



FITTING INSTRUCTIONS

PART NUMBER: SLB38010.

DESCRIPTION: SLB MNT KIT SUIT NAVARA 21+

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
3755965	Mounting Bracket Navara 21+	1
6152273	Nutsert M8	2
6151579	Bolt M8 x 25mm	2
6151765	Bolt M8 x 65mm	4
6151180	Bolt M6 x 20mm	1
4581302	Spacer 4mm	3
4581044	Washer M8	6
4584369	Washer M6	1
6151650	Screw M5 x 20mm	2
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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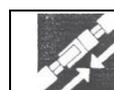
www.arb.com.au



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 start battery negative (-ve) terminal, then the positive (+ve) terminal.
2. Lift the seat base to gain access to the seat retaining bolts.
3. Remove two seat retaining bolts.
4. Lift seat to remove.
5. Stow seat forward to gain access to the rear cabin wall.

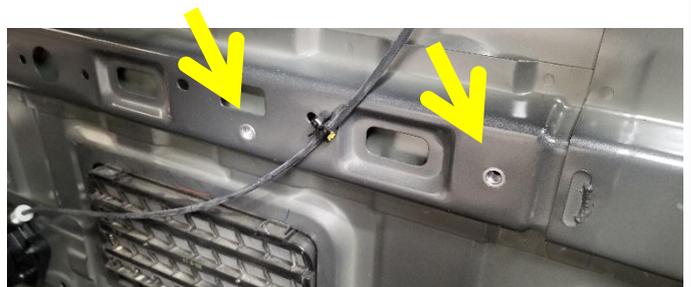


6. Pull upper plastic trim panel forward to disconnect all clips. The panel does not require complete removal, leave panel loose to allow fabric trim to be removed.
7. Remove all retaining clips securing the fabric trim.
8. Disconnect fabric trim from beneath plastic trim. The panel only requires disconnection of the passenger side fabric trim. Fold back to gain access to the rear cabin wall.



9. To install the Nutserts M8, drill out two existing holes on the crossmember as shown in images.
10. Take the supplied Nutserts M8 and install in the drilled cabin holes.

For M8 nutsert, recommended drill size $\varnothing 11.0\text{mm}$.



11. Disconnect wire connector from the rear window motor.
12. Remove three retaining screws from motor.
13. Leave motor hang from later installation onto the Mounting Bracket.



14. The fabric trim can now be reinstalled. Unfold and reinstall the fabric trim.
15. Install all plastic retaining clips.
16. Install the upper plastic trim panel.



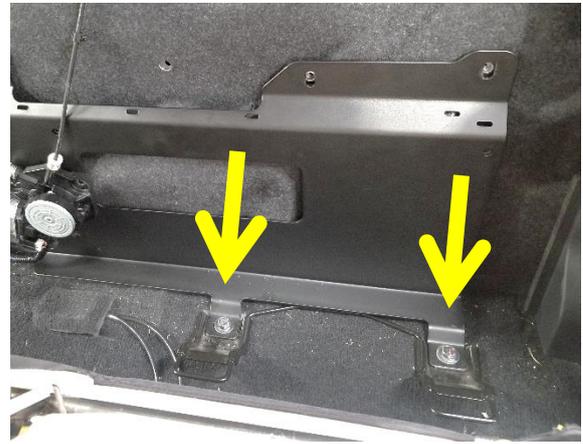
Installation of power output cables (sold separately).

Note, it is easier to route the 4.0m twin cable now before the Mounting Bracket is fitted.

17. For this vehicle, ARB recommend the power output cables exit the vehicle right hand side rear cabin wall grommet. Alternatively, there is a sister grommet on the opposite side of the rear cabin wall. Cut hole in grommet and route 4.0m twin cable through grommet.



18. Remove retaining bolts from the passenger side lower seat support.
19. Install Mounting Bracket onto the lower seat support and secure with original vehicle bolts.
20. Torque to required torque setting as per Table 1.

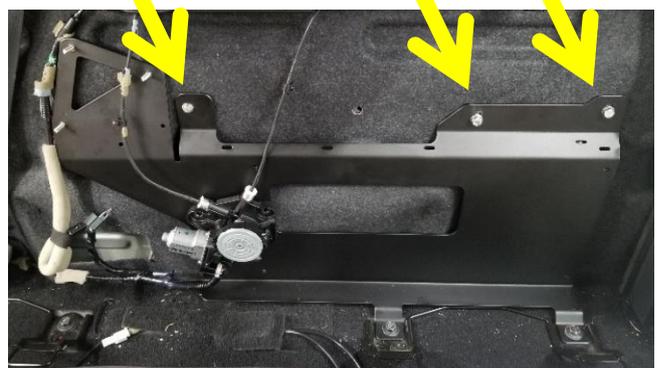
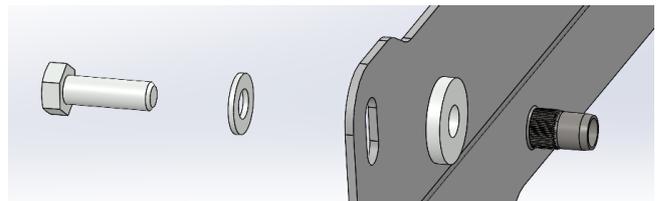


21. Cut three holes in the fabric trim where the Mounting Bracket fasteners will be installed. The holes should be large enough for the M8 spacers to contact the vehicle rear cabin wall.

IMPORTANT. Metal to metal contact is important to ensure the fasteners will not loosen.



22. Install supplied Bolts M8x25mm and Washers M8 through two nutsert Mounting Bracket holes, install Spacers 4mm between Mounting Bracket and vehicle rear cabin wall.
23. Install supplied Bolt M6x20mm and Washer M6 through the third Mounting Bracket hole, install Spacer 4mm between Mounting Bracket and vehicle rear cabin.
24. Torque to required torque setting as per Table 1.



25. Relocate rear window motor to top section of the Mounting Bracket.
26. Secure with original vehicle M6 nuts.
27. Torque to required torque setting as per Table 1.
28. Loop motor cable behind Mounting Bracket and reconnect the wire connector into the motor. The wire harness will need to be pulled out from the floor carpet to gain enough length.



29. To install ARB Slimline battery (sold seperately), place Slimline battery on Mounting Bracket.
30. Install the four Bolts M8x65mm and Washers M8 into the battery mounting holes.
31. Torque to required torque setting as per Table 1.



32. Ensure the slimline battery rocker switch is OFF before the harness installation.
33. Locate fuse holder, 60amp fuse, 300mm cable and 6.0m cable from kit.
34. Install the 60amp fuse into the holder.
35. Install the 300mm cable M5 ring terminal onto the fuse holder.
36. Install the 6.0m cable M5 ring terminal onto opposite end of fuse holder.



37. Route 6.0m cable from vehicle start battery, through the firewall grommet, beneath door sill panels to the slimline battery.
38. Take M8 ring terminals from kit. Cut positive 6.0m cable to required length and crimp the M8 ring terminal onto the cable. Cover with supplied red heat shrink.
39. On battery terminal block, remove fastener labelled "Alt +" and install the positive ring terminal onto the terminal block.
40. Torque to required torque setting as per Table 1.

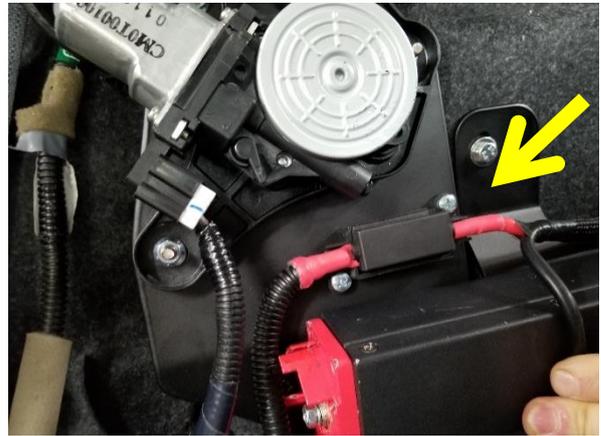


41. Locate 1.2m cable with ring terminal from kit.
42. On slimline battery terminal block, remove fastener labelled "Alt -" and install the negative ring terminal onto terminal block.
43. ARB recommend the ground terminal be installed on the seat mounting bracket bolt as indicated.
44. Cut negative cable to required length and crimp the M8 ring terminal from kit onto the cable. Cover with supplied black heat shrink.
45. Remove seat mounting bracket bolt and install M8 ring terminal with cable. Secure with original fastening bolt and washer.
46. Torque to required torque setting as per Table 1.
47. Install the positive 300mm cable M8 ring terminal on the vehicle start battery.



Installation of power output cables (sold seperately).

48. Locate fuse holder, 60amp fuse, 300mm cable, 4.0m twin cable from kit.
49. On battery terminal block, remove fastener labelled "Output +" and install the positive 300mm cable ring terminal.
50. On battery terminal block, remove fastener labelled "Output -" and install the 4.0m negative cable ring terminal.
51. Torque all to required torque setting as per Table 1.



Low Voltage alternator connection.

For this vehicle, its not necessary to connect the Low Voltage terminal to a vehicle ignition source. However, if connection is preferred, complete the Steps below.

52. In the supplied wiring kit, locate the 6.0m blue wire, connect the ring terminal to the Low Voltage terminal as shown.
53. Route the blue wire to a suitable vehicle ignition source and connect accordingly. A suitable ignition source maybe a DC socket or fuse tap into the fuse box.



54. Reconnect the start battery positive (+) terminal, then the negative (-) terminal.
55. Turn ON Slimline Battery rocket switch.
56. Check App Connectivity. Connect to the Slimline Battery and confirm the battery status is available via the App.
57. Check LED indicator. The Green LED should illuminate Solid to indicate full charge, or flash (1 flash / 10sec) to indicate the idle state.
58. Check Vehicle Charging. Start the vehicle engine, the Green LED should flash (2 flashes / 5 sec) to indicate the battery is charging.
59. Reinstall vehicle rear bench seat.

