

Universal Under Bonnet Kit INSTALLATION INSTRUCTIONS



Kit Includes:

- Redarc BCDC charger with pre wired harness
- Redarc laser cut universal BCDC bracket
- 2x Midi fuse holders and fuses
- nuts/bolts, screws and cable ties
- REDARC BCDC instruction booklets and sticker
- REDARC mounting bracket instructions

This is a universal kit and therefore is made to be adaptable, however we have a range of full installation videos of under bonnet kits. Please see the list and associated video links below.

200 Series LandCruiser

Toyota Hilux

Mitsubishi Pajero

100 Series LandCruiser

**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.*

Step 1: Mount REDARC BCDC charger

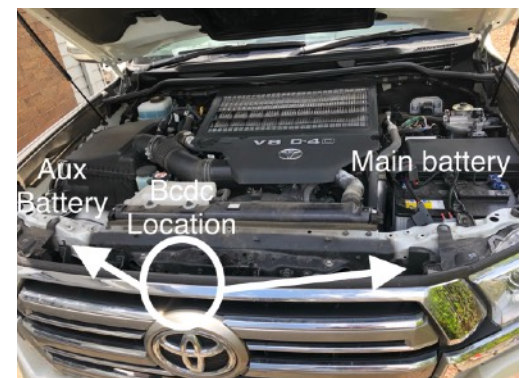
First locate desired position to mount the Redarc BCDC charger in the front grill area of the car. Using the universal mounting bracket supplied in the kit. Refer to the Redarc bracket instructions on how to utilise some of the mounting accessories.

Step 2: Route cables to each battery.

Now that the charger is mounted we can begin to route the cables.

Follow existing cabling behind grill to be able to cable tie to later.

The cable marked **aux battery** routes to the side of the car that will house the aux battery for connection to secondary aux battery. The cable marked **main battery** will be routed to the existing start battery in the vehicle.



Step 3: Making Electrical Connections

First connect **aux battery**, the **red** terminal is to be connected to the **positive** terminal of the battery and the **black** wire is to be connected to the **negative** terminal of the battery. Connect cables to batteries by connecting the **black** wire to the **negative** terminal and the **red** wire to the **positive**. Next repeat this step on the main start battery.

Click the link to see how the electrical connections are done:

[Making Electrical connections](#)

Last thing to do before testing is to cable tie all cables to existing wiring harness or brackets under the grill and then reinstall grill.

Step 5: Testing the Redarc Charger

Now that every thing 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:

[Testing your dual battery system](#)



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.

Next turn off the car and turn on the headlight to speed up this process, after a short amount of time the vehicle light and stage light will go out which means that the charger is now back in isolation mode.

To test Solar plug your UNREGULATED solar into the Anderson Plug on the box labeled solar input. The solar light, stage light and profile light will come on the charger showing that you are charging via solar. Your kit is now fully tested and ready to use.