

8MB48SY / NB6MB48SY

REPLACES: 20.03.06

REVISED: 23.07.10

FITTING INSTRUCTIONS

**MERCEDES VITO 04/04 on TYPE 8 and 63mm SERIES 2 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 on wire (supplied) to access front holes. Use 3/8 flat washers, spring washers and nuts (supplied). Use 3/8 x 1 ½ bolts, nuts, flat washers and spring washers (supplied) for rear holes. **FINGER TIGHTEN ONLY.**

13. Align protection bar in position. **NOTE figures 13 and 15** for side views and **figures 14 and 16** for front views. **TIGHTEN IN POSITION.**
14. Lift bonnet and remove grille, three castle head screws. Lift upwards.
15. Bolt L brackets to underside of protection bar brackets, use inner holes. Use 3/8 x 1 ¼ bolts, nuts, flat and spring washers (supplied). **See figure 17.** Push back hard against bumper cover so that bumper cover contacts steel bumper cover support. Ensure brackets are square and **TIGHTEN IN POSITION. NOTE:** If L bracket cannot be positioned correctly, protection bar may not be positioned correctly. Loosen protection bar and realign. Retighten protection bar bolts and nuts.
16. Using L brackets as a guide, drill two 10mm holes through bumper cover and right through bumper cover support. **NOTE:** Place flat metal sheet or similar on inside of bumper cover support so drill bit does not damage fan/radiator. **See figures 18 and 19.** *Blow all filings clear and treat exposed metal with a rust inhibitor*
17. Insert 3/8 x 4 bolts and flat washers (supplied) through L brackets and bumper cover support. Use 3/8 flat washers and nylock nuts (supplied) on inside. Do not squash bumper cover support by over tightening. Refit grille and close bonnet.
18. Two 12mm alloy tube spacers and two 10g x 25 self-tappers are supplied for number plate fitment.

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 nuts.
2 – Steel mount braces.	2 – 3/8 nylock nuts.
2 – Steel L brackets.	2 – 40mm round alloy plates 10mm Ø
6 – M10 x 40 x 1.5 bolts.	38 – 3/8 flat washers.
4 – 3/8 x 4 bolts.	22 – 3/8 spring washers.
10 – 3/8 x 1 ¼ bolts and nuts.	2 – 15mm long alloy spacer tubes (12mm round).
2 – 3/8 x 1 ½ bolts and nuts.	2 – 10g x 15 stainless steel self-tappers.
2 – 3/8 x 1 ½ bolts with flat washers on 250mm wire.	



**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

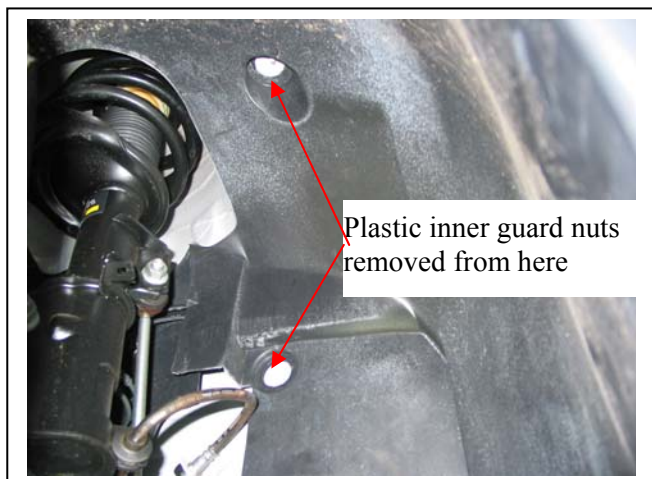


Figure 1 – Driver's side shown

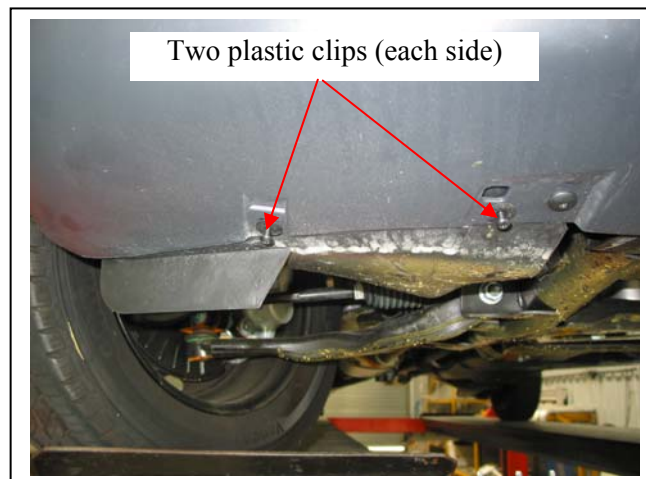


Figure 2 – Driver's side shown



Figure 3 – Driver's side shown

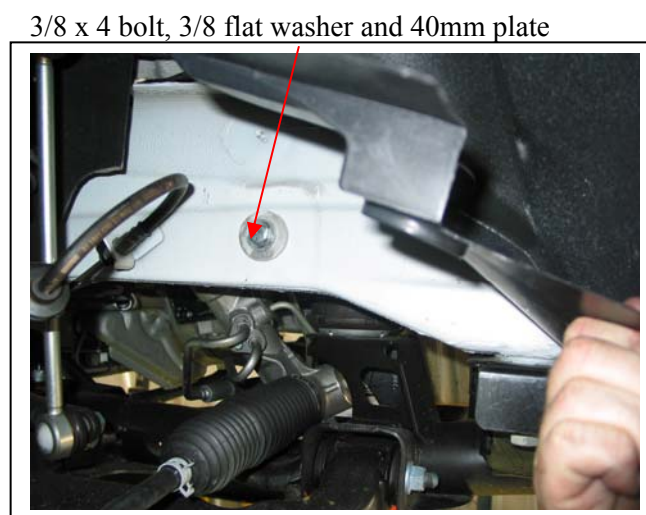


Figure 4 – Driver's side shown



Figure 5 – Driver's side shown enlarging existing hole

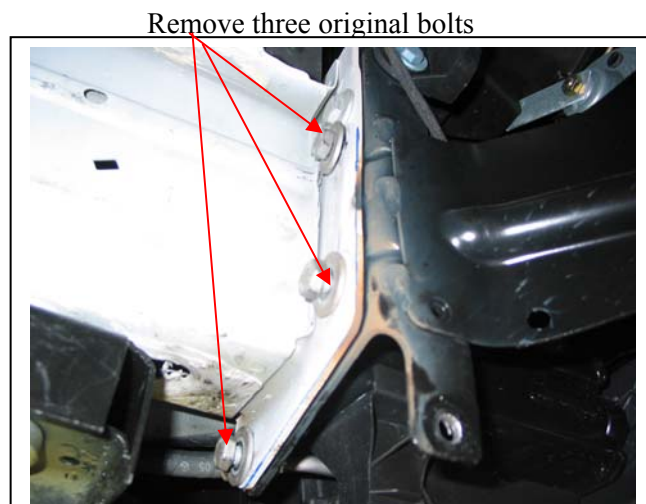


Figure 6 – Driver's side shown



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M10 x 40 x 1.5 bolts

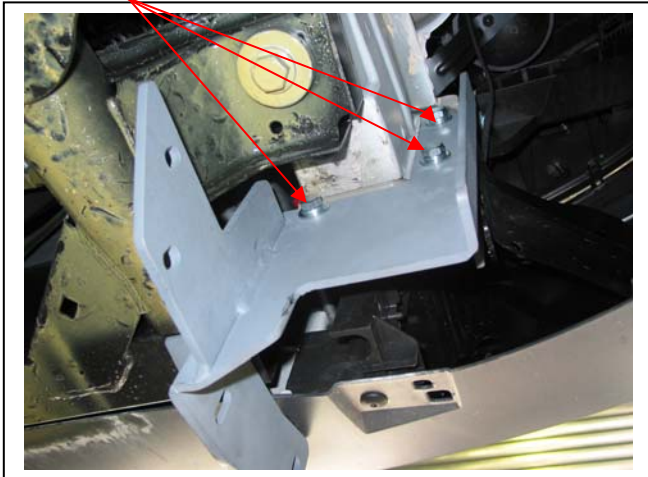


Figure 7 – Driver's side shown



Figure 8 – Driver's side shown

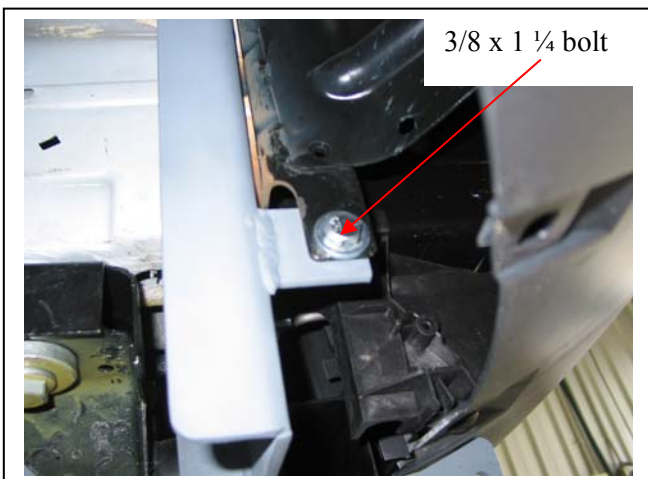


Figure 9 – Driver's side shown



Figure 10 – Driver's side shown

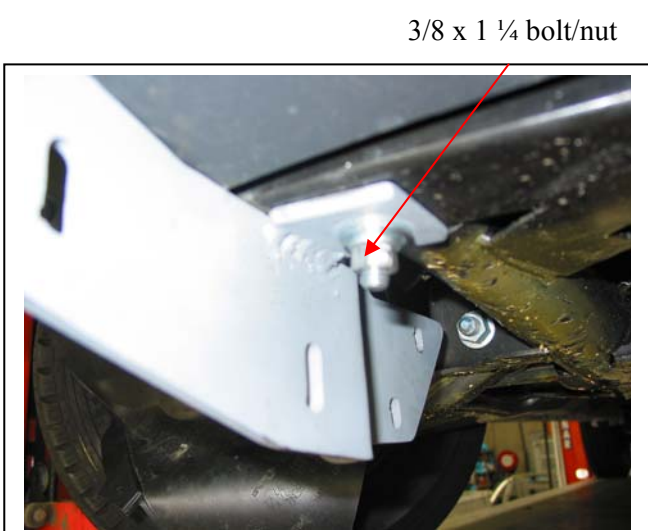


Figure 11 – Driver's side shown

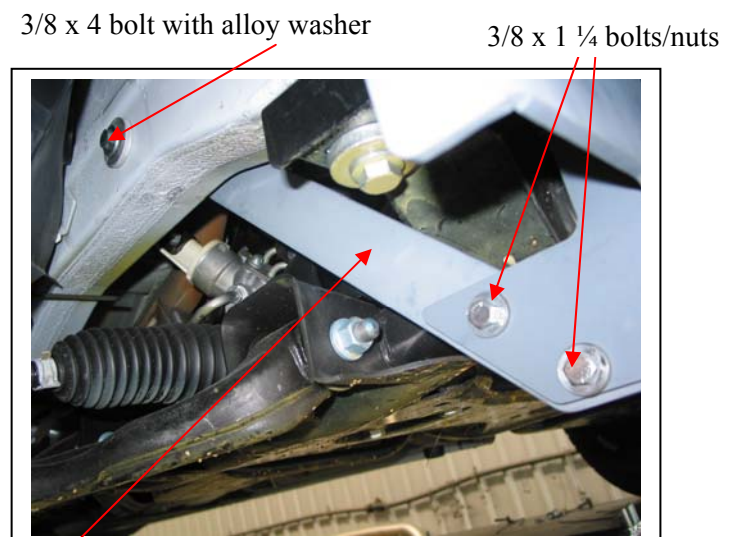


Figure 12 – Driver's side shown



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Figure 13 – 63mm Series 2 Nudge Bar side view shown



Figure 14 – 63mm Series 2 Nudge Bar front view shown



Figure 15 – Type 8 side view shown



Figure 16 – Type 8 front view shown

Metal protection for fan/radiator when drilling

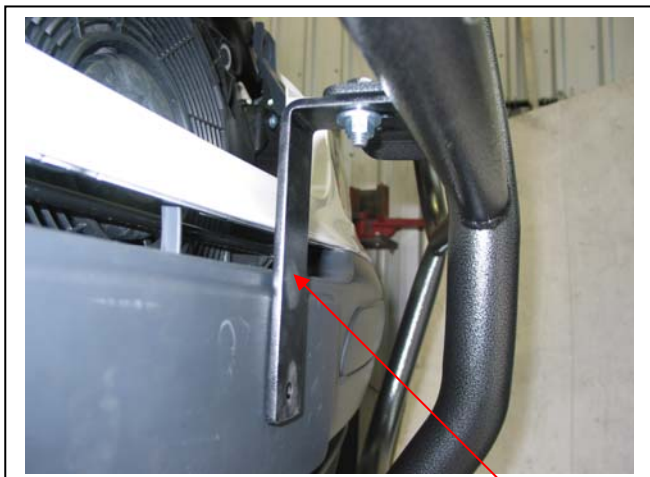


Figure 17 – Passenger side shown L Bracket

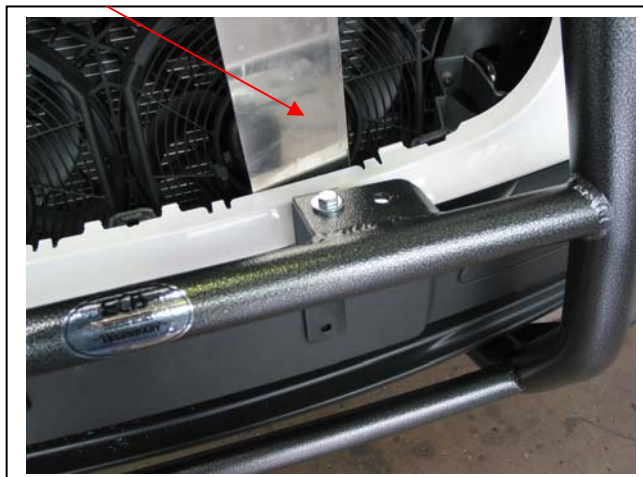


Figure 18 – Passenger side shown



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Figure 19



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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

Margate QLD 4019

Fax to

(07) 3283 1168



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DESPATCH CHECKLIST 8MB48SY / NB6MB48SY

Work Order #	
Finish:	
Transport:	
Due Date:	

**See other side of this page
for photos of all mounts**

☐ 2 – Steel mounting brackets.

☐ 2 – Steel mount braces

***NOTE: All mounts are to be powder coated – black for
polished / same colour for powder coat order***

☐ 2 – Steel L brackets.

☐ 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 ____/____/____



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