

2021 ISUZU Dmax| MAZDA BT50 LDV T60 TUB KIT



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

YOUTUBE INSTALLATION GUIDE:

[Watch: Full Installation Video](#)



**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 - First remove the factory tie down and 2x factory bolts at the top of tub liner. This will allow you to flex the tub liner and locate the factory bolts in the tub floor.



The next step will be to mark (trace outline) where the box is going to be installed, lining up with 2x factory bolts in the tub floor and then to cut out the tub liner to allow the box to sit flush into position.

Before mounting the battery box into position - first feed the main positive cable harness behind the tub liner to the rear left hand corner of the tub.

Place tray into position and mark 2x front holes to be drilled through tub floor. Remove tray 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

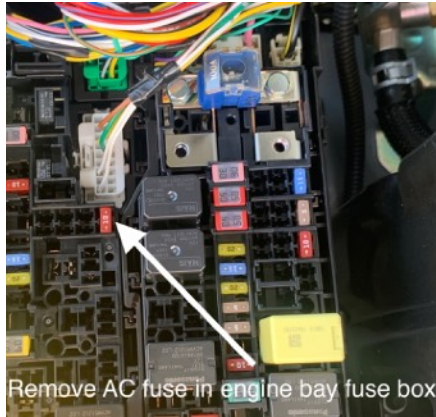
Start by routing cables out of the tub by exiting through a small gap in the back left hand corner of the tub, dropping the cable down under the vehicle, in-between the inner and outer tub walls. Once the cable is located under the vehicle continue to run the cable toward the chassis rail and follow 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.

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STEP 3: Making Electrical Connections

Connect the cable labeled ignition with the ignition fuse holder provided. The join can be protected with heat shrink provided. This fuse box is located right beside the main engine battery. Start by removing the fuse box lid, pictured below is a photo of the fuse box.



(< FIG 1)

Making sure that the **ignition is turned off** and the **keys are out of the ignition** remove the AC fuse shown in the image in - FIG 1

Discard fuse removed from fuse box and insert the fuse holder provided in the kit into the AC fuse location as shown in FIG 2 and route cable out of fuse box to allow lid to go back on the fuse box. (FIG 2 >)



Connecting Power to Main and Aux Batteries



Once the midi fuse holder has been mounted securely it's 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.



Watch the video to see how to test your dual battery system:

[Watch: Testing the Redarc Charger](#)