



**WORLD'S BEST
ALLOY BULLBARS**

East Coast Bullbars (ECB Pty Ltd)

Tel: 07 3897 5700

Fax: 07 3283 1168

ecb@ecb.com.au www.ecb.com.au

29 Snook St
Clontarf QLD 4019
Australia

Po Box 122
Margate QLD 4019
Australia

NBH20SY

REPLACES: 00.00.00

REVISED: 06.01.11

FITTING INSTRUCTIONS

VE COMMODORE Series 2 SV6, SS AND SSV 76mm NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Remove under bumper skid plate. Six 7mm head bolts and four push pull plastic clips and four 13mm head bolts 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. Disconnect fog lights (if fitted).
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 10 mm head bolts on underside rear of chassis.
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. Trim plastic air dam using sharp knife, die grinder or similar, to allow fitment of steel mounting brackets. **See figure 4.**
13. 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). **LOOSELY TIGHTEN BOLTS AT THIS POINT.**
14. 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.



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15. **TIGHTEN ALL BOLTS** attaching steel mounting brackets and cross member to front of chassis.
16. Trim plastic bumper cover support approximately 8mm to fit over steel mounting brackets on cross member as per **figure 5**.
17. Refit under body skid plate using original clips prior to refitting bumper cover.
18. Refit plastic bumper cover support to front of cross member using original bolts and clips.
19. Trim rear of air vent section and grille in bumper cover to fit over steel mounting brackets. Refer to **figures 6 and 7** for details.
20. 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 8.** Connect fog lights.
21. 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.
22. Fit protection bar to outside of steel mounting brackets using four 3/8 x 1 1/4 bolts, nuts, flat and spring washers (supplied).
23. Align protection bar with vehicle. Refer to **figure 9** for front view and **figure 10** for side views. **TIGHTEN ALL BOLTS.**

ENSURE NUMBER PLATE IS CLEARLY VISABLE

ENSURE THESE INSTRUCTIONS ARE LEFT WITH VEHICLE OWNER AND/OR OPERATOR

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 | 8 – 3/8 spring washers |
| 2 – 3/8 x 2 bolts. | 2 – 16 x 25 x 6mm nut plate on 400mm wire. |
| 4 – 3/8 x 1 1/4 bolts and washers on 400mm wire. | 6 – M8 x 1.25 x 30 bolts. |
| 4 – 3/8 x 1 1/4 bolts. | 6 – 8mm flat washers. |
| 6 – 3/8 nuts | 6 – 8mm spring washers. |
| 12 – 3/8 flat washers | |



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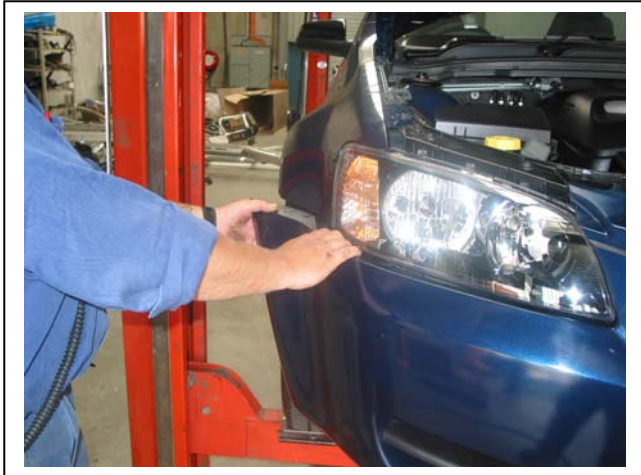


Figure 1



Figure 2

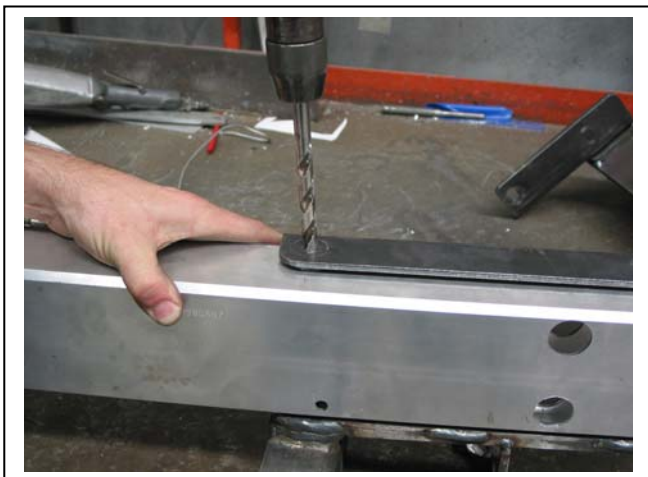
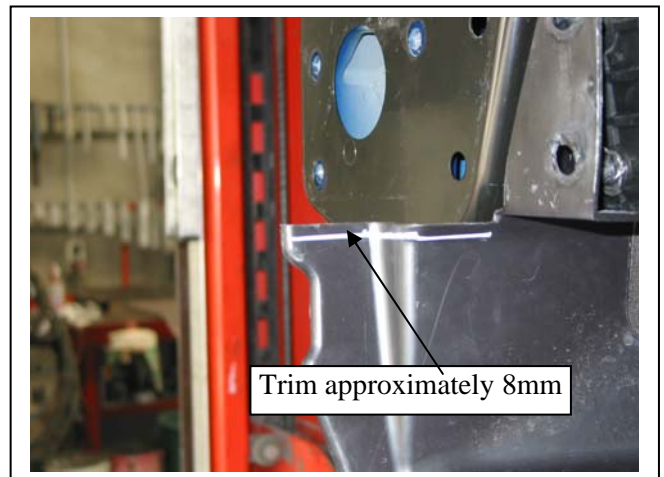
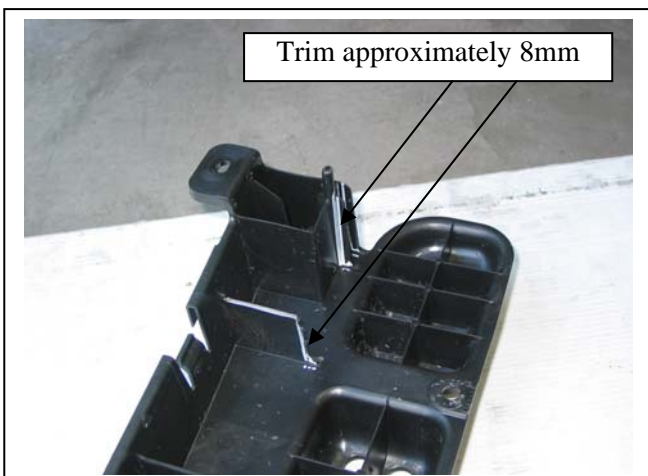


Figure 3



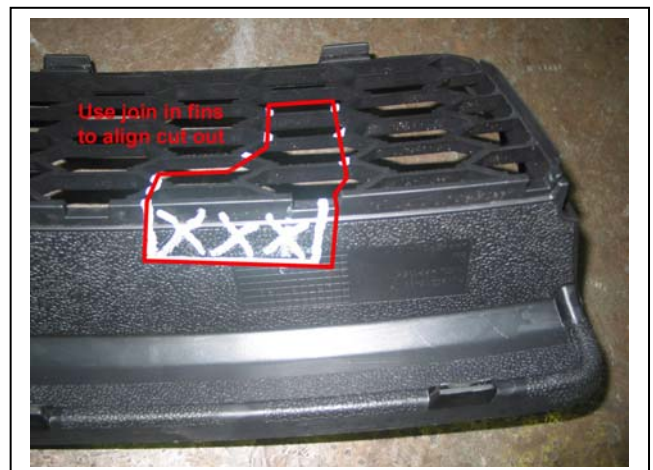
Trim approximately 8mm

Figure 4 – Driver's side shown



Trim approximately 8mm

Figure 5 – Passenger side shown.



Use join in fins
to align cut out

Figure 6 – Grille trim. Note: grille on this model is larger than previous model.



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Figure 7 – view from top inner of completed trim.



Figure 8 – Passenger side shown. Loosely fit original nuts and bolts to make it easier to refit bumper cover.



Figure 9 – Series 2 front view shown



Figure 10 – Series 2 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
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DESPATCH CHECKLIST NBH20SY

| | |
|--------------|--|
| Work Order # | |
| Finish: | |
| Transport: | |
| Due Date: | |

- 1 – Pair steel mounting brackets.
- 1 – Bolt Kit.



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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