

# PIRANHA OFFROAD PRODUCTS P/N BT70V8D16

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To Suit TOYOTA 70 SERIES  
V8 TURBO DIESEL - WITH ABS

All 70 series from October 2016 on with SRS air bags.



PART NUMBER	BT70V8D16
APPROX FITTING TIME	1.5 Hours
MAX BATTERY SIZE	L300mm x W175mm
RECOMMENDED TYPE	Optima D27 or D31 Flooded Cycle Duty
TRAY LOCATION	PSR



**This tray is not designed to carry a battery weighing greater than 28kg**

<b>PARTS INCLUDED WITH TRAY</b>
2 x M8 Bolts (P146)
2 X M8 Bolt Long (P145)
1 X M8 Nut (P105)
3 X M6 Bolts (P144)
1 X M6 Weld Bolt (P110)
4 X M6 Nuts (P106)
3 X M6 Body Washer (P115)
1 X CM70V8D16
1 X STM70V8D Top Mount
<b>Optional part: IM70V8D</b> – isolator mount
<b>RECOMMENDED BATTERY</b>
Optima D31A with Piranha AOC OR 300mm Long Conventional Cycle Duty with Breather Tube
<b>RECOMMENDED ISOLATOR</b>
<b>DBE140S</b> OR <b>DBE180-SX</b>

- 1) Remove brackets on inner guard holding 2 x 'Injector Driver' computers. Disconnect plugs - One computer has 3 plugs and the other has 4.
- 2) Remove computers from brackets (brackets not re-used, but retain screws). Hold computer mount plate with a 10mm hole at L/H top, Mount 3 plug computer on the 'back' to the lower series of holes with plugs facing down. Mount 4 plug computer on the 'front' to the upper holes, again, with plugs facing down. (FIG B)
- 3) Remove factory Accessory fuse box from its bracket, and the bracket from the inner guard. This fuse box will arguably be redundant when the dual battery system is completed. If retained, cable tie to wiring harness between battery and intercooler.
- 4) Undo 2 nuts holding wiring harness mount bracket to 2 studs on firewall (below wiper motor) and unclip harness from bracket. Adequately resecure harness to one of the firewall studs, using an insulated 'P' clip (not supplied) or similar.
- 5) Bolt the short top mount support bracket into existing hole at the bonnet shut line between inner & outer guard, using 1 x M8 long bolt and nut. (Tip, use a Phillips screwdriver shaft down through the hole, feed the nut onto it and hold nut up in place, remove screwdriver and replace with bolt).
- 6) Reconnect plugs to injector driver computers and bolt bracket to inner guard captive nuts, using 1 x M8 short bolt at front and 1 x M8 long bolt at rear (leave loose, as needs to be removed when tray is fitted - tray arm fits over computer mount plate). (FIG C)
- 7) Manipulate wiring loom into wedged shaped space between firewall, inner guard and wheel arch to gain clearance for tray. (FIG B)
- 8) Place tray into position and bolt in upper arms with 1 x M8 short bolt (front arm) and 1 x M8 long (at rear, through arm & computer plate) to inner guard captive nuts. The tray can be flexed slightly forward or back to aid clearance. FIG C)
- 9) It is the fitters responsibility to ensure there is sufficient clearance between tray, wiring looms, fuel lines and air conditioning pipes. Eg. Ensure windscreen washer tube is not kinked or restricted when moving computers.
- 10) When you have determined the best position, drill 6mm holes through the wheel arch, using the holes in the tray lower mounting plates as a guide and fasten with 3 x M6 bolts, body washers (under guard) and nuts.
- 11) Place battery into tray. Secure top mount and long support bracket to battery with J bolts, then use M6 weld bolt and nut to join short and long top mount support brackets together. (FIG D)

**These top mount support brackets must be used. Failure to use these brackets will void Piranha Offroad Products warranty and may result in your vehicle experiencing metal fatigue.**