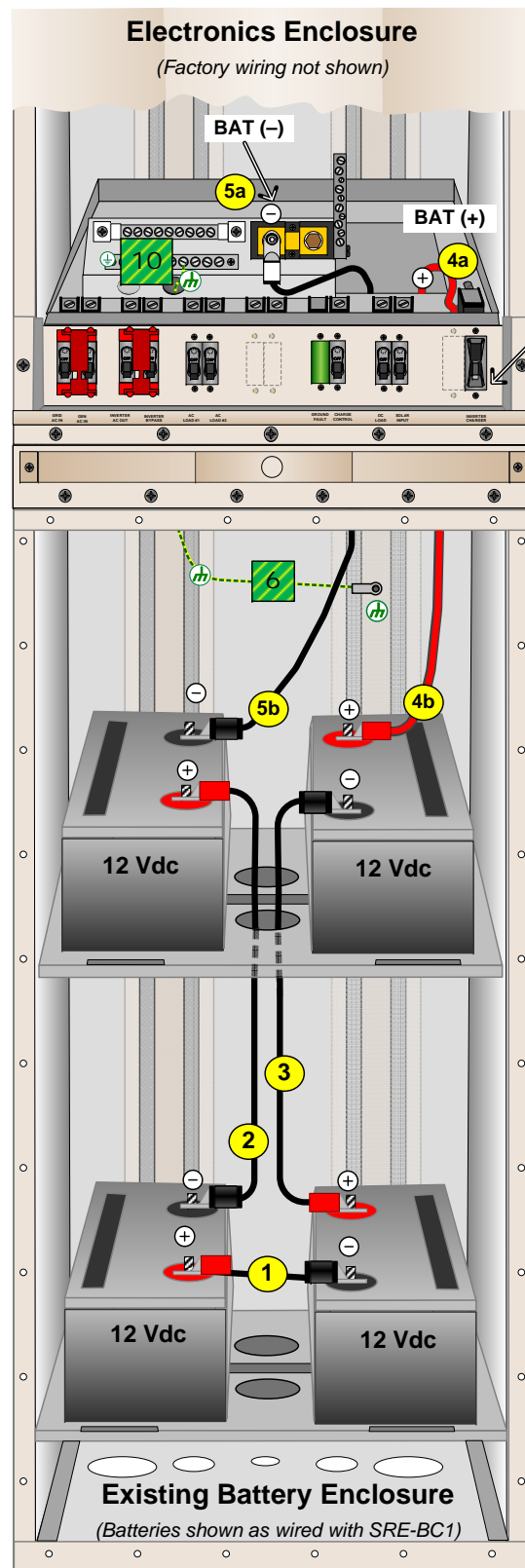


CAUTION: Equipment Damage

- See the SmartRE Installation Manual for detailed information on installing the battery cables, including torque requirements.
- Use a DC voltmeter to ensure correct voltage and polarity. Ensure the cables are placed in the correct order with other hardware.
- Failure to do so can damage the equipment and may not be covered under warranty.



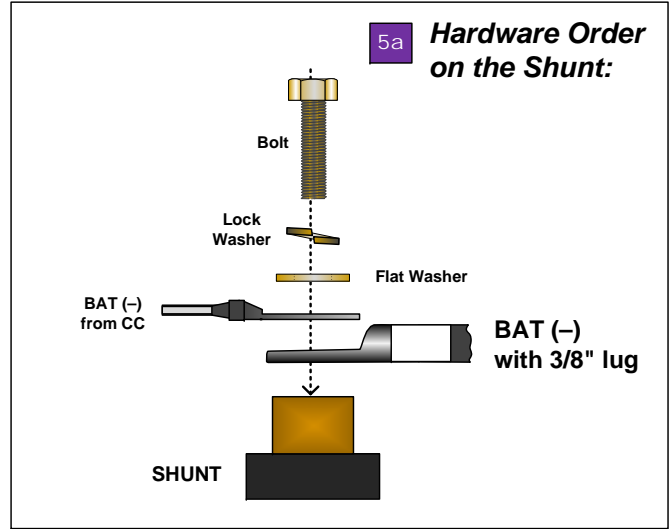
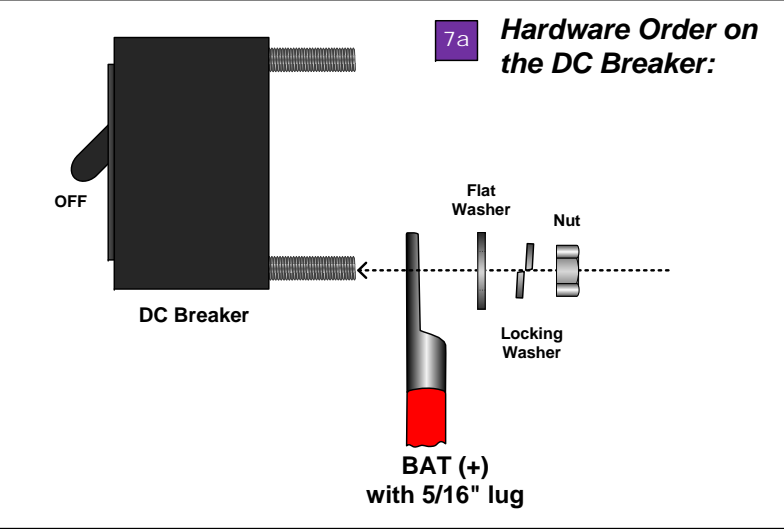
WARNING: Shock Hazard
Ensure the Inverter Charger Breaker is in OFF position BEFORE making connections.

Intended for use as a universal connection kit to add four 12V batteries to an existing bank of four 12V batteries in Series/Parallel, using a second SmartRE battery enclosure. The Electronics Enclosure must be stacked on top of the primary battery enclosure (as shown). Includes the following cables:

- 20" Black #1/0 AWG (x1) with 3/8" lugs on both ends
 - 30" Black #1/0 AWG with 3/8" lugs on both ends (x2)
 - 52" Black #1/0 AWG (x1) with 3/8" lugs on both ends
 - 65" Black #1/0 AWG (x1) with 3/8" lugs on both ends
 - 65" Red #1/0 AWG (x1) with 3/8" lugs on both ends
 - 94" Red #1/0 AWG (x1) with one 5/16" lug* and one 3/8" lug
- *attaches to DC Breaker*

NOTE:

1. All cable lengths measure "eye-to-eye".
2. No hardware for securing the cable to the battery is provided with this kit. Hardware (nuts, bolts, and washers) for securing the cable to the battery should comply with the specifications from the battery manufacturer.



Chassis Ground Conductor should already be in place

1 additional Ground Conductor will be needed



IMPORTANT: Grounding

- Battery Negative (-) to Chassis Ground Bond is done through the GFDI.
- Proper cabinet grounding may still be required. *Ground conductors are not provided with this kit.* Consult local electric code to ensure compliance.
- This is intended for a Negative Ground installation. Do not use in a Positive Ground installation.

IMPORTANT: All configurations must comply with local and national electric codes. Consult your local electric authority to ensure compliance. Actual wiring requirements may vary. Factory wiring is not shown.

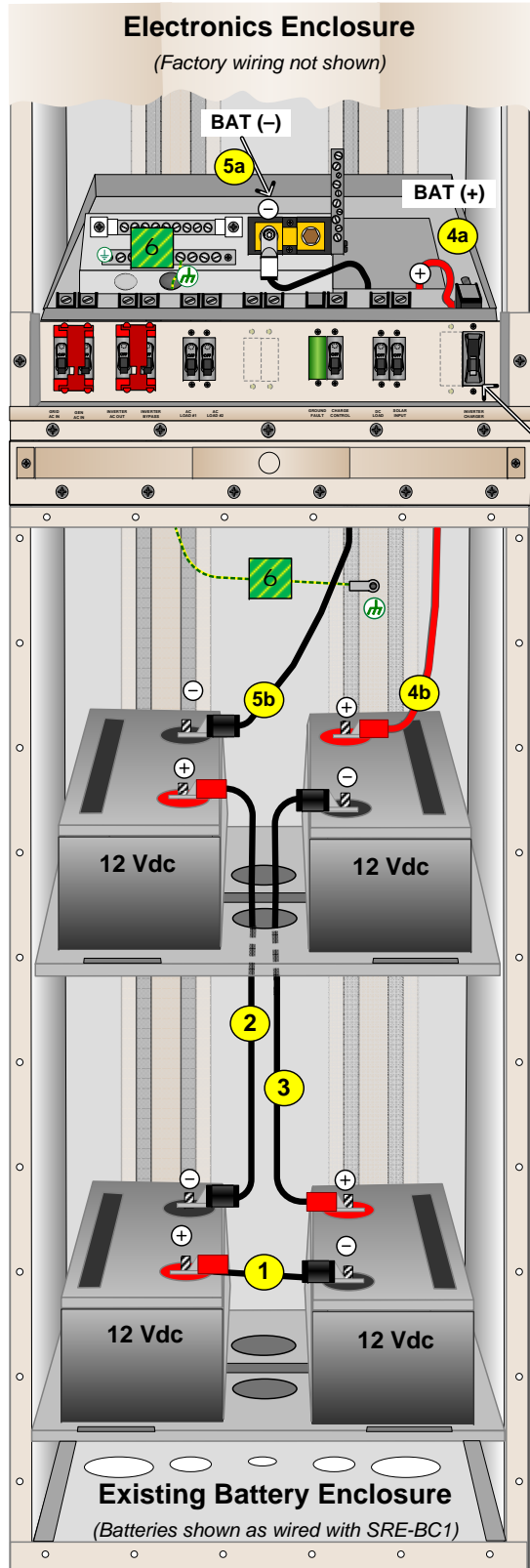
Step 1:

WARNING: Lethal Voltage

- Review the system configuration to identify all possible sources of energy. Ensure ALL sources of power are disconnected before performing any installation or maintenance on this equipment. Confirm that the terminals are de-energized using a validated voltmeter (rated for a minimum 1000 Vac and 1000 Vdc) to verify the de-energized condition.
- Do not perform any servicing other than that specified in the installation instructions unless qualified to do so or as instructed to do so by OutBack Power Systems Technical Support personnel.

CAUTION: Equipment Damage

- See the SmartRE Installation Manual for detailed information on installing the battery cables, including torque requirements.
- Use a DC voltmeter to ensure correct voltage and polarity. Ensure the cables are placed in the correct order with other hardware.
- Failure to do so can damage the equipment and may not be covered under warranty.



Step 1:
To prepare the existing installation for the addition of the 2nd Battery Enclosure:

1. Do NOT remove 6.
2. Remove 5b and 4b.
3. Remove 1 and save.
4. Do NOT remove 2 or 3.

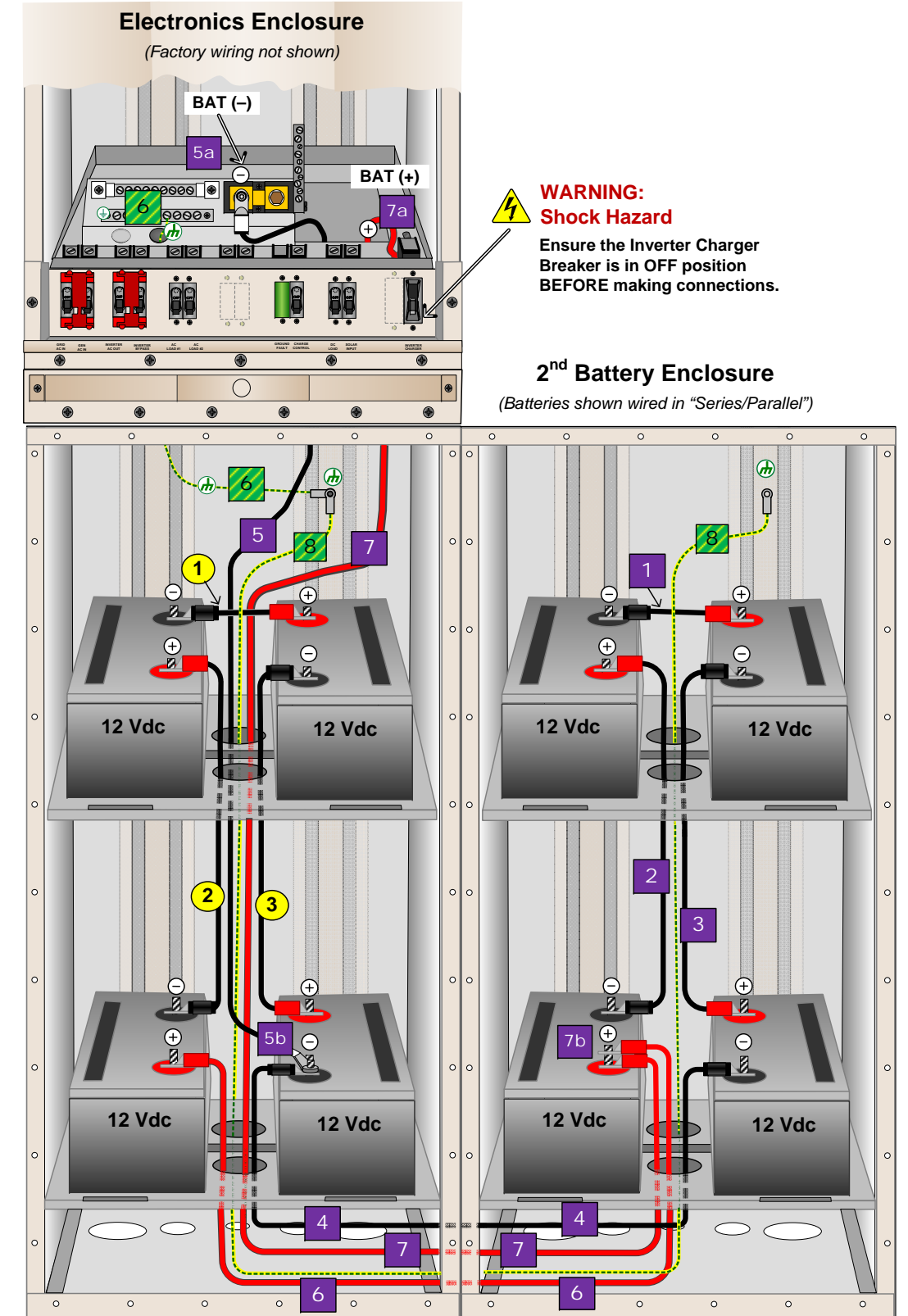
WARNING: Shock Hazard
Ensure the Inverter Charger Breaker is in OFF position BEFORE making connections.

Step 2:
To add the 2nd Battery Enclosure:

1. Add the Chassis Ground 8.
2. Connect 7a and 5a.
3. Do NOT connect 7b or 5b yet.
4. Relocate 1.
5. Connect 1 2 3.
6. Connect 4 6.
7. Then connect 7b.
8. Then connect 5b.

Existing Battery Enclosure
(Batteries shown rewired to Series/Parallel using SRE-BC4)

Step 2:



WARNING: Shock Hazard
Ensure the Inverter Charger Breaker is in OFF position BEFORE making connections.