



**WORLD'S BEST  
ALLOY BULLBARS**

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

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**EAT214SY**

REPLACES: 00.00.00

REVISED: 14.01.16

## **FITTING INSTRUCTIONS**

### **TOYOTA HILUX 5/15on Wide body Halogen headlights ECB ARC BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES**

Check installation hardware before commencing

1. Lift bonnet.
2. Remove eight plastic push pull clips from top panel between headlights and remove panel. **See figure 1.**
3. From top of grille, remove four 10mm head bolts. **See figure 2.**
4. Remove three 10mm head bolts from top of bumper behind grille.
5. From bumper behind grille, remove two plastic push pull clips. **See figure 3.**
6. Remove nine 10mm head bolts from underside of bumper, remove two plastic push pull clips from wheel arch per side, pull outwards on bumper wing to unclip from guard and slide bumper forward from vehicle.
7. Remove plastic bumper stiffener, three 10mm head bolts and left and right hand air ducts, three push pull plastic clips (per side). **See figure 4.**
8. Remove plastic cushioning from front of bumper reinforcement by pulling it forward from vehicle to release christmas tree clips.
9. Remove two 14mm head bolts from bumper reinforcement (per side) and remove reinforcement.
10. Remove lower plastic from under radiator, two 10mm head bolts and 5 push pull clips.
11. Fit ECB steel mounting bracket (supplied) onto end of chassis rail and fix with two original bolts and two M10 x 40mm bolts, flat washers, spring washers and nuts (supplied) into front of rail (per side) (**finger tighten only**). From inside of chassis rail, install two M10 x 85mm bolts, flat washers, washer plate and spacer tubes through chassis rail and ECB steel mounting bracket. On outside of these bolts fit ECB Steel tow hook, flat washer, spring washers and nuts (supplied). In rear hole of ECB steel tow hook, install 6mm alloy washer between tow hook and chassis rail, fit using one M12 x 40mm bolt, spring washer and flat washer (supplied)(per side). Centralize mount to vehicle body. **Align and tighten all bolts. See figure 5 and 6.**
12. Mark and trim air dams to fit around steel mounts. **See figure 7.** Refit to vehicle.
13. Refit plastic bumper stiffener to vehicle.
14. Check ECB template for correct sizing. Cut ECB template from this instruction using a sharp pair of scissors. Place template on vehicle to establish cut area see **figures 8, 9 and 10.** Mask cut area to avoid damage to surface of bumper. Using ECB bumper template mark out cut line, check cut line for correct and cut bumper with jigsaw or similar tool.



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15. Remove bumper side locator and trim as per **figure 11**. Two plastic screw clips (Per side).
16. Refit bumper locator to vehicle, fix with M6 x20mm bolt, flat washer and nyloc nut in top front hole (supplied) (Per side). **See figure 12**.
17. Refit bumper to vehicle and trim cut line with 3mm clip lock supplied.
18. Fit ECB LED indicator / park lights into protection bar as per instructions supplied with the LED indicator kit. Ensure light is correct way up. **See figure 13**.
19. 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.
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 14, 15 and 16**.
21. Install ECB protection bar onto steel mount using three M12 x 40mm bolts, flat washers, spring washers and nuts (per side). Align protection bar to front of vehicle and tighten all bolts. **See figures 17 and 18**.
22. Using ECB back stop supplied (TO AVOID DAMAGE TO RADIATORS) drill outer holes in stone tray to 8mm. **See figure 19**.
23. Install ECB centre under body guard using three M5 x 20 mm philips head bolts, flat washers and nyloc nuts in front holes, M6 x 25mm bolts, flat washers and nyloc nuts (supplied) in rear holes.
24. Install ECB side under body guards using two M5 x 20mm philips head bolts, flat washers and nyloc nuts in front holes, M6 x 25mm bolts, flat washers and nyloc nuts (supplied) in rear hole (per side)
25. Trim sides of liner to tuck in behind channel end.
26. Mark and trim liner to fit under body guard. **See figure 20**. Fix liner to under body guard with 8mm self drilling screws. (Pilot hole is recommended)

#### **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.**



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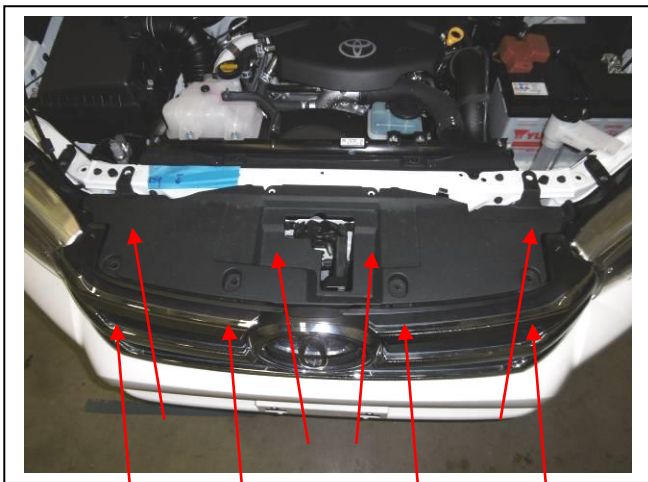
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### **IMPORTANT INFORMATION**

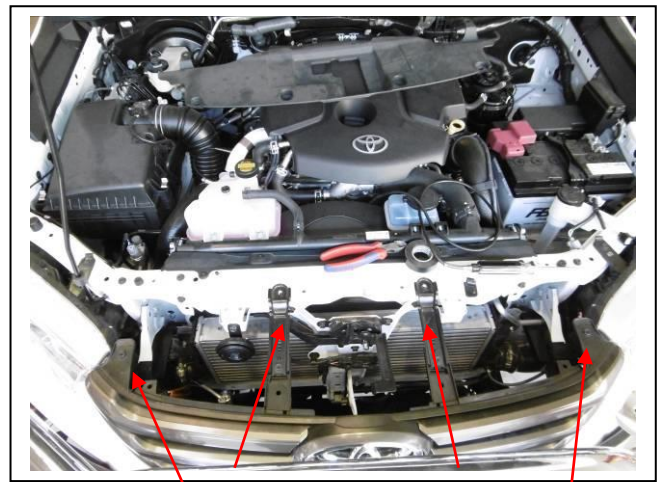
Periodically check bolts and nuts for correct tightness, especially if travelling on rough roads

### **FITTING KIT**

1 – ECB Steel mounting bracket	8 – M10 spring washers
2 – Washer plates	6 – M10 nuts
2 – Tow hooks	4 – M6 x 20 bolts
1 – Centre under body guard	5 – M6 x 25 bolts
1 – Pair side under body guards	14 – M6 flat washers
4 – 10 NB steel tubes 53mm long	7 – M6 nyloc nuts
2 – 40 x 6mm round alloy washers	7 – M5 x 20 philips head bolts
1 – ECB back stop plate	14 – M5 flat washers
8 – M12 x 1.25 x 40mm bolts	7 – M5 nyloc nuts
12 – M12 flat washers	4 – 8-10 gauge hex self-tapping screws
8 – M12 spring washers	1 – ECB LED Indicator/Park light/DRL kit (ICLED105ECB)
6 – M12 nuts	1 – ECB quick click kit (IC15TOHLOIPDH)
4 – M10 x 1.5 x 100mm bolts	2 – 6 mm clips lock 900 mm long
4 – M10 x 1.5 x 40mm bolts	2 – 3 mm clips lock 1200mm long
14 – M10 flat washers	3 – 3mm air vents



**Figure 1**



**Figure 2**



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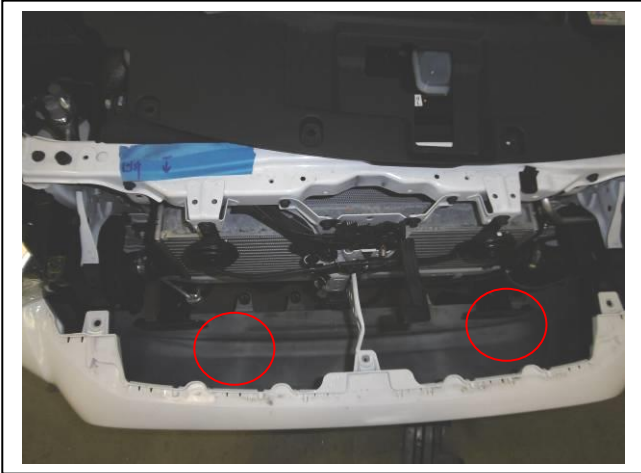


Figure 3

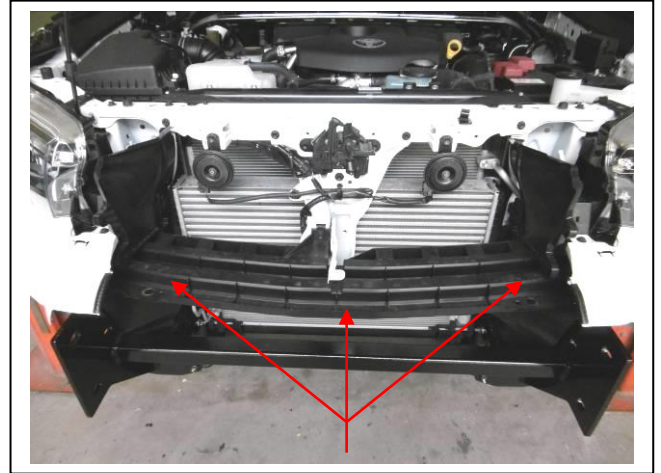


Figure 4.



Figure 5. Configuration of components

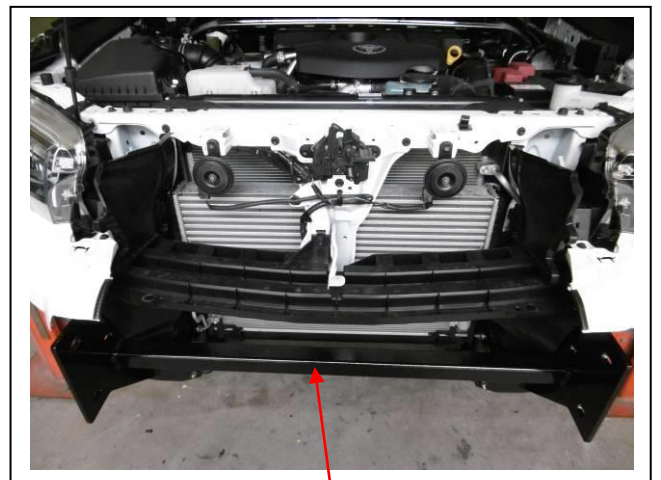


Figure 6. Steel mounting bracket fitted



Figure 7. Trim of Air dam



Figure 8. Template Placement



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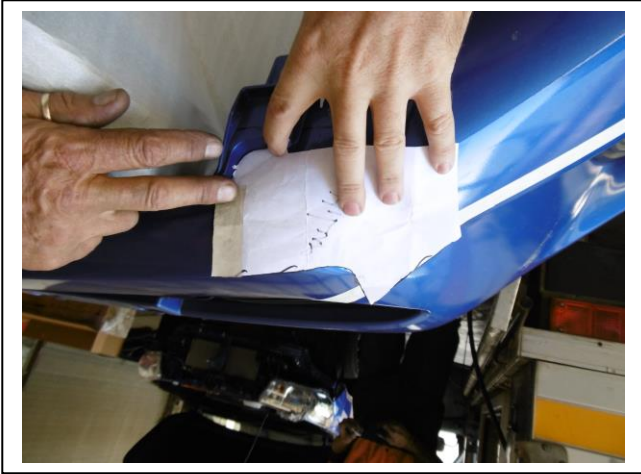
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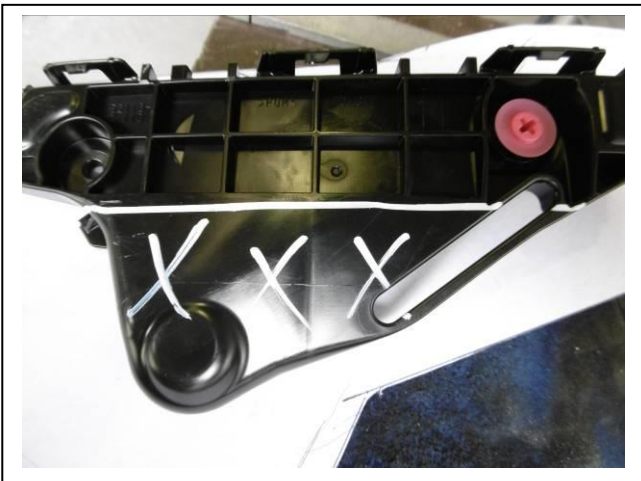
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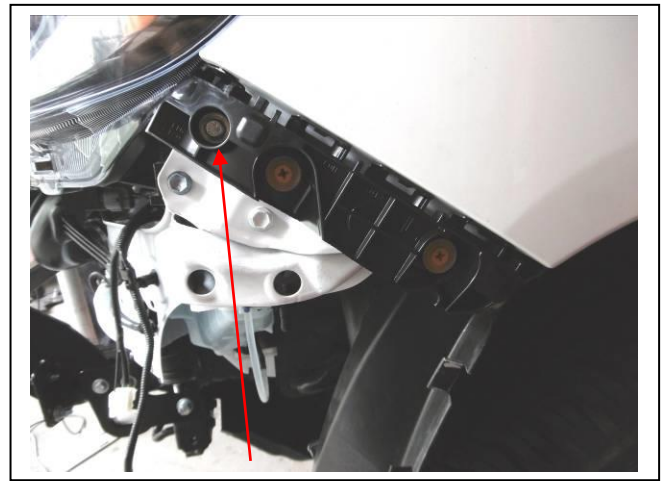
**Figure 9. Template Placement**



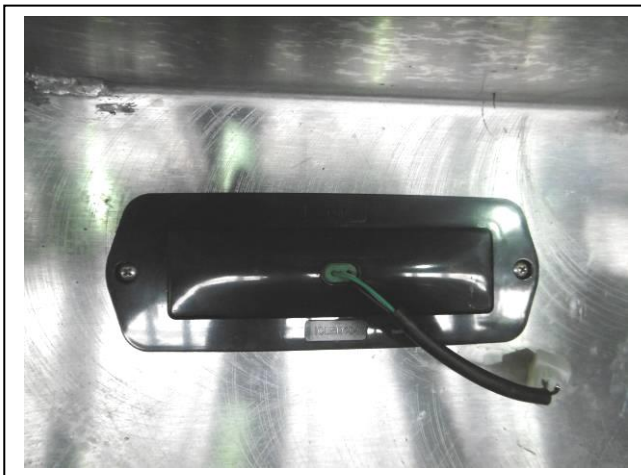
**Figure 10. Template Placement**



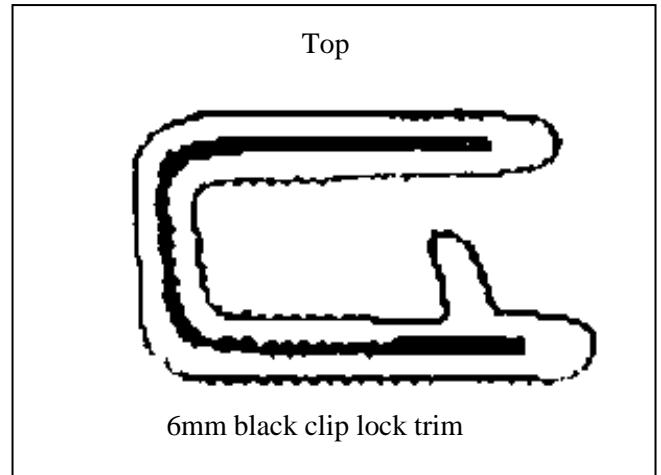
**Figure 11. Locator trim line**



**Figure 12. Locator fitted**



**Figure 13.**



**Figure 14.**



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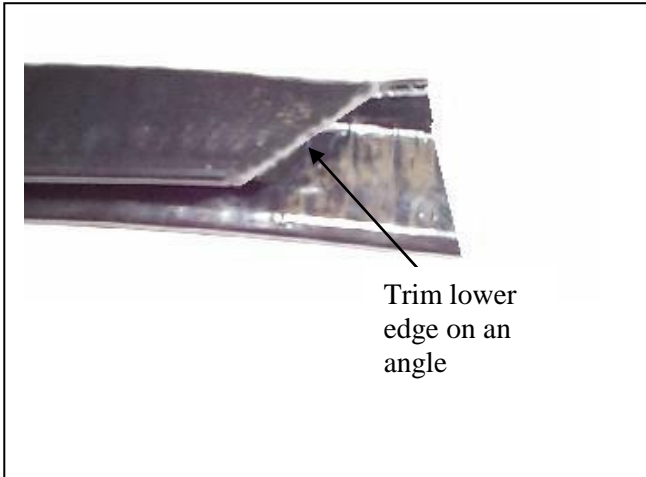


Figure 15

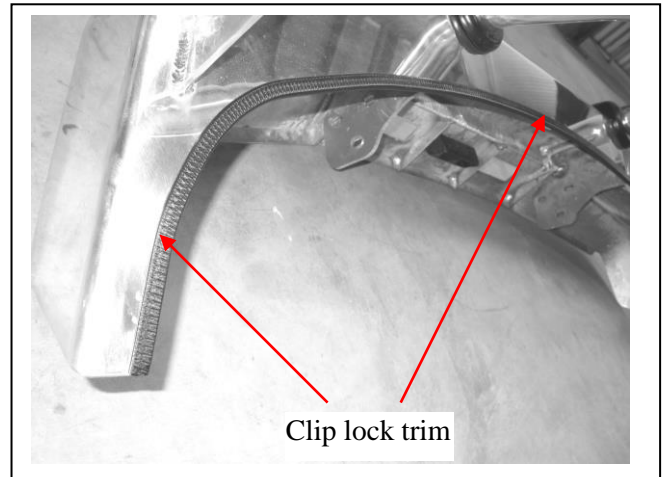


Figure 16.



Figure 17.



Figure 18

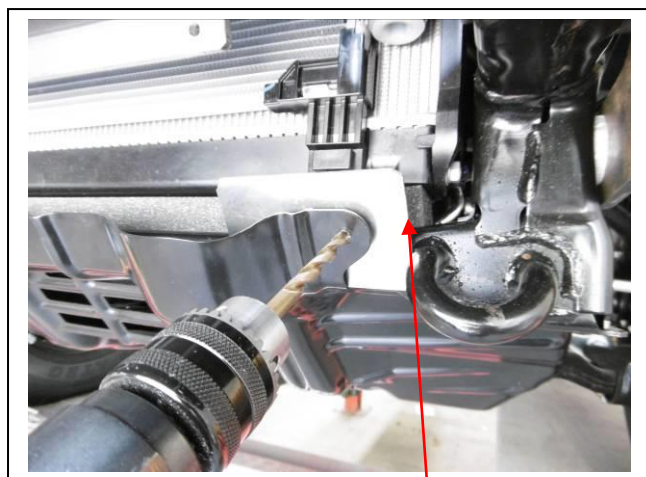


Figure 19. Back stop to protect radiators while drilling



Figure 20. Liner trimmed to fit



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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.

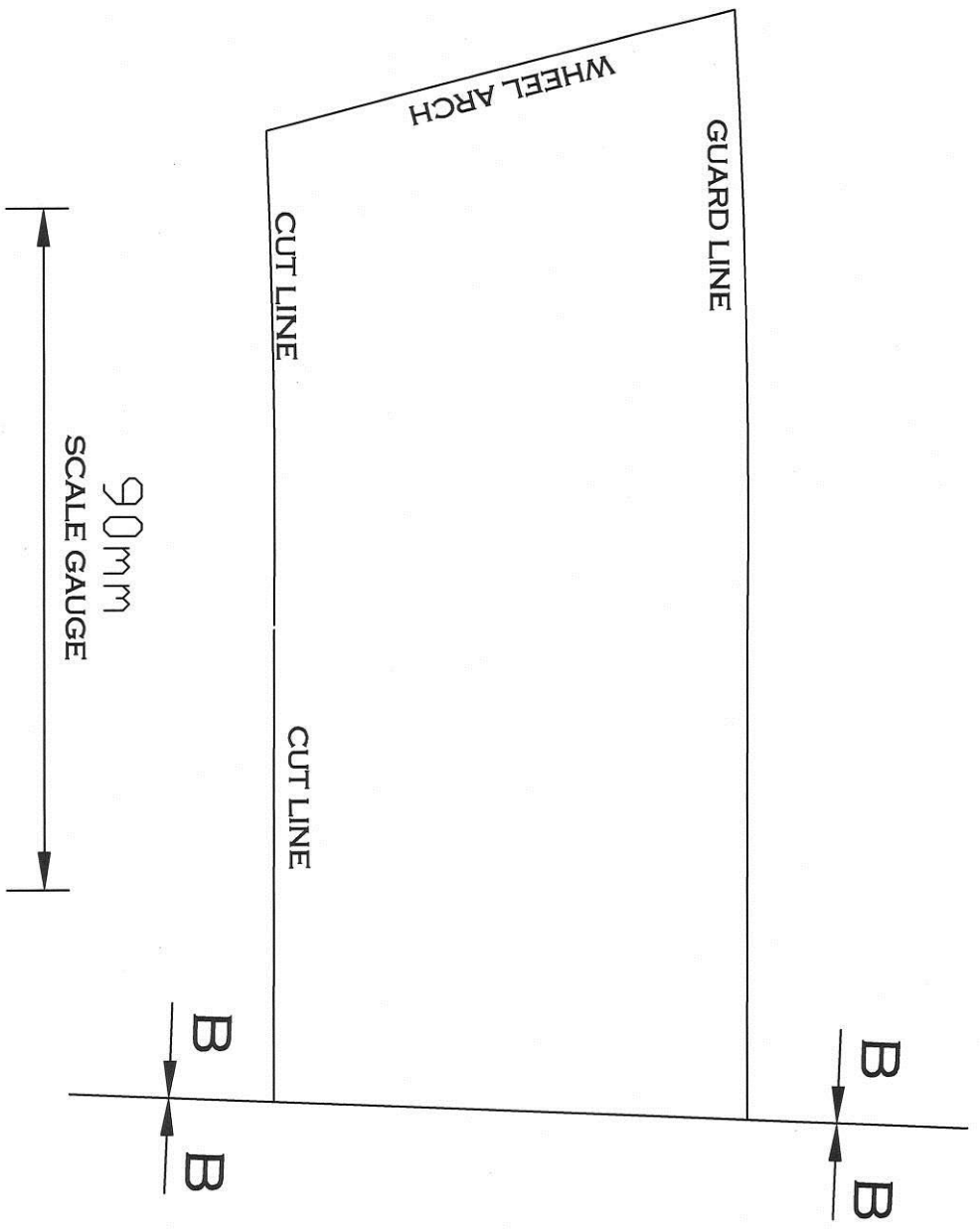
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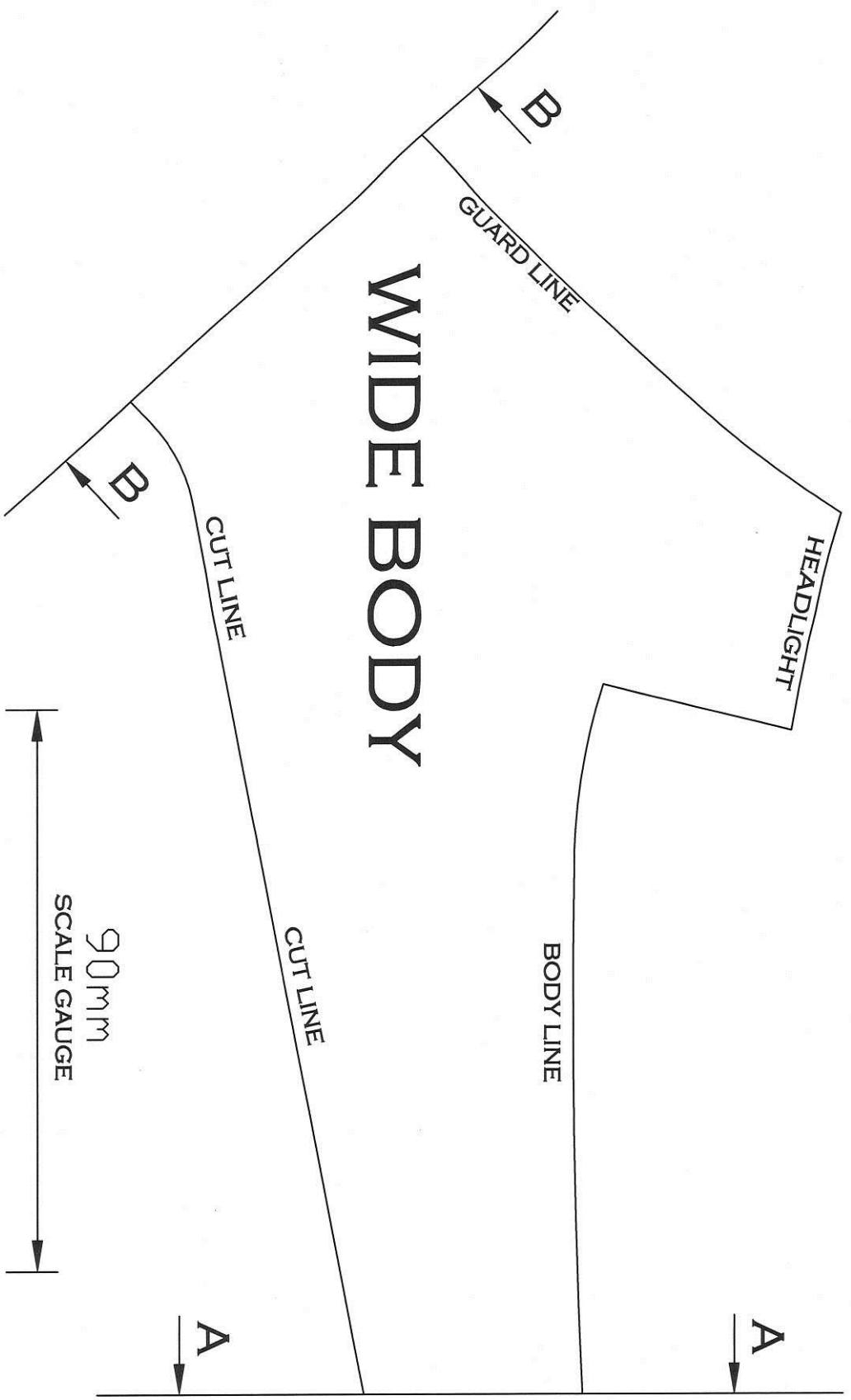


# WIDE BODY TEMPLATE PART A



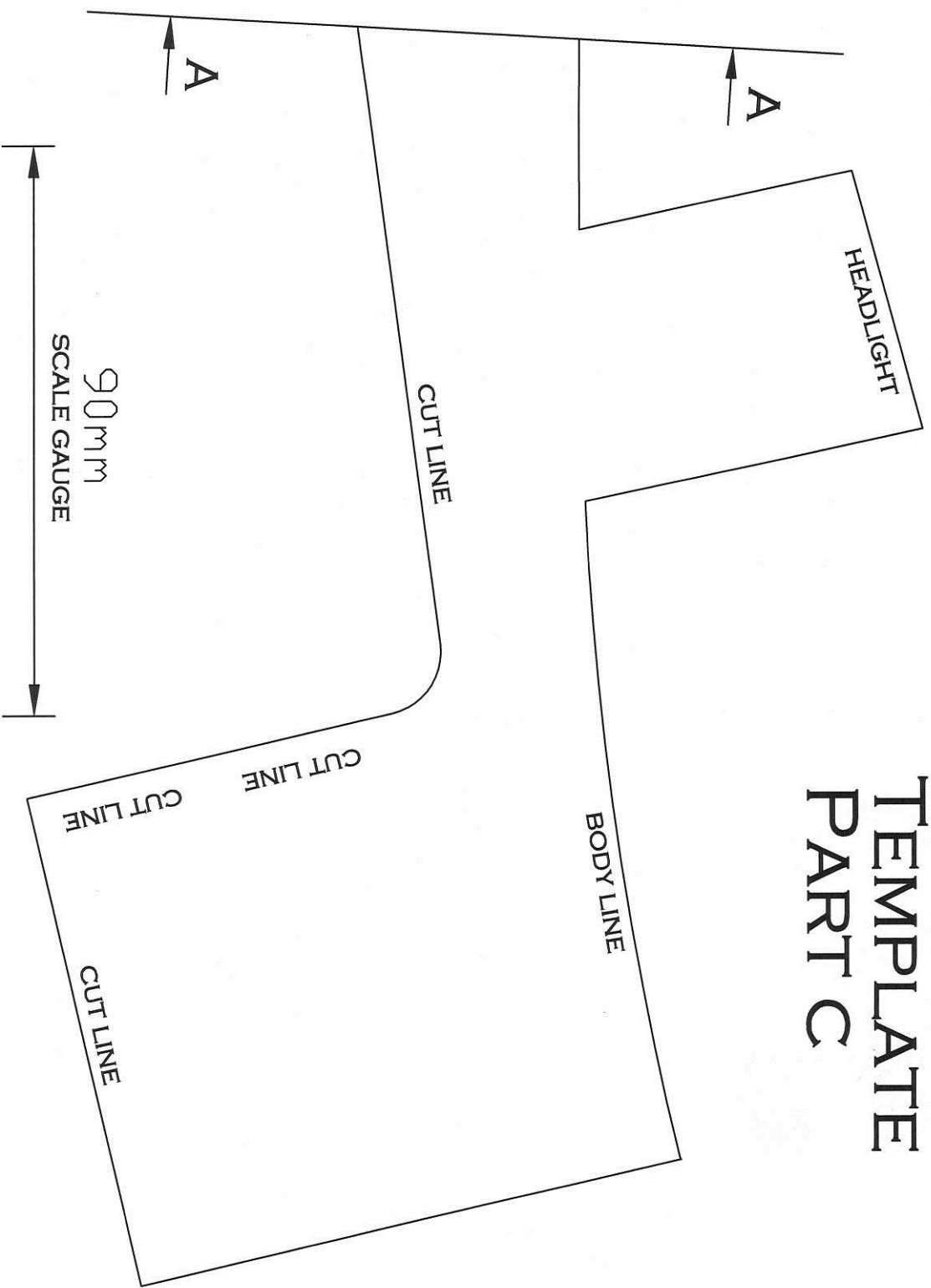


# WIDE BODY TEMPLATE PART B





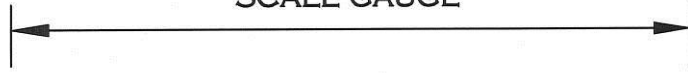
# WIDE BODY TEMPLATE PART C





# GRILLE END TEMPLATE

90mm  
SCALE GAUGE









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# DESPATCH CHECKLIST EAT214SY

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.....2 - ECB steel tow brackets
- OC.....1 - Pair side under body guards (wide body)
- OC.....1 - Centre under body guard (large)
- BK.....1 - Bolt Kit.
- BK.....1 - Indicator / park kit / DRL (ICLED105ECB)
- BK.....1 - Quick click harness (IC15TOHLOIPDH)
- OC.....1 - Pair ECB overrides (fitted to bar)
- OC.....7- 6mm air scoops (fitted to bar skirt - ECB to bottom)

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



**Is this product "the best it can be" Yes**  
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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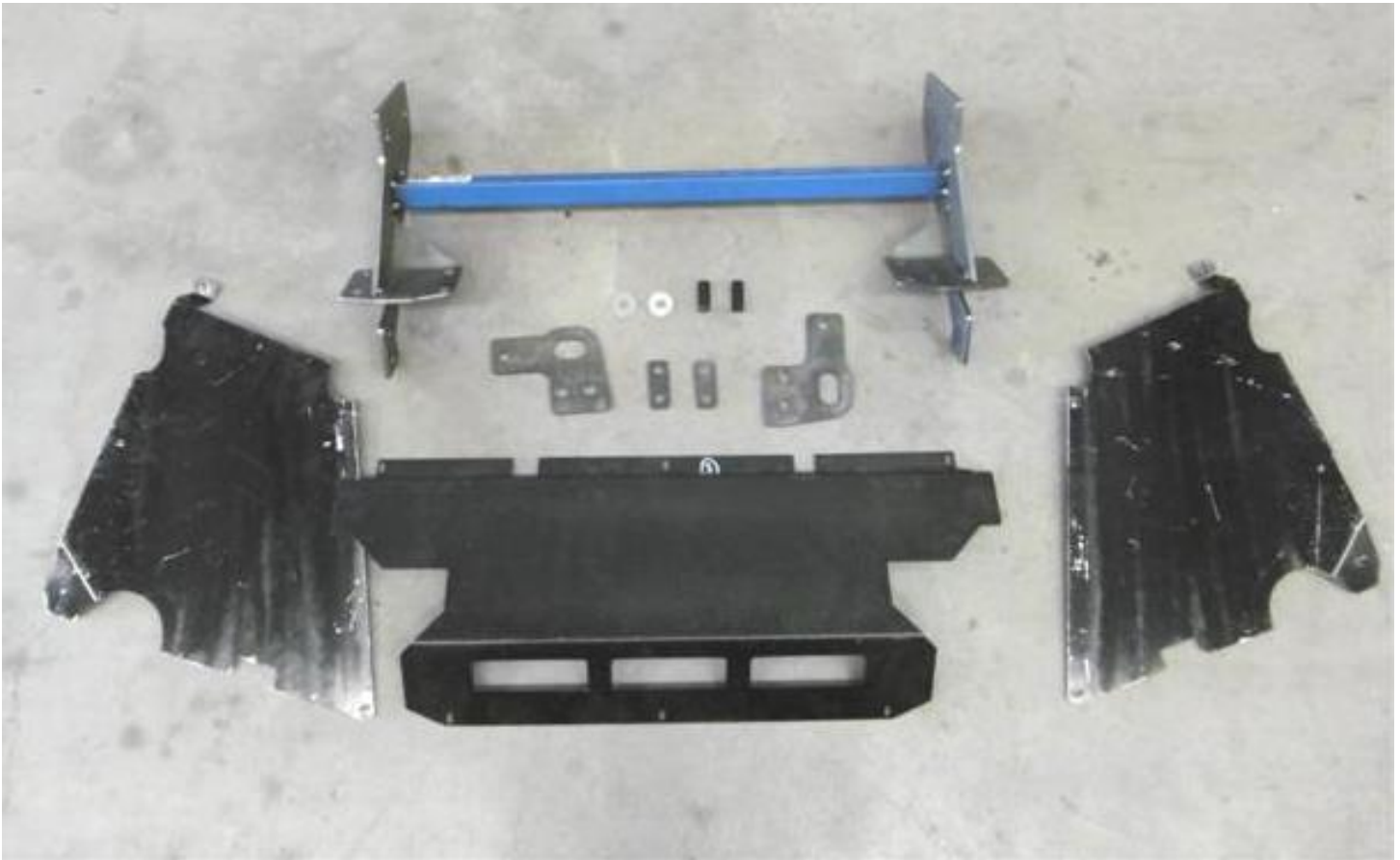
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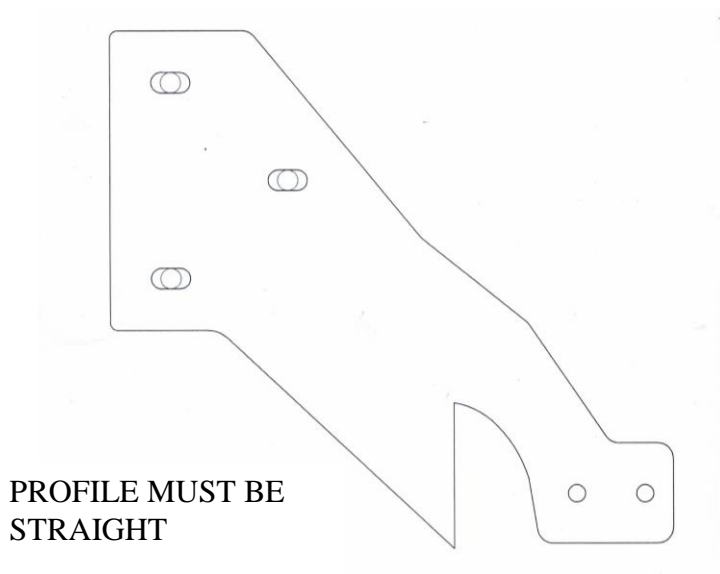
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**PROFILE MUST BE  
STRAIGHT**