



**WORLD'S BEST
ALLOY BULLBARS**

East Coast Bullbars (ECB Pty Ltd)

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BJ100SY

REPLACES: 00.00.00

REVISED: 24.01.18

FITTING INSTRUCTIONS

JEEP WRANGLER JK 08 on BIG TUBE PROTECTION BAR (WITH FOG LIGHTS) VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

Special Tools: T15 Torx bit and required drivers.

1. Lift Bonnet
2. Remove underside plastic guard, four PK plastic clips from underside of bumper and two PK plastic clips from rear. **See figure 1 and 2.**
3. Remove lower screw from fog light cover on rear of bumper. **See figure 3.** Disconnect fog lights.
4. Remove wiring from rear of bumper. Allow to hang.
5. From underside rear of bumper remove eight 19mm nuts (two from each side of chassis rail (per side)). **See figure 4 and 5.** This unbolts the tow hook, horn and plastic bumper with metal cross beam as one piece. Remove horn.
6. From plastic infill under grille, remove two PK plastic clips. **See figure 6.**
7. Remove front bumper.
8. Remove grille, six push pull plastic clips across top. Gently pull bottom of grille out to remove. Disconnect indicators.
9. Remove headlights. Four T15 Torx head screws.
10. Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.
11. Splice ECB fog light harness into fog light wiring harness using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.
12. Attach standard wiring harness to underside of lower grille support. Fit to original 6mm holes in cross tube using original clips on harness. **See figure 7.**
13. Using 300mm of twin core wire (supplied), extend horn wiring out to allow fitment of horn into rear of channel.
14. Install winch fairlead onto ECB winch frame using two M10 x 1.5 x 35 bolts, flat washers, spring washers and nuts. **Finger tighten only.**
15. Install winch onto ECB winch frame with rope pushed through fairlead rollers using bolts supplied by winch manufacturer. Tighten all winch bolts only. Do not tighten fairlead rollers at this stage. Wire winch according to manufacturers instructions.



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16. Install control box mount (supplied) to rear of control box using bolts / nuts supplied with winch. **See figure 8 and 9. Note:** The control box bracket supplied with this bar is designed to suit Warn style fitment. The Mean Mother control box mount is included with the Mean Mother winch and is attached to the rear of the ECB winch frame as per the fitment of the Warn style control box mount. Wire winch as per manufacturers instructions.
17. Fit ECB winch frame to front of vehicle. A stand under the front of the winch frame is recommended. Install ECB steel bar mounts in front of the winch frame, with bar mounting section to outside of vehicle using four M12 x 1.75 x 40 bolts, flat washers, spring washers and nuts(per side). **See figure 10.** Finger tighten only.
18. Install 3/8 x 1 ¼ bolts, spring washers, flat washers and nuts and washers on 300mm wire into rear holes of steel bar mount. Back of holes accessible with nuts from front of chassis rail. **See figure 11.** Finger tighten only.
19. Install 3/8 x 1 ½ bolts, spring washers, flat washers and nuts and washers on 300mm wire into top side holes and M12 x 1.75 x 40 bolts, spring washers and nuts and washers on 300mm wire for lower side holes. Rear of holes accessible from lower outer corner of cross beam mount. **See figure 12.** Finger tighten only.
20. Using inside to inside measurement of alloy protection bar, align outside to outside of steel bar mounts to suit. Ensure mounts are centralised to body of vehicle. Tighten all bolts.
21. Mount control box bracket to rear of winch frame using two M6 x 25 bolts, flat washers, spring washers and nyloc nuts. Wire winch to battery and zip tie cables into position. Ensure wiring is clear of sharp edges and moving parts. Test to ensure winch works as per manufacturers specifications.
22. 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.**
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 14.**
24. 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 15, 16 and 17.**
25. Attach 6mm clip lock trim (supplied) to winch opening. **NOTE:** Trim end square and start in lower centre to hide the join under fairlead roller of protection bar. **See figures 18.**
26. **Is Customer going to fit optional Guard infills? If so please see instructions contained in Infill packaging before continuing to next step.**
27. Install ECB protection bar to ECB steel mounts using six M12 x 1.75 x 40 bolts, flat washers, spring washers and nuts. Fairlead rollers pass through front of channel. Align ECB protection bar with vehicle. Tighten bolts securing Protection Bar. **See figures 19 and 20**
28. Align fairlead rollers to centre of protection bar opening. Tighten all bolts.
29. Connect ECB protection bar lights and test for correct operation. Ensure all wiring is neat and attached so as not to be damaged.
30. Install 6mm bubble clip lock trim onto under body guards. On drivers side under body guard, fit horn to nutsert side of under body guard. **See figure 21.** Install under body guards onto top of lower leg of



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channel with bubble clip lock to top, wiring horn as fitting, using two M6 x 25 bolts, spring washers and flat washers (per side). **See figure 22.**

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.**

IMPORTANT INFORMATION

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

FITTING KIT

1 – ECB steel winch mount	6 – M6 x 25 bolts
1 – Pair ECB steel bar mounts	2 – M6 x 20 bolts
1 – BJ100SY control box mount (In Kit)	10 – M6 flats washers
16 – M12 x 1.75 x 40 bolts	4 – M6 spring washers
30 – M12 flat washers	2 – M6 nyloc nuts
16 – M12 spring washers	2 – M6 nuts
14 – M12 x 1.75 nuts	1 – 300mm twin core sheathed wire
2 – M12 x 1.75 nuts on 300mm wire	2 – Male spade connectors
2 – M10 x 1.5 x 35 bolts	2 – Female spade connectors
4 – M10 flat washers	1 – ECB LED Indicator / Park light kit
2 – M10 spring washers	1 – ECB 35 watt fog light kit
2 – M10 x 1.5 nuts	2 – fog light surrounds
2 – 3/8 x 1 ¼ bolts	10 – cable locks
2 – 3/8 x 1 ½ bolts	1 – 1950mm length 6mm clip lock trim
4 – 3/8 flat washers	1 – 1000mm length 6mm clip lock trim
4 – 3/8 spring washers	2 – 450mm length bubble top clip lock trim
4 – 3/8 nut and washer on 300mm wire	10 – 300mm zip ties



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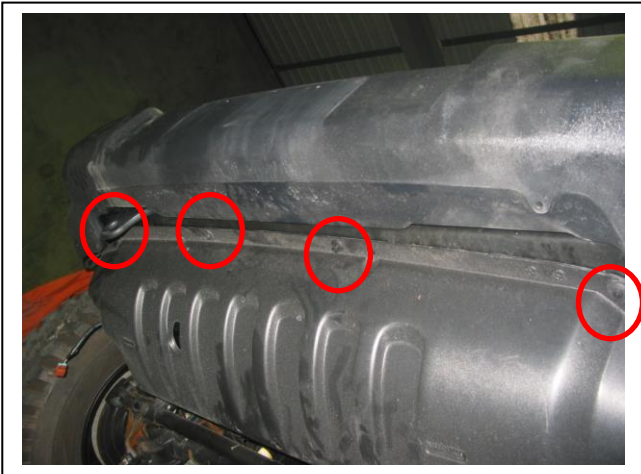


Figure 1: Front of underbody guard showing position of clips

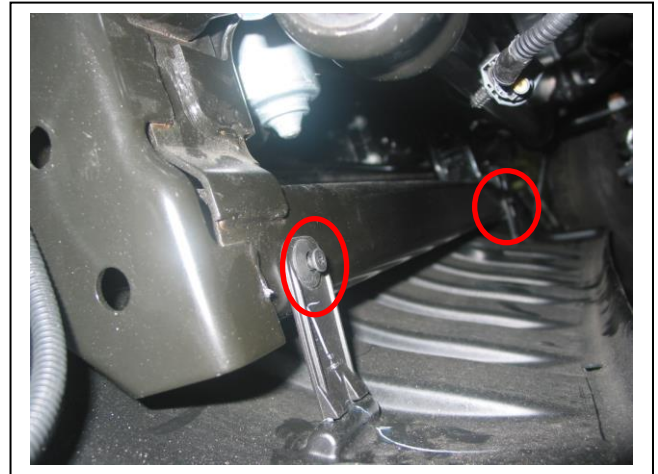


Figure 2: Rear of underbody guard showing position of clips



Figure 3: Remove lower screw to access fog light wiring.



Figure 4: Inner bumper bolts, passengers side

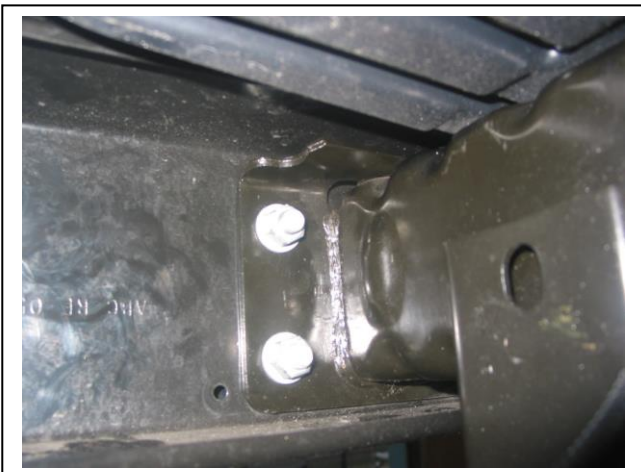


Figure 5: Outer bumper bolts, passengers side shown.



Figure 6: Infill PK plastic clips.



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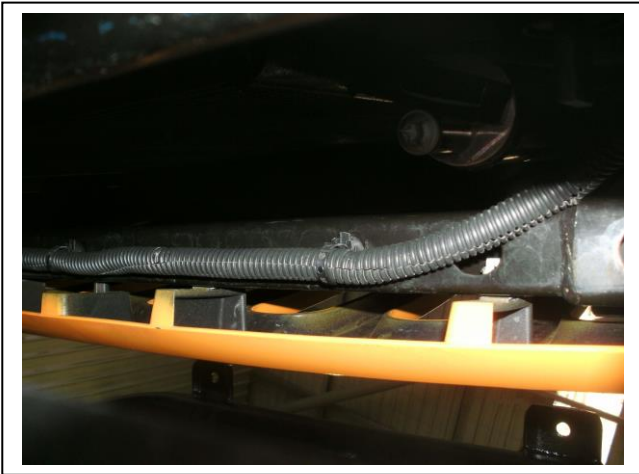


Figure 7: Original harness attached under grille



Figure 8: Warn winch control box mounted. Winch removed for photo.

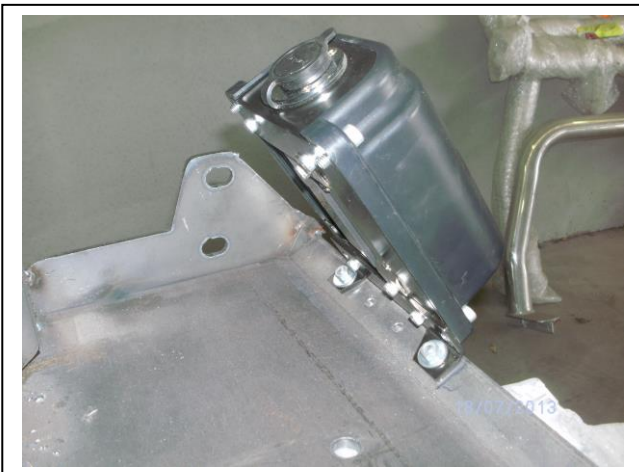


Figure 9: Mean Mother winch control box mounted. Winch removed for photo.

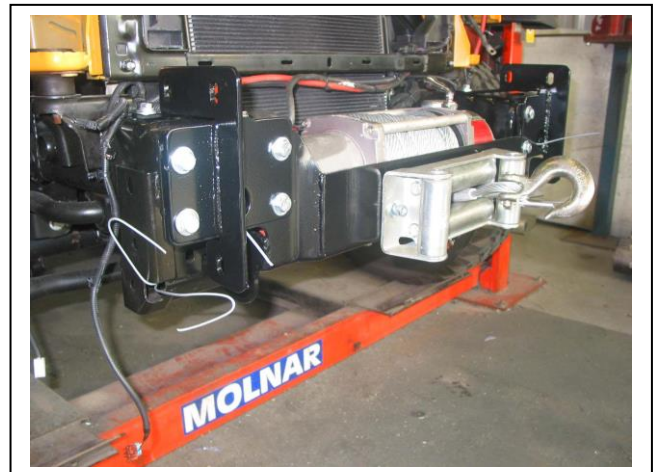


Figure 10: Winch fitted to vehicle. Note direction of ECB bar mounts.



Figure 11: Rear bar mount attachment point



Figure 12: Access point for rear bolts



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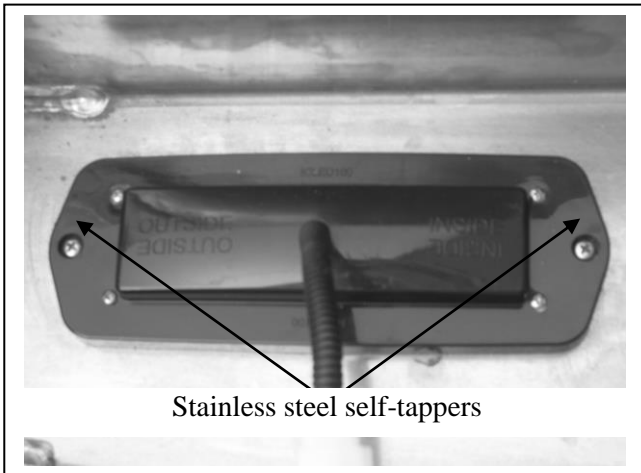
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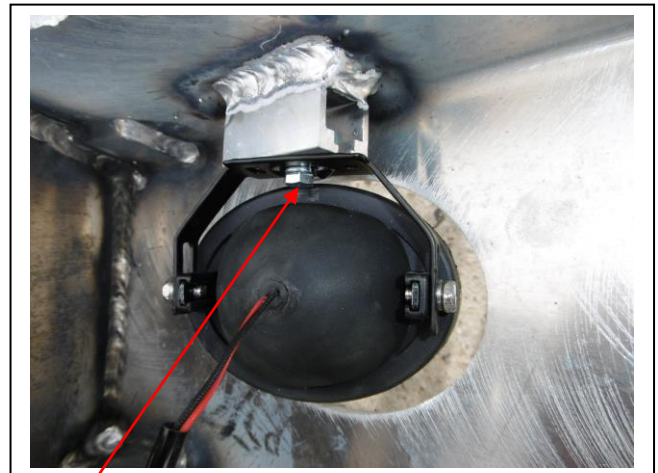
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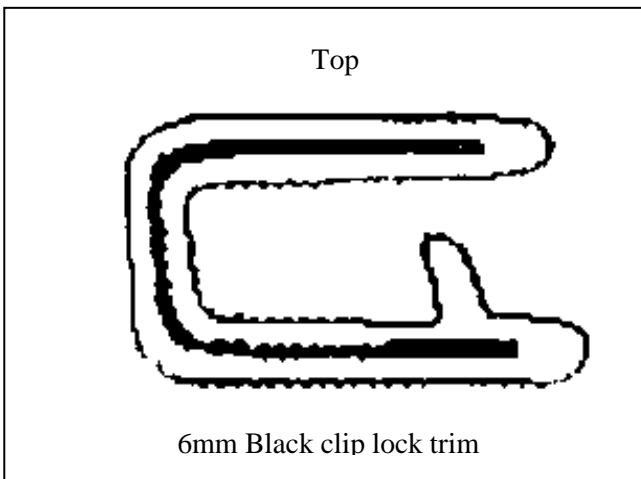
Stainless steel self-tappers

Figure 13



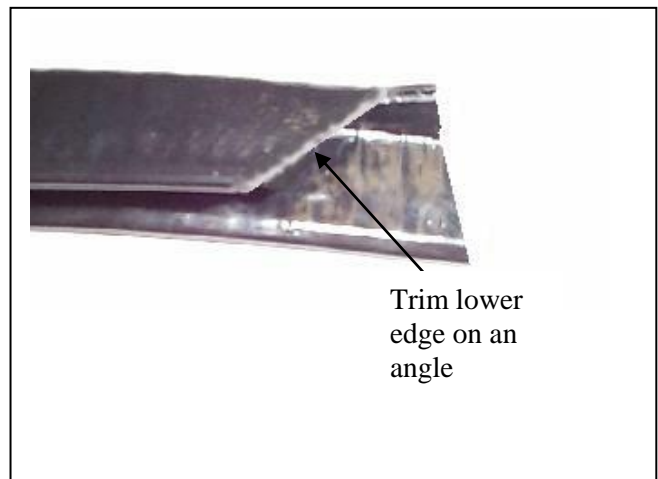
M6 bolt

Figure 14



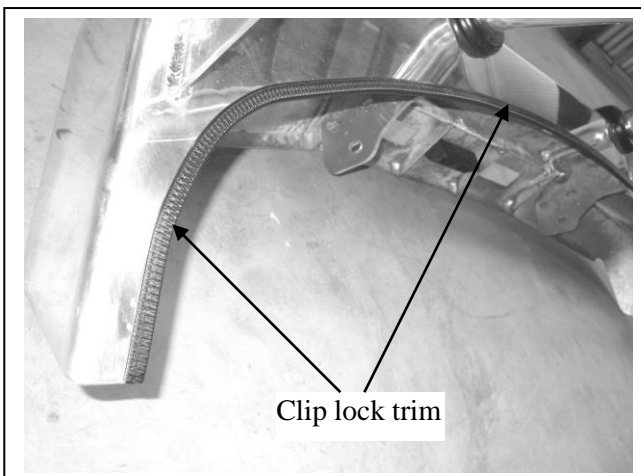
6mm Black clip lock trim

Figure 15



Trim lower edge on an angle

Figure 16



Clip lock trim

Figure 17



Figure 18: winch opening trimmed. Note joint to bottom.



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Figure 19: Front view



Figure 20: Side view

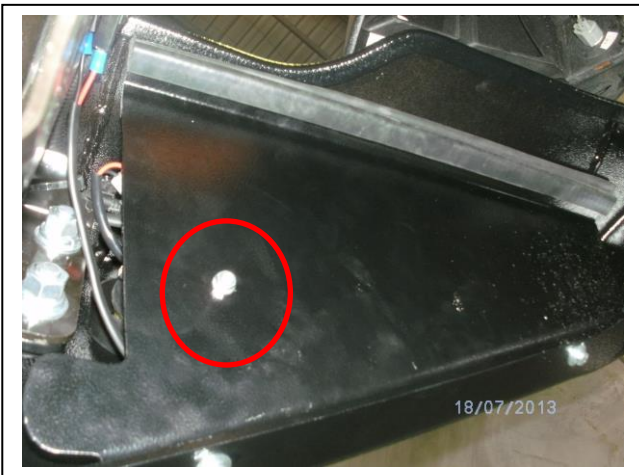


Figure 21: Horn fitted inside of underbody guard.

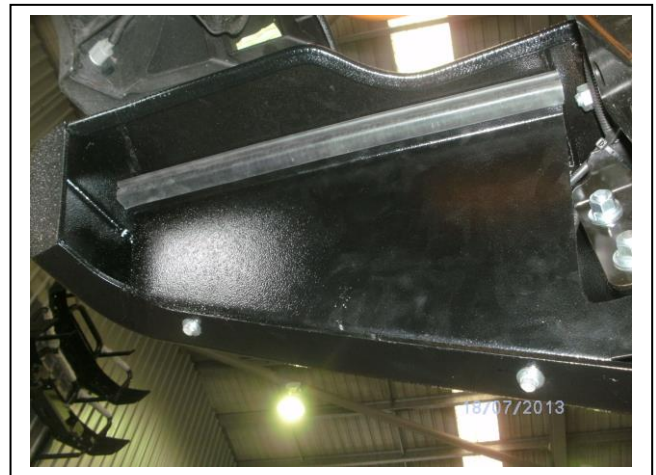


Figure 22: Passengers side underbody guard.



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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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DESPATCH CHECKLIST BJ100SY

ICZBK CJ100



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 – Steel winch mount
- OC.....1 – Pair 4mm alloy under body guard (with M6 nutserts fitted)
- OC.....1 – Alloy infill kit – All P/C SHT
- BK.....1 – BJ100SY winch control bracket
- BK.....1 – Bolt Kit
- BK.....1 – LED ECB indicator / park light kit
- BK.....1 – 35 watt Fog light kit
- BK.....1 – 1950mm length 6mm clip lock
- BK.....1 – 1000mm length 6mm clip lock
- BK.....2 – 450mm length 6mm bubble 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 __/__/__



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Holes and "D" must be on drivers side of part.





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OPTIONAL FITTING INSTRUCTIONS

BJ100SY JEEP WRANGLER JK 08on

BUMPER INFILL PANELS

NOTE: Fitment of the bullbar/ guard infill panels is dependant on customer preference regarding the visual requirements of the vehicle. These panels are easier to fit at time of installation of Protection Bar to vehicle

Check installation hardware before commencing.

26. Using paper masking tape, cover area of bullbar where infill sits on Protection bar.
27. Install ECB protection bar to ECB steel mounts using lower two M12 x 1.75 x 40 bolts, flat washers, spring washers and nuts. Fairlead rollers pass through front of channel. Align ECB protection bar with vehicle. Tighten bolts securing Protection Bar. **See figures 1 and 2.**
28. Place infill into position on protection bar. Mark placement of infill on tape to allow fitment when bar is removed.
29. Remove protection bar from vehicle.
30. Place infill into position on protection bar. Using infill as a guide, drill fixing points of infill to 6mm.
31. Remove masking tape from top of Protection Bar.
32. Affix infill to top of protection bar using two M6 x 20 bolts, flat washers and nyloc nuts. Align infill and tighten in position.

At this stage please resume bar fitting instructions at step 26.

FITTING KIT

1 – Pair ECB alloy infill	12 – M6 flat washers
6 – M6 x 20 bolts	6 – M6 nyloc nuts



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Figure 1: Front view



Figure 2: Side view

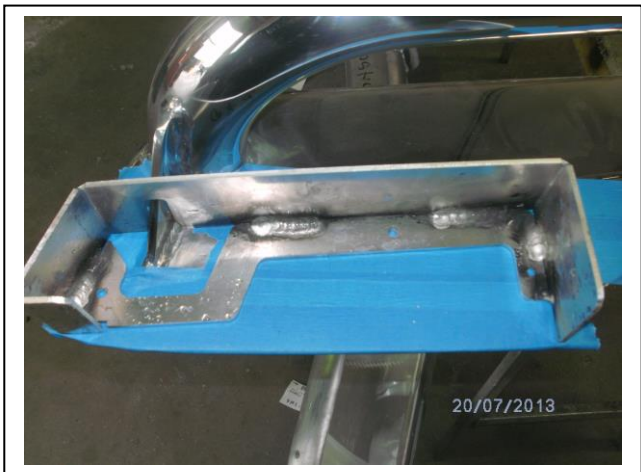


Figure 3: Aligned with markings on top of protection bar

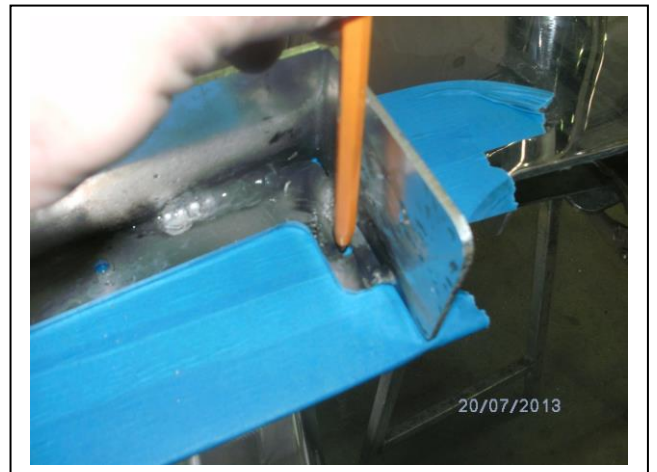


Figure 4: Marking ready for drilling



Figure 3: Front view with infills fitted



Figure 4: Side view with infills fitted