



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

NBSY31SY

REPLACES: 22.12.08
REVISED: 21.08.10

FITTING INSTRUCTIONS

SSANGYONG ACTYON 2008on 76mm NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Using paper masking tape, cover lower 300mm by 300mm section of plastic bumper cover to outside of vertical lines on front of plastic bumper cover.
2. Cut carefully around template supplied. **See figure 3.** Measure template to ensure correct as some printers may vary the template size.
3. Align template with pressed vertical line in front of plastic bumper cover (**See figures 1 and 2**) and lower edge of plastic bumper cover. Mark centre section of cut out onto plastic bumper cover using a marking pen.
CAUTION: Measure template and Check your markings carefully.
4. Using a jigsaw, cut marked section from plastic bumper cover.
5. Remove four 12mm head bolt and remove plastic under body guard.
6. Remove lower 17mm bolt and nut on front of chassis rail on both sides. **See figure 4.**
7. Fit ECB steel mounting brackets (supplied) to hole where bolts previously removed using $\frac{1}{2}$ x $1\frac{1}{2}$ bolt, flat washers, spring washers and nuts (supplied). **FINGER TIGHTEN ONLY. See figure 5.**
8. Place thick soft cloth on area in front of vehicle. Lay ECB protection bar on cloth with legs of protection bar under front of vehicle to outside of mounts.
9. Attach rear of ECB protection bar to rear hole in steel mounting brackets using $\frac{3}{8}$ x $1\frac{1}{2}$ bolts, flat washers, spring washers and nuts (supplied). **FINGER TIGHTEN ONLY. See figure 6.** Carefully swing ECB protection bar into position taking care not to allow rear edge of protection bar to contact plastic bumper cover of vehicle. Install front $\frac{3}{8}$ x $1\frac{1}{2}$ bolts, flat washers, spring washers and nuts (supplied). **FINGER TIGHTEN ONLY protection bar enough to hold in position but still allow movement.**
10. Align Protection Bar with vehicle.
11. Using ECB steel mounting brackets as a guide, drill lower holes in chassis to 13mm. **See figure 7. Blow all filings clear and treat all exposed metal with a rust inhibitor.**
12. Install $\frac{1}{2}$ x $1\frac{1}{2}$ bolts, flat washers, spring washers and nuts into lower holes in ECB steel mounting brackets. **Tighten mounting bolts from ECB steel mounting brackets to vehicle.**
13. Check alignment of ECB Protection Bar to vehicle. **TIGHTEN ALL BOLTS. See figures 8 and 9.** Refit plastic under body guard to vehicle.



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

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 mounting brackets	4 – 3/8 x 1 1/2 bolts
4 – 1/2 x 1 1/2 bolts	8 – 3/8 flat washers
8 – 1/2 flat washers	4 – 3/8 spring washers
4 – 1/2 spring washers	4 – 3/8 nuts
4 – 1/2 nuts	

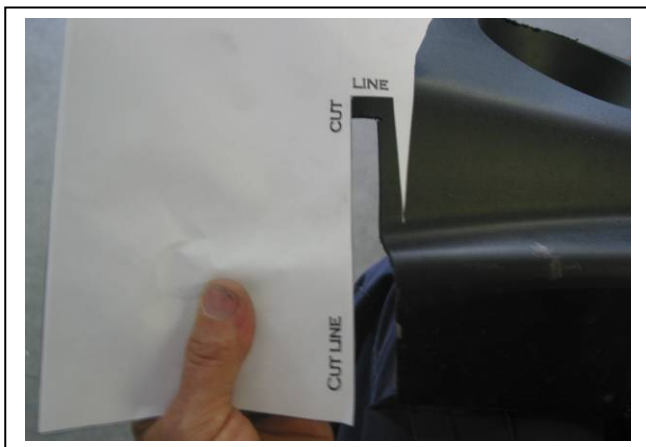


Figure 1: Template placed on bumper

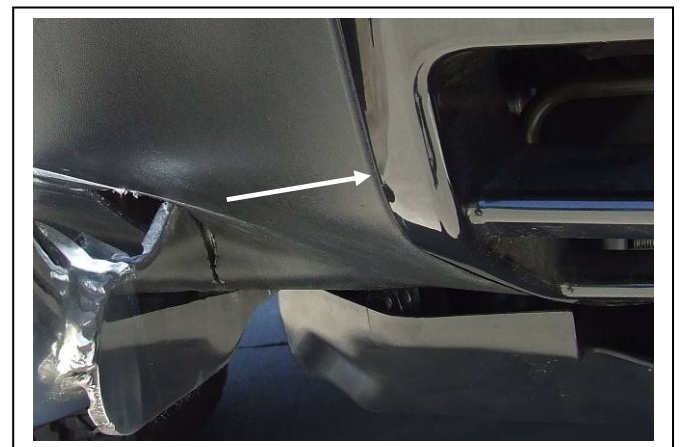


Figure 2: Alignment line on front of vehicle



WORLD'S BEST
ALLOY BULLBARS

East Coast Bullbars (ECB Pty Ltd)

Tel: 07 3897 5700

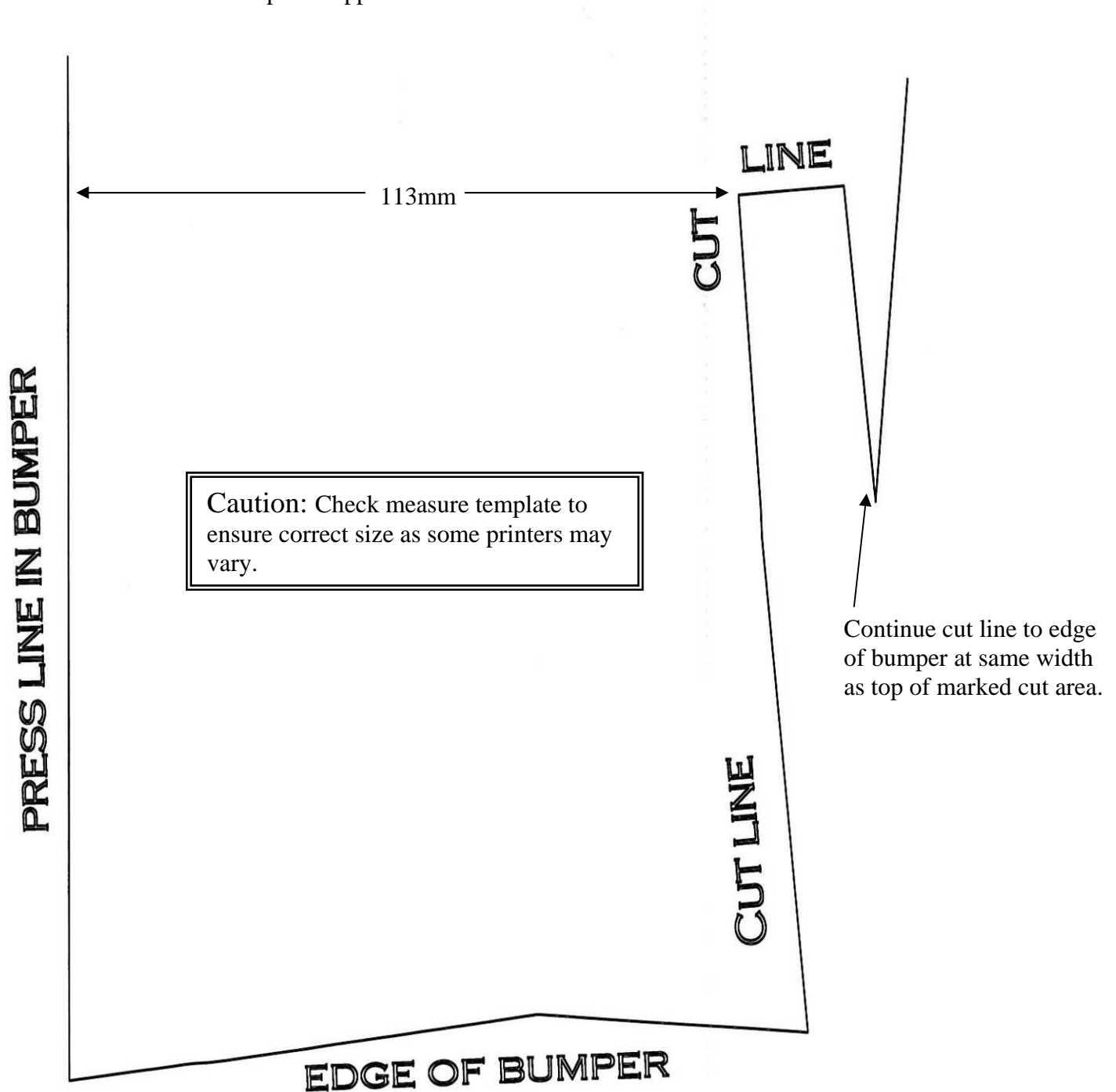
Fax: 07 3283 1168

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

29 Snook St
Clontarf QLD 4019
Australia

Po Box 122
Margate QLD 4019
Australia

Figure 3: Plastic bumper cover cut template. **Note:** Retain top of page as template support.





**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



**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

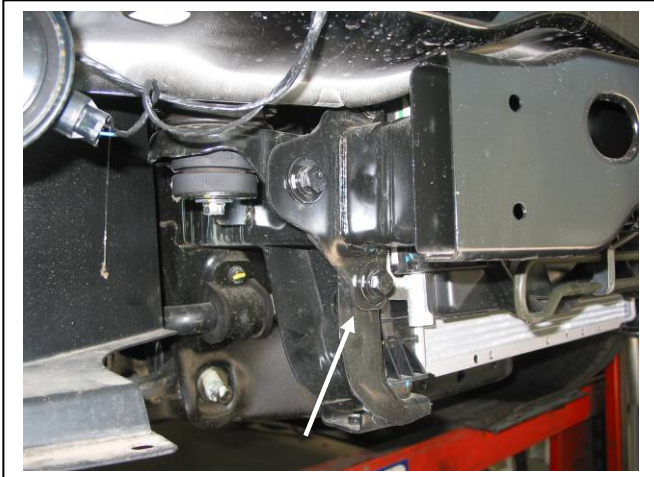


Figure 4: Remove lower bolt. Bumper removed for photo

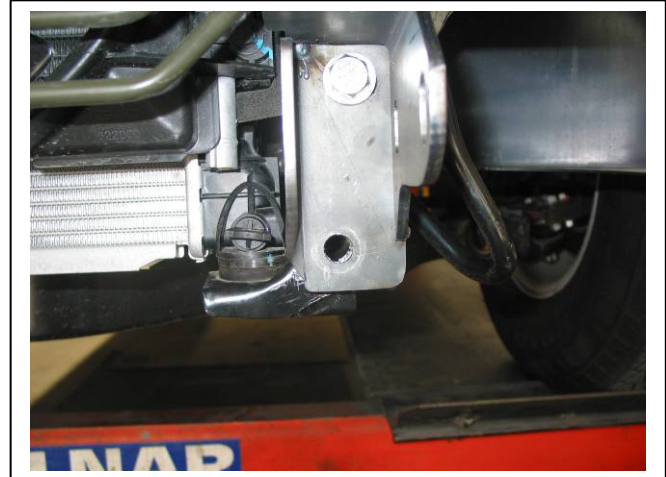


Figure 5: Fitting Steel mount onto chassis rail. Passenger's side shown with Bumper removed.

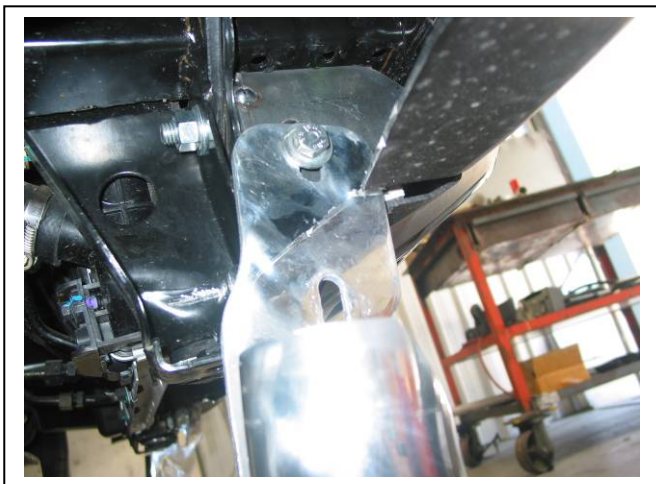


Figure 6: Protection Bar fitted to rear bolt on steel mounts



Figure 7: Drill lower holes in steel mount. Bumper removed for photo.



Figure 8: Front view



Figure 9: Side view



**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

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
Margate QLD 4019

Fax to
(07) 3283 1168



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

DESPATCH CHECKLIST NBSY31SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- 1 – Alloy protection bar.
- 1 – Pair steel mounting brackets.
- 1 – Bolt Kit

**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 __/__/__



**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

