



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

BM140SY

REPLACES: 24.03.10
REVISED: 23.08.10

FITTING INSTRUCTIONS

mitsubishi Triton MN 08/09 on BIG TUBE™ PROTECTION BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Remove steel under body guard. Completely remove two 12mm head bolts at front, loosen only two rear 12mm head bolts, slide under body guard forward to drop away from rear bolts of vehicle and remove from vehicle.
2. Remove lower centre of plastic bumper. From under vehicle remove three PK screws (per side) and one PK screw from top centre. Top centre PK screw is best accessed from under vehicle above front bumper support. Pull lower centre of plastic bumper forward to release side and grille clips. **See Figures 1 and 2** for screw placement.
3. Using a sharp knife trim grille to accept ECB steel mounting brackets. **See figures 3 and 4** for trim information.
4. Remove two 10mm head bolts from number plate area of bumper. Remove black plastic grille by pushing into vehicle to unclip. **Caution:** Grille will unclip with some pressure. Take care not to damage radiators.
5. Install ECB steel mounting brackets onto sides of chassis rails using one M10 x 1.25 x 40 bolt, spring washer and flat washer (per side) (supplied) for rear holes. **Note:** Use top hole in mount for drivers side and lower hole for passengers side. Place grille over ECB mounts and allow to hang. Fit one M10 x 1.25 x 60 bolt, spring washer and flat washer (per side) (supplied) for front holes. **See figure 5.** Align mount to vehicle and **TIGHTEN ALL BOLTS.** Clip grille back into bumper and refit original 10mm head bolts back into number plate area of bumper.
6. Using ECB steel mount bracket as a guide, drill 10mm holes through underside of chassis rail. **See figure 6. Note: All filings must be blown out and bare metal treated using paint or a rust inhibitor.**
7. Feed 3/8 x 1 1/2 bolt and washer on 300mm wire (supplied) into pre drilled holes from inside of chassis rail. Attach using flat washer, spring washer and nut (supplied). **TIGHTEN ALL BOLTS. See figure 7.**
8. Carefully, using a flat blade screwdriver, lever inside edge of fog surrounds away from vehicle. Gently pull forward to remove. **See figure 8. Tip:** pad screwdriver well with paper masking tape to not damage paint work when inserting screwdriver.
9. Splice ECB indicator/ park wiring to original equipment harness behind headlight. Run ECB wiring under headlight and out through hole left by fog light.
10. Refit lower plastic bumper section to vehicle. Ensure centre screw is replaced to original position.
11. Refit steel under body guard by placing front against body above plastic bumper and move as far forward as possible, placing onto rear bolts and moving back. Refit original front bolts. **TIGHTEN ALL BOLTS.**



**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

12. Fit ECB LED indicator / park lights (supplied) into protection bar as per instructions supplied with the LED indicator kit. **NOTE: Ensure park light is to outside. See figure 10.**
13. Fit 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 11, 12 and 13.**
14. Fit lengths of 6mm clip lock (supplied) to upper air vents in protection bar. **Note:** Ensure start and finish of trim joins neatly at top in centre. **See figure 14.**
15. Fit lengths of 3mm clip lock trim (supplied) to upper air vents in protection bar. **Note:** Trim outside edge of clip lock on an angle to follow bottom edge of protection bar. **See figure 14.**
16. Attach ECB protection bar to outside of ECB steel mounting brackets using ½ x 1 ½ bolts, flat washers, spring washers and nuts. **FINGER TIGHTEN ONLY. See figure 14 and 15.**
17. Align ECB protection bar to front of vehicle ensuring head light washers clear rear edge of ECB protection bar. **TIGHTEN ALL BOLTS.**
18. Connect indicator / park light wiring. Check all lights for correct operation.

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 ECB steel mounting brackets	12 - ½ flat washers
2 – M10 x 1.25 x 40 bolts	6 - ½ spring washers
2 – M10 x 1.25 x 60 bolts	6 - ½ nuts
6 – M10 flat washers	1 – ECB LED Indicator / Park light kit
6 – M10 spring washers	6 – cable locks
2 – 3/8 x 1 ½ bolts and washers on 300mm wire	1 – 2100mm length 6mm clip lock trim
2 – 3/8 nuts	2 – 700mm length 6mm clip lock trim
6 - ½ x 1 ½ bolts	2 – 500mm length 3mm clip lock trim



**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

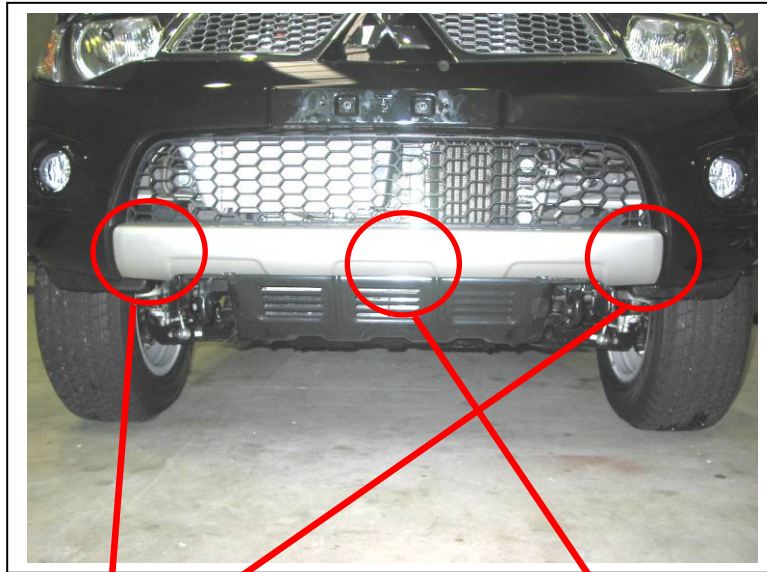


Figure 1: End screws of lower centre, removed from vehicle for photo.



Figure 2: Centre screw of lower bumper centre, removed from vehicle for photo.



Figure 3: Area to be trimmed on lower centre grille.



Figure 4: Grille fitment onto ECB steel mount brackets upon installation of mounts.



**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

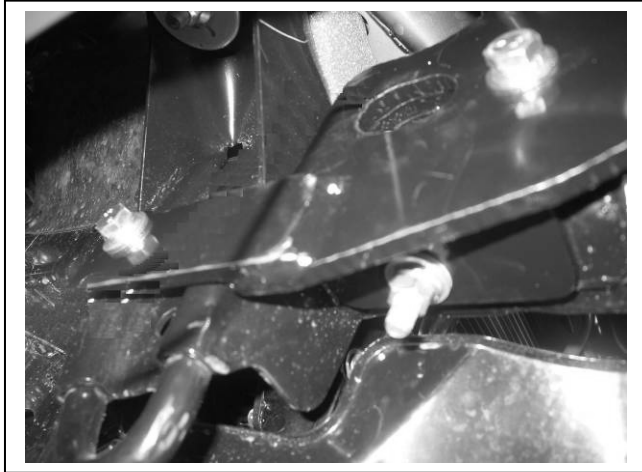


Figure 5: Bolt pattern on drivers side of vehicle.

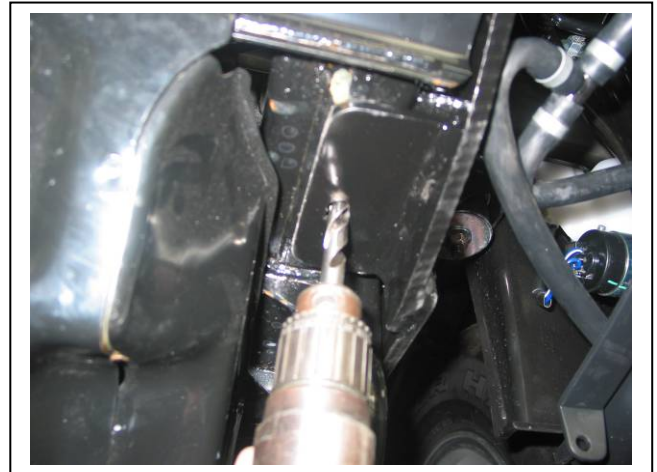


Figure 6: Drilling underside of chassis rail.

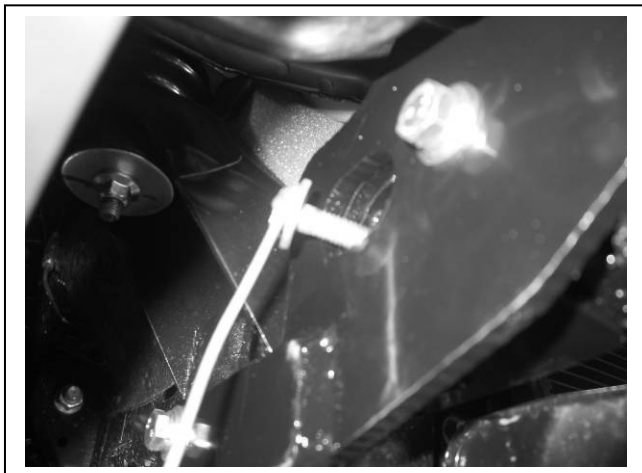
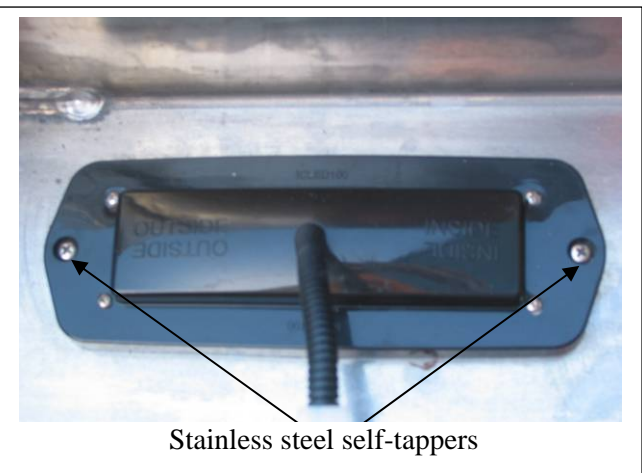


Figure 7: Feeding 3/8 x 1 1/2 bolt and washer on 300mm wire into chassis rail. Bend wire on bolt to suit requirements.

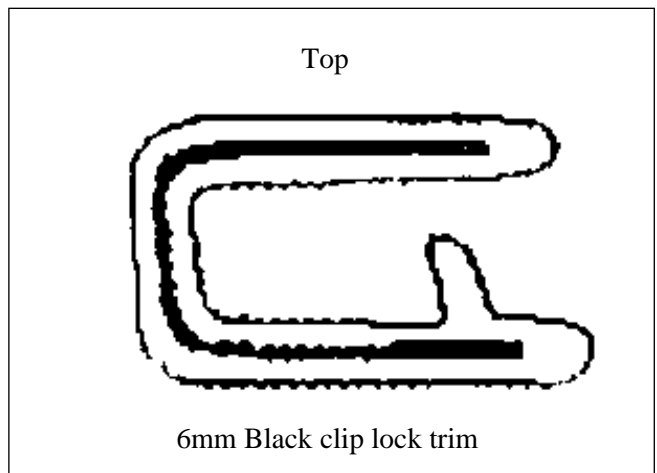


Figure 8: Use a flat bladed screw driver to carefully remove fog light covers. Fog light model shown



Stainless steel self-tappers

Figure 10



6mm Black clip lock trim

Figure 12



**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

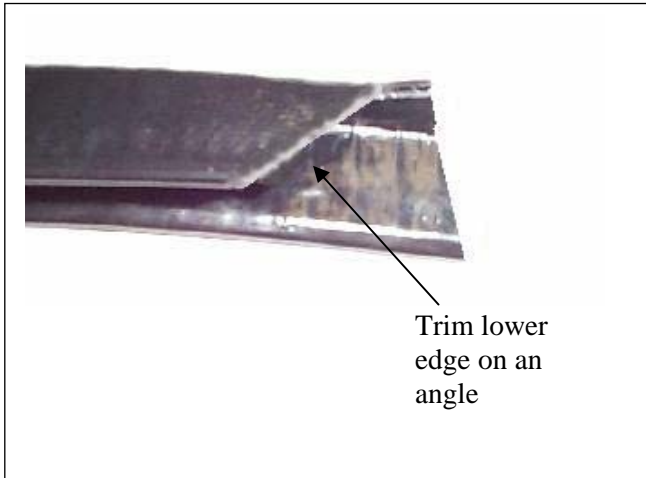


Figure 13

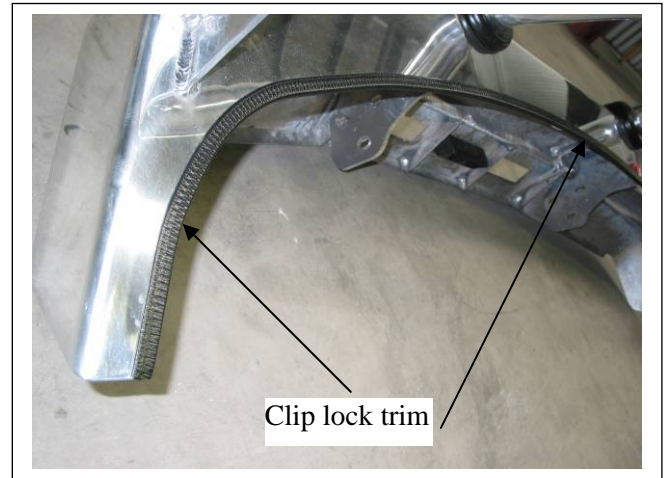


Figure 14



Figure 15



Figure 16: Front view



Figure 17: Side view



**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



**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

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

Margate QLD 4019

Fax to

(07) 3283 1168



**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



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

DESPATCH CHECKLIST BM140SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- 1 – Pair steel mounting brackets.
- 1 – Bolt Kit.
- 1 – ECB LED Indicator / Park light kit.
- 1 – 2100mm length 6mm clip lock trim
- 2 – 700mm lengths 6mm clip lock trim
- 2 – 500mm lengths 3mm clip lock trim
- 2 – ECB Overriders – **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 __/__/__



**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

