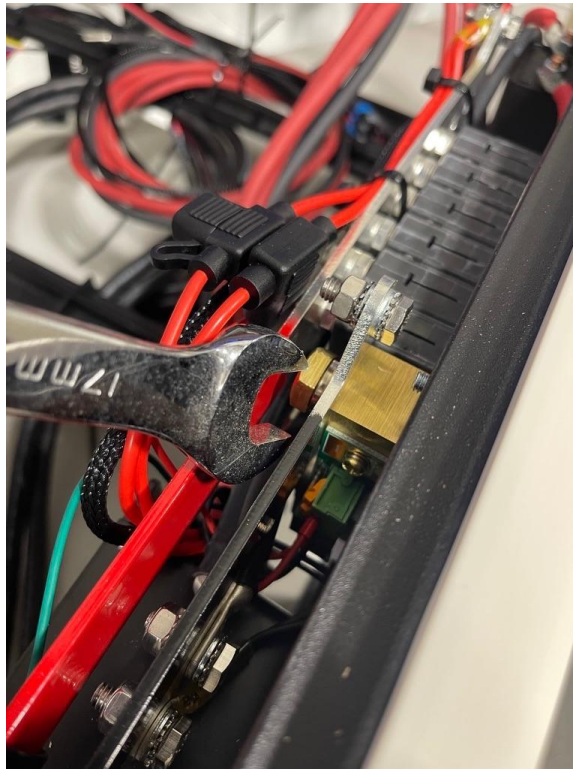
1.6. Rotate panel from under corner trim



1.7. Using two 7/16" wrenches, remove 4/0 ground wire from ground bus bar



1.8. Using a 17mm open ended wrench, loosen bolt holding negative bus bar to shunt



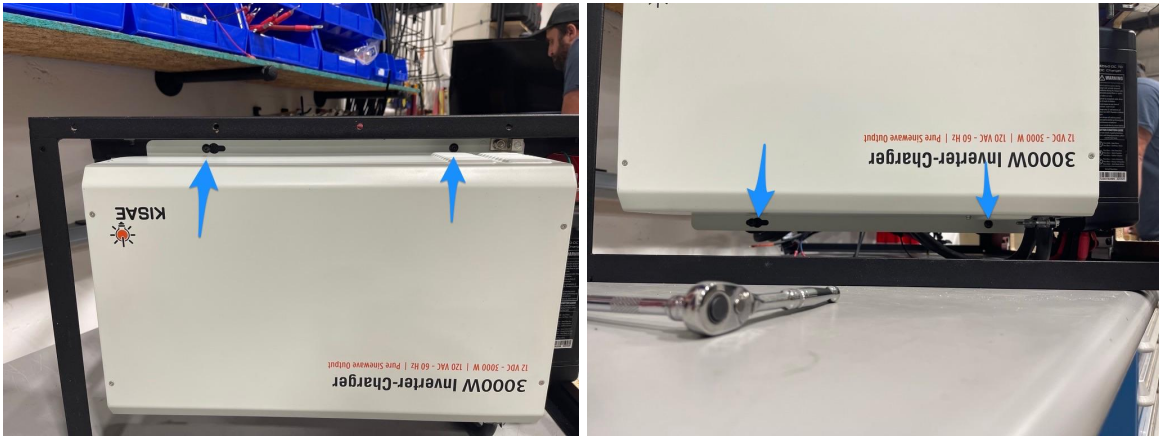
1.9. Using a 1/2" socket, remove nuts holding bus bars to inverter



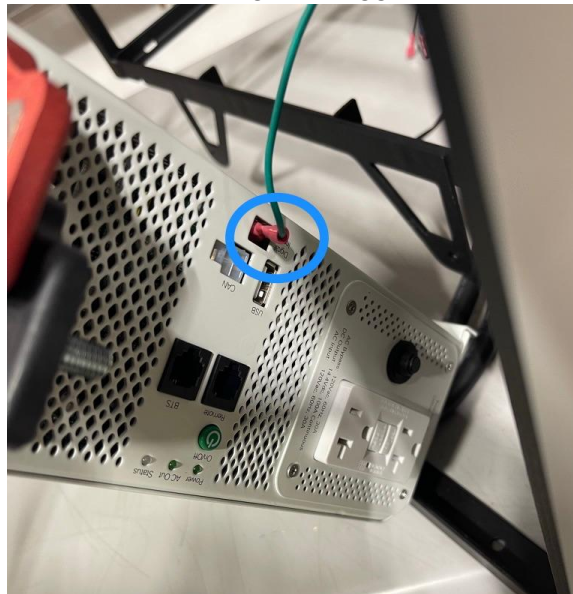
1.10. Push negative bus bar down and away off of the stud on the inverter



1.11. Using a good condition 1/8" hex wrench (better is a socket with extension), remove 4 bolts holding inverter to frame. **NOTE: if you use a ball end wrench or one that is NOT sharp, it runs a GREAT risk of stripping bolt heads making inverter removal very difficult.**



1.12. Lower inverter onto ground and remove green trigger wire from face on inverter



1.13. Lay the inverter on the floor with the outlet facing towards you



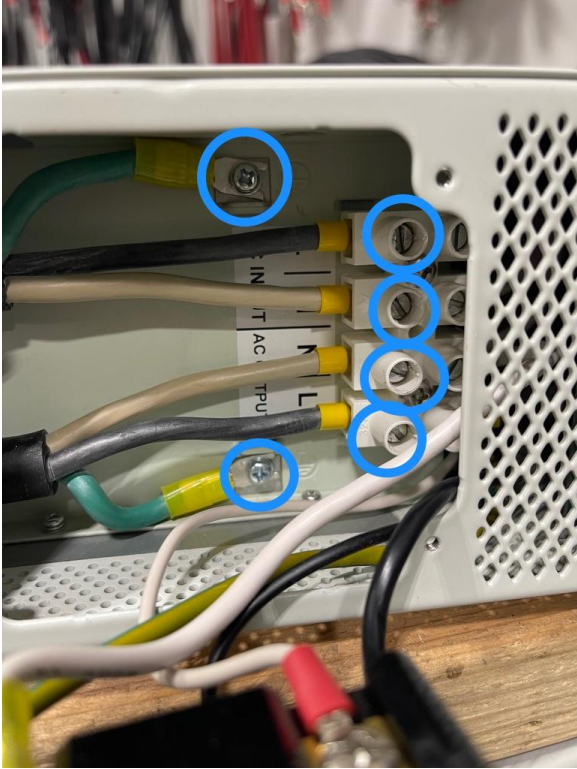
1.14. Using a #2 phillips screwdriver, remove the 4 phillips screws holding the GFCI outlet on the inverter



1.15. Mark the wires and note which one is which for reinstallation



1.16. Using a flat head and #2 phillips head screwdriver, loosen all 6 screws holding wires inside inverter



1.17. Using either a flat head screwdriver or number 2 square drive, loosen bolts on the clamps



1.18. Remove wire from inverter



1.19. Reinstall outlet cover with four phillips head screws

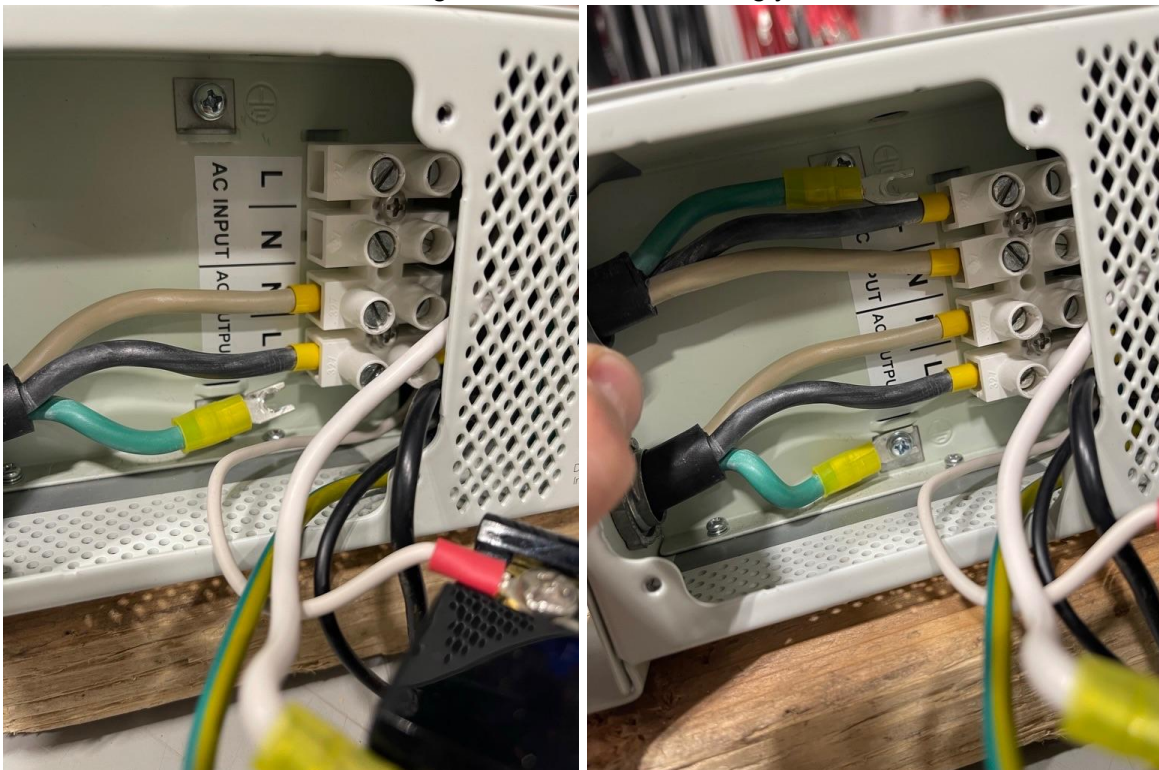


2. installation

2.1. Remove 4 screws holding outlet on inverter with #2 screwdriver



2.2. Slide in one wire at a time and tighten terminals accordingly



- 2.2.1. Be certain the correct wires go into the correct spot with previously marked wires
- 2.2.2. White wire goes to N for "Neutral"
- 2.2.3. Black wire goes to L for "Line"
- 2.2.4. Green wire goes under the phillips screw

2.3. Tighten strain relief connectors with a number 2 square drive or flat head screwdriver



2.4. Screw in top left screw into the frame 2-3 threads



2.5. Hold bus bars away and slide inverter into place



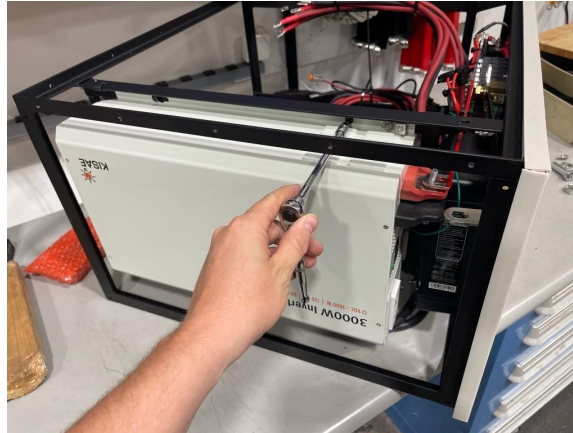
2.6. Connect green trigger wire into "Digital Input" slot on face of inverter



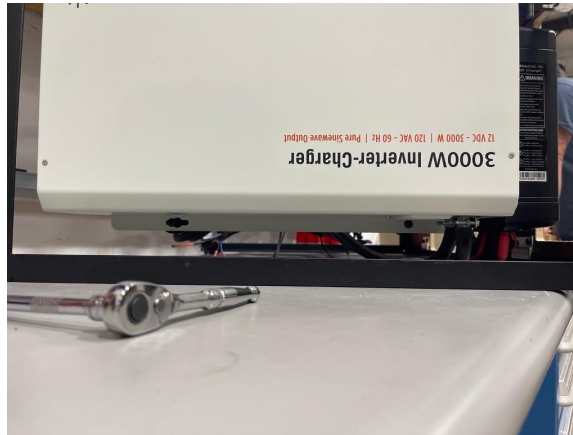
2.7. Slide inverter onto bolt threaded in in step 2.4



2.8. Screw in top right screw 2-3 threads when inverter is in place

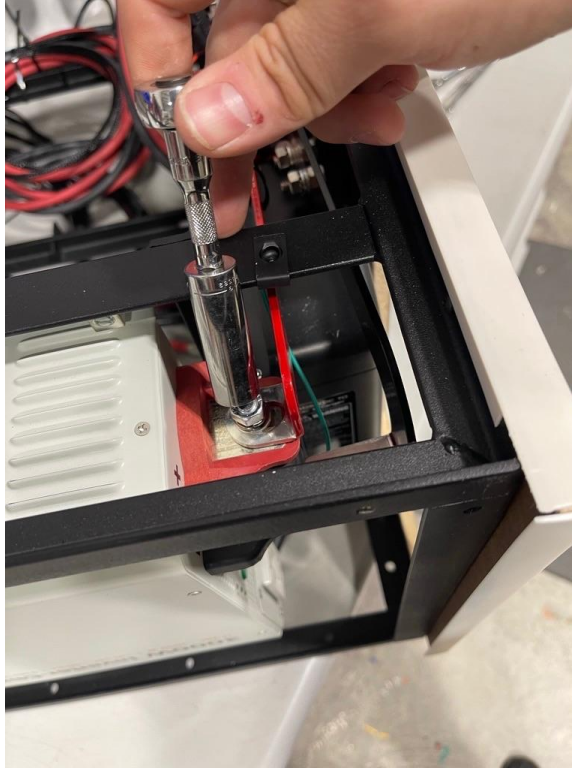


2.9. Screw in remaining bolts, lifting inverter if the holes do not line up



2.10. Tighten all four bolts to approximately 20 in lbs

2.11. Put flat washer, lock washer and nut holding on positive bus bar to inverter

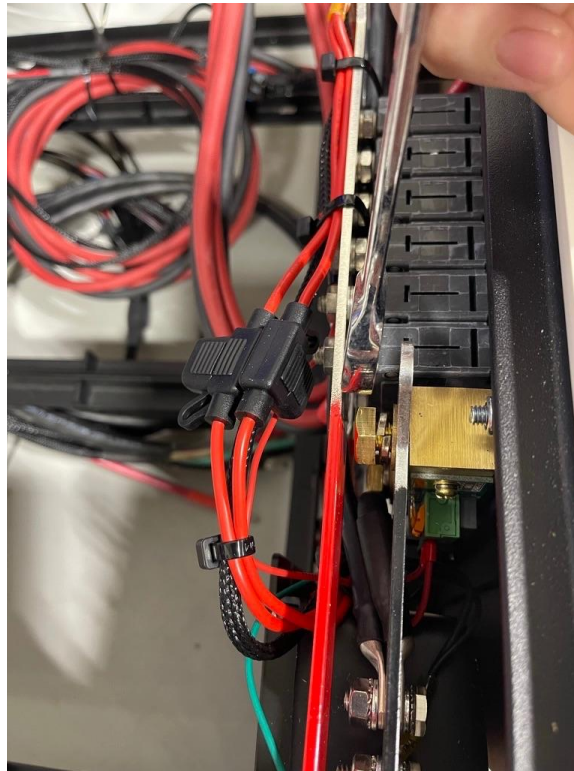


2.12. Slide negative bus bar to inverter and put flat washer, lock washer and nut on

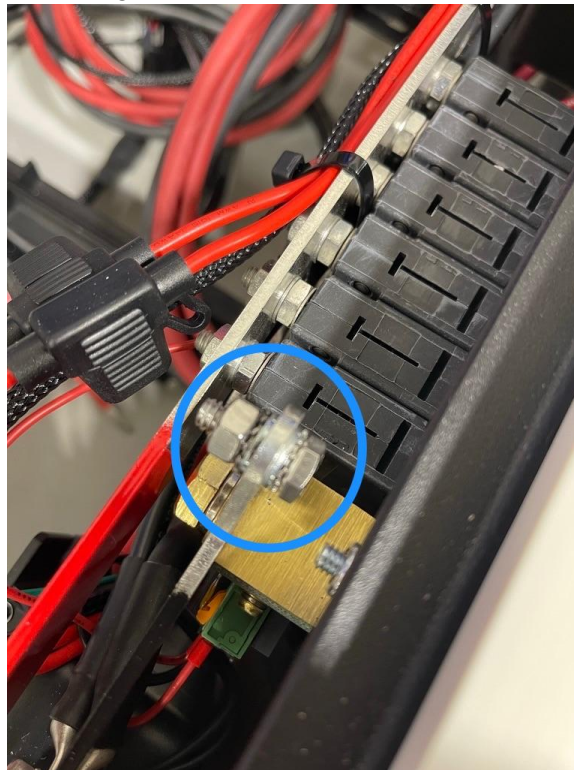


2.13. Tighten 1/2" nuts to approximately 10 ft lbs

2.14. Tighten 17mm bolt on shunt to approximately 10 ft lbs



2.15. Reinstall negative 4/0 onto negative bus bar (if equipped with second alternator)



2.16. Slide wooden panel behind corner trim while holding up top trim



2.17. Push wooden panel close to frame



- 2.18. Lift wooden panel and push in at the same time, when you feel the lower clips are clear, slide the wooden panel back down to the floor



- 2.19. Make sure the top trim is around the wooden panel and frame



- 2.20. Screw wooden panel to frame using the five #6 1/2" screws that came out
2.21. Push top trim back down in corner
2.22. Reassemble bench seat wood and cushions
2.23. Turn on breakers
2.24. Turn on inverter switch on wall panel and test function
2.25. Install fuse 32 and ground disconnect under dash