



SS730HF

NISSAN D40 NAVARA DUAL CAB/R51
PATHFINDER - 2.5L YD25DDTi ENGINE



27/06/06

ITEM	DESCRIPTION	QTY	PART NO
1	BODY – SNORKEL	1	430-133-000
2	3½" AIR RAM ASSEMBLY	1	000-135-650
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	HOSE – AIR ENTRY (SILICON)	1	430-024-000
12	CLAMP HOSE – 60/80mm	1	000-907
13	CLAMP HOSE – 80/100mm	1	000-909
14	CABLE TIE – 8mm x 550mm	1	000-987-550
15	FOAM PAD – INNER DUCT (Self Adhesive)	1	430-016-200
16	FOAM PAD – SNORKEL BODY (Self Adhesive)	1	430-016-000
17	TEMPLATE	1	430-017-000
18	HOSE – CLAMP – SIZE 56 (BLACK)	1	000-914/B

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NISSAN D40 NAVARA DUAL CAB/R51
PATHFINDER - 2.5L YD25DDTi ENGINE

- Fitment to:** Left hand side
- Fitting time:** Approximately 150 minutes
- Special Tools:** 105mm Hole saw
Step drill
Hacksaw / Air Hacksaw
Sikaflex 227 Adhesive Sealant
Loctite (Thread lock)

Prior to commencing the installation, it is the installer's responsibility to verify that all components and particularly the template (Item 17) are correct.

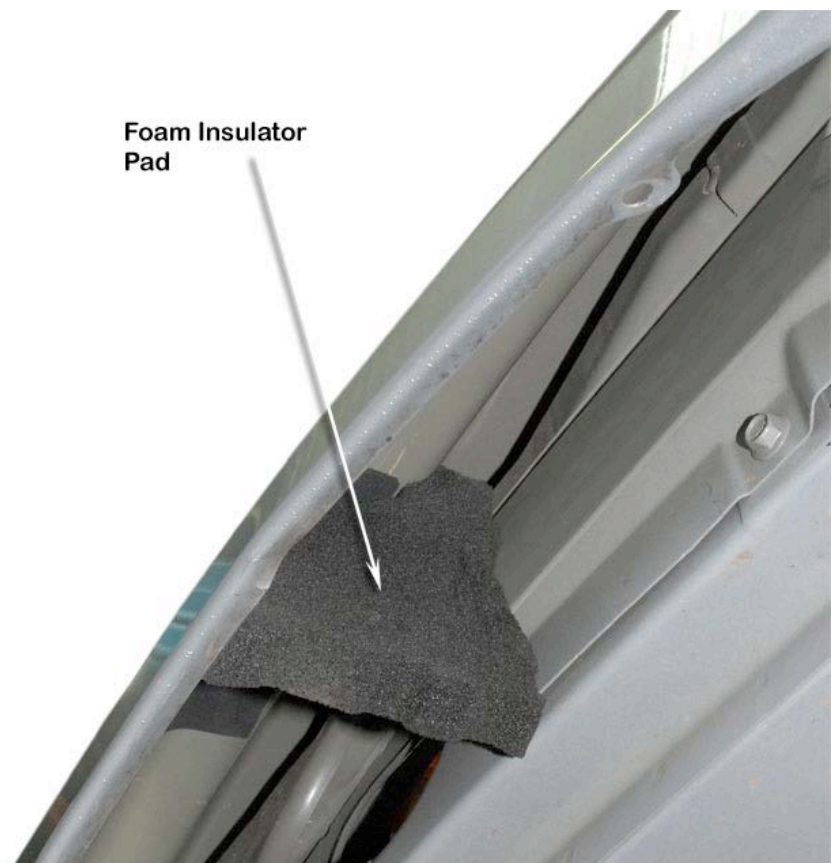
Installation Guide

1 Remove the following in accordance with the factory service manual.

- Mud flap
- Inner guard liner
- LHS indicator lamp
- Air cleaner assembly

2

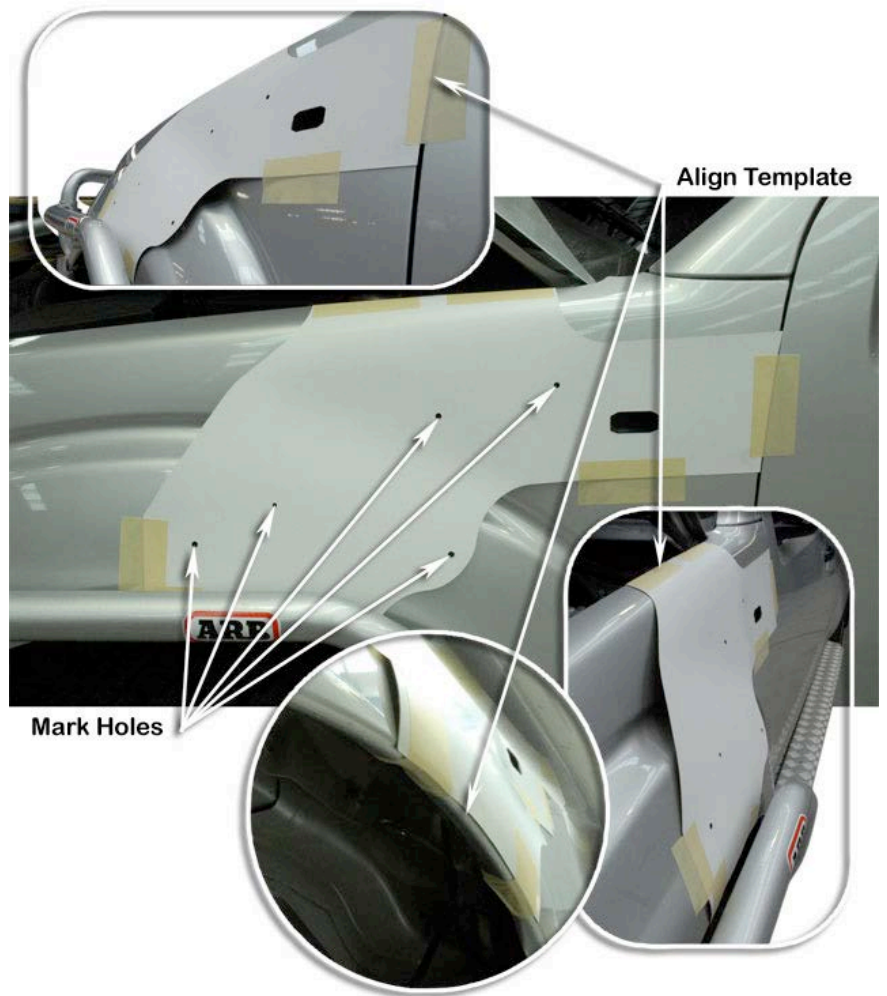
Remove the foam insulator pad between the inner and outer guard panels.



3

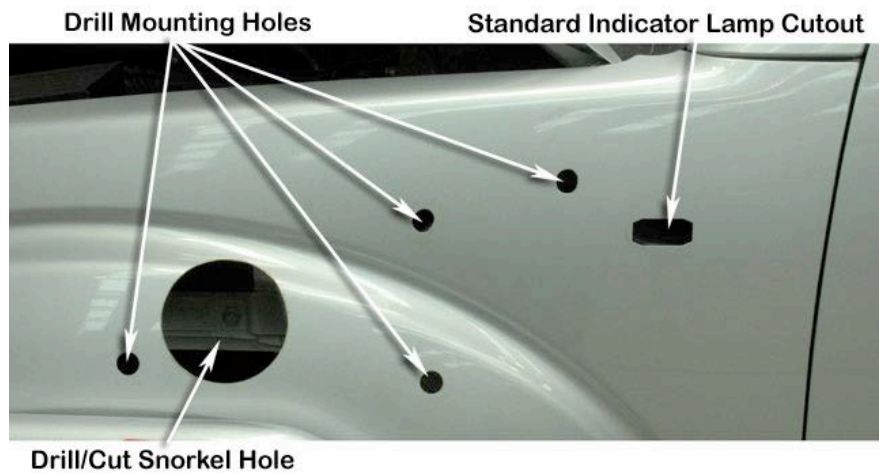
Tape the template to the rear, upper and lower edges of the left hand guard using the indicator hole as a reference point.

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.



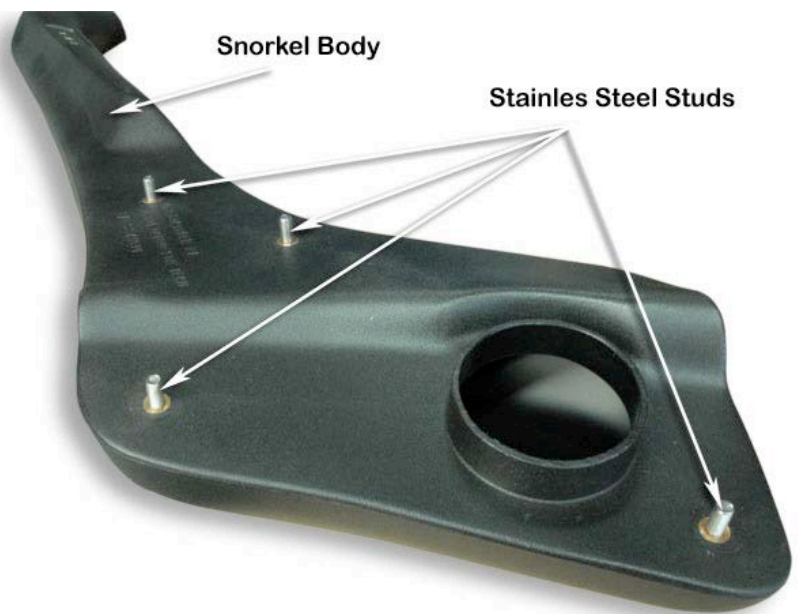
4

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

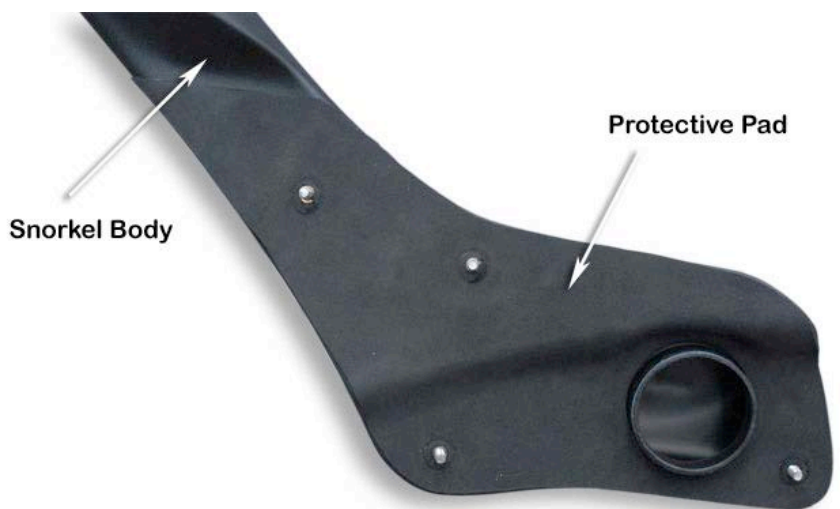
Apply Loctite to all four studs (Item 7) and install the studs into the snorkel body mounting inserts.



6

Remove the backing paper from the snorkel body foam pad (Item 16).

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

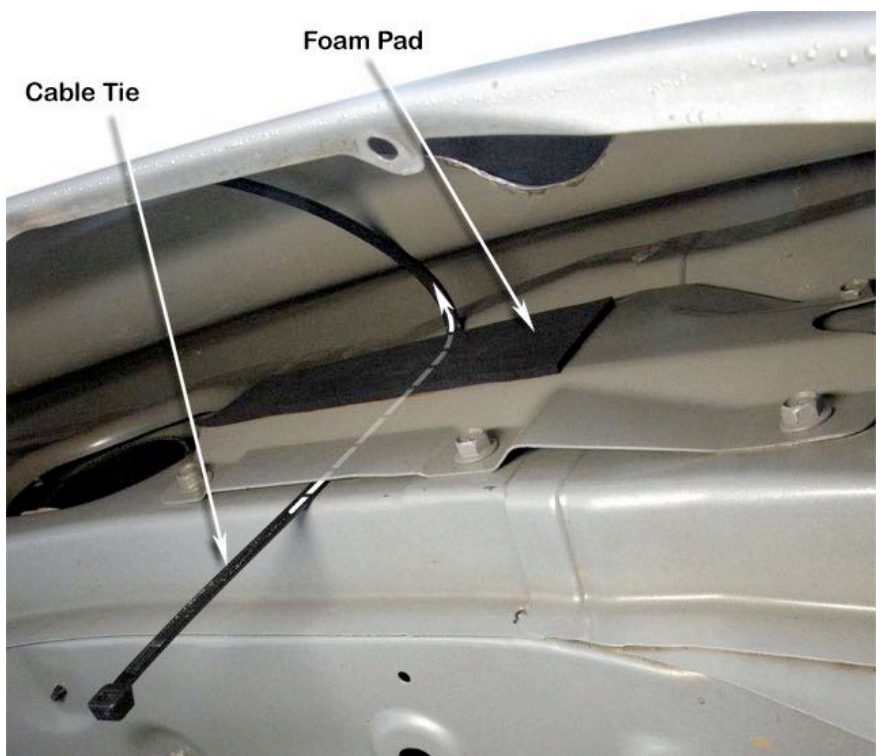


7

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 15) and install the foam pad into position on the steel brace.

Pass the cable tie strap (Item 14) 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).

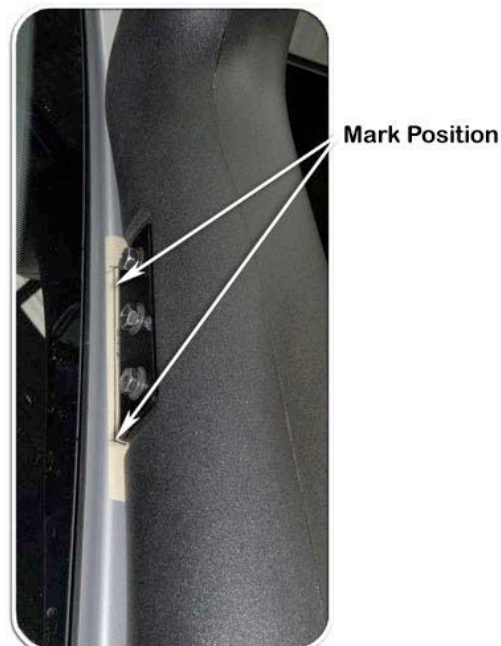
10

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 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

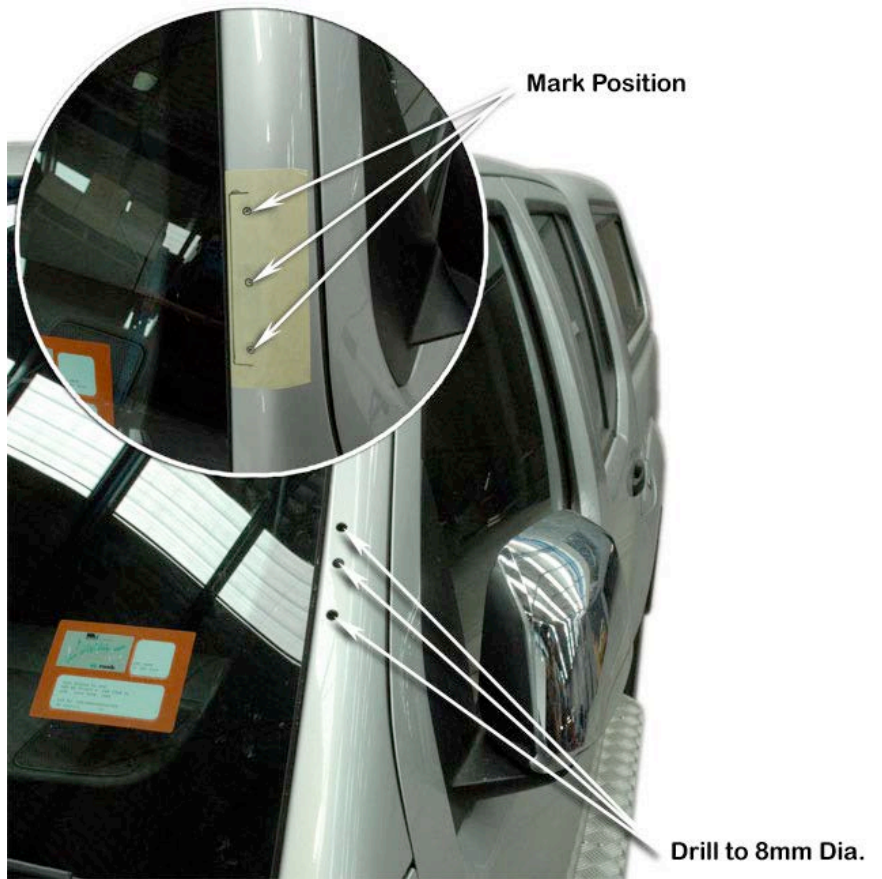


12

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).

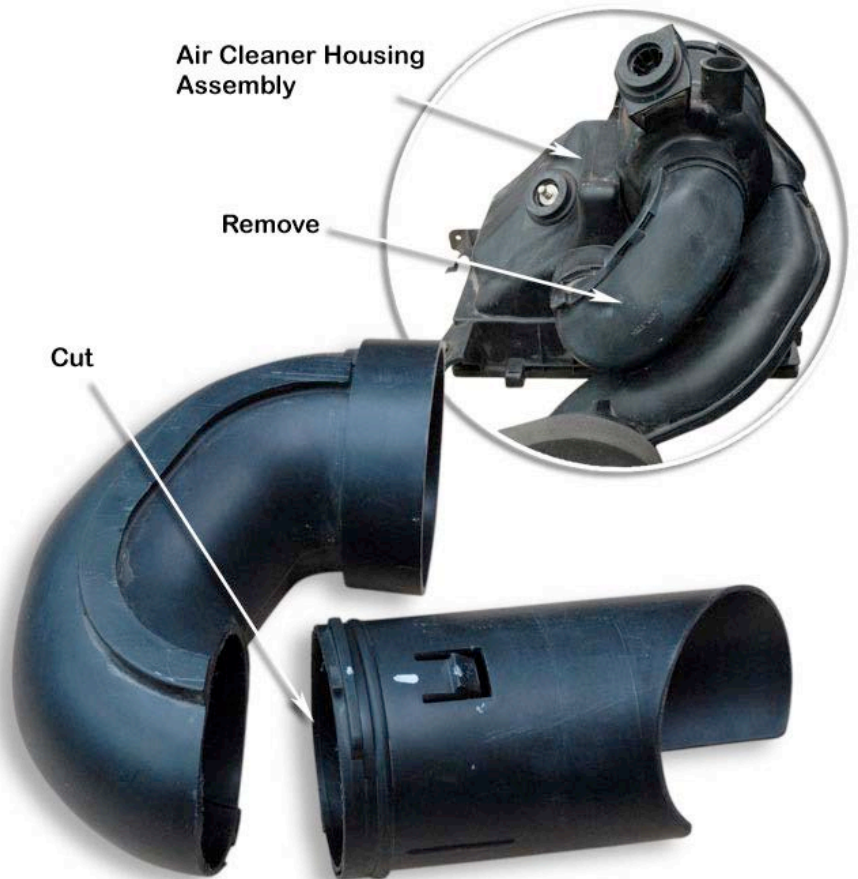


13

Mark the position of the duct inside the air cleaner housing and then remove all of the plastic air intake ducting from the air cleaner housing as shown.

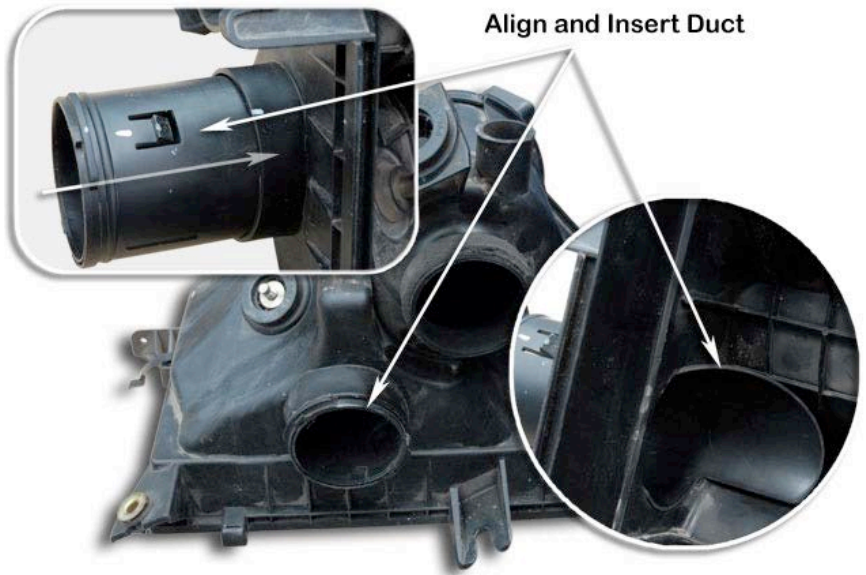
Cut the plastic duct as shown (using a hacksaw or air-saw) and file/grind any rough edges.

Clean the air cleaner housing and duct using prep-wash or similar solvent.



14

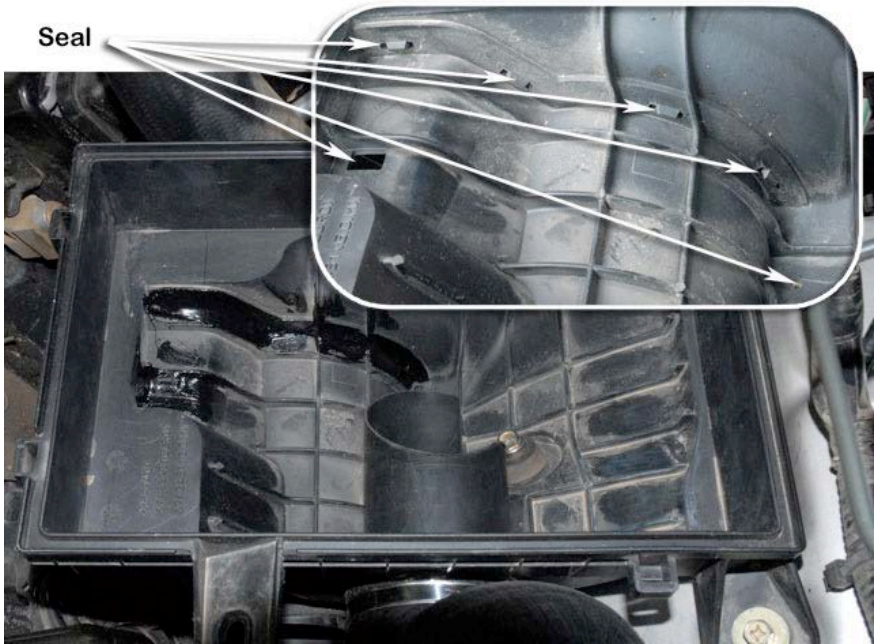
Apply Sikaflex sealant to the cut piece of duct and install back into the air cleaner housing - ensuring that the alignment of the duct matches the marks made in the previous step.



Align and Insert Duct

15

Apply Sikaflex sealant to the holes and cutouts in the air cleaner housing as shown.

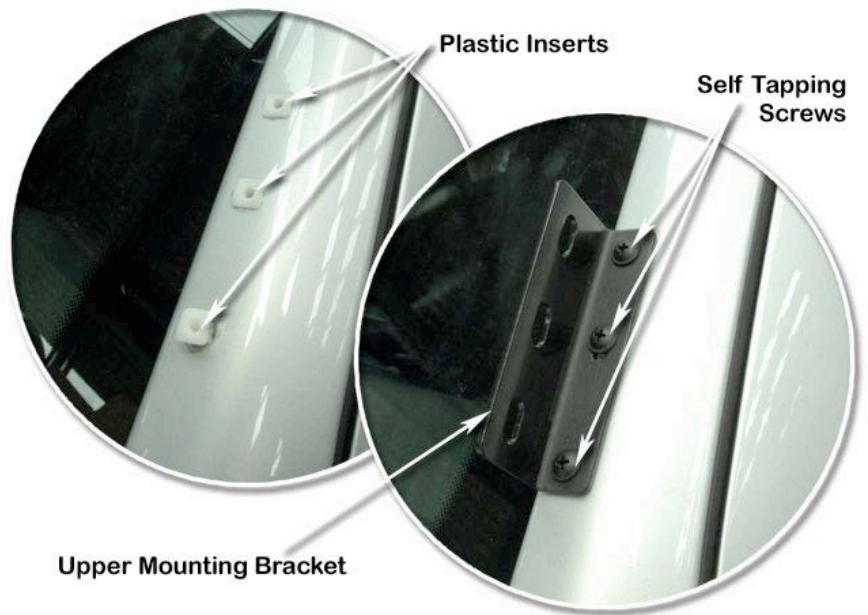


Seal

16

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).



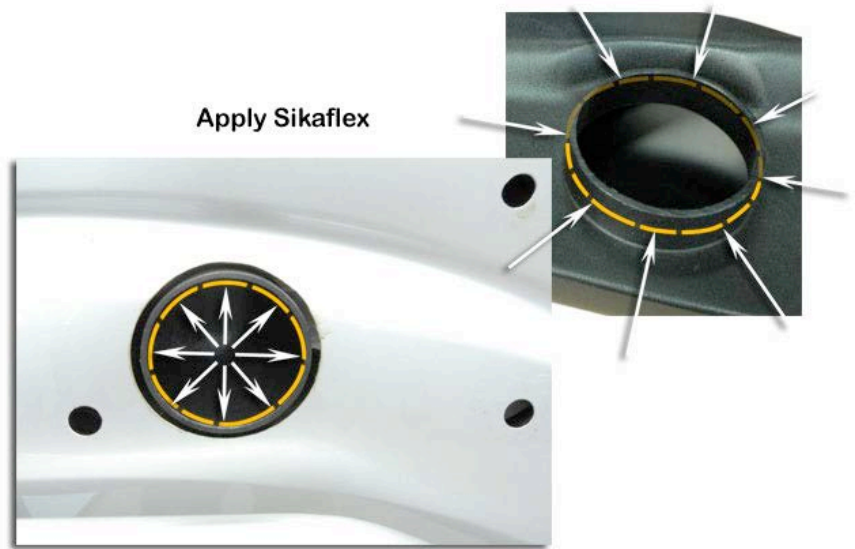
Plastic Inserts

Self Tapping Screws

Upper Mounting Bracket

17

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.

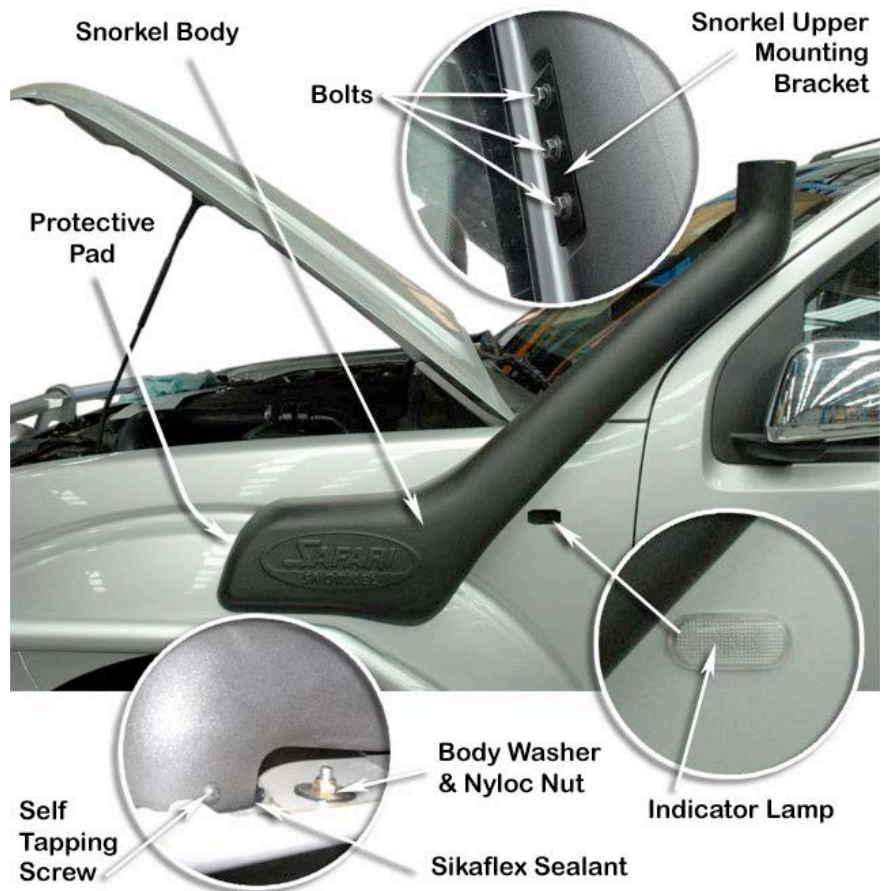


18

Whilst guiding the snorkel body outlet snout into the inner duct, install the snorkel body to the guard panel.

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

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



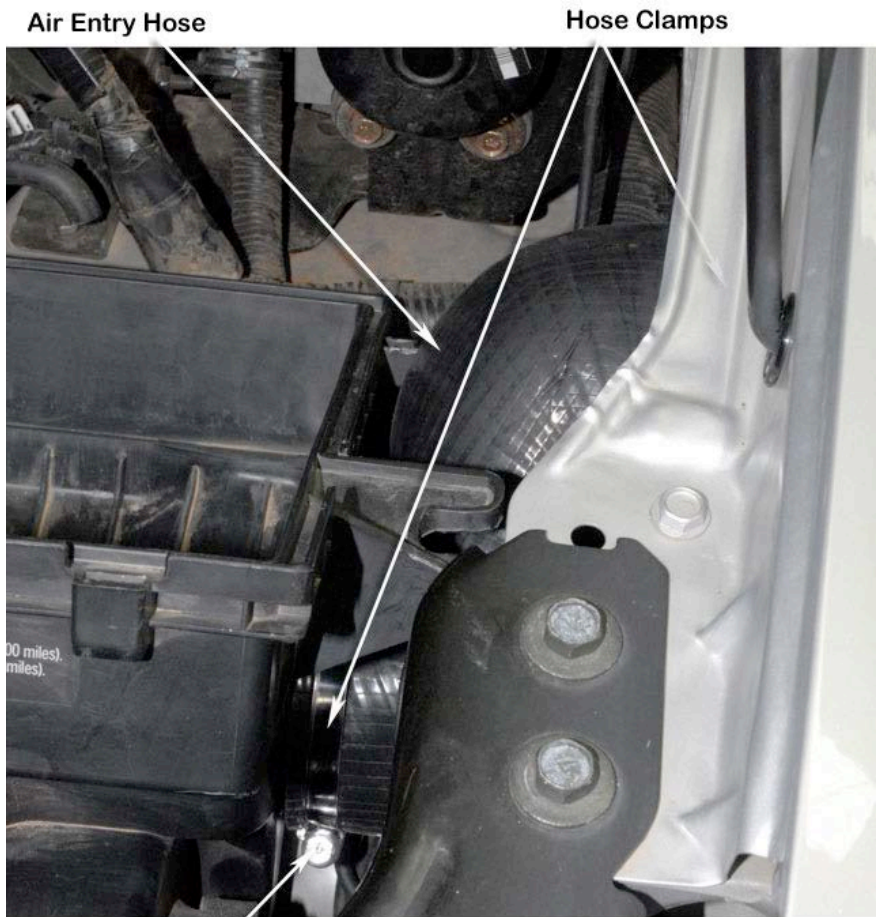
19 Ensure that a positive seal is achieved between the snorkel body snout and the inner duct by pushing the two components together and secure the inner duct to the snorkel body with a self-tapping screw (Item 5) as shown above.

20

Place the hose clamps (Items 12 & 13) over the air entry hose (Item 11) and install the air entry hose onto the inner duct (Item 10).

Install the air cleaner housing back into position and install the air entry hose (Item 11) onto the air cleaner housing. Fasten the air cleaner housing mounting bolts.

Ensure that the air entry hose (Item 11) is correctly installed and tighten the hose clamps (Items 12 & 13).



Note Orientation of Hose Clamp

21

Install the Air Ram (Item 2) onto the snorkel body and tighten the size 56 black hose clamp (Item 18).



22 Reinstall the air filter element, air cleaner housing top and attach wiring etc. Reinstall the inner guard liner and mud flap and road test vehicle.

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