



East Coast Bullbars (ECB Pty Ltd)

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World's Best Alloy BULLBARS

29 Snook St  
Clontarf QLD 4019  
Australia

Po Box 122  
Margate QLD 4019  
Australia

**NBN110SY**

REPLACES: 00.00.00

REVISED: 15.12.10

## FITTING INSTRUCTIONS

### NISSAN X-TRAIL 01/10 on 76mm NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG AND ADR COMPLIANT VEHICLES

Check installation hardware before commencing.  
Special tools: T20 Torx bit and suitable bit holder.

1. Lift bonnet.
2. Remove four plastic push pull clips from bumper cover to radiator support and two plastic push pull clips closest to headlamps (1 per side). Remove one plastic push pull clip from lower centre of bumper behind grille (Access from behind grille).
3. Remove eight plastic push pull clips from underside of plastic cross member guard. Allow to hang on rear clips.
4. Remove three plastic push pull clips from lower bumper cover under cross member guard.
5. Using a T20 Torx bit, remove four Torx screws (per side) from underside of inner guard and front wheel arch. Pull lower section of inner guard down from rear of bumper and release side trim from bumper taking care not to pull from guard clips. **See figure 1.** (Should this happen, release clips from guard and fit back into trim before refitting to guard.) Slide inner guard out from behind rear of bumper.
6. Remove one 10mm head screw (per side) from underside rear wing of bumper where meets guard.
7. Pull sides of bar out carefully to unclip from retaining clips on guard just behind headlamps. Remove bumper.
8. **PETROL VEHICLES ONLY:** Using a sharp knife, trim black plastic radiator air flow as per **Figures 2 and 3.** Go to step 10.
9. **TURBO DIESEL VEHICLES ONLY:** Using a sharp knife, on drivers side of vehicle, trim the section of plastic radiator air flow between the radiator support and rear of intercooler. **See figure 4.**
10. **ON PASSENGERS SIDE:** Remove three 13mm bolts from radiator support. (Two from bumper support and one inner bolt from lower radiator support). **See figure 5.** For turbo Diesel vehicles, remove mount for turbo intercooler, two 12mm bolts from lower section of mount, one 13mm intercooler mount bolt and one 10mm bolt from beside intercooler mount bolt into radiator support.
11. Fit ECB Steel mounting brackets to radiator support panel using M8 x 40mm bolts, spring washers and flat washers (supplied). Place 30mm Steel washers between top holes in mounts and vehicle. **FINGER TIGHTEN ONLY. See figures 6. NOTE:** Intercooler mount bracket protrudes through opening in centre of ECB Steel mount brackets.
12. **TURBO DIESEL MODELS:** When refitting intercooler mounting bracket. Remove plastic keeper, rubber centraliser and intercooler mount. Turn upside down and refit to vehicle. Trim bolt on rear of mount flat to nut. (Two 12mm bolts, one 13mm bolt, one 10mm bolt). **See figure 7.**
13. Repeat for driver's side of vehicle.



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14. Using measurement for inside of ECB Alloy Protection Bar mounts, adjust external measurements of steel mounts to fit. **TIGHTEN MOUNTS.** Check mounts for vertical and straight. Ensure mounts do not rub on any part of the original equipment. Failure to do this may result in damage to the original vehicle equipment. **Warning:** Tight tolerances apply around the area of the intercooler on turbo Diesel vehicles.
15. Using ECB Steel mounting brackets as a guide, drill two 10mm holes (per side) in front of bumper support. See **figure 8.** **NOTE: Blow all filings from chassis and treat all drilled holes with paint or rust proofing as installing.** Fit two 3/8 x 1 ¼ bolts and washers on 300mm wire (per side) into end of bumper support to line up with holes, Secure with 3/8 nuts, spring washers and flat washers. **Tighten all bolts.**
16. Refit bumper cover as per reverse of steps 1 – 7. **Note:** Rear outer edge of lower vent may need to be trimmed to clear ECB steel mounting bracket to ensure pressure is released from wing fittings. Trim as required to suit your vehicle.
17. Using two 3/8 x 1 ½ bolts, spring washers, flat washers and 3/8 nuts (per side), fit ECB Alloy protection bar to steel mounting brackets. **FINGER TIGHTEN ONLY.**
18. Align Protection bar with vehicle. **TIGHTEN ALL BOLTS. See figures 9 and 10**

**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 steel protection Bar mounts              | 4 – 3/8 x 1 ½ bolts    |
| 4 – 30mm (OD) x 8mm (ID) x 6mm flat steel washers | 20 – 3/8 flat washers  |
| 6 – M8 x 40mm Bolts                               | 8 – 3/8 spring washers |
| 6 – M8 Spring washers                             | 8 – 3/8 nuts           |
| 4 – 3/8 x 1 ¼ bolts and washers on 300mm wire     |                        |



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Figure 1 – View of Flare, removed from guard

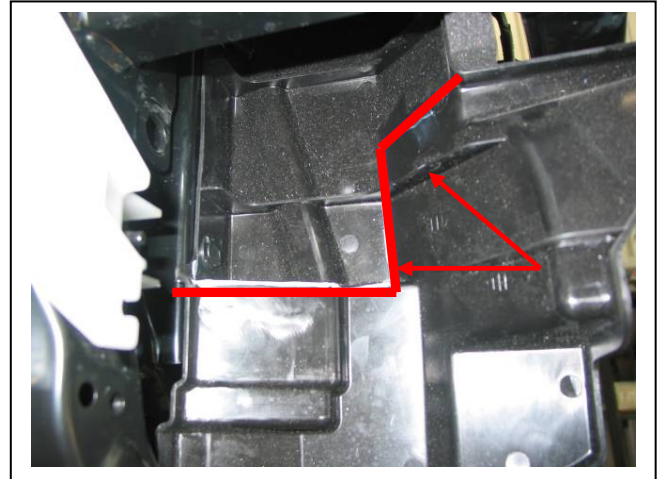


Figure 2 – Petrol Model, Drivers side shown

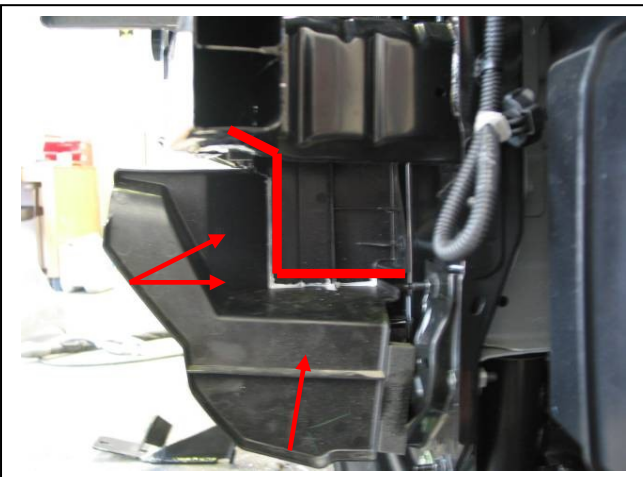


Figure 3 – Petrol model, Passengers side shown

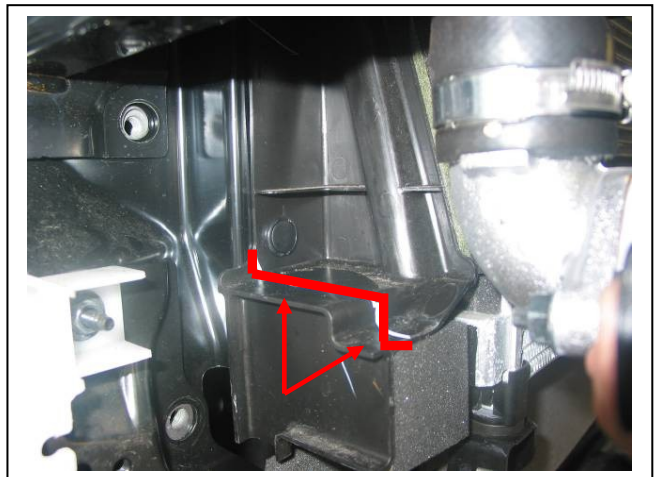


Figure 4 – Turbo diesel, driver's side shown

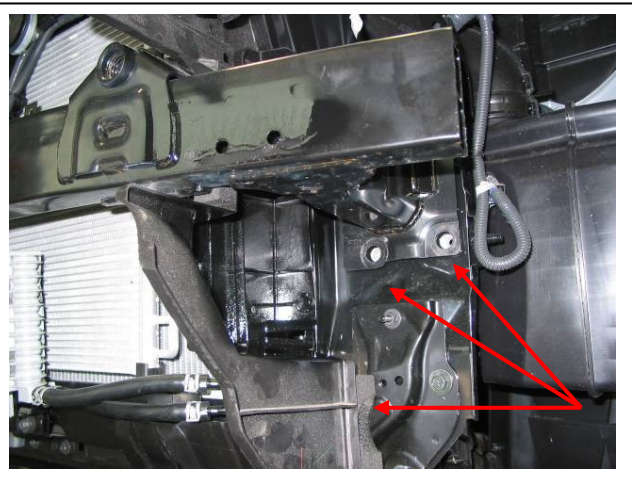


Figure 5 – Three 13mm bolts to be removed.  
Petrol model shown.

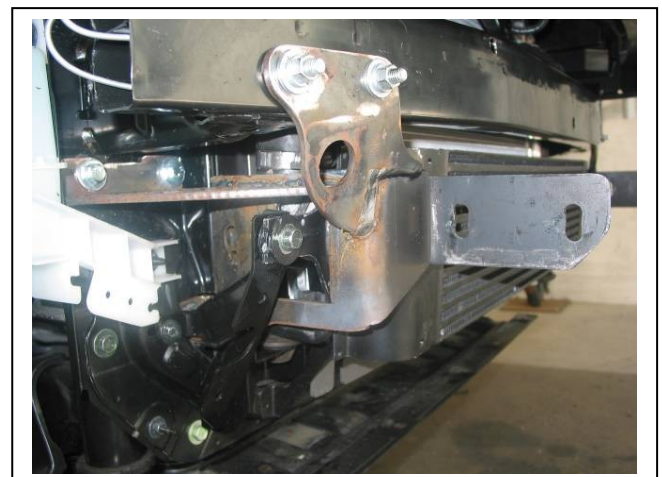


Figure 6 – Mount fitted on vehicle body



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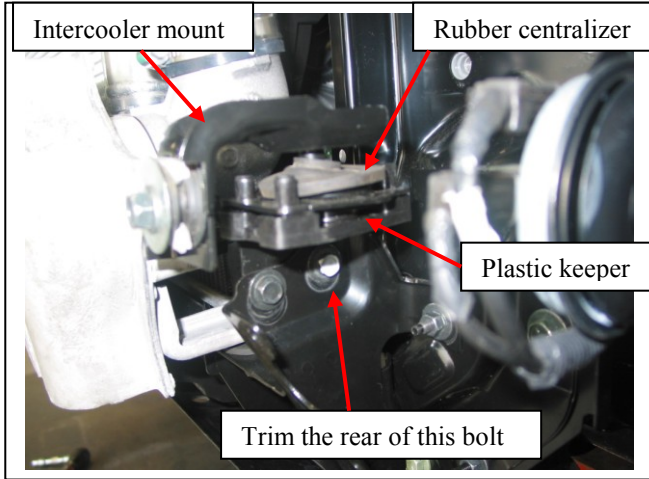


Figure 7 – Completed intercooler mount change.

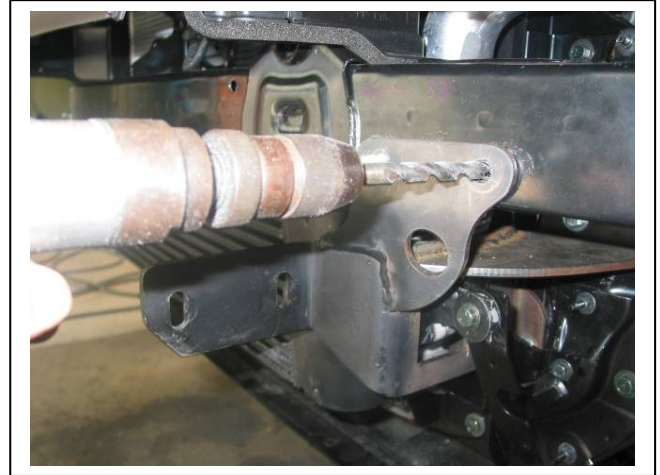


Figure 8 – Using 10mm drill in top of ECB mount bracket



Figure 9 – 76mm Nudge bar, front view



Figure 10 – 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.

|                               |  |
|-------------------------------|--|
| <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:** \_\_\_\_/\_\_\_\_/\_\_\_\_

Yes

No

Was the fitting hardware supplied complete?



If no what was not supplied

---



---

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  
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**"LEGENDARY"**  
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## DESPATCH CHECKLIST NBN110SY

|              |  |
|--------------|--|
| Work Order # |  |
| Finish:      |  |
| Transport:   |  |
| Due Date:    |  |

- 1– Pair steel mounting brackets.
- 1 – Bolt Kit
- 4 – 30 mm (OD) x 8mm (ID), 6mm steel washers



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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