



**WORLD'S BEST
ALLOY BULLBARS**

East Coast Bullbars (ECB Pty Ltd)

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BF70SY

REPLACES: 28.06.10
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FITTING INSTRUCTIONS

FORD RANGER PK 3/09-9/11 ECB BIG TUBE™ BAR with FOG LIGHTS VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Special Equipment: Pressure pack can of quick dry black paint
Roll paper masking tape
Masking paper or newspaper

Check installation hardware before commencing.

1. Lift bonnet. Remove grille, two plastic clips (one each side of bonnet latch), two Phillips head screws and two plastic clips (one screw, one clip each side) beside headlamps. Gently pull grille forward at top, slide hand to underside to release clips, pull grille upward and forward to remove.
2. Remove bumper cover from vehicle. Two Phillips screws and two push pull plastic clips from under grille, two 10mm head bolts and two 8mm bolts from rear of bumper wings under guards (one each side), light wiring from rear of lights and two plastic clips from under front of bumper cover. Carefully pull cover toward side of vehicle and unclip. Gently lift bumper forward and remove.
3. Remove plastic bumper supports from under headlights, four 10mm head screws, and bottom of guard, one 8mm head screw. Unclip side and rear clips. Replace the shortest of the 10mm head bolts back into headlight mount. **See figure 1.**
4. Remove bumper cover support. Access from under front of support, two 17mm head bolts (one each side) and inside engine bay on top of chassis rail. Two 17mm head bolts (one each side). **See figure 2.**
5. Locate vehicle wiring loom for indicator / park lights and fog lights on front of radiator support under headlamps. Splice ECB indicator / park light wiring (supplied) and fog lights into vehicle wiring loom. Use cable locks (supplied). Secure to vehicle fog lamp wiring using 150mm cable ties (supplied).
6. Mask front of headlight and front and side edge of guard in such a way as to protect it from overspray, using paper masking tape and masking paper or newspaper. **See figure 3.** Carefully paint lower edge of headlamp and guard. Allow to dry fully before removing tape.
7. Remove passenger side tow hook / tie down bracket. Four 17mm head bolts. **See figure 4.**
8. Remove driver's side tie down bracket. Two 17mm head bolts.
9. Attach ECB steel angle bracket (supplied) to tie down hook captive nuts, angle leg to outside of vehicle. Use two M12 x 1.5 x 35mm bolts, flat and spring washers (supplied) on underside of chassis. **FINGER TIGHTEN ONLY. See figure 5.**
10. Gently bend front tube on oil cooler vertically (if fitted) as per **figures 6 and 7**, to clear mount.
CAUTION: Excessive force will damage cooler.



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11. Attach steel mounting bracket (supplied) to chassis where bumper cover support brackets were removed. Place lower leg to inside of angle brackets attached to chassis. Use original bolts for top fitment and two 3/8 x 1 1/2 bolts, flat and spring washers and nuts (supplied) (each side) for lower leg. Align with vehicle, checking bracket is centred. **TIGHTEN IN POSITION ON TOP FRONT BOLTS ONLY. NOTE: Steel mounting bracket must not touch turbo cooler, oil cooler or air conditioning receiver dryer. If steel mounting brackets are scratched when fitted then treat with a rust inhibitor or similar.**
12. **TIGHTEN BOLTS**, front of chassis rail first, followed by top of chassis rail, tow points on chassis rail and finally mounting bracket lower leg to steel angle brackets.
13. Drill 6mm hole in rear of grille near screw (each side). **See figure 8** . Insert zip tie into hole. Refit grille to vehicle using original top bolts. Attach to lower mounts through large hole without captive nut using installed zip tie. **Do not over tighten.**
14. Fit ECB LED indicator / park lights (supplied) into protection bar as per instructions supplied with the LED indicator kit. **NOTE: Ensure park light is to outside. See figure 9.**
15. Attach ECB fog lights to protection bar. Place M6 x 20 bolts, spring washers (supplied) through light mount from inside and attach nut to top. Slide assembly into light mount in Protection bar and centralize light to hole. **NOTE: Trim will sit flush with end of grille recess in centre of protection bar. Ensure trim is bent as far as possible into corners of recess. See figure 10.**
16. Fit 6mm clip lock trim (supplied) to rear of protection bar. **NOTE: Trim will sit flush with end of grille recess in centre of protection bar. Ensure trim is bent as far as possible into corners of recess. See figures 11, 12 and 13.**
17. Fit ECB alloy infill trims to top of channel using two M6 x 20 bolts, flat washers and nyloc nuts (supplied) (per side). **DO NOT TIGHTEN. See figure 14.** Fit 3mm clip lock trim (supplied) to top of infill trims. Trim ends to suit angle of infill.
18. Attach protection bar to inside of steel mounting brackets. Use six 1/2 x 1 1/2 bolts, flat and spring washers and nuts (supplied) **DO NOT TIGHTEN.**
19. Align protection bar with vehicle. **See figures 15 and 16. TIGHTEN ALL BOLTS.**
20. Align ECB alloy infill panels to underside of headlamp. **FIRMLY TIGHTEN ALL BOLTS**, over tightening may warp infill panels.
21. Connect indicator / park light wiring. **CHECK OPERATION.**
22. Connect fog lamps. **CHECK OPERATION.** Aim with low beam, **TIGHTEN IN POSITION.** Fit ECB fog light trims (supplied) to protection bar, wider part of trim to inside.
23. Install under body guard between mounts using four 3/8 x 1 1/2 bolts, flat washers, spring washers and nuts. **Tighten all bolts.**

NOTE: For turbo diesel models upper three air vents are to be fitted with ECB logo at bottom direct air onto turbo cooler.



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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:

- Do not attach VFPS to the vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts).
- Do not use this product for any vehicle make or model, other than those specified by the VFPS manufacturer.
- Do not remove the plaque or label from the VFPS.
- Do not modify the structure of the VFPS in any way.
- No accessory or fitment should project forward of the VFPS forward profile.
- 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 – Steel mounting bracket.	1 – ECB LED Indicator / Park light kit
1 – Pair steel angle mounting brackets.	2 – ECB fog lights.
2 – Alloy infill panels	2 – Fog light surrounds
1 – Alloy under body guard	6 – M6 x 20 bolts.
8 – 3/8 x 1 1/2 bolts.	10 – M6 flat washers.
8 – 3/8 nuts	2 – M6 spring washers.
16 – 3/8 flat washers.	4 – M6 nyloc nuts
8 – 3/8 spring washers.	2 – M6 nuts
4 – M12 x 1.5 x 35mm bolts.	10 – Cable locks
6 – 1/2 x 1 1/2 bolts.	1 – 1200mm length of 6mm clip lock trim
6 – 1/2 nuts	2 – 500mm length 3mm clip lock trim
16 – 1/2 flat washers.	2 – 150mm zip ties.
10 – 1/2 spring washers.	

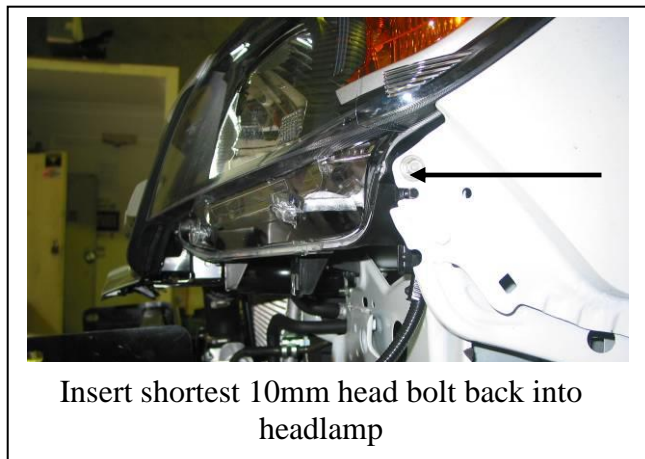


Figure 1 – Remove bumper support from under lights.

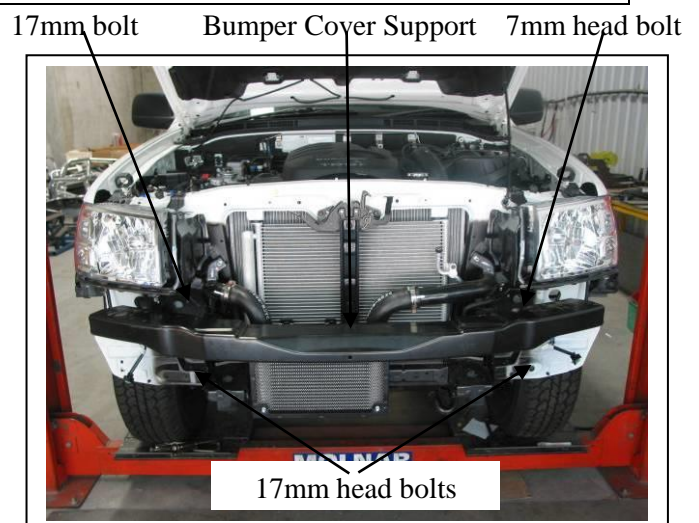


Figure2



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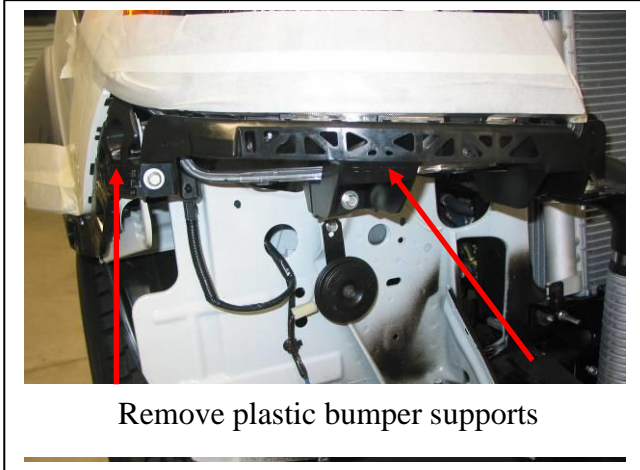
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Remove plastic bumper supports

Figure 3 - Light and guard prepared ready for painting

17mm head bolts

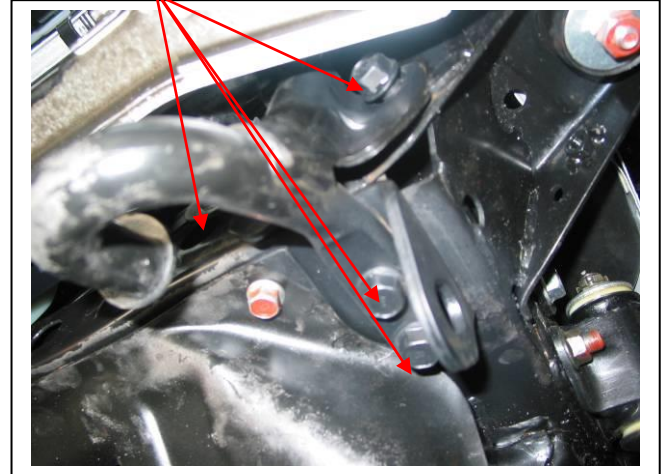
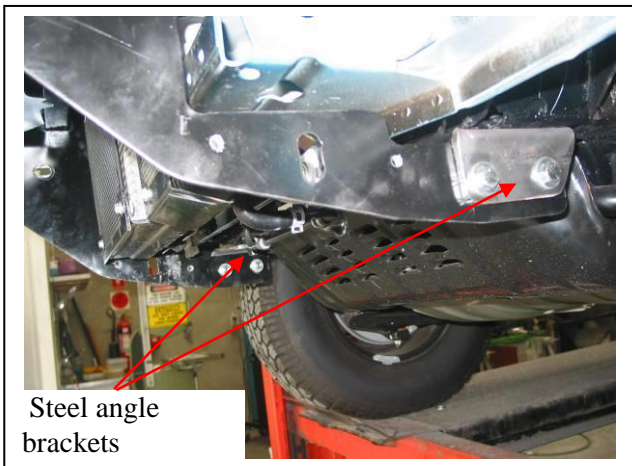


Figure 4 – Passenger side shown



Steel angle brackets

Figure 5

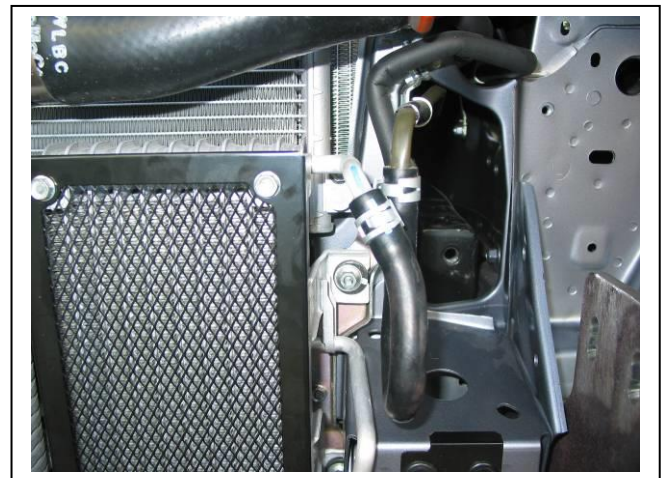


Figure 6

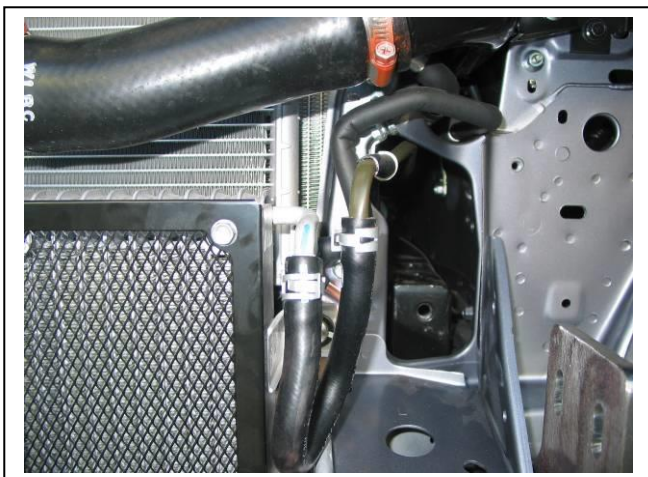


Figure 7



Figure 8



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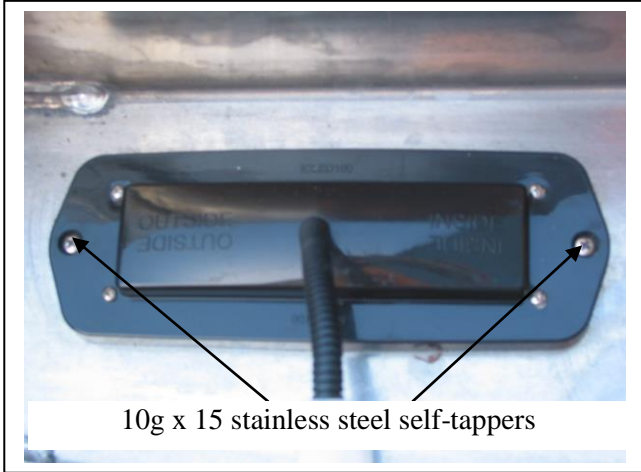
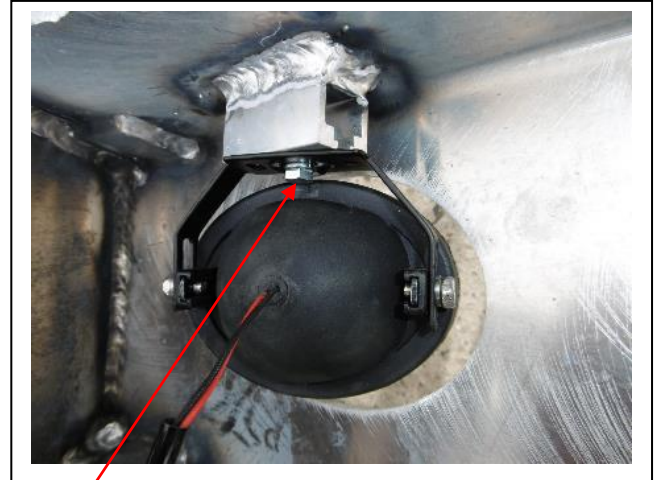


Figure 9



M6 bolt

Figure 10

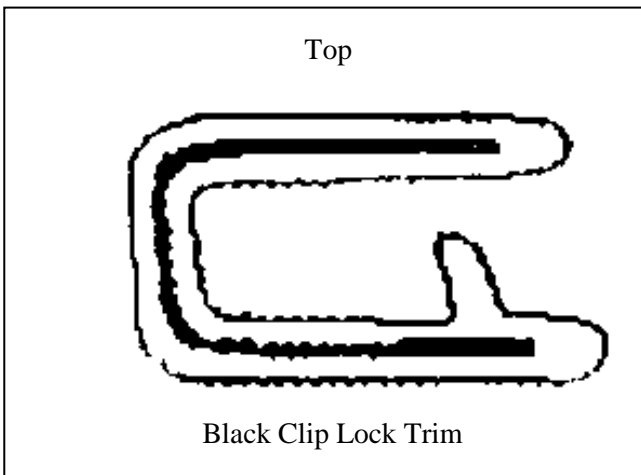


Figure 11

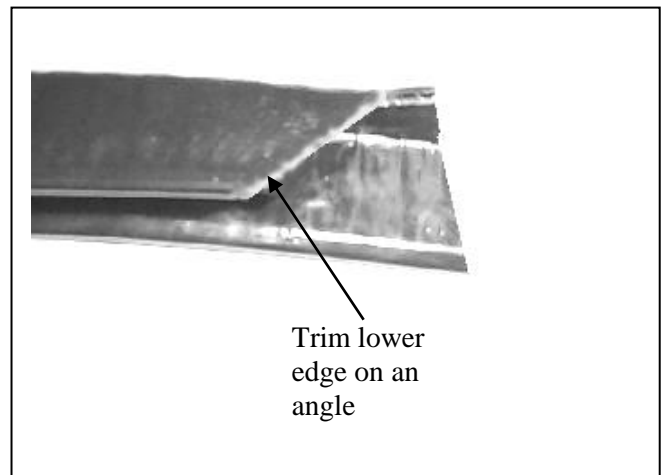


Figure 12

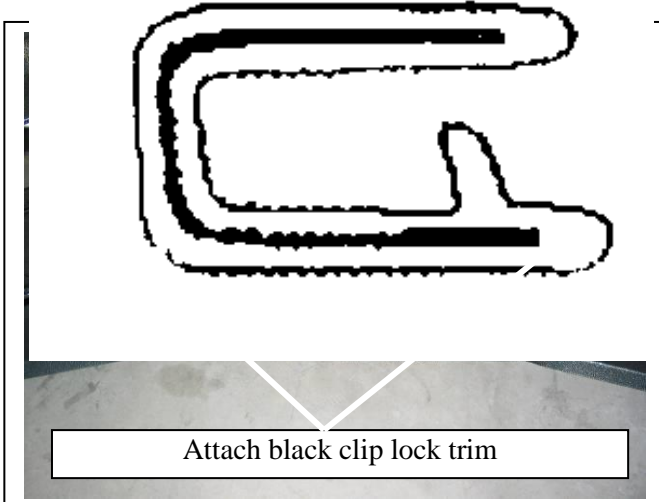


Figure 13



Figure 14



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Figure 15 – Front view shown



Figure 16 – Side view 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 Paid122
PO Box 122
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Fax to
(07) 3283 1168



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DESPATCH CHECKLIST BF70SY

ICZBKCF70



Work Order #	
Finish:	
Transport:	
Due Date:	

- 1 – Steel mounting brackets.
- 1 – Pair steel angle mounting brackets.
- 1 – 3mm alloy under body guard
- 2 – 3mm alloy infill panels (black ripple for polished bars, powder coat to match all other bars)
- 1 – Bolt kit.
- 1 – ECB LED Indicator / Park light kit.
- 2 – ECB fog lights.
- 2 – Fog light surrounds.
- 1 – 1200mm length 6mm clip lock trim.
- 2 – 500mm length 3mm clip lock trim
- 2 – ECB overrides – **Fitted to Bar**
- 6 – 6mm air scoops – **Fitted to Bar**

**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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