



**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

NBHU48SY

REPLACES: 16.06.06

REVISED: 29.06.10

FITTING INSTRUCTIONS

HYUNDAI SANTA FE 05/06-10/09 76mm NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Remove under body skid plate, six 12mm head bolts. **See figure 1.**
2. Remove three PK clips from underneath / centre of bumper cover.
3. Remove two PK clips from underneath of inner bumper cover guard (per side) and one PK screw (per side) retaining to rear bumper cover side return.
4. Lift bonnet, remove six PK screw clips and two 10mm head bolts along the top of the bumper cover above radiator.
5. Remove bumper cover. At the rear of the bumper cover side return; pull bumper skin outwards from vehicle to unclip from guard. **See figure 2.** Repeat opposite side. Disconnect original fog light wiring at back of light. Holding bumper cover in centre, pull out to remove bumper cover. **NOTE:** There is a couple of locating lugs under headlights that may hold the bumper cover, gently wriggle and pull to release.
6. Remove and discard retaining bolts for cross member from front of chassis on driver's side; four 12mm head bolts and two 10mm head bolts. On passenger side, loosen bolts only; four 12mm head bolt and one 10mm head bolt, to allow cross member to move forward approximately 20mm on driver's side.
7. Drivers side; slide steel mounting bracket (supplied) in behind cross member from underneath. Attach with four M8 x 30 x 1.25 bolts with flat and spring washers (supplied) and two M6 x 25mm bolts with flat and spring washers (supplied). **FINGER TIGHTEN ONLY.** Use one 3/8 x 1½ bolt with flat and spring washers (supplied) through front of cross member with 40 x 3/8 nut plate on wire (supplied) inside cross member. **FINGER TIGHTEN ONLY. See figure 3.**
8. Passenger side; remove bolts that were previously loosened retaining cross member. Slide steel mounting bracket (supplied) in behind cross member from underneath. Attach with four M8 x 30 x 1.25 bolts with flat and spring washers (supplied) and one M6 x 25mm bolt with flat and spring washers (supplied).
9. Centre steel mounting brackets to slots, use the protection bar as a guide for distance. **NOTE:** The protection bar is mounted to the outside of the steel mounting brackets. Measure inside to inside on protection bar alloy mounts to get distance for steel mounting brackets, (outside to outside). Hold steel mounting brackets up firm against cross member and **TIGHTEN ALL BOLTS BOTH SIDES.** Crimp wire tight to cross member on drivers side and trim off excess to avoid rattling.
10. Passenger side; using the steel mounting bracket as a guide, mark and drill in the centre of the slot **See figure 4.** **NOTE:** When drilling start with a small pilot hole of 3mm, then enlarge to 6mm and finally 10mm. Treat all exposed metal with a rust inhibitor or similar. Use 3/8 x 1½ bolt with flat and spring washers up through cross member and 3/8 nut and washer on wire (supplied) to inside of cross member. Crimp wire tight to cross member on passenger side and trim of excess to avoid rattling. **TIGHTEN ALL BOLTS.**



**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

11. **Use masking tape to protect bumper cover where steel mounting brackets protrude through.** Refit bumper cover including all screws and clips securing it in place. Reconnect fog lights wiring.
12. Attach protection bar to steel mounting brackets. Use 3/8 x 1¼ bolts, flat and spring washers and nuts (supplied).
13. Align protection bar **see figure 5** for front view and **see figure 6** for side view. **TIGHTEN ALL BOLTS** on steel mounting brackets and protection bar.
14. Refit under body skid plate, using original bolts.

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.	2 – 3/8 x 1 ½ bolts.
8 – M8 x 30 bolts.	4 – 3/8 x 1 ¼ bolts.
8 – 8mm flat washers.	4 – 3/8 nuts.
8 – 8mm spring washers.	1 – 3/8 nut and washer on 200mm wire.
3 – M6 x 25mm bolt.	10 – 3/8 flat washers.
3 – 6mm flat washers.	6 – 3/8 spring washers.
3 – 6mm spring washers.	1 – 40 x 40 x 6mm x 3/8 nut plate on 200mm wire.



East Coast Bullbars (ECB Pty Ltd)

Tel: 07 3897 5700

Fax: 07 3283 1168

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

WORLD'S BEST ALLOY BULLBARS

29 Snook St
Clontarf QLD 4019
Australia

Po Box 122
Margate QLD 4019
Australia



Under body skid plate **Figure 1**



Figure 2

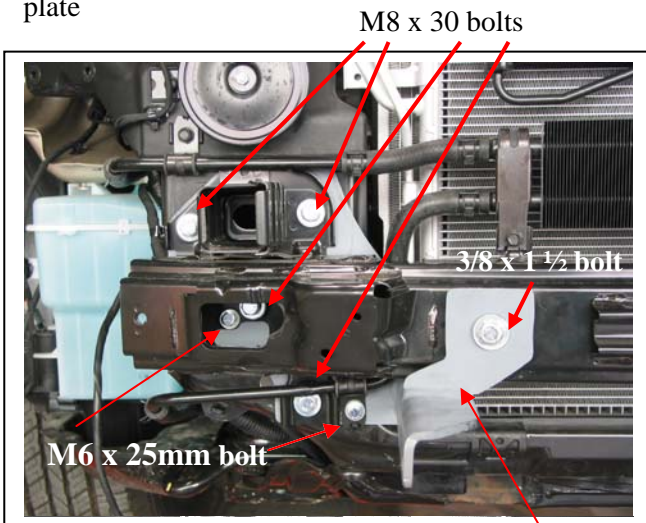


Figure 3 – Drivers side shown Slide steel mounting bracket behind cross member



Figure 4 Drill passenger side cross member. Start with small pilot hole



Figure 5 –Front view shown

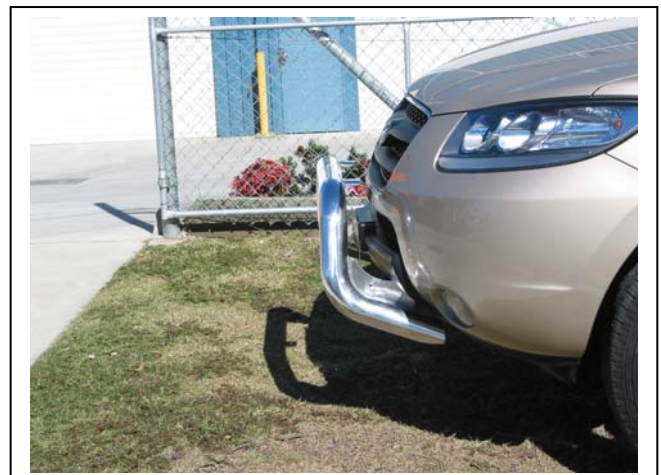


Figure 6 –Side view shown



**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 66
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

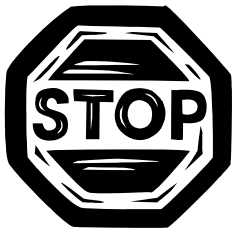
Po Box 122
Margate QLD 4019
Australia

DESPATCH CHECKLIST NBHU48SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- 2 – 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

