

Behind Seat Dual Battery Mounting Instructions BT-50/Dmax 2020 Onwards

While all care has been taken to prepare these instructions any damage done to your car is YOUR responsibility and Accelerate Auto Electrics can not be held liable. If you are unsure about ANYTHING feel free to call us on 07 5479 6652 and we will be happy to answer any questions.

Anderson Plugs-

All the Anderson Connections have been supplied with the terminals crimped on but the plugs are not clipped in, this is to allow you to pass all the wires easily through the grommets etc.

When fitting the plugs you will notice that the 'Top' of the plug has the Anderson branding on it and a + and - markings.

The Terminals have an A stamped on them, this A goes to the top as well.

To fit the plug put the red wire in the round + hole and push it in until it clicks. If you look in the front of the plug you will see the terminal is all the way to the front and is retained at the bottom by the metal spring plate.

Put the black wire in the - hole and push it in until it clicks. If you look in the front of the plug you will see the terminal is all the way to the front and is retained at the bottom by the metal spring plate.

Before starting this job disconnect the battery from the negative side and insulate so it does not fall back onto the neg terminal.

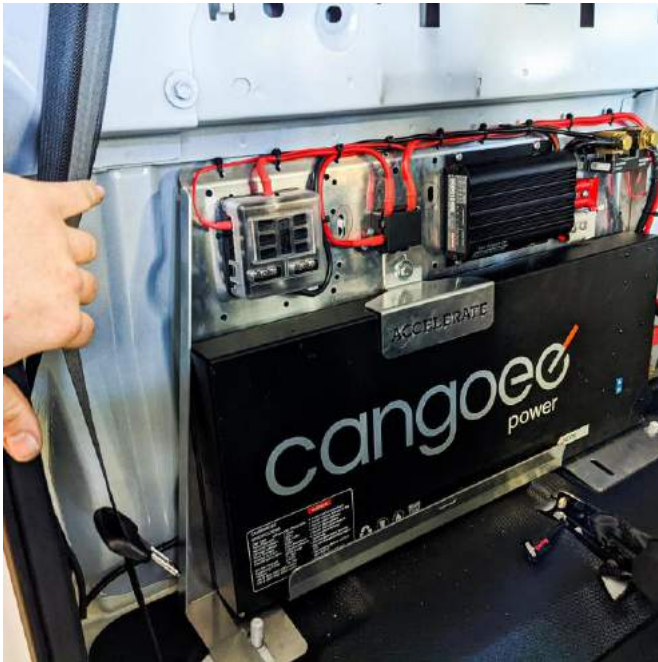
Installation Instructions:

Please read these fully and ensure you understand all steps before starting!

1. Disconnect start battery.
2. Remove the rear seat. 3 x 17mm nuts at rear and 3 x 14mm bolts at the front. Remember to disconnect the plugs on each side of the seat.
3. Remove jack and tools from rear wall.
4. Remove floor sill panels on passenger side and rear drivers side. Remove the passenger kick panel. Remove rear wall trims. Remove carpet.
5. Nutsert factory hole as pictured.



6. Put your assembled battery tray with the lithium battery in the rear of the vehicle.

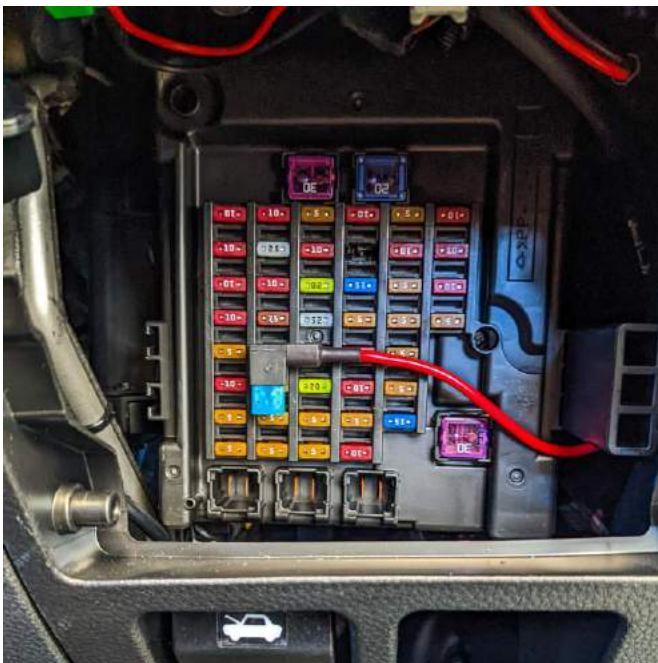


7. Run input loom from engine bay, down passenger side to rear of vehicle following factory wiring looms as best as possible.

8. Run ignition loom from drivers side to passenger then follow the input feed to the rear.

9. Plug in grey Anderson input and red terminal for ignition feed.

10. Push fuse tap in as pictured (note orientation).



11. Secure wiring accordingly.

12. Put all panels and carpet back on in reverse. Trim carpet and rear panels to suit if desired.



13. Refit rear seat, tighten bolts and plug in seat sensors. NOTE* The foot of the battery tray on the driver's side fits under the foot of the seat and over the foot of the seat on the passenger side.



14. Bolt tray to rear wall via installed nutsert.



15. Connect the main fuse to the battery as pictured. Connect earth wire to battery or suitable body location.



16. Reconnect start battery.

17. Test system.

Kit inclusions

1 x Front Battery harness with Midi Fuse
1 x Battery Bracket with fuse box, red Anderson, grey Anderson, and rear harness prefitted
1x Battery charger
1 x Ignition trigger loom with fuse tap
1x wiring loom for selected socket box option
1 x Accessory Box
3 x Anderson Plugs
(Front battery harness, socket box and socket box harness)
1 x 25mm M6 bolt for tray
1 x 16mm M6 bolt for battery hold down
2 x M6 washers
1 x Nutsert tool
1 x Nutsert for rear wall
8 x screws for Accessory Box (4x 16mm and 4x 30mm)
1 x M8 nut for earth behind tail light
Cable ties x 100

Tools and consumables needed

Side cutters
Knife
Nutsert tool
10mm socket and ratchet
12 mm socket and ratchet
Trim tools
17mm deep socket and ratchet
14mm socket and ratchet
Drill
Phillips bit
3mm drill bit

Rear Socket Instructions

PLEASE NOTE, THE REAR HARNESS CONSISTS OF A 6MM RED & BLACK TWIN CORE CABLE TERMINATED WITH EYELETS ONE END & ANDERSON PLUG PINS THE OTHER. BOTH ANDERSON PLUG PINS ARE POSITIVE FEEDS. THIS IS SO THE SOCKETS IN REAR CAN BE RAN ON 2X INDEPENDENT CIRCUITS FOR CORRECT PROTECTION.

1. Route Rear Harness from 6 way Fuse box to Passenger side of vehicle and out the grommet located on rear wall next to the Jack location..You will require to make a small incision with a knife through the grommet. **Ensure to seal grommet with a Silicone sealer for water tightness.**



PLEASE NOTE DO NOT RUN CABLING OUT OF FUEL PULLER CABLE IF FITTED GROMMET DUE TO POSSIBILITIES OF WATER INGRESS.

2. Follow the factory wiring harness & fuel lines on the passenger side of the vehicle to the Rear taillight. Securing every 300m with supplied Zip Ties.

3. FOR VEHICLES WITH TRAYS

Find a suitable Mounting location between Tray and Cab of vehicle as needed. **require extending depending** under vehicle and secure according to



harness up between Tray of the socket box. **(This may require extending depending on all excess harness cabling**

4. FOR VEHICLES WITH TUBS

Remove Passenger Side tail light gate. Once These Phillips Head screws are removed from the vehicle while wiggling the whole TIGHT FROMM FACTORY.



screws on the inside of the tail light gate. They are generally tight towards the rear of the vehicle. **NOTE THEY ARE GENERALLY**

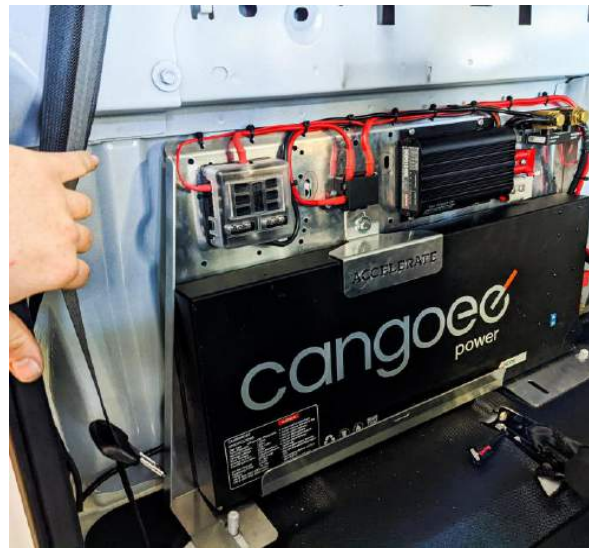
5. Find a Suitable mounting location on the Passenger / Drivers side of the tub (As specified when order placed). remove the cover of the Socket box and use 4x supplied Screws (16mm or 30mm depending on tub liner fitted or not) & mount as needed. PLEASE NOTE, Wiring Harness out of the Socket Box must face towards the Rear of the vehicle. (heading towards tail light)

PLEASE NOTE SOCKET BOX option 1 Pictured. If option 5 selected EXTRA Red Anderson solar harness is required to be installed in the same Manner. Mounting locations & Tub Liners may Vary from below Photo.

Harness To Tail Light



6. Drill Hole behind tail light to fit harness into tub. Route Harness to Socket box & connect Grey anderson plugs together. **REMEMBER THESE ARE YOUR POSITIVE FEEDS IN ANDERSON PLUG** Earth Socket Box Earth terminal to Bolt behind the lower section of the Taillight with supplied M8 Nut. Route harness up behind tail light and into tub. Seal hole if you see fit with Silicone.
7. Once the Socket box is terminated and mounted, return to behind the rear seat and route the Harness to the 6 Way fuse box on the behind seat battery assembly. Route the cabling under the rear carpet & secure to the existing harness on the battery tray using the supplied zip ties.
Connect the RED & BLACK Wire to the 6 way fuse box fuses outlets THEY ARE BOTH POSITIVE FEEDS TO REAR. PLEASE NOTE FUSE SIZING PRE LOADED MAY NOT BE ACCEPTABLE FOR YOU APPLIANCES. PLEASE CHECK APPLIANCE RATING AND FUSE ACCORDINGLY. CABLING RATED TO 30 AMP.



(The spare outputs in the fuse box can be used for other accessories not included in the kit if required, The fuse box is also fitted with a negative bus bar as needed)

8. Test operations of Sockets in rear & Enjoy Cold Beer.