FITTING INSTRUCTIONS

PART NUMBER: SLB001.

DESCRIPTION: SLB HARNESS SOLAR.

NOTES:

- This product must be installed exactly as per these instructions.
- The installation of this product may require the use of specialised tools and/or techniques.
- It is recommended that this product is only installed by trained personnel.
- These instructions are correct at the date of publication. ARB Corporation Ltd. cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer.
- During installation, it is the duty of the installer to check correct operation/clearances of all components.
- Ensure all electrical connections are correct and tight with good earth connection to the engine and/or chassis. Failure to do this may result in component failure or fire.
- Make sure all wires are securely fastened away from any hot, sharp or moving surfaces. Do not fasten any wires to the brake lines or fuel lines.
- Make sure that all electrical connections are strong and well insulated.
- Work safely at all times.

BOM.

Description	Quantity
4m Cable (Positive and Negative)	1
300mm Positive Cable	1
30amp Midi Fuse	1
Midi Fuse Holder + 2 Nuts	1
M8 Ring Terminals	2
Heat Shrink Red	1
Heat Shrink Black	1
Cable Ties	25
Anderson Plug Red	1
M3 Bolt	2
M3 Washer	4
M3 Nut	2
Grommet	1

Fastener Torque Settings.

SIZE	Torque Nm	Torque lbft
M5	6	4.5
M6	9	7
M8	22	16

Table 1.

ARB 4x4 ACCESSORIES

Corporate Head Office

42-44 Garden St
Kilsyth, Victoria
AUSTRALIA, 3137

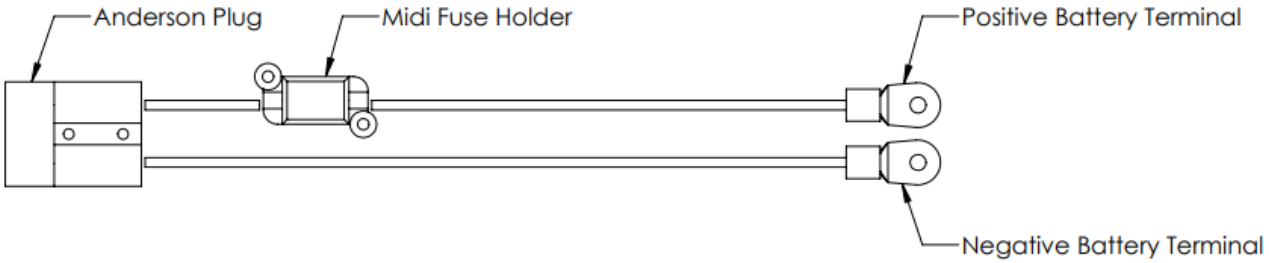
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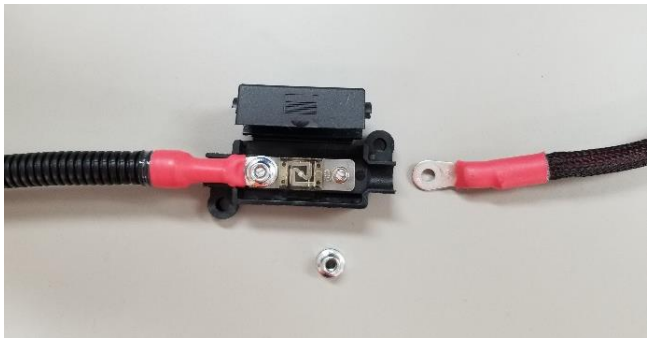
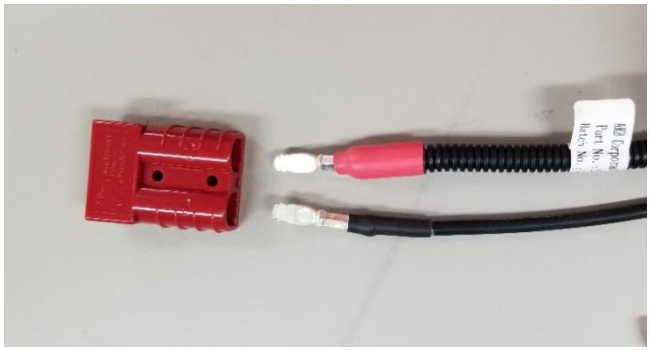
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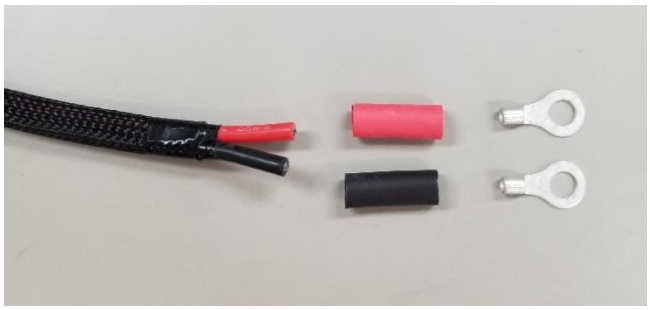
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	Do not pull on the wiring harness forcefully		Do not connect wiring harness to engine		Ensure all connections are tight and pushed home

FITTING PROCEDURE:



1. Install the secondary battery as per instructions supplied with battery. 2. Find a suitable location for the Anderson Plug. 3. Using the Anderson Plug as a jig, drill two 3.5mm holes through the Anderson Plug holes. 4. Using the supplied M3 bolts, Nuts and Washers, mount the Anderson Plug through the previously drilled holes. Note, the bolts are long enough to stack two Anderson plugs together. You may need to trim the bolts to suit one Anderson plug.	
5. In supplied kit, locate the Midi Fuse Holder, 30amp Midi Fuse, 300mm Positive Cable and 4m Cable. 6. Install the 30amp Midi Fuse into the Midi Fuse Holder. 7. Install the 300mm Positive Cable M5 ring terminal onto the Midi Fuse Holder terminal. 8. Install the 4m Cable (positive) M5 ring terminal onto opposite end of the Midi Fuse Holder.	
9. Take the Anderson terminal on the 300mm Positive Cable and push into the positive socket of the Anderson Plug. Ensure the terminal engages with the metal clip on the front side. 10. Take the negative Anderson terminal on the 4m Cable and push into the negative socket of the Anderson Plug. Ensure the terminal engages with the metal clip on the front side.	

11. Route the 4m Cable cable from the Anderson Plug location to the battery location. 12. At the battery end, determine the amount of cable required to connect the positive and negative wires to the battery.	
13. Cut the 4m Cable, positive and negative wires to the required length. 14. Push the Heat Shrink Red onto the Cable positive wire. 15. Push the Heat Shrink Black onto the Cable negative wire. 16. Crimp the M8 Ring Terminal onto the Cable positive wire. 17. Crimp the M8 Ring Terminal onto the Cable negative wire. 18. Cover M8 Ring Terminals with Heat Shrink and secure with heat.	
19. Connect the Cable positive ring terminal to the battery positive. 20. Connect the Cable negative ring terminal to the battery negative. 21. Torque fasteners to torque setting as per Table 1. 22. Ensure vehicle ignition is turned OFF (otherwise the battery may priority charge from the alternator). 23. Connect solar panel power source (sold seperately) to Anderson Plug Red. 24. Turn ON battery rocker switch (if applicable). 25. Check battery is charging via the solar input.	


ARB