



**WORLD'S BEST  
ALLOY BULLBARS**

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

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## **EAGW08SY**

REPLACES: EAGW07SY

REVISED: 16.06.14

### **FITTING INSTRUCTIONS**

#### **GREAT WALL X200 / X240 03/11 on ARC™ BAR PROTECTION BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES**

Check installation hardware before commencing.

Sections of some steps included (marked Turbo diesel) are not required for the petrol vehicles.

1. Lift Bonnet.
2. Remove under body guard, four 12mm head bolts
3. Remove four plastic screw clips and four 10mm head bolts from top of bumper between headlights.
4. Remove two PK plastic screw clips (per side) from underside front end of plastic bumper cover to inner guard. Pull inner guard away from rear of bumper. Disconnect fog lights.
5. Remove three 10mm head bolts from underside of plastic bumper. Carefully unclip bumper from keeper clip at rear of lower guard and gently pull forward to remove.
6. Remove radiator air damming to allow fitment of ECB steel mounting bracket. Eight 8mm head bolts. Remove sides of air damming only for Turbo Diesel (four 8mm bolts).
7. Remove intercooler from intercooler mount (turbo diesel only). Retain mounting rubbers and washers for re-fitment to ECB steel mounting bracket.
8. Remove steel bumper support and intercooler mounts (turbo diesel) from ends of chassis rails. Three 13mm head bolts (per side).
9. Remove three lower bumper supports. Two 13mm nuts per support. **See figure 1 and 2.**
10. For automatic vehicle: remove oil cooler from drivers side, three 13mm head bolts. Disconnect feeder tubes from holder and rotate toward radiators. Install ECB alloy oil cooler mounts (supplied) onto original mounts using M8 x 16 bolts, spring washers and nuts and M6 x 20 bolt, flat washers and nyloc nut (supplied). **TIGHTEN ALL BOLTS**
11. Install oil cooler onto ECB oil cooler mount using original bolts. **See figure 3. TIGHTEN ALL BOLTS.** Reconnect feeder tubes to keeper clip on radiator support. Should feeder tubes be close enough to rub, carefully bend alloy oil cooler tubes to allow gap. **See figure 4.**
12. Slide ECB steel mounting bracket (supplied) onto ends of chassis rail from side. Install M10 x 1.25 x 40 bolts, spring washes and flat washers (supplied). **FINGER TIGHTEN ONLY.** Align mount to body of vehicle. **See figure 5.** Tighten all bolts.
13. Mark and drill top holes in chassis rails and through top of cross rail. **See figure 6** (ECB mounting bracket may need to be removed to allow access with drill.) **All filings must be blown out and bare metal treated using paint or a rust inhibitor.** Install M10 x 50 bolts flat washers, spring washers and nuts (supplied) into top holes and M10 x 40 bolts and washers on 300mm wire, flat washers, spring washers and nuts (supplied) for lower



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holes. Lower holes accessible from openings in side of chassis rail. **See figure 7. TIGHTEN ALL BOLTS.**

**WARNING: This step must be completed to eliminate excess movement of ECB protection bar.**

14. Fit intercooler to ECB steel mounting bracket using original rubbers for lower pins, M8 x 55 bolt, flat washers and nyloc nuts, original equipment rubber compression washer and original larger flat washer. Place original compression rubber and original flat washer between intercooler and ECB mount, flat washer to ECB mount side of rubber washer. **See figure 8 and 9.**
15. Mark and trim air dam to fit over ECB mount **See figure 10.** Refit radiator air damming using original equipment bolts.
16. Fit ECB oil cooler guard (supplied) to drivers side of ECB mount. Attach oil cooler guard to rear of ECB steel mounting bracket using two M6 x 20 bolts, flat washers and nyloc nuts.
17. Using paper masking tape, cover area of bumper to be trimmed so plastic bumper is not easily damaged. **Check measure the bumper template (supplied) to ensure the template is the correct size as some printers may vary.** Carefully cut around template. Fit template to sides of bumper and trace onto paper masking tape. Join lower edge of paper template using a straight line to top of grille opening in bumper cover. **See figure 11 on template page. Caution: Check, check and double check as once cut there is no rejoining the plastic bumper.**
18. Trim lower section from plastic bumper bar using a jigsaw or similar sharp cutting implement. The better the cut now, the better the finished product at the end. Remove and clean any burrs from the cut edge.
19. Remove paper tape used for plastic bumper protection. Refit top section of plastic bumper back to vehicle using original bolts and plastic clips. Fold inner guards forward and press onto captive bolt remaining from bumper support bracket on radiator support. Drill holes in inner guard to 8mm (5/16) and fit to captive bolts on radiator support using original nuts. **See figure 12.**
20. Disconnect indicator lights on vehicle. Install ECB quick click wiring harnesses (supplied) between disconnected harness and indicator on vehicle. Parking light is direct connected to ECB quick click wiring harnesses. Run wiring out from under lights ensuring clearance from sharp edges and moving parts. Fit load resistors (supplied as part of harness) on flat section under indicator on ECB protection bar using two 8 gauge x 22mm self drilling screws (supplied). **See figure 13. Caution: Load resistors get hot. Do not use plastic ties or attach to wiring. Keep all wiring clear.**
21. Connect ECB Quick Click fog light wiring harness (supplied) into original wiring harness.
22. Fit ECB LED indicator / park lights (supplied) into protection bar as per instructions supplied with the LED indicator kit. **NOTE: Ensure park light is to outside. See figure 14.**
23. Attach ECB fog lights to protection bar. Place M6 x 20 bolts, spring washers (supplied) through light mount from inside and attach nut to top. Slide assembly into light mount in Protection bar and centralize light to hole. **TIGHTEN FIRM ONLY. See figure 15.**
24. Fit ECB alloy mesh to inside of Protection bar using six M5 nyloc nuts, flat washers. Carefully tighten by hand. Do not over tighten.
25. Attach 3mm clip lock trim (supplied) to lower rear cut edge of plastic bumper cover. **NOTE: Trim off lower edge on an angle so trim will sit flush with end of plastic bumper cover. See figure 16.**



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26. 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 17, 18 and 19.**
27. Fit ECB Protection bar to outside of ECB steel mounting brackets using M12 x 40 bolts, flat washers, spring washers and nuts (supplied). **Finger tighten only.**
28. Align ECB protection bar with vehicle allowing an approximate gap of 10mm around front of bumper and 10mm under side trim of plastic bumper cover. **See figures 20 and 21. TIGHTEN ALL BOLTS.**
29. Connect ECB indicator / park lights and fog lights. **Caution: Load resisters get hot. Do not use plastic ties or attach to wiring. Keep all wiring clear.** Ensure load resisters are correctly mounted and away from all wiring before testing. Check all lights for correct operation. Zip tie wiring to avoid pressure on connectors from stretch between ECB protection bar and vehicle.
30. Trim under body guard to allow fitment around ECB steel mounting bracket where required. Refit using original 12mm head bolts.

**WARNING: Load resisters get hot. Do not use plastic ties or attach to wiring.  
Keep all wiring clear.**

#### **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) This Protection bar has been designed to ensure adequate air flow to the cooling system of the vehicle. Consideration must be given to the style and type of driving lights fitted to top of protection bar as this may impact on the cooling system of the vehicle.
- g) **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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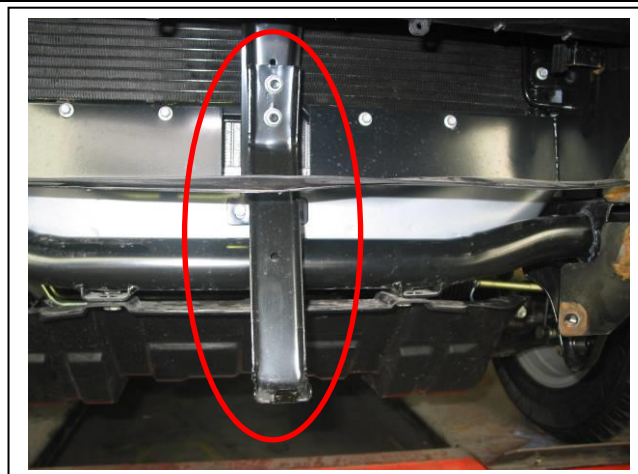
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## **FITTING KIT**

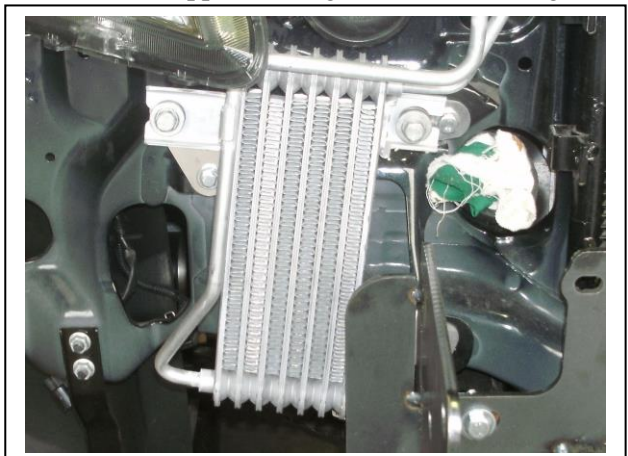
1 – ECB steel mounting bracket	2 – M8 nyloc nuts
1 – ECB top oil cooler bracket (two M8 nutsert fitted)	5 – M6 x 20 bolts
1 – ECB lower oil cooler bracket (one M8 nutsert fitted)	6 – M6 flat washers
1 – ECB oil cooler guard	2 – M6 spring washers
6 – M12 x 1.25 x 40 bolts	2 – M6 nut
1 – 635 x 135mm small expanded mesh (P/C black)	3 – M6 nyloc nuts
12 – M12 flat washers	6 – M5 Nyloc nuts
6 – M12 spring washers	6 – M5 flat washers
6 – M12 x 1.25 nuts	4 – 8 gauge x 22mm self tapping screws
6 – M10 x 1.25 x 40 bolts	1 – ECB LED Indicator / Park light kit
2 – M10 x 1.25 x 50 bolts	1 – Quick Click Indi / Park kit (IC11GWXECB100H)
2 – M10 x 1.25 x 40 bolts and washers on 300mm wire	1 – ECB fog light kit
12 – M10 flat washers	2 – Fog light surrounds
10 – M10 spring washers	1 – Quick Click fog wiring kit (IC11GWX1004ECBH)
4 – M10 x 1.25 nuts	1 – 2500mm length 6mm clip lock trim
2 – M8 x 55 bolts	2 – 600mm length 6mm clip lock trim
2 – M8 x 16 bolts	2 – 400mm lengths 3mm clip lock trim
6 – M8 flat washers	<b>4 – 300mm cable ties</b>
2 – M8 spring washers	



**Figure 1:** Side bumper support. Nuts are refitted to vehicle to support inner guard at a latter stage.



**Figure 2:** Centre bumper support.



**Figure 3:** Oil cooler fitted to ECB alloy mounts.  
Intercooler removed.



**Figure 4:** Adjusting oil lines to avoid them rubbing together.



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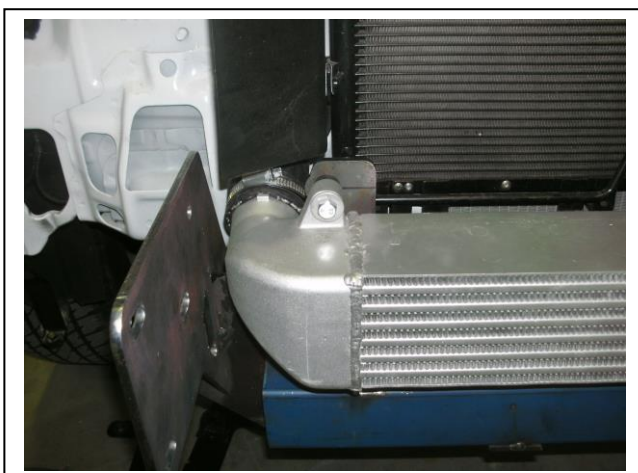
**Figure 5:** ECB steel mounting bracket.



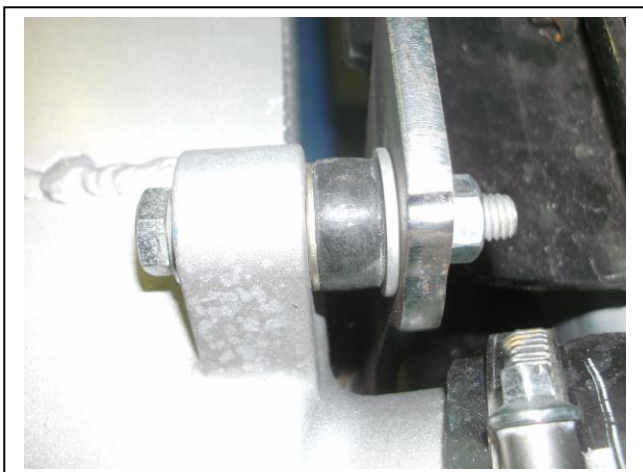
**Figure 6:** Drill hole in top of chassis rail to 10mm.



**Figure 7:** ECB steel mount lower bolt.



**Figure 8:** Mounting of intercooler.  
(diesel models only)



**Figure 9:** Mounting of intercooler.  
(diesel models only)



**Figure 10:** Placement of resistor on ECB  
protection bar. **Caution: Load resistors get hot.  
Do not use plastic ties or attach to wiring. Keep  
all wiring clear.**



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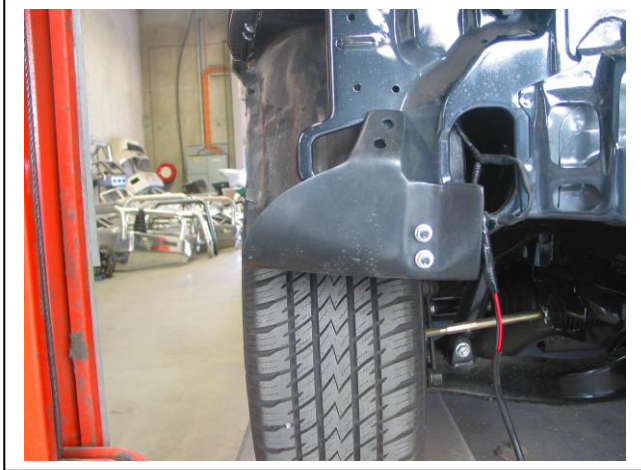
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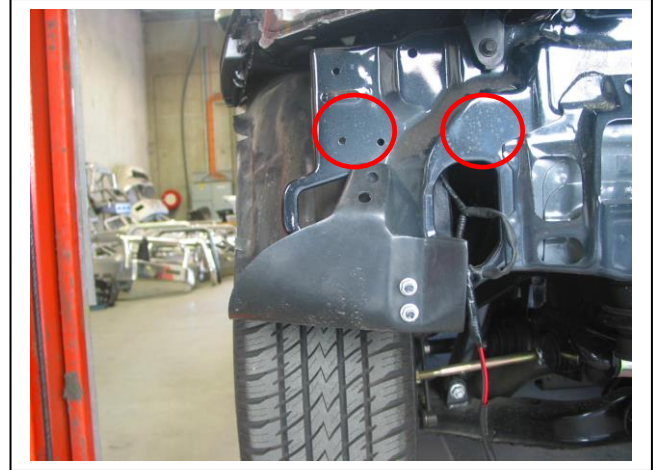
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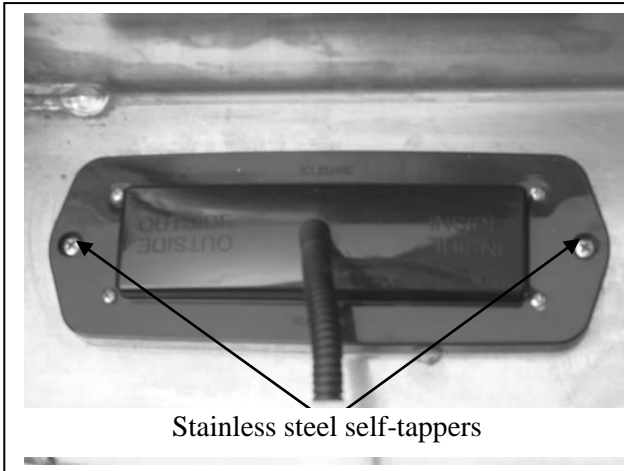
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**Figure 12:** Folded inner skirt attached to radiator support panel.

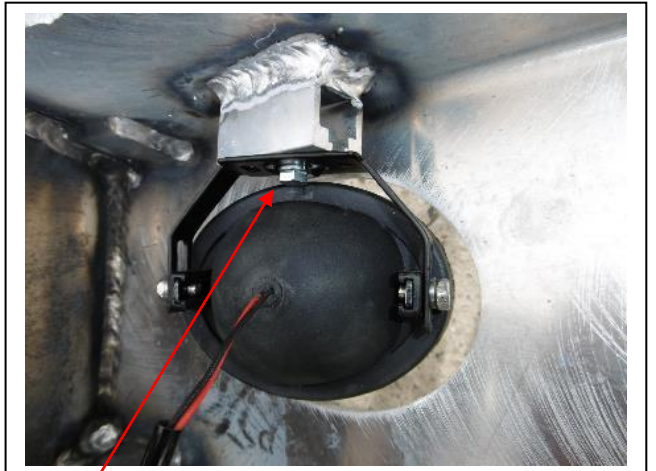


**Figure 12:** Possible positioning for resistors on vehicle. Drivers side shown. **Caution:** Ensure placement does not affect oil cooler.



Stainless steel self-tappers

**Figure 14**

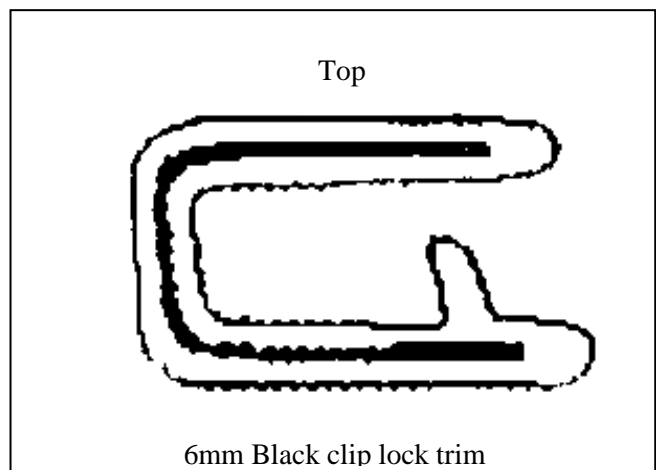


M6 bolt

**Figure 15**



**Figure 16:** 3mm clip lock trim



6mm Black clip lock trim

**Figure 17**



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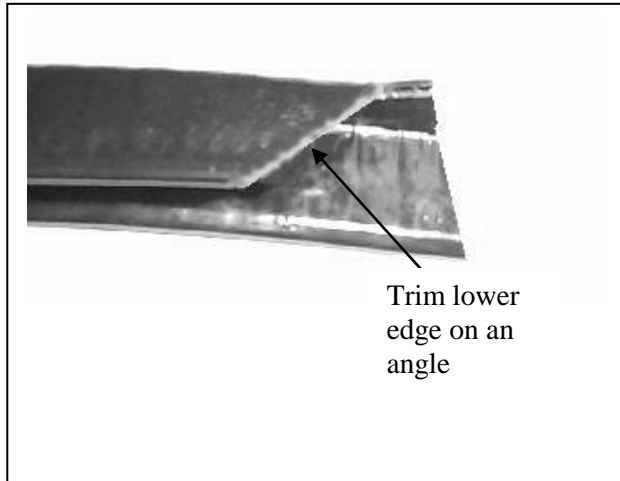
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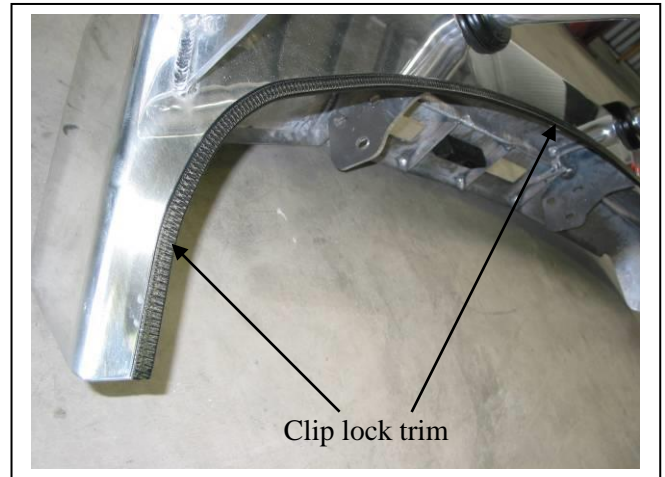
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**Figure 18**



**Figure 19**



**Figure 20: Front view**



**Figure 21: Side view**



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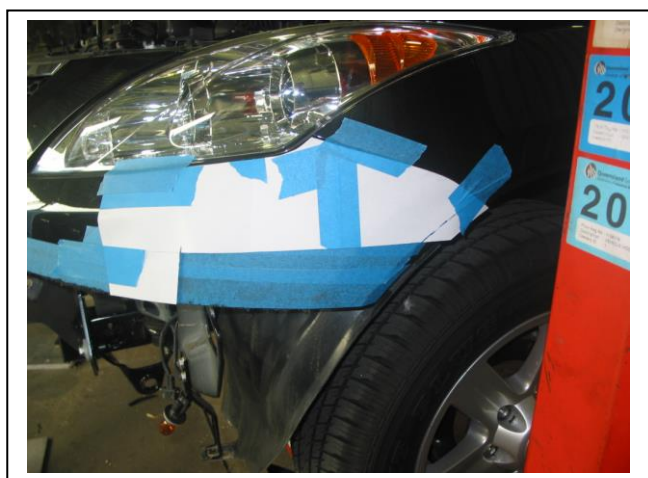
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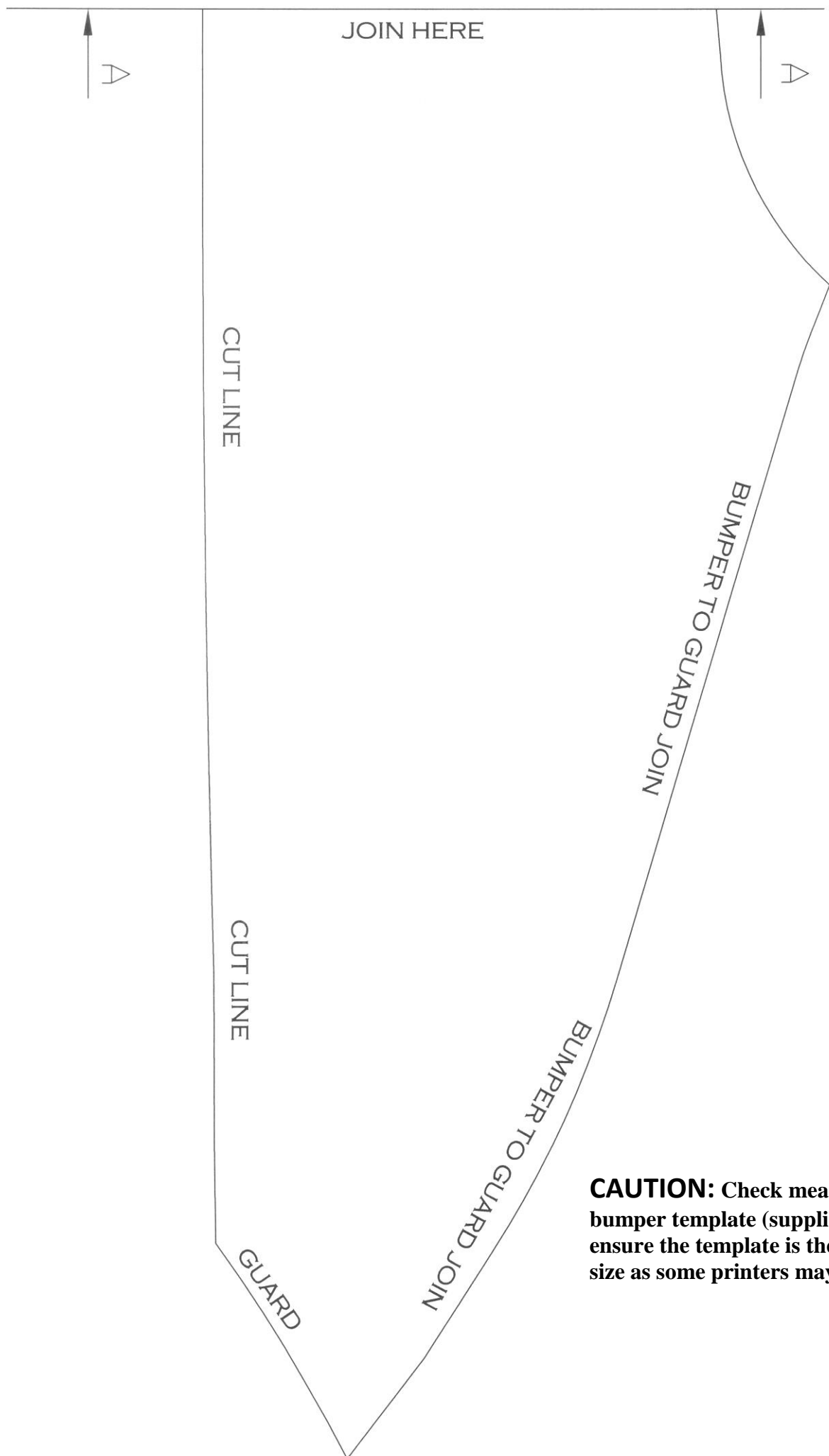
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**Figure 11:** Template placement on passenger's side of vehicle. **Check measure the bumper template (supplied) to ensure the template is the correct size as some printers may vary.**





**CAUTION:** Check measure the bumper template (supplied) to ensure the template is the correct size as some printers may vary.





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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

---

---

---

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

PO Box 122

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**Fax to**

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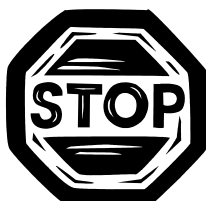
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## DESPATCH CHECKLIST EAGW08SY

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

- OC.....1 – Steel mounting bracket.
- OC.....1 – Alloy oil cooler top mount (**with two M8 nutserts fitted**)
- OC.....1 – Alloy oil cooler lower mount (**with one M8 nutserts fitted**)
- OC.....1 – Alloy oil cooler guard
- OC.....1 – Small alloy mesh (630 x 125 powder coated black)
- BK.....1 – Bolt Kit.
- BK.....1 – ECB LED Indicator / Park light kit.
- BK.....1 – **Quick Click Indi / Park kit (IC11GWXECB100H)**
- BK.....1 – ECB fog light kit
- BK.....1 – **Quick Click fog wiring kit (IC11GWX1004ECBH)**
- BK.....2 – Fog light surrounds
- BK.....1 – 2500mm length 6mm clip lock trim
- BK.....2 – 600mm length 6mm clip lock trim
- BK.....2 – 400mm lengths 3mm clip lock trim
- OC.....2 – ECB **TRIMMED** overrides – **Fitted to bar**
- OC.....3 – 6mm air vents – **Fitted to bar**



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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