

## 79 Series Behind Seat Instructions

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### **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.

### **Nutserts and installation-**

You will notice we have set up the tool ready for the first installation.

To use the tool, place the nutsert in your hole, place a 13mm spanner on the nut. With that hand hold the spanner and the metal tool in one place

With your other hand place a 10mm spanner on the bolt and turn clockwise until the Nutsert squashes up and is retained.

DO NOT overtighten, when you fit the brackets etc you can use that opportunity to really crush up the nutsert, go easy on them when installing so you don't damage them. We have given a few extras in case you need to remove any and start again. Feel free to practice with one on a spare bit of steel.

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

1. Fold rear seat forward & fold carpet back as pictured. Remove trims on the driver's side of the vehicle by pulling upwards to unclip them.



2. Run the Start battery input harness from the start battery, along the firewall to the drivers side of the vehicle & underneath the vehicle to the rear grommet as pictured. Once at the grommet put a small cut in the grommet with a stanley knife & feed the cabling through until the conduit is touching the grommet. Zip tie the harness following the existing harness back to the start battery.



3. Once the input cabling is inside the rear of the vehicle you can terminate the Anderson plug connection.

3a. Utilising the same grommet feed the solar harness & output harness through this grommet. Run it to the Drivers / Passenger side of the tray & secure wiring as required with zip ties. 3

4. Once you have all 3 cables coming through the grommet you are going to have to modify the plastic lid inside the cab as you can see in the photo. Cut the corner off so the new cabling is able to sit flush with the floor & lid. Secure harness as shown.



5. Run the ignition harness inside the cab under the drivers side trims & across under the dash to the passengers side fuse box. Remove the cover & locate the 15amp fuse in the 4th row down as shown. Remove this fuse fitting it into piggyback holder & fitting the piggyback holder in its place in the fuse box.





6. Once all wiring is run, carry out the fitment of the battery tray behind the rear seat.

Fit the base tray right angle bracket as pictured. Measure 110mm from the back wall on the first ridge & drill with a 10mm drill bit to suit a M6 nut insert. Once drilled apply some silicone around the nut insert prior to bolting down the bracket to ensure it is sealed. Fit bracket with M6x16mm bolt & spring washer.



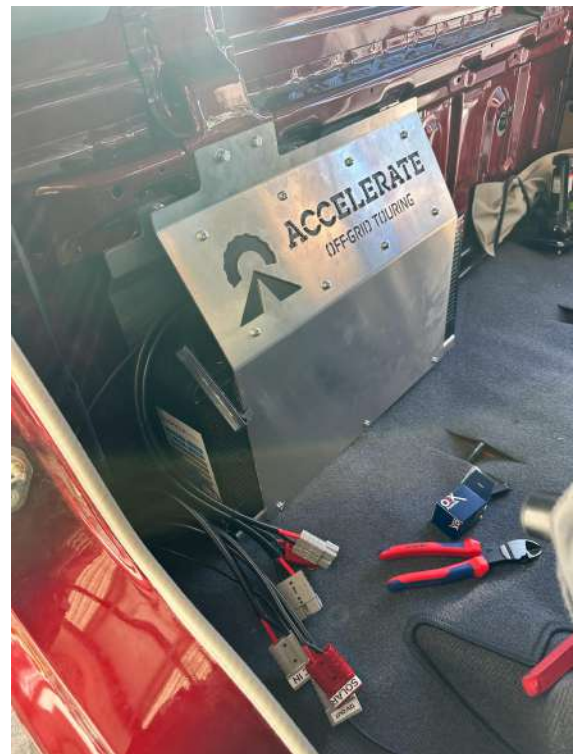
7. Line up the tray with the factory holes on the drivers side, Dummy fit it holding it in place to mark out where to drill to suit. Once marked using a 10mm drill bit drill out all holes to suit M6 Nut inserts. You will see 2x 10mm holes already present on the upper ridge, Fit M6 nutserts into here as pictured. There are 5x nutserts in total.



8. Fold the carpet back over & cut where the floor bracket is so the carpet can be put back flat. Install the base tray as required using M6x16mm bolts across the top. Once Secured, fit your battery in the tray.



9. Once the battery is fitted, install the front plate. Fitting 2 x M6x16mm bolts on the top finger tight. Align all bottom bolts including the centre bolt to the floor bracket & tighten. Once aligned, tighten all bolts.

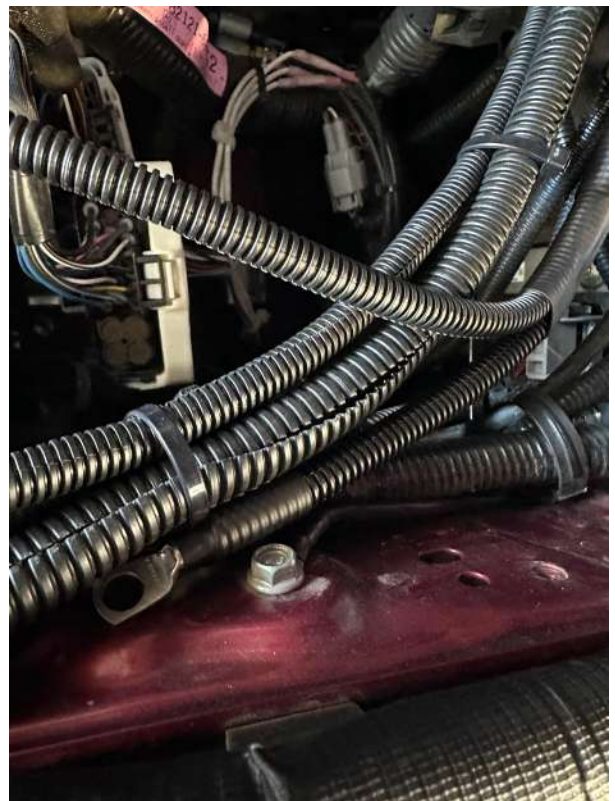




10. Once the battery & tray is fitted securely you can connect all wiring harnesses as labeled. You will need to fit Anderson plug ends to correct cabling to suit. Connect the ignition cable via the bullet terminals & tape to ensure they are secure. Hide wiring where possible. Once all connections are made connect the Auxiliary battery as required.



11. We can now terminate under the bonnet, Once secured across the fire wall to the start battery you will see a bolt as pictured on the passenger side. Fit the negative terminal under this bolt & ensure it is tight.



12. Run the positive cable as shown via the red line in the photo below. Fit the Midi fuse bracket off the Battery hold Down clamp & wire as required. Connect the harness end to one side of the Midi fuse & Positive lead on the other. Once all connections are tight Connect to Positive start battery.



13. Once connected to your battery via the Battery App (Enerdrive or Invicta) & start the vehicle, You should see a Charge rate present.

## **Socket Box Instructions Stand Alone**

These instructions are based on the Socket Box option 5 but are the same for options 1,2,3,4 minus the Red Solar Anderson.

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Our socket Boxes are configured in a way that allows them to have 2x INDIVIDUAL fused circuits. WE use a GREY anderson plug as **2x POSITIVE FEEDS**.

1. Find a suitable mounting location on the side of your vehicle as specified in your order. IF mounting in a **TUB** We recommend having the Harness tail come out Towards the Tail Light (For ease of bringing cabling into Tub)
2. Earth the negative ring to a bolt behind Tail light or suitable earthing location. (Clean up any paint to ensure good contact)
3. Connect GREY Anderson Plug to Rear Accessory Harness (If purchased with a kit). **PLEASE NOTE, The GREY Anderson plug is 2x POSITIVE FEEDS**. If not purchased in a kit, You will require to wire 2x positive feeds to this anderson plug.
4. If Socket Box OPTION 5 is opted, Connect RED Anderson plug on socket box to Solar harness (If purchased with a kit)

**YOU WILL REQUIRE A GOOD COMMON EARTH BETWEEN START BATTERY & AUXILIARY BATTERY.**