



**WORLD'S BEST
ALLOY BULLBARS**

East Coast Bullbars (ECB Pty Ltd)

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BT180SY FITTING INSTRUCTIONS

REPLACES: 00.00.00
REVISED: 01.09.14

TOYOTA HIACE LWB 3-2014 ON BIG TUBE PROTECTION BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Lift bonnet. Remove grille, two PK self-tapers and four plastic push pull clips at top. Pull grille out at top to access fixed grille clips into top of bumper cover. Release clips and pull grille forward.
2. Remove bumper cover: Remove plastic step infills four plastic push pull clips per infill, **see figure 1**. Remove one plastic clip from top of bumper cover, remove two plastic clips at bottom of side returns (each side) and three plastic clips from lower bumper cover, and remove three 10mm head bolts from centre air intake area of bumper cover. Pull bumper cover out at side returns to release off clips, **see figure 2**. Pull forward off locating tabs (two) near lower inner headlight area. **See figure 3**.
3. Remove lower and upper steel bumper cover support from chassis. Ten 14mm head bolts, one 10 mm head bolt. **See figure 4**.
4. Remove two 12 mm head bolts (each side) from front of chassis and remove steel keepers, on passenger side remove temperature sensor from keeper. **See figure 5**.
5. Flatten two mounting tabs (each side) at front of chassis. **See figure 6**.
6. Remove horn and flatten side of horn mount. **See figure 7**.
7. Fit and level steel mounting brackets (supplied) to front of chassis between upper and lower steel supports and end of rail. Use M10 x 35 bolt, flat washer and spring washer (supplied) into original 10mm captive nut. Centralise steel mounts to front of vehicle ensure steel mounting brackets are set at correct measurement for protection bar to mount on outside of steel mounting brackets (check protection bar measurement) Tighten bolts. **See figure 8**.
8. On passenger side steel mount place temp sensor into hole, then using zip tie wrap around sensor **See figure 9**.
9. On passenger side (outside of rail) fit tow hook , two M10 x 35 bolts, flat washers, spring washers and nuts into bottom holes in front steel mount. **CAUTION**. Place steel backstop (supplied) between radiators and chassis rail so drill can not damage radiators. Using 10 mm drill bit, drill through chassis rail. Remove tow hook and enlarge outside holes in rail to 18 mm. **See figures 10, 11 and 12. Blow filings clear and treat all exposed metal with a rust inhibitor**. Refit tow hook to vehicle using same bolts in front holes and two 3/8 x 4 1/2 inch bolts, flat washers, tube spacers (87 mm and 80 mm) and nyloc nuts in chassis holes. **NOTE**. Tube spacers are different lengths, long tube spacer is for top hole in rail.
10. Remove headlights, three 10mm head bolts. Disconnect indicator and parking lights on vehicle. Install ECB quick click wiring harnesses (supplied) between disconnected harness and indicator / park lights on vehicle. Run wiring out from under lights ensuring clearance from sharp edges and moving parts. Refit headlights.
11. Using measurement from steel mount in step six transfer it to inside of front bumper, carefully mark and cut front bumper, grille and top grille to fit over steel mount. **See figures 13, 14, and 15**.



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12. Drill 25 mm hole in bumper blanking trim for park / indicator wire to go through to protection bar **See figure 16.**
13. Refit bumper carefully over steel mount in the reverse step of 1.
14. Fit ECB LED indicator / park lights into protection bar as per instructions supplied with the LED indicator kit.
NOTE: Ensure park light is to outside. See figure 17.
15. Attach 6mm clip lock trim (supplied) to top of ECB protection bar. **NOTE:** Trim off lower edge on an angle so trim will sit flush with end of protection bar. **See figures 18, 19 and 20.**
16. Fit protection bar onto steel mount and fix with bolts supplied six M12 x 40 bolt, flat washers, spring washers and nuts. Align protection bar with vehicle and tighten bolts. **See figures 21 and 22.**

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 ECB Steel mounts	18 – M10 Flat washers
1 – Tow hook	12 – M10 spring washers
1 – Back stop (80 x 200 x 1.6 mild steel)	2 – 3/8 x 4 1/2 Bolts
1 – 80 mm Steel spacer tube (10 NB)	2 – 3/8 nyloc nuts
1 – 87 mm Steel spacer tube (10 NB)	1 – ECB LED Indicator / Park light kit
6 – M12 x 40 Bolts	1 – Quick click harness kit (IC14TOHIAINDH)
12 – M12 flat washers	1 – 6 mm length clip lock 1900mm long
6 – M12 spring washers	2 – 6 mm length clip lock 650mm long
6 – M12 nuts	1 – 150mm zip tie
12 – M10 x 1.25 x 35 Bolts	



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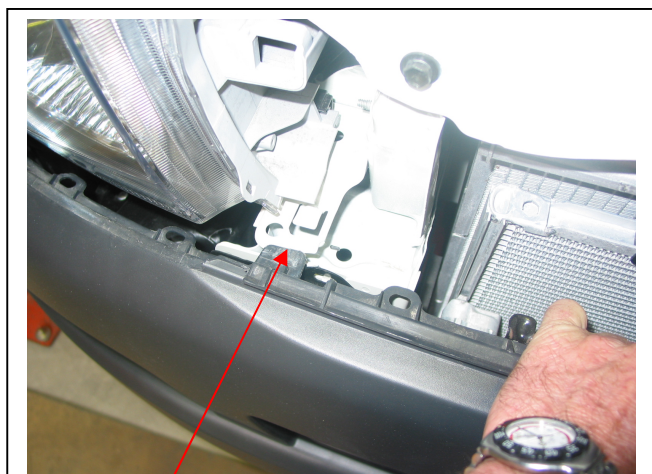
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Figure 1 – Shown removing passenger side step infill.

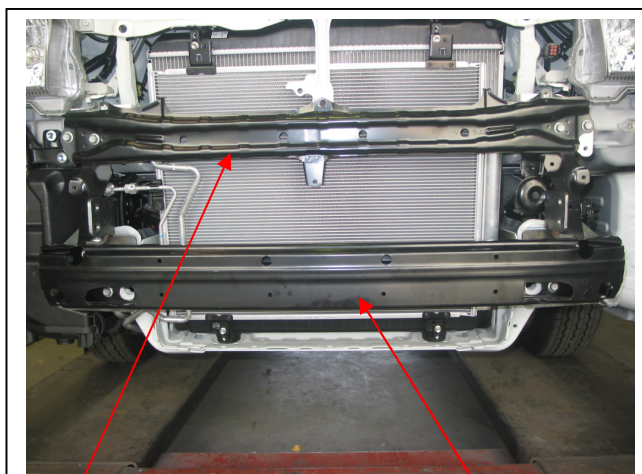


Figure 2



Locating tabs

Figure 3



Steel bumper
cover support
upper

Figure 4

Steel bumper
cover support
lower

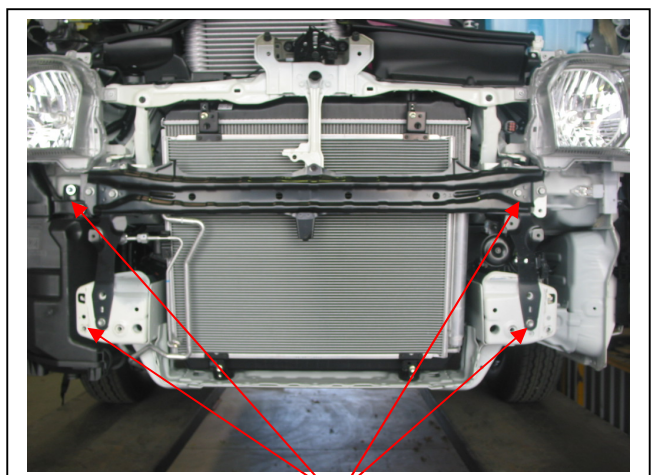


Figure 5

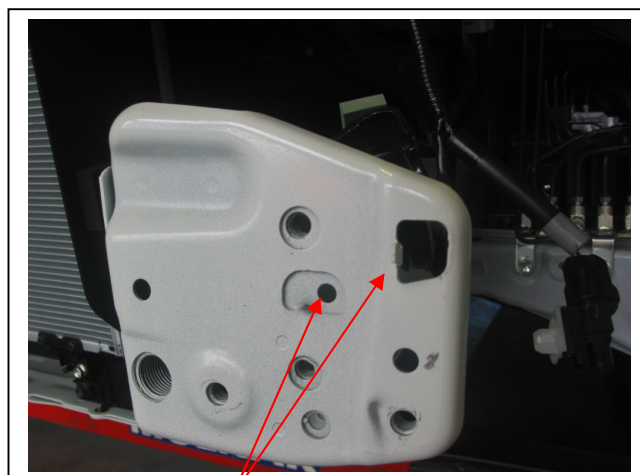


Figure 6 – flatten two tabs per side .



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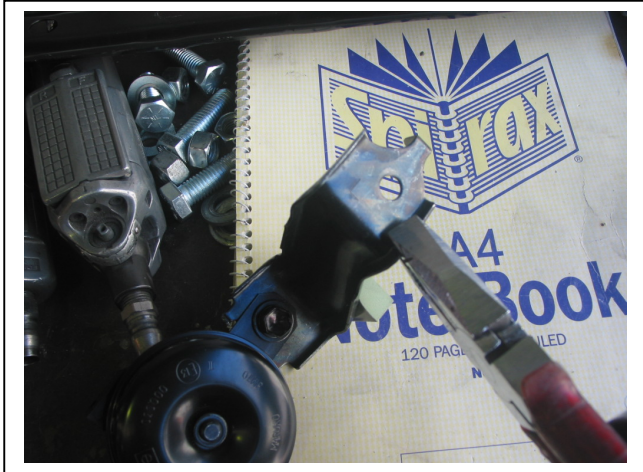


Figure 7



Figure 8

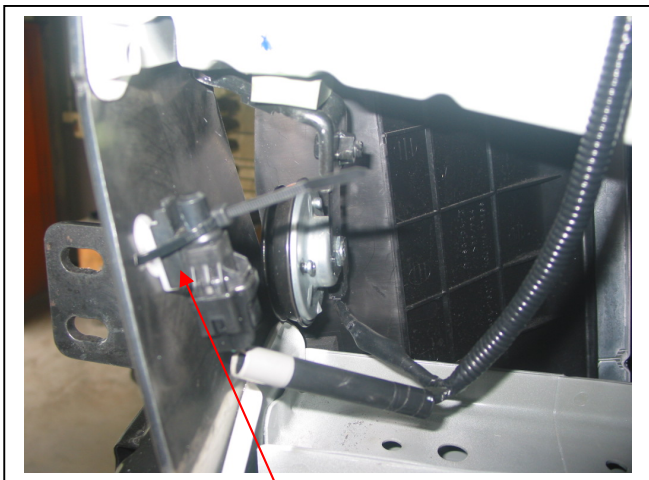


Figure 9



Figure 10 – Steel backstop (supplied).

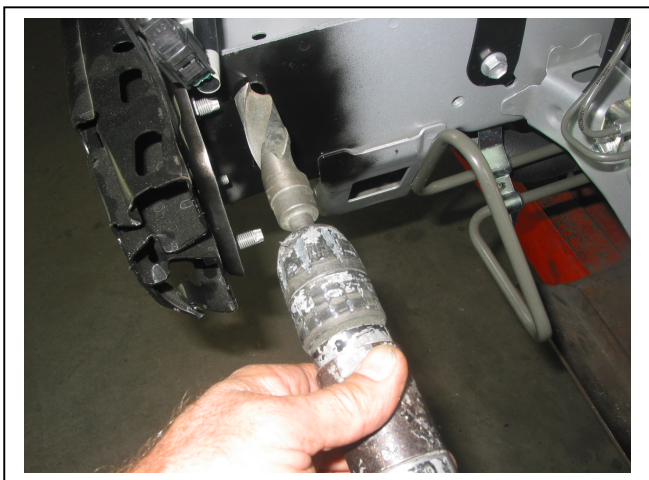


Figure 11

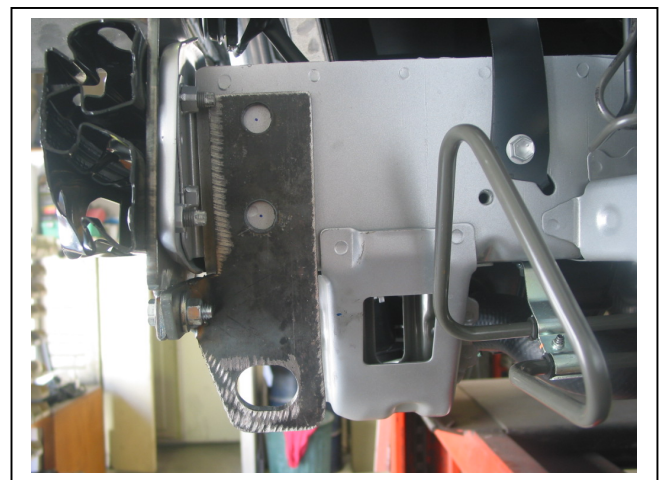


Figure 12



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Figure 13 – Cut end off grille.

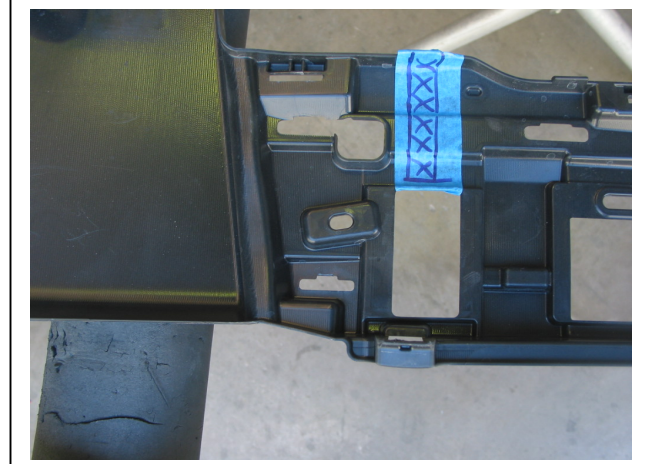


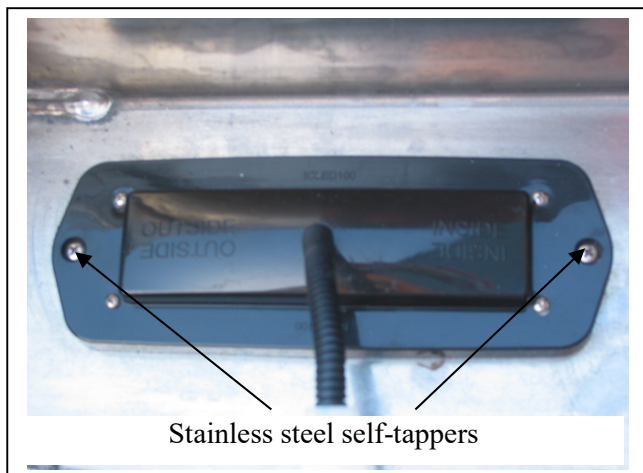
Figure 14 – Cut bumper to fit over steel mount.



Figure 15 – Area that needs to be cut to fit over steel mount.

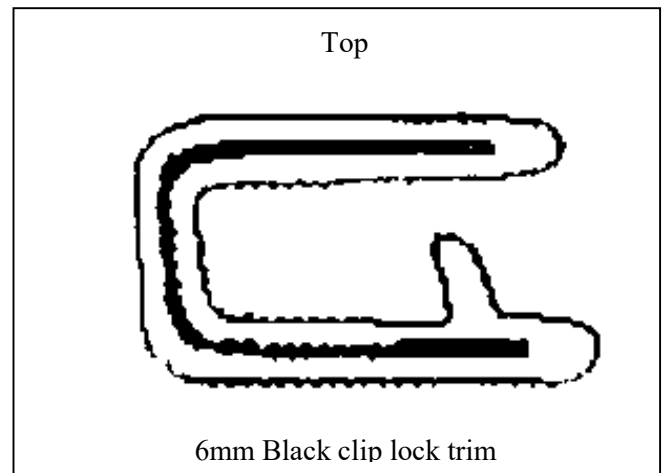


Figure 16



Stainless steel self-tappers

Figure 17



6mm Black clip lock trim

Figure 18



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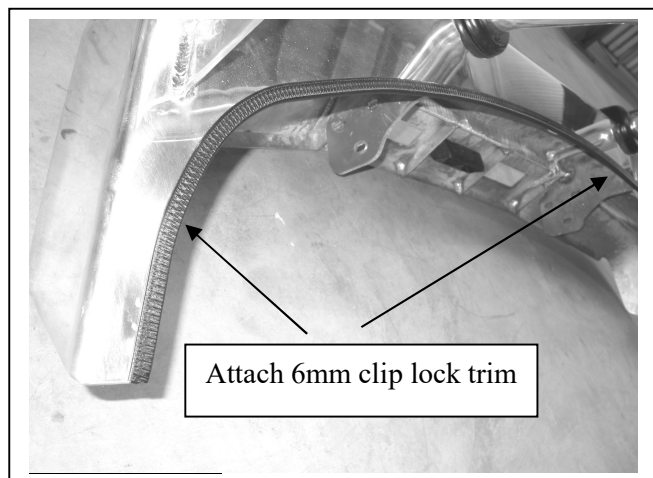


Figure 19

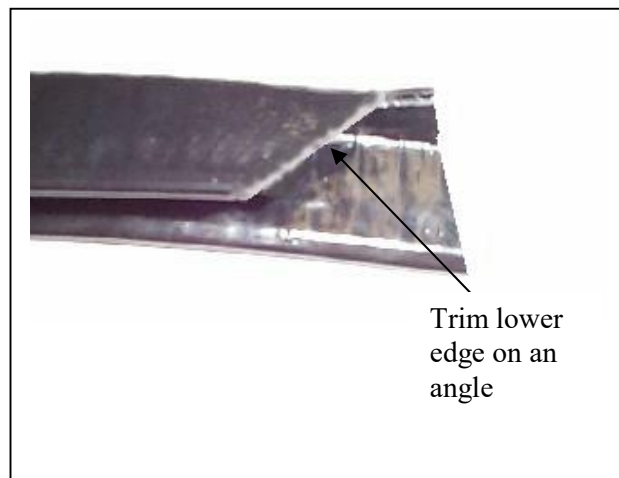


Figure 20



Figure 21 – Front view



Figure 22 – 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

PO Box 122

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Fax to

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DESPATCH CHECKLIST BT180SY

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

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

OC.....1- Tow hook

BK.....1- Back stop

BK.....1 – Bolt Kit.

BK.....1 – LED ECB indicator / park light kit.

BK.....1 – Quick click harness kit (IC14TOHIAINDH)

BK.....1 – 1900mm length 6mm clip lock trim

BK.....2 – 650mm length 6mm clip lock trim

OC.....2 – ECB Overrides – **Fitted to Bar**

OC.....4 – 3mm Air Vents – **Fitted to Bar**

_____/_____
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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