



**WORLD'S BEST  
ALLOY BULLBARS**

**East Coast Bullbars (ECB Pty Ltd)**

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**NBK47SY**

REPLACES: 25.03.08

REVISED: 11.07.10

## **FITTING INSTRUCTIONS**

### **KIA SORENTO 02/03-09/09 76mm NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES**

Check installation hardware before commencing.

1. Remove two plastic PK clips (each side) from plastic inner guard. Remove one 12mm head bolt (each side) from steel protection guard. **See figure 1.** Tie inner guard back for clear access to chassis. **See figure 2.**
2. Drill 10mm hole through chassis using original holes in chassis as a guide. Ensure drill is square when drilling through top of chassis. **See figure 3.**  
NOTE: Treat all drilled holes with rust inhibitor.
3. Place steel plate (supplied) on top of chassis rails over drilled holes. In front hole only insert 3/8 x 6 bolt and flat washer (supplied) through steel plates and chassis. **See figure 4.**
4. Attach steel mounting angles (supplied) to bottom of chassis over 3/8 x 6 bolts. Fit steel protection guard over steel mounting angles. Align steel mounting angles and feed rear 3/8 x 6 bolts, flat washers (supplied) through. **See figure 5.** Attach flat washers, spring washers (NOTE: you may need to hit heavy duty spring washers with a hammer to flatten slightly) and nuts (supplied). Align square and check distance apart for protection bar to mount on outside of steel mounting angles. **TIGHTEN IN POSITION. See figure 6.**
5. On applicable model from 1/07 on, place protection bar against underside of vehicle. Mark chin spoiler to suit bar. Remove PK screw and trim chin spoiler using a sharp knife. **See figure 7**
6. Attach protection bar to outside of steel mounting angles. Use 3/8 x 1 ½ bolts, nuts and washers (supplied).  
NOTE: Feed bolts from inside of steel mounting angles. **DO NOT TIGHTEN See figure 8.**
7. Align protection bar in position. **See figure 9, 10 and 11.** Check bonnet opening, **See figure 10. TIGHTEN ALL BOLTS.**
8. Refit plastic inner guard.

### **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.



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#### **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 angles.
2 – Steel plates.
4 – 3/8 x 6 bolts and nuts.
4 – 3/8 x 1 ½ bolts and nuts
16 – 3/8 flat washers.
8 – 3/8 spring washers.

**NOTE:** When fitting spot/driving lights ensure that lights chosen will not interfere with bonnet/ grille opening.



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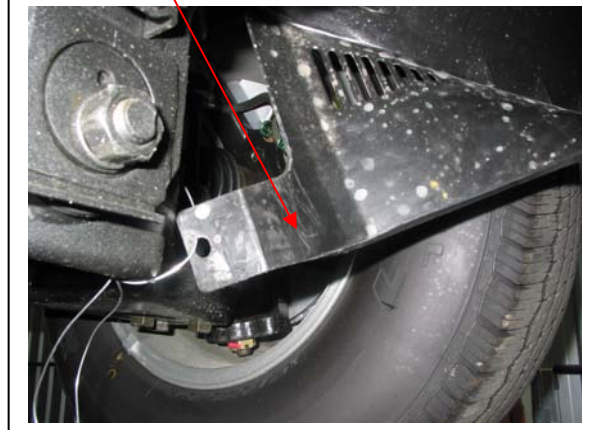
Remove two plastic PK clips



Plastic inner guard

**Figure 1**

Tie plastic inner guard back with wire or similar to create access



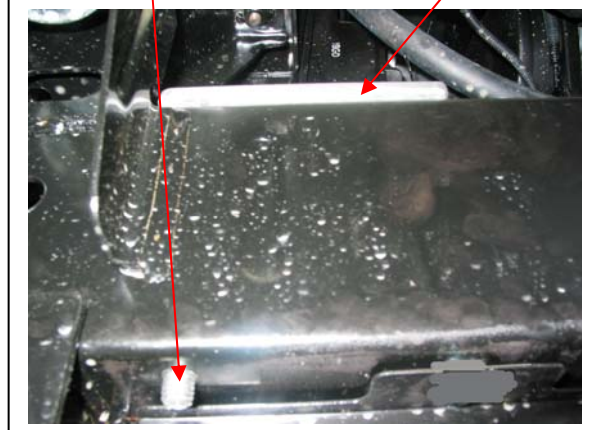
**Figure 2**

3/8 x 6 bolt

Steel plate on top of chassis



**Figure 3**



**Figure 4 – Passenger side shown**



Front

**Figure 5**  
Passenger side looking



**Figure 6**  
Checking steel angle mounts distance apart



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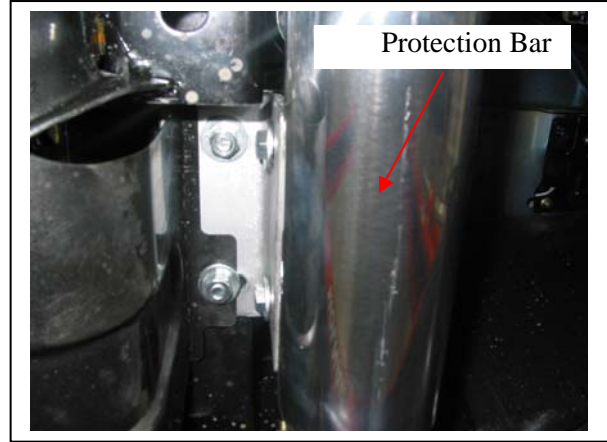
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**Figure 7:** Chin spoiler trim, passenger side shown



**Figure 8**  
Looking up on passenger side



**Figure 9:** 76mm Nudge Bar, side view, Early shape bumper shown



**Figure 10**



**Figure 11:** 76mm Nudge Bar, Front view shown, later shape bumper 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.

<b>Your Name:</b>	<b>Your contact No.</b>
<b>Product Part No.</b>	<b>Product Invoice No.</b>
<b>Product Description:</b>	<b>Make, model, and year of vehicle:</b>
<b>Product Work Order No.</b>	<b>Company your from/Company product purchased from:</b>

**Date of Fitment:** \_\_\_\_/\_\_\_\_/\_\_\_\_

Was the fitting hardware supplied complete?

Yes

No

If no what was not supplied

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Did the installation go well?

Yes

No

Please provide comments

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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 NBK47SY

Work Order #	
Finish:	
Transport:	
Due Date:	

- 2 – Steel mounting angles.
- 2 – Steel plates.
- 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 \_\_/\_\_/\_\_



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