

**NB6T33SY / NBT33SY**

REPLACES: 00.00.00

REVISED: 06.08.14

**FITTING INSTRUCTIONS**

**TOYOTA KLUGER 02/17-  
SERIES 2 63MM NUDGE BAR AND 76MM NUDGE BAR  
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)  
FOR AIR BAG & ADR COMPLIANT VEHICLES**

Check installation hardware before commencing.

1. Lift bonnet.
2. Remove radiator cover. Nine push pull plastic clips. Push centre of clip to remove and pull to outside to install.
3. From behind grille, disconnect camera and radar unit (if fitted). Remove six push pull plastic clips from top and centre mounts. Grille will be removed in one piece with bumper.
4. Behind grille, remove three push pull clips from top of bumper.
5. Under front of vehicle, from front ends of inner guards, remove two 10mm head screws (per side).
6. From underside of front edge of plastic bumper remove ten 10mm head screws
7. On centre underbelly guard, remove seven 10mm head bolts and one push pull plastic clip. Remove centre under body guard.
8. From rear of flare, remove two 10mm head bolts, two plastic push pull clips (one between bolts and one from guard side of bumper join). Behind centre of bumper end on inner guard, using a medium screwdriver, turn centre of plastic clip ½ turn and remove centre from clip. **See figure 1.**
9. Pull inner guards rearward away from front of bumper and wheel arch too allow access to rear of flare. Disconnect fog lights and daylight running lights and unclip wiring from rear of light assembly.
10. Unclip flare too second clip past guard / bumper join. Lower clips are accessed from rear of bumper **see figure 2**, whilst top two clips are push only style clips.
11. Gently unclip bumper from retaining clips where bolts are removed from inner guard and pull guard sides outward to release from guard, **see figure 3**. Carefully remove bumper from vehicle.
12. Remove polystyrene infill from bumper support.
13. From top of alloy bumper support, remove wiring and allow too hang. This will be refitted later.
14. Remove alloy bumper support, six 14mm head bolts, accessible from holes in front. **See figure 4.**
15. Install ECB steel mounting brackets (supplied) to rear of bumper support **see figures 5 and 6**. Align mounts using measurement from alloy protection bar mounts as a guide. Outside measurement of alloy protection bar should match inside of measure ECB steel mounting brackets. Using ECB steel mounting brackets as a guide, drill two holes in bumper support to 10mm. **Blow filings clear and treat all exposed metal with a rust inhibitor.**



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ALLOY BULLBARS**

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16. Fit ECB steel mounting brackets to rear of bumper support using two 3/8 x 1 1/4 bolts on wire, flat washers, spring washers and nuts (supplied). Install loosely at this stage.
17. Refit alloy bumper support and ECB steel mounting brackets to vehicle using original equipment bolts. Align mounting brackets so they are at correct measurement and as high as possible. **TIGHTEN ALL BOLTS.**
18. Using measurement between mounting brackets mark cut out in rear of bumper lower grille. Recheck measurements before cutting. **NOTE:** Alloy bar fits to inside of steel mounting brackets. **See figures 7 and 8.**
19. Refit bumper as per reverse of steps 1 to 10. Do not fit centre under body guard now.
20. Install ECB protection bar to inside of steel mounting brackets using two M10 x 40 bolts, flat washers, spring washers and nuts (supplied). **NOTE:** Rear bolts are accessible from under vehicle. Align ECB protection bar to vehicle, **see figures 9 and 10 for Series 2 Nudge Bar and figures 11 and 12 for 76mm Nudge Bar. Tighten all bolts.**
21. Refit under body guard.

#### **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 mounting brackets	12 – M10 flat washers
4 – 3/8 x 1 1/4 bolt and washer on 300 mm wire	8 – M10 spring washers
4 – 3/8 nuts	4 – M10 x 1.5 nuts
4 – M10 x 1.5 x 40 bolts	



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**Figure 1:** Placement of hidden plastic clip. Turn centre ½ turn and remove.



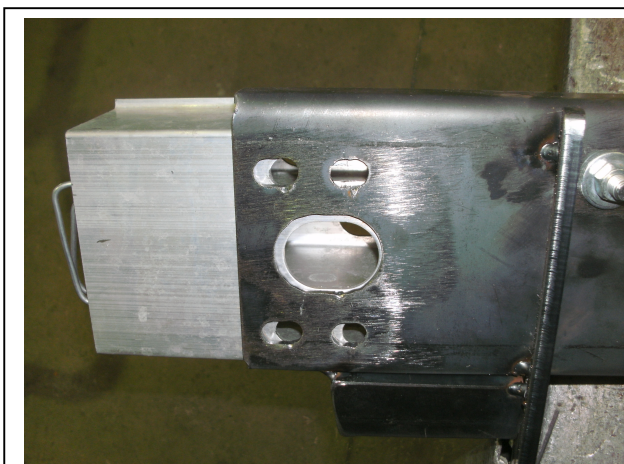
**Figure 2:** Lower flare clip



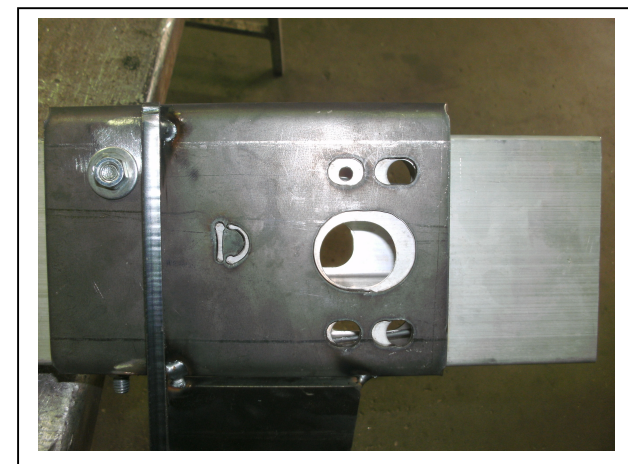
**Figure 3**



**Figure 4**



**Figure 5:** Passengers side



**Figure 6**





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**Figure 7**



**Figure 8**



**Figure 9: Series 2 Nudge Bar front**



**Figure 10: Series 2 Nudge Bar side**



**Figure 11: 76mm Nudge Bar Front**



**Figure 12: 76mm Nudge Bar side**





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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  
PO Box 122  
Margate QLD 4019

**Fax to**  
(07) 3283 1168



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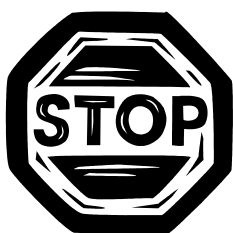
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## **DESPATCH CHECKLIST NB6T33SY / NBT33SY**

Work Order #		<b>See other side of this page for photos of all mounts</b>
Finish:		
Transport:		
Due Date:		

OC.....1 – Pair Steel mounting brackets.

BK.....1 – Bolt Kit.



**Is this product “the best it can be” Yes**

**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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IDENTICAL MOUNT TO NBT32SY / NB6T32SY

\_\_\_\_\_  
Wrapper's initials / Checker initials