



**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

NBM145SY

REPLACES: 13.03.10
REVISED: 23.08.10

FITTING INSTRUCTIONS

MITSUBISHI CHALLENGER 12/09on 76MM NUDGE 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 figure 3** for trim information.
4. 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 driver's side and lower hole for passenger's side. Fit one M10 x 1.25 x 60 bolt, spring washer and flat washer (per side) (supplied) for front holes. **See figure 4.** Align mount to vehicle and **TIGHTEN ALL BOLTS.**
5. Refit lower plastic bumper section to vehicle. Ensure centre screw is replaced to original position.
6. 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.**
7. Attach ECB protection bar to outside of ECB steel mounting brackets using 3/8 x 1 1/2 bolts, flat washers, spring washers and nuts. **FINGER TIGHTEN ONLY. See figure 5 and 6.**
8. Align ECB protection bar to front of vehicle. **TIGHTEN ALL BOLTS.**

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



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FITTING KIT

1 – pair ECB steel mounting brackets	8 – M10 spring washers
2 – M10 x 1.25 x 40 bolts	4 – 3/8 x 1 ½ bolts
2 – M10 x 1.25 x 60 bolts	4 – 3/8 nuts
12 – M10 flat washers	

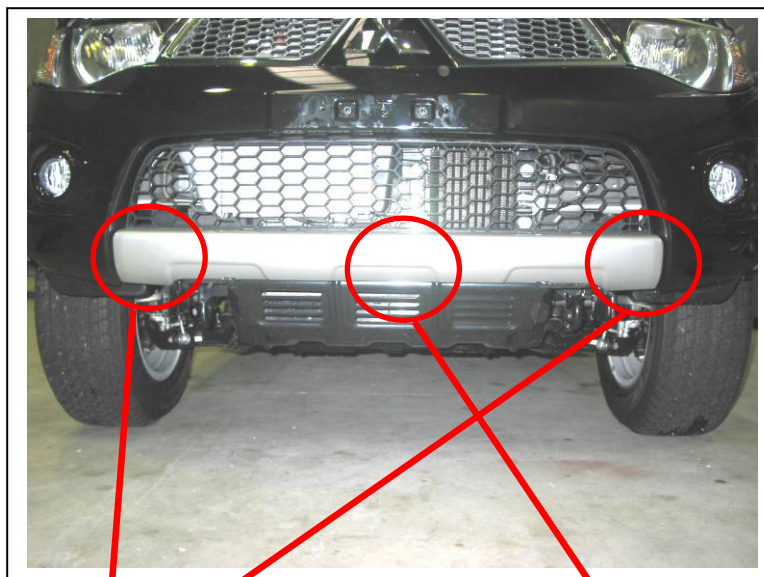


Figure 1: End screws of lower centre, removed from vehicle for photo.



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



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



Figure 4: Bolt pattern on drivers side of vehicle.



Figure 5: Front view



Figure 6: Side view



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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
(07) 3283 1168



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DESPATCH CHECKLIST NBM145SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- 1 – Pair 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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