



# SS735HF

NISSAN D40 NAVARA SINGLE CAB/KING  
CAB - 2.5L YD25DDTi ENGINE



28/1/09

ITEM	DESCRIPTION	QTY	PART NO
1	BODY - SNORKEL	1	430-133-000
2	3½" AIR RAM ASSEMBLY	1	000-135-800
3	BRACKET - UPPER MOUNTING	1	430-032-000
4	BOLT - HEX - 6mm x 1.0 x 14mm (SEMS)	3	000-002-100
5	SCREW - S/T 4.2mm x 16mm	4	000-951-300
6	CLIP - BODY (PLASTIC)	3	000-960
7	STUD - S/S - 8mm x 1.25 x 25mm O/L	4	000-110
8	WASHER - BODY - 8mm x 30mm	4	000-311
9	NUT - NYLOC - 8mm x 1.25mm	4	000-205
10	DUCT - INNER	1	430-123-000
11	ADAPTOR - AIR ENTRY (Stainless Steel)	1	430-025-000
12	POP-RIVET - 4mm X 12mm	1	000-958
13	HOSE - AIR ENTRY	1	430-024-200
14	CLAMP HOSE - 60/80mm	1	000-907
15	CLAMP HOSE - 80/100mm	1	000-909
16	CABLE TIE - 8mm x 550mm	1	000-987-550
17	FOAM PAD - INNER DUCT (Self Adhesive)	1	430-016-200
18	FOAM PAD - SNORKEL BODY (Self Adhesive)	1	430-016-000
19	TEMPLATE	1	430-017-000
20	HOSE - CLAMP - SIZE 56 (BLACK)	1	000-914/B

**Manufactured by Safari Automotive Technologies Pty Ltd**

73 Merrindale Drive, South Croydon Victoria 3136 Australia Tel: +61 3 9761 7244 Fax: +61 3 9761 7665

[www.safarisnorkel.com](http://www.safarisnorkel.com)

ABN 88 071 262 756



# SS735HF

NISSAN D40 NAVARA SINGLE CAB/KING  
CAB - 2.5L YD25DDTi ENGINE

## Installation Guide

### Fitment to:

- Left Hand Side

### Fitting Time:

- 150min

### Special Tools:

- 105mm Hole Saw
- Hack Saw / Air Body Saw
- Step Drill
- 4.5mm drill bit
- Sikaflex 227 adhesive sealant
- Pop-rivet gun
- Masking Tape
- Touch-up paint
- Loctite threadlock Blue Removable

**Prior to commencing the installation, it is the installer's responsibility to verify that all components and particularly the template (Item 19) are correct.**

- 1 Remove the following in accordance with the factory service manual.
  - Mud flap
  - LHS indicator lamp
  - Inner guard liner
  - Air cleaner assembly

2

Remove and discard the foam insulator pad between the inner and outer guard panels.

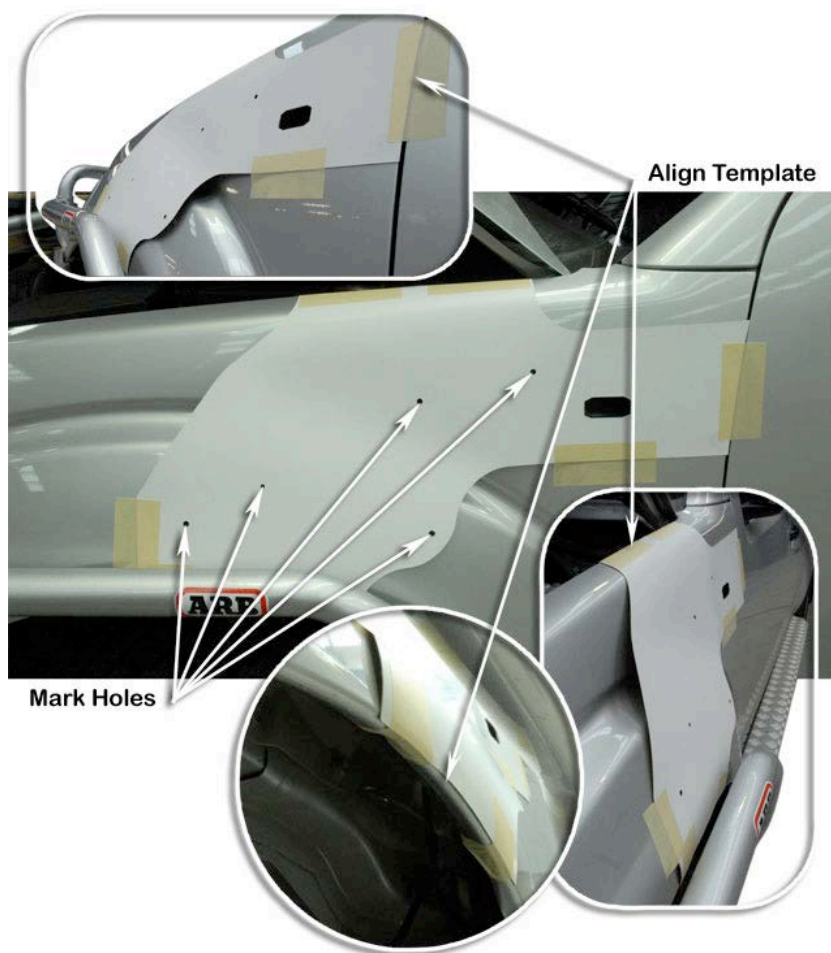
Foam Insulator Pad



3

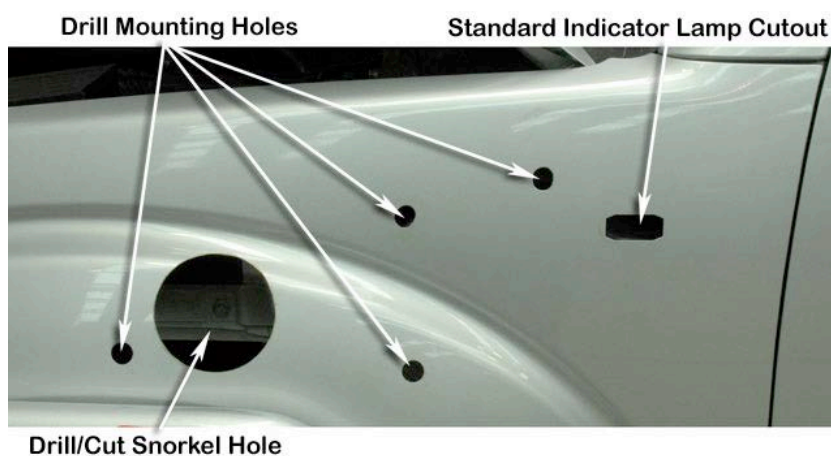
Tape the template (Item 19) to the rear, upper and lower edges of the left hand guard using the indicator hole as a reference point.

Ensure that the template is stretched tight to the lower edge of the guard. Using a felt tip pen mark all hole positions then remove the template.



4

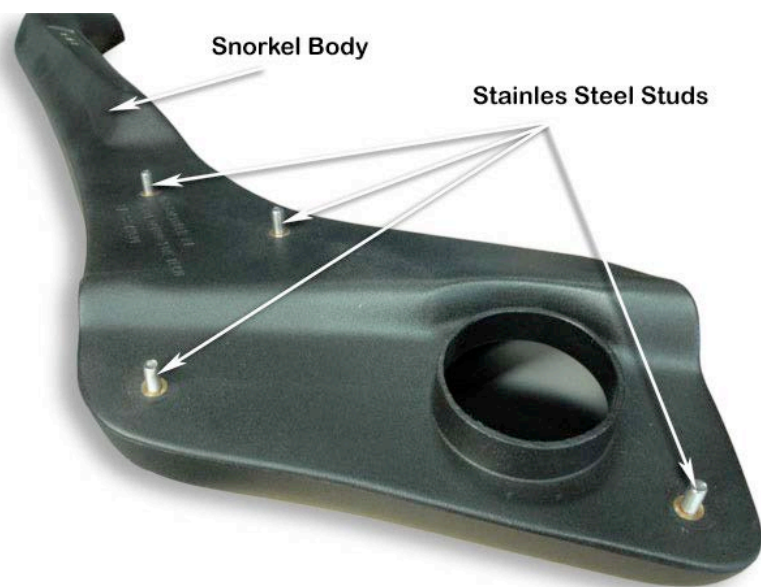
Drill a pilot hole for each marked hole position. Using the 105mm hole saw, drill the main hole in the guard. Using the step drill, drill the 4 mounting hole positions to 16mm. Deburr and paint holes to prevent rust.





5

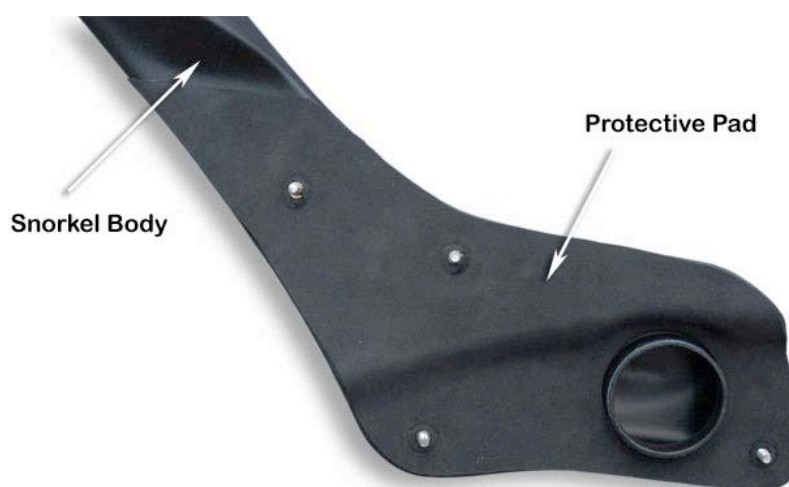
Apply Loctite to all four studs (Item 7) and install the studs into the snorkel body mounting inserts.



6

Remove the backing paper from the snorkel body foam pad (Item 18).

Align the foam pad on the snorkel body, paying particular attention to the alignment along the top and front edges of the snorkel body.

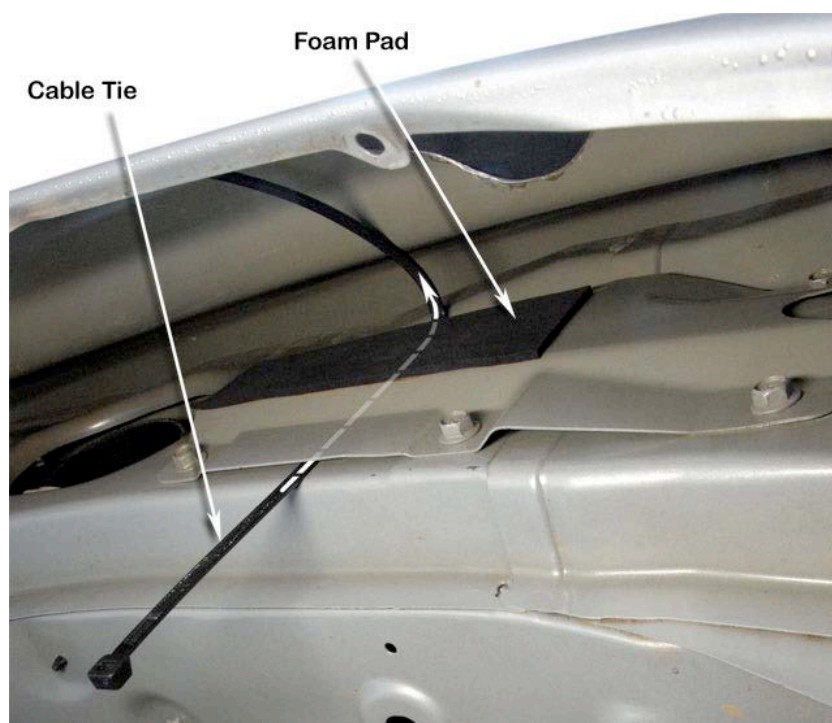


7

Using prep-wash or a similar solvent clean the surface of the steel brace.

Remove the backing paper from the inner duct foam pad (Item 17) and install the foam pad onto the steel brace.

Pass the cable tie strap (Item 16) between the steel brace and the inner guard as shown.



8

Prior to installing the inner duct, check the fitment of the inner duct over the snorkel body snout to ensure that the connection of the two parts is a neat fit.

With the cable tie correctly positioned, install the inner duct (Item 10) into position (refer to photo) and secure duct in place by tightening the cable tie.



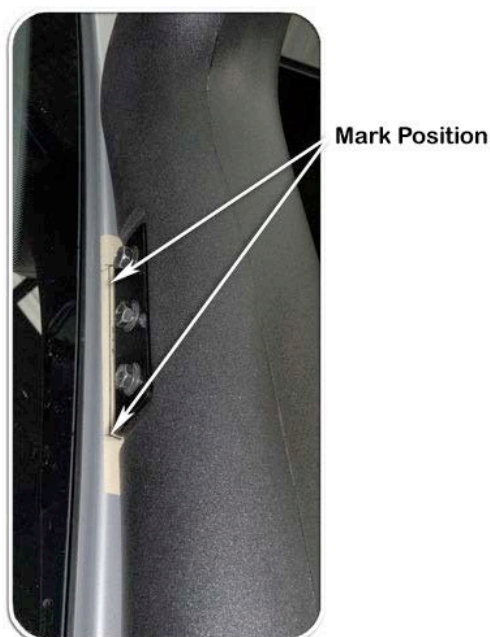
**9** Loosely install the upper mounting bracket to the snorkel body using three bolts (Item 4).

**10** Place a piece of masking tape along the 'A' Pillar where required and carefully install the snorkel body onto the guard, guiding the snorkel body snout into the inner duct. Ensure that all of the snorkel body mounting studs are not in contact with the panel (if required enlarge holes to achieve adequate clearance between mounting studs and panel using a round file or die grinder).

11

With the snorkel body correctly positioned onto the guard and with adequate clearance around each mounting stud, mark the position of the upper mounting bracket on the 'A' Pillar.

Remove the snorkel body from the vehicle. Remove the upper mounting bracket from the snorkel body



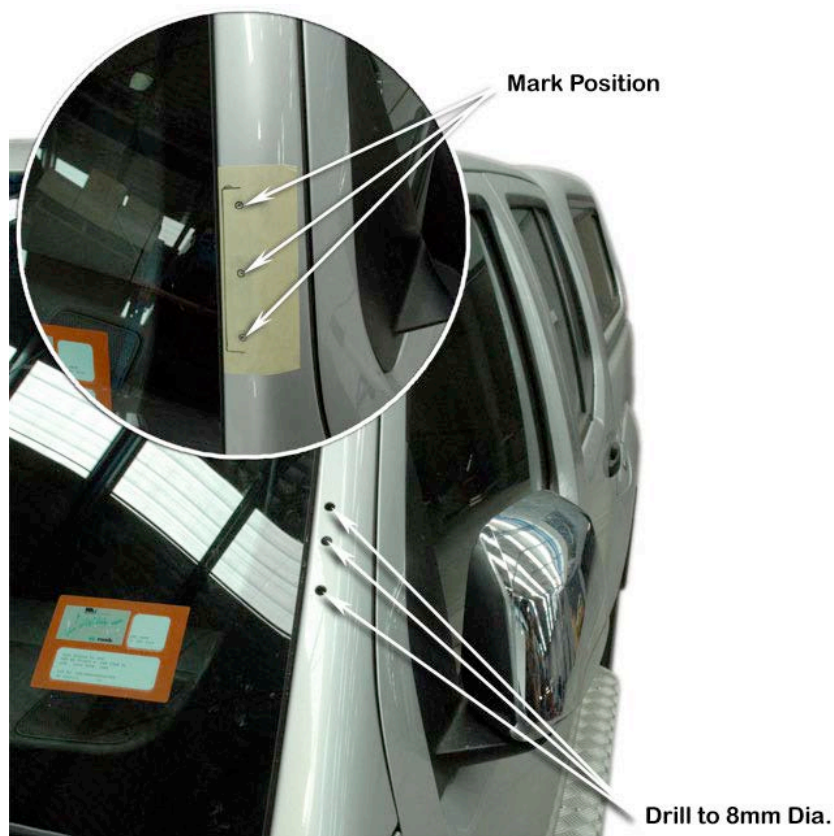


12

Align the upper mounting bracket with the marked position on the 'A' Pillar.

Mark the three mounting hole positions.

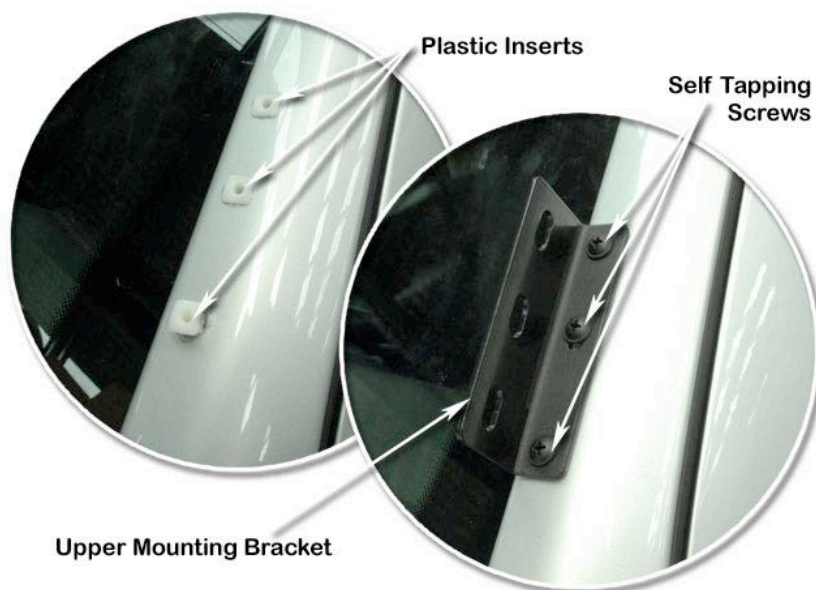
Drill a pilot hole for each marked position and drill the three holes to 8mm (Deburr and paint holes to prevent rust).



13

Install the plastic inserts (Item 6) into the 8mm diameter holes in the A-pillar.

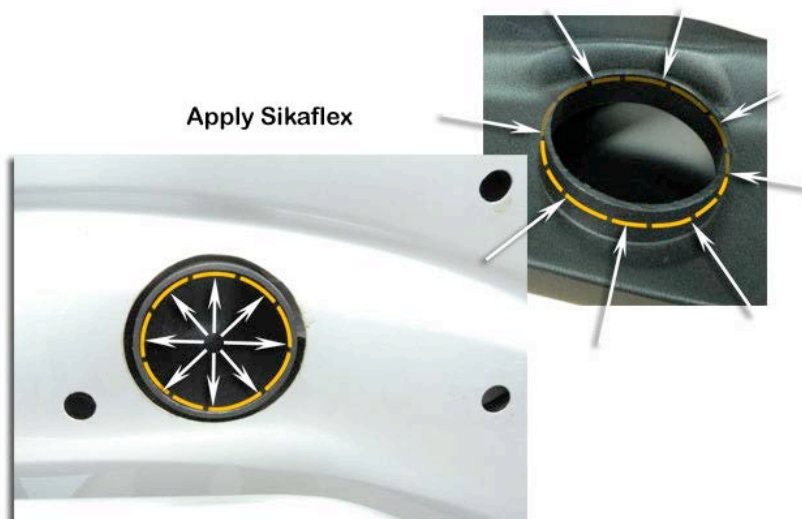
Install the upper mounting bracket (Item 3) and fasten into position with three 4.2mm self-tapping screws (Item 5).



14

Apply a liberal amount of Sikaflex sealant to the inside of the inner duct intake snout and to the outside of the snorkel body outlet snout to ensure that a watertight seal is achieved once the snorkel body is installed.

Guide the snorkel body snout into the inner duct inlet and install the snorkel body to the guard panel.



**15**

With the snorkel body correctly positioned, fasten to the guard using a body washer (Item 8) and Nyloc nut (Item 9) on each of the stainless steel mounting studs previously installed into the inserts in the snorkel body.

Fasten the snorkel body to the upper mounting bracket using hex bolts (Item 4).

To ensure that a positive seal is achieved between the snorkel body snout and the inner duct, push the two components together and then secure the inner duct to the snorkel body with a self-tapping screw (Item 5) as shown..

**16**

Remove and discard the upper air intake duct from the air cleaner housing.

Remove the lower air transfer duct.

Cut the plastic tab from the lower duct as shown (using a hacksaw or air-body saw) and file/grind any rough edges.

#### Remove and Discard Duct





- 17** Insert the adaptor sleeve (Item 11) fully into the air cleaner as shown and mark a position for the retaining pop-rivet as shown and drill a 4.5mm hole.

Drill a matching 4.5mm hole through the sleeve (Item 11).

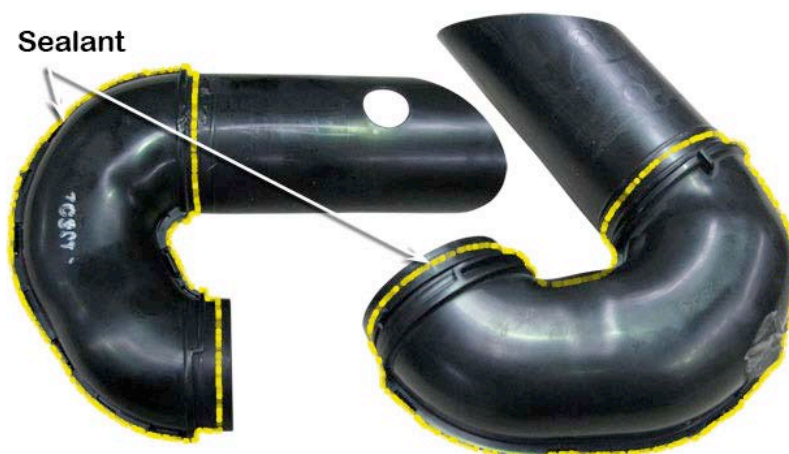
Apply Sikaflex sealant around the inside of the air cleaner housing inlet and to the outer surface of the adaptor sleeve (Item 11).

Install the adaptor sleeve into the air cleaner housing inlet and secure with a pop-rivet (Item 12).



**18**

Apply Sikaflex sealant to the seam edges and around the snouts of the lower air transfer duct to ensure water-tight operation.

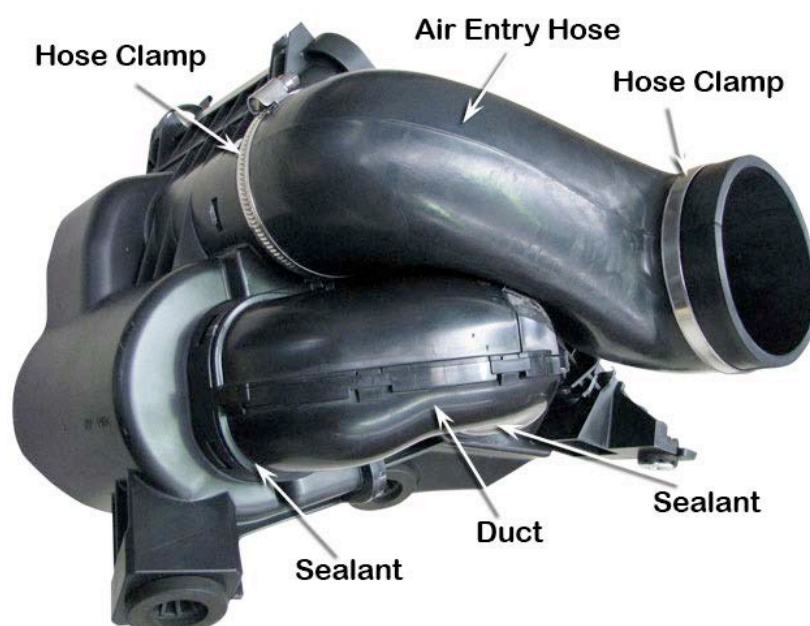


**19**

Install the lower air transfer duct into the air cleaner base.

Place a 60/80mm hose clamp (Item 14) over the air entry hose (Item 13), install the air entry hose over the adaptor sleeve (Item 11) and position as shown. Tighten the 60/80mm hose clamp (Item 14).

Place a 80/100mm hose clamp (Item 15) loosely over the other end of the air entry hose (Item 11).



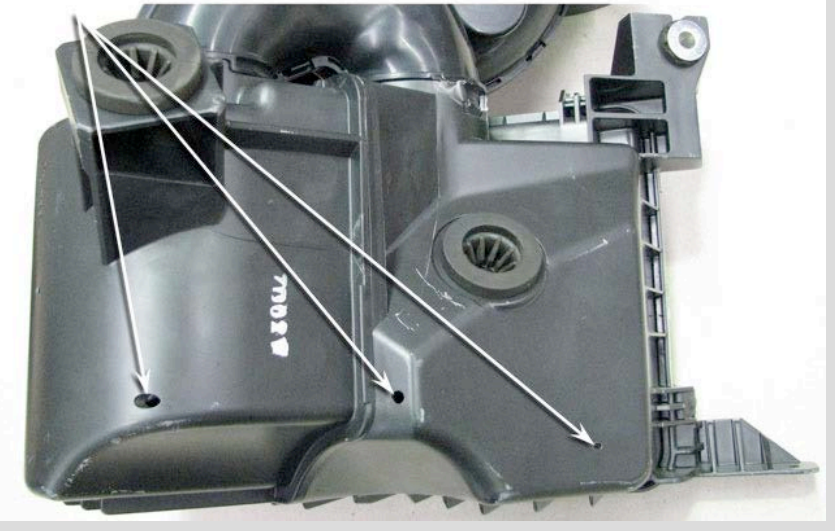


20

**Installer's Option:**

The air cleaner housing base/underside has three drain openings that may permit water to enter the air intake.

It is up to the installer to decide whether they should be sealed.

**Seal Holes**

21

Apply a light coating of rubber grease or similar lubricant to the inner surface of the air entry hose (Item 11).

Guide the air entry hose (Item 11) over the inner duct (Item 10) snout whilst installing the air cleaner assembly and fasten the air cleaner housing mounting bolt.

With the hose correctly positioned, tighten the 80/100mm hose clamp (Item 15) and check that there is clearance between the bottom of the air entry hose and the inner guard opening.

Modify the inner guard opening if required.



22

Install the air cleaner element and air cleaner lid.



23

Install the Air Ram (Item 2) onto the snorkel body and tighten the size 56 black hose clamp (Item 20).



24 Reinstall the LHS indicator lamp, inner guard liner, mud flap and any other components that may have been removed. Road test vehicle.

**NB It is the installer's responsibility to ensure all connections are watertight.**