



WORLD'S BEST  
ALLOY BULLBARS

East Coast Bullbars (ECB Pty Ltd)

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EAT106SY

REPLACES: 00.00.00

REVISED: 16.01.18

## FITTING INSTRUCTIONS

### TOYOTA LANDCRUISER 200 SERIES 11/07 ON ECB ARC™ PROTECTION BAR with FOG LIGHTS VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

Special tools: T30 Torx bit with suitable driver.

1. Check size of templates as size may vary according to printer. Using a sharp pair of scissors, accurately cut templates (supplied from fitting instructions). **See figure 1.** Mask vehicle from bumper attachment point around bumper so bumper skin is not marked. Hold templates onto vehicle (**See figure 1**) and mark cut line onto bumper skin. Draw straight line between marked points, extend lines to outer fold in plastic bumper at grille area and rear corner of plastic bumper. At rear corner, drop line down corner in plastic to underside of top attachment screw. Screw in rear top of plastic bumper needs to be retained.
2. Lift bonnet
3. Remove grille and headlamp cover, seven plastic push pull clips.
4. Remove three bolts from top of grille. Directly under outer bolts are two grille clips. Slide finger into hole in front of clip and push retainer to side to release clip. Remove grille as part of bumper.
5. Remove plastic splash guards from around tow points; four 10mm head bolts and one plastic 12mm head nut (per side).
6. Remove bumper and grille assembly. Six 10mm head bolts from underside centre of bumper, three T30 Torx head screws from front of wheel arch (per side), and three push pull clips from behind grille. Pull bumper sides outward to release plastic clips from guard edges and plastic bolt clips on inner guard. Disconnect headlight washers (if fitted) and vehicle fog lights (if fitted) **NOTE:** To remove from bumper under headlamp, a small flat blade screwdriver may need to be pushed between plastic bumper and steel retaining clip from underneath guard. **See figure 2.**
7. Remove polypropylene infill and aluminium bumper support. Three 17mm nuts per side accessed from holes in front of support.
8. Remove tow hooks. Two 17mm bolts (per side).
9. Trim plastic radiator surrounds to allow fitment of ECB steel mounting bracket. **See figures 3 and 4.**
10. Slide ECB steel mounting bracket (supplied) onto crash can assembly. Attach using three M12 nuts, spring washers and flat washers (supplied). **Finger tighten only. See figure 5.**
11. Using two M12 x 55 bolts, spring washers and flat washers per side (supplied), refit original tow hooks, through ECB steel mounting bracket to vehicle. **Tighten all bolts.** Tow hook bolts first, followed by crash can bolts. **See figure 6.**
12. Splice ECB indicator/park light into original wiring loome. Use cable locks (supplied). Wiring loome accessible behind headlights.



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13. Remove wiring loome and headlight washer tube from rear of plastic bumper. Mount both hose and wiring to underside of grille mounting panel using five zip ties (supplied). Splice ECB fog light wiring into original wiring loome. **See figure7.**
14. Using a jigsaw or similar, cut bumper along marked lines. In centre of bumper under grille, follow lower, most forward fold line. Attach 3mm clip lock trim to cut line of bumper. Trim clip lock ends to suit end of plastic bumper. **See figure 8. WARNING: Cut lines around sides of vehicle do not follow bumper lines.**
15. Refit bumper cover and grille to vehicle. Connect headlight washers (if fitted)
16. 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 9.**
17. 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. **TIGHTEN FIRM ONLY. See figure10.**
18. Attach 6mm clip lock trim (supplied) to top centre of ECB protection bar. **See figures 11 & 12.**
19. Attach protection bar to outside of steel mounting brackets using three ½ x 1 ½ bolts (supplied), washers, spring washers and nuts (per side).
20. Align protection bar with approximately 12mm clearance off bumper and 3-5mm from contacting top of bumper under grille. **See figures 13 and 14. Tighten all bolts.**
21. Remove original plastic clips from plastic inner guards. From underside of protection bar mark top hole in plastic inner guard onto rear of protection bar end cap. Drill 6mm (¼ inch) hole through end cap of protection bar.
22. Using m6 x 20 bolts, flat washers and Nyloc nuts (supplied), attach 3mm alloy inner guard support to plastic inner guard on wheel side, through lower hole. For upper hole place m6 x20 bolt (supplied) through end cap of bar, into alloy inner guard support, through plastic inner guard and large alloy washer, flat washer and Nyloc nut. **Tighten all bolts. See figure 15.**
23. **For vehicles fitted with optional “Hydro Mechanical Semi Active Rollbar”:** On passengers side only: place inner guard front support over ¼ x 1 bolt on lower steel chassis mount, using flat washer and Nyloc nut. **Tighten in position.** Drill two holes in front of inner guard and attach to inner guard front support using two ¼ x ¾ bolts, flat washers and Nyloc nuts (supplied). **NOTE: Bolt must be placed in hole from rear of vehicle. Nut must be to front to stop rubbing on suspension parts. See figure 16.**
24. Trim inner guards using a sharp knife or scissors. **See figure 17 and 18.**
25. Connect ECB indicator/park light. Ensure wiring is routed in such a manner to avoid any sharp edges etc.
26. Fit centre bash plate to underside of protection bar, using six m6 x 20 bolts, flat washers and Nyloc nuts (supplied). **See figure 19.**
27. Fit side under body guards to top of lower flange of side skirt using ¼ x 1 bolts, flat washers and Nyloc nuts (supplied). **See figure 20.NOTE: The under body guards are sided. Lip faces upwards with the cut out to go around the steel mount.**
28. **Tighten all nuts and bolts.**



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## 29. Check all lights for correct operation.

### 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:

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

### IMPORTANT INFORMATION

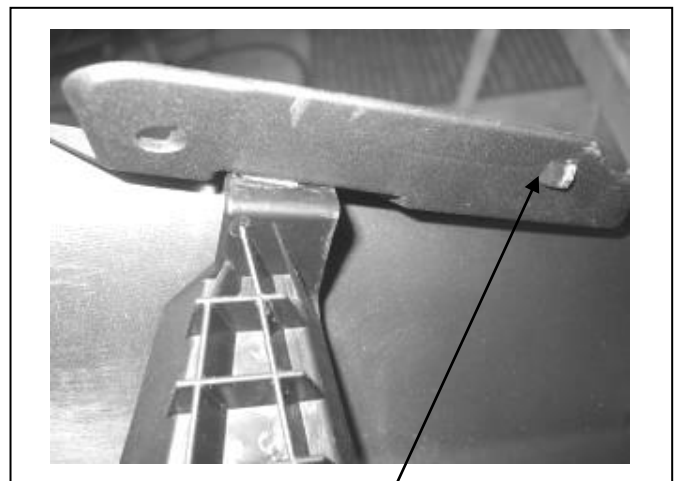
Periodically check bolts and nuts for correct tightness, especially if travelling on rough roads

#### FITTING KIT

1 – ECB Steel mounting bracket	12 – M6 x 20 bolts
1 – ECB under body guard	20 - M6 flat washers
1 – Pair ECB side under body guards	11 - M6 nyloc nuts
2 – ECB inner guard rear support	18 – ¼ Flat washers
1 – ECB inner guard front support	11 – ¼ Nyloc nuts
4 – 20 x 20 x 3 alloy washers	8 – ¼ x 1 bolts
6 – M12 x 1.25 nuts	2 – M6 spring washers
10 – M12 spring washers	2 – M6 nuts
10 – M12 flat washers	10 – Cable locks
4 – M12 x 1.25 x 55 bolts	1 – ECB LED Indicator / Park light kit
6 – ½ x 1 ½ bolts	1 – ECB fog light kit
12 – ½ flat washers	2 – ECB fog light trims
6 – ½ spring washers	1 – 2700mm length, 6mm clip lock trim long
6 – ½ nuts	1 – 2700mm length, 3mm clip lock trim long



**Figure 1:** Bumper templates attached. Cut bumper cover removed for photo.



**Figure 2:** Clip on underside of plastic bumper, shown with bumper removed



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**Figure 3:** Approximate trim on passengers side shroud



**Figure 4:** Approximate trim on drivers side shroud



**Figure 5:** Three bolts to crash can assembly



**Figure 6:** Bolts through tow hook assemblies



**Figure 7:** Wiring and headlight washer loome attachment under grille support.



**Figure 8:** 3mm clip lock, trimmed to suit rear of cut off



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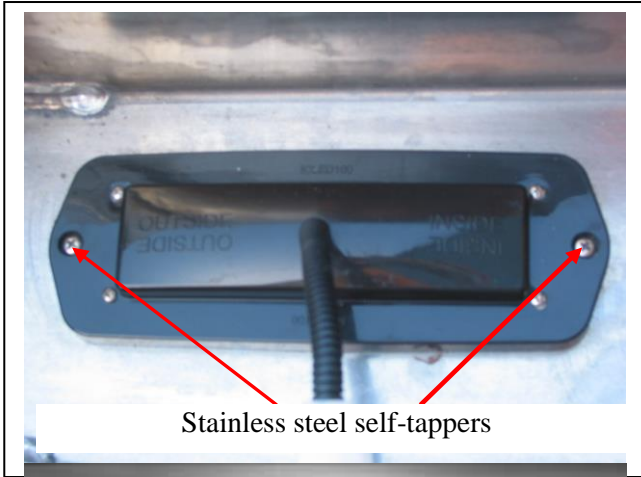
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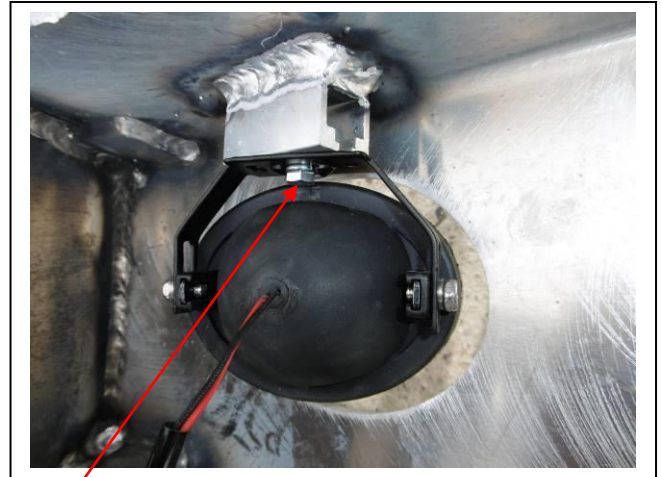
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Stainless steel self-tappers

Figure 9



M6 bolt

Figure 10



Figure 11: 6mm clip lock trim top view



Figure 12: 6mm clip lock trim end trim



Figure 13: Protection bar side view



Figure 14: Protection bar front view



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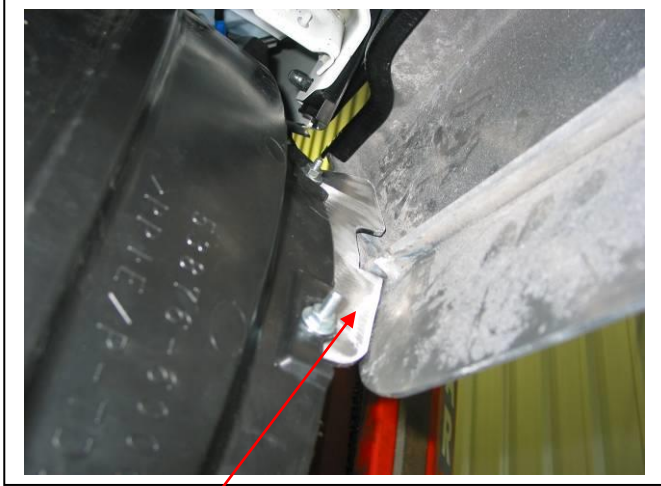
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**Figure 15:** Inner guard support as seen from between inner guard and bumper.



**Figure 16:** Front inner guard support. Passenger's side only



**Figure 17:** inner guard trim, driver's side shown



**Figure 18:** Inner guard, Passenger's side shown



**Figure 19:** Centre under body guard fitted.



**Figure 20:** Side under body guard fitted.



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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.

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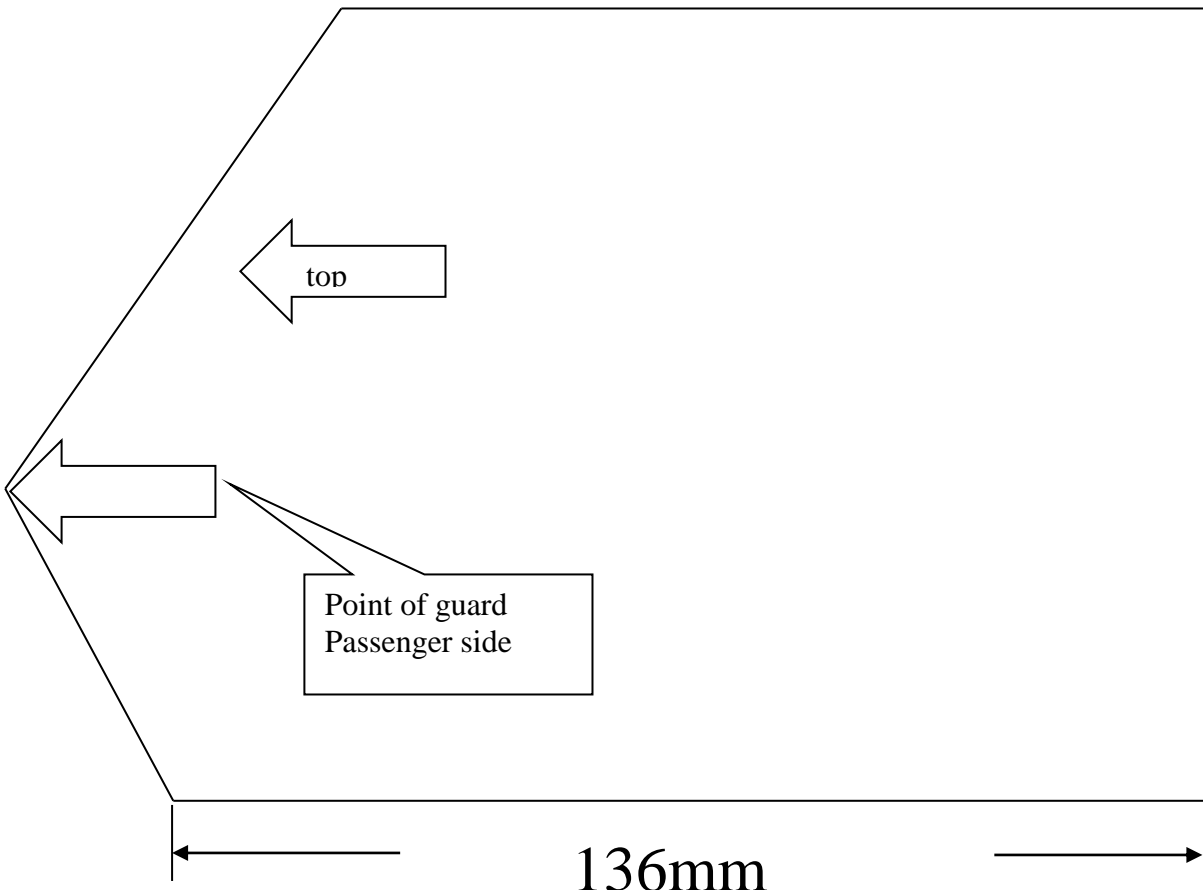
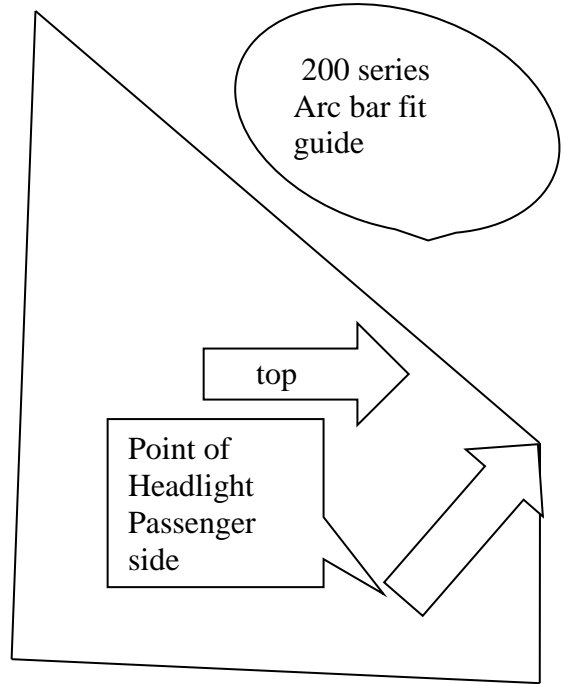
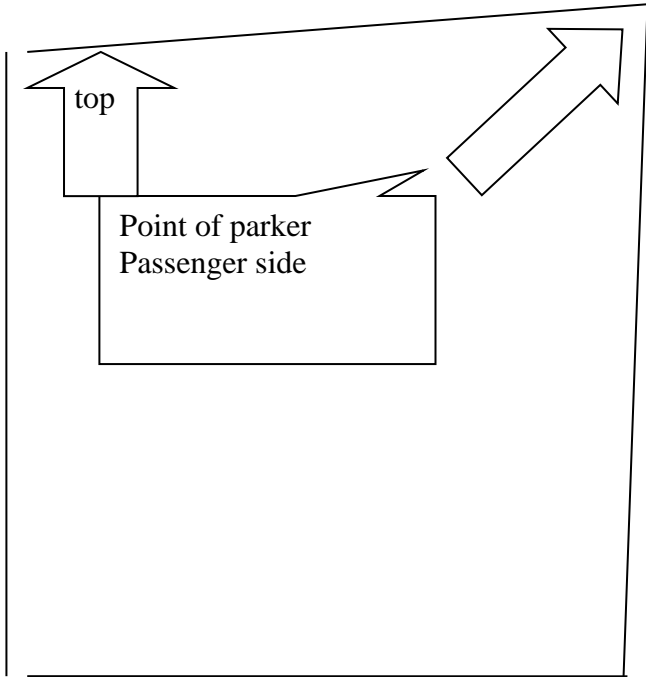
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**Figure 1: Templates**

Check measurement as some printers may vary.

Continued next page





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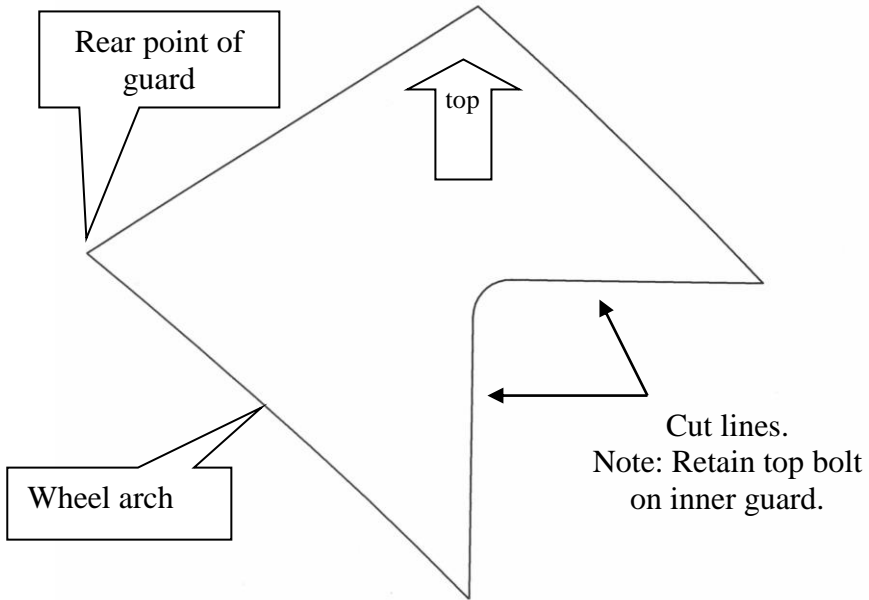


Figure 1: Templates continued.



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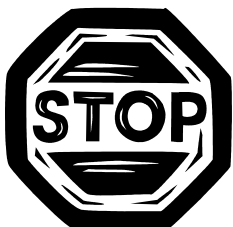
# DESPATCH CHECKLIST EAT106SY

ICZBKCT106



Work Order #	
Finish:	
Transport:	
Due Date:	

- 1 – ECB Steel mounting bracket.
- 1 – ECB under body guard. **P/C black**
- 1 – Pair ECB side under body guards. **P/C black**
- 2 – ECB inner guard rear support. – ***In Kit***
- 1 – ECB inner guard front support. **P/C black – *In kit***
- 1 – Bolt kit.
- 1 – ECB LED Indicator / Park light kit.
- 1 – ECB fog light kit
- 2 – ECB fog light trims (in fitting kit)
- 1 – 2700mm length 6mm clip lock trim long.
- 1 – 2700mm length 3mm clip lock trim long.
- 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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