

ARB NUDGE BAR TO SUIT HYUNDAI SANTA FE 2001 ON

PRODUCT No :- 3155010

WARNING

FOR VEHICLES EQUIPPED WITH SRS AIRBAG

WHEN INSTALLED IN ACCORDANCE WITH THESE INSTRUCTIONS, THE FRONT PROTECTION BAR DOES NOT AFFECT OPERATION OF THE SRS AIRBAG.

TAKE NOTE OF THE FOLLOWING:

- **THIS PRODUCT MUST BE INSTALLED EXACTLY AS PER THESE INSTRUCTIONS USING ONLY THE HARDWARE SUPPLIED.**
- **IN THE EVENT OF DAMAGE TO ANY NUDGE BAR COMPONENT, CONTACT YOUR NEAREST AUTHORISED ARB STOCKIST. REPAIRS OR MODIFICATIONS TO THE MOUNTING SYSTEM MUST NOT BE ATTEMPTED.**
- **DO NOT USE THIS PRODUCT FOR ANY VEHICLE MAKE OR MODEL, OTHER THAN THOSE SPECIFIED BY ARB.**
- **DO NOT REMOVE LABELS FROM THIS NUDGE BAR.**
- **THIS PRODUCT OR ITS FIXING MUST NOT BE MODIFIED IN ANY WAY.**

FITTING KIT No: - 6171832

USE	PART No	QTY	DESCRIPTION
NUDGE BAR TO VEHICLE	6131247	1	NUDGE BAR ASSY
	4581047	16	WASHER SPRING M8 BZ
	6151262	12	SCREW HX HD M8 X 20mm BZ
	6151325	4	SCREW M8X20 CAP BZ
	4581045	16	WASHER FLAT M8 BLK BZ
	6151303	4	NUT CAGED M8 SUIT 3MM
	6151301	4	NUT CAGED M8 SUIT 4MM
	6151132	8	NUT M8 FLANGED
	3199694R&L	1 SET	PLATE BRACKET BRACING
	3199695	2	PLATE SHIM
	3756582R&L	1 SET	BRACKET SET MOUNT A NUDGE
	3756583R&L	1 SET	BRACKET SET MOUNT B NUDGE
DRIVING LIGHT PANEL TO NUDGE BAR	6522035	1	DRIVING LIGHT PANEL
	6151256	4	SCREW BUTTON HEAD M6
	6151128	4	NUT FLANGE M6

Tools Required

Basic metric socket and spanner sets, 4 and 6mm Hex keys.
Pistol drill and Dia 9.0mm drill bit.

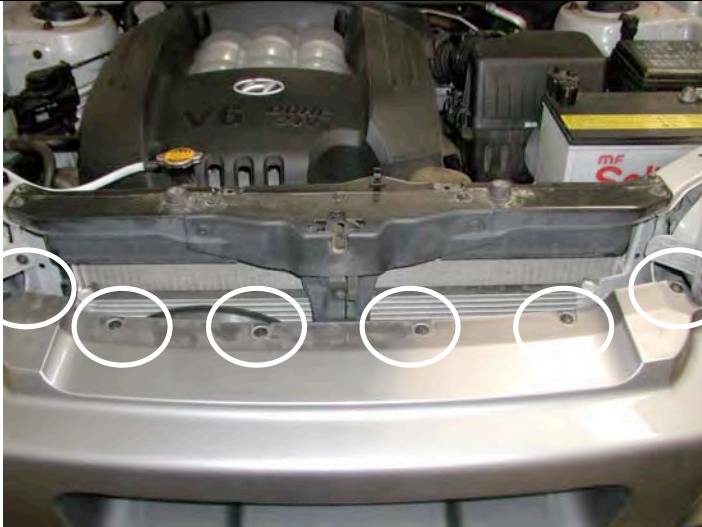
Optional Extras suited for this bar includes a range of IPF driving lights and durable driving light covers. Contact your nearest ARB stockist for further information.

ASSEMBLY SEQUENCE FOR NUDGE BAR.



Remove Bumper

1. Unscrew and remove headlights.
2. Unplug fog lights electrical connection



3. Unscrew 6 x plastic retaining screws at top of bumper.



4. **IMPORTANT:** Unscrew plastic retaining screws on bumper tabs under headlight area



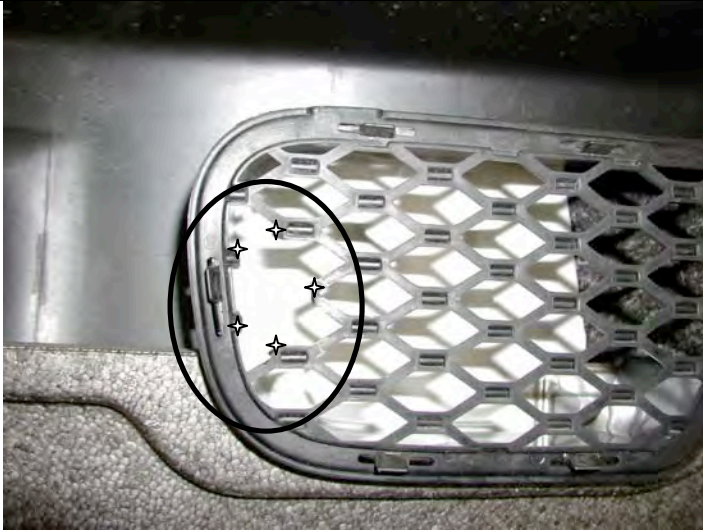
5. Unscrew bumper retaining screws in upper wheel arch area, 1 x screw per side



6. Unscrew lower outer bumper retaining screws 2 per side
7. Pull trim away from bumper lugs so they don't foul as you remove bumper.



8. Unscrew 5 x M6 retaining screws on lower bumper tabs
9. Carefully, one side at a time, pull wheel arch section of bumper forward and off the retaining clips.
10. **Remove bumper section and place front down on a rug or other non abrasive surface**



11. Using cutting tool, cut away sections located on outer sides of plastic grill area as shown (circled, stars indicate trim points). This allows mount bracket flanges to fit through the grill area.

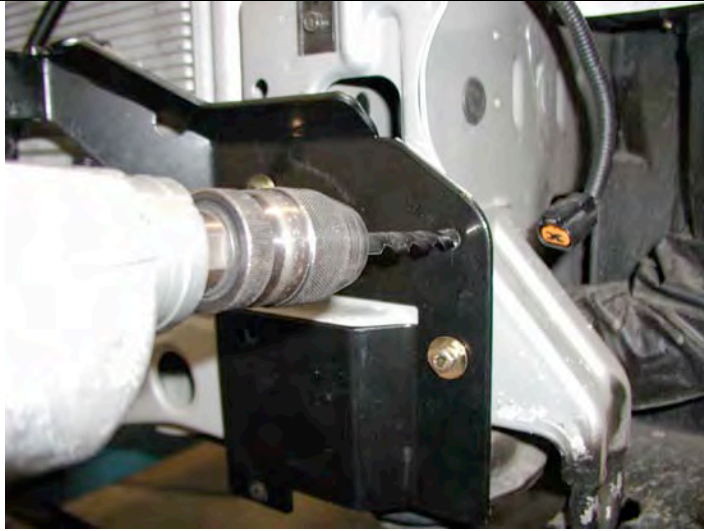


Fit mounting brackets.

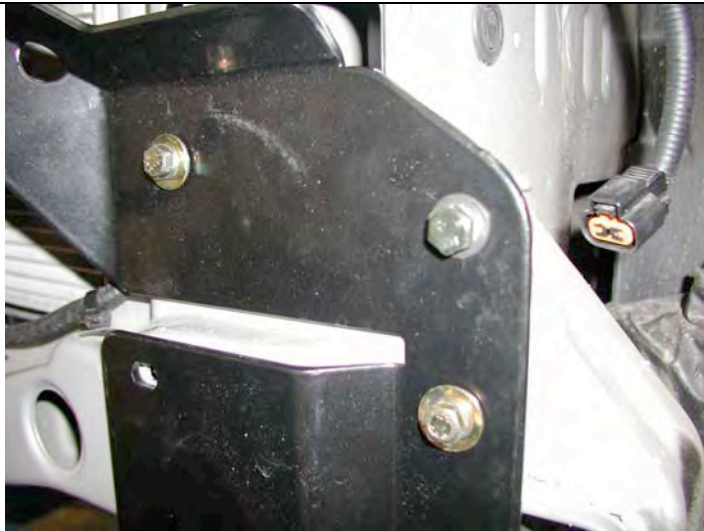
12. Remove steel bump member. Undo 4 x M8 screws.



13. Bolt 3756582 brackets in position using original M8 bolts in original hole centres from steel bump member.
14. With bolts still loose slide in shim to pack behind upper mount point on bracket. Measure external distance over bracket flanges, it needs to be approx. 654mm. Adjust if necessary and then tighten bolts.



15. Using Dia 9.0 drill, using existing hole as a guide, drill hole through shim and flange. Repeat for other hand.



16. Insert M8 screw, washers and flange nut set and tighten (this pinning screw does not get undone).
17. Then remove only the original 4 x M8 screws from steel crossmember mounting, bracket will stay in position.



18. Refit steel crossmember and tighten M8 screws.
19. Refit bumper, taking care to align new bracket flanges with holes you have cut in plastic grill. Refit all screws, lights and electrical connections with the exception of the two outer M6 screws used to secure the plastic bumper tabs on the under side of the bumper.

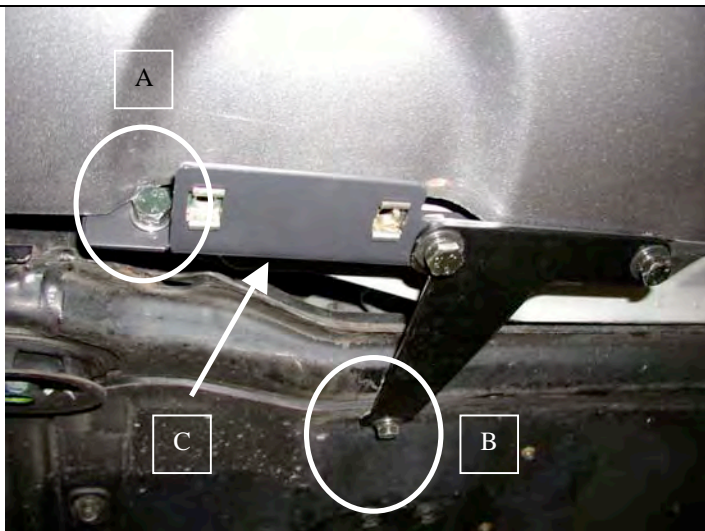
Don't forget to re-connect fog lights!



20. Fit M8 cage nuts to brackets as shown, noting that in the bolt kit, there are 4 x cage nuts to suit 3mm mount sheet and 4 off to suit 4mm. These ones are for 3mm and are identified by a shorter clip flange height than the others.



21. Assemble one pair mount brackets as shown using M8 screw sets and flange nuts



22. Mount bracket assembly each side as shown. An M8 screw washer and nut assembly is used at point 'A'. Note that the *existing* M6 bolt at 'C' is not shown this view, but is fitted through the bracket flange over the plastic bumper tab. The rear mount point 'B' is an existing M8 screw used to secure splash pan.



Fit nudge bar frame assembly

23. Put some protective material on the section of the bumper in the grill area, adjacent to the bracket flanges. This will help to reduce the risk of damage to bumper when the nudge bar is fitted.
24. Fit M8 cage nuts (larger ones which suit 4mm material) to outer sides of the tie back brackets on the nudge bar frame assembly. (see picture)
25. Lift the nudge bar into position, lining up the bracket flanges and tie back brackets on nudge bar.
26. Fit the rearmost bolts first, then fronts but do not tighten.



27. Fit M8 cap screw and washer sets to secure lower mount points on nudge bar frame assembly. *Take care not to damage paint work on tube with allen key as it is in close proximity to tube when doing up cap screws.*



28. Adjust and tighten M8 screws on tie back brackets.

Note: Due to close fitting nature of cover profile to tubing, care must be taken to avoid damage to powder coat finish when fitting. Adjust panel position to make sure panel will not mark tubing finish when secured with screws.

29. Remove plastic cover from light mount panel and fit ARB domed badge. Fit cover to nudge bar using M6 dome head screws and flanged nuts.

Hint: The stainless steel light cover can be cleaned with mild cleaners such as window cleaner and some wheel cleaners.