



WORLD'S BEST
ALLOY BULLBARS

East Coast Bullbars (ECB Pty Ltd)

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NBF38SY

COMMENCES: 28.04.17
REVISED: 00.00.00

FITTING INSTRUCTIONS

FORD TERRITORY 7/14on 76MM NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

Special Requirements: Tube of clear neutral cure silicon.

1. Lift bonnet.
2. Remove radiator support to grille cover. Four plastic screw clips, two plastic push pull clips across rear and four clips at front attached to grille. Slide hand into grille to unclip.
3. From under vehicle, remove lower plastic air deflector, eighteen 7mm head screws. Pull under bodyguard forward and down at rear, then slide rearward to remove.
4. Remove three plastic push pull clips (per side) from front of inner guard. Behind inner guard at join from bumper cover to guard, remove two 10mm head screws (per side), one pointing up on vehicle and one pointing forward. From top of bumper between headlights, remove two 10mm head bolts. Carefully pull sides of bumper rearward and out from vehicle to release guard clips, lift from positioning lugs between headlights. **See figure 1.** Disconnect Parking sensors from under right hand side, fog lights, and antennae wire from left hand side as removing (if fitted). **Caution: bumper side plastic clips are easily damaged. Please use care when removing sides of bumper cover.**
5. Remove lower polystyrene bumper support.
6. Clamp ECB steel mounting brackets (supplied) onto front bumper support aligning top and outside edge with arrow up. Using inner measurement of alloy mounts, set outer measurement of ECB steel mounting brackets to match. **NOTE:** Be sure to allow 3 to 4 mm room above ECB Steel mounting brackets for intercooler tube.
7. Ensure ECB steel mounting brackets are central to vehicle. When correct measurement is achieved, using ECB steel mounting brackets as a guide, drill four holes (per side) in bumper support to 10mm. **Blow filings clear and treat all exposed metal with a rust inhibitor. See figure 2. Caution: Ensure oil tube is clear of drilling area on diesel models.**
8. Install ECB steel mounting brackets to bumper support using four M10 x 35 bolts, flat washers, spring washers and nuts (per side) (supplied). Use M10 nut and washer on wire (supplied) for left hand side nut under intercooler pipe. **Warning:** Ensure ECB steel mounting bracket hardware does not touch any vehicle pipe work as damage to vehicle could result. Lower air conditioning pipe work can be moved away from ECB steel mounting bracket by gently bending alloy section of tube either ends of flexible section. Caution is needed to not place strain on air conditioning fittings. **See figure 3. TIGHTEN ALL BOLTS.** Trim and crimp nut wire to bumper support to avoid rattling.
9. Measure, mark and cut polystyrene padding to fit back on bumper support. Place polystyrene padding in position on bumper support and using polystyrene as a guide, select one hole in front of bumper support. Enlarge hole in



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bumper support to 6mm. **Blow filings clear and treat all exposed metal with a rust inhibitor.** Refit using 6mm Christmas tree plugs and 6mm washer in previously drilled holes. **See figure 4 and 5.**

10. Remove grille from front bumper. Using sharp scissors or similar, carefully cut out bumper template (supplied). Align bumper template with inner edge of grille opening in bumper and mark cut area. **CAUTION:** As some printers may vary, check measure template to ensure correct dimensions.
11. Cut marked area from bumper cover using pull saw, hacksaw or similar.
12. Remove outer parking sensors from bumper. Disconnect wiring from rear of bumper and move to inside to allow wiring to come out next to mounts.
13. Refit front bumper as per reverse of step 4. Ensure when refitting to pull rear edge of bumper toward rear of vehicle to allow correct positioning on plastic retainer. If bumper is not re-seated correctly, the rear of the bumper will want to release itself from the guard. Fit the supplied 19mm Domed Blanking plugs into the now vacant sensor holes. Do not refit radiator support or grille cover at this time.
14. Using grille opening and mounts as a guide, mark and cut grille to fit around steel mounts. Allow extra room to outside of mounts for alloy bar mount. Trim black section at rear of grille to allow wiring to be pulled out between mounts and grille. Clean internal surfaces of outer silver grille trim using Methylated spirits or similar. Using clear neutral cure silicon, fill cut ends of outer silver grille trim. This not only stops dirt build up, it also stops possible rattle of parts. Fit grille to vehicle. **See figure 6.**
15. Fit ECB protection bar to ECB steel mounting brackets using M10 x 40 bolts, flat washers, spring washers and nuts (supplied). **FINGER TIGHTEN ONLY.** Rear bolts are accessed from under vehicle, M10 x 40 bolt on wire in fitting kit if required for ease of fitment.
16. Align protection bar to vehicle and pull as far forward as possible on mounts, tighten firmly enough for testing only. Install parking sensor into housing supplied and zip tie wiring to mount so parking sensor sits parallel to mounting bracket. Test parking sensors for correct operation See **figures 7 and 8.** **Note:** Sensors only activate in reverse and work in drive under 15 Km/h.
17. Refit under body guard to underside of vehicle and radiator support to grill cover under bonnet, as per reverse of steps 2 and 3.

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 – Pair ECB steel mounting brackets.	12 – 3/8 spring washers
8 – M10 x 1.5 x 35 bolts	11 – M10 x 1.5 nuts
4 – M10 x 1.5 x 40 bolts	2 – M6 flat washers
2 – M10 x 1.5 x 40 bolt and washer on wire	2 – 6 x 35 Christmas tree plug
1 – M10 x 1.5 nut and washer on 200mm wire	2 – 19mm Domed Blanking Plug (KTSBC19)
23 – M10 flat washers	



Figure 1: Pull bumper rearward and out to release.



Figure 2: Drill four holes to 10mm (per side)

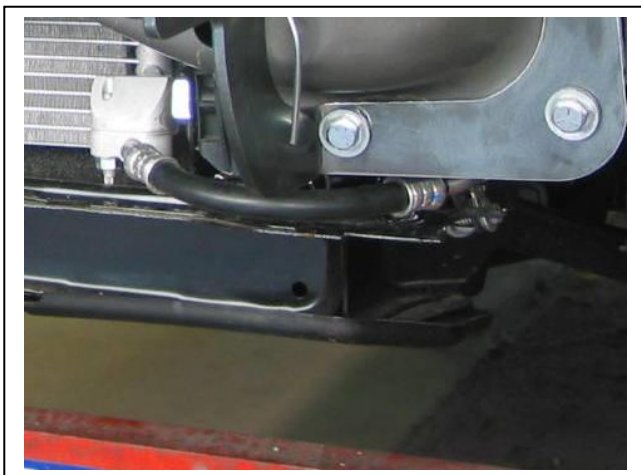


Figure 3: Check clearance between ECB steel mount and air conditioning pipe



Figure 4: Enlarge one hole per side for polystyrene foam bumper support



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Figure 5: Place M6 washer over Christmas tree plug to enlarge size of head.



Figure 6: Lower grille cut out

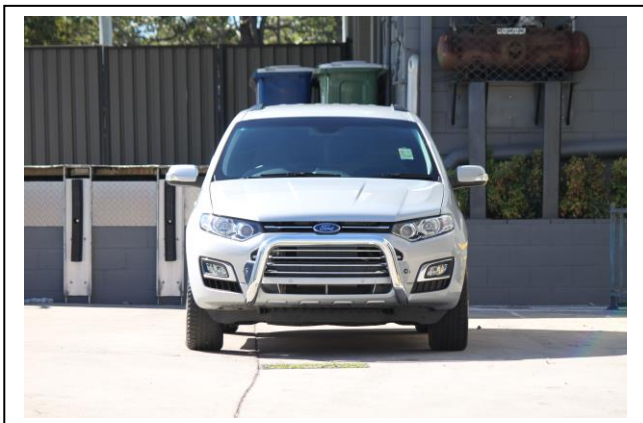
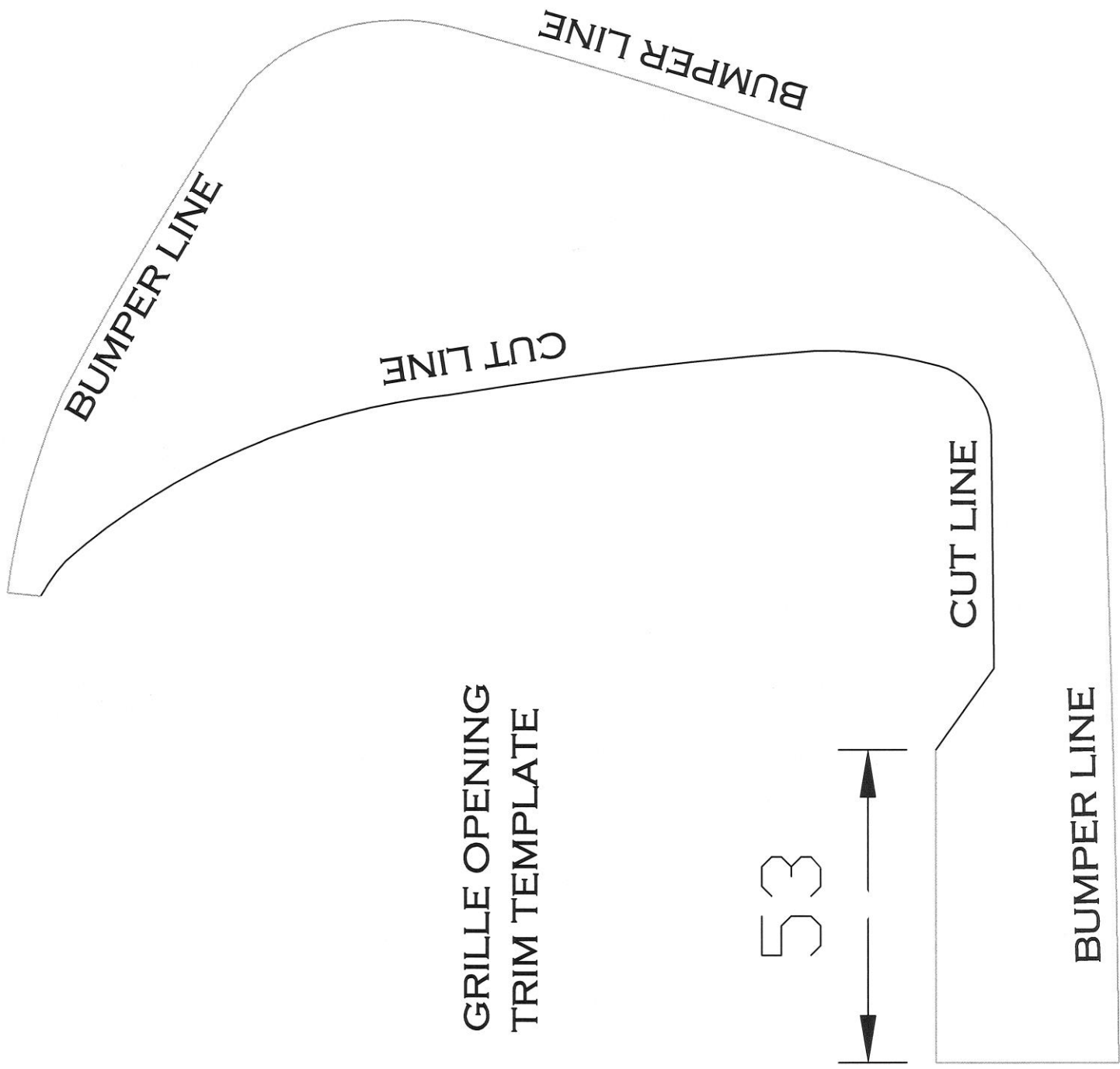


Figure 7: 76mm Nudge Bar front view



Figure 8: 76mm Nudge Bar side view





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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
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DESPATCH CHECKLIST NBF38SY

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

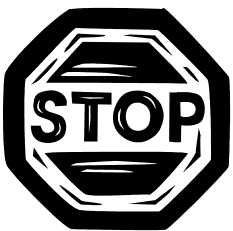
OC.....1 – Pair Steel mounting brackets.

OC.....2 – Parking sensor mount (**Fitted to bar**)

BK.....1 – Bolt Kit.

_____/_____

Wrapper's initials / Checker initials



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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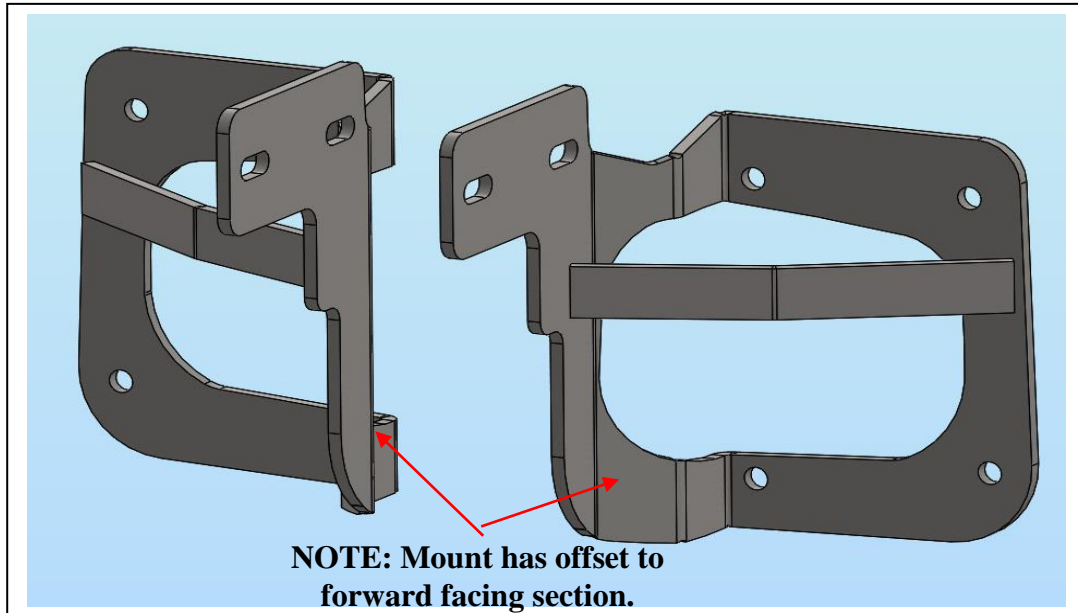
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Steel mount brackets



_____/_____
/

Wrapper's initials / Checker initials