



WORLD'S BEST
ALLOY BULLBARS

East Coast Bullbars (ECB Pty Ltd)

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NB6R56SY

REPLACES: 00.00.00
REVISED: 01.06.10

FITTING INSTRUCTIONS

LANDROVER DISCOVERY 4 10/09on SERIES 2 NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

Special tools: T30 Torx bit with required socket

1. Lift bonnet.
2. Carefully cut around template (supplied). Using paper masking tape, cover chin spoilers ready for trimming. Place cut template over chin spoiler and mark area to be cut. Trim chin spoilers using a jigsaw or die grinder to allow fitment of tube.
3. From under front of vehicle, remove outside T30 Torx screw from plastic bumper.
4. Remove lower engine covers from both sides of vehicle, four push pull style clips (per side). Retain for refit.
5. Using outside hole on underside of lower chassis cross member as a guide, drill a 10mm hole through top of cross member. **See figure 1. Caution:** Hole must be drilled straight to avoid collision with attachment point at top of cross member. **NOTE: All filings must be blown out and bare metal treated using paint or a rust inhibitor.**
6. Drill front lower attachment hole of removed engine cover to 10mm. **See figure 2. NOTE: All filings must be blown out and bare metal treated using paint or a rust inhibitor.**
7. Install chassis spacer inside end of lower cross member, place two 3/8 x 2 1/2 bolts and flat washers (supplied) through outer hole and inner hole from top of lower cross member.
8. Fit ECB steel mounting brackets (supplied) to underside of lower cross member with bar mounting section to outside using flat washers, spring washers and nuts (supplied). **See figure 3.**
9. Refit lower engine covers over ECB Steel mounting Brackets. Use 3/8 x 1 1/2 bolt and washer on wire (supplied) through hole in underside of support bracket, flat washers, spring washers and nuts (supplied). **Tighten all bolts.**
10. Refit T30 Torx screw to resecure bumper cover through ECB Steel mounting bracket.
11. Place a thick soft cloth onto ground in front of vehicle. Lay Series 2 protection bar in front of vehicle on cloth with legs of Nudge Bar under vehicle to outside of ECB Steel mounting brackets. Using 3/8 x 1 1/2 bolts and flat washers (supplied) from inside of tube attach Nudge Bar to ECB steel mounting brackets, flat washer, spring washer and nut to ECB steel mount side. **Tighten firmly. See figure 4.**
12. Carefully lift bar to correct position on vehicle and install front 3/8 x 1 1/2 bolts and washers on wire (supplied) to access front hole from inside tube. Use flat washer, spring washer and nuts (supplied).
13. Align bar to vehicle. **See figure 5 and 6.**



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14. Tighten all bolts.
15. Remove grille – four lever type clips along top and one push pull type clip on lower outer(each side).
See figure 7.
16. Remove headlamp assemblies – slide two steel locking clips (per assembly) upward to align with round mouldings on assemblies. **See figure 8.** Pull assemblies forward off vehicle – unplug wiring and remove. **See figure 9.**
17. Remove outer 8mm screw from top of plastic bumper cover. Fit alloy support plates (supplied) and refit using original screw. Ensure support mount fits to underside of bracket attached to ECB protection bar. Fit to protection bar using 3/8 x 1 bolts, flat washers, spring washers and nuts (supplied). Tighten all bolts. **See figure10.**
18. Rewire and refit headlamp assemblies to vehicle. **Check for correct operation.**
19. Refit grille to vehicle.

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

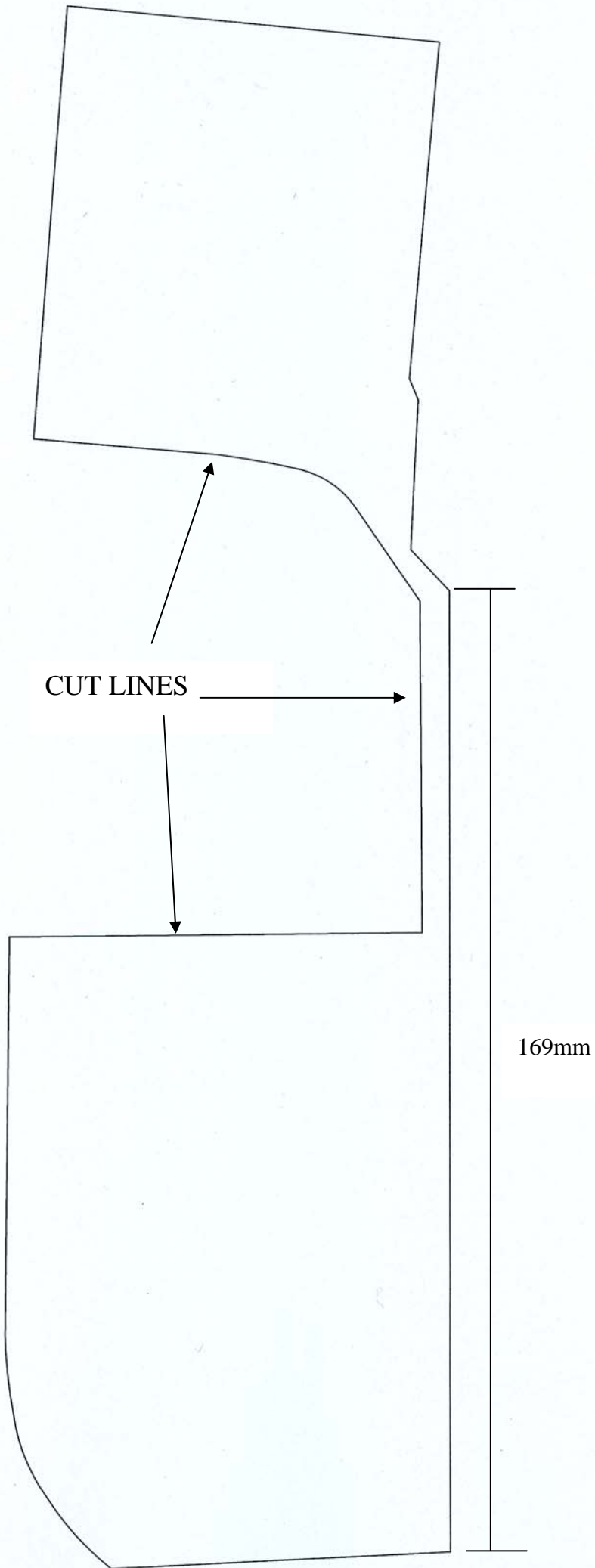
Periodically check bolts and nuts for correct tightness, especially if travelling on rough roads

FITTING KIT

1 – Pair steel mounting brackets	2 – 3/8 x 1 ½ bolts
1 – Pair alloy top mounting support brackets	2 – 3/8 x 1 bolts
2 – Chassis spacers	20 – 3/8 flat washers
4 – 3/8 x 2 ½ bolts	12 – 3/8 spring washers
4 – 3/8 x 1 ½ bolts and washers on 300mm wire	12 – 3/8 nuts

Chin spoiler cutting template

Caution: check size of template before use as some printers may vary.





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Figure 1: Drill end of lower cross member through top using lower hole as a guide



Figure 2: Drill lower front hole of engine side cover to 10mm



Figure 3: Passengers side shown.



Figure 4: A soft blanket or towel will leave less marking on a mirror polished finish



Figure 5



Figure 6



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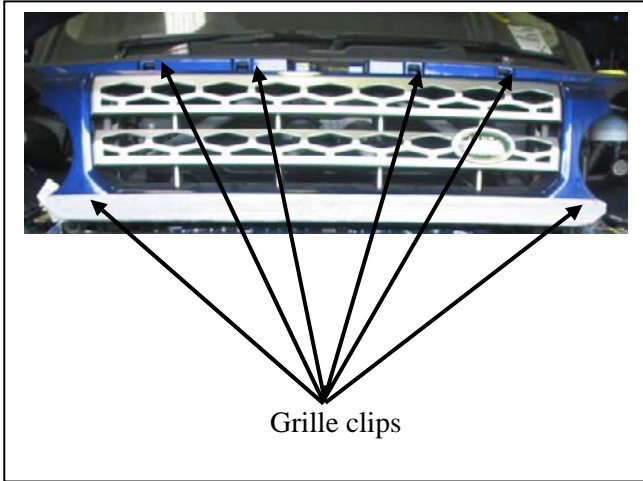
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Inner headlamp clip



Grille clips

Figure 7

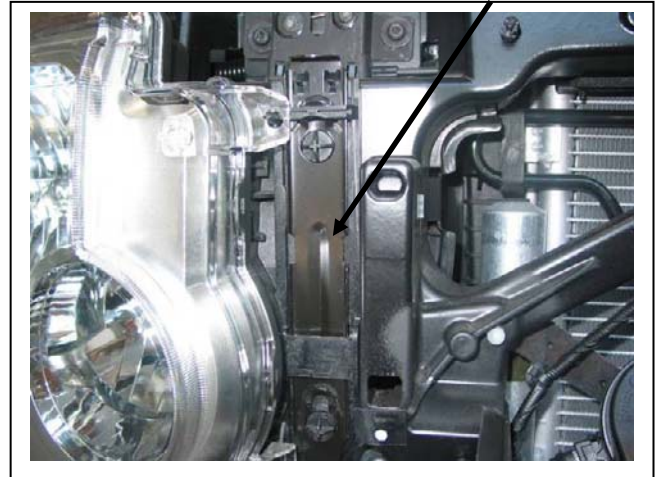


Figure 8: Drivers side inner shown



Figure 9: Headlamp opening



Figure 10: Drivers side shown



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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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Fax to
(07) 3283 1168



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DESPATCH CHECKLIST NB6R56SY

ICZBKTR56



Work Order #	
Finish:	
Transport:	
Due Date:	

- 1 – Pair steel mounting brackets.
- 1 – Pair of Powder Coated Alloy top mounts
- 2 – Chassis spacers
- 1 – Bolt Kit.

**See other
side of this
page for
photos of all
mounts**



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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Pair Steel mounting brackets

