



**WORLD'S BEST
ALLOY BULLBARS**

East Coast Bullbars (ECB Pty Ltd)

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BH18SY

REPLACES: 08.02.10

REVISED: 09.07.10

FITTING INSTRUCTIONS

VE COMMODORE (SS AND SV) 09/06on BIG TUBE™ PROTECTION BAR WITH FOG LIGHTS VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Remove under bumper skid plate. Four 7mm head bolts and nine push pull plastic clips are located behind the skid plate at the base of the plastic inner guard.
2. Remove two push pull plastic clips (per side) from where inner guard attaches to bumper cover return.
3. Pull inner guard back and remove two 10mm head bolts per side retaining to top of bumper cover return.
4. Lift bonnet and remove two 10mm head bolts and two push pull clips along top of grille.
5. Remove bumper cover: holding side of bumper cover return outwards, under headlight firmly pull bumper cover away from clips under headlight. Repeat for other side and remove bumper cover. **See figure 1.**
6. Remove plastic bumper cover support from front of alloy cross member. Two 10mm head bolts and two push pull clips.
7. Unbolt windscreen washer bolts from rear of alloy cross member. **NOTE:** A deep socket is best suited for removing the three 10mm head bolts. Use caution near radiator; position a thin piece of metal or cardboard between ratchet and radiator to ensure no damage.
8. Remove alloy cross member from front of chassis. Six 13mm head bolts and two 10mm bolts from underside front of chassis rails.
9. Slide steel mounting brackets (supplied) over alloy cross member and align all holes in steel mounting brackets to centre of holes in alloy cross member. Mark and drill 10mm holes both sides as per **figure 2**. **NOTE:** Holes drilled on underside of cross member, not on top.
10. Attach steel mounting brackets (supplied) to alloy cross member using 3/8 x 2 bolts, 3/8 nut plate on wire, flat and spring washers (supplied). **TIGHTEN BOLTS/NUTS.**
11. Drill 10mm holes in top of alloy cross member using steel mounting brackets as a guide, attach with 3/8 x 1 ¼ bolts and washer on 400mm wire, 3/8 nuts, flat and spring washers (supplied). **See figure 3. TIGHTEN BOLTS.**
12. Drill two 10mm holes through alloy cross member from the back to the front using steel mounting brackets as a guide. Turn alloy cross member over and drill two 25mm holes through front and centre web to allow a 14mm socket to fit through. **NOTE:** You may use a hole-saw or die grinder to achieve a 25mm hole. **See figures 4 and 5.**
13. Fit lower steel mount brackets to under side of chassis. Use 3/8 x 1 ¼ bolts with washer on wire, nuts, flat and spring washers (supplied). Line up straight with lip on chassis and **TIGHTEN BOLTS. See figure 6.**



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14. Using lower steel mounting bracket as a guide, drill a 10mm hole through rear of bracket. Attach with 3/8 x 1 1/4 bolt with washer on 400mm wire, nuts, flat and spring washers (supplied). **See figure 7. FINGER TIGHTEN ONLY.**
15. Trim plastic air dam using sharp knife, die grinder or similar, to allow fitment of steel mounting brackets. **See figures 8 and 9.**
16. Fit steel mounting brackets and alloy cross member to front of chassis using six M8 x 1.25 x 30mm bolts, flat and spring washers (supplied) and four 3/8 x 1 1/2 bolts, nuts and flat and spring washers (supplied) **LOOSELY TIGHTEN BOLTS AT THIS POINT.**
17. Refit windscreen washer bottle to rear of cross member using original bolts. **NOTE:** Use caution near radiator, position a thin piece of metal or cardboard between ratchet and radiator to ensure no damage.
18. Attach lower steel mounting brackets (supplied) to main steel mounting brackets. Use two 3/8 x 1 1/2 bolts, nuts, flat and spring washers (supplied). **TIGHTEN ALL BOLTS.**
19. **TIGHTEN ALL BOLTS** attaching steel mounting brackets and cross member to front of chassis.
20. Trim plastic bumper cover support approximately 8mm to fit over steel mounting brackets on cross member as per **figure 10.**
21. Refit under body skid plate using original clips prior to refitting bumper cover.
22. Refit plastic bumper cover support to front of cross member using original bolts and clips.
23. Trim rear of air vent section in bumper cover and grille assembly to fit over steel mounting brackets. Refer to **figure 11 and 12** for details.
24. Remove fog lights for indicator / park light wiring to feed through.
25. Splice indicator / park light wiring into original wiring at the back of the headlight using cable locks (supplied). Feed wiring down to come out where inserts were removed.
26. Refit bumper cover using original bolts and clips. **NOTE:** When reattaching bumper cover return to guard, it is easiest to loosely fit original nuts and bolt to bumper cover before refitting. **See figure 13.** Feed wiring through holes where inserts were removed.
27. Attach front of under body skid plate to front of bumper using original bolts. Ensure all other clips and bolts are refitted to top of bumper and plastic inner guard.
28. 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 14.**
29. 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.) **TIGHTEN FIRM ONLY. See figure 15.**
30. Fit 6mm clip lock trim (supplied) to rear of protection bar **NOTE:** Trim off end of 6mm trim on an angle so trim will sit flush with end of protection bar. **See figures 16.**



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31. Fit 3mm clip lock trim (supplied) to lower air vents in protection bar. **See figure 17.**
32. Ensure air vents in protection bar are directing air downwards.
33. Fit protection bar to outside of steel mounting brackets using 3/8 x 1 ¼ bolts, flat and spring washer (supplied) attaching to a 3/8 nut plate (supplied) on the outside of the protection bar.
34. Align protection bar with vehicle. Refer to **figure 18** for front view and **figure 19** for side view. **TIGHTEN ALL BOLTS.**
35. **Connect indicator / park light wiring and check for correct operation.** Fit fog light trims to Protection bar, large side to inside.

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

2 – Steel mounting brackets	6 – 8mm flat washers.
2 – Lower steel mounting brackets	6 – 8mm spring washers.
2 – 3/8 x 2 bolts.	2 – M6 x 20 bolts
6 – 3/8 x 1 ¼ bolts with washer on 400mm wire.	2 – M6 flat washers
6 – 3/8 x 1 ½ bolts.	2 – M6 spring washers
6 – 3/8 x 1 ¼ bolts.	2 – M6 nuts
14 – 3/8 nuts	1 – ECB LED Indicator / Park light kit.
2 – 3/8 nut plates.	1 – Pair ECB Fog lights
32 – 3/8 flat washers	2 – Fog light surrounds
20 – 3/8 spring washers	1 – 2100mm length 6mm clip lock trim.
2 – 16 x 25 x 6mm 3/8 nut plate on 400mm wire.	2 – 430mm lengths of 3mm clip lock trim.
6 – M8 x 1.25 x 30 bolts.	10 – Cable locks.



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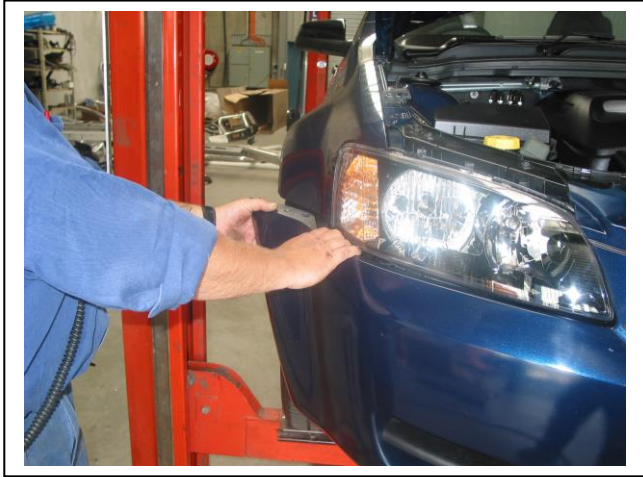


Figure 1

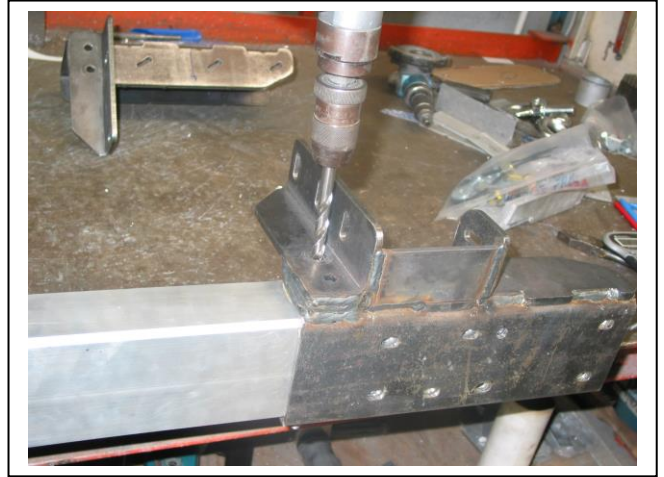


Figure 2

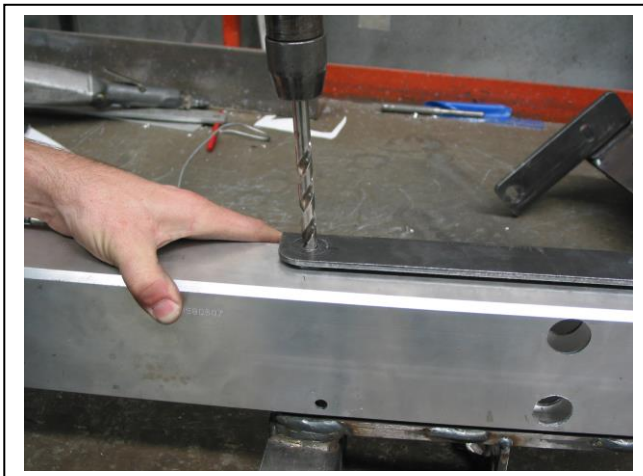


Figure 3

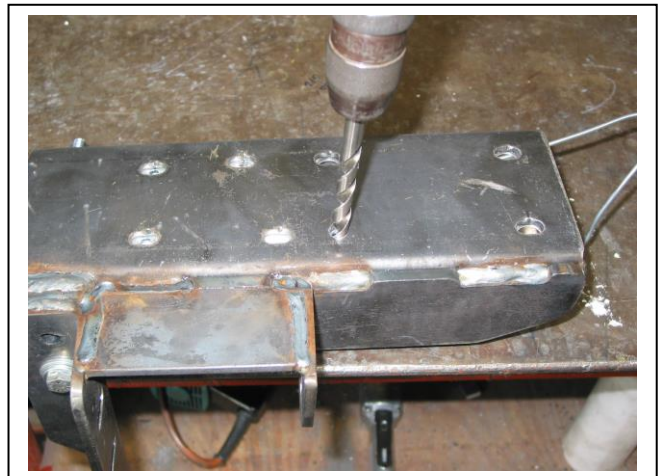


Figure 4

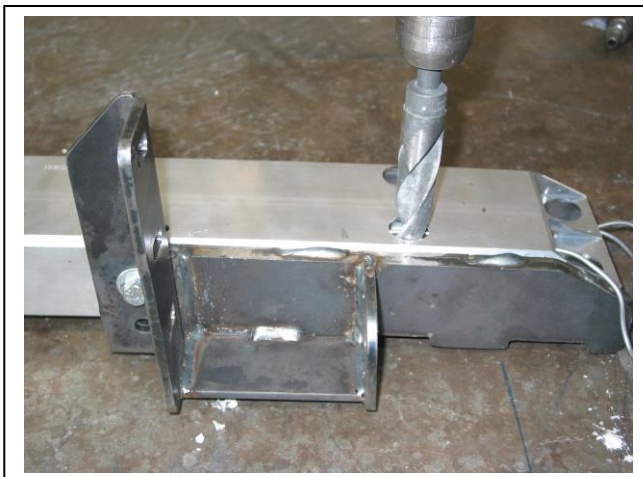
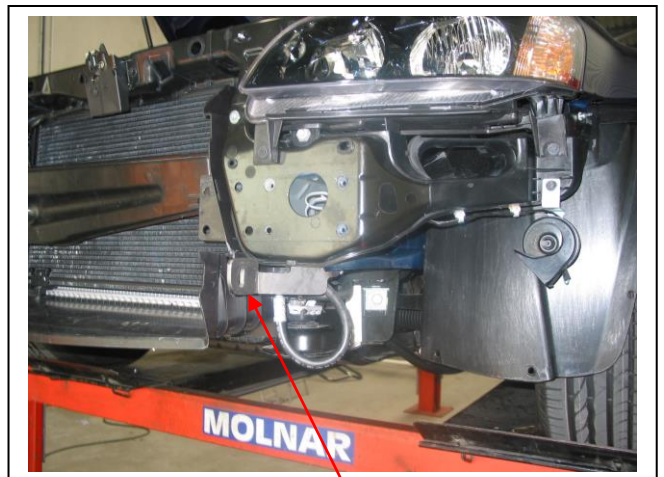


Figure 5



**Figure 6 –Lower Steel Mounting Bracket
Passenger's side shown**



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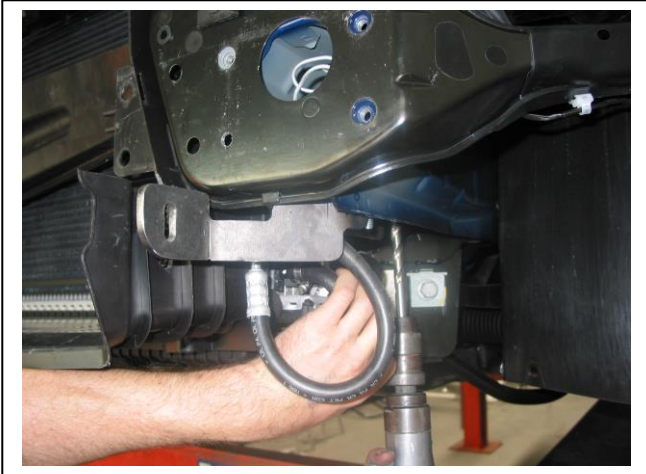


Figure 7 – Passenger's side shown

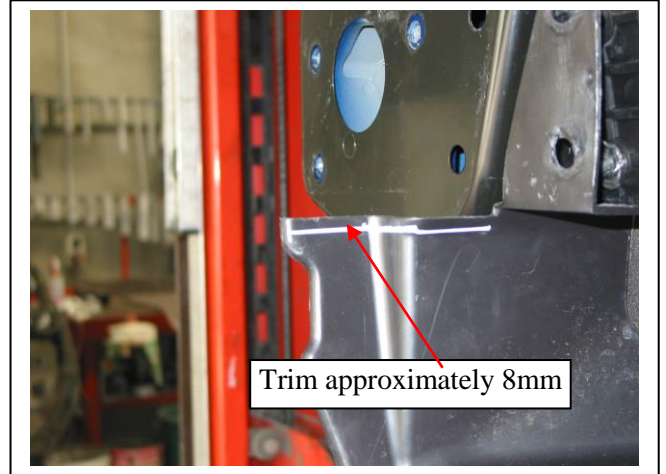


Figure 8 – Driver's side shown

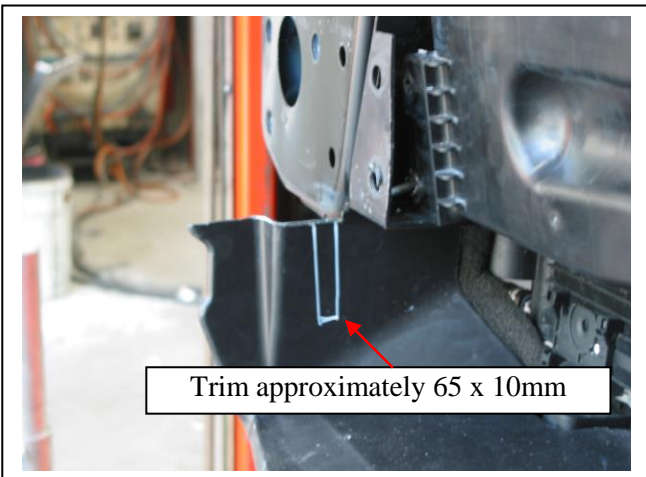


Figure 9 – Driver's side shown

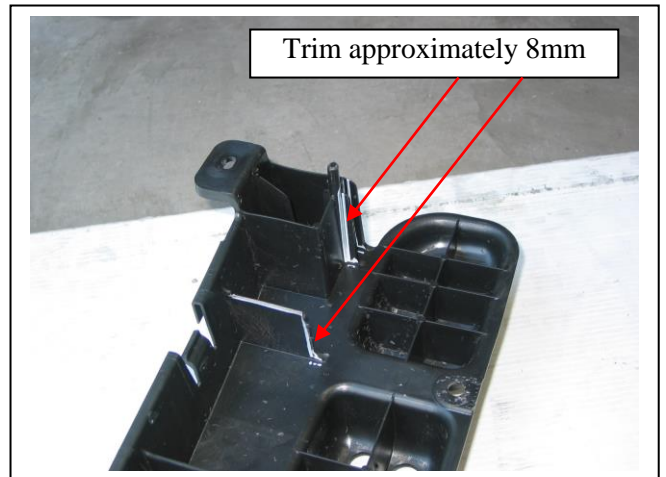


Figure 10 – Passenger side shown.

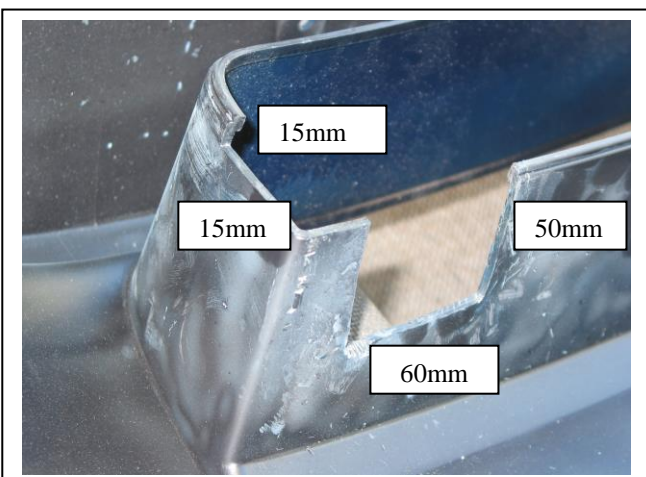


Figure 11 – Drivers side shown. **460mm apart from centre. Picture not to scale.**



Figure 12 – Grille trim to match bumper cut



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Figure 13 – Passenger side shown. Loosely fit original nuts and bolts to make it easier to refit bumper cover.

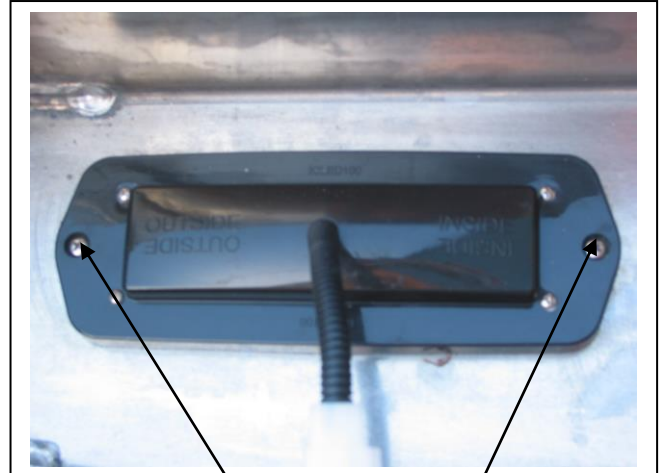


Figure 14
Stainless steel self-tappers

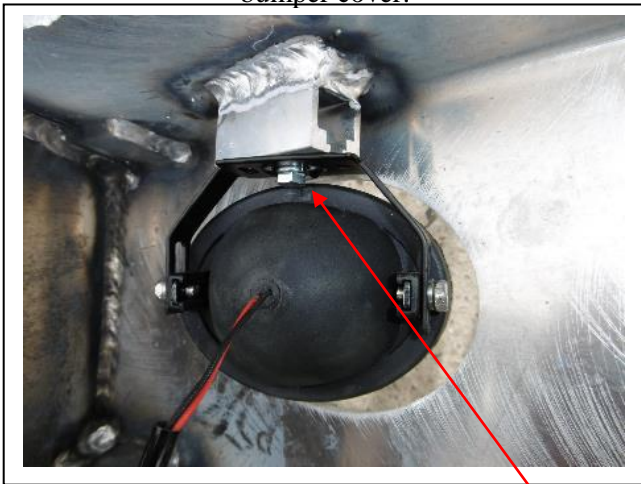


Figure 15 M6 Nut

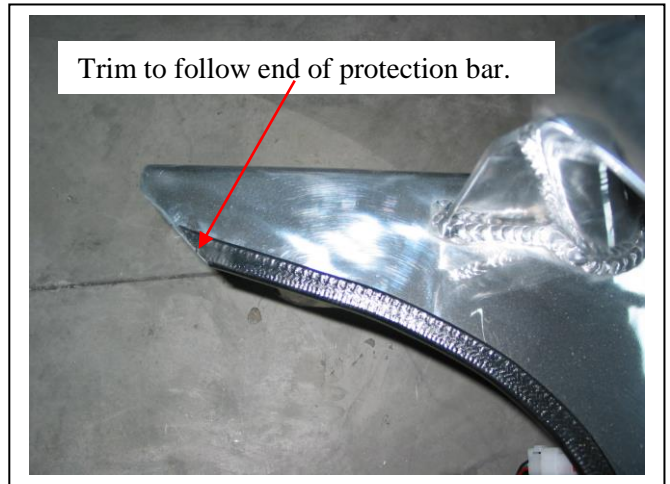


Figure 16 – Passenger side shown

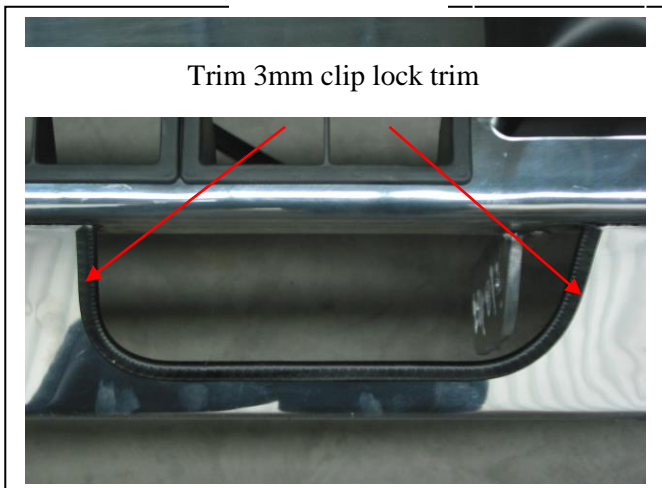


Figure 17 – Passenger side shown.



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Figure 18 – Front view shown



Figure 19 – 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 Paid 122
PO Box 122
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Fax to
(07) 3283 1168



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DESPATCH CHECKLIST BH18SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- OC.....2 – Steel mounting brackets.
- OC.....2 – Lower steel mounting brackets.
- BK.....1 – Bolt Kit
- BK.....1 – ECB LED Indicator / Park lights kit.
- BK.....1 – Pair ECB fog lights.
- BK.....2 – Fog light surrounds.
- BK.....1 – 2100mm length 6mm clip lock.
- BK.....2 – 430mm lengths 3mm clip lock trim.
- OC.....2 – ECB overrides – **Fitted to bar.**
- OC.....3 – 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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