

SS385HF SAFARI V-SPEC SNORKEL

LAND ROVER DISCOVERY 3 & 4 2.7L & 3.0L TDV6 & TDV6 SE

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		24/11/09	
ITEM	DESCRIPTION	QTY	PART NO
1	BODY – SNORKEL	1	830-133-800
2	31/2" AIR RAM ASSEMBLY	1	000-135-800
3	BRACKET - UPPER MOUNTING	1	830-032-800
4	BOLT - HEX - 6mm x 1.0 x 14mm (SEMS)	3	000-002-100
5	POP RIVET – 4.8mm x 14mm	8	000-958-350
6	STUD – S/S - 8mm x 1.25 x 25mm O/L	2	000-110
7	WASHER - BODY - 8mm x 30mm	2	000-311-300
8	NUT - NYLOC - 8mm x 1.25mm	2	000-205-300
9	STUD – S/S 6mm x 1.0 x 25mm OL	3	000-108
10	WASHER - BODY - 6mm x 18mm S/S	3	000-353
11	NUT - NYLOC - 6mm x 1.0mm	3	000-204
12	DUCT – CONNECTING	1	830-023-800
13	CUFFED HOSE – 82mm ID x 750mm	1	000-887-075
14	CLAMP HOSE – 80/100mm	2	000-909
15	SEAL – FOAM	1	830-410-800
16	TEMPLATE – GUARD PANEL	1	830-017-800
17	TEMPLATE – INNER GUARD	1	830-217-800
18	TEMPLATE – MOUNTING BRACKET	1	830-217-825
19	TEMPLATE – 'A' PILLAR TRIM	1	830-217-850
20	HOSE – CLAMP – SIZE 56 (BLACK)	1	000-914/B



SS385HF SAFARI V-SPEC SNORKEL LAND ROVER DISCOVERY 3 & 4

2.7L & 3.0L TDV6 & TDV6 SE

Fitment to:Right hand sideFitting time:Approximately 180 minutesSpecial Tools:Air hacksaw
Step drill
Sikaflex 227 adhesive sealant
5mm Specialist drill bit for hard steel
Pop rivet gun

Prior to commencing the installation, it is the installer's responsibility to verify that all components and particularly the template (Item 16) are correct.

Installation Guide

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

- Air cleaner assembly
- Right hand wheel arch liner
- 2

Discovery 3;

Align the guard panel template (item 16) along the lower crease and to the rear edge of the guard panel as shown, using the two cutouts of the template as a guide only.

- Air intake grille and air ducting
- 'A' pillar trim



Discovery 4;

Align the guard panel template (item 16) along the lower crease and to the rear edge of the guard panel as shown, **Do not align the** *template cut-outs to the standard air intake hole of the guard panel.*

Using a felt tip pen, mark all of the hole positions and remove the template.



Drill 14mm Diameter Holes

Drill 16mm Diameter Holes

Drill a pilot hole for each marked hole positions.

Using the step drill, drill the 2 lower and the top centre holes to 14mm.

Drill the 2 front holes to 16mm.

Deburr and paint holes.



4

Tape the inner guard template (Item No. 17) into position, aligning the template with the standard air intake hole.

Using a felt tip pen, mark the section of panel that is required to be removed.

Remove the template and with an air hacksaw, cut away the marked section of inner guard panel.

Fold down any sharp edges, deburr and paint all surfaces.



5

Tape the mounting bracket template (Item No. 18) into position, aligning the template up with the 3rd and 4th holes from the top of the 'A' pillar.

Using a felt tip pen, mark all mounting bracket hole positions and remove template. Using a specialist drill bit for hard steel at the recommended drill speed, drill the 5 marked hole positions to 5mm diameter.



3

Apply Sikaflex adhesive sealant to the upper mounting bracket surface.

Apply Sikaflex adhesive sealant to the underside of the pop-rivets (Item No. 5) and secure the mounting bracket to the 'A' pillar.



7 Tape the 'A' pillar trim template into position on the underside of the 'A' pillar plastic trim (note: cut away the foam edging from the plastic trim to insert the template).

Mark the 2 hole positions on the 'A' pillar plastic trim and remove the template.

Drill the 2 marked hole positions to 6mm and mark a straight line either side of the holes. Using the air hacksaw, cut the required slot in the 'A' pillar plastic trim. Note: cut the outer side of the trim first then the inner side to prevent the trim from cracking. Using a file, smooth up the slot.





8

Re-fit the 'A' pillar trim, checking the clearance to the mounting bracket.

If required, Remove 'A' pillar trim and file the slot larger where need to achieve clearance.

Install the cuffed hose through the main hole in the guard, rotating the cuffed hose whilst feeding through the internal cavity. Feed the cuffed hose right up to the hole in the inner guard.

Position the hose clamp onto the end of the cuffed hose, install the connecting duct into the cuffed hose, with the connecting duct and cuffed hose correctly positioned, fasten the hose clamp.

Insert Cuffed Hose Hose Clamp Install Air Cleaner Duct

Drill & Pop-Rivet

11

10

Install the 3 x 6mm studs and 2 x 8mm studs into the snorkel body inserts. Position the hose clamp onto the cuffed hose and carefully install the snorkel body onto the guard, guiding the snorkel body snout into the cuffed hose.

With the snorkel body correctly positioned onto the guard, fasten the snorkel body to guard and upper mounting bracket using necessary hardware. With the cuffed hose correctly positioned onto the snorkel body snout, fasten the hose clamp.

Drill the 3 connecting duct mounting hole positions to 5mm and secure the connecting duct to the inner guard panel using pop rivets (Item no.5).





12 With the snorkel body correctly secured to the guard and upper mounting bracket, check the clearance of the snorkel body relative to the bonnet in the open and closed position, if required re-align the snorkel body of the guard to achieve adequate clearance.

13

Remove the self-adhesive backing from the foam seal (Item No. 15) and secure to the connecting duct.

Apply a liberal amount of Sikaflex adhesive sealant to the inside of the connecting duct and around the intake snout and flange of the air filter housing, to ensure a watertight connection is achieved.

Carefully re-install the air filter housing into position, ensuring all surfaces seal together correctly.



Foam seal

Stock air filter assembly



14

Carefully re-fit the air filter element and air filter lid, ensuring not to disturb the sealed connection of the air intake.



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