



**WORLD'S BEST  
ALLOY BULLBARS**

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

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**NBHU100SY**

REPLACES: 05.09.17

REVISED: 20.11.20

## **FITTING INSTRUCTIONS**

### **HYUNDAI TUSCON MY17- 76mm NUDGE BAR VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES**

Check installation hardware before commencing.

1. Park the vehicle on level ground and apply the hand brake. Lift bonnet.
2. Remove four push pull clips and two 10mm head bolts from the top of the grill filler panel. **See figure 1.**
3. Remove three plastic clips from the front of the wheel arch (each side) and one Philips screw from bumper wing to guard (each side). Remove two 10mm head bolts from underside of bumper in the centre. Pull out on the rear of the bumper bar wing to un-clip the retainer. Disconnect the light plugs and pull forward to release the bumper from the vehicle. **See figure 2.**
4. Remove foam impact member from the bumper support.
5. Remove the sonar and housing from the bumper support. **See figure 3**
6. Fit sonar into the ECB steel sonar bracket (supplied) as shown using three M6 x 50 bolts, flat washers, nuts and nyloc nuts (supplied). **See figures 4 & 5.**
7. Fit the ECB steel mounting bracket (supplied), steel mount support plates (supplied) and the sonar bracket onto the right-hand side of the bumper support using M10 x 70 x 1.5 bolts, flat and spring washers and nuts (supplied). **See figure 6. NOTE: Adjust sonar bracket to be parallel with the radiators and vertical.**
8. Trim foam impact member to fit around the steel mounts. **See figure 7.**
9. Remove the inner sensors from the bumper. **See figure 8.**
10. Using ECB 200mm long wire extensions and soldier joiners (supplied) carefully extend the sensor wires.
11. Trim the plastic grill to fit over the steel chassis mounts. **See figure 9.**
12. Re-fit the bumper in the reverse order of step 2 & 3.
13. Fit the protection bar onto the steel mounting brackets and fasten using M10 x 40 x 1.5 bolts, flat washers, spring washers and nuts (supplied). Align the bar with the vehicle and **tighten all bolts. See figures 10 and 11.**
14. Fit the sensors to the protection bar, connect the sensor plugs and cable tie to the sensor mount (Do not over tighten the cable tie)
15. Test the sensors for correct operation.
16. Install the plastic plug (supplied) into the vacant sensor hole in the bumper.



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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 front mounting brackets	3 – M6 x 50 x 1.0 bolts
1 – Bent sonar mounting bracket (NBHU100SY_A4MS)	12 – M6 flat washers
6 – Chassis support plates (NBHU100SY_C6MS)	9 – M6 nuts
1 – Plastic sonar cover	3 – M6 nyloc nuts
10 – M10 x 70 x 1.5 bolts	10 – 200mm long single core wire
4 – M10 x 40 x 1.5 bolts	20 – Solder joiners
28 – M10 flat washers	2 – 200mm lengths 12mm convoluted tubing
14 – M10 spring washers	2 – 20mm Plastic blanking plug
14 – M10 x 1.5 nuts	10 – 300mm cable ties



**Figure 1**



**Figure 2**



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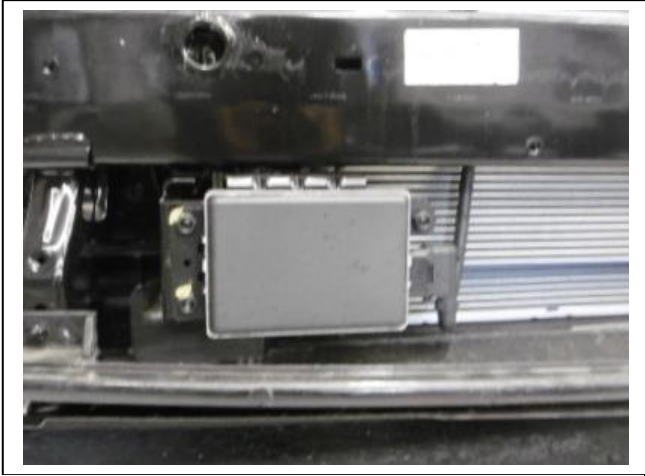
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**Figure 3**



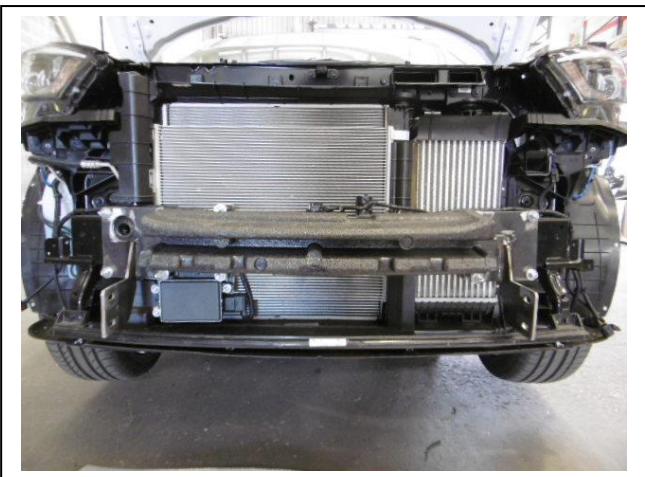
**Figure 4**



**Figure 5**



**Figure 6: Adjust sonar bracket to be parallel with the radiators and vertical.**



**Figure 7**



**Figure 8**





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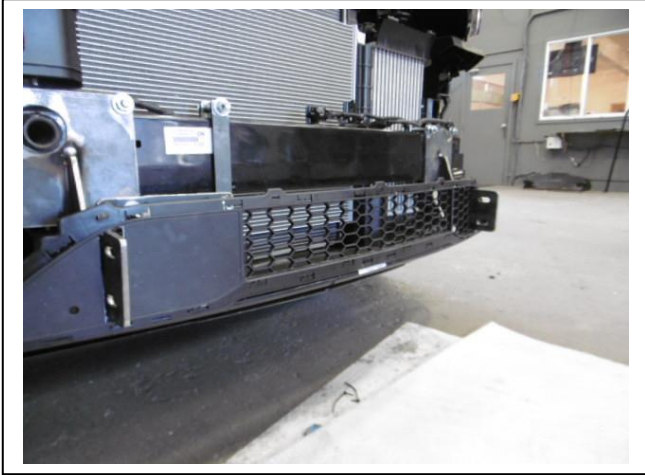
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**Figure 9**



**Figure 10**



**Figure 11**



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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 NBHU100SY

Work Order #		<b>See other side of this page for photos of all mounts</b>
Finish:		
Transport:		
Due Date:		

OC....1 – Pair front mounting brackets

BK....1 – Sonar mounting bracket (NBHU100SY\_A4MS)

BK....6 – Chassis support plates (NBHU100SY\_C6MS)

BK....1 – Plastic sonar cover (NBF160SY\_A2PL), 1 angled corner

BK....1 – Bolt Kit



**Is this product “the best it can be” Yes**  
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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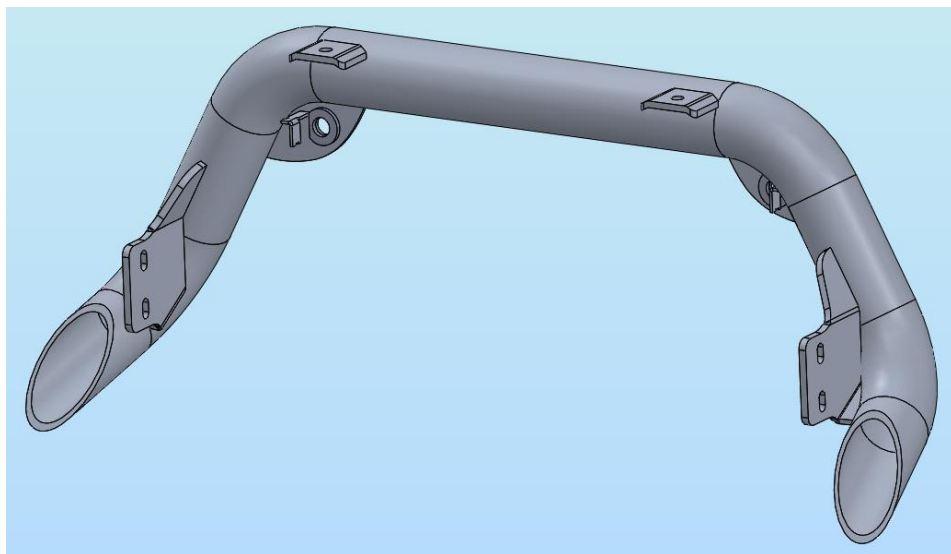
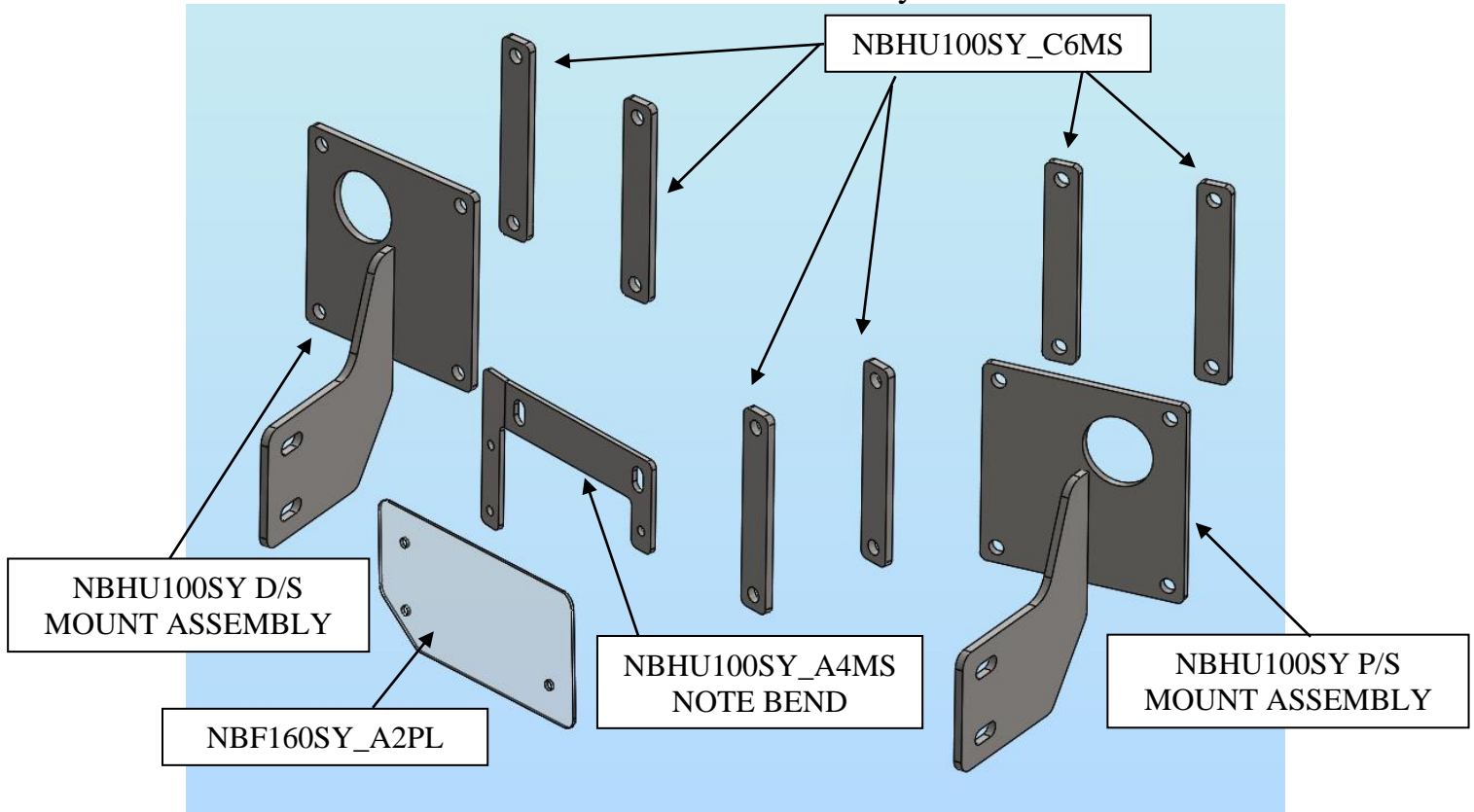
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### Chassis Mount assembly



Nudge bar assembly

\_\_\_\_\_  
Wrapper's initials / Checker initials





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