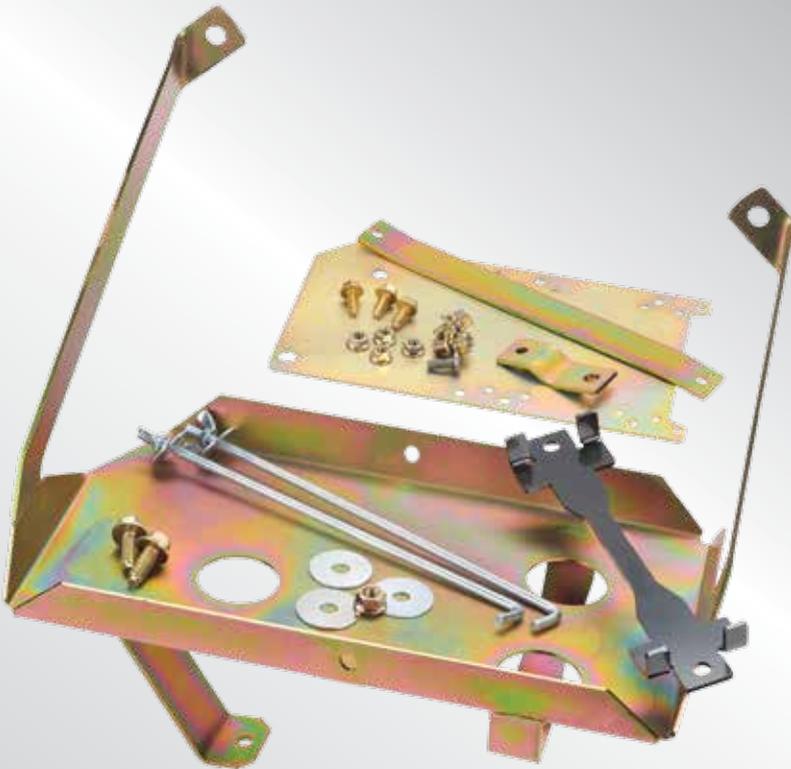


# HEAVY DUTY DUAL BATTERY TRAY

Tray Fitting Instructions to suit Auxiliary battery for  
**TOYOTA LANDCRUISER 70 SERIES**

Years: October 2016 Onwards

Models: 1VD-FTV 4.5 Litre V8 Turbo Diesel Wagon / Ute



## IMPORTANT SAFETY INFORMATION

Please read this instruction thoroughly before fitting the tray.

This product is recommend to be fitted by a workshop or qualified mechanical person.

## WARNINGS

- Before installation, make sure that the vehicle is stationary and the wheels chocked.
- Be careful when laying wires, not to cause any electrical shorts or wire breakage.
- After installation ensure the bonnet can close without hitting the newly installed battery and battery tray.
- Ensure original parts and pipes have sufficient clearance from the tray and battery. Push them away from the tray if required.

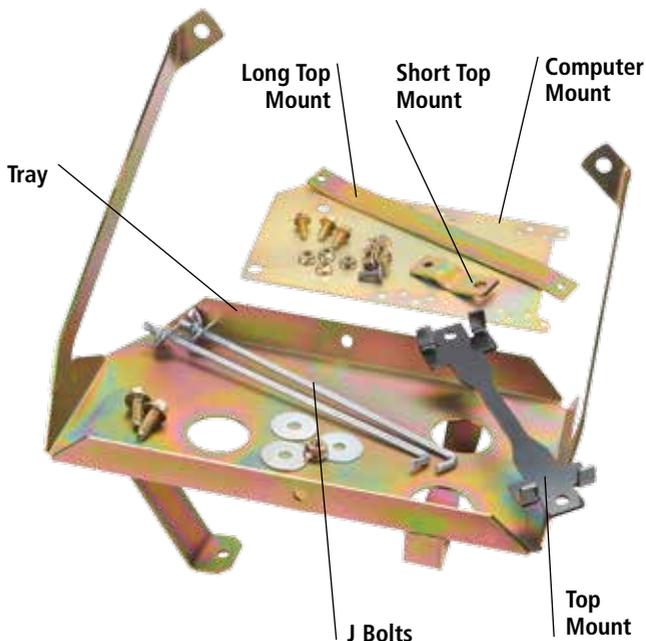
## SPECIFICATIONS

Max Battery Size (mm)	L300x W174 x H220
Max Battery Weight	28Kg
Recommended batteries	Optima D27M & Optima D31A
Approximate fitting time	1.5 hours
Recommended Dual Battery System	P/No: IDC25, DBC150, VSR200
Tray Location	Engine Bay, Passenger Side Rear

## KIT INCLUDES

### Hardware

- 2 x M8 Bolts
- 2 x M8 Bolts Long
- 1 x M8 Nut
- 3 x M6 Bolts
- 1 x M6 Weld Nut
- 4 x M6 Nuts
- 3 x M6 Body Washer



## FITTING INSTRUCTIONS

1. Make sure that the vehicle is stationary, the engine is switched off and cool. Disconnect the negative terminal from the main battery.
2. Remove brackets on the inner guard holding 2 x "Injector Driver" Computers. Disconnect plugs one computer has 3 plugs and the other has 4 plugs.
3. Remove computers from brackets (brackets not re-used, but retain screws)
- 4a. Grab the Supplied Computer mount and see how it is going to be mounted using the 10mm hole at the top.
- 4b. Locate the back of the bracket and mount the 3 plug computer on the back to the lower series of holes.
- 4c. Mount the 4 plug computer on the front of the bracket on the top series of holes with the plugs facing down



5. Remove factory accessory fuse box from its bracket from the inner guard. The fuse box may be redundant when the dual battery system is completed. For the time being cable tie to the wiring harness between battery and intercooler.
- 6a. Undo 3 nuts holding wiring harness mount bracket to 2 studs on firewall (below wiper motor) and unclip harness from bracket.

- 6b. Adequately resecure harness to one of the firewall studs, using an insulated 'P' clip (not supplied) or similar.
7. Bolt the short top mount support bracket into existing hole at the bonnet shut line between inner and outer guard, using 1 x M8 long bolt and nut. (Use a Philips screwdriver shaft down through the hole, feed the nut onto it and hold nut up in place, remove screw driver and replace with bolt).



8. Reconnect plugs to "Injector Driver" computers and bolt brackets in inner guard captive nuts, using 1 x M8 short bolt at front and 1 x M8 long bolt at rear (leave loose, as they need to be removed as tray arm fits over computer mount plate).



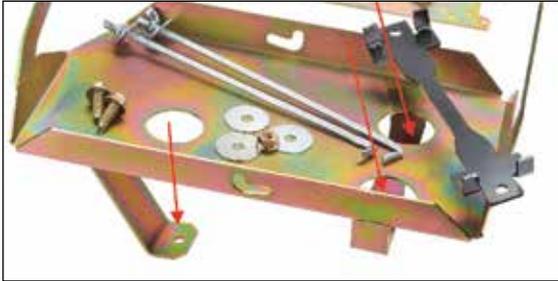
9. Manipulate wiring loom into wedged shaped space between firewall, inner guard and wheel arch to gain clearance for tray.



10. Place tray into position and bolt in upper arms with 1 x M8 short bolt for front arm of tray and 1 x M8 long bolt for rear arm of tray, the bolt needs to go through rear arm and the computer plate bolting to the inner guard captive nuts. The tray can be flexed slightly forward or back to aid clearance.



11. The fitter needs to ensure there is sufficient clearance between tray, wiring looms, fuel lines and air conditioning pipes. E.g. Ensure windscreen washer tube is not kinked or restricted when moving computers.
- 12a. Drill 3 x 6mm holes through the wheel arch, using the holes in the lower tray mounting plates as a guide.
- 12b. Fasten with 3 x M6 bolts, body washer and nuts. Washer and nuts to be on the underside of the wheel arch.



13. Place battery into tray. Secure the Top Mount and Long support bracket to battery with J bolts. Then use the M6 weld bolt and nut to join short and long top support brackets together.

Note: Failure to fit the long and short top mounts correctly may result in metal fatigue of the vehicle and tray.



14. Reconnect the negative battery terminal to the main starter battery. Before closing the bonnet make sure the battery and tray does not hit the bonnet. You may now wish to fit your desired Dual Battery System.

For assistance throughout the installation procedure please call our customer service representatives on 1800 113 443.

# NOTES

# **WARRANTY STATEMENT**

## **APPLICABLE ONLY TO PRODUCT SOLD IN AUSTRALIA**

Brown & Watson International Pty Ltd of 1500 Ferntree Gully Road, Knoxfield, Vic., telephone (03) 9730 6000, fax (03) 9730 6050, warrants that all products described in its current catalogue (save and except for all bulbs and lenses whether made of glass or some other substance) will under normal use and service be free of failures in material and workmanship for a period of one (1) year (unless this period has been extended as indicated elsewhere) from the date of the original purchase by the consumer as marked on the invoice. This warranty does not cover ordinary wear and tear, abuse, alteration of products or damage caused by the consumer.

To make a warranty claim the consumer must deliver the product at their cost to the original place of purchase or to any other place which may be nominated by either BWI or the retailer from where the product was bought in order that a warranty assessment may be performed. The consumer must also deliver the original invoice evidencing the date and place of purchase together with an explanation in writing as to the nature of the claim.

In the event that the claim is determined to be for a minor failure of the product then BWI reserves the right to repair or replace it at its discretion. In the event that a major failure is determined the consumer will be entitled to a replacement or a refund as well as compensation for any other reasonably foreseeable loss or damage.

This warranty is in addition to any other rights or remedies that the consumer may have under State or Federal legislation.

## **IMPORTANT NOTE**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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