



East Coast Bullbars (ECB Pty Ltd)

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REPLACES: 13.12.12
REVISED: 22.10.14

8M103SY / NBM103SY/ NB6M103SY

FITTING INSTRUCTIONS

NS/NT PAJERO 10/06on TYPE 8, 76MM NUDGE BAR & 63MM SERIES 2 NUDGE BAR

VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

NOTE: On drivers side of Exceed model, there is a siren box mounted to the outside of the chassis rail. The mounting bolts, although they look like rivets are actually M8 bolts with a break away section for security. To remove these bolts, drill with small drill and use “an easy out”. Or a second method is, with small chisel, place a slit in the outer edge of the rivet section. Use the chisel or a punch to rotate the rivet section to undo the bolt. Remove from vehicle. **See figures 1 and 2.**

1. Remove protection guard from tow bracket area.
2. Remove front of inner guards. Two plastic screw clips and one 10mm head bolt (flare to inner guard), three plastic clips (chassis rail), two plastic clips on lower inner guard (each side). Fold *inner guard clear* of chassis.
3. Turn wheel outward for easier access. For drivers side on exceed model, remove lower security bolt from siren box. Bend siren box away from vehicle at bottom.
4. Position steel mounting brackets (supplied) on outside of chassis approximately **5mm rearward from edge** of 25mm hole in lower front chassis. For drivers side, insert M8 x 30 bolt, spring washer, M8 flat washer and M10 flat washer into front hole in mount and lower hole in siren.
5. Mark centre of rear most slot hole on chassis. Centre punch and drill 10mm hole through outer chassis only. **See figures 3 and 4.**
6. Insert $\frac{3}{8} \times 1 \frac{1}{2}$ bolt/washer on wire (supplied) (bend to suit), through lower 25mm chassis hole and out of 10mm hole just drilled. **See figure 5 NOTE:** 25mm access hole in chassis may need to be enlarged. Use die grinder or similar.
7. Position steel mounting brackets on bolt with bolt in centre of slot hole. Use 3/8 nut/washers (supplied) and **TIGHTEN IN POSITION**. Ensuring steel flat welded off steel mounting brackets is hard up against lower chassis.
8. On passenger side, drill forward hole in centre of slot hole on mount through chassis. Use 3/8 x 1 1/2 bolt/washer on wire (supplied). **FINGER TIGHTEN ONLY.**
10. Position protection bar on inside of steel mounts. **See figure 6.** Install two 3/8 x 1 1/2 bolts and nuts (supplied) for rear holes, swing protection bar up into position. Align in position with vehicle and **TIGHTEN BOLTS.** **NOTE: See figures 7, 9 and 11** for front views and **figures 8, 10 and 12** for side views.
11. If necessary, loosen rear nut on steel mount to allow steel mount to move on chassis for extra adjustment. Drill forward holes in centre of protection bar tube using steel mount as a guide. Use 3/8 x 1 1/2 bolts with nuts on wire (supplied).



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12. **TIGHTEN ALL BOLTS.**

13. Trim wire off on mount bolts leaving approximately 50mm of wire out of access hole.

14. Refit protection guard to vehicle.

15. Refit plastic inner guards to vehicle.

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

2 – Steel mounting brackets.	10 – 3/8 flat washers.
3 – 3/8 x 1 1/2 bolts/washer on 250mm wire	7 – 3/8 spring washers.
4 – 3/8 x 1 1/2 bolts	1 – M8 x 30 bolt
7 – 3/8 nuts.	1 – M8 spring washer
2 – 3/8 nuts/washer on wire.	1 – M8 flat washer

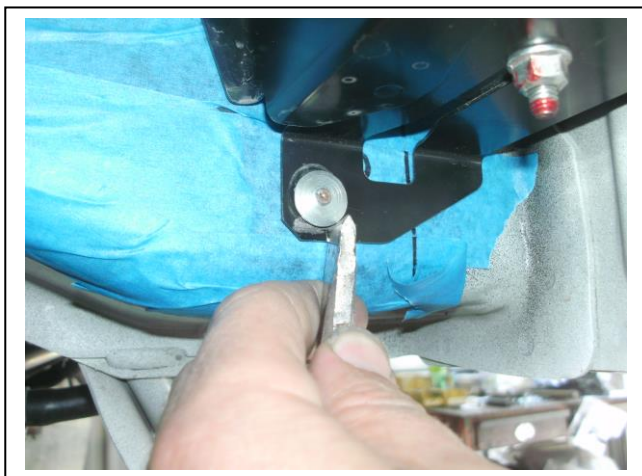


Figure 1: Using chisel to place cut in edge of security bolt.



Figure 2: View of security bolt when removed from vehicle.



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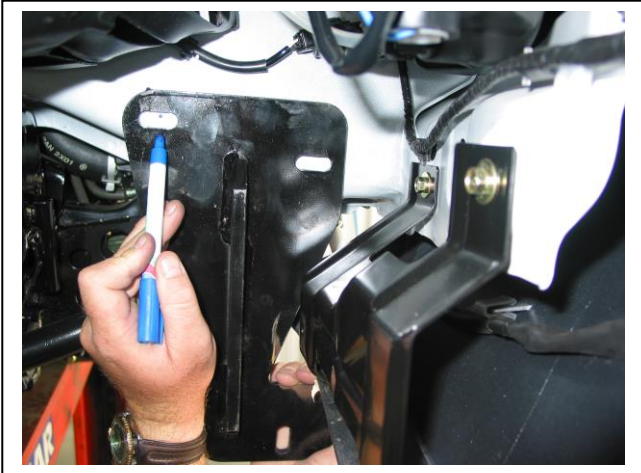


Figure 3 – Marking centre of rear slot for centre punch and drilling

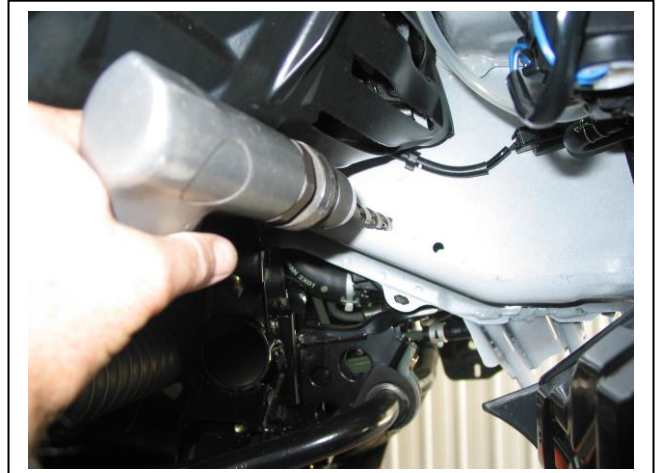
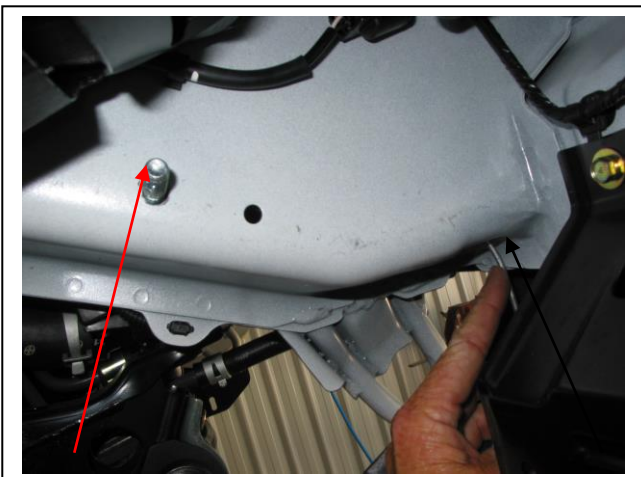


Figure 4



3/8 x 1 1/2 bolt,
washer on wire

Figure 5

Insert here



Figure 6 – Series 2 Nudge Bar shown



Figure 7 – Type 8 front view shown



Figure 8 – Type 8 side view shown



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Figure 9 – 63mm Series 2 Nudge Bar front view shown



Figure 10– 63mm Series 2 Nudge Bar side view shown



Figure 11– 76mm Nudge Bar front view shown



Figure 12 – 76mm Nudge Bar side view shown

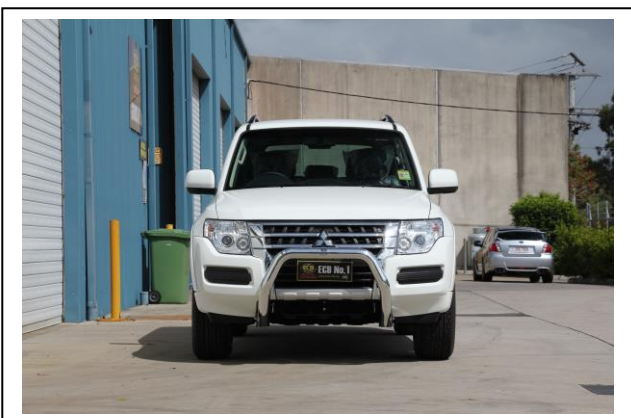


Figure 13– 76mm Nudge Bar front view shown



Figure 14 – 76mm Nudge Bar side view shown



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Figure 15–Series 2 Nudge Bar front view shown



Figure 16 –Series 2 Nudge Bar side view shown



Figure 17– Type 8 front view shown

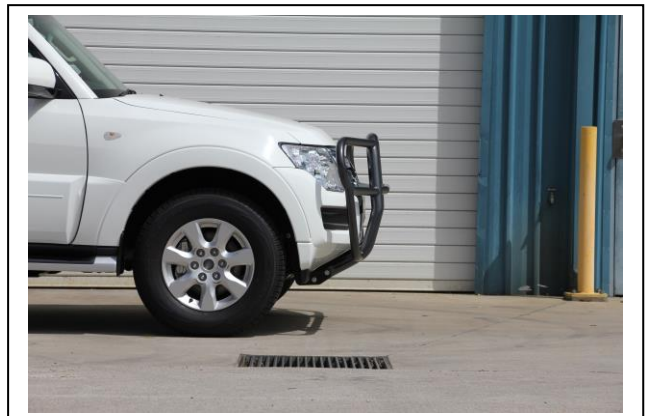


Figure 18 – Type 8 side view shown



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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:

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
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Fax to
(07) 3283 1168



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DESPATCH CHECKLIST

8M103SY / NBM103SY / NB6M103SY

ICZBKTM103

* I CZBKTM103*

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

- 2 – 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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