



**WORLD'S BEST
ALLOY BULLBARS**

East Coast Bullbars (ECB Pty Ltd)

Tel: 07 3897 5700

Fax: 07 3283 1168

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Po Box 122
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BM59SY

REPLACES: 17.02.10

REVISED: 11.07.10

FITTING INSTRUCTIONS

TRITON MK MO2 TURBO DIESEL BIG TUBE™ BULBLAR (NON WINCH BAR) VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Remove indicators from bumper.
2. Remove metal tray attached to bottom of bumper. Five 10mm head bolts. Remove bumper side supports, two 12mm head bolts and two 12 mm nuts (each side). Loosen 14mm head bolts on bumper bar chassis brackets. Remove one 10mm head bolt (each side) from top of bumper side returns. Remove one 12mm head bolt at top centre of bumper (under grille). Access from either under bumper or pull down on bumper and access at top centre of bumper. Remove 14mm head bolts from bumper bar brackets pull bumper out off clips under headlights.
3. Place masking tape around grille area to avoid marking as installing.
4. Install ECB steel mounting brackets to chassis. **See figure 1 and 2.** Use M10 x 35 x 1.25 HT bolts/washers (supplied) for front captive chassis nuts. **FINGER TIGHTEN ONLY.** Use 3/8 x 1 ¼ bolts/nuts/washers (supplied) for drivers side lower bracket. **FINGER TIGHTEN ONLY.** Use 3/8 x 3 ½ bolts/nuts (supplied) for chassis holes.
5. Align ECB steel mounting brackets **TIGHTEN FIRM ONLY** M10 x 35 x 1.25 bolts. Check measurement between steel mounting brackets to correspond with alloy mounts in protection bar so protection bar alloy mounts will slide on inside of steel mounting brackets. **See figure 3.**
6. **TIGHTEN** all steel mounting brackets bolts/nuts.
7. Attach 6mm black clip lock trim to rear protection bar. **NOTE:** Trim off lower edge on an angle so trim will sit flush with end of protection bar. **See figures 4,5 and 6.**
8. Install ECB protection bar to inside of steel mounting brackets. Use ½ x 1 ½ bolts/nuts and washers (supplied).
9. Align protection bar with vehicle, ensuring approx 12-15mm clearance between protection bar and guard when viewed from the side. **See figure 7. TIGHTEN ALL BOLTS.**
10. Trim 2mm top and bottom from original indicator tab. **See figure 8.** Install into protection bar. Use indicator as a guide drill a 1/8 hole through protection bar bracket. Use original PK self-tapper. Reconnect plug and **CHECK OPERATION.**
NOTE: Some minor adjustments of protection bar brackets may be necessary.
11. Remove any masking tape.
12. Feed in ECB radiator protection plate behind tabs on steel mounting brackets and inside against fold on protection bar. **See figures 9 & 10.**
13. Align with protection bar and vehicle.



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14. Mark where holes are to be drilled in ECB radiator protection plate for attachment to steel mounting brackets. Remove and drill 8mm holes.
15. Remove outer air vents from protection bar (press in from behind, two points at top and two points at bottom to release air vent clips) to access bolts/nuts.
16. Attach ECB radiator protection plate to vehicle. Use M8x30x1.25 bolts/nuts and washers. **TIGHTEN IN POSITION. See figure 11.**
17. Drill one 8mm hole (each side) through fold on protection bar skirt and through ECB radiator protection plate. Use M8 x 30 x 1.25 bolts/nuts and washers. **TIGHTEN. See figure 12.**
NOTE: Drill holes in line with other M8 x 30 bolts.
18. Replace air vents (ECB logo to top). **See figure 13.**

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 – ECB Steel mounting brackets.	4 – M8 x 30 x 1.25 bolts/nuts.
1 – Radiator protection plate.	8 – M8 flat washers.
4 – M10 x 35 x 1.25 HT bolts.	4 – M8 spring washers.
1 – 3/8 x 1 ¼ HT bolts/nuts.	6 – ½ x 1 ½ HT bolts/nuts.
2 – 3/8 x 3 ½ HT bolts/nuts.	12 – M12 flat washers.
10 – M10 flat washers.	6 – M12 spring washers.
7 – M10 spring washers.	1 – 2200mm length 6mm black clip lock.



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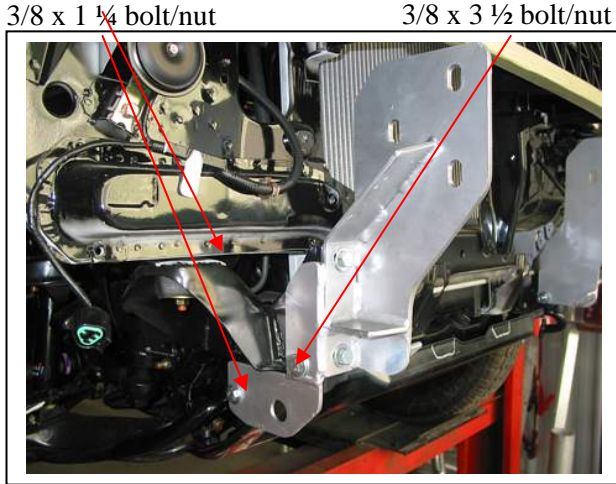


Figure 1 - Drivers side shown

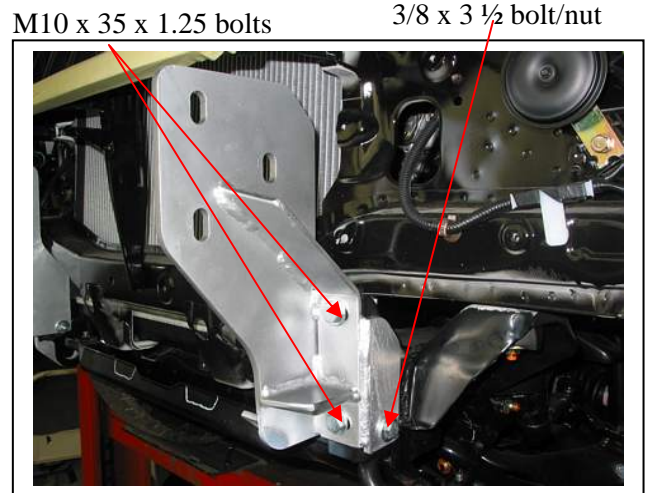


Figure 2 – Passenger side shown



Figure 3

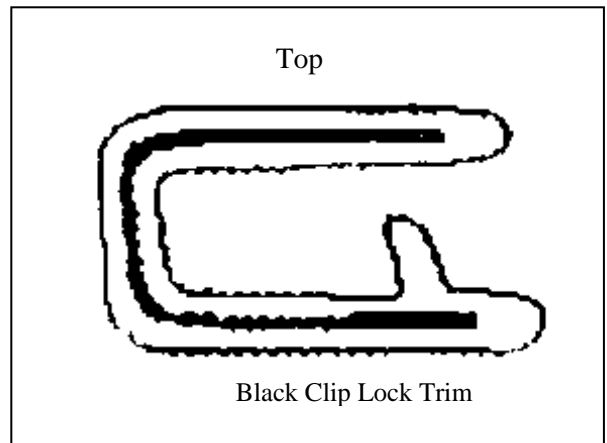


Figure 4

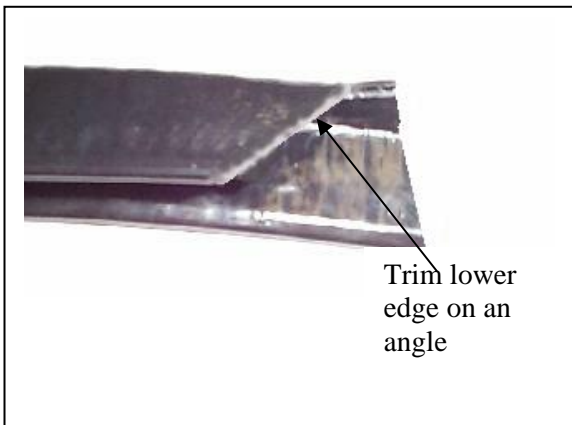


Figure 5

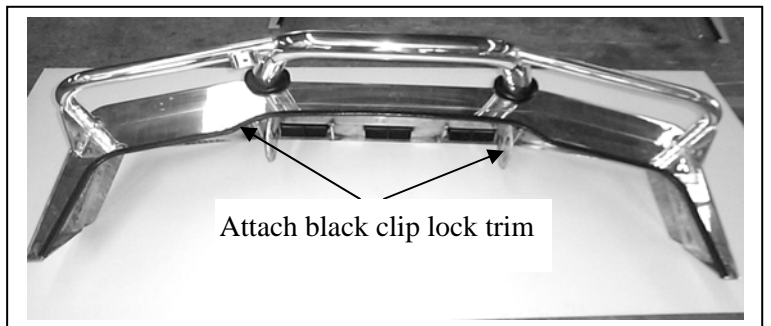


Figure 6



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12 –15mm clearance



Figure 7

Trim 2mm off top and bottom

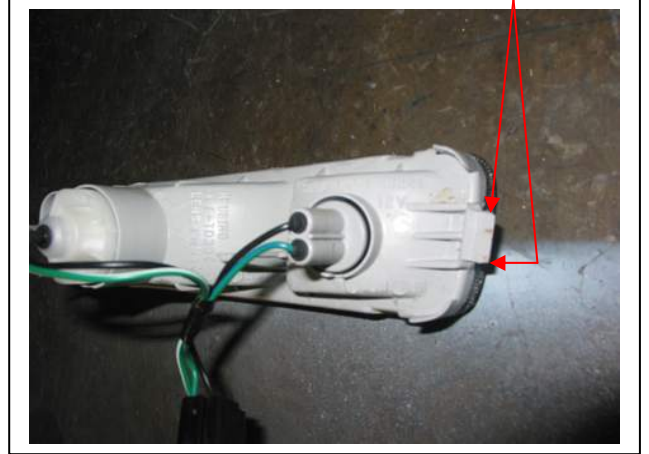


Figure 8

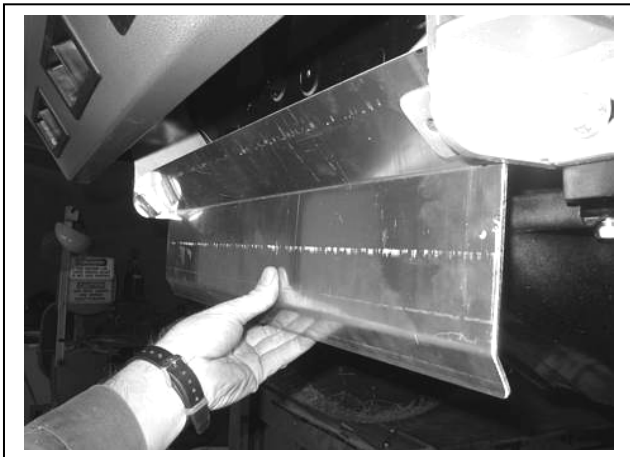


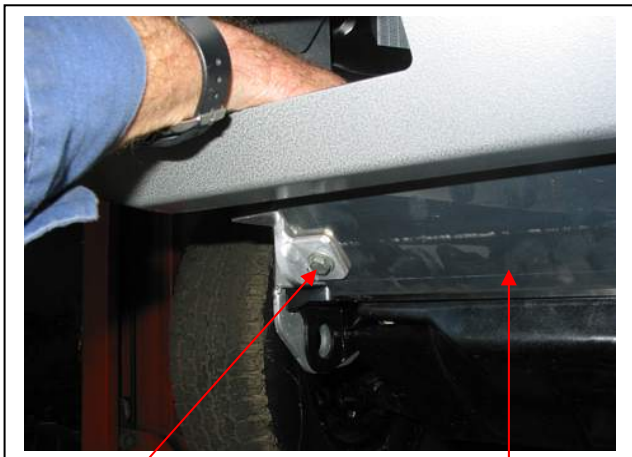
Figure 9

Feeding in Radiator protection plate behind tabs on steel mounting brackets



Figure 10

Radiator protection plate in position



M8 x 30 bolt

Figure 11

Radiator protection plate



Figure 12



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Figure 13



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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:

Date of fitment: ____/____/____

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

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DESPATCH CHECKLIST BM59SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- 2 – ECB Steel mounting brackets.
- 1 – Radiator protection plate.
- 1 – Bolt Kit.
- 1 – 2200mm length 6mm clip lock.
- 2 – ECB overrides – **Fitted to bar.**
- 2 – 6mm air scoops – **Fitted to bar.**
- 3 – 3mm air scoops – **Fitted to bar.**

**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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