

EAM109SY

REPLACES: 11.01.19
REVISED: 30.03.21

FITTING INSTRUCTIONS

NX PAJERO MY15 11/14- BIG TUBE™ PROTECTION BAR WITH BUMPER LIGHTS VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Ensure these instructions are left with the vehicle owner and/or operator.

Check installation hardware before commencing.

NOTE: On drivers side of Exceed model, there is a siren box mounted to the outside of the chassis rail. The mounting bolts, although they look like rivets are actually M8 bolts with a break away section for security. To remove these bolts, drill with small drill bit and use an “easy out” to remove threaded section. Or a second method is, with small chisel, place a slit in the outer edge of the rivet section. Use the chisel or a punch to rotate the rivet section anti-clockwise to undo the bolt. Remove from vehicle. **See figures 1 and 2.**

1. Remove grille. Seven plastic clips along top and gently pull up to release three plastic clips under.
2. Remove steel protection guard from vehicle tow bracket area.
3. Remove front of inner guards to allow access to rear of bumper. Two plastic screw clips and one 10mm head bolt (flare to inner guard), three plastic clips (chassis rail) and two plastic clips on lower inner guard (each side).
4. Remove bumper skin. Two plastic clips and two 10mm bolts in lower centre where steel protection guard removed, two plastic clips under number plate mounts, one 10mm head self tapper (each side) at top side bumper returns (access under flare), six plastic clips along top centre (where grille removed to access), and two 10mm head bolts under ends of bumper to lower bumper support. Gently ease flare away from vehicle until clips release, taking care not to damage flare. **See figure 3.** Carefully pull top edge of bar down to release from positioning lug (10mm head bolt retaining clip at top side bumper returns) and pull out away from guard to release plastic clips. Do not discard any clips or bolts.
5. Using hole-marking template, mark where rear steel mounting bracket is to be drilled on inside of chassis rail. Line up template with inside bottom of tow bracket on vehicle chassis and mark hole, **see figure 4.**
6. Centre punch mark and drill 10mm hole through inside edge of chassis only. Treat exposed steel. **See figure 4.**
7. **On Exceed model only:** Remove siren box from outer chassis rail on drivers side of vehicle.
8. Place outer chassis washer plate into position, flat on outside of chassis rail. **See figure 5.** On drivers side, align M8 holes. Lower hole should match position of hole previously drilled on other side of chassis rail. Centre punch mark and drill 10mm hole. Using a die grinder or similar, enlarge top and bottom holes only to allow fitment of chassis spacer tubes. **See figure 6. Note: Blow filings clear and treat all exposed metal with paint or a rust inhibitor.**
9. Install outer chassis plates and chassis spacers into pre drilled holes using 3/8 x 6 bolt, spring washer and flat washer. Note: top inner holes not yet drilled. This hole drilled in step 11.
10. Attach steel mounting bracket to 3/8 x 6 bolt. Align in centre of slot hole on mount. Hold in position with front plate on steel mounting bracket approximately 5mm off crash can. **TIGHTEN NUT FIRM ONLY.**

11. Using 10mm hole in steel mounting bracket as a guide. Drill 10mm hole in lower cross member and top inner chassis. Treat exposed metal. Use $\frac{3}{8}$ x 1 $\frac{1}{4}$ bolt and 3/8 x 6 bolt respectively, flat washers, spring washers and nut (supplied). Note: 3/8 flat washers may need to be used to space front chassis bolt.
12. Repeat for other side, ensuring mounts are aligned in same position and inner measurement of mounts matches outer measurement on protection bar.
13. **On Exceed model:** Refit siren box to outside of drivers chassis using M8 x 30 bolts, spring washers and flat washers. On rear hole, install 40mm alloy washer between siren box and chassis rail.
14. Cut template (supplied) from page using a sharp knife or scissors. Align bumper template to chrome edge and lower wrap under section of bumper, mark chrome sections on outside of lower grille. Cut through inner and outer sections to allow protrusion of ECB steel mounting brackets. **See figure 7.**
15. 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. Using connectors supplied, wire DRL section of harness to existing harness on vehicle. Test wiring with light attached. Seal connectors with butyl tape supplied in harness kit.
16. Connect ECB Quick Click bumper light wiring harness (supplied) into original wiring harness.
17. Remove fog light from bumper cover.
18. Trim lower sections from front bumper cover. **See figure 8.** Trim line is across bottom where flare meets bumper, from front corner of flare to top corner where original equipment under body guard fits.
19. Refit original bumper assembly and grille to vehicle as per reverse of steps 1-6. Feed wiring harnesses through fog light blank holes to assist in later connection.
20. Fit ECB LED indicator / park lights (supplied) into protection bar as per instructions supplied with the LED indicator kit. **See figure 9.**
21. Attach ECB bumper light bracket only 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. **FINGER TIGHTEN ONLY. See figure 10.**
22. Fit 6mm clip lock trim to rear of protection bar. **NOTE:** Trim off lower edge on an angle so trim will sit flush with end of protection bar. **See figures 11, 12 and 13.**
23. Attach protection bar to outside of steel mounting brackets. Use six $\frac{1}{2}$ x 1 $\frac{1}{2}$ bolts washers spring washer and nut (supplied). **DO NOT TIGHTEN.**
24. **ALIGN PROTECTION BAR WITH VEHICLE. See figures 14 and 15.**
25. **TIGHTEN ALL BOLTS**
26. Install ECB bumper lights into mounting brackets. **TIGHTEN FIRM ONLY.**
27. Connect and check operation of ECB indicator/ DRL / park lights. Adjust headlight washers if required.
28. Reattach steel protection guard to vehicle.
29. Remove attachment clip from lower bolt in bumper (for inner guards) and attach to ECB under bodyguards. Attach ECB under bodyguards to rear edge of ECB Protection Bar using three M6 x 20 bolts, flat washers and

nyloc nuts (supplied) (per side). Finger tighten only. Attach rear of under bodyguard and inner guards to body of vehicle where lower bar mount brackets were removed using M6 x 25 bolts, spring washers and flat washers. Holes will need to be drilled in inner guard to allow fitment. Fit flare, plastic bumper cover and inner guard to ECB under bodyguard on outer corner. **Tighten all bolts. See figure 16**

30. Fit 6mm clip lock trim to air vent cut outs in front of protection bar. Start at top centre and feed into corners. Trim off end slightly longer than needed and force in at top to create a neat finish. **See figure 17.**
NOTE: Ensure ends are cut square.
31. Fit 6mm clip lock trims to vents in skirt. When fitting trim on angle to suit hole and leave the trim slightly longer than required for hole, to allow a snug fit. **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:

- Do not attach VFPS to the vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts).
- Do not use this product for any vehicle make or model, other than those specified by the VFPS manufacturer.
- Do not remove the plaque or label from the VFPS.
- Do not modify the structure of the VFPS in any way.
- No accessory or fitment should project forward of the VFPS forward profile.
- 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 – Pair Steel mounting brackets.	3 – M8 flat washers
1 – Pair Under body guards	8 – M6 x 20 bolts
2 – 6mm steel outer chassis plates	4 – M6 x 25 bolts
4 – 78mm long 10 Nb chassis tube spacers.	16 – M6 flat washers.
1 – 40 x 11 x 6 round alloy washer plates.	6 – M6 spring washers
8 – 3/8 x 1 1/2 x 16 flat washers.	6 – M6 nyloc nuts
4 – 3/8 x 6 bolts	2 – M6 nuts
2 – 3/8 x 1 1/4 bolts	1 – ECB LED Indicator / DRL / Park light kit. (ICLED105ECB)
20 – 3/8 flat washers.	1 – Quick Click Indi / Park kit (IC14MIPAHIPD)
6 – 3/8 spring washers.	1 – ECB bumper light kit
6 – 3/8 nuts.	1 – Quick Click bumper kit (IC10D40S1004ECBH)
6 – 1/2 x 1 1/2 bolts.	2 – Bumper light surrounds
12 – 1/2 flat washers.	1 – 2100mm length 6mm clip lock trim
6 – 1/2 spring washers.	2 – 600mm length 6mm clip lock trim
6 – 1/2 nuts.	2 – 450mm length 6mm clip lock trim
3 – M8 x 30 bolts	
3 – M8 spring washers	

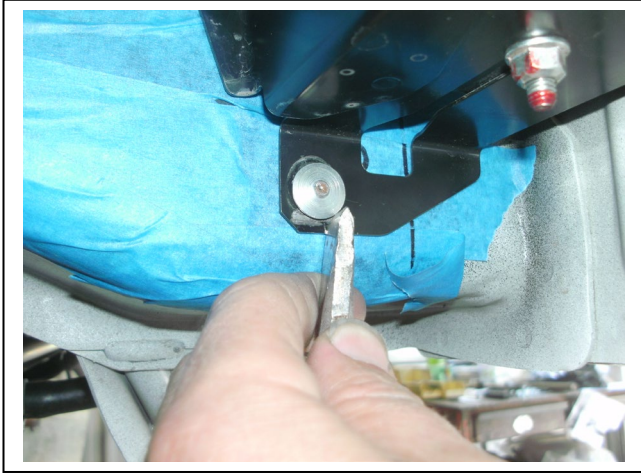


Figure 1: Using chisel to place cut in edge of security bolt.



Figure 2: View of security bolt when removed from vehicle.



Figure 3



Figure 4

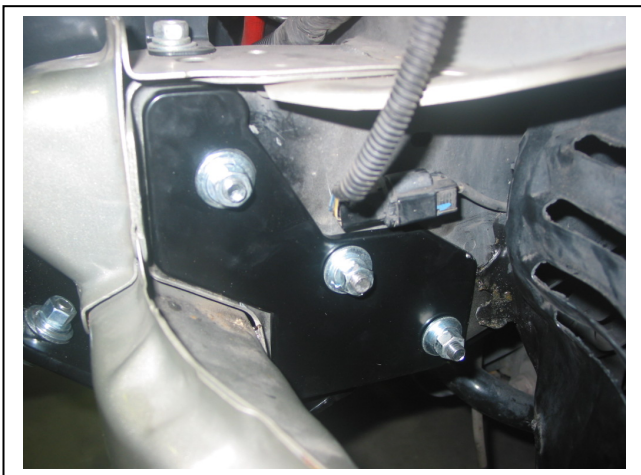


Figure 5: Placement of outer chassis washer

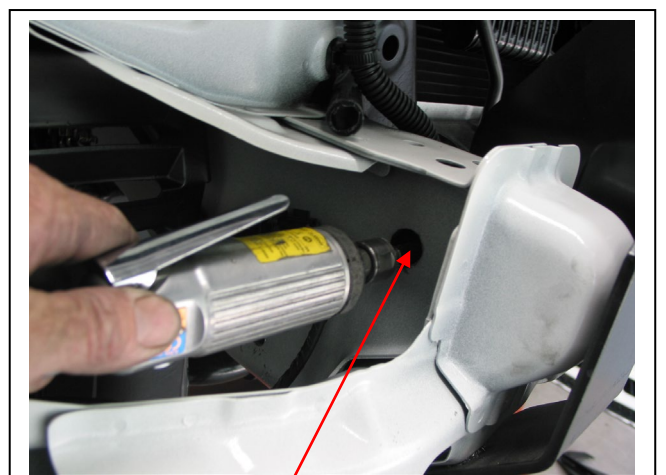


Figure 6 Enlarging outer chassis hole to 17mm for chassis spacer

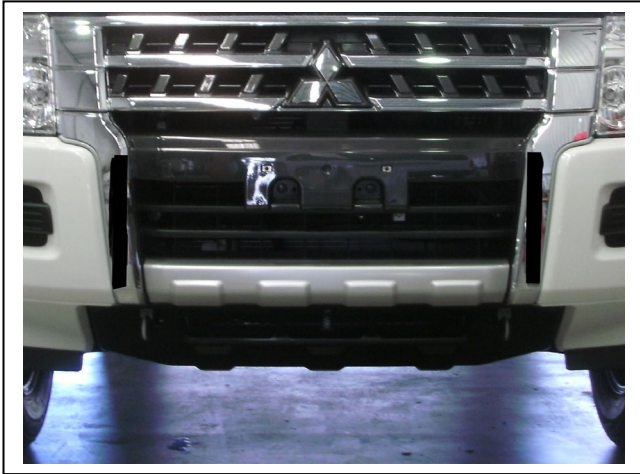


Figure 7: Trim grille opening to allow for mount protrusion



Figure 8: Cut line from flare to inner corner of plastic bumper cover.

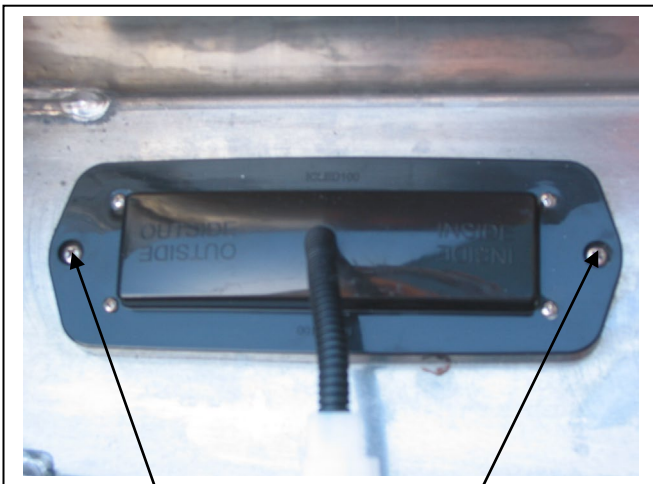
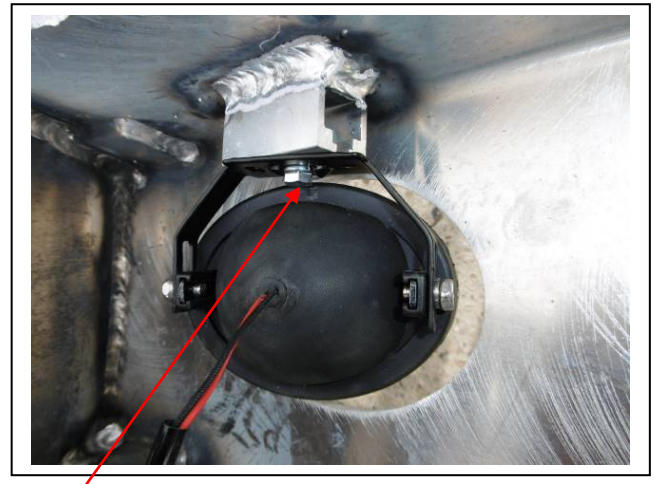


Figure 9
 Stainless steel self-tappers



M6 bolt **Figure 10**

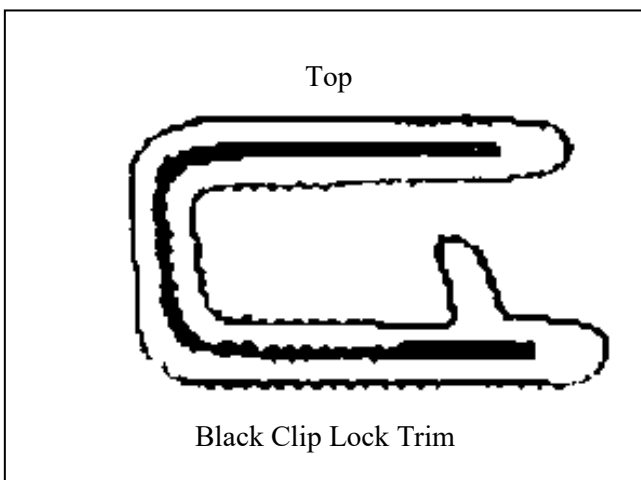


Figure 11

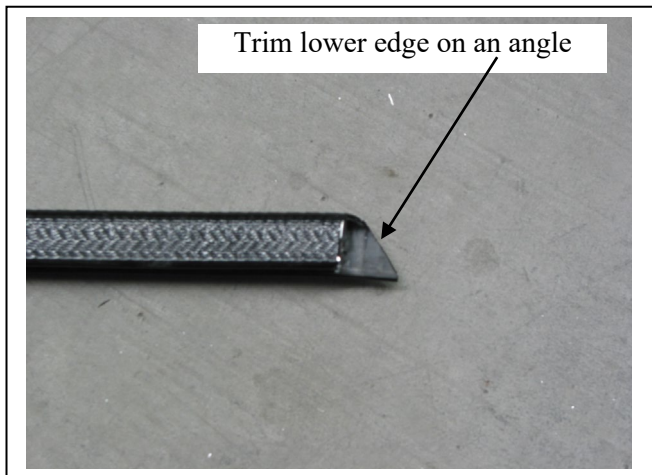


Figure 12

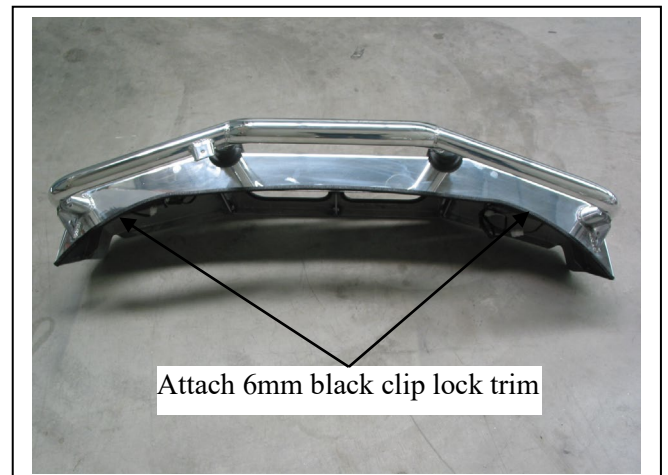


Figure 13



Figure 14: Front view shown



Figure 15: Side view shown



Figure 16: Under bodyguard fitted.



Figure 17



Figure 18



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P: 07 3897 5700
F: 07 3811 6480
E: info@ecb.com.au
W: ecb.com.au
W: customalloy.com.au



Thank you for purchasing an ECB Product

Please ensure that you read the below and complete the warranty registration.

Vehicle Owner / Operator Responsibilities and Product Care

Important Information

It is the responsibility of the vehicle owner and operator to ensure all nuts and bolts are checked periodically, especially when travelling on corrugated roads. Please ensure these are tightened as per the steps in the provided fitting instructions.

While ECB products are manufactured from high tensile alloy the vehicle owner / operator must check any steel mounting brackets or steel auxiliary parts for signs of corrosion. If you find any corrosion, please contact ECB Pty Ltd to discuss an appropriate solution – 1800 069 145 or www.ecb.com.au.

Product Care

Polished Products

Being a premium mirror polished finish, regular maintenance will be required to keep that iconic ECB shine. We recommend using our own brand of Aluminium Polish. This formula has been tried and tested and in our opinion is the world's best standard.

Directions: Apply a small quantity of Aluminium Polish to a clean soft cloth and rub the metal surface. The longer the rubbing the brighter the surface becomes. Wipe off Aluminium Polish with clean soft cloth. Also suitable for motorised buffing machines. Note: There are more specific details on the polish bottle. Please read before use.

Powder Coated Products

Our powder coated finishes are very low maintenance. In fact, there is actually very little you will ever need to do for this product. Just clean it as you would your car and it will stay looking good as new.

ECB Aluminium Polish

When you're looking for that showroom finish look for your polished automotive products, you can depend on the no compromise quality of East Coast Bullbars Aluminium Polish. This specifically designed product is the best polish available and we guarantee that this \$#!+ works. Within our decades of manufacturing polished alloy products, we have trialled a large range of different polishes on the market and believe without a doubt that nothing beats the finish quality of East Coast Bullbars Aluminium Polish.

East Coast Bullbars Aluminium Polish is excellent for use by hand and is ideal for polished bullbars, nudge bar and stainless-steel products. This polish will clean, polish and protect your product from the elements whilst bringing your products back to that showroom finish look.





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Warranty Registration

Please Register your purchase online www.ecb.com.au/warranty-registration
If you have any questions, please contact our national office on 1800 069 145 or www.ecb.com.au

Or post the below information back to ECB, PO Box 122, Margate, QLD 4019.

Contact Details

Name:	
Address:	
Email:	
Phone:	

Purchase Details

Purchased from:	
Date of Purchase:	

Product Details

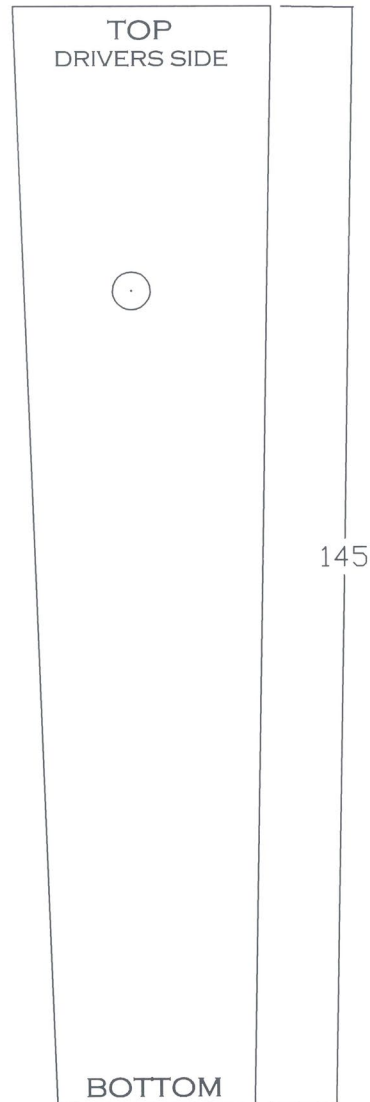
(You can find this information on the silver label of your ECB Product)

Part Number:	
Work Order Number:	

By submitting this registration, you automatically subscribe to ECB's mail outs. You can unsubscribe at any time.

HOLE MARKING TEMPLATE

Cut out and line up
top with bottom of
tow bracket.



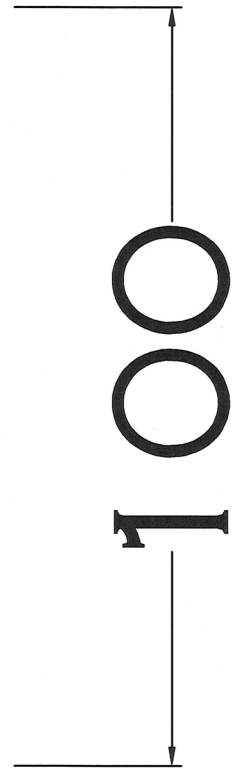
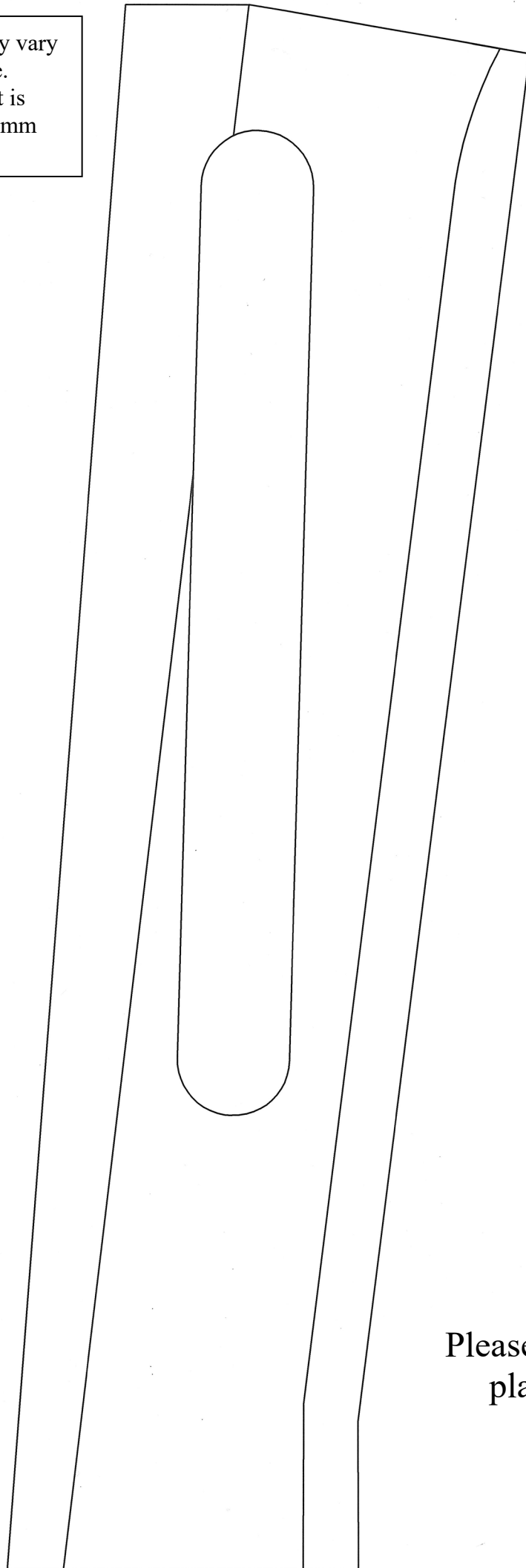


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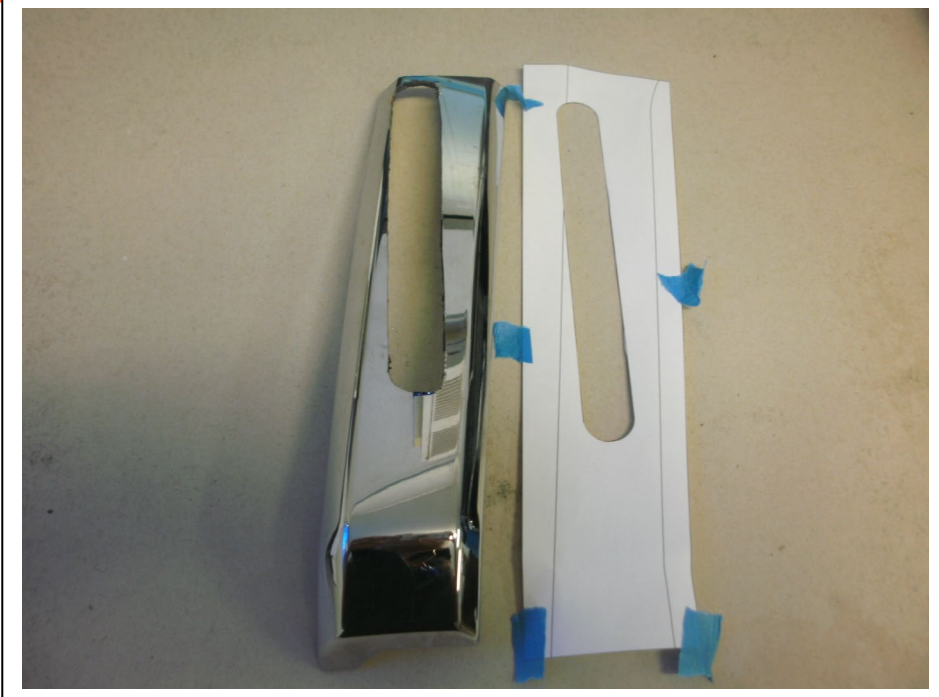
Please see next page for placement picture



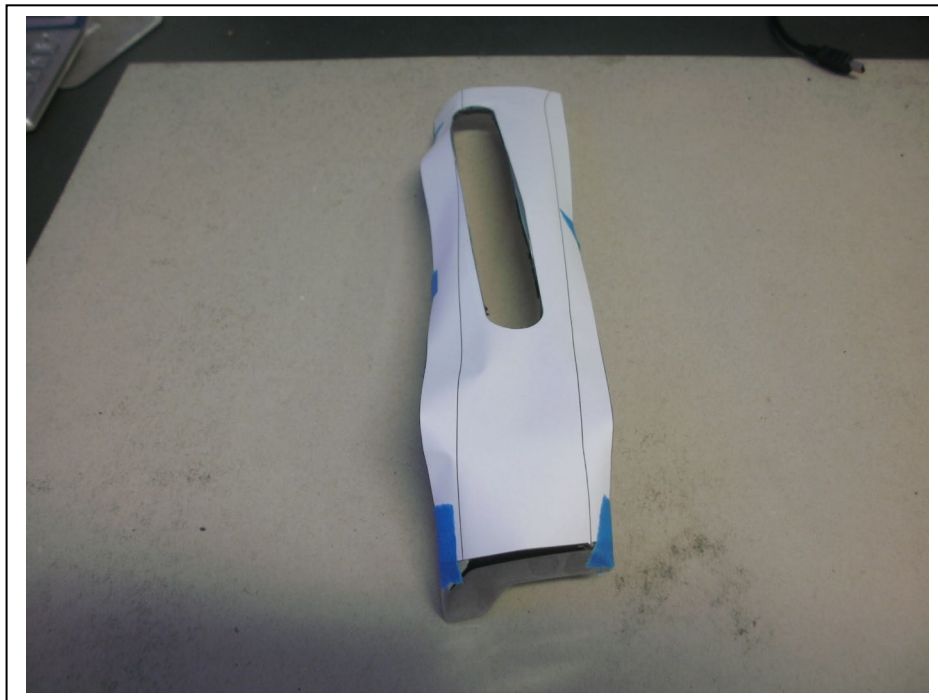
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Passenger side trim and template side by side. **NOTE:** This chrome trim has been cut to be used as a sample for the winch bar. Hole in trim only is cut for ECB Arc Bar.



Passenger side trim with template overlaid.



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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.

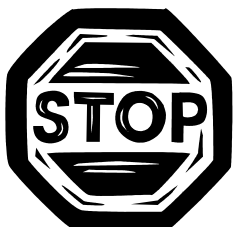
Post to
 Reply Paid 122
 PO Box 122
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Email To
 info@ecb.com.au

DESPATCH CHECKLIST EAM109SY

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

- OC.....1 – Pair steel mounting brackets.
- OC.....1 – Pair Alloy under body guard.
- OC.....2 – Steel outer chassis plates
- BK.....1 – Bolt Kit.
- BK.....1 – ECB LED Indicator /DRL / Park lights kit. (ICLED105ECB)
- BK.....1 – Quick Click Indi / Park kit (IC14MIPAHIPD)
- BK.....1 – Bumper light kit (ICLED2020BL)
- BK.....1 – Quick Click bumper harness (IC10D40S1004ECBH)
- BK.....1 – 2100mm length 6mm clip lock.
- BK.....2 – 600mm lengths 6mm clip lock.
- BK.....2 – 450mm lengths 6mm clip lock.
- OC.....2 – ECB overrides – **Fitted to bar.**



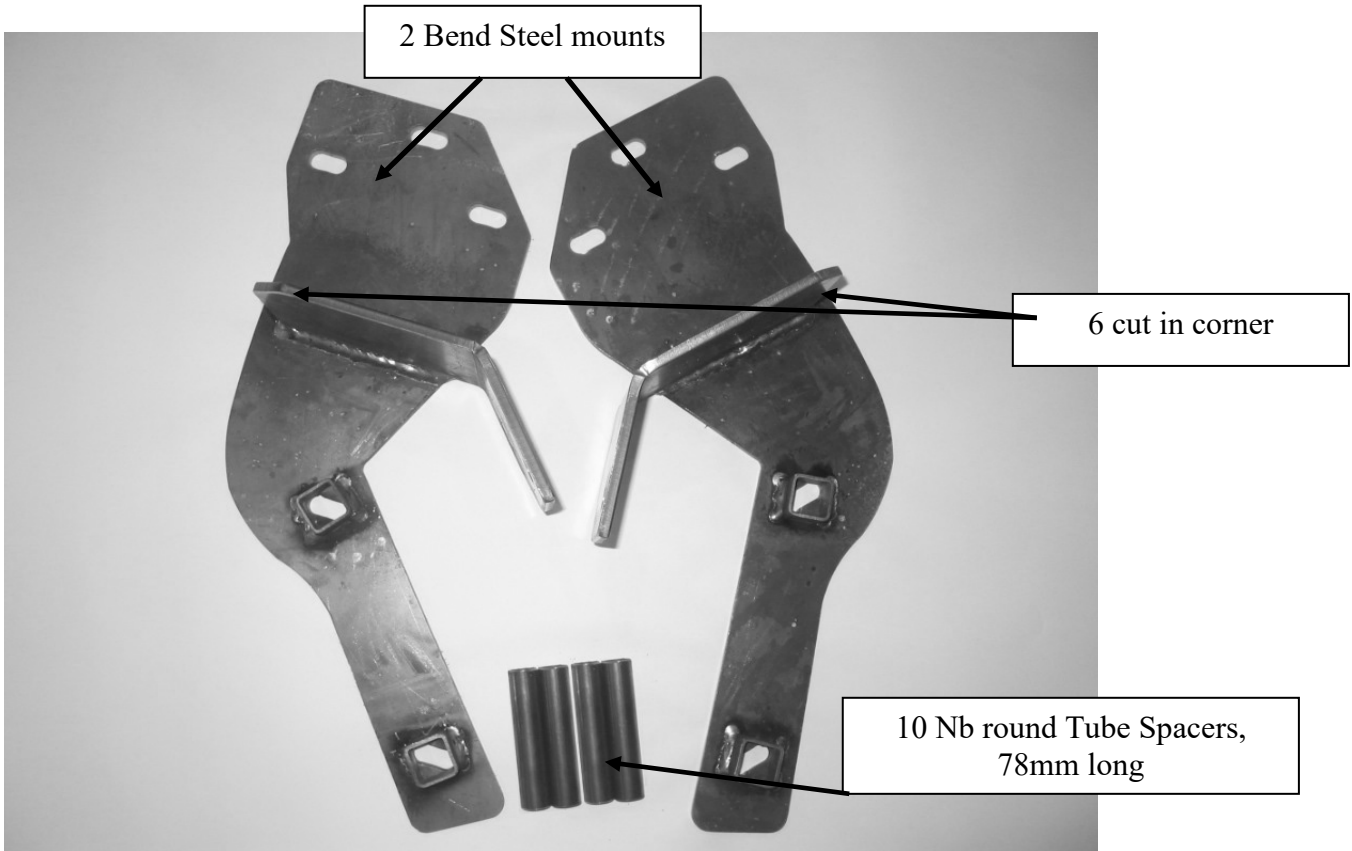
Is this product “the best it can be” Yes _____ / _____
Wrapper’s initials / Checker initials
 If **NO** fix before continuing

All parts checked and completed by:

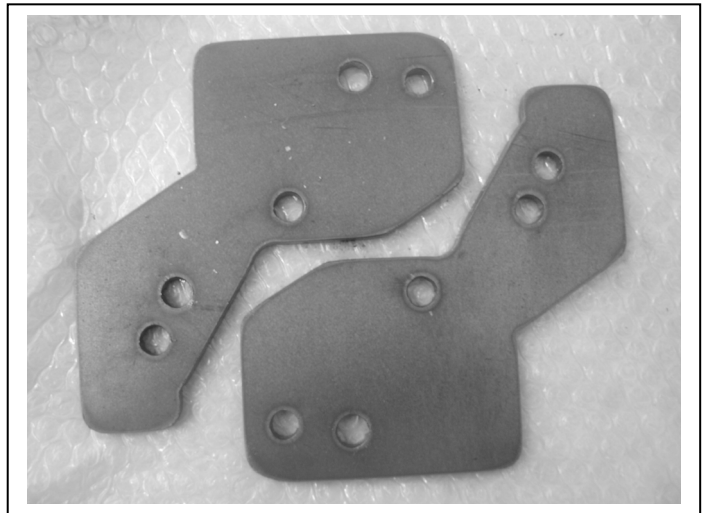
Nut and bolts: _____ Date ___ / ___ / ___

Order control: _____ Date ___ / ___ / ___

Final wrap check: _____ Date ___ / ___ / ___



Under Body Guards



Outer Chassis Plates