

ARB NUDGE BAR TO SUIT KIA SORENTO 2002 ON

PRODUCT No :- 3160010

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: - 6171831

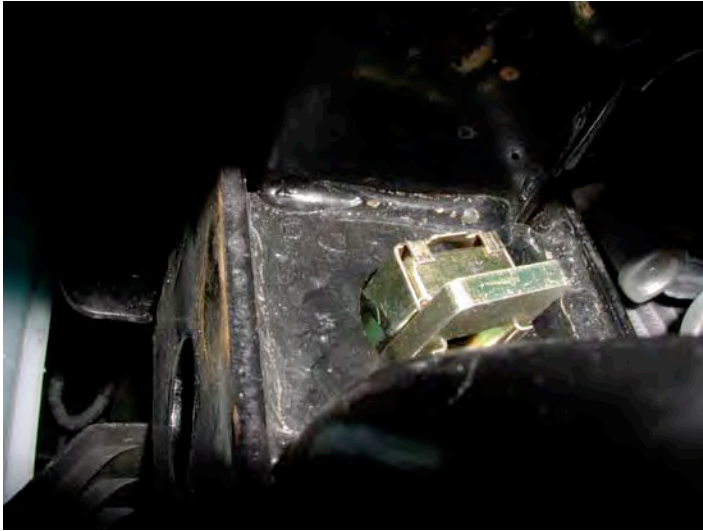
USE	PART No	QTY	DESCRIPTION
NUDGE BAR TO VEHICLE	6131249	1	NUDGE BAR ASSY
	3756588	2	BRACKET ASSY LOWER
	3199692 L&R	1 PR	PLATE FRAME TIE
	6151322	2	NUT M10 NYLOC
	6151305	2	NUT CAGED M12
	6151255	2	SCREW M12X40
	4581064	2	WASHER SPRING M12
	4581049	2	WASHER FLAT M12
	4581292	12	WASHER SPRING M10 BLK ZC
	6151320	12	SCREW HX HD M10 X 25mm BLK ZC
	4581291	16	WASHER FLAT M10 BLK ZC
	6151304	8	NUT CAGED M10
	6151299	2	BOLT M10X100
	3193732	2	PLATE CAGED NUT MOUNT
	4581070	2	WASHER FLAT M12X40X4
DRIVING LIGHT PANEL TO NUDGE BAR	6522034	1	DRIVING LIGHT PANEL
	6151256	4	SCREW BUTTON HEAD M6
	6151128	4	NUT FLANGE M6
	215611	1	BADGE ARB
NUMBER PLATE TO CROSSPANEL	6151256	2	SCREW BUTTON HEAD M6
	6151128	2	NUT FLANGE M6

Tools Required

Basic metric socket and spanner sets and 4mm Hex key.

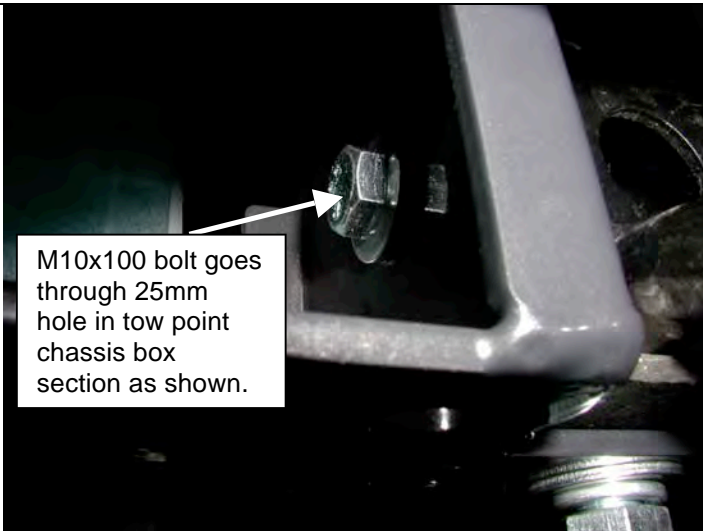
Optional Extras suited for this bar includes a range of IPF driving lights and durable driving light covers. Contact your nearest ARB stockist for further information.

ASSEMBLY SEQUENCE FOR NUDGE BAR.



1. Fit M12 caged nut to 3193732 plate. Insert assembly into front hole of chassis member immediately above tow hook as shown. This nut assembly fits between the bars from the tow hook and is used for the M12x40 screw to bolt up bracket assembly.

Hint, you may use a flat blade screw driver to assist to prize the caged nut into place. See below example.



M10x100 bolt goes through 25mm hole in tow point chassis box section as shown.

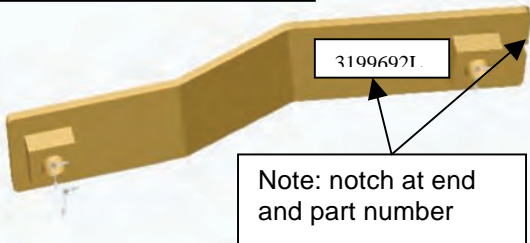
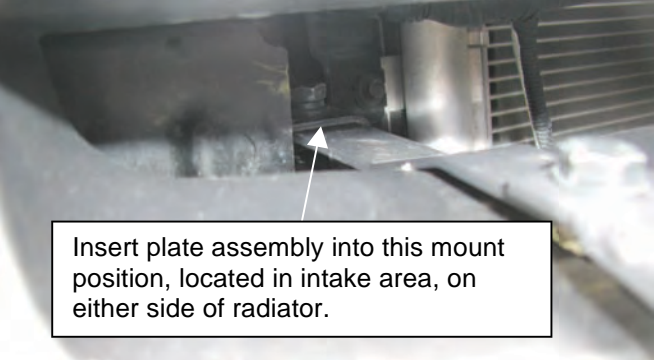


2. Fit bracket P#3756588 assembly to tow point chassis box section, securing with M12x40 screw, flat and spring washers. Insert M10x100 bolt, 2 x M10 flat washers, large flat washer and M10 nyloc nut as shown. Tension up bolt and screw taking care not to over-tighten the M10 bolt assembly, which could crush the chassis box section.



Other end of M10 bolt assembly, showing large flat washer and nut.



3. Remove light panel from frame assembly, it is held on by cable ties for transport only. Insert M10 caged nuts to inside of mount brackets on frame assembly, 4 places per bracket as shown.

<p>LH side assembly shown</p> 	<p>4. Fit M10 caged nuts to P#3199692L&R tie back plates, taking note of R/H & L/H (RH to drivers side of vehicle).</p>
 <p>Insert plate assembly into this mount position, located in intake area, on either side of radiator.</p>	<p>5. Insert each plate assembly as shown, with notched end towards front of vehicle. End of plate goes into and under mount position as shown. Secure with M10 screw, flat and spring washers.</p>
	<p>6. Using M10x25 screw, spring and flat washer sets, fit nudge bar assembly to vehicle, firstly at lower mount point then at tie back plates to brackets on frame assembly. Adjust to obtain even clearance to vehicle front. Tighten up all fixing screws.</p> <p><i>Note: You will need help to hold the frame assembly in position while the screws are fitted and semi-tightened, damage can be sustained to the plastic bumper in the air intake region if the tie back brackets make contact.</i></p>
	<p><i>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.</i></p> <p>7. 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. Fit number plate to crosspiece lower flange using M6 dome head screws and flange nuts.</p> <p><i>Hint: The stainless steel light cover can be cleaned with mild cleaners such as window cleaner and some wheel cleaners.</i></p>

