



**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

**BN111SY**

REPLACES: 00.00.00

REVISED: 04.07.14

## **FITTING INSTRUCTIONS**

### **NISSAN XTRAIL T32 4/13 ON BIG TUBE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES**

Check installation hardware before commencing.

Should vehicle not have fog lights installed, an aftermarket wiring harness will need to be installed. Please ask your ECB dealer for an ASL Wiring kit

1. Lift bonnet.
2. Remove four push pull plastic clips from top of grill between headlights. Using a flat screwdriver, from hole in top of grille near the headlight, rotate front section of the plastic clip whilst gently pulling forward to unclip. **See figure 1.** Using the same screwdriver, gently lever the outer lower corner clips by placing tip between the grille and the clip. Press centre clips up to remove grille.
3. From front of wheel arches, remove two T20 Torx screws. Underside front of vehicle, remove four T20 Torx screws (per side) and six plastic push pull clips across the centre. Pull inner guards away from underside of vehicle and disconnect fog lights (if fitted).
4. Carefully pull wheel arch trims away from front of bumper end and guard to second clip. **See figure 2.** Remove one 10mm head screw (per side) and two plastic clips from area on inner guard were T20 Torx bolts were removed. Carefully pull sides of bumper out to unclip from guard and then forward to unclip from headlight. Carefully remove two plastic push pull clips from beside headlights (caution, these are the last two clips and bumper may fall from vehicle).
5. Remove polystyrene infill from bumper support.
6. Remove lower plastic bumper support, two 10mm nuts and four push pull plastic clips and lower air dam, two push pull plastic clips.
7. From top mount of oil cooler, remove two 10mm bolts. Allow oil cooler to hang.
8. Under right hand headlight, remove sensor box and mount from top of bumper support. One 10mm head bolt. Remove air sensor from passenger's side.
9. Remove bumper support from crash can, six 13mm head bolts.
10. Trim air dams on vehicle to allow access to mount for tightening of bolts and mount fitment. **See figures 3 and 4.**
11. Fit ECB steel mount onto crash cans using original equipment nuts. **See figure 5.** Centralise to vehicle and tighten all nuts. Using ECB steel mount as a guide, drill two holes (per side) where existing holes in crash can are situated to 10mm. **See figure 6. Blow filings clear and treat all exposed metal with a rust inhibitor.** Install two M10 x 30 bolts, flat washers, spring washers and nuts (per side). Tighten all bolts.



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12. Install ECB steel mount gussets to top and bottom of the crash can using M8 x 120mm bolts, flat washers and nyloc nuts for passengers side and M8 x 110 bolts, flat washers and nyloc nuts for drivers side. Fit two M10 x 30 bolts to top and one M10 x 30 bolt, flat washers, spring washers and nuts to bottom at rear of bumper support. Tighten all bolts. **See figures 7 and 8.**
13. Fit oil cooler and sensor box back into position on ECB steel mount using three M6 x 20 bolts, flat washer and nyloc nuts. Install air sensor back to original position, using a zip tie to hold firmly in position. Zip tie wiring to top of ECB steel mount. **See figure 9 and 10.**
14. Refit polystyrene infill back to front of ECB steel mount.
15. Using measurement of ECB steel mounting brackets, trim lower radiator grille to fit over. Allow extra room to inside of mount for alloy protection bar to slide in. **See figure 11.**
16. Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.
17. Connect ECB Quick Click fog light wiring harness (supplied) into original wiring harness. Should vehicle not be equipped with fog lights from standard, wire vehicle using aftermarket wiring kit (ASL wiring kit available through your ECB distributor) with switching wires attached to parking lights for correct operation.
18. Remove fog lights from plastic bumper. Replace fog light surround for best finish fitment completion. Should vehicle not have original equipment fog lights, a hole will need to be drilled in the inner corner of the blanking trim to allow exit of the fog light and indicator wiring for the ECB protection bar.
19. Refit bumper back to vehicle as per reverse of steps 2 to 4. Please do not refit lower plastic bumper support or lower air dam at this point. This area will be needed to fit rear bolts of protection bar. **See figure 12.**
20. Fit ECB LED indicator / park lights into protection bar as per instructions supplied with the LED indicator kit. **NOTE: Ensure park light is to outside. See figure 13.**
21. 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 figure 14.**
22. Attach 6mm clip lock trim (supplied) to top of ECB protection bar. **NOTE:** Trim off lower edge on an angle so trim will sit flush with end of protection bar. **See figures 15, 16 and 17.**
23. Attach 6mm clip lock trim (supplied) to air dam holes in ECB protection bar skirt. **NOTE:** Place join to centre top of hole and trim ends flat for best finish.
24. Install ECB protection Bar onto ECB steel mounts using six M10 x 40 bolts, flat washers, spring washers and nuts. Rear bolts are accessed from under the bumper of the vehicle. **TIP:** bolts fitted from the inside of the protection bar gives the best results.
25. Align ECB protection Bar to vehicle. Tighten all bolts. **See figure 18 and 19.**
26. Complete assembly of air dams and lower plastic bumper support as per reverse of steps 2 to 4.
27. Check operation of ECB indicator / park lights and ECB fog lights.



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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:**

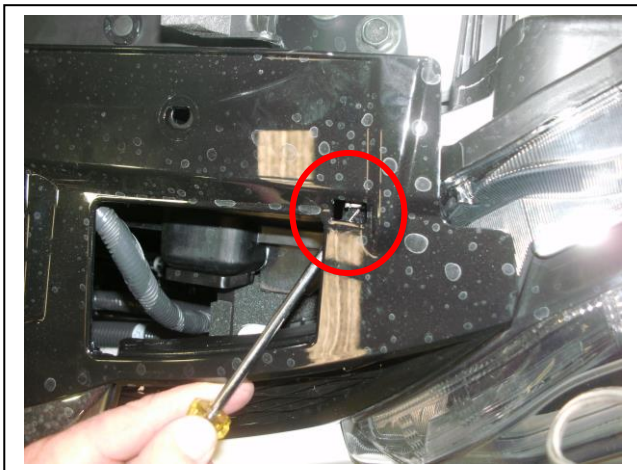
- Do not attach VFPS to the vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts).
- Do not use this product for any vehicle make or model, other than those specified by the VFPS manufacturer.
- Do not remove the plaque or label from the VFPS.
- Do not modify the structure 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 mount	6 – M6 flat washers
2 – ECB top mount gussets – <b>in kit</b>	2 – M6 spring washers
1 – Pair ECB lower mount gussets – <b>in kit</b>	2 – M6 nuts
10 – M10 x 1.5 x 30 bolts	3 – M6 nyloc nuts
6 – M10 x 1.5 x 40 bolts	1 – ECB indicator / park kit
32 – M10 flat washers	6 – cable locks
16 – M10 spring washers	1 – Fog light kit
16 – M10 x 1.5 nuts	1 – quick click fog harness (IC10D40S1004ECBH)
2 – M8 x 120 bolts	2 – Fog light surrounds
2 – M8 x 110 bolts	10 – 300mm zip ties
8 – M8 flat washers	1 – 2200 mm length 6mm clip lock trim
4 – M8 Nyloc nuts	2 – 800 mm length 6mm clip lock trim
5 – M6 x 20 bolts	



**Figure 1:** Placement of clip and screwdriver for removal.



**Figure 2**



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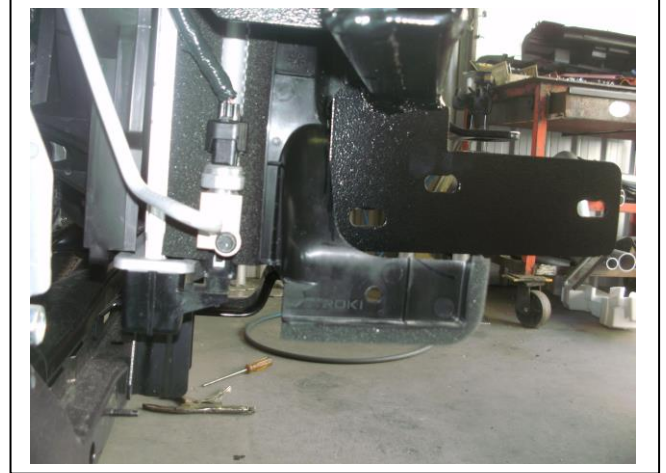
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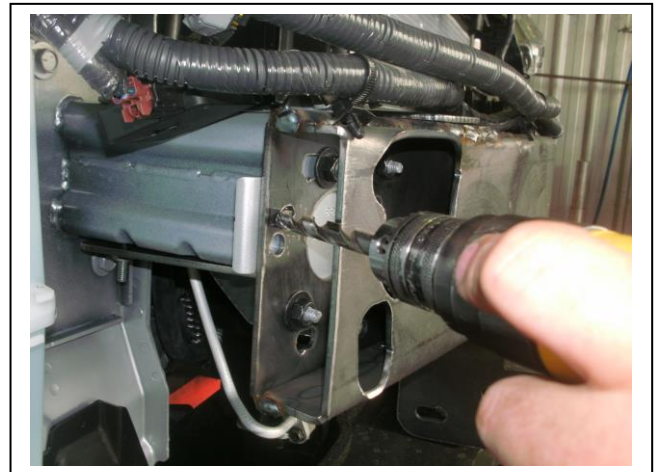
**Figure 3**



**Figure 4: Big tube mount used for photo.**



**Figure 5: ECB Steel mount fitted.**



**Figure 6: Drilling outer hole on drivers side**



**Figure 7: Top mount gusset, removed from vehicle for photo**



**Figure 8: Lower mount gusset, removed from vehicle for photo**



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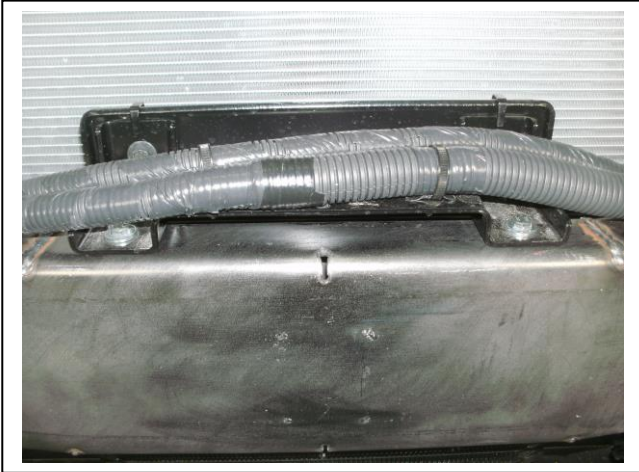


Figure 9: Oil cooler remounted

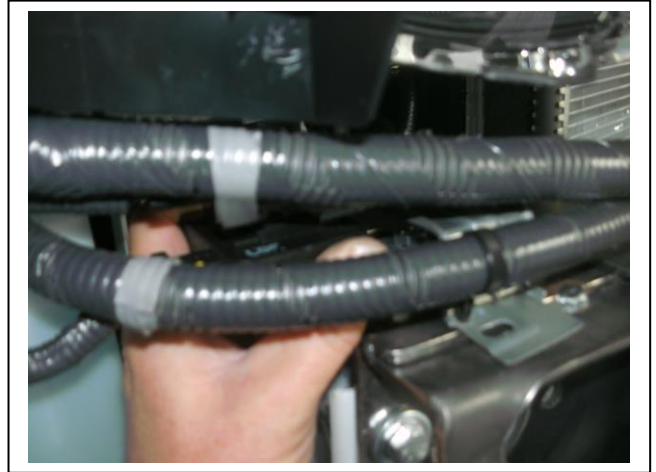


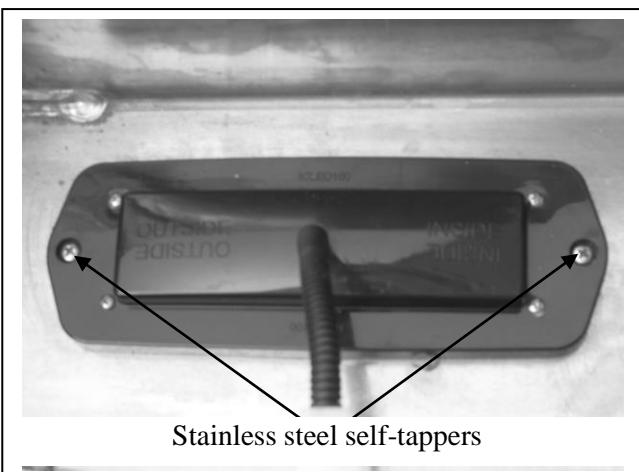
Figure 10: Sensor box being remounted into position



Figure 11: Trim area on grille

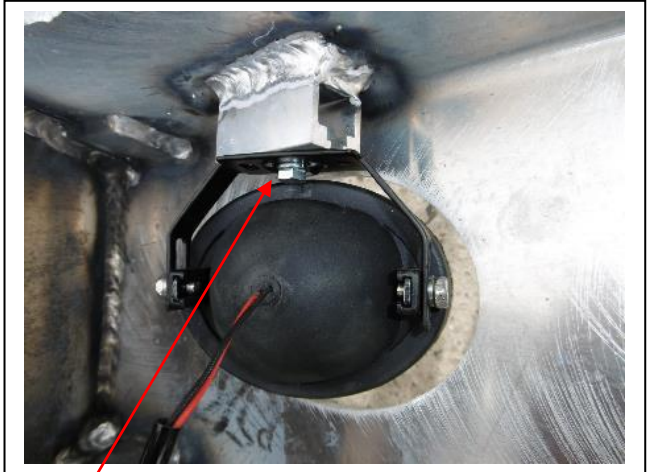


Figure 12: ECB steel Mount with bumper fitted



Stainless steel self-tappers

Figure 13



M6 bolt

Figure 14



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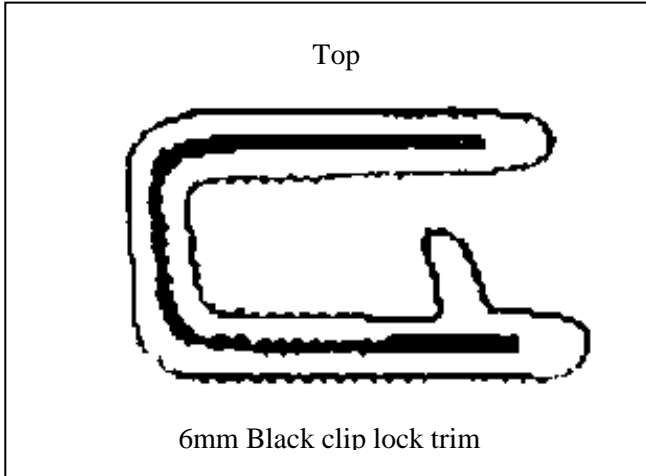


Figure 15

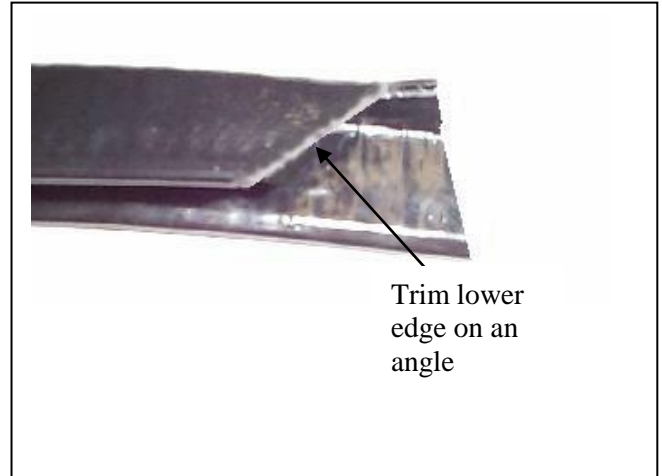


Figure 16

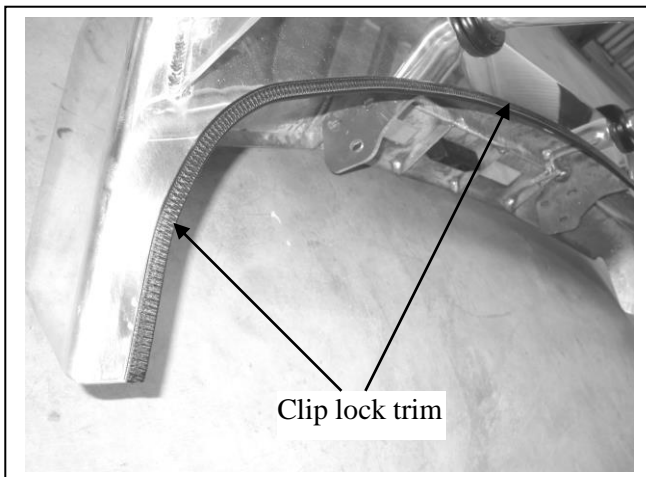


Figure 17



Figure 11: Front view



Figure 12: Side 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.

<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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## DESPATCH CHECKLIST BN111SY

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

- OC.....1 – Steel mounting bracket.
- BK.....2 – Steel top mount gussets
- BK.....1 – Pair Steel lower mount gussets
- OC.....2 – ECB overrides
- OC.....3 – 6mm air vents
- BK.....1 – Bolt Kit
- BK.....1 – Indi / park kit
- BK.....1 – Fog light kit
- BK.....2 – Fog light trims
- BK.....1 – quick click fog wiring kit (IC10D40S1004ECBH)
- BK.....1 – 2200 length 6mm clip lock trim
- BK.....2 – 800 length 6mm clip lock trim



**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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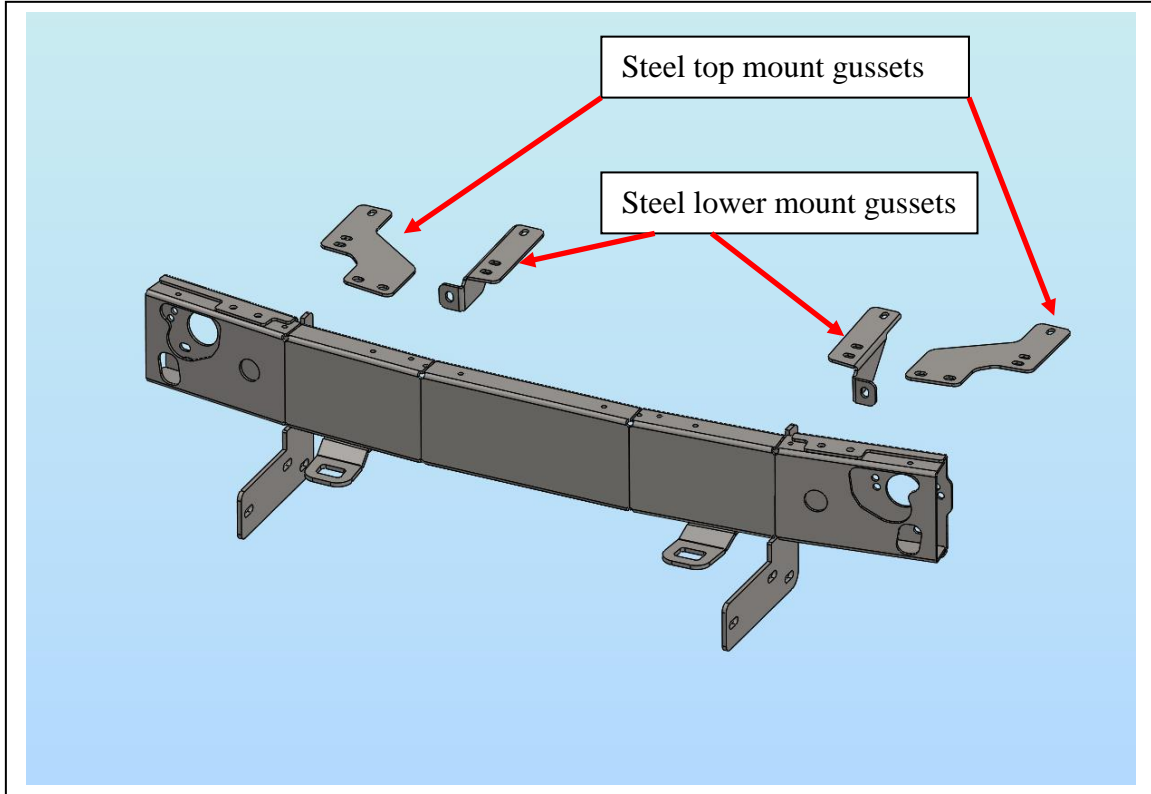
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