

TOYOTA FJ CRUISER KIT INSTALLATION INSTRUCTIONS

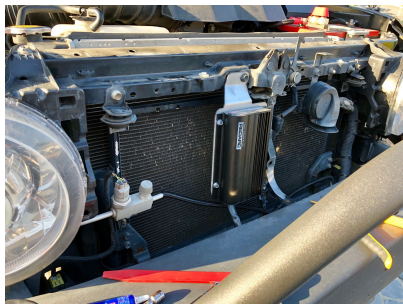


A short demo video about this kit can be found by clicking the link:
https://youtu.be/nxPkCHIM_8o

Kit Includes:

- Redarc bcdc charger with pre wired harness
- Stainless laser cut bcdc mounting bracket
- 2x midi fuse holders and fuses
- nuts/bolts, screws and cable ties
- Anderson plug for solar panel input

*All our chargers are sent out on the “A” profile setting because this is the lowest voltage setting and therefore the safest setting for the charger to be set to and we recommend using this setting. “A” profile will produce a maximum voltage of 14.6v, “B” profile has a maximum voltage of 15.0v and “C” profile has a maximum voltage of 15.3v. For more information please refer to page 3 of your REDARC manual. If you wish to change the profile please check with your battery supplier that the chosen battery can handle a voltage higher than 14.6v.



Step 1

Mount bcdc behind the grill in the position shown in the image. Remove the bolt beside the bonnet catch as seen in the image and use the bolt and nut provided in the kit to mount the bottom mount of the bcdc bracket. Once the bottom bolt has been secured then re inset the Toyota bolt through the bcdc brackets top mount, as seen in the image.

Step 2

Now that the charger is mounted we can begin to route the cables. The cable marked aux battery routes to the drivers side side for connection to secondary aux battery. The cable

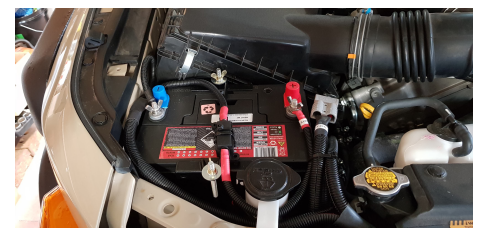
marked main battery will be routed to the existing start battery on the passenger side. Follow existing cabling behind grill to be able to cable tie to later. On each side the cables will be routed through a gap in between radiator and headlight as seen in the image.



Step 3

Click the link to see how the electrical connections are done:
<https://youtu.be/U5gdC6Uyx0s>

Connect cables to batteries. First connect aux battery by connecting the **black** wire to the **negative** terminal and the **red** wire to the **positive** terminal. Next repeat this step on the main start battery. Last thing to do before testing is to cable tie cables to exiting wiring harness or brackets behind the grill.



Step 5

Now that everything has been installed and connected it is now time to test the dual battery system. Watch the video to see how to test your dual battery system: <https://youtu.be/Vxc2R7mEswl>



Start the engine and after a short time the vehicle light should come on and the stage light will either be solid on or flashing depending on the state of charge of the battery.

Your dual battery system is now complete, now you are ready to wire up any accessories you require to the battery.

***It is the responsibility of the installer to make sure that all cabling and circuit protection is secured using either the nuts and bolt or cable ties supplied in the kit. The installer should also make sure that all cabling is away from sharp edges, air conditioning lines and any hot or moving parts to avoid damage to the vehicle**