



**WORLD'S BEST  
ALLOY BULLBARS**

**East Coast Bullbars (ECB Pty Ltd)**

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**BT80SY**

REPLACES: 10.02.10

REVISED: 11.09.10

## **FITTING INSTRUCTIONS**

### **TOYOTA HILUX 11/01-2/05 2WD BIG TUBE™ PROTECTION BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES**

Check installation hardware before commencing.

1. Remove bumper bar from vehicle by removing one plastic cap from plastic inner guard and pulling guard clear, under plastic guard one 12mm head nut (each side). Two 14mm head bolts (each side) on chassis brackets.
2. Remove crush components from front of chassis. **See figure 1.** One 12mm head bolt (each side).
3. Remove indicators from vehicle one PK screw above headlight and splice ECB wiring into original indicator and park light wiring. Feed wiring down behind headlight. Replace indicators.
4. Install ECB 8mm steel mounting plates (supplied) to chassis where bumper brackets were removed. Use M10 x 35 x 1.25 bolts, flat and spring washers (supplied). **FINGER TIGHTEN ONLY. See figure 2.**
5. Remove tie down brackets from drivers and passengers side and lower chassis. **See figure 3.**
6. Install steel angle mounts (supplied) to chassis with tie down brackets over steel angle mount. **NOTE: Diver's side tie down bracket to passenger side steel angle mount and vice versa.** Use M12 x 35 x 1.25 bolts, flat and spring washers (supplied) **FINGER TIGHTEN ONLY. See figure 4.** Use 3/8 x 1 1/2 bolt and nut (supplied) for hole on 8mm steel mounting plates **FINGER TIGHTEN ONLY. See figures 5 & 6.**
7. Attach infill trim (supplied) to top sides of ECB protection bar. **NOTE: Trim 30mm off lower edge so trim will sit over end of protection bar. See figures 7 and 8. Trim excess off end to follow protection bar. See figure 9** **NOTE: Seal any exposed edges of trim with silicone or similar to avoid corrosion of inner steel.**
8. Fit ECB LED indicator / park lights (supplied) into protection bar as per instructions supplied with the LED indicator kit. **NOTE: Ensure park light is to outside. See figure 10.**
9. Position ECB protection bar outside of steel mounting plates. Use 1/2 x 1 3/4 bolts, nuts and washers (supplied). **FINGER TIGHTEN ONLY.**
10. Align protection bar with vehicle with approximately 6mm clearance under grille. Align level at sides with approximately 20mm that will be taken up by infill trim. **TIGHTEN ALL BOLTS. See figures 11 and 12.**
11. **TIGHTEN** steel mounting plates and steel angle mounts bolts and nuts and then protection bar bolts and nuts.
12. Connect ECB wiring into ECB indicators /park lights and **CHECK OPERATION.**
13. Refit plastic inner guard inside of protection bar. **See figure 13.**



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### ENSURE NUMBER PLATE IS CLEARLY VISABLE

**Note:** When fitting/refitting the licence plate to the vehicle, ensure there is no obstruction to licence plate vision in accordance with local authorities. If required relocate licence plate to an alternate location.

#### Further VFPS Notes:

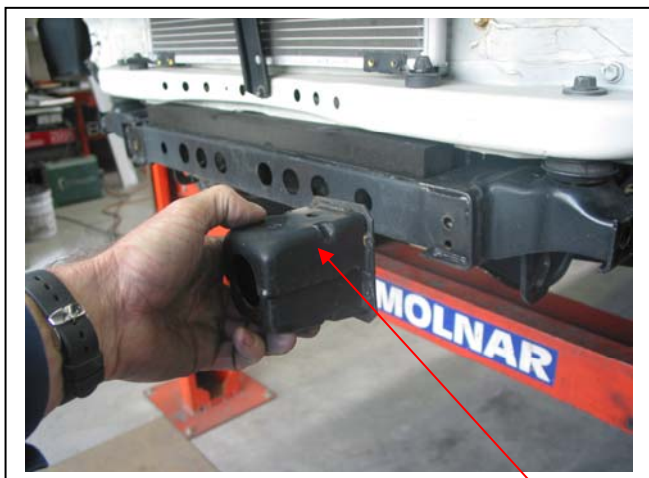
- a) Do not attach VFPS to the vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts).
- b) Do not use this product for any vehicle make or model, other than those specified by the VFPS manufacturer.
- c) Do not remove the plaque or label from the VFPS.
- d) Do not modify the structure of the VFPS in any way.
- e) No accessory or fitment should project forward of the VFPS forward profile.
- f) **ENSURE THESE INSTRUCTIONS ARE LEFT WITH VEHICLE OWNER AND/OR OPERATOR.**

#### IMPORTANT INFORMATION

Periodically check bolts and nuts for correct tightness, especially if travelling on rough roads

#### FITTING KIT

2 – 8mm steel mounting plates.	4 – M12 x 35 x 1.25 bolts.
2 – Steel angle mounts.	12 – ½ flat washers.
2 – 3/8 x 1 ½ bolts/nuts.	8 – ½ spring washers.
4 – M10 x 35 x 1.25 bolts.	1 – ECB LED Indicator / Park light kit.
8 – 3/8 flat washers.	2 – 670mm lengths black infill trim.
6 – 3/8 spring washers.	6 – Cable locks.
4 – ½ x 1 ¾ bolts/nuts.	



**Figure 1** Crush component



8mm steel mounting plate **Figure 2** – Passenger side shown



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Drivers side tie down bracket refitted over passenger side steel angle mount

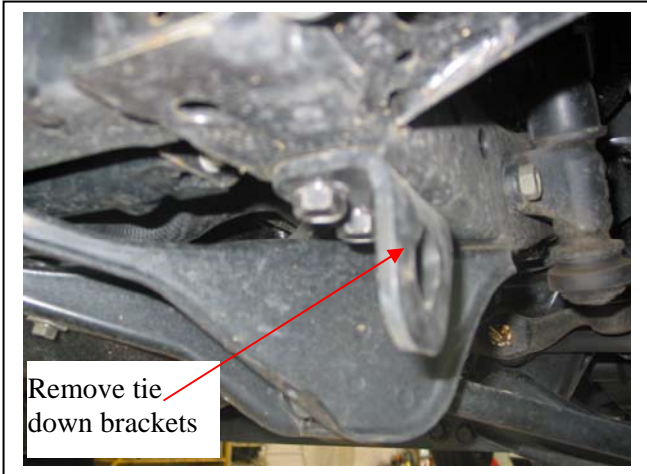


Figure 3 – Passenger side shown

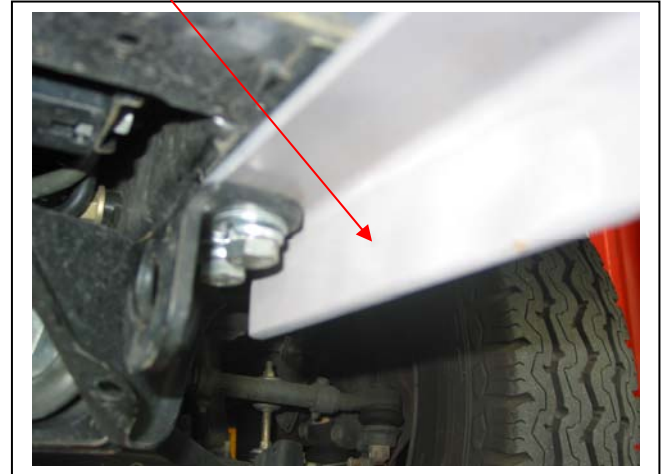


Figure 4 – Passenger side shown

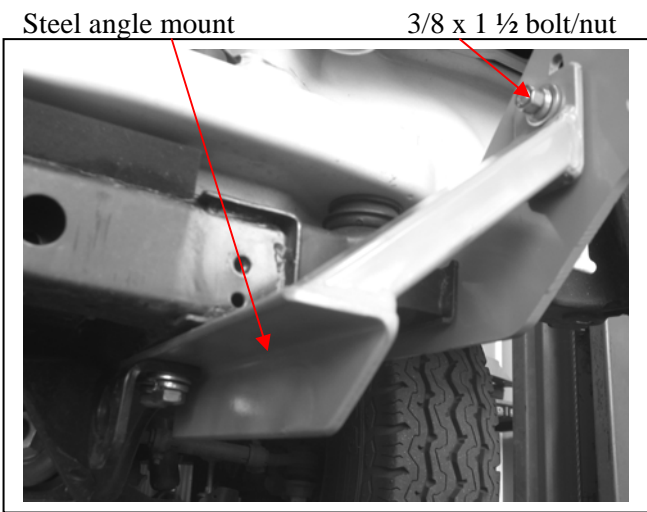


Figure 5 – Passenger side shown



Figure 6

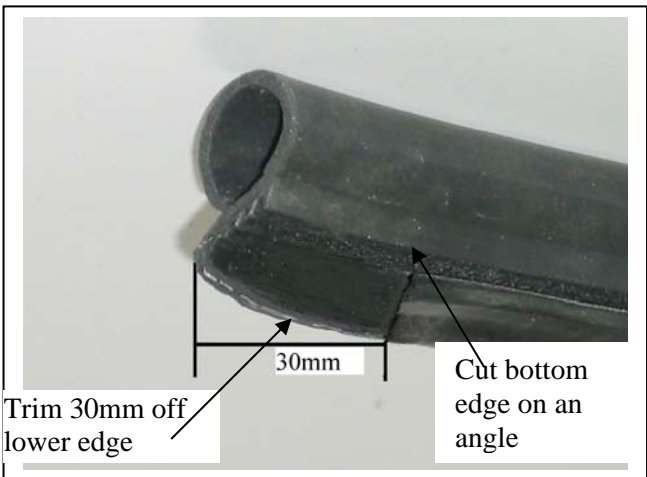


Figure 7 – Infill Trim

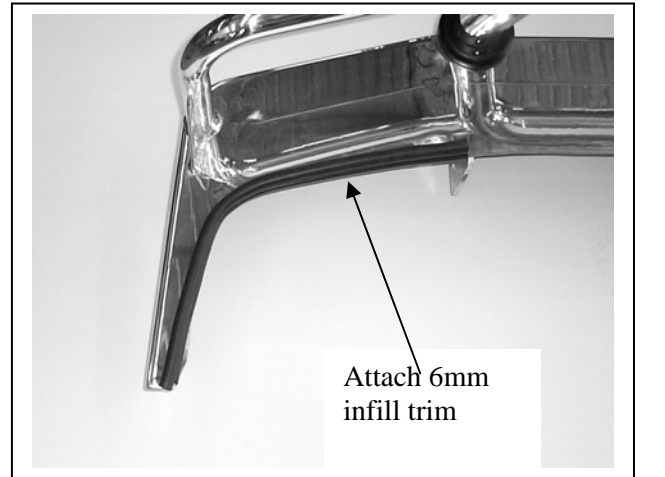


Figure 8





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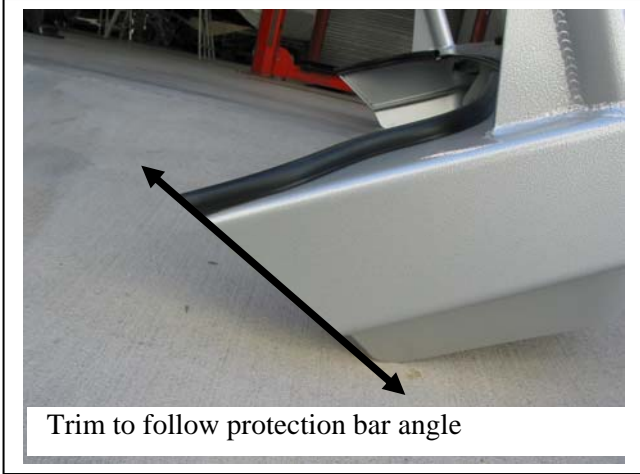
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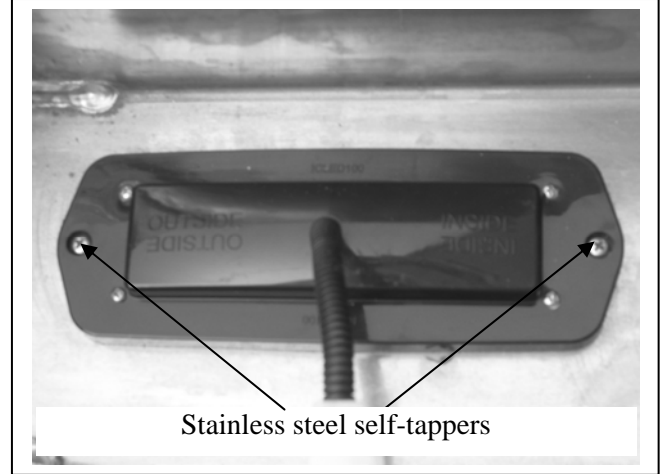
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Trim to follow protection bar angle

**Figure 9**

Note: Example only angle on bar maybe different to the above



Stainless steel self-tappers

**Figure 10**



Infill trim just contact guard

**Figure 11**



**Figure 12**



**Figure 13**



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## *We value your comments*

Dear Fitter,

ECB would like to know how you went with the installation of this product. We value your comment and may need to contact you to clarify some details so please complete your contact details clearly.

We would appreciate if you could complete as many of the following details as possible.

<b>Your Name:</b>	<b>Your contact No.</b>
<b>Product Part No.</b>	<b>Product Invoice No.</b>
<b>Product Description:</b>	<b>Make, model, and year of vehicle:</b>
<b>Product Work Order No.</b>	<b>Company your from/Company product purchased from:</b>

**Date of fitment:** \_\_\_\_/\_\_\_\_/\_\_\_\_

Was the fitting hardware supplied complete?

Yes

No

If no what was not supplied

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Did the installation go well?

Yes

No

Please provide comments

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Please draw diagrams if you need to.

**Post to**  
Reply Paid 122  
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**Fax to**  
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## DESPATCH CHECKLIST BT80SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- 2 – 8mm steel mounting plates.
- 2 – Steel angle mounts.
- 1 – Bolt Kit.
- 1 – ECB LED Indicator / Park light kit.
- 2 – 670mm lengths black infill trim.
- 2 – ECB overrides – **Fitted to bar.**
- 3 – 3mm air scoops – **Fitted to bar.**

**See other side of  
this page for  
photos of all  
mounts**



Is this product “the best it can be” Yes \_\_\_\_\_ / \_\_\_\_\_  
Wrapper’s initials / Checker initials

If NO fix before continuing

All parts checked and completed by:

Nut and bolts: \_\_\_\_\_ Date \_\_\_/\_\_\_/\_\_\_

Order control: \_\_\_\_\_ Date \_\_\_/\_\_\_/\_\_\_

Final wrap check: \_\_\_\_\_ Date \_\_\_/\_\_\_/\_\_\_



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