



customLITHIUM

FORD RANGER/RAPTOR DUAL BATTERY SOLUTION INSTALL INSTRUCTIONS

Custom Lithium recommends a qualified auto electrician to complete the installation.



TOOLS YOU MAY NEED



- Soft Mallet
- 10mm socket
- T40 TORX
- Knife
- Wire cutters
- Crimping tool
- Soldering iron
- Drill



customLITHIUM

Version 2.1 - 05/12/25

INSTALLATION **STEPS**

1) By using the pull tab at the top of the backrest of the rear seat, fold the rear seat forward to uncover the rear jack and tool mount.



2) Remove the Jack and Tools from their location (Note: These will need to be stored in an alternative location after the fitment of your Custom Lithium battery).

3) You will need to flatten the tab sticking up closer to the seat that is part of the Jack and Tool holder bracket using a soft hammer.



4) At the top of each seatbelt, you will remove the plastic cover that clips over. Once removed, you will now remove the plastic cover that is located across the back wall.



5) Remove the driver's side child seat anchor mount (10mm socket) and seat retaining tab (T40 Torx). Remove plastic clips holding the carpet on the back wall. **Retain all components.**



6) Locate the driver's side cab vent, squeeze in the 4 tabs and push the vent towards the rear of the vehicle. manoeuvre one end upwards while pulling the opposing end back to the cab. This vent will now be discarded.



custom**LITHIUM**

Version 2.1 - 05/12/25

INSTALLATION STEPS (Cont.)

7) Cutting of the carpet is required. We recommend cutting at the fold line on the cab wall and to the size of the battery.



8) In your kit a replacement vent is provided. Using an appropriate cleaning agent, wipe around the hole. Peeling the double-sided tape off your new vent, place a bead of silicone around the vent where the double sided tape was removed and stick this in its place taking note of the orientation. (If orientation sticker is not found, make sure the vent angles are facing down).



9) With the help of a friend, lift the battery into place with the lower locating pin picking up the hole in the jack mount. The 4 mounting holes will then realign to the child seat anchor point and rear seat locking plate. These items will then be refixed using the original bolts. If using the DCDC mount, follow the instructions for fitment. (If the pin at the bottom of the battery appears loose, you can use a nut to thread onto the pin and tighten it into place).



10) Reassemble all plastic trimmings above the battery (Including seat belt covers) in reverse order.



10.1) We recommend to fuse close to the positive terminal. *seek professional assistance around cable size and fusing*

NOTE: Make sure all connections are tight. Make sure all joins have tape around them and are not left bare. We recommend you seek professional advise relating to cable sizes and fuse sizes



custom**LITHIUM**

Version 2.1 - 05/12/25