



WORLD'S BEST  
ALLOY BULLBARS

East Coast Bullbars (ECB Pty Ltd)

Tel: 07 3897 5700

Fax: 07 3283 1168

ecb@ecb.com.au www.ecb.com.au

29 Snook St  
Clontarf QLD 4019  
Australia

Po Box 122  
Margate QLD 4019  
Australia

**BT97SY**

REPLACES: 11.07.10

REVISED: 26.06.12

## FITTING INSTRUCTIONS

### TOYOTA 79 SERIES LANDCRUISER 3/07- BIG TUBE™ BAR WITH FOG LAMPS VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Lift bonnet.
2. For vehicles with slim-line front bumper:
  - a. Remove light cover from rear of bumper, underside of driver's side wheel arch, one plastic clip. Disconnect lights. **See figure 3.**
  - b. Remove bumper cover. Four 10mm head bolts on underside of bumper, loosen only two 10mm head nuts under rear top corners, two 10mm head bolts at lower corners of bar grille and five plastic clips on top between bumper and grille.
  - c. Disconnect wiring from under headlamp.
  - d. Remove bumper support bracket, four 14mm bolts (per side), two bolts into side of chassis and two bolts into body support from front.
  - e. Remove two 17mm head bolts and nuts from front of chassis. Remove cross member support.
3. For vehicles with front bumper step:
  - a. Remove 17mm nut from end of chassis rail. Remove bolt from top of chassis rail. Bolt can be accessed from between top of chassis rail and crush can assembly. Space is limited so two fingers each side of chassis rail may be required. Fold bolt forward when hits top bumper skin to remove. **NOTE:** This is second 17mm from front of vehicle, not 17mm bolt in crush can assembly.
  - b. Remove inner two 14mm bolts from outrigger, near plastic light cover. **See figure 1 and 2.**
  - c. Disconnect light wiring from under drivers headlight during removal.

**Note:** This bar can be removed using instructions for slim-line bumper. Crush can assembly is an add-on to slim-line bumper mounting.
4. Remove fog lamp wiring from rear of bumper cover (only wiring from bumper cover required). Refit wiring to front of vehicle radiator support panel using cable ties (supplied). Connect wiring to connector under headlamp. **See figures 4, 5 and 6.**  
**NOTE:** For vehicles without original fog lamps, wire accessory fog lamp kit to vehicle (not supplied).
5. Fit ECB steel mounting brackets (supplied) to outside of chassis rails using two M10 x 25 bolts and flat and spring washers (supplied) and one ½ x 5 ½ bolt, nut and flat and spring washers (supplied) (per side). Align mounts and **TIGHTEN** ensuring correct distance between mounts for protection bar.



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6. Disconnect indicator and parking lights on vehicle. Install ECB quick click wiring harnesses (supplied) between disconnected harness and indicator / park lights on vehicle. Run wiring out from under lights ensuring clearance from sharp edges and moving parts.
7. Connect ECB Quick Click fog light wiring harness (supplied) into original wiring harness.
8. Attach 6mm clip lock trim (supplied) to rear top edge of ECB protection bar. **NOTE:** Trim off lower edge so trim will sit to end of protection bar. **See figures 7, 8 and 9. NOTE:** Seal any exposed edges of trim with silicone or similar to avoid corrosion of inner steel.
9. 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.**
10. Attach ECB fog lights to protection bar. Place M6 x 20 bolts, spring washers (supplied) through light mount from inside and attach nut to top. Slide assembly into light mount in Protection bar and centralize light to hole. **See figure 11. TIGHTEN ALL BOLTS FIRM ONLY. Do not fit fog light trims at this stage.**
11. Attach protection bar to inside of steel mounting brackets. Use six ½ x 1 ½ bolts, flat and spring washers and nuts (supplied). **DO NOT TIGHTEN.**
12. Align protection bar to vehicle allowing a minimum of 10mm between bar and body to give clearance for body movement. **See figure 12** for front view and **figure 13** for side view.
13. Connect indicator / park light wiring. **CHECK OPERATION.**
14. Connect fog lights. **CHECK OPERATION.** Aim with low beam, **TIGHTEN IN POSITION.** Fit ECB fog light trims (supplied) to protection bar, wider part of trim to inside.

#### **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



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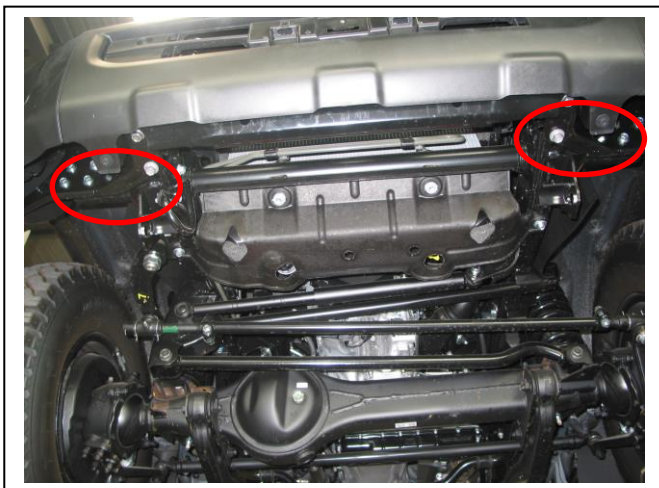
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Australia

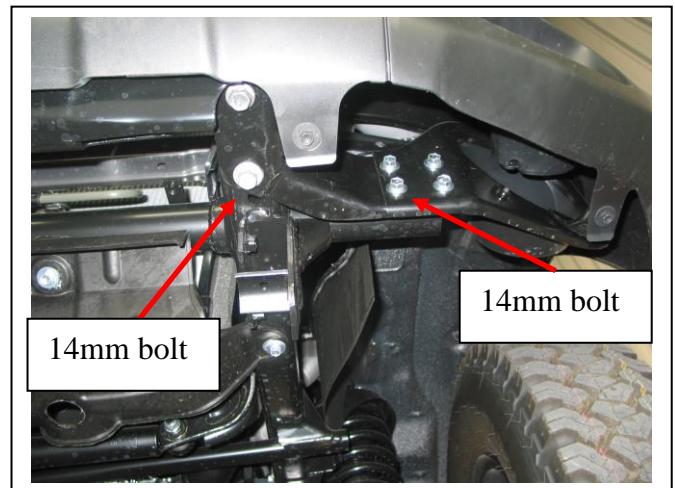
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**FITTING KIT**

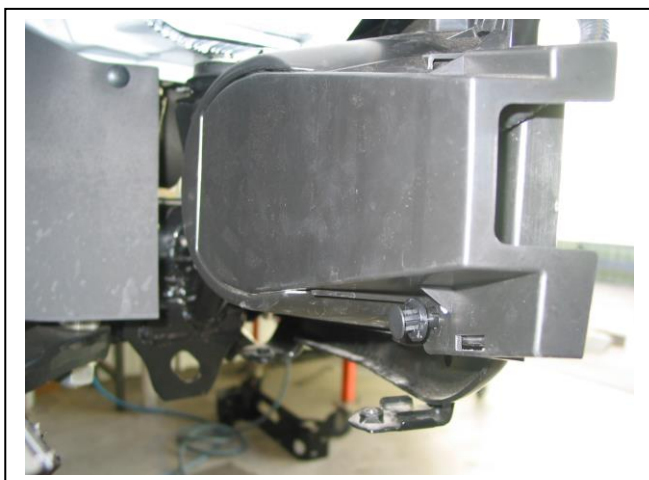
2 – Steel mounting brackets.	1 - Quick Click Indi / Park kit (IC07LC79ECB100H)
6 – ½ x 1 ½ bolts.	1 – Pair ECB Fog lights,
2 – ½ x 5 ½ bolts.	1 - Quick Click fog wiring kit (IC07LC791004ECBH)
8 – ½ nuts	2 – M6 x 20 bolts.
16 – ½ flat washers.	2 – M6 flat washers.
8 – ½ spring washers.	2 – M6 spring washers.
4 - M10 x 1.25 x .25 bolts	2 – M6 nuts
4 – M10 flat washers.	2 – Fog lamp trims.
4 – M10 spring washers.	1 – 2100mm length of 6mm clip lock trim
1 – ECB LED Indicator / Park light kit.	4 – Zip ties.



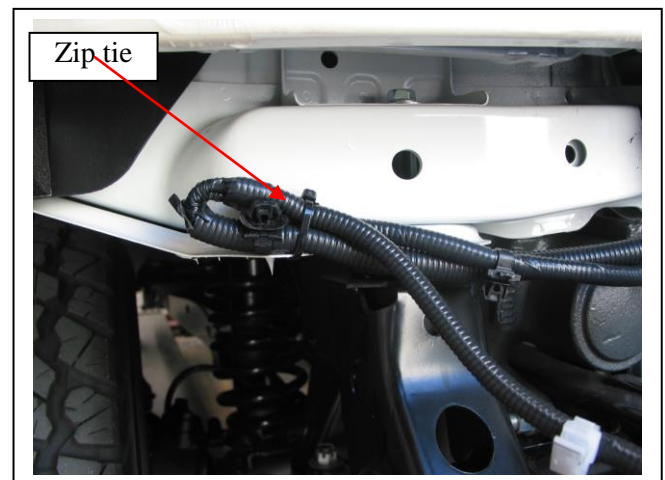
**Figure 1** –Vehicle with step bumper.



**Figure 2** – Bolts to be removed for step bumper.



**Figure 3** – Driver's side rear of bumper shown



**Figure 4** – Driver's side shown



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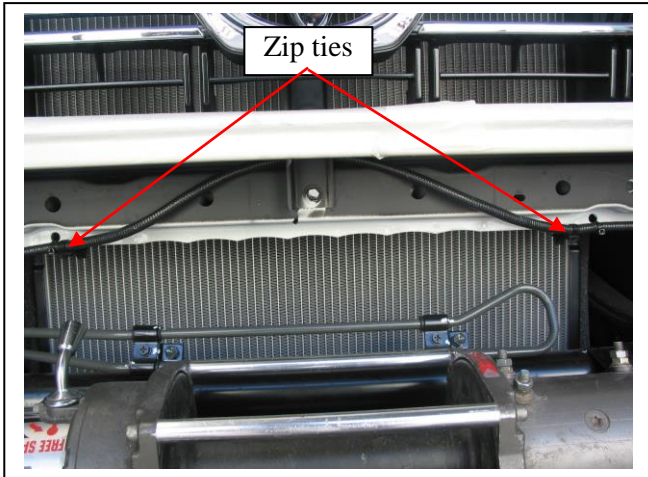
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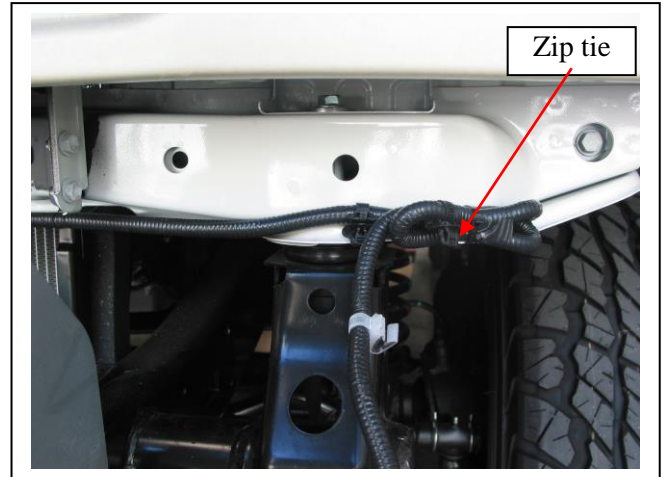
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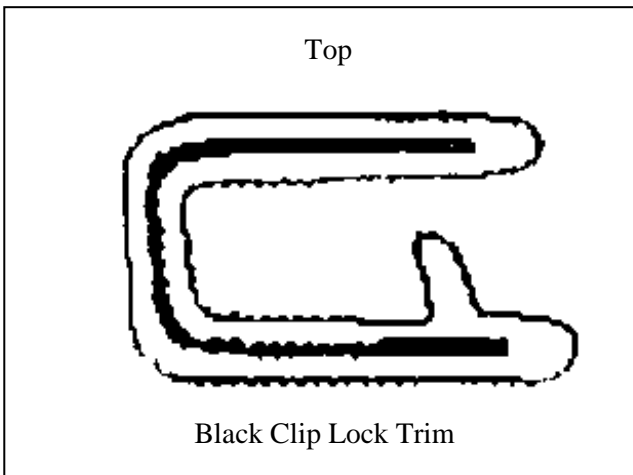
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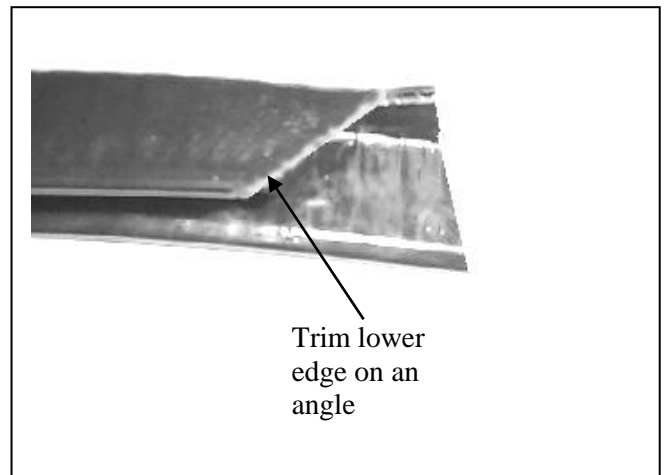
**Figure 5 – Centre shown**



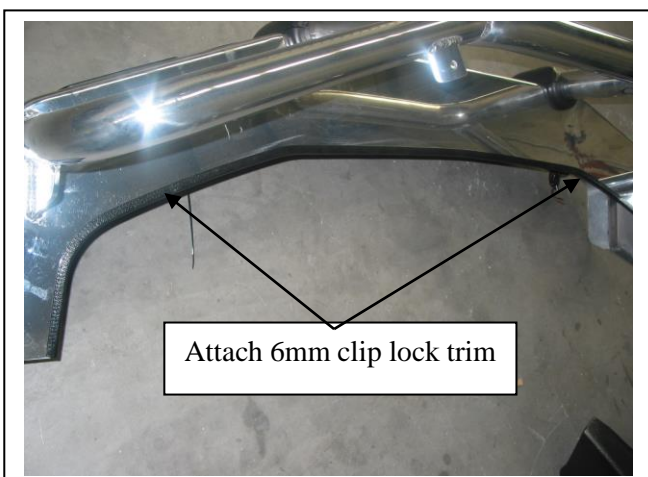
**Figure 6 – Passenger side shown**



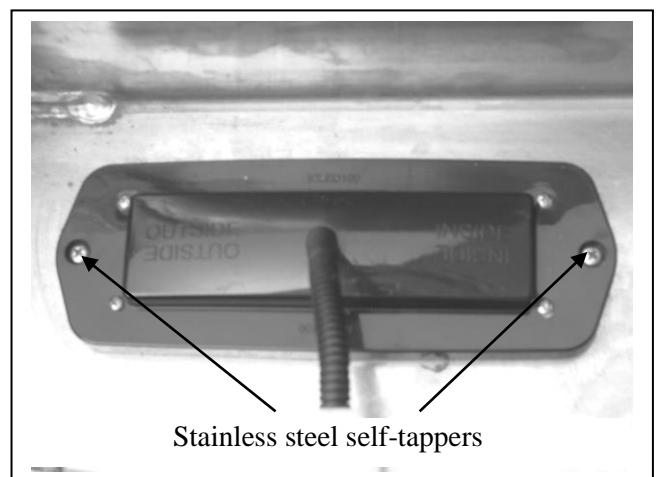
**Figure 7**



**Figure 8**



**Figure 9**



**Figure 10**



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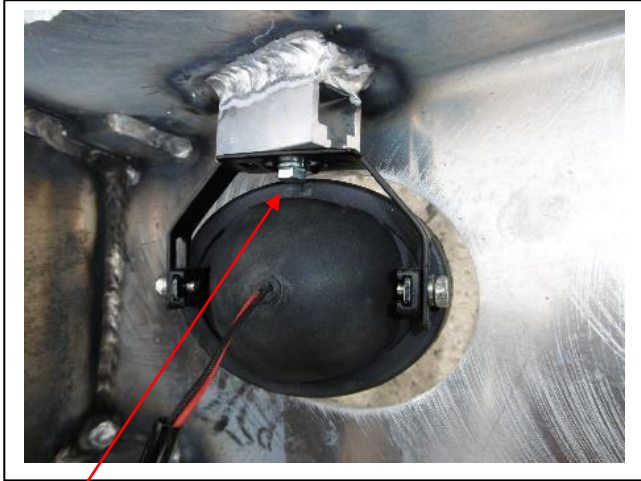
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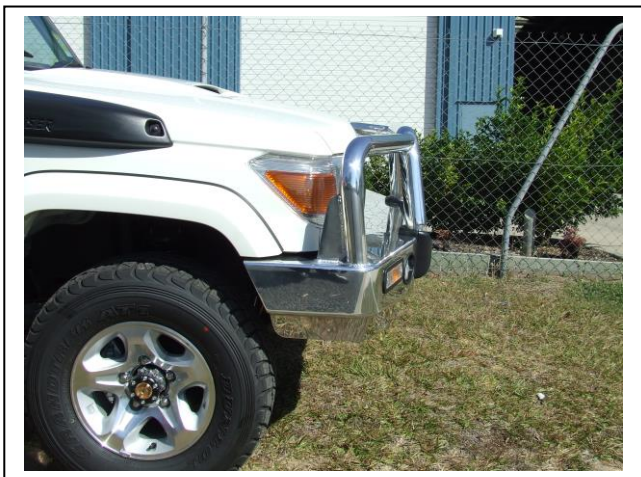


M6 bolt

**Figure 11**



**Figure 12 – Front view shown**



**Figure 13 – Side view shown**



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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

\_\_\_\_\_  
\_\_\_\_\_

Did the installation go well?

Yes

No

Please provide comments

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please draw diagrams if you need to.

**Post to**  
Reply Paid 122  
PO Box 122  
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## DESPATCH CHECKLIST BT97SY

ICZBKCT97



Work Order #	
Finish:	
Transport:	
Due Date:	

- 2 – Steel mounting brackets.
- 1 – Bolt Kit.
- 1 – ECB LED Indicator / Park light kit.
- 1 – Quick Click Indi / Park kit (IC07LC79ECB100H)
- 1 – Quick Click fog wiring kit (IC07LC791004ECBH)
- 1 – Pair ECB fog lights.
- 2 – ECB fog light trims.
- 1 – 2100mm length 6mm clip lock.
- 2 – ECB overrides – **Fitted to bar.**
- 6 – 6mm air scoops – **Fitted to bar.**



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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