

# Toyota Hilux N80 2017on Tub Kit INSTALLATION INSTRUCTIONS



## Kit Includes:

- Redarc bcdc charger with pre wired harness
- TLR Powder coated tub mounted Dual Battery Box
- 2x midi fuse holders and fuses
- nuts/bolts, screws and cable ties
- Redarc instruction booklets and TLR instruction sheet
- 1x Single socket outlet
- 1x Dual socket outlet
- Anderson plug to accept unregulated 12v solar directly

*\*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: Mounting the Battery Box

Follow the TLR instructions for this part of the install.



*In models with a tub liner - sit the box into position as shown in the TLR instruction manual and trace around box to prepare for cutting the liner to make way for the battery box. To aid in this step please view one of our installation videos on our YouTube channel, here is a link to one of them [Installation video](#)*

Once the battery box is in position the next step will be to mark all 4 mounting holes. Then remove box and drill 8.5mm holes through tub floor. Use bolts and nuts supplied in kit to secure extra 2 bolts in tub floor. Now place tray into position and secure by reinstalling all the bolts removed. Tighten all 4 bolts securing tray into position.

Place chosen battery into tray and secure using hold down clamp supplied in kit.

## Step 2: Routing Cables to Main Battery

Start by routing cables out of the tub by exiting through a small gap in the back left hand corner of the tub dropping the cable down under the vehicle, in-between the inner and outer tub walls. Once the cable is located under the vehicle continue to run the cable toward the chassis rail and follow existing cabling under vehicle beside chassis rail to the engine bay. Secure harness using cable ties supplied in kit. Once in the engine bay, connect the main fuse holder labeled main battery to the harness and secure midi fuse holder in engine bay to battery hold down clamp using cable ties supplied.

# Toyota Hilux N80 2017on Tub Kit INSTALLATION INSTRUCTIONS



## Step 3: Making Electrical Connections

### Connecting Power to Main and Aux Batteries

Once the midi fuse holder has been connected to the main harness that was routed from the battery box to the engine bay and the midi fuse holder has been mounted securely it is time to start making the electrical connections. Start by connecting the main positive cable to the vehicles main battery as seen in the image on the left.

Once the main battery has been connected it is time to connect the auxiliary battery.

First connect the 3 black negative terminals to the aux battery and then connect the 3 red positive terminals to the positive terminal as shown in the image on the right.



Once the cables have all been connected its time to put the 2x 15amp blue fuses into the fuse holders and power up the accessory sockets. Your dual battery system is now completely wired up and ready for testing.

## Step 4: Testing the Redarc charger

Now that everything has been installed and connected it is time to test the system. Refer to the installation video to see how to test 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. This can be seen in the photo.

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