



**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

8T54SY / MT54SY / NBT54SY / NB6T54SY

REPLACES: 28.10.03
REVISED: 28.06.10

FITTING INSTRUCTIONS

RAV 4 7/00-12/05 TYPE 8, MIDI TUBE, 76mm and 63mm SERIES 2 NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Remove plastic under guards from vehicle. Three 10mm head bolts, three plastic clips and two 10mm self-tappers (each side). **See figure 1.**
2. Grind edge off inside of tow hook. **See figure 2. Treat exposed metal.**
3. **7/00-9/03 Models** – Drill 10mm hole through existing hole in vehicle above tie down brackets for top hole. Feed 3/8 x 1 1/2 bolt (supplied) through hole, from outside. Place 40mm off set alloy spacer over bolt. **See figure 3. Treat exposed metal prior to bolt fitment** (Note some models may not require the hole to be drilled to 10mm)

10/03- Models – On driver's side remove 10mm head self-tapper from plastic guard and pull plastic guard downwards to access washer bottle. **See figure 4.** Remove two lower 10mm head bolts from washer bottle, **see figure 5**, and move washer bottle out clear of top chassis hole. Drill existing hole in chassis to 10mm. **Treat exposed metal prior to bolt fitment.** Feed 3/8 x 1 1/2 bolt from outside, **see figure 6.** Place 40mm offset alloy spacer over bolt, **see figure 7.** (Note: some model may not require hole to be drilled out to 10mm). Refit washer bottle.
4. Attach steel mounting brackets (supplied) to inside of vehicle tie down brackets and over top bolt and offset spacer. Use 50mm round alloy plate (supplied), on outside of tow hook. Pass 3/8 x 1 3/4 bolt from inside **DO NOT TIGHTEN** **See figures 8 and 9.**
5. Attach protection bar to inside of steel mounting brackets. **NOTE:** Alloy spacers are provided to centralize protection bar on vehicle due to some vehicles having an offset body. On most vehicles both spacers will need to be fitted on drivers side between steel mount and protection bar **See figure 10.** Use 3/8 x 1 3/4 bolts/nuts (supplied) on passenger side and 3/8 x 2 bolts/nuts (supplied) on driver side. **NOTE:** One extra 3/8 x 1 3/4 bolt and one extra 3/8 x 1 3/4 bolt, washer on wire are supplied for if one spacer each side is required. **NOTE:** Use 3/8 bolts, washers on wire to access front holes.
6. Align protection bar with vehicle. For side views see **figures 11, 12, 13 and 14.**
7. **TIGHTEN** steel mounting brackets in position, then recheck protection bar alignment and **TIGHTEN ALL** protection bar bolts/nuts.
8. Drill a 10mm hole in vehicle, through the middle hole in each steel mount. **Treat exposed metal.** Use 3/8 x 1 1/2 bolt and nut (supplied). **TIGHTEN.** **See figure 15.**
9. Re-fit plastic under guards.



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NOTE: Towing points are provided on steel mounts. These are designed to be used together via a link for straight line towing and light snatching using an elastic type snatch rope. Always take care when towing or snatching and observe safety requirements of equipment being used.

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 – 6mm alloy spacer plates.	1 – 3/8 x 2 bolt.
2 – Steel mounting brackets.	1 – 3/8 x 2 bolts, washers on 200mm wire.
2 – 50mm round 6mm alloy plates with 10mm hole in centre.	2 – 3/8 x 1 3/4 bolts, washers on 200mm wire.
2 – 40mm round 6mm alloy offset plates with 10mm hole in centre.	10 – 3/8 nuts.
4 – 3/8 x 1 1/2 bolts.	18 – 3/8 flat washers.
4 – 3/8 x 1 3/4 bolts.	10 – 3/8 spring washers.



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Grind outer edge flush with inside edge



Plastic under guards

Figure 1

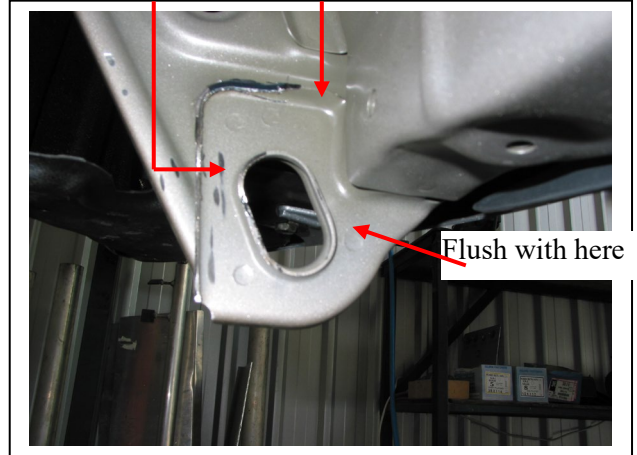


Figure 2

Bolt and alloy spacer

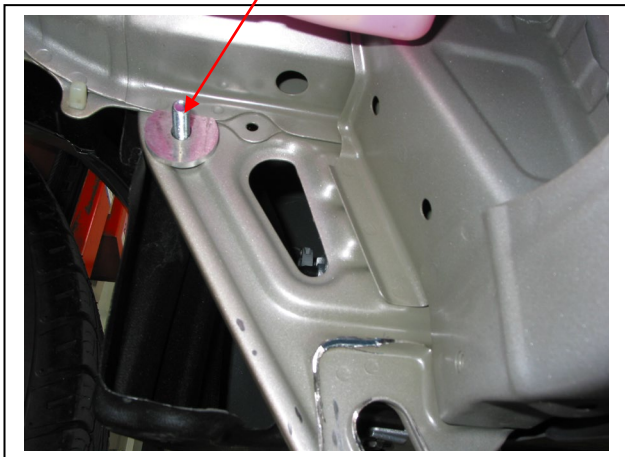


Figure 3 – Passenger side shown

Pulling plastic guard down to access washer bottle



Figure 4

Washer bottle bolts

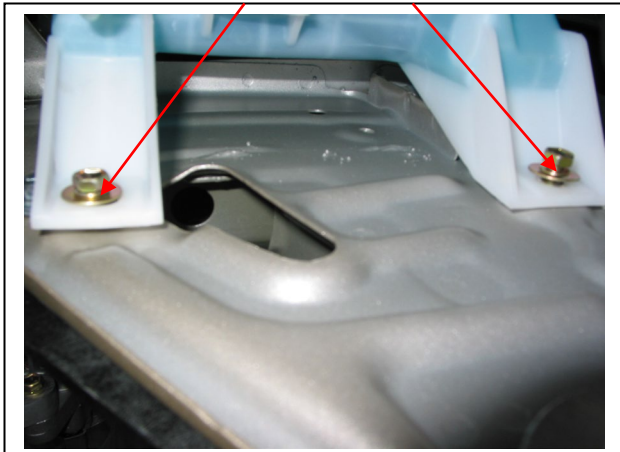


Figure 5

Shown feeding 3/8 x 1 1/2 bolt through hole near washer bottle



Figure 6



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Bolt and alloy spacer



Figure 7 – Driver side shown

50mm alloy plate / 3/8 x 1 3/4 bolt, nut

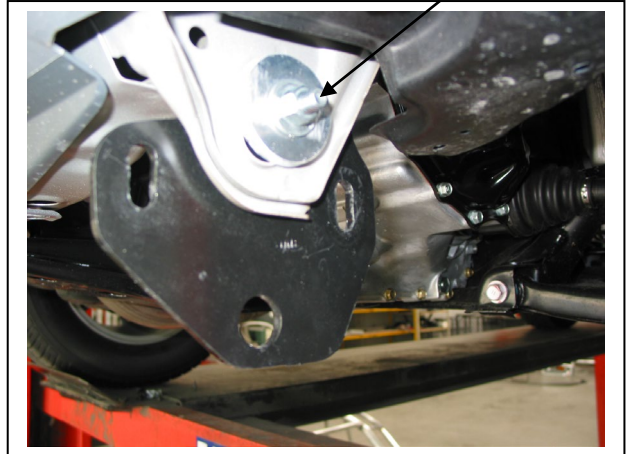


Figure 8 – Passenger side shown



Figure 9 – Passenger side shown



Figure 10

Shown fitting two 6mm spacers between protection bar and steel mounting brackets on drivers' side.



Figure 11 – Type 8 shown



Figure 12 – Midi Tube shown



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Figure 13 – 76mm Nudge Bar shown



Figure 14 – 63mm Series 2 Nudge Bar shown

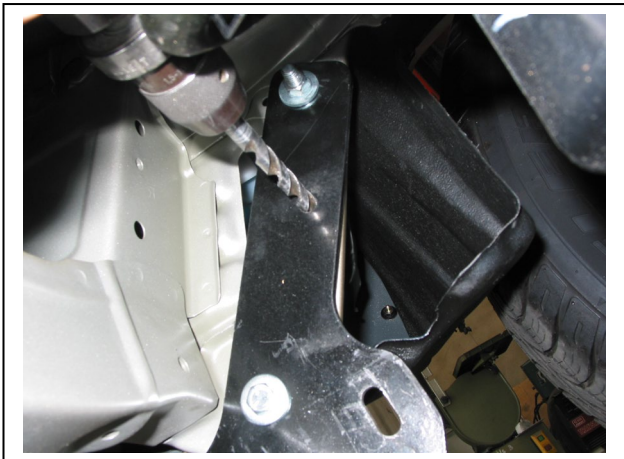


Figure 15 – Shown drilling driver's side



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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.

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

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ICZBKTT54



Work Order #	
Finish:	
Transport:	
Due Date:	

- 2 – 6mm alloy spacer plates
- 2 – Steel mounting brackets
- 1 – Bolt Kit

**See other side of
this page for
photos of all
mounts**



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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