



**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

8M37SY, NB6M37SY, NBM37SY

REPLACES: 00.00.00

REVISED: 14.06.13

FITTING INSTRUCTIONS

mitsubishi outlander 11/12 on TYPE 8, SERIES 2 63MM NUDGE BAR, 76MM NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Lift bonnet
2. Remove trim from top of radiator support, twelve plastic push pull clips. **See figure 1.**
3. Pull firmly upward on grille to release three lower clips.
4. Remove five plastic push pull clips from top of bumper between headlights and ten plastic push pull clips from underside of bumper. Remove three plastic push pull clips from wheel arch (per side) and one plastic push pull clip from rear wing (per side). Gently pull out on rear wing to unclip from guard **See figure 2**, disconnect fog light if required. Remove one 10mm head bolt from outer edge of lower grille and remove bumper from vehicle.
5. Remove under body guard from vehicle, seven plastic push pull clips and two 10mm head bolts.
6. Using 18mm drill, enlarge front hole in outer section of crash can for tube spacer. **See figure 3. Note: Tube spacers are different sizes, Drivers side is 64mm and passenger's side is 72mm. Note: Blow filings clear and treat all exposed metal with a rust inhibitor.**
7. On passenger's side of bumper support, disconnect temperature sensor from mount and using a chisel or similar tool, remove mount from Bumper support. **See figure 4.**
8. Remove two 12mm head bolts from lower intercooler mount (per side) and one 12mm head bolt from upper intercooler mount (per side). Allow intercooler to hang.
9. From lower intercooler mounts remove rubber locator plug. Fit locator rubber into ECB steel mounting brackets (supplied). **See figure 5.**
10. As installing ECB steel mounting brackets inside of crash can and bumper support, ensure lower intercooler mount sits into mounting rubber correctly, using two M8 x 30 bolts, flat washers and spring washers (supplied) for lower radiator support. Flatten down tab on top intercooler mount (**see figure 6**) and fit using one M8 x 30 bolt, flat washer and spring washer (supplied) for rear of bumper support. Make sure intercooler is captured between top and bottom mounts and is fully rubber mounted. Install one M8 x 100 bolt, spacer tube, flat washers, spring washer and nut (supplied) for crash can. Ensure steel mounting brackets are parallel and vertical. **Tighten all bolts. See figure 7.**
11. Refit temperature sensor onto black bumper locator. **See figure 8.**
12. Using steel mounting brackets as a guide, mark and cut lower grille in bumper. **See figure 9.**
13. Fit bumper onto vehicle in reverse of step 2 and 3. **See figure 10.** Do not fit under body guard at this time.



**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

14. Fit protection bar to outside of ECB steel mounting brackets using M10 x 35 bolts, flat washers, spring washers and nuts (supplied). Align protection bar to vehicle and tighten all bolts. **See figures 11, 13 and 15 for front views and 12, 14 and 16 for side views.**

15. Refit under body guard 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

1 – Pair ECB steel mounting brackets.	8 – M8 spring washers
1 – 10Nb spacer tube, 64mm – In kit	2 – M8 x 1.25 nuts
1 – 10Nb spacer tube, 72mm – In kit	4 – M10 x 1.25 x 35mm bolts
6 – M8 x 1.25 x 30mm bolts	8 – M10 flat washers
2 –M8 x 1.25 x 100mm bolts	4 – M10 spring washers
10 – M8 flat washers	4 – M10 x 1.25 nuts



Figure 1: Remove radiator cover



Figure 2: Carefully remove bumper from guard clips



East Coast Bullbars (ECB Pty Ltd)

Tel: 07 3897 5700

Fax: 07 3283 1168

ecb@ecb.com.au www.ecb.com.au

WORLD'S BEST
ALLOY BULLBARS

29 Snook St
Clontarf QLD 4019
Australia

Po Box 122
Margate QLD 4019
Australia

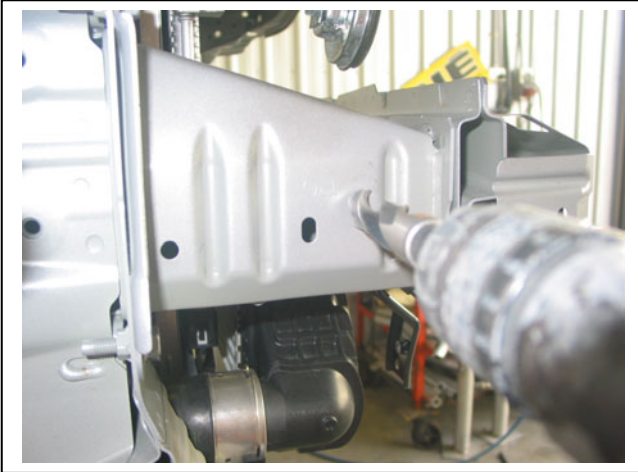


Figure 3: Drill front holes to 18mm



Figure 4: Chisel off temp sensor mount



Figure 5: Intercooler mount placed into ECB steel mount



Figure 6: Flattened tab on top intercooler mount



Figure 7: ECB steel mounting brackets fitted.



Figure 8: Temperature sensor on bumper locator.



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

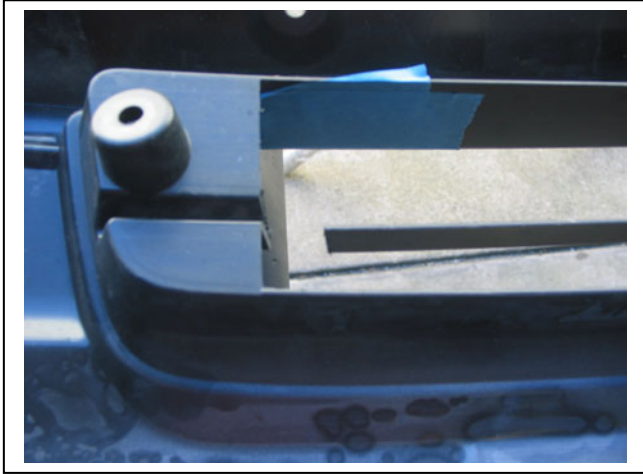


Figure 9: Bumper grille trimmed



Figure 10: ECB steel mounting brackets with bumper fitted.



Figure 11: Type 8 front view

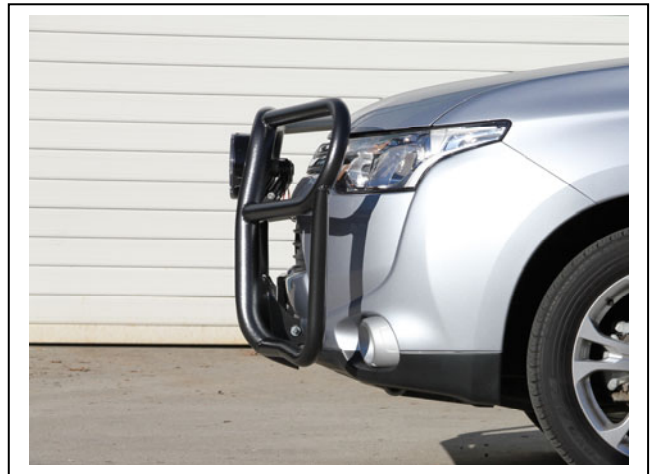


Figure 12: Type 8 side view



Figure 13: Series 2 front view



Figure 14: Series 2 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



Figure 15: Nudge Bar front view

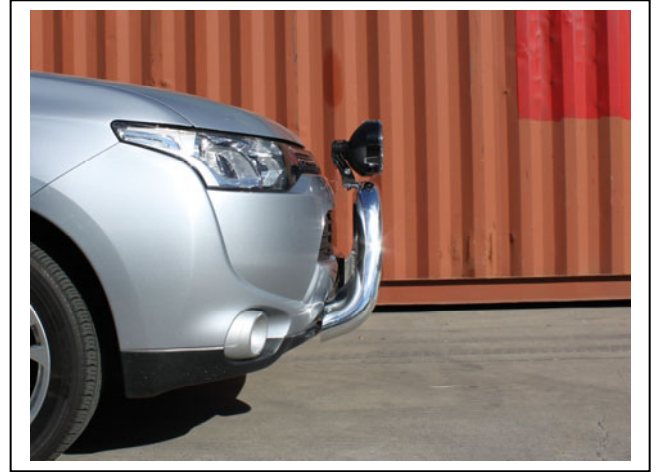


Figure 16: Nudge Bar side view



**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

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

DESPATCH CHECKLIST

8M37SY, NB6M37SY, NBM37SY

ICZBKTM37



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

OC.....1 – Pair ECB Steel mounting brackets.

BK.....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 __/__/__



**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

