



SAFARI V-SPEC SNORKEL

SS18HF

06/12/05

ITEM	DESCRIPTION	QTY	PART NO
1	BODY – SNORKEL (SS17HF)	1	485-133-200
2	3 ½” AIR RAM ASSEMBLY	1	000-135-800
3	DUCT – INNER (SS17HF)	1	485-124-200
4	DUCT – CONNECTING (SS16HF)	1	485-123-500
5	BRACKET – UPPER MOUNTING	1	485-032-000
6	BOLT–HEX 6mm x 1.0mm x 14mm(SEMS)	6	000-002-100
7	SCREW – S/T 4.2mm x 16mm	4	000-951-300
8	INSERT – PLASTIC	3	000-960
9	STUD S/S 8mm x 1.25mm x 25mm O/L	3	000-110
10	WASHER – BODY 8mm x 30mm	3	000-311-300
11	NUT – NYLOC 8mm x 1.25mm	3	000-205-300
12	HOSE – RUBBER 82mm ID x 65mm	1	000-806-250E
13	CLAMP – HOSE 80/100mm	2	000-909
14	BOLT – HEX 6mmx1.0mmx20mm (SEMS)	2	000-003-100
15	SCREW – S/T 4.8mm x 16mm	1	000-951-500
16	TEMPLATE	1	485-017-200
17	TEMPLATE – AIR CLEANER DUCT	1	485-217-000
18	TEMPLATE – CONNECTING DUCT	1	485-217-200
19	HOSE CLAMP – SIZE 56 (BLACK)	1	000-914/B



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SS18HF

NISSAN GU PATROL Series 4

4.8L EFI Petrol (TB48(DE) engine)

Fitment to: Left hand side

Fitting time: Approximately 120 minutes

Special Tools: 108mm Holesaw
95mm Holesaw
Step Drill
Sikaflex 227 Adhesive Sealant / Silicone (Sensor Safe)

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

Instructions:

1. Remove : Air cleaner assembly.
: Air ducting.
: Radiator overflow reservoir.
: Charcoal canister.
: Left hand front wheel arch liner.
: Left hand side indicator.
: Aerial assembly.
2. Tape the template to the upper and rear edges of the left hand guard. Using a felt tip pen, mark all hole positions. Remove template.

3.
 - a) Drill a pilot hole for each marked hole position. Using the step drill, drill the three mounting hole positions to 16mm. Using the 108mm holesaw, drill the main hole. De-burr and paint all holes.
 - b) Using the 95mm holesaw, drill a 95mm diameter hole from the engine bay side, through the internal panel (refer to drawing), protect the guard from any possible damage by placing a piece of wood up into the inner guard to prevent the holesaw from damaging the guard whilst drilling. De-burr and paint hole.
4. Using the necessary tools, bend flat approximately the first 35mm of the raised edge of the diagonal brace (refer to inset drawing) paint any bare metal surfaces caused by the bending.
5. Screw the 3 mounting studs into the snorkel body inserts, fasten the upper mounting bracket to the snorkel body using the necessary hardware. Carefully position the snorkel body onto the guard. With the snorkel body correctly positioned on the guard, mark the 3 upper mounting bracket hole positions on the "A" pillar. Remove the snorkel body from the vehicle.
6. Drill the 3 marked hole positions to 8mm. De-burr and paint holes, insert the plastic body clips into the "A" pillar.
7. Place the connecting duct template onto the connecting duct flange and mark the 3 hole positions, drill 2 x 7mm diameter holes and 1 x 2mm diameter hole (refer to drawing). Install the connecting duct, fasten into position using fasteners supplied (Item no. 6).
8. Place the air cleaner duct template onto the air cleaner duct flange, mark the 3 positions on the duct flange which are required to be removed, using a file or grinder remove the required sections from the duct flange. Apply a liberal amount of sealant to the air cleaner duct flange and fasten to the connecting duct using fasteners supplied (Item no.'s 14 and 15).
9. Re-fit the radiator overflow reservoir and charcoal canister. Apply a liberal amount of sealant to the inside of the air cleaner duct at either end. Install the air cleaner assembly and duct into the vehicles. If required apply additional sealant to ensure a water-tight connection is achieved between the ducting and air cleaner housing.
10. Position the hose and hose clamps onto the inner guard duct (Item no. 3) with the hose clamps in position, install the inner duct into position, apply a liberal amount of sealant to the inner duct and around the outside surface of the snorkel body snout, to ensure a watertight connection between the snorkel body snout and the inner duct is achieved. Install the snorkel body to the guard, guiding the snorkel body snout into the inner duct. With the snorkel body correctly positioned, fasten to the guard using necessary hardware. Fasten the upper mounting bracket to the "A" pillar using necessary hardware.

11. Ensure the inner duct is hard up against the shoulder on the snorkel body. With the inner duct correctly positioned at either end, secure the duct to the snorkel body using self tapping screw (Item no. 7). With the hose and hose clamps correctly positioned on both ducts, fasten the hose clamps.
12. Re-install the aerial assembly and the side indicator, check the operation of both the aerial and side indicator before installing the wheel arch liner.
13. Install the air ram assembly to the snorkel body, and fasten the hose clamp.

NB: It is the installer's responsibility to ensure all connections are water tight.

SAFARI

4X4 ENGINEERING

Model No: SS18HF 12/12/2005
 Description: NISSAN PATROL GU Series 4 TB48 Petrol
 Sub Assembly: SAFARI SNORKEL

