



**WORLD'S BEST  
ALLOY BULLBARS**

**East Coast Bullbars (ECB Pty Ltd)**

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**EAMA48SY**

REPLACES: 30.08.12  
REVISED: 17.11.15

## **FITTING INSTRUCTIONS**

### **MAZDA BT- 50 10/11on BIG TUBE™ BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES**

Check installation hardware before commencing.

1. Lift bonnet.
2. Under front of wheel arch remove four plastic screw clips and one PK screw (per side), where bumper meets guard. Pull inner guard away from bumper to allow room for bumper cutting tools.
3. Using paper masking tape, cover cut area on sides and front of bumper ready for marking trim area. Measure from guard join with bumper 100mm top and bottom. **See figure 1.** Join with a straight line. Cut template 1 from fitting instruction using sharp scissors. Place template 1 over side of bumper, aligning to headlight. Mark cut line on template. Cut line continues across vehicle on body line under grille on bumper.
4. Check, check and double check cut lines are correct before cutting bumper. Trim bumper along marked line. Remove four 10mm head bolts from underside of bumper. Disconnect fog lights (if fitted). Remove lower section of bumper.
5. Remove three push pull clips from top cover on grille. Slide hand under cover and push centre of clip to rear to remove two clips on sides and eight clips holding front of cover. Remove cover. **CAUTION:** Excessive force will damage clips on cover. **See figure 2.**
6. Remove two push pull plastic clips from top outer corners of grille. On bottom of grille, gently press centre of clip down to release clip while pulling grille up and forward. Release all clips on grille. **See figures 3.**
7. From behind grille remove one 10mm head bolt and one push pull plastic clip from inner lower corner of headlight and two plastic screw clips from under grille.
8. Gently pull side of bumper out to release from guard clips. Remove upper section of bumper.
9. Remove plastic air dam from front of bumper support, four push pull plastic clips.
10. Remove two grey plastic clips from plastic air dam on rear of bumper support and two 15mm head bolts from front of under body steel guard. Loosen only the rear bolts from the under body steel guard and remove.
11. Remove bumper support, four 15mm head bolts.
12. Remove radiator air dams, two 8mm head bolts (per side). Retain bolts for refit at a later stage. Trim lower front from air dams to allow room for ECB steel mounting bracket. **See figures 4 and 5.** Drill holes in rear section of air dam to allow refit of air sensor.
13. Remove four lower bumper supports. **See figures 6 and 7.**
14. Refit radiator air dams to radiator support using original equipment 8mm head bolts. Refit air sensor.
15. Fit ECB steel mounting bracket (supplied) to front of chassis by sliding down from top of chassis. Rear of steel mounting bracket will be tight on outside of chassis. This is an expansion fit. Refit four original equipment bolts,



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eight ½ x 1 ½ bolts, flat washers, spring washers and nuts to front of chassis rails and two 3/8 x 1 ½ bolts, flat washers, spring washers and nuts (supplied) to front hole on side of chassis. **See figure 8. NOTE:** Should the chassis mount not be level and square, a hammer may need to be used to realign the front of the chassis at the connection points on the vehicle to achieve a level and aligned mount.

16. Using ECB steel mounting bracket as a guide, drill rear hole in chassis to 10mm. **Blow filings clear and treat all exposed metal with a rust inhibitor.** Fit 3/8 x 1 ½ bolts, spring washer, flat washer and nut and washer on 300mm wire (supplied).
17. Fit plastic air dams to rear of ECB mounting bracket using original equipment grey plastic clips.
18. Disconnect indicator and parking lights on vehicle. Install ECB quick click wiring harnesses (supplied) between disconnected harness and indicator / park lights on vehicle. Run wiring out from under lights ensuring clearance from sharp edges and moving parts.
19. Refit top of bumper and grille as per reverse of steps 5 to 8, including two PK screws in end of bumper cover to guard. Attach 3mm clip lock trim to lower outer edge of bumper cover. **NOTE:** Trim off lower edge on an angle so trim will sit flush with end of bumper cover. **See figure 9.**
20. Attach 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 10, 11 and 12.**
21. Fit ECB LED indicator / park lights into protection bar as per instructions supplied with the LED indicator kit. **NOTE: Ensure park light is to outside. See figure 13.**
22. Fit ECB protection bar to outside of ECB steel mounting bracket using ½ x 1 ½ bolts, flat washers, spring washers and nuts (supplied). **Finger tighten only.**
23. Align ECB protection bar to vehicle. **See figures 14 and 15. Tighten all bolts.**
24. Connect and check ECB indicator / park lights for correct operation.
25. Refit under body steel guard using original bolts into ECB steel mounting bracket at front. **Tighten all bolts.**
26. Install ECB under body guards to top of lower leg of channel section of protection bar with rear flange pointing down. **See figure 16.** Access to inner hole from side of plate, rear hole from behind inner guard and front outer hole through access hole in under body guard. Use two M6 x 25 bolts, one M6 x 25 bolt and washer on 100mm wire, flat washers and nyloc nuts (per side). **See figure 17.**
27. Using under body guard as a guide, drill holes in inner guard to 6mm and attach using two M6 x 20 bolts, flat washers and nyloc nuts (per side). Trim inner guards from bottom of channel to vehicles inner guard removing lower section. **See figure 18.**

#### **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.



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**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 – ECB Steel mounting bracket	2 – 3/8 nut and washer on 300mm wire
1 - Pair Alloy Under Body Guard marked MM (P/C BLACK)	4 – M6 x 25 bolts
16 – ½ x 1 ½ bolts	8 – M6 x 20 bolts
32 – ½ flat washers	2 – M6 x 25 bolt and washers on 100mm wire
16 – ½ spring washers	26 – M6 flat washers
16 – ½ nuts	14 – M6 nyloc nuts
4 – 3/8 x 1 ½ bolts	1 – ECB indicator / park light kit
6 – 3/8 flat washers	1 – ECB quick click harness kit (IC11RANGLED100H)
4 – 3/8 spring washers	2 – 650mm Lengths 3mm clip lock trim
2 – 3/8 nuts	1 – 2450mm Length 6mm clip lock trim



**Figure 1:** After masking vehicle, measure 100mm from guard join.



**Figure 2:** Clip on front of grille cover



**Figure 3:** Clip on underside of grille



**Figure 4:** Drivers die air dam





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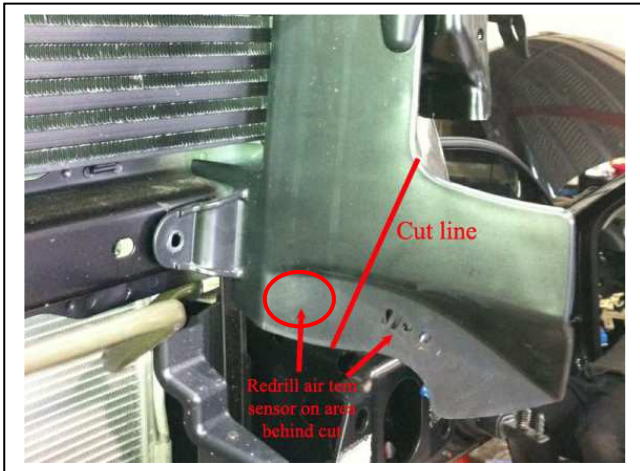
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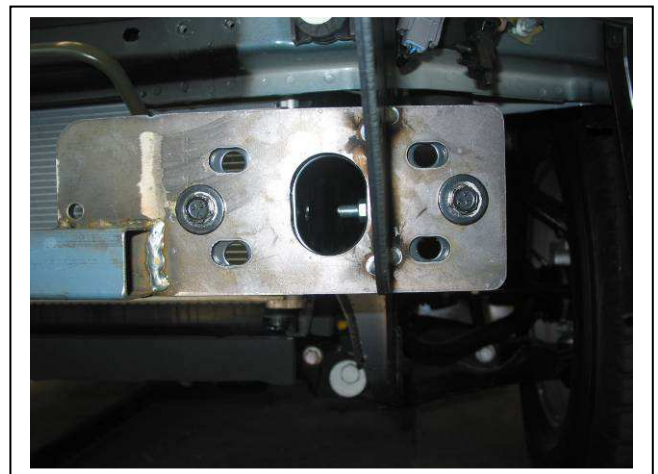
**Figure 5:** Passengers side air dam trim line and Air sensor positioning shown.



**Figure 6:** Remove center lower bumper supports



**Figure 7:** Remove side lower bumper supports.  
Use removed bolts to fit ECB inner guard supports



**Figure 8:** Use original equipment bolts in front of chassis CAUTION: front of chassis rails may need to be adjusted to ensure correct fit.



**Figure 9:** 3mm clip lock trim fitted to bumper cover



**Figure 10:** Clip lock trim fitted



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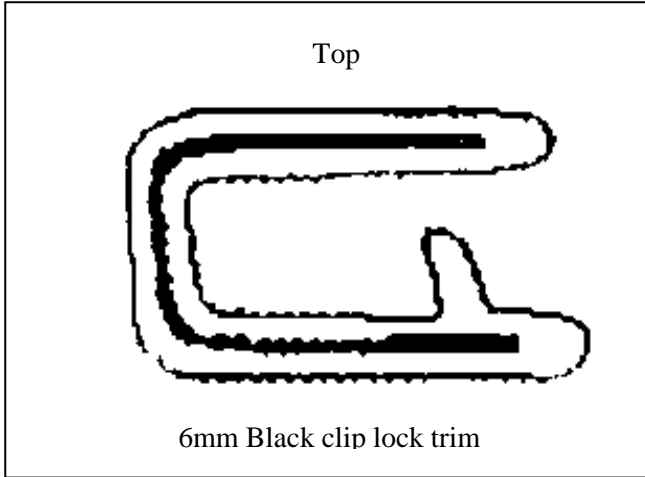


Figure 11

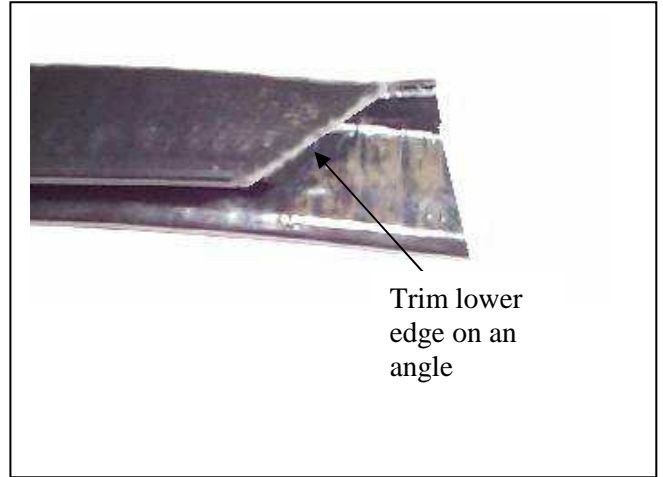


Figure 12

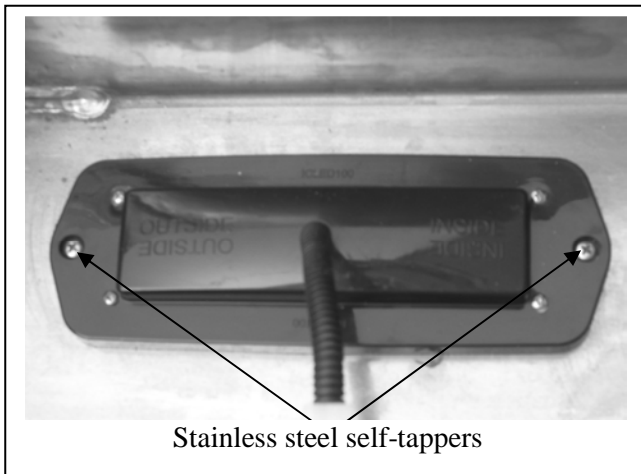


Figure 13



Figure 14: Front view

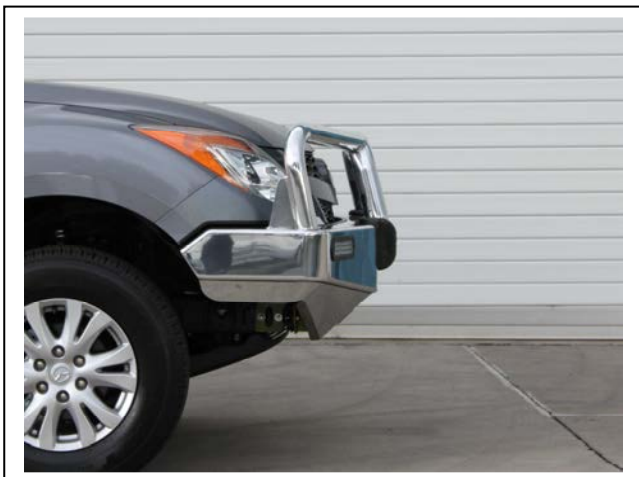


Figure 15: Side view



Figure 16: Placement of under body guard.  
Bumper removed for photo.





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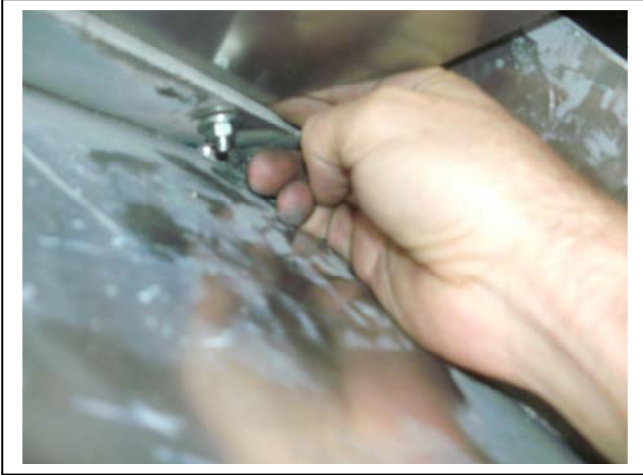
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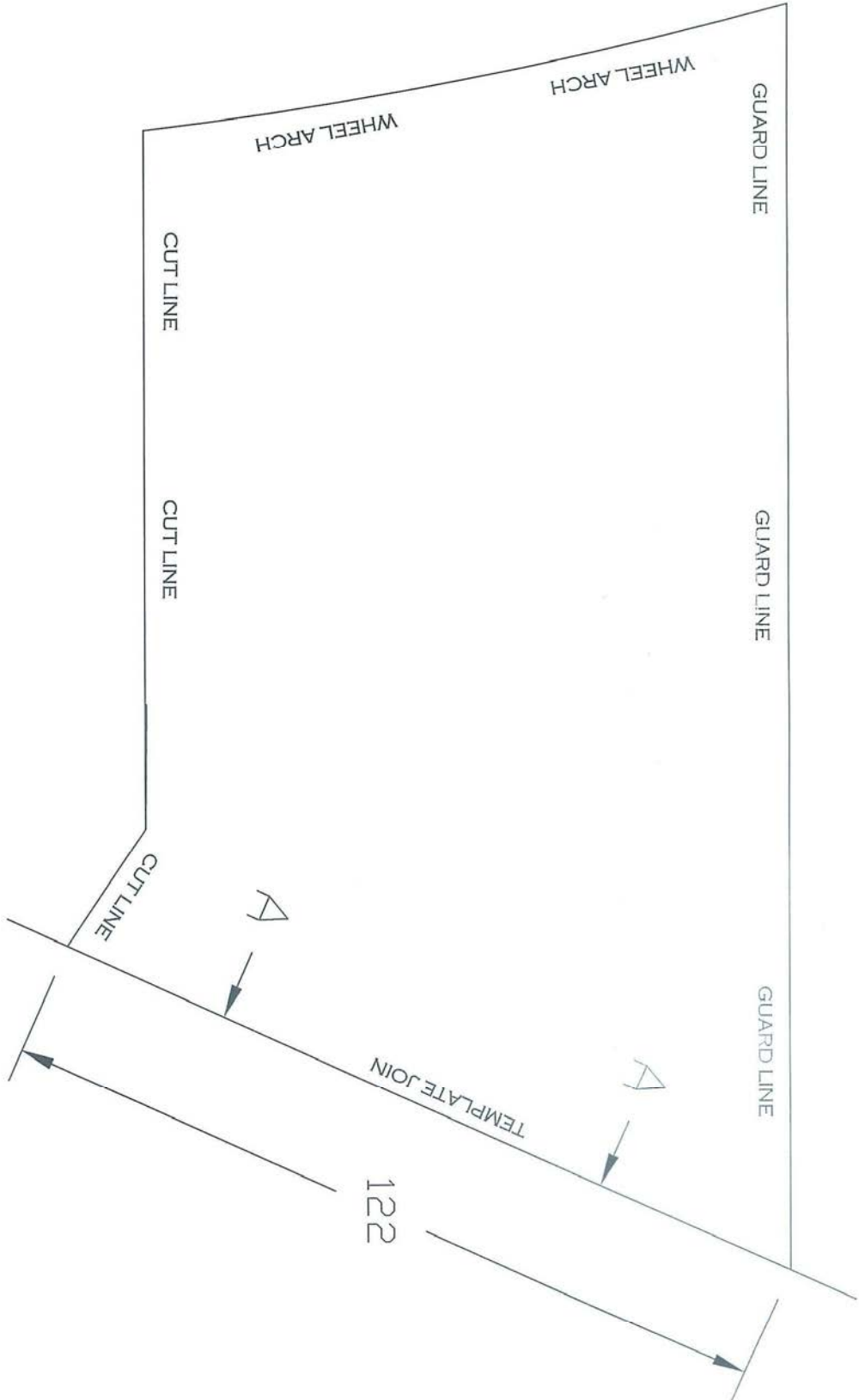
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**Figure 17:** Placing bolt in from side of under body guard.



**Figure 18:** Cut line for inner guard.





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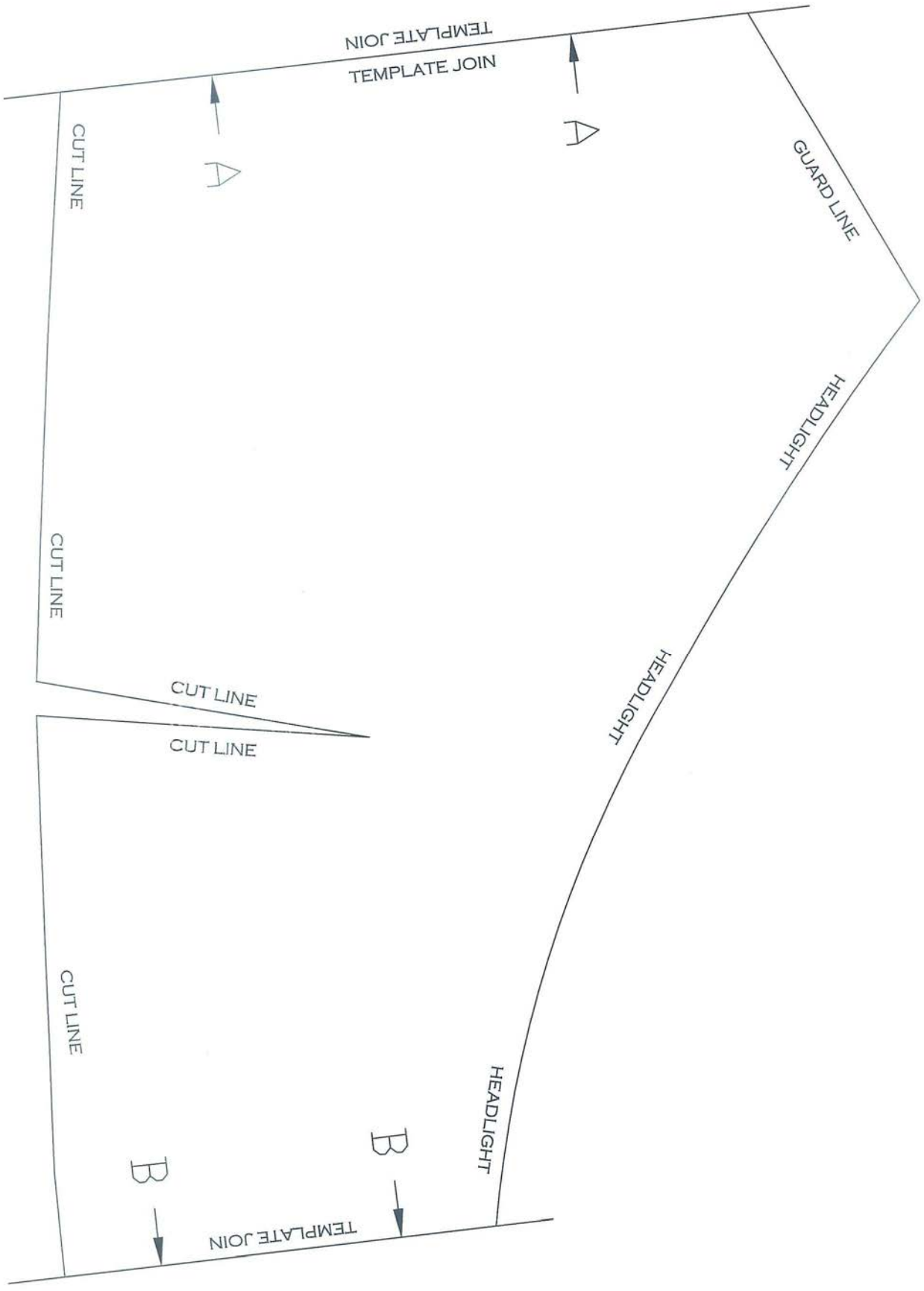
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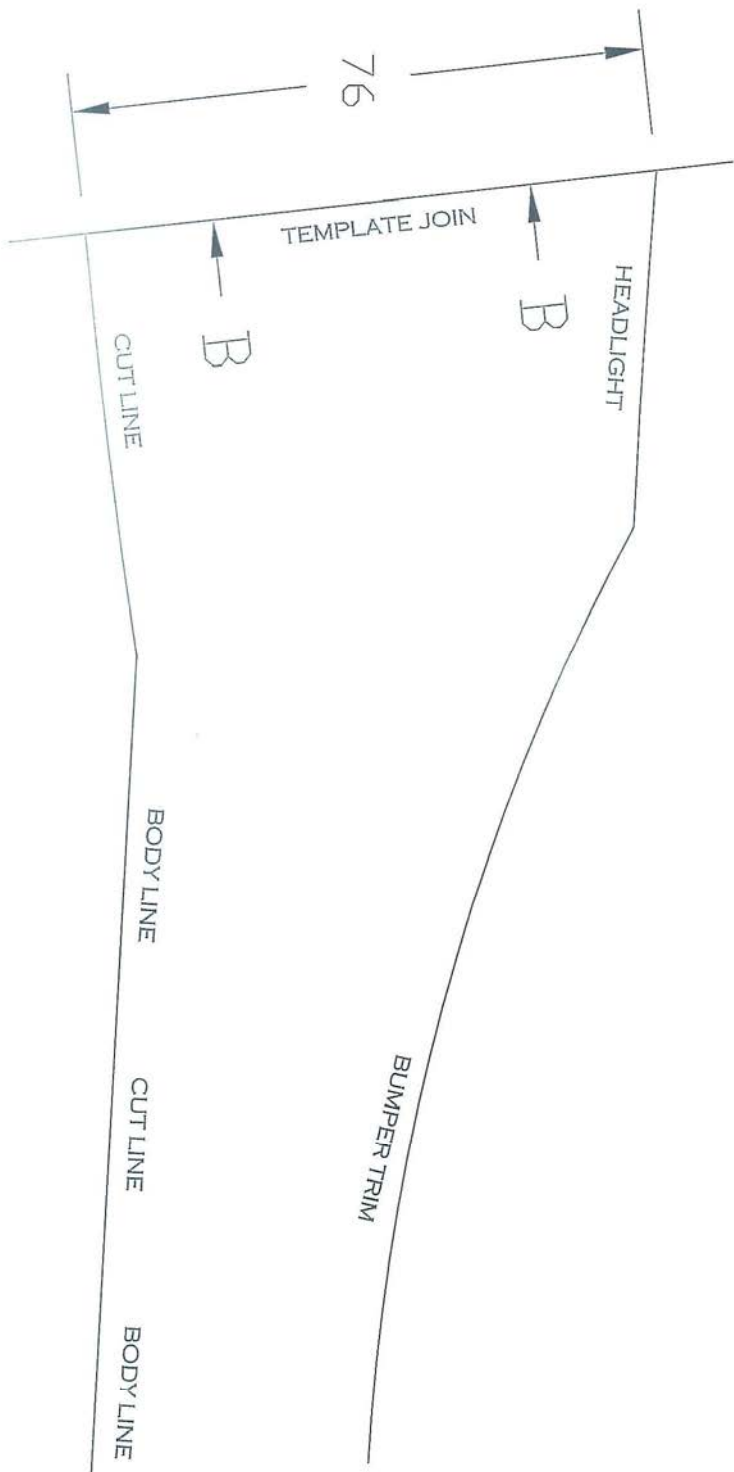
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**We value your comments**

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.

<b>Your Name:</b>	<b>Your contact No.</b>
<b>Product Part No.</b>	<b>Product Invoice No.</b>
<b>Product Description:</b>	<b>Make, model, and year of vehicle:</b>
<b>Product Work Order No.</b>	<b>Company your from/Company product purchased from:</b>

**Date of Fitment:** \_\_\_\_/\_\_\_\_/\_\_\_\_

Was the fitting hardware supplied complete?      Yes                      No

If no what was not supplied

---



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Did the installation go well?                      Yes                      No

Please provide comments

---



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Please draw diagrams if you need to.

**Post to**  
Reply Paid 122  
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(07) 3283 1168



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## DESPATCH CHECKLIST EAMA48SY

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

- OC.....1 – ECB Steel mounting bracket.
- OC.....1 – Pair Alloy Under Body Guard marked (MM) (P/C BLACK)
- BK.....1 – Bolt Kit.
- OC.....1 – Pair ECB Overriders – **Fitted to Bar**
- OC.....7 – 6mm Air Scoops – **Fitted to Bar**
- BK.....1 – ECB indicator / park light kit
- BK.....1 – ECB indicator wiring harness kit (IC11RANGLED100H)
- BK.....2 – 650mm lengths, 3mm clip lock trim
- BK.....1 – 2450mm length, 6mm clip lock trim



Is this product “the best it can be” Yes

If NOT fix before continuing

\_\_\_\_\_/\_\_\_\_\_  
Wrapper's initials / Checker initials

All parts checked and completed by:

Nut and bolts: \_\_\_\_\_ Date \_\_/\_\_/\_\_

Order control: \_\_\_\_\_ Date \_\_/\_\_/\_\_

Final wrap check: \_\_\_\_\_ Date \_\_/\_\_/\_\_



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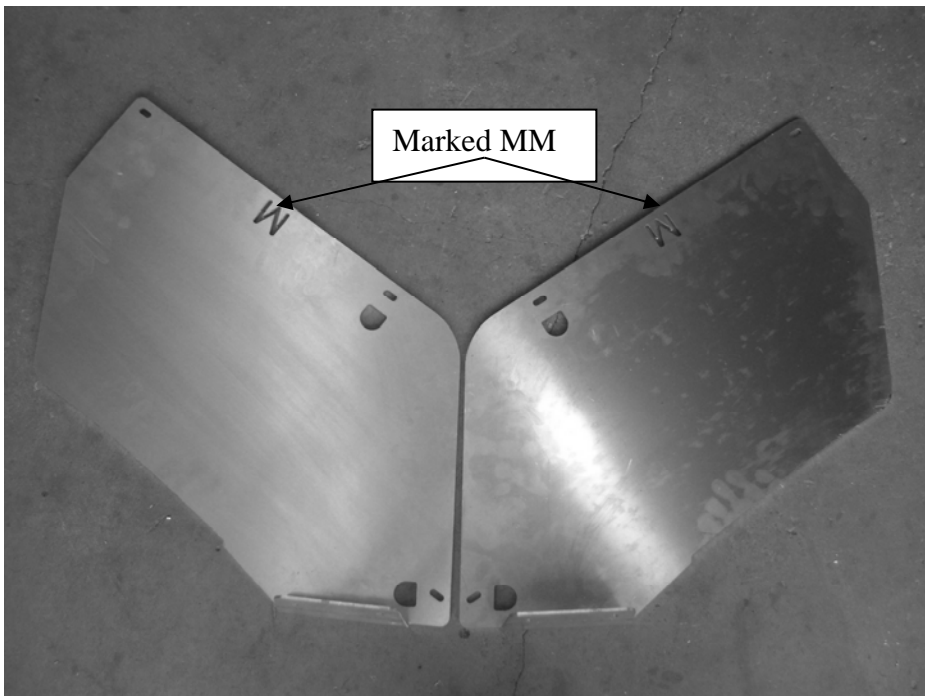
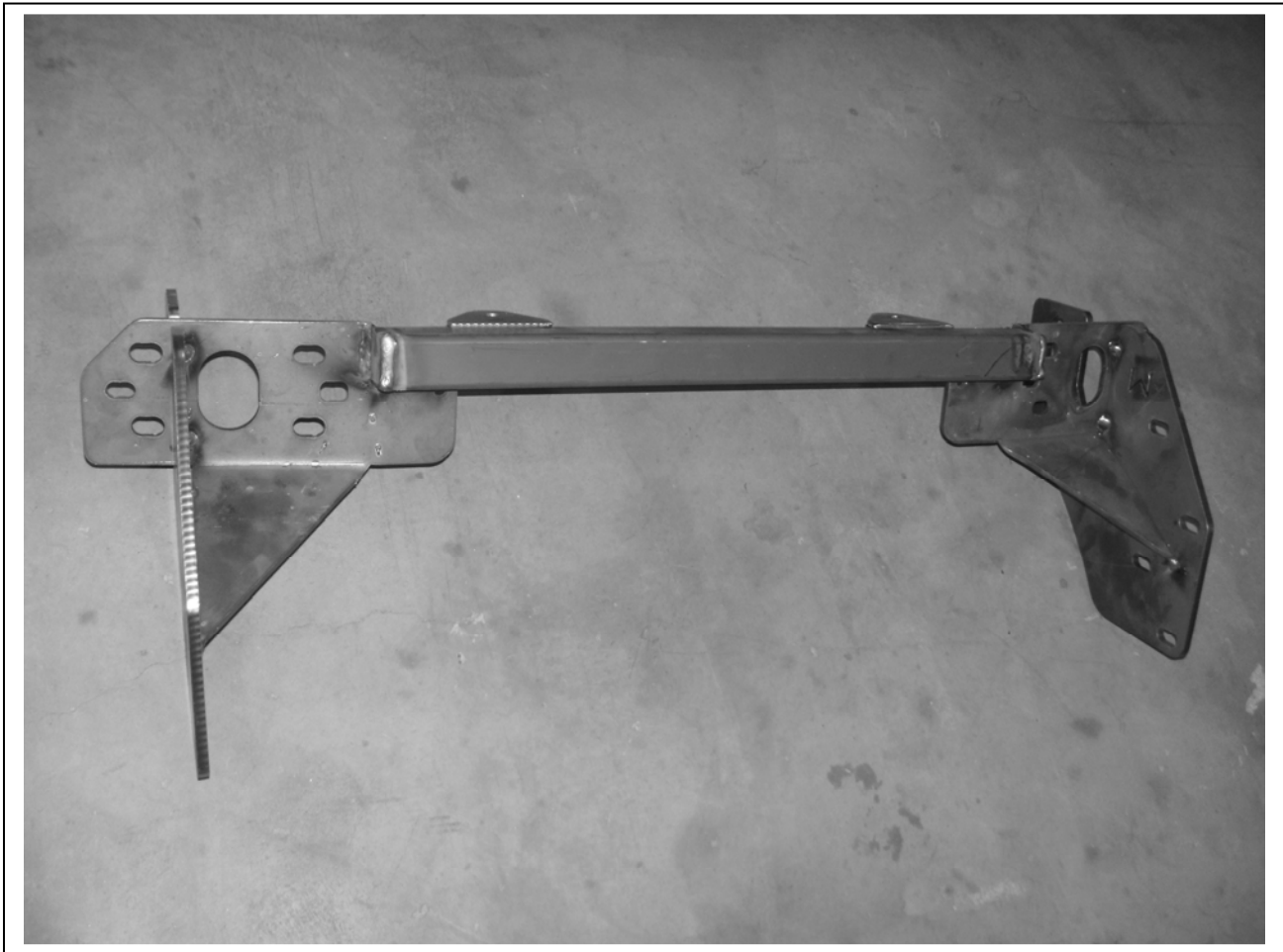
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\_\_\_\_\_  
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Alloy Under Body Guards (MM)