



WORLD'S BEST
ALLOY BULLBARS

East Coast Bullbars (ECB Pty Ltd)

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BL100SY

REPLACES: 00.00.00

REVISED: 18.11.04

FITTING INSTRUCTIONS

LEXUS LX470 BIG TUBE™ WITH REPLACEMENT FOG LIGHTS VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR ADR and AIR BAG COMPLANT VEHICLES

Check installation hardware before commencing.

1. Lift Bonnet. Remove three plastic clips one (each side) just behind high beam light, one in centre under plastic cover – (lift cover slightly to access). One 10mm head PK screw (each side) at top of bumper side returns and four 10mm head bolts along bottom of bumper. Disconnect indicators and fog lights. Remove bumper cover.
2. Remove foam from bumper sub-frame to access sub-frame bolts.
3. Remove bumper sub-frame.
4. Remove tow hook and tie down brackets.
5. Remove park lights from vehicle (1 PK screw under bonnet, top outside of headlight) push out from under guard. Splice ECB wiring into original park light wiring. Use cable locks (supplied). Cut off original socket from indicator wiring; leave approximately 40mm wiring on socket. Splice ECB indicator wiring into original indicator wiring. Refit original park lights.
7. Attach ECB steel mounting brackets (supplied) to vehicle. **NOTE:** Tilt steel mounting brackets slightly in toward centre and feed onto chassis. Use M10 x 30 x 1.25 bolts (supplied) in place of original bumper sub frame bolts. **DO NOT TIGHTEN. See figures 1 and 2.**
8. Insert ½ x 6 bolts (supplied) vertically through mount hole at front of chassis. Place 40mm round spacer (supplied) between mount and top of chassis. Use nuts/washers (supplied). **DO NOT TIGHTEN. See figure 2.** **NOTE:** Ensure all air conditioning lines are clear of nut/bolts on passenger side. Bend slightly to clear if necessary.
9. Replace tow hook and tie down brackets using original bolts. **DO NOT TIGHTEN.**
10. 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 3**
11. Fit ECB fog lamps (supplied) into protection bar. **See figure 4.** Use M6 x 20 bolts with 6mm nut on 100mm wire (supplied) **TIGHTEN FIRM ONLY. Do not** fit ECB fog light trims (supplied) to protection bar at this point.
12. Cut socket from original fog light wiring. Use 2-core wiring (supplied) to extend original wiring. Use cable locks (supplied). Splice wiring and attach and crimp sockets to 2-core wiring. Use red sockets (supplied).
13. Attach infill trim (supplied) to top of ECB protection bar. **NOTE:** Trim 30mm off lower edge so trim will sit over end of protection bar. **See figures 5 and 6. Trim excess off end to follow protection bar. See figure 7.** **NOTE:** Seal any exposed edges of trim with silicone or similar to avoid corrosion of inner steel.



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14. Attach round cut out surrounds (supplied) into the round cut outs on the front of the protection bar. **NOTE:** Wider part of trim faces to bottom side of cut out.
15. Attach ECB protection bar to inside of steel mounting brackets using ½ x 1 ½ bolts and nuts (supplied). **FINGER TIGHTEN ONLY.**
16. **TIGHTEN STEEL MOUNTS TO CHASSIS.** Align protection bar with vehicle. Adjust on slot holes for protection bar to sit neatly around grille and headlight under panels.
17. Adjust at side returns so protection bar infill trim just makes contact with vehicle guards. **See figure 8.**
18. **TIGHTEN PROTECTION BAR BOLTS/NUTS** to a force of 130 N-m (100ft/lb).
19. Connect ECB indicator/park lights and ECB fog lamps. **CHECK OPERATION.** Load resistors need to be wired in to ensure lights flash correctly
20. Aim fog lights just below low beam and **TIGHTEN all fog light bolts.** Fit fog light trims (supplied) to protection bar. **Note:** wider part of the trim faces toward centre.
21. Remove centre air vent from protection bar skirt.
22. Remove three 12mm head bolts for original steel under guard. **See figure 9. Note:** Loosen side bolts to drop guard if necessary.
23. Slide ECB protection plate (supplied) in between under guard and chassis. Use original bolts. **FINGER TIGHTEN ONLY.**
24. Using alloy protection plate as a guide, drill three 6mm holes through skirt on protection bar. Use ¼ x 1 bolts, flat washers and nylock nuts (supplied). **TIGHTEN ALL BOLTS/NUTS. See figure 10.**
NOTE: Access centre nut through air vent cut out. Replace air vent.

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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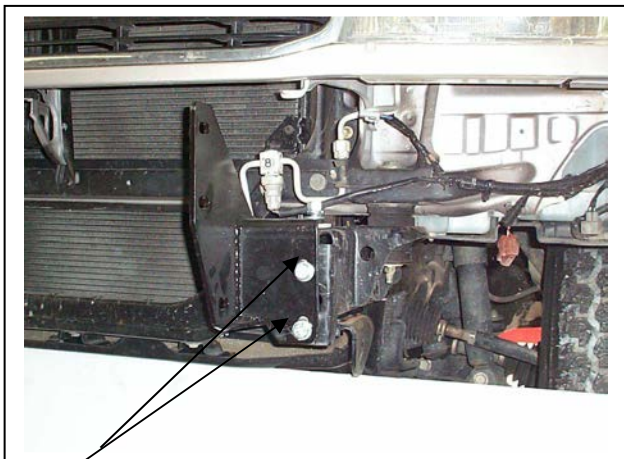
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FITTING KIT

2 – Steel mounting brackets.	3 – ¼ nylock nuts.
1 – Alloy protection plate	6 – Flat washers
2 – 40mm alloy washers c/w 13mm round holes.	2 – ECB Fog light trims.
4 – M10 x 30 x 1.25 bolts.	4 – Red 4mm sockets.
4 – 3/8 flat washers.	2 – M6 x 20 bolts.
4 – 3/8 spring washers.	2 – M6 nylock nuts on 100mm wire
2 – ½ x 6 unc bolts and nuts.	2 – M6 spring washers.
6 – ½ x 1 ½ bolts and nuts.	2 – M6 flat washers
16 – ½ flat washers.	10 – Cable locks.
8 – ½ spring washers.	1 – 2500mm length 6mm black infill trim.
1 – Pair ECB LED	2 – Round cut out surrounds.
1 – Pair ECB Fog Lights	2 – 300mm lengths 2-core wiring.
3 – ¼ x 1 bolts.	1 – Blister pack load resisters (ICLEDLR12/2)



M10 x 30 x 1.25 bolts **Figure 1**

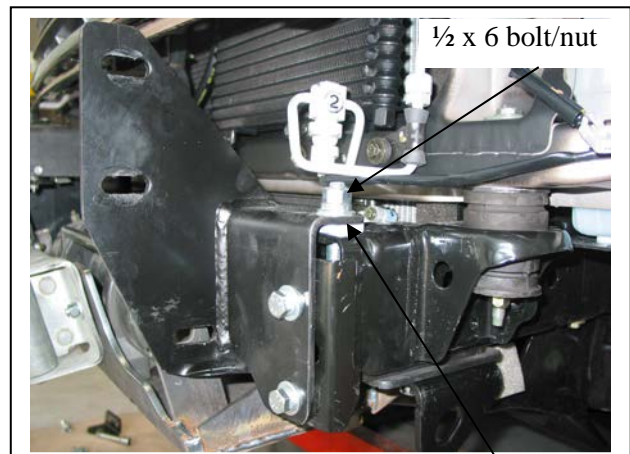


Figure 2 Alloy spacer

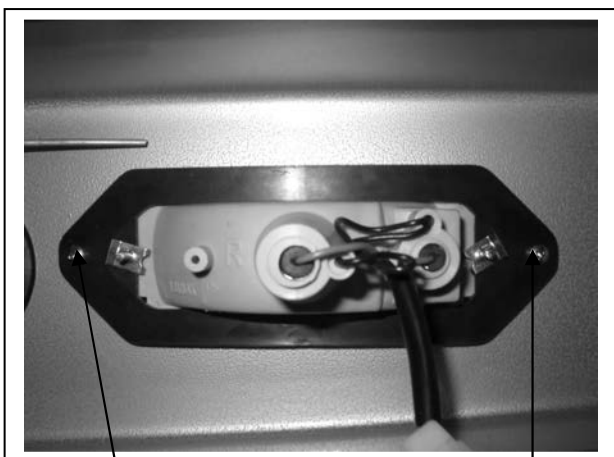
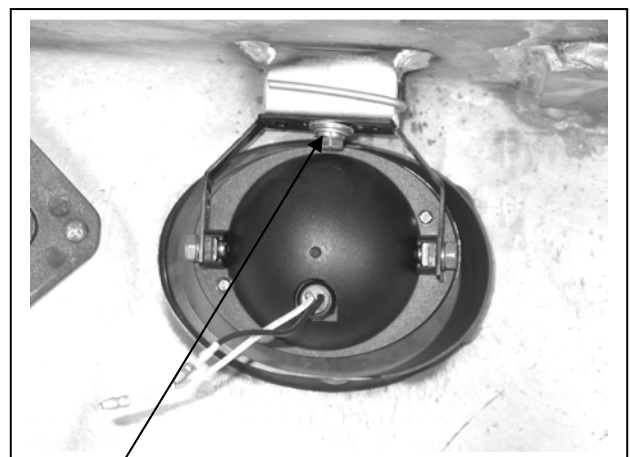


Figure 3
10g x 15 stainless steel self-tappers



M6 x 20 bolt with M6 nut on wire **Figure 4**



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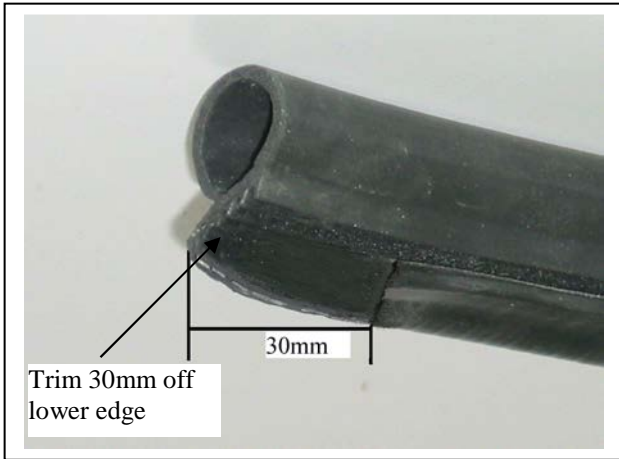


Figure 5

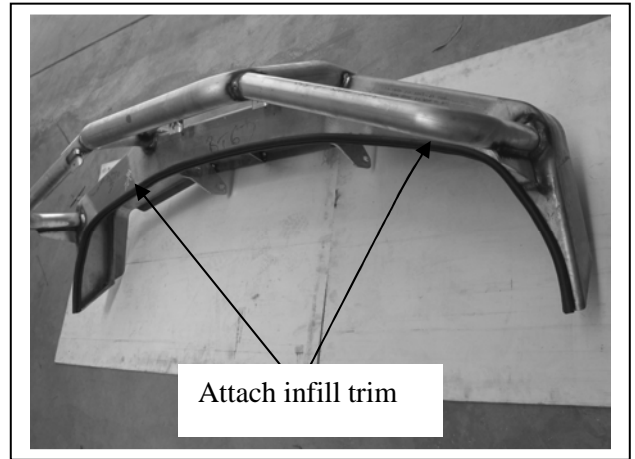


Figure 6

Infill trim flush with end

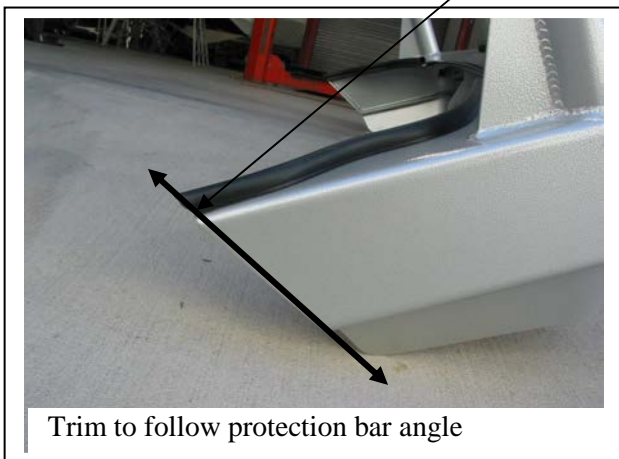


Figure 7

Note: Example only angle on bar maybe different to the above

Infill trim



Figure 8 – Big Tube shown

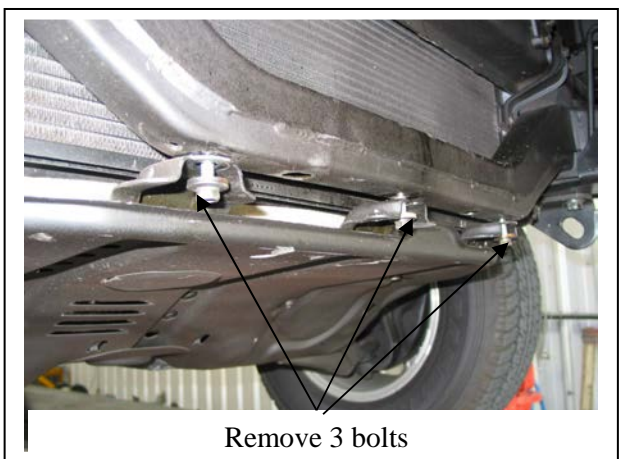


Figure 9



Figure 10



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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 66
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Fax to
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DESPATCH CHECKLIST BL100SY

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

- 2 – Steel mounting brackets.
- 1 – Alloy protection plate
- 1 – Bolt Kit
- 1 – LED ECB indicator / park light kit.
- 1 – Fog light kit
- 1 – 1 – 2500mm length 6mm black infill trim
- 2 – ECB Overriders – **Fitted to Bar**
- 3 – 6mm Air Vents – **Fitted to Bar**



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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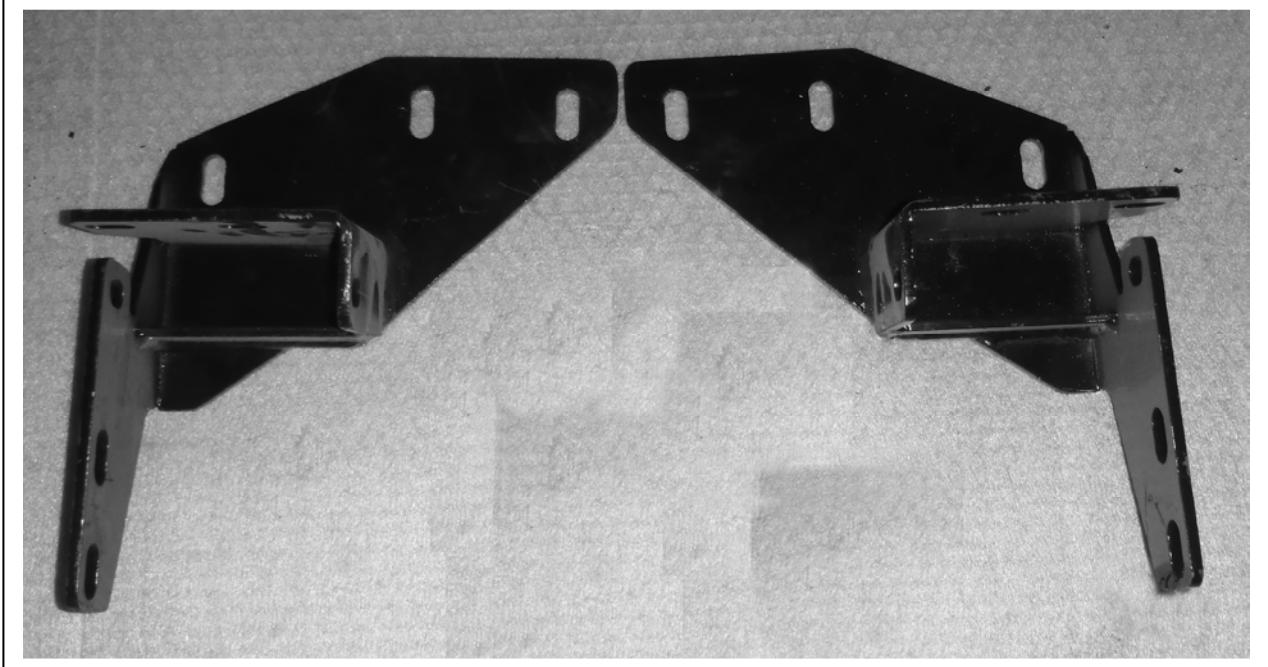
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Wrapper's initials / Checker initials