



**WORLD'S BEST
ALLOY BULLBARS**

East Coast Bullbars (ECB Pty Ltd)

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NB6T31SY / NBT31SY

REPLACES: 00.00.00
REVISED: 15.11.10

FITTING INSTRUCTIONS

TOYOTA KLUGER 10/10 ON 63mm SERIES 2 NUDGE BAR AND 76mm NUGDE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Lift Bonnet
2. Remove grille fill panel from between headlamps and radiator support. (Eleven Plastic push pull clips)
3. Remove grille. Six plastic push pull clips. Pull forward and slide hand to bottom of grille. Working from the side, unclip by releasing centre of clip from bumper. **See Figure 1.**
4. Remove bumper cover. One 8mm head screw and one plastic clip (per side), eight 10mm head screws from under front of vehicle to splash guards and 1 plastic clip from under grille. Gently pull top of bar away from guard of vehicle to unclip from guard retaining clip.
5. Remove polystyrene bumper support.
6. Remove six 14mm bolts from inside of alloy intrusion bar. Remove intrusion bar.
7. Remove two 10mm head bolts and two push pull plastic clips from centre splash guard. Allow to hang.
8. Fit 4mm steel mounting section over rear of alloy intrusion bar. Using inside to inside measurement of mounts on protection bar, to outside to outside measurement of steel mounts, align mounts to evenly on intrusion bar. **See Figure 2.**
9. Mark and drill centre holes on rear and underside of mount. Exterior holes will align with standard holes for chassis mounting. Fit 3/8 x 1 ¼ Bolt and washer on wire, washer, spring washer and nut thru rear hole on mount and 3/8 nut and washer on wire, flat washer, spring washer and 3/8 bolt to lower hole. **FINGER TIGHTEN ONLY.**
10. Refit alloy intrusion bar to vehicle using original bolts. Centre bar and **TIGHTEN ALL BOLTS.**
11. Carefully refit original bumper onto three mounting points under grille. Bumper will come up against ECB steel mounts. Using ECB steel mounts as a guide, trim fins from lower grille. **See Figure 4.** Allow 10mm to outside of steel mounts for fitment of alloy bar mount. After original bumper grille is trimmed, refit to vehicle as per reverse of steps 2 to 5.
12. Attach ECB protection bar to outside of steel mounting system. Using 3/8 x 1 ½ bolts, nuts, flat washers and spring washers (supplied). **FINGER TIGHTEN ONLY. Note: Bolts are accessed from underside of bumper.**
13. Align protection bar with vehicle. **TIGHTEN ALL BOLTS AND NUTS. See figure 5 and 6, 7 and 8** for side and front views.
14. Refit original equipment splash guard.



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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

1 – Pair ECB steel mounts	8 – 3/8 spring washers
4 – 3/8 x 1 ½ bolts	2 – 3/8 x 1 ¼ bolts and washers on 300mm wire
2 – 3/8 x 1 bolts	2 – 3/8 nuts and washers on 300mm wire
12 – 3/8 washers	6 – 3/8 nuts



Figure 1: Lower view of grille clip. Push centre up

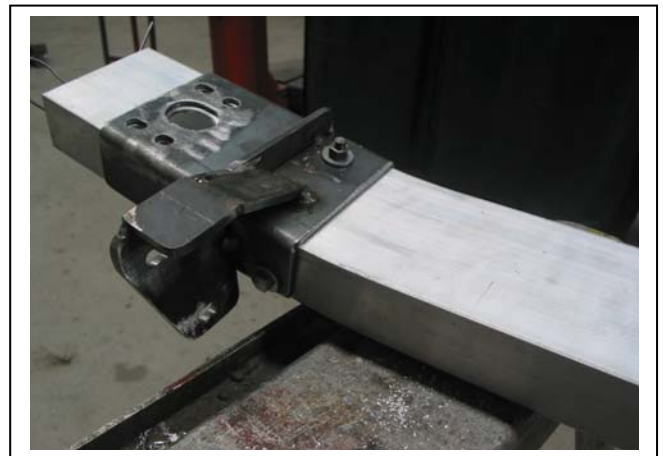


Figure 2: Passenger side steel mount fitted to Alloy intrusion bar



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Figure 3: Trim lower grille relative to steel mounts allowing room for Nudge bar to pass thru to outside. Drivers side shown.



Figure 4: Mounts fitted and bumper refitted to vehicle.

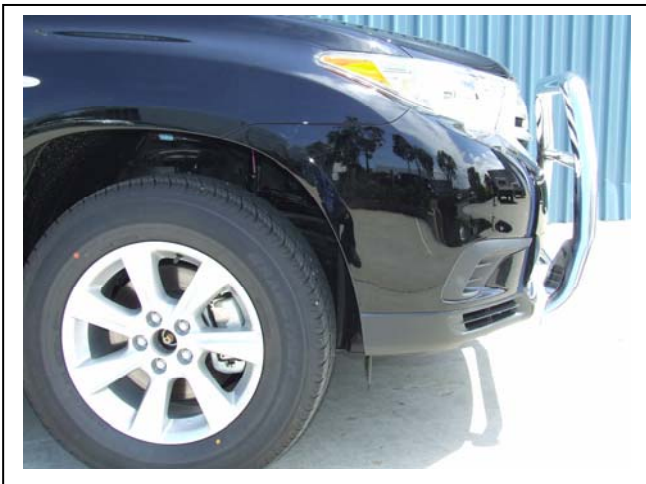


Figure 5: Series 2 Nudge Bar side view



Figure 6: Series 2 Nudge Bar front view



Figure 7: 76mm Nudge Bar side view



Figure 8: 76mm Nudge Bar front view



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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.

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

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

Margate QLD 4019

Fax to

(07) 3283 1168



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DESPATCH CHECKLIST NB6T31SY / NBT31SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- 1 – Pair ECB steel mounting brackets
- 1 – Bolt Kit



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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