



East Coast Bullbars (ECB Pty Ltd)

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8F161SY, NB6F161SY, NBF162SY

REPLACES: 00.00.00
REVISED: 25.07.16

FITTING INSTRUCTIONS

FORD RANGER 2, EVEREST TYPE 8, 63MM SERIES 2 NUDGE BAR AND 76MM NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

CAUTION: SOME INSTRUCTIONS VARY BETWEEN RANGER AND EVEREST MODELS.

1. Lift bonnet
2. **RANGER** - Remove four plastic push pull clips from radiator cover on top of grille. Remove radiator cover by sliding hand between grille and radiator support to release clips from front of cover. **See figure 1.**
- 2a. **EVEREST** - Remove five plastic push pull clips and two T30 torx head bolts from radiator cover on top of grille. Remove radiator cover by sliding hand between grille and radiator support to release clips from front of cover.
3. Under front of guards, remove four plastic screw clips and one 8mm head screw from area at rear of bumper / guard join. Pull inner guards away from bumper. **See figure 2.** Disconnect fog lights and parking sensor loom (left hand side of vehicle).
4. From top of grille near headlights remove two 10mm head bolts each side. Gently unclip grille from headlight. Release clips on each side of the grille by reaching through the inner guard and pressing the three clips forward while applying pressure on the grille. From in front of the car reach behind grille and unclip the six clips along the bottom of the grille behind the bumper. Remove grille. **See figure 3** for clip placement.
5. Under front of bumper, remove four 10mm head bolts. **See figure 4.** From on top of the bumper remove four plastic push pull clips.
- 5a. **EVEREST** –
Remove four 7mm head bolts from each side of the front of liner.
6. Gently pull bumper away from guard to release plastic bumper clips. Remove bumper from vehicle.
7. From underneath the vehicle loosen only the two rear 15mm bolts from the under belly guard. Completely remove the front two 15mm bolts. Slide the guard towards the front of the vehicle and remove.
8. Remove four plastic push pull clip from front plastic support on bumper support. Remove plastic support. **See figure 5.**
9. Unclip connector and remove sonar box. **See figure 6. Caution needs to be taken not to drop or damage this unit in any way.**
10. Remove two plastic push pins from plastic air dam behind the bumper support and four 15mm head bolts from front of bumper support. Remove bumper support.
11. Remove plastic air dams, two 8mm head bolts per side.



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12. Loosely install ECB steel mount supplied using the original 15mm head bolts in the front and M10 x 40 bolts, flat washers, spring washers and nuts through the chassis rail. It is important that the mount is level and lined up square with the vehicle body. **See figure 7.** Tighten bolts and recheck position.
13. NOTE: Should the chassis mount not be level and square, a hammer may need to be used to realign the front of the chassis at the connection points on the vehicle to achieve a level and aligned mount.
14. Trim plastic air dam to fit around the ECB steel mount. **See figures 8 and 9.** Refit plastic air dam in reverse of step 11.
15. Fit supplied sonar mount onto the ECB steel mount using the two M8 x 25 bolts, spring washers and flat washers (supplied). **See figure 10.**
16. Bolt sonar box onto sonar mount using M6 x 50 bolts, flat washers and Nyloc nuts. Ensure the front of the sonar box is vertical and straight to front of vehicle. **Install the Perspex to the front of the sensor using nuts and flat washers to space the Perspex away from the front of the sonar box.** **See figure 11** Use Nyloc nuts as final nuts onto Perspex cover. Do not over tighten as Perspex could crack. **See figure 11.** Reconnect sensor plug.
17. Cut the lower black grille to allow mount to protrude from bumper. Use template supplied. **See figure 12.**
18. Install bumper in reverse of steps 2 through to 8.
19. Fit ECB Protection Bar to ECB steel mount using four M10 x 50 bolts, flat washers, spring washers and nuts. Align Protection Bar with vehicle and tighten all bolts. **See figures 13, 15 and 17 for front views and figures 14, 16 and 18 for side views.**
20. Install under body guard to vehicle using original equipment bolts into rear of ECB steel mount.

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



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FITTING KIT

1 – ECB steel mounting bracket	6 – M10 x 1.5 nuts
1 – ECB sonar mounting bracket	2 – M8 x 25 bolts
1 – Perspex cover 210 X 100 X 2mm (NBF160SY_A2PL)	2 – M8 flat washers
Place Perspex in own bag. Do not package with Bolts and nuts.	2 – M8 spring washers
2 – M10 x 1.5 x 40 bolts	3 – M6 x 50 bolts
4 – M10 x 1.5 x 50 bolts	18 – M6 flat washer
12 – M10 flat washers	6 – M6 nuts
6 – M10 spring washers	9 – M6 nyloc nuts



Figure 1



Figure 2

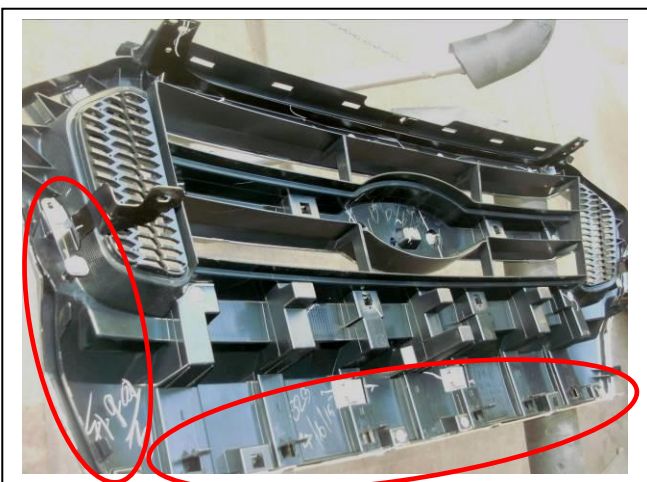


Figure 3



Figure 4



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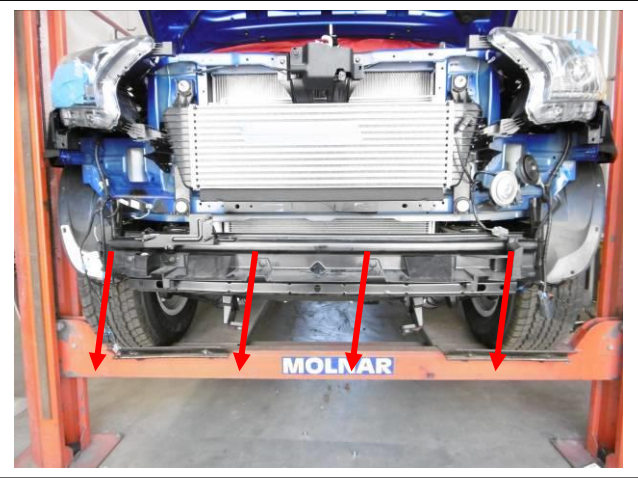


Figure 5



Figure 6



Figure 7



Figure 8



Figure 9



Figure 10



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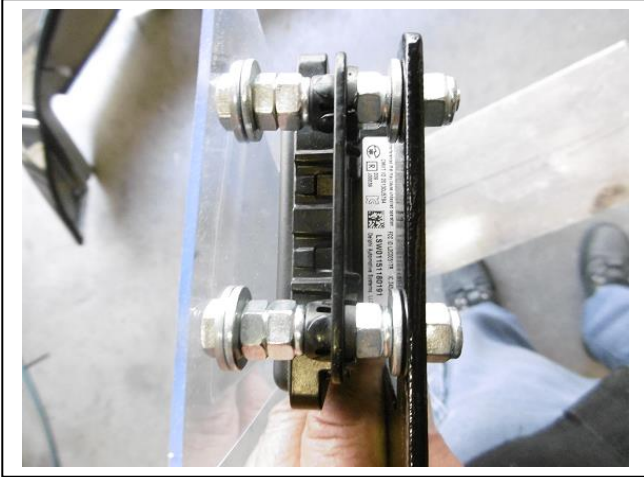


Figure 11



Figure 12



Figure 13



Figure 14



Figure 15



Figure 16



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Figure 17



Figure 18



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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

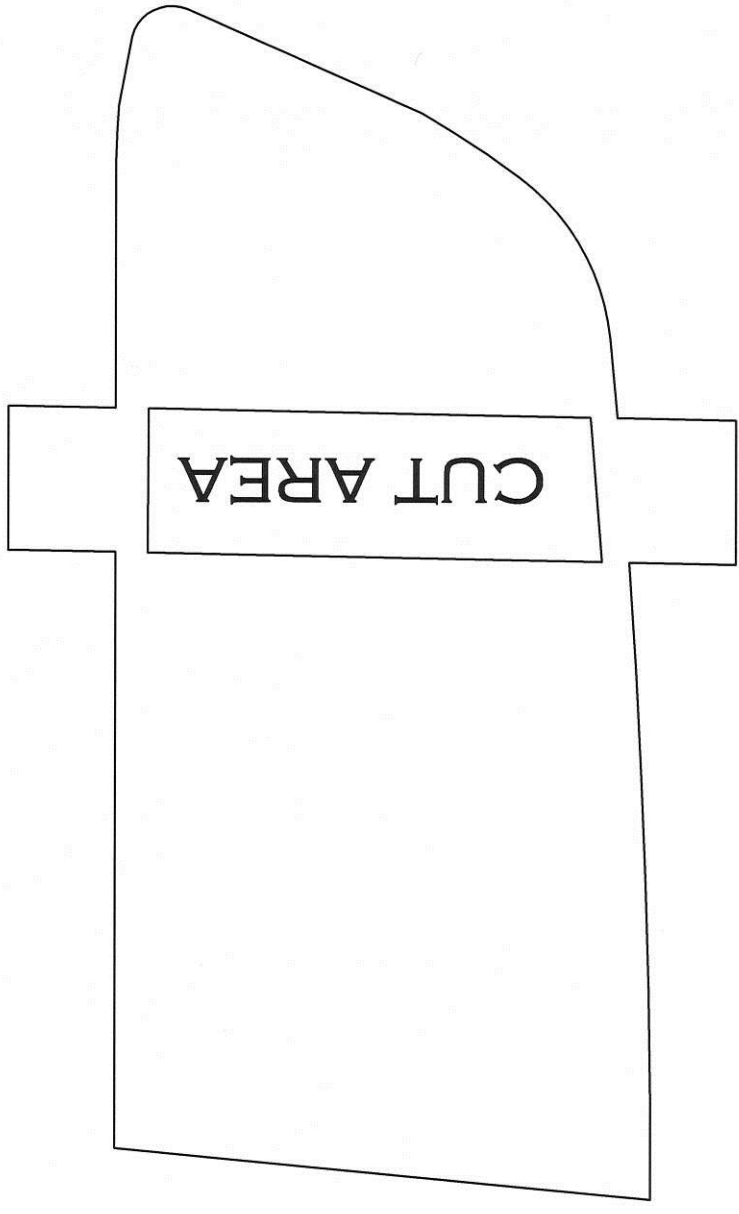
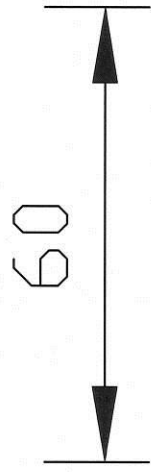
Please provide comments

Please draw diagrams if you need to.

Post to
Reply Paid 122
PO Box 122
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Fax to
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LOWER GRILLE TEMPLATE
CHECK MEASURE BEFORE
CUTTING TO ENSURE CORRECT SIZING





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DESPATCH CHECKLIST 8F161SY, NB6F161SY, NBF162SY

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

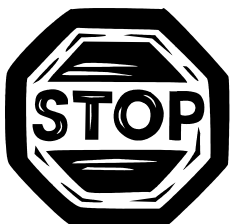
OC.....1– Steel mounting bracket. Two M8 nutserts to be fixed in holes in top of cross tube

BK.....1 – Bolt Kit.

BK.....1 – 210 X 100 X 2mm Perspex cover (NBF160SY_A2PL)

Ensure Perspex is not damaged in any way.

CAUTION: do not bend or scratch Perspex. Place in own bag, not with bolts and nuts.



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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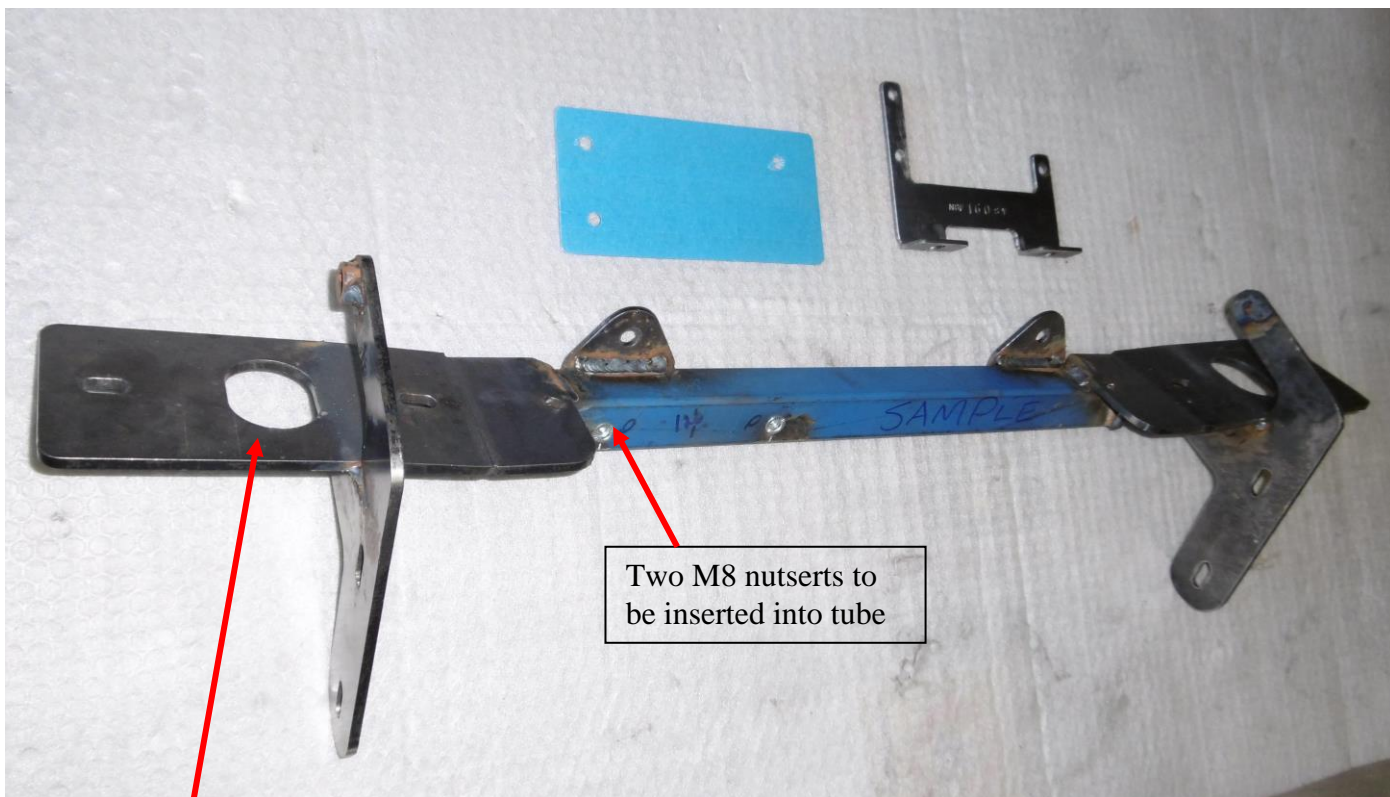
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NOTE: Bar mount on inside
of hole.

_____/_____
Wrapper's initials / Checker initials