



WORLD'S BEST
ALLOY BULLBARS

East Coast Bullbars (ECB Pty Ltd)

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NBK48SY / NB6K48SY

REPLACES: 04.02.10
REVISED: 24.07.10

FITTING INSTRUCTIONS

KIA SORRENTO 10/09on 76mm NUDGE BAR AND 63mm SERIES 2 NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Open bonnet.
2. Remove four plastic screw clips and six 12mm bolts from front of plastic under side engine cover. Allow to hang. **See figure 1.**
3. Remove two 10mm head bolts and four plastic screw clips from top of grille section, one 8mm head screw (per side) from inner bumper wing and two plastic screw clips (per side) securing lower front of inner guard to plastic bumper. Carefully pull plastic bumper cover rearward and out from side of vehicle to release plastic clips from guard. Gently pull bumper forward to release from plastic clips under headlight. Disconnect fog lights, headlight washers (if fitted) and remove bumper.
4. Remove washer bottle from under passengers side guard, two 10mm head bolts. Slide forward to remove.
5. Using template to mark holes in lower front of chassis rails. **See Template (supplied).** Centre punch and drill holes to 10mm. **NOTE: Blow all fillings clear and treat all exposed metal with a rust inhibitor.**
6. Remove rubber bungs in underside and side of chassis rail. Insert 3/8 x 1 ½ bolt on 300mm wire (supplied) through large hole in side of chassis and out through hole in underside of chassis. **See figure 2.**
7. Install ECB steel mounting brackets (supplied) onto 3/8 bolt previously inserted into chassis, using flat washers, spring washers and nuts (supplied). **Finger tighten only.** Fit 3/8 x 1 ½ bolts, flat washers, spring washers and nuts (supplied) to remaining holes. **Finger tighten only.**
8. Align mounts to vehicle. **Tighten all bolts.**
9. Refit washer bottle ensuring it does not rub on bolt heads.
10. Refit Plastic bumper over ECB steel mounts to original specifications. See reverse of steps 1 and 2.
11. Trim under body guard 70mm (Series 2 Nudge Bar) or 85mm (76mm Nudge Bar) from side of steel mount, level with rear, out of under body guard using a hand saw or sharp knife. **See figure 3.**
12. Refit under body guard to original specifications.
13. Fit ECB protection bar to ECB steel mounting brackets using 3/8 x 1 ½ bolts, flat washers, spring washers and nuts for rear holes and 3/8 bolts and washers on 300mm wire, flat washers, spring washers and nuts for front holes. **Finger tighten only.**
14. Align ECB protection bar to vehicle. **See figures 4 and 5** for 76mm Nudge Bar and **Figures 6 and 7** for Series 2 Nudge Bar. **Tighten all bolts.**



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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	16 – 3/8 flat washers
6 – 3/8 x 1 1/2 bolts	10 – 3/8 spring washers
4 – 3/8 x 1 1/2 bolts and washers on 300mm wire	10 – 3/8 nuts

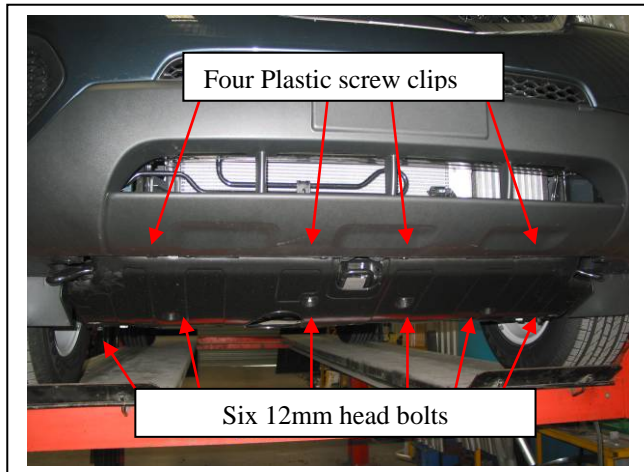


Figure 1: Under body Skirt fixings

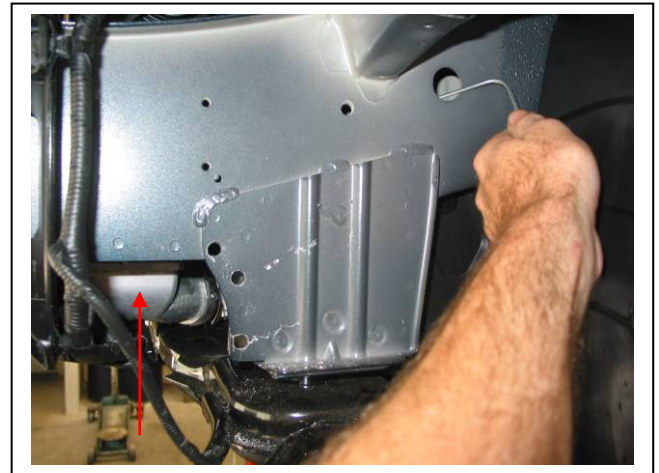


Figure 2: 3/8 bolt and washer on 300mm wire inserted into side of chassis. Exits at arrow.



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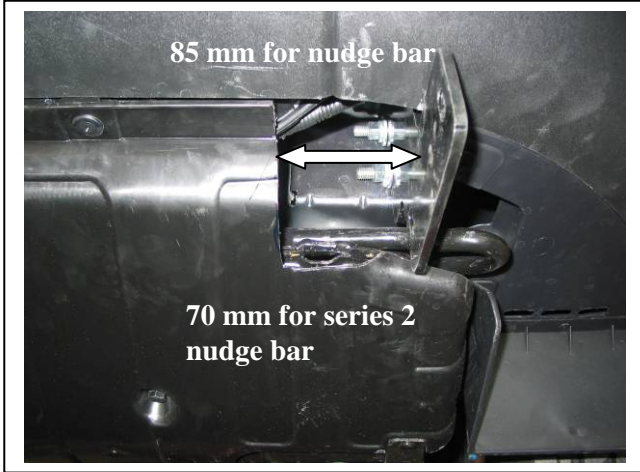


Figure 3: Trim in under body guard.



Figure 4: Front view of 76mm Nudge Bar



Figure 5: Side view of 76mm Nudge Bar



Figure 6: Series 2 Nudge Bar front view



Figure 7: Series 2 Nudge Bar side view



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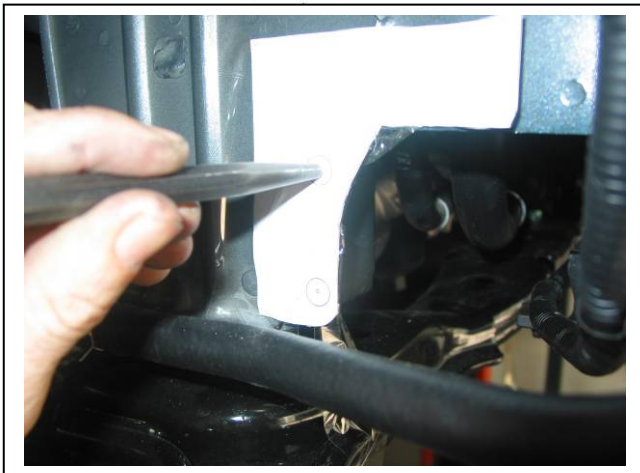
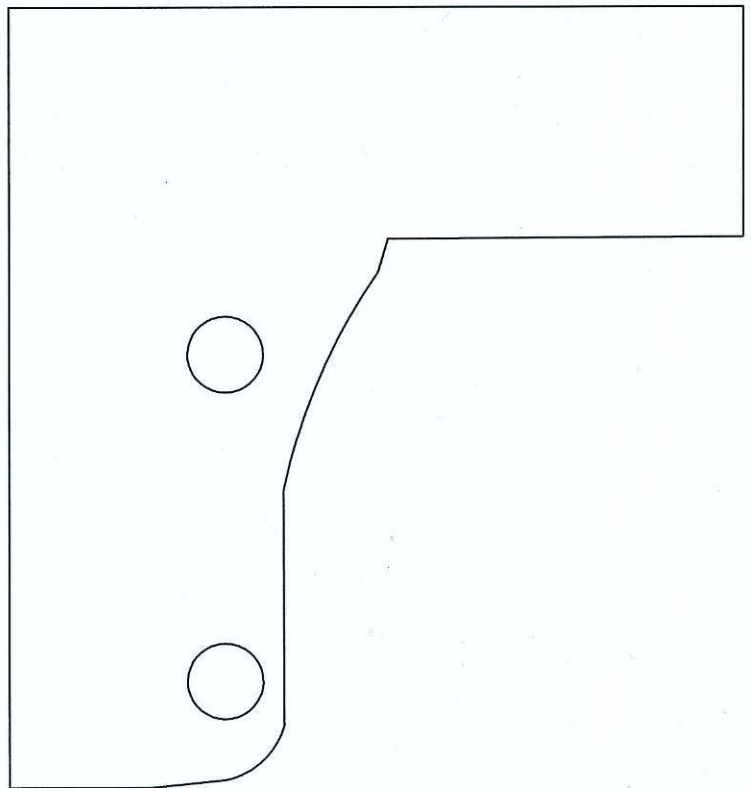
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Chassis marking template and Positioning Photo

Caution: As some printers may vary, please check measure this side of template to ensure correctness.

This side is: 103mm →





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DESPATCH CHECKLIST NBK48SY / NB6K48SY

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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