



**WORLD'S BEST
ALLOY BULLBARS**

East Coast Bullbars (ECB Pty Ltd)

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REPLACES: 00.00.00
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BL85SY

FITTING INSTRUCTIONS

LEXUS LX470 BIG TUBE WITH FOG LIGHTS AND 9000LB WARN WINCH MOUNTING BRACKET VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG and ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

NOTE: Ensure any exposed ends of clip lock and infill trim are sealed with silicone or similar to prevent corrosion.

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.
6. Attach the supplied 180mm lengths of 6mm black clip lock to roller fairlead cut out. **See figure 1.**
7. Attach infill trim (supplied) to top sides of ECB protection bar. **NOTE:** Trim 30mm off lower edge so trim will sit over end of protection bar. **See figures 2 and 3. Trim excess off end to follow protection bar. See figure 4. NOTE:** Seal any exposed edges of trim with silicone or similar to avoid corrosion of inner steel.
8. Fit ECB indicators / park lights into protection bar. Use two 10g x 15 stainless steel self-tappers (per light) over clamp late and into front surround. **See figure 5. NOTE: Left and right / park light to outside.**
9. Fit ECB fog lamps (supplied) into protection bar. **See figure 6.** 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.
10. 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).
11. 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.**
12. Attach ECB steel mounting brackets (supplied) to vehicle. **NOTE:** Tilt steel mounting brackets slightly in towards centre and feed onto chassis. Use M10 x 30 high tensile bolts (supplied) for front holes. **FINGER TIGHTEN ONLY.** Do not fit lower tow hook bolts at this point. **See figures 7 and 8.**



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13. 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 8.**
NOTE: Ensure all air conditioning lines are clear of nut/bolt on passenger side. Bend slightly to clear if necessary.
14. Attach fairlead to ECB winch mount. Use ¾ x 1 ¼ bolts/washers and nuts (supplied). **TIGHTEN FIRM ONLY AS HIGH AS POSSIBLE ON WINCH MOUNTING BRACKET.**
15. Loosely bolt winch to winch frame. Use bolts and spring washers supplied with winch along with ¾ flat washers (supplied). **See figures 9. NOTE:** Feed winch cable through roller fairlead as installing.
16. Attach control box cables to winch. **TIGHTEN CABLES**—loosely sit control box on top of winch **See figure 10.**
17. Place winch mount and winch onto trolley jack or similar. Ensure all cables are at top of winch and not at back.
18. Jack winch mount/ winch up onto chassis rails.
19. Reattach tow hook on driver's side and tie down brackets on drivers and passengers side over winch mount. **DO NOT TIGHTEN. Use original bolts.**
20. Position control box bracket on inside of winch mounting bracket. Use 3/8 x 1 ¼ bolt/nut and washers (supplied). **FINGER TIGHTEN ONLY. See figure 11.**
21. Attach control box to control box bracket. Use ¼ flat washer (supplied) each side of control box bracket. Position control box as high as possible and as far forward as possible. **TIGHTEN ALL BOLTS/NUTS. See figures 12 and 13.**
22. Route positive and negative cables to battery and connect as per winch instructions.
23. Attach ECB protection bar to inside of steel mounting brackets using ½ x 1 ½ bolts and nuts (supplied) for upper holes. **DO NOT TIGHTEN.** Use ½ x 1 ¾ bolts (supplied) for lower protection bar mount holes. Pass bolt through winch mount, steel protection bar mount, alloy mount and winch mount. **NOTE:** Pass bolts from inside.
24. **TIGHTEN M10 x 30 x 1.25 bolts and ½ x 6 bolts/nuts on Protection bar steel mounts.** Recheck air conditioning lines for clearance on passenger side.
25. Align protection bar with vehicle – adjust on slot holes for protection bar to sit neatly around grille and headlight under panels. Adjust at side returns so protection bar infill trim just makes contact with vehicle guards.
See figure 14. TIGHTEN FOUR UPPER PROTECTION BAR BOLTS/NUTS ONLY TO 130 N-m (100ft/lb)
26. Position winch frame on slot holes so that winch frame is clear of protection bar and chassis cross member.
TIGHTEN ALL BOLTS. Including lower protection bar bolts/nuts.
27. Align winch in winch frame and **TIGHTEN** four winch bolts.
28. Realign roller fairlead if necessary. **TIGHTEN IN POSITION.**
29. Connect ECB indicator/park lights and ECB fog lamps. **CHECK OPERATION.** Load resistors need to be wired in to ensure lights flash correctly
30. 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.



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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 – Winch mounting plate.	1 – ECB LED Indicator / Park light kit
2 – Steel mounting brackets.	6 – Cable locks.
2 – 40mm alloy washers c/w 13mm round holes.	2 – ECB Fog Lamps and wiring kit.
4 – M10 x 30 x 1.25 bolts.	2 – ECB fog light trims.
4 – 3/8 x 1 ¼ bolts and nuts.	4 – Red 4mm sockets.
16 – 3/8 flat washers.	2 – M6 x 20 bolts.
8 – 3/8 spring washers.	2 – M6 nylock nuts on 100mm of wire.
2 – ½ x 6 bolts and nuts.	4 – M6 flat washers.
4 – ½ x 1 ½ bolts and nuts.	1 – 2500mm length 6mm black infill trim.
2 – ½ x 1 ¾ bolts.	2 – 180mm lengths 6mm black clip lock.
8 – ½ spring washers.	2 – Round cut out surrounds (same as fog light trims).
16 – ½ flat washers.	2 – 300mm lengths 2-core wire.
	1 – Blister pack load resistors (ICLEDLR12/2)

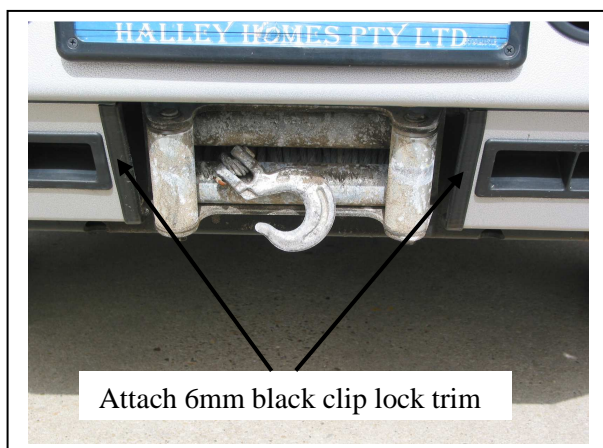


Figure 1

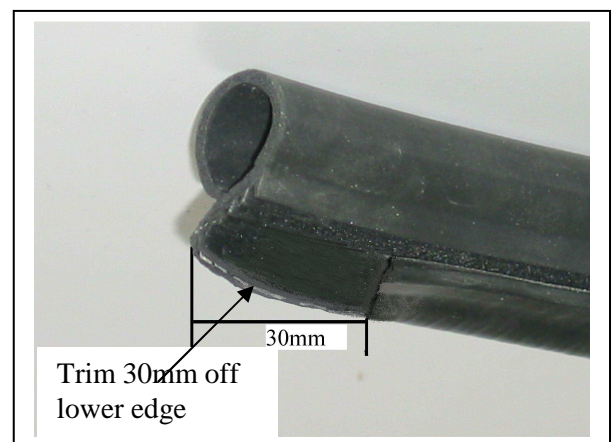


Figure 2



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Figure 3

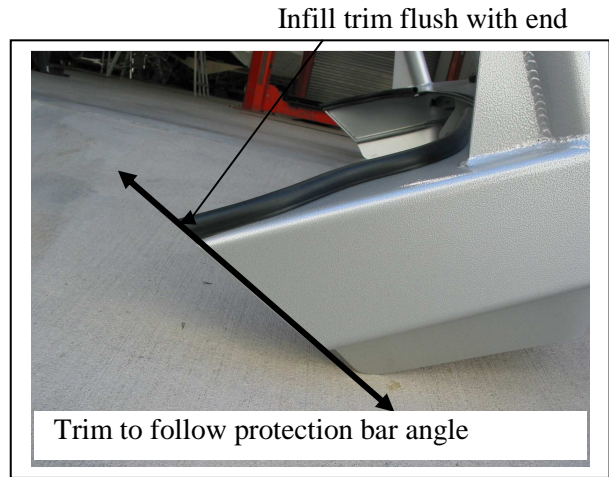


Figure 4

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

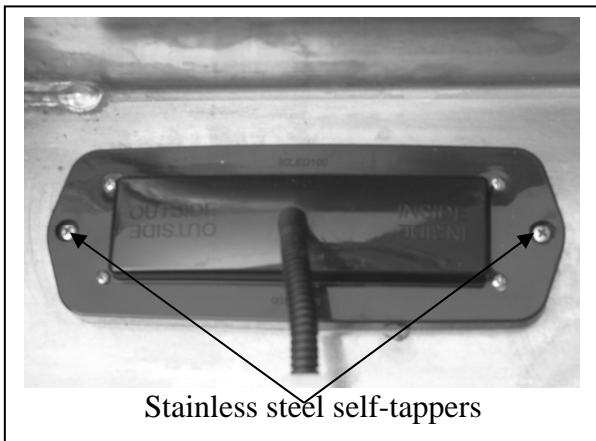


Figure 5

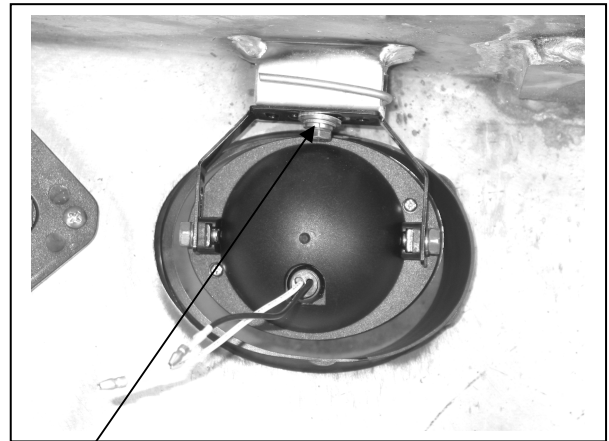


Figure 6

M6 x 20 bolt with
M6 nut on wire

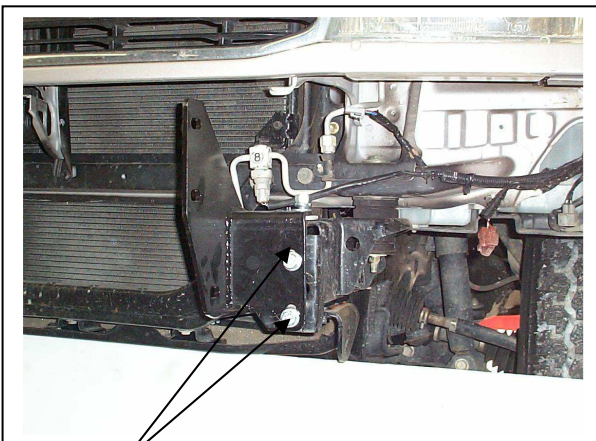


Figure 7

M10 x 30 x 1.25
bolts

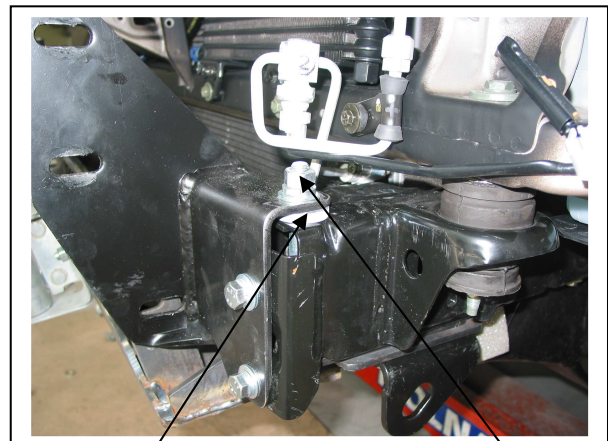


Figure 8

6mm alloy washer

1/2 x 6 bolt/nut



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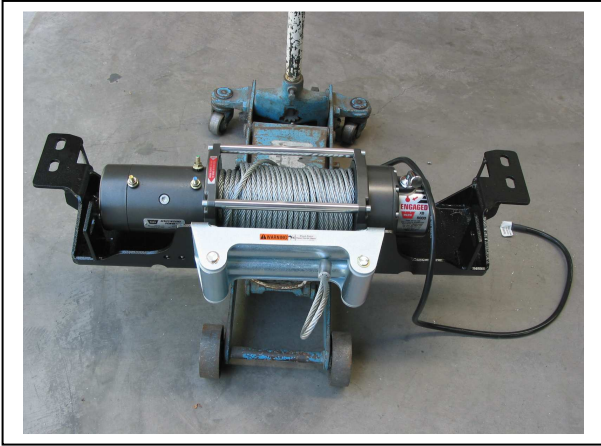


Figure 9

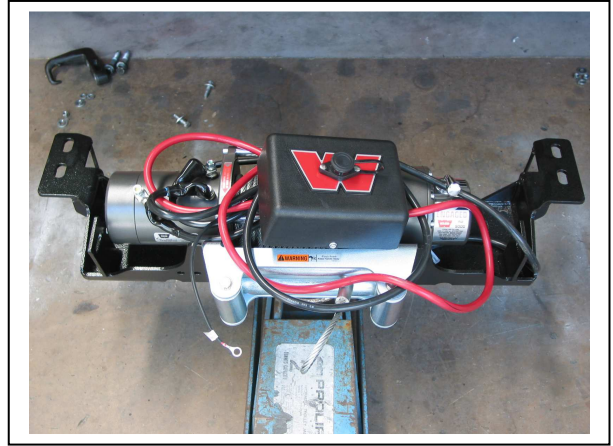


Figure 10

Control box bracket

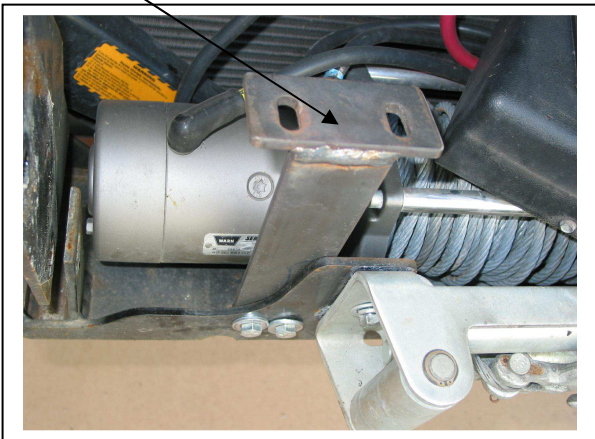


Figure 11



Figure 12

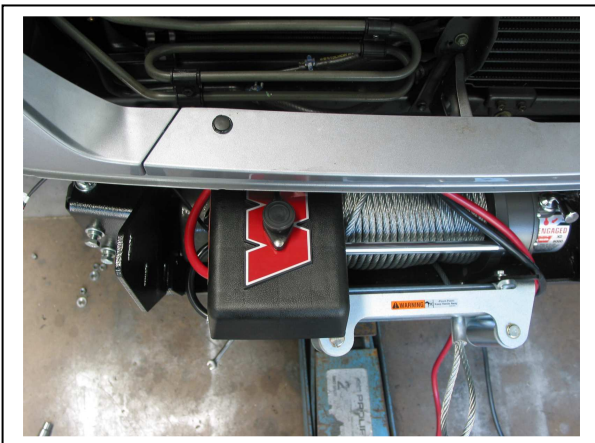


Figure 13

Infill trim



Figure 14



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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

Fax to
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DESPATCH CHECKLIST BL85SY

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

- 1 – Winch mounting bracket.
- 1 – Control box bracket.
- 2 – Steel mounting brackets.
- 1 – Bolt Kit.
- 1 – ECB LED Indicator / Park light kit.
- 2 – ECB fog lamps and wiring kit.
- 2 – ECB fog/bumper light trims.
- 1 – 2500mm length 6mm black **infill** trim.
- 2 – 200mm lengths 6mm clip lock.
- 2 – Round cut out surrounds (same as fog light trims) - **Fitted to Bar.**
- 2 – ECB overrides – **Fitted to bar.**
- 2 – 6mm air scoops – **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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