



FITTING INSTRUCTIONS

PART NUMBER: SLBMK1.
DESCRIPTION: SLB MOUNT BRACKET UNIVERSAL.
SUITS ARB SLIMLINE BATTERY #SLB100A40.

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.

Part Number	Description	Quantity
37501244	Mounting Bracket	1
6151765	Bolt M8 x 65mm	4
6151579	Bolt M8 x 25mm	4
4581063	Washer M8	12
6151650	Screw M5 x 20mm	2
6151032	Nut Nyloc M8	4
4300100	Wiring Kit Batt Slimline Input	1

Fastener Torque Settings.

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

Table 1.

ARB 4x4 ACCESSORIES

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Do not pull on the
wiring harness
forcefully

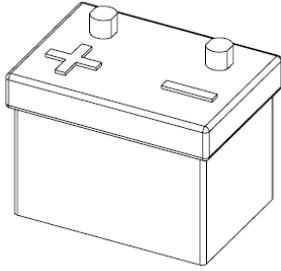
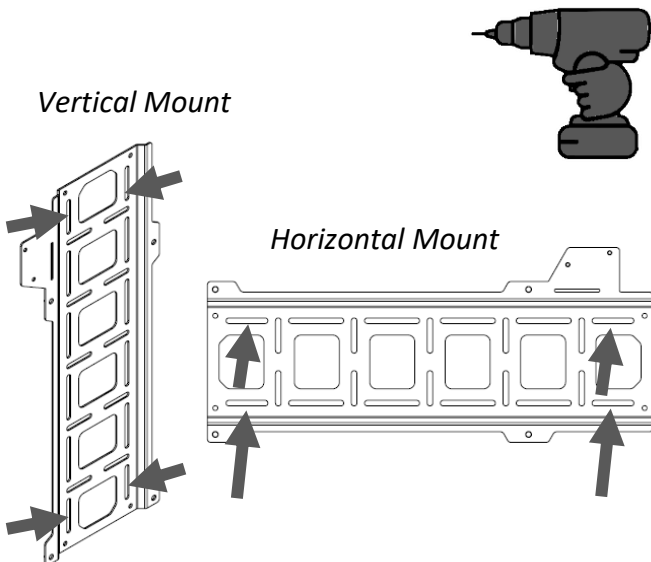
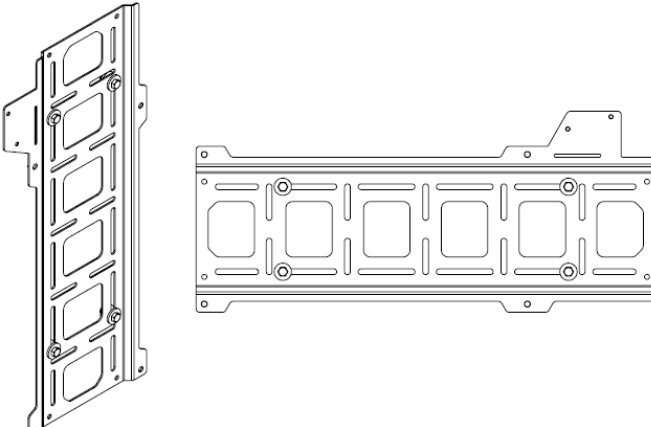
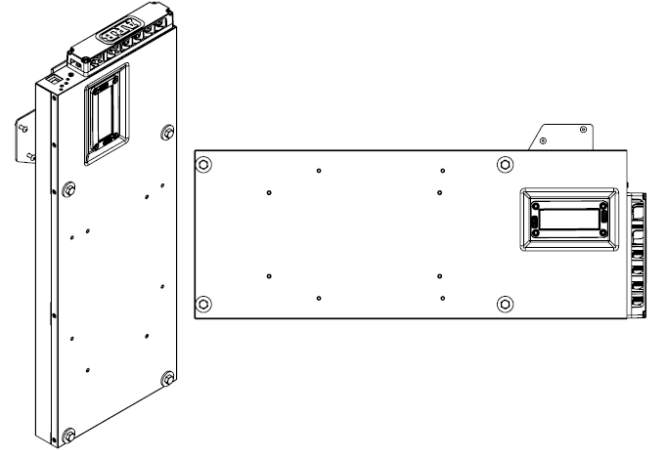


Do not connect
wiring harness to
engine



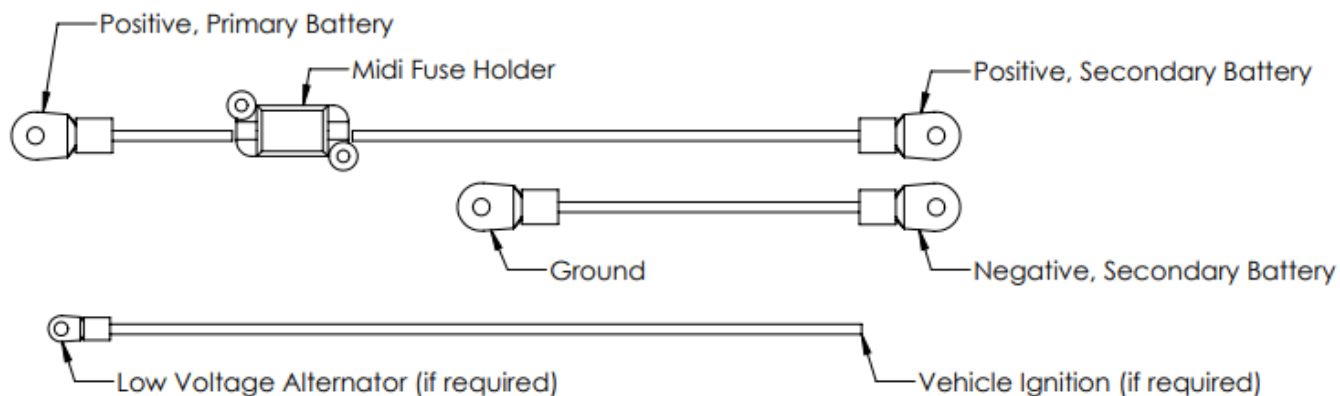
Ensure all connections
are tight and pushed
home

FITTING PROCEDURE:

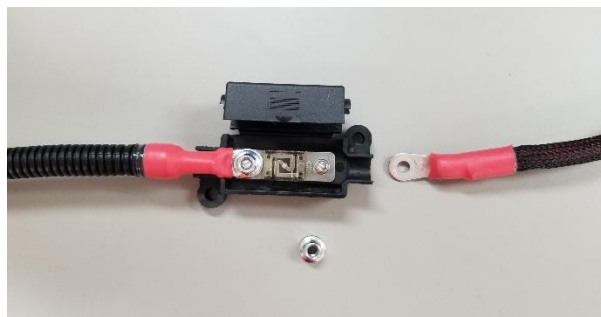
1. Disconnect the vehicle start battery negative (-ve) terminal, then the positive (+ve) terminal.	
2. Find a suitable flat and dry location on the vehicle for installation of the Mount Bracket. Using the Mount Bracket slots as a jig, drill four mounting holes (Ø8.5mm to suit M8 bolts) into a secure mounting structure on the vehicle. Ensure there is clearance behind the holes for bolt clearance, the supplied bolts are 25mm long. Note, the mounting bracket has various vertical and horizontal slots for fastening, and can be mounted in either the vertical or horizontal orientation as shown.	 <i>Vertical Mount</i> <i>Horizontal Mount</i>
3. Use the supplied Bolts M8x25mm, Washers and Nuts to secure the Mounting Bracket into the previously drilled location. Tighten fasteners to torque as per Table 1.	
4. Position the ARB SL Battery onto the Mounting Bracket and secure with Bolts M8x65mm and Washers. Tighten fasteners to torque as per Table 1.	

HARNESS INSTALLATION

#4300100 Wiring Kit Batt Slimline Input.



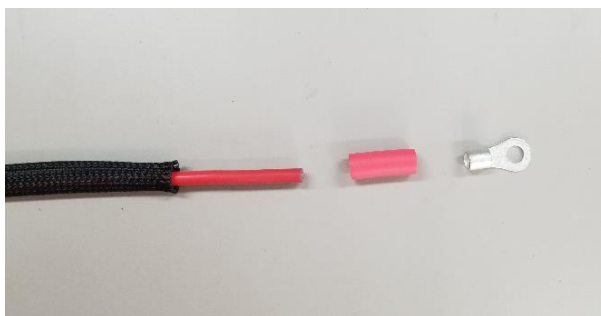
5. In the harness kit, locate the Midi Fuse Holder, 60amp Midi Fuse, 300mm Positive Cable and 6m Positive Cable.
- Install the 60amp Midi Fuse into the Midi Fuse Holder.
- Install the 300mm Positive Cable M5 ring terminal onto the Midi Fuse Holder terminal.
- Install the 6m Positive Cable M5 ring terminal onto opposite end of the Midi Fuse Holder.

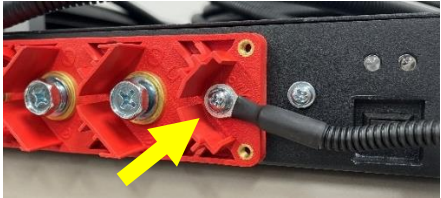
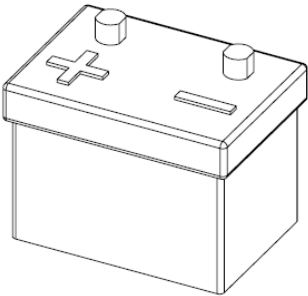


6. Route the 6m Positive Cable from the vehicle battery to the ARB SL Battery.
- At the ARB SL Battery end, determine the amount of cable required to connect the 6m Positive Cable to the ARB SL Battery.
- Cut the 6m Positive Cable to the required length.



7. Push the Heat Shrink Red onto the Positive Cable.
- Crimp the M8 Ring Terminal onto the Positive Cable.
- Cover M8 Ring Terminal with Heat Shrink Red and secure with heat.
- Connect the M8 Ring Terminal to the ARB SL Battery alternator input labelled "Alt +".
- Secure cable with supplied cable ties.



8. Find a suitable ground point on the vehicle body or chassis near the ARB SL Battery. Route the 1.2m Ground Cable from the ground point to the ARB SL Battery. Cut the 1.2m Ground Cable to the required length.	
9. Push the Heat Shrink Black onto the Ground Cable. Crimp the M8 (or M12) Ring Terminal onto the Ground Cable. Cover Ring Terminals with Heat Shrink Black and secure with heat. Connect the Ring Terminal to the ARB SL Battery alternator negative with label "Alt -". Connect the opposite end of the Ground Cable to the suitable ground point. Secure cable with supplied cable ties. Torque fasteners to torque setting as per Table 1.	
10. For low voltage alternator vehicles, connect the 6m Low Voltage Alternator ring terminal to the low voltage battery terminal. Connect the opposite end of the wire to the vehicle ignition circuit. Secure cable with supplied cable ties.	 
11. Connect the 300mm Positive Cable M8 ring terminal onto the vehicle start battery positive terminal. CAUTION: Ensure the 60amp midi fuse is installed at the vehicle start battery end, not the ARB SL Battery end. Reconnect the start battery positive (+ve) terminal, then the negative (-ve) terminal.	

TESTING

12. Turn ON Slimline Battery rocker switch.

Check App Connectivity. Connect to the Slimline Battery and confirm the battery status is available via the App.

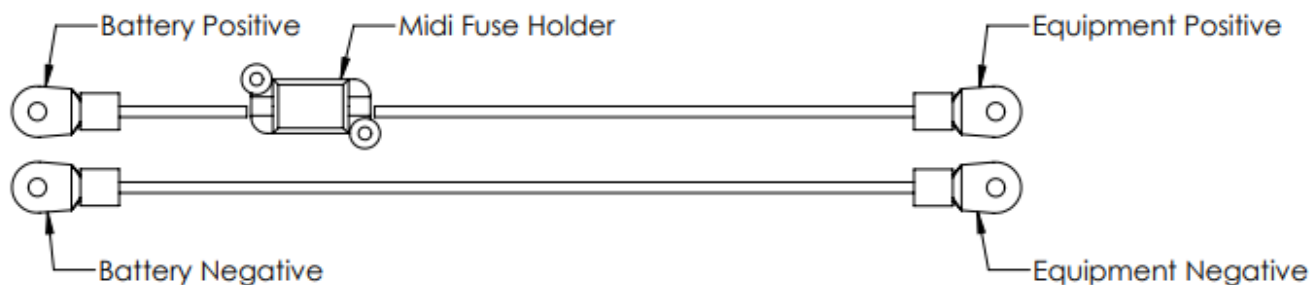
Check LED indicator. The Green LED should illuminate Solid to indicate full charge, or flash (1 flash / 10sec) to indicate the idle state.

Check Vehicle Charging. Start the vehicle engine, the Green LED should flash (2 flashes / 5 sec) to indicate the battery is charging.



POWER OUTPUT CABLES (SOLD SEPARATELY).

ARB recommend installation of #4300110 for power supply to equipment.



13. Follow instructions supplied with ARB harness #4300110.

14. The #4300110 midi fuse holder can be installed on the Mount Bracket as indicated. If fitted, use supplied Screws M5.

When this fuse holder mount is not required, the Mount Bracket can be cut to remove this feature as shown.

