



4X4 ENGINEERING

SS810R SAFARI R-SPEC SNORKEL

SUZUKI Sierra / Samurai / Gypsy / HOLDEN Drover
SJ50, SJ51 4 Cyl. Petrol (G13A or G13B Engines)



01/04/2015

Parts List

ITEM	PART NO.	DESCRIPTION	QTY
1	935-133-000R	BODY - SNORKEL	1
2	000-135-050	3" AIR RAM ASSEMBLY	1
3	935-032-000	BRACKET - UPPER MOUNTING	1
4	000-002-100	BOLT - HEX - 6mm x 1.0 x 14mm (SEMS)	2
5	000-951-300	SCREW - S/T - 4.2mm x 16mm - S/S	3
6	000-960	INSERT - PLASTIC	3
7	000-110	STUD - S/S - 8mm x 1.25 x 25mm	5
8	000-311-300	WASHER - BODY - S/S - 8mm x 32mm	5
9	000-205-300	NUT - NYLOC - S/S - 8mm x 1.25mm	5
10	935-024-000	HOSE - AIR ENTRY	1
11	000-906	CLAMP - HOSE - 50/70mm	1
12	000-907	CLAMP - HOSE - 60/80mm	1
13	000-918/B	CLAMP - HOSE - No. 48 (BLACK)	1
14	935-017-000	TEMPLATE - GUARD PANEL	1

Installation Guide

1

Fitment to:

- Right Hand Side

Fitting Time:

- 120min (Narrow Track Model)
- 150min (Wide Track Model)

Special Tools:

- 76mm hole saw
- Step drill
- Heat gun
- Loctite 243 (thread lock)
- Touch-up paint
- Masking Tape
- Prep-wash

Prior to commencing the installation, it is the installer's responsibility to verify that all components and particularly the template (Item 14) are correct.

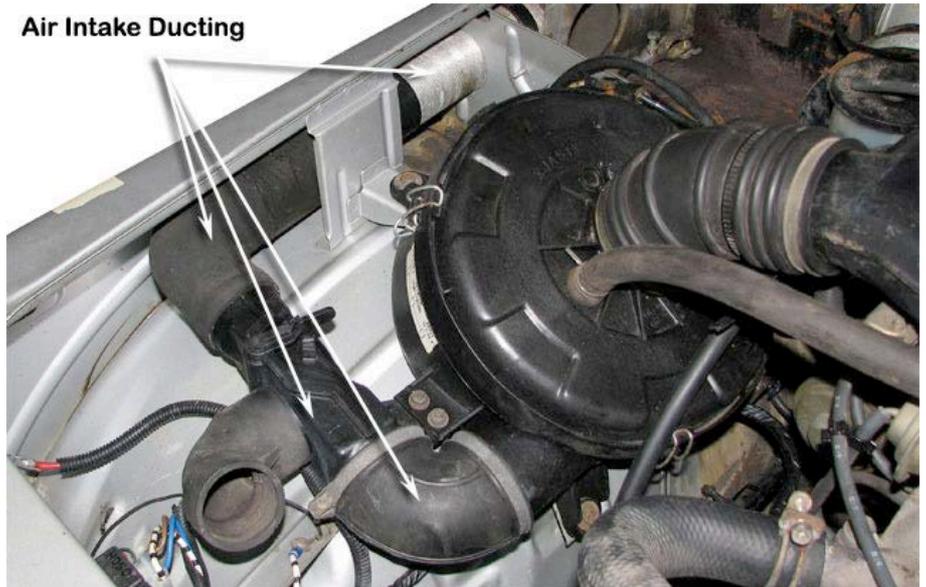
2

Remove the battery from the vehicle.

Remove and discard the air cleaner intake ducting.

Wide Track Model Only -
Remove Guard flare

Air Intake Ducting



3

Use the heat gun to carefully remove the Sierra and JX badges (if fitted) from the RHS guard panel. Clean any adhesive residue from the guard panel with prep-wash or similar solvent.

Remove

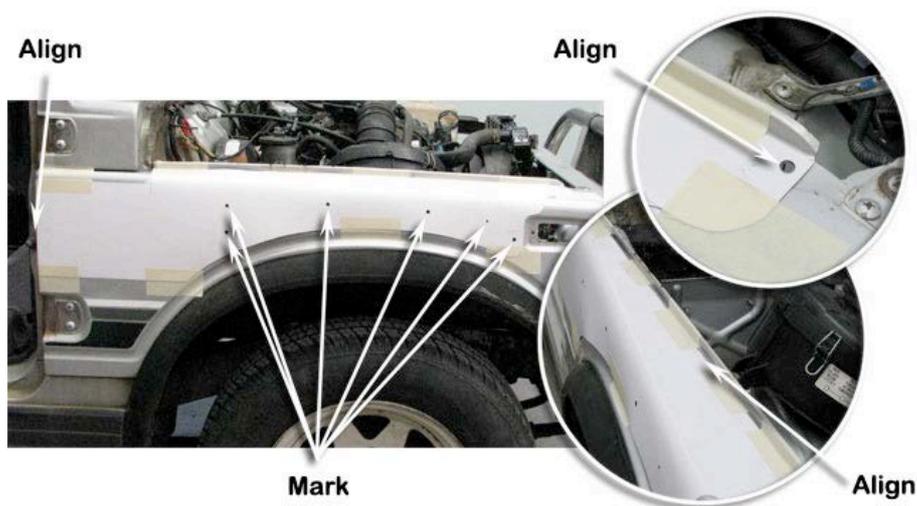


4 Align the template (Item 14) to the following points:

- the rear edge of the guard panel
- the flat of the radius of the top edge of the guard panel
- the forward hole shown. Use masking tape to hold the template in position.

With the template correctly aligned on the guard panel, use a felt tip pen to mark all hole positions.

Remove the Template.



5 Drill a pilot hole for each of the marked hole positions.

Use a 76mm diameter hole saw to drill the snorkel body outlet hole. Ensure that the hole saw is square to the guard panel whilst cutting.

Use a step drill to drill the five mounting hole positions to 16mm diameter.

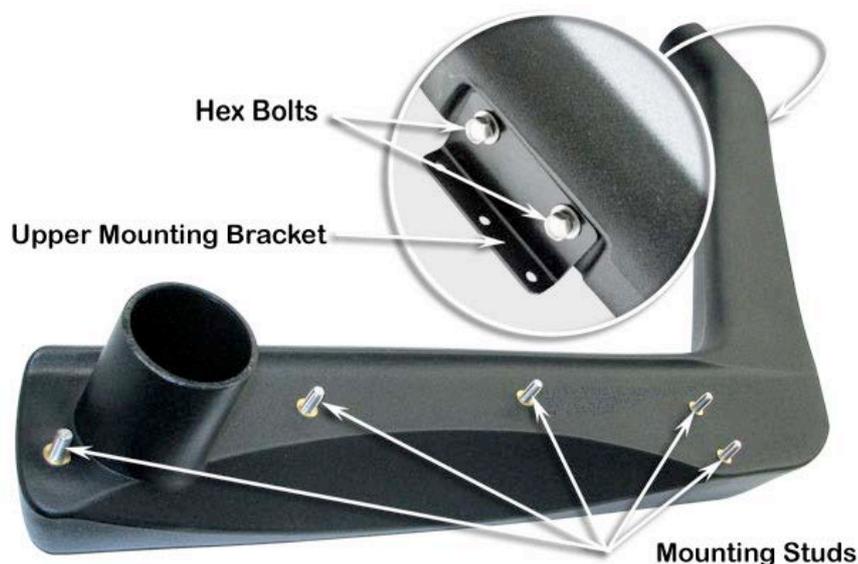
Deburr and paint holes to prevent rust.

Wide Track Model Only - Replace guard flare and trim snorkel body hole section from flare if required.



6 Install the upper mounting bracket (Item 3) to the snorkel body (Item 1) with hex bolts (Item 4).

Apply Loctite 243 to each of the stainless steel mounting studs (Item 7) and install the studs finger tight into the snorkel body inserts.



7 Place a strip of masking tape along the A-Pillar panel.

Carefully install the snorkel body (Item 1) onto the guard panel.

With the snorkel body correctly positioned, mark the three upper mounting bracket hole positions onto the masking tape as shown.



8 Remove the snorkel body (Item 1) from the vehicle and remove the upper mounting bracket (Item 3) from the snorkel body.

Drill a pilot hole at each of the three marked hole positions. Drill each hole position to 8mm diameter with a step drill or an 8mm drill bit.

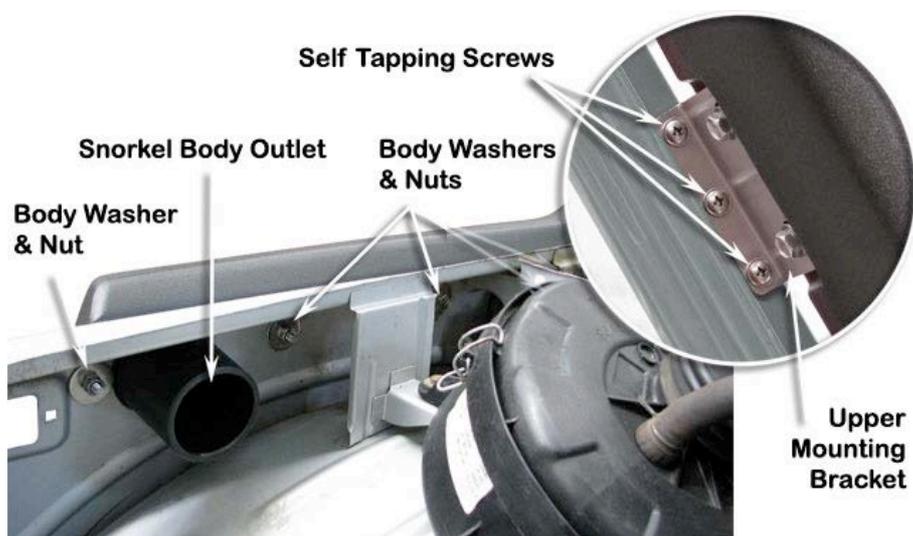
Deburr and paint the holes.

9 Install the plastic inserts (Item 6) into the upper mounting bracket holes in the A-Pillar panel.

Secure the upper mounting bracket (Item 3) to the A-Pillar with three stainless steel self tapping screws (Item 5).

Align the snorkel body to the guard panel and upper mounting bracket. When correctly aligned, fasten the snorkel body to the guard panel with body washers (Item 8) and Nyloc nuts (Item 9).

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



INSTALLER OPTION

The air cleaner housing base/underside may have a drain opening that can permit water to enter the air intake.

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

10 Install a 60/80mm hose clamp (Item 12) loosely over the snorkel body outlet end of the air entry hose (Item 10) and install the hose over the snorkel body outlet snout.

Install a 50/70mm hose clamp (Item 11) over the air cleaner housing inlet end of the air entry hose (Item 10) and install the hose over the air cleaner intake snout.

Adjust the alignment of the air entry hose for best fit and tighten the two hose clamps (Items 11 & 12).



11

Loosely install the black hose clamp (Item 13) to the base of the air ram assembly (Item 2). Install the air ram assembly onto the snorkel body.

Align the air ram assembly and tighten the black hose clamp (Item 13).



12 Install the battery and any other items that may have been removed during the snorkel installation process.

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