



**WORLD'S BEST
ALLOY BULLBARS**

East Coast Bullbars (ECB Pty Ltd)

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EAT231SY

REPLACES: 00.00.00

REVISED: 19.04.16

FITTING INSTRUCTIONS

TOYOTA FORTUNER 5-15 ON ECB WINCH COMPATIBLE BIG TUBE with fog lights 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 one plastic push pull clip and one 10mm head bolt from each wheel arch, pull outwards on bumper wing to unclip from guard. Disconnect fog lights if required and slide bumper forward from vehicle.
7. Remove plastic bumper stiffener, three 10mm head bolts and left and right hand air ducts, 3 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 winch cradle onto end of chassis rail and fix with two original bolts and two M10 x 40mm bolts, flat washers, spring washers and nuts into front of rail. (finger tighten only). From outside of chassis rail, install two M10 x 100mm bolts, flat washers into tow hook and steel mount through chassis rail, slide spacer tubes onto bolts then fit winch cradle gusset onto bolts, fix with flat washers, spring washers and nuts. **See figure 5.** In rear hole of ECB steel tow hook, install 6mm alloy washer between tow hook and chassis rail, fix using one M12 x 4mm bolt, spring washer and flat washer (supplied) (per side). Centralise cradle to vehicle body. Align and tighten all bolts.
12. Install fairlead roller to front of ECB winch frame using bolts supplied with winch. **Finger tighten only.**
13. Install control box mount (supplied) to rear of control box using bolts / nuts supplied with winch.
14. Install winch into ECB winch frame using bolts supplied with winch. Attach control box to winch using two worm drive hose clamps (supplied) for Warn control box mount and Mean Mother control box mount as per instructions supplied with winch. Ensure winch housing is turned so that the control arm is easily accessible through the front holes of the protection bar.



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15. Mark and trim air dams to fit around steel mounts. **See figure 6.** Refit to vehicle. **See figure 7**
16. Refit plastic bumper stiffener to vehicle.
17. 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. Mask cut area to avoid damage to surface of bumper. Using ECB bumper template mark out cut line, check cut line again and then cut bumper with jigsaw or similar tool. **See figure 8**
18. Remove bumper side locator and trim using the cut bumper as a guideline before refitting (Each side).
19. Refit bumper to vehicle and trim cut line with 3mm clip lock supplied.
20. 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 9.**
21. 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 10.** Install fog light trims.
22. 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.
23. Connect ECB Quick Click fog light wiring harness (supplied) into original wiring harness.
24. Attach 6mm clip lock trim (supplied) to top of ECB protection bar.
25. 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 11 and 12.**
26. Using ECB back stop supplied (TO AVOID DAMAGE TO RADIATORS) drill outer holes in stone tray to 8mm. **See figure 13.**
27. 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 in rear holes. **See figure 14**
28. 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 in rear hole. (per side)
29. Trim sides of liner to tuck in behind channel end.
3. Mark and trim liner to align with the under body guard. **See figure 15.** Fix liner to under body guard with 8mm self drilling screws. (Pilot hole is recommended)

ENSURE NUMBER PLATE IS CLEARLY VISABLE



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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

1 – ECB winch frame	4 – M6 x 20 bolts
2 – Winch cradle gussets	5 – M6 x 25 bolts
2 – Tow hooks	28 – M6 flat washers
1 – Centre under body guard	2 – M6 spring washers (for fog lights)
1 - Pair side under body guards	7 – M6 nyloc nuts
4 – 10 NB steel tubes 53mm long	2 – M6 nuts
2 – Alloy 40 x 6mm washers	7 – M5 x 20 Phillips head bolts
1 – ECB back stop plate 150mm x 80mm	7 – M5 nyloc nuts
1 – Warn control box mount	4 – 8-10 gauge self tapping screws
1 – Mean mother control box mount	1 – ECB LED Indicator/Park light/DRL kit (ICLED105)
12 – M12 x 1.25 x 40mm bolts	1 – ECB Quick Click harness (IC15TOFOHIPDH)
22 – M12 flat washers	1 – ECB fog light kit
12 – M12 spring washers	1 – ECB Quick Click kit (IC10D40S1004ECBH)
12 – M12 nuts	4 – Fog light surrounds
4 – M 10 x 1.5 x 100mm bolts	1 – 6 mm clips lock 2700 long
4 – M10 x 1.5 x 40mm bolts	1 – 6 mm clips lock 650mm long
16 – M10 flat washers	2 – 3 mm clips lock 1200mm long
8 – M10 spring washers	2 – Worm drive hose clamps
8 - M10 nuts	3 – 6mm air vents

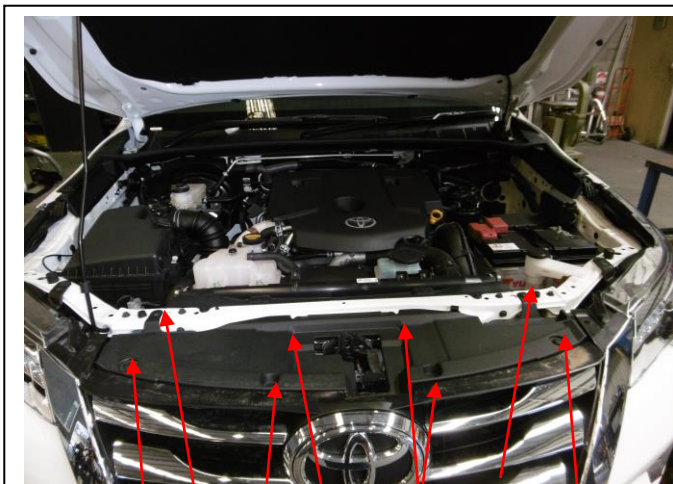


Figure 1

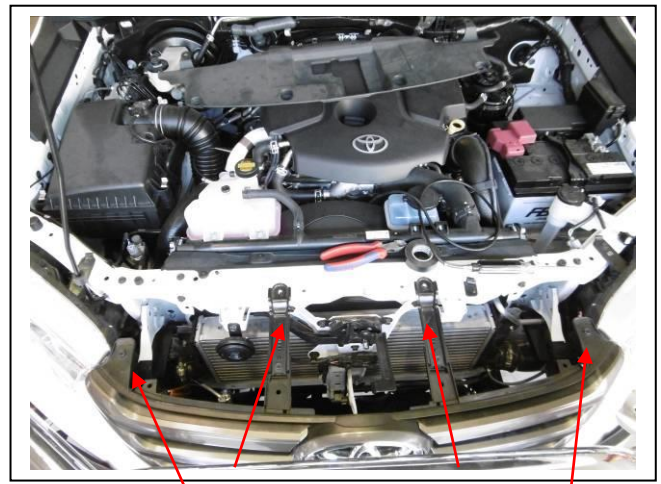


Figure 2



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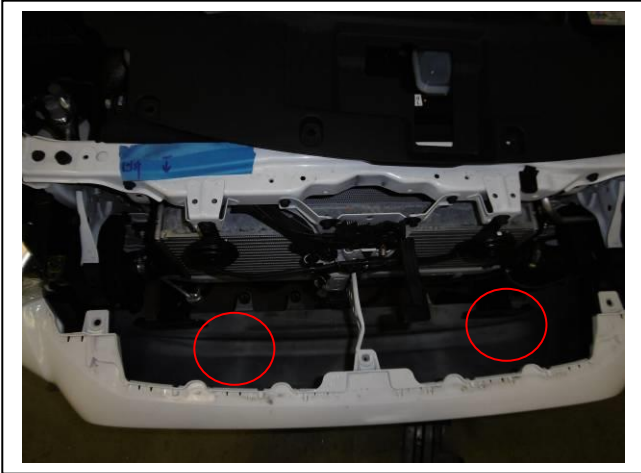


Figure 3

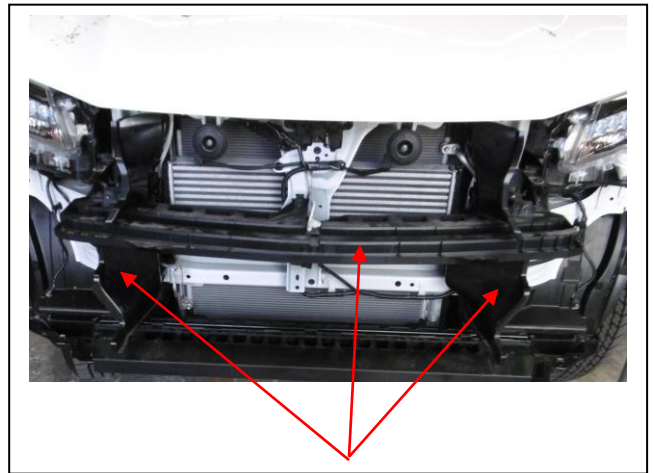


Figure 4.



Figure 5. Configuration of components



Figure 6. Trim line for air dam



Figure 7 Steel mount fitted



Figure 8 Bumper cut



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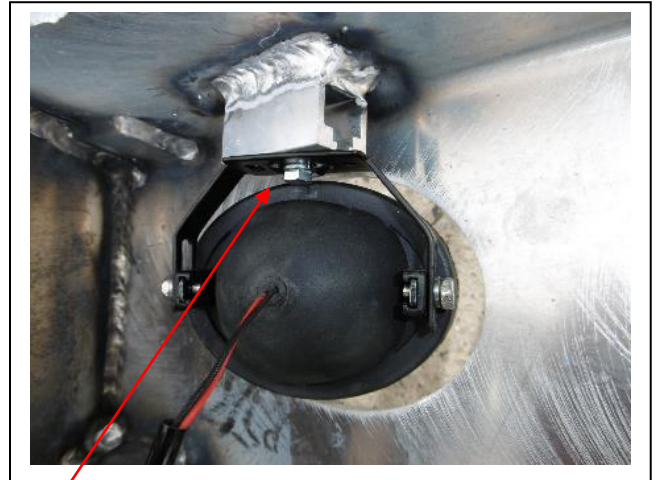
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Figure 9.



M6 bolt

Figure 10



Figure 11.

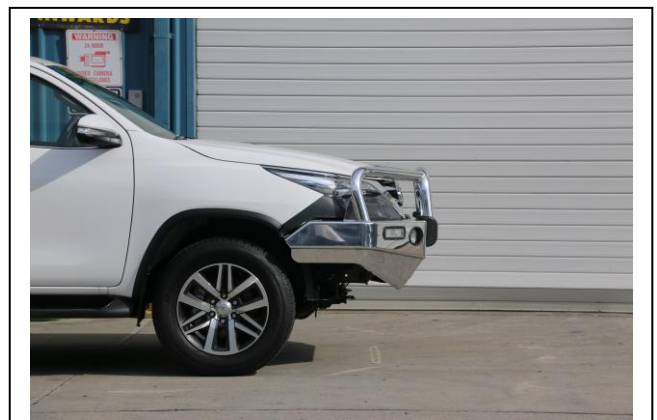


Figure 12.

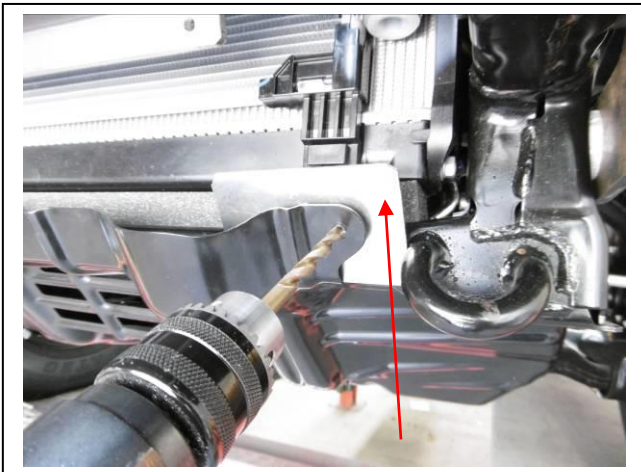


Figure 13. Back stop to protect radiators while drilling

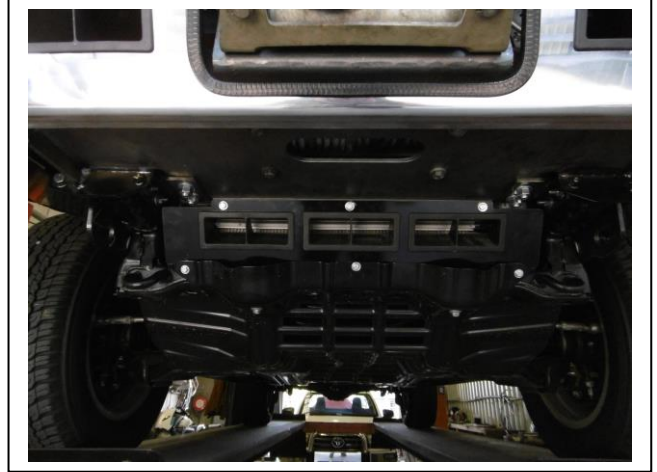


Figure 14. Centre under body guard



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Figure 14. 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.

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
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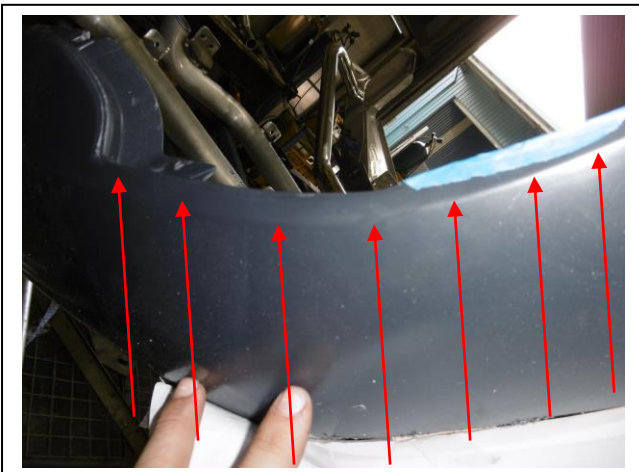
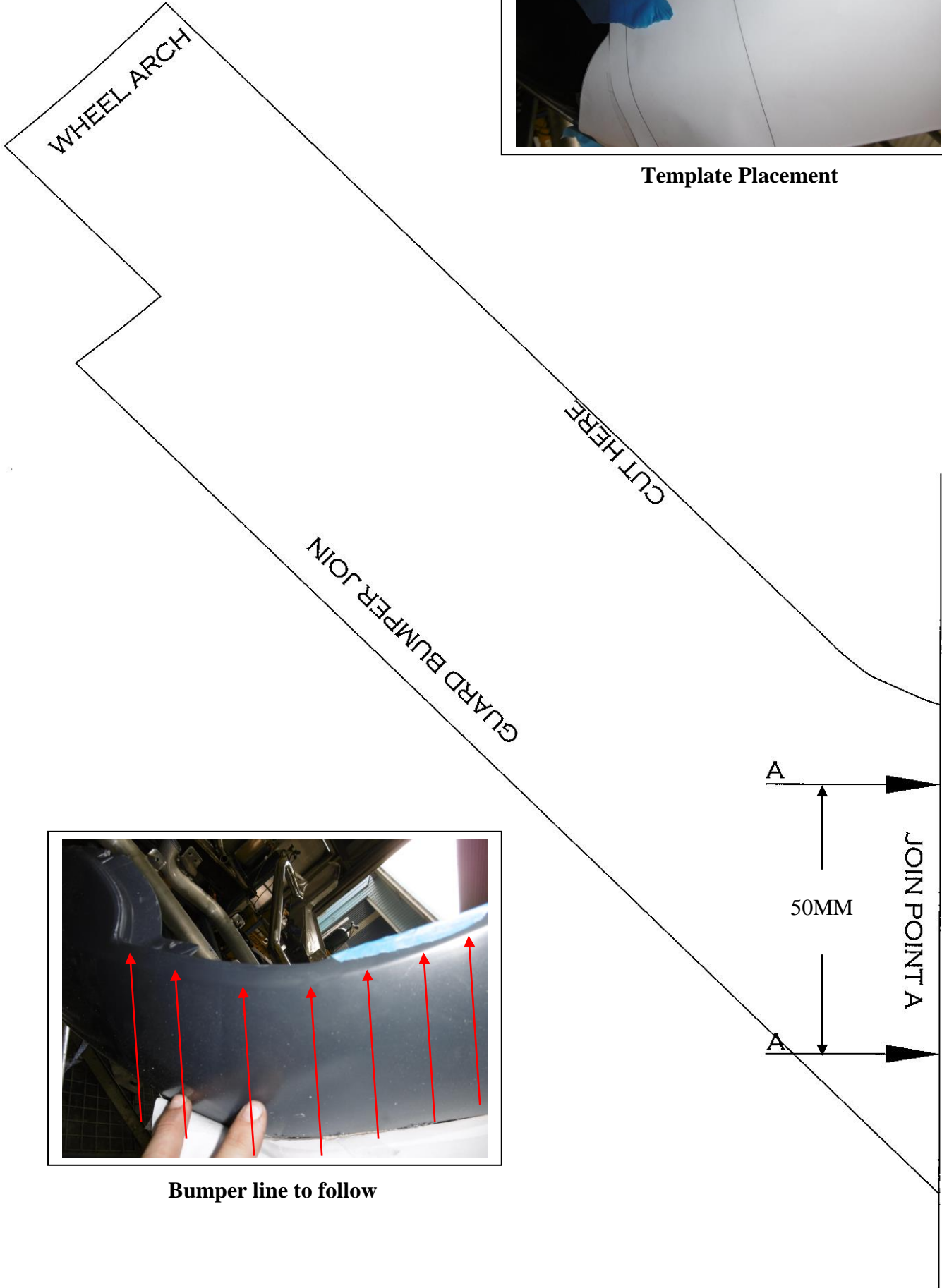
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Template Placement



Bumper line to follow



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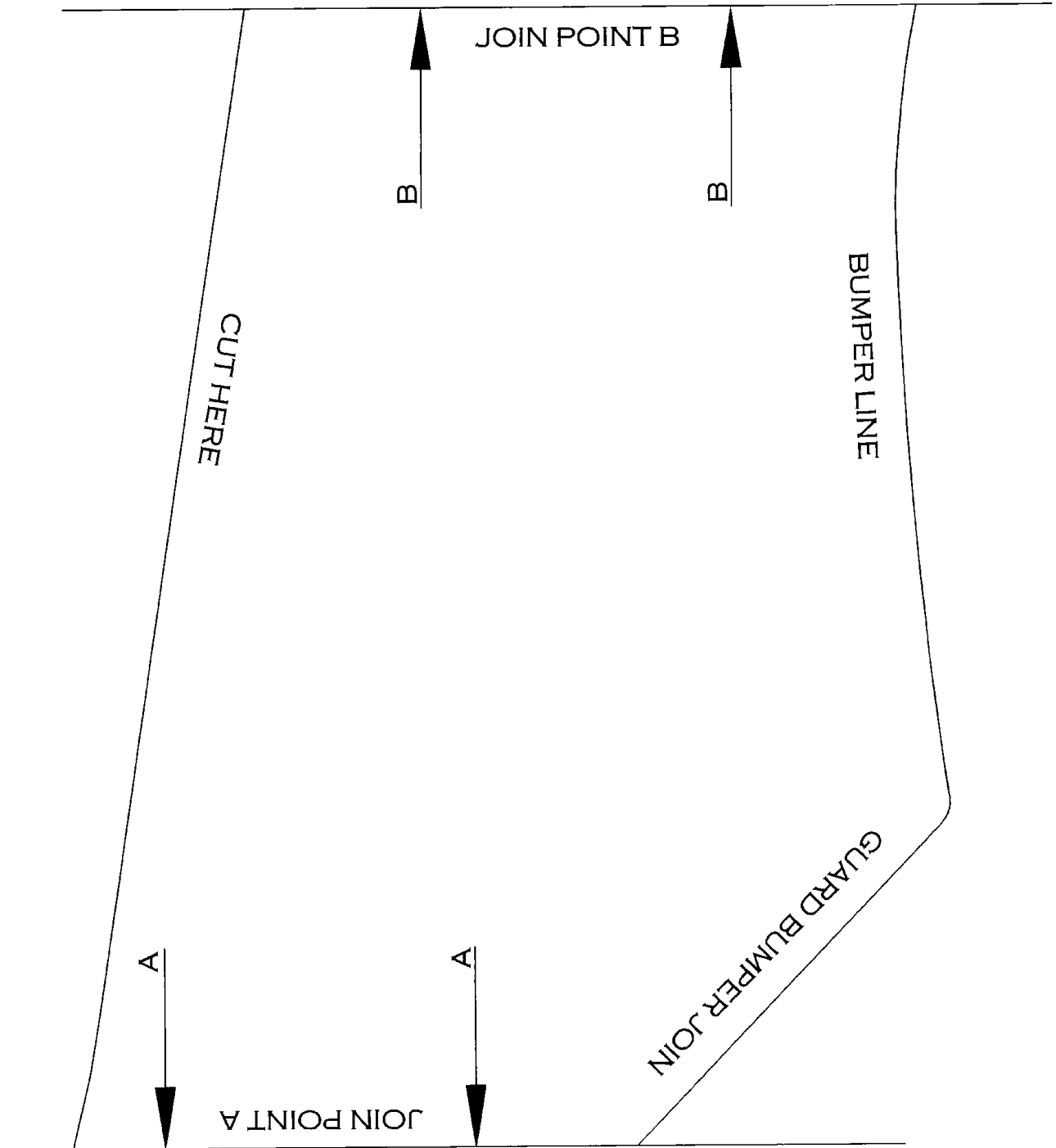
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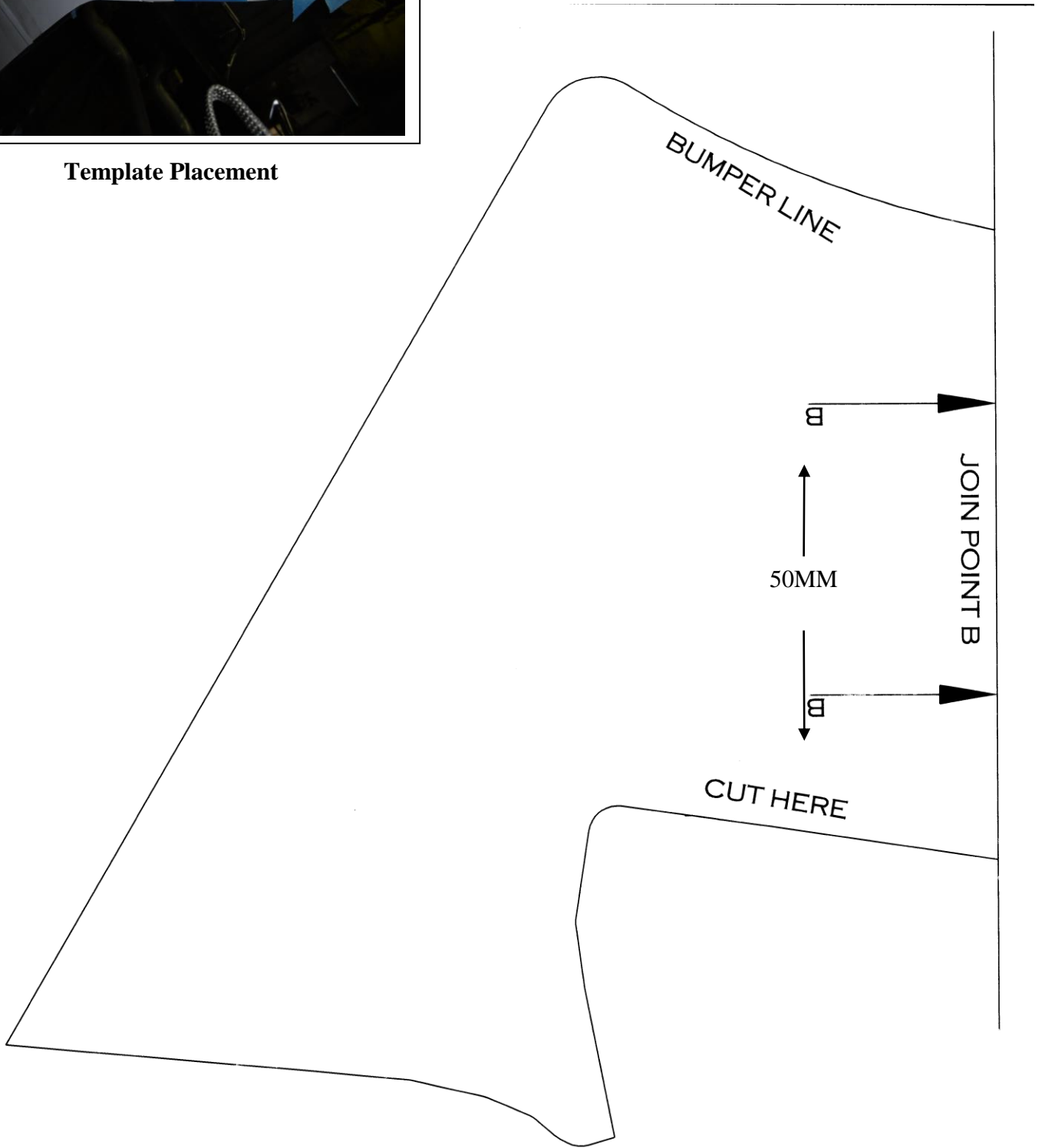
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DESPATCH CHECKLIST EAT231SY

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

- OC.....1 – Winch cradle.
- OC.....2 – Tow hooks
- OC.....1 – Pair steel brackets
- OC.....1 – Pair side under body guards
- OC.....1 – Centre under body guard (small)
- BK.....1 – Bolt Kit.
- BK.....1 – Indicator / park kit /DRL – (ICLED105)
- BK.....1 – Quick click harness (IC15TOFOHIPDH)
- BK.....1 – ECB fog light kit
- BK.....1 – ECB quick click kit (IC10D40S1004ECBH)
- OC.....1 – Pair ECB overrides (fitted to bar)
- OC.....4 – 6mm air scoops (2 fitted to bar, 2 skirt)
- BK.....4 – Fog light surrounds

_____/_____
 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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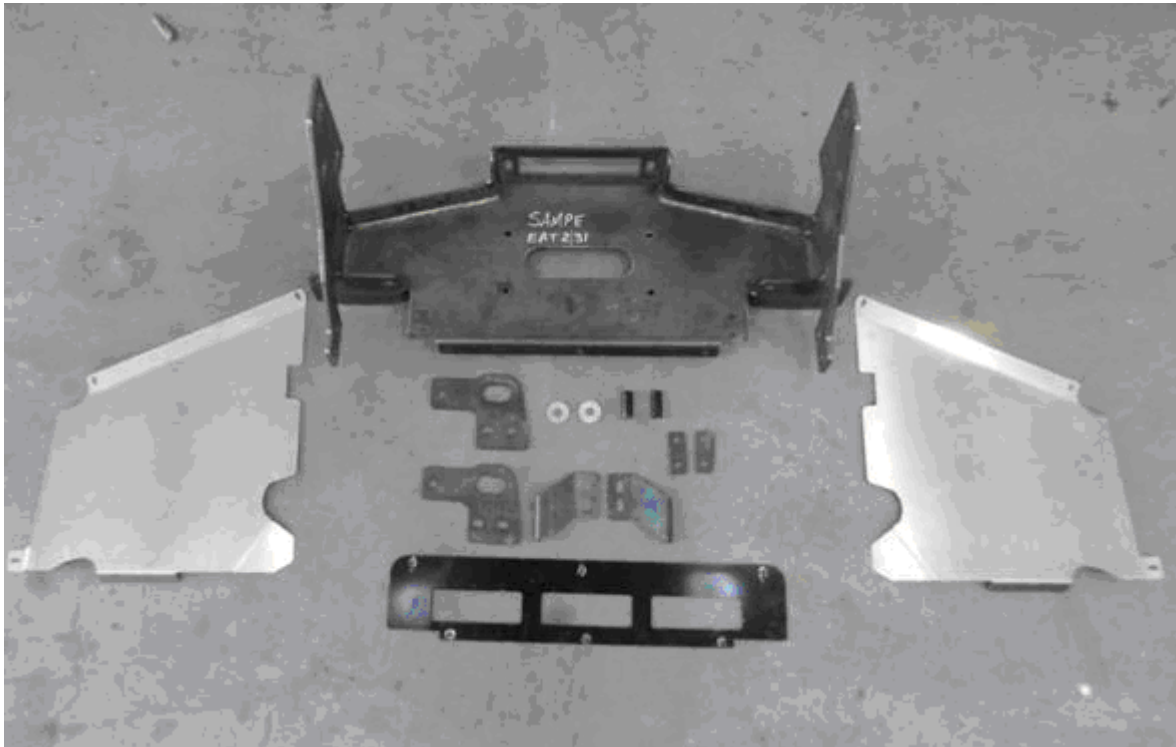
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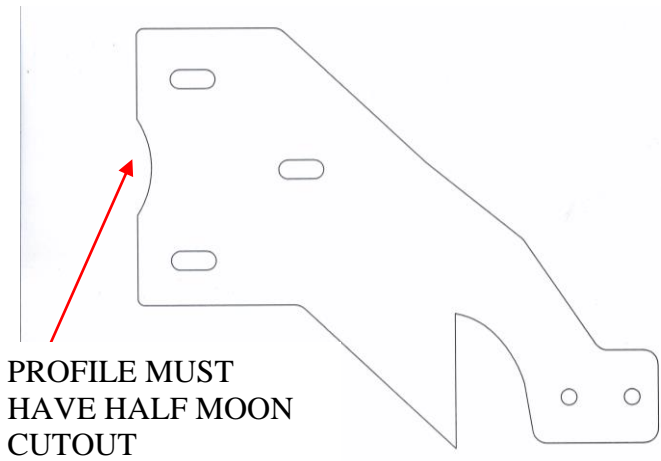
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Wrapper's initials / Checker initials



PROFILE MUST
HAVE HALF MOON
CUTOUT