



WORLD'S BEST
ALLOY BULLBARS

East Coast Bullbars (ECB Pty Ltd)

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NBMB48SY

REPLACES: 20.03.06
REVISED: 09.07.10

FITTING INSTRUCTIONS

MERCEDES VITO 04/04on 76mm NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Working on one side at a time, turn wheel out full lock. Remove two plastic nuts from plastic inner guard. One located on chassis and one located near suspension strut. **See figure 1.** Remove plastic PK clips from lower front inner guard where it attaches to bumper cover. **See figure 2.**
2. Pull plastic inner guard clear to access one 10mm hole on outside of chassis, which aligns with one 9mm hole on inside of chassis. Drill 9mm inside chassis hole out to 10mm. **See figure 3.** Blow all filings clear and treat exposed metal with a rust inhibitor.
3. Place 3/8 flat washer and 40mm alloy round plate (supplied) over 3/8 x 4 bolt (supplied) and insert through chassis. **See figure 4.**
4. Pull plastic inner guard down at front. Drill hole in side bracket on bumper cover support out to 10mm. **See figure 5.** Blow all filings clear and treat exposed metal with a rust inhibitor.
5. Pull plastic inner guard down at front to access and remove three original 16mm head bolts from chassis. **See figure 6.**
6. Fit steel mounting bracket (supplied) to where 16mm head bolts were removed. Use M10 x 40 x 1.5 bolts with flat washers and spring washers (supplied). **FINGER TIGHTEN ONLY. See figures 7 and 8.**
NOTE: Steel mounting bracket sits on inside of bumper cover bracket. Bolt bumper cover bracket to steel mounting bracket. Use 3/8 x 1 ¼ bolts, nuts flat washers and spring washers (supplied). **FINGER TIGHTEN ONLY. See figure 9.**
7. Push steel mounting bracket upwards, so that tab on inside of steel mounting bracket contacts box section chassis. **TIGHTEN ALL BOLTS/NUTS.**
8. With steel mounting bracket in position, using tab on inside of steel mounting bracket as a guide. Drill a 10mm hole through box section chassis. **See figure 10.** Blow all filings clear and treat exposed metal with a rust inhibitor. Feed 3/8 x 1 ¼ bolt and flat washer (supplied) through end of box section chassis and out through drilled hole. Use 3/8 flat washer, spring washer and nut (supplied). **TIGHTEN IN POSITION. See figure 11.**
9. Feed mount brace up onto 3/8 x 4 bolt on inside of chassis. Use 3/8 flat washer, spring washer and nut (supplied). **FINGER TIGHTEN ONLY. Note:** Positions on inside of steel mount bracket. Use 3/8 x 1 ¼ bolts, nuts, flat washers and spring washers (supplied). **TIGHTEN** mount brace in position. **See figure 12.**
10. Refit plastic inner guard.
11. Repeat for other side.
12. Attach ECB protection bar to outside of steel mounting brackets. Use 3/8 x 1 ½ bolts, flat washers, spring washers and nuts (supplied). **FINGER TIGHTEN ONLY.**



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13. Align protection bar in position. **NOTE figure 13** for front view and **figure 14** for side view. **TIGHTEN IN POSITION.**

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 – Steel mounting brackets.	4 – 3/8 x 1 ½ bolts and nuts.
2 – Steel mount braces.	2 – 40mm round alloy plates 10mm Ø
6 – M10 x 40 x 1.5 bolts.	30 – 3/8 flat washers.
2 – 3/8 x 4 bolts and nuts.	18 – 3/8 spring washers.
6 – 3/8 x 1 ¼ bolts and nuts.	

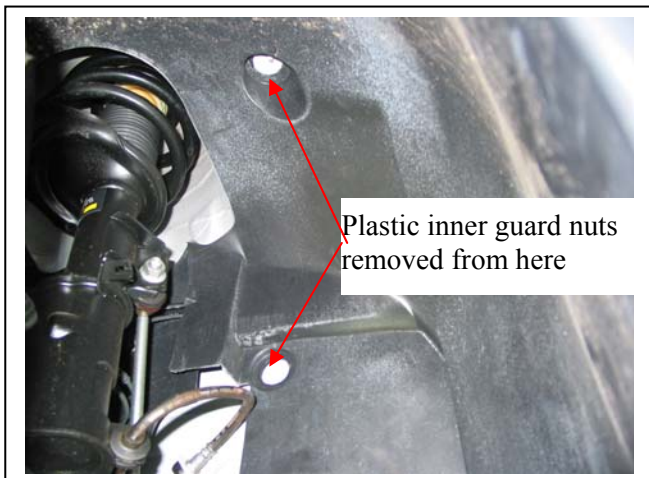


Figure 1 – Driver’s side shown

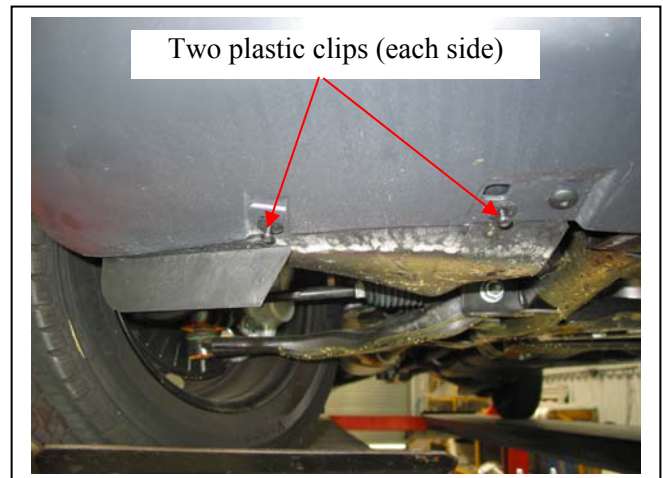


Figure 2 – Driver’s side shown



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3/8 x 4 bolt, 3/8 flat washer and 40mm plate



Figure 3 – Driver's side shown



Figure 4 – Driver's side shown

Remove three original bolts



Figure 5 – Driver's side shown enlarging existing hole
M10 x 40 x 1.5 bolts

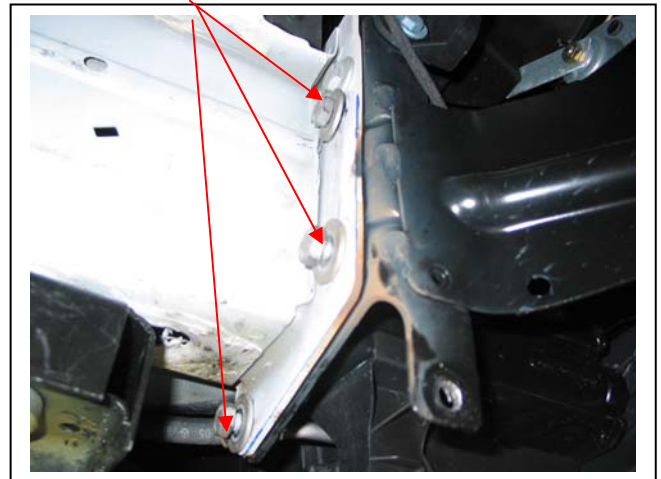


Figure 6 – Driver's side shown

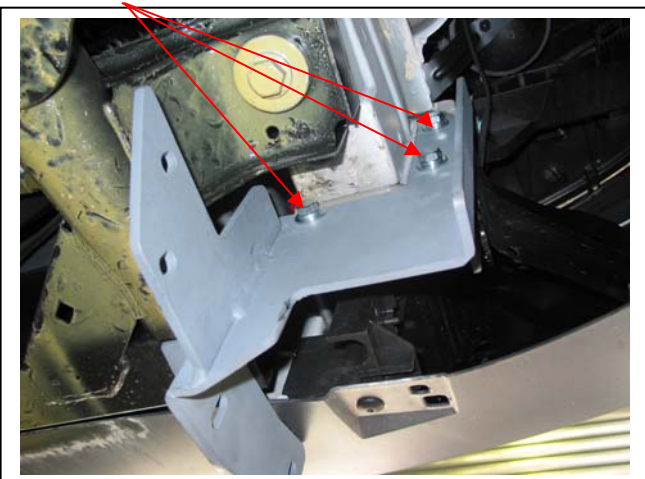


Figure 7 – Driver's side shown



Figure 8 – Driver's side shown



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Figure 9 – Driver's side shown 3/8 x 1 1/4 bolt



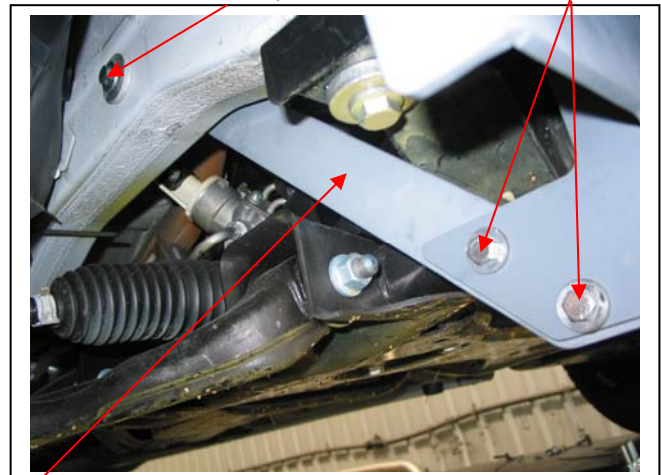
Figure 10 – Driver's side shown

3/8 x 1 1/4 bolt/nut

3/8 x 4 bolt with alloy washer 3/8 x 1 1/4 bolts/nuts



Figure 11 – Driver's side shown



Mount brace Figure 12 – Driver's side shown



Figure 13 – 76mm Nudge Bar front view shown



Figure 14 – 76mm Nudge Bar side view shown



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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 NBMB48SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- 2 – Steel mounting brackets.
- 2 – Steel mounting braces.
- 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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