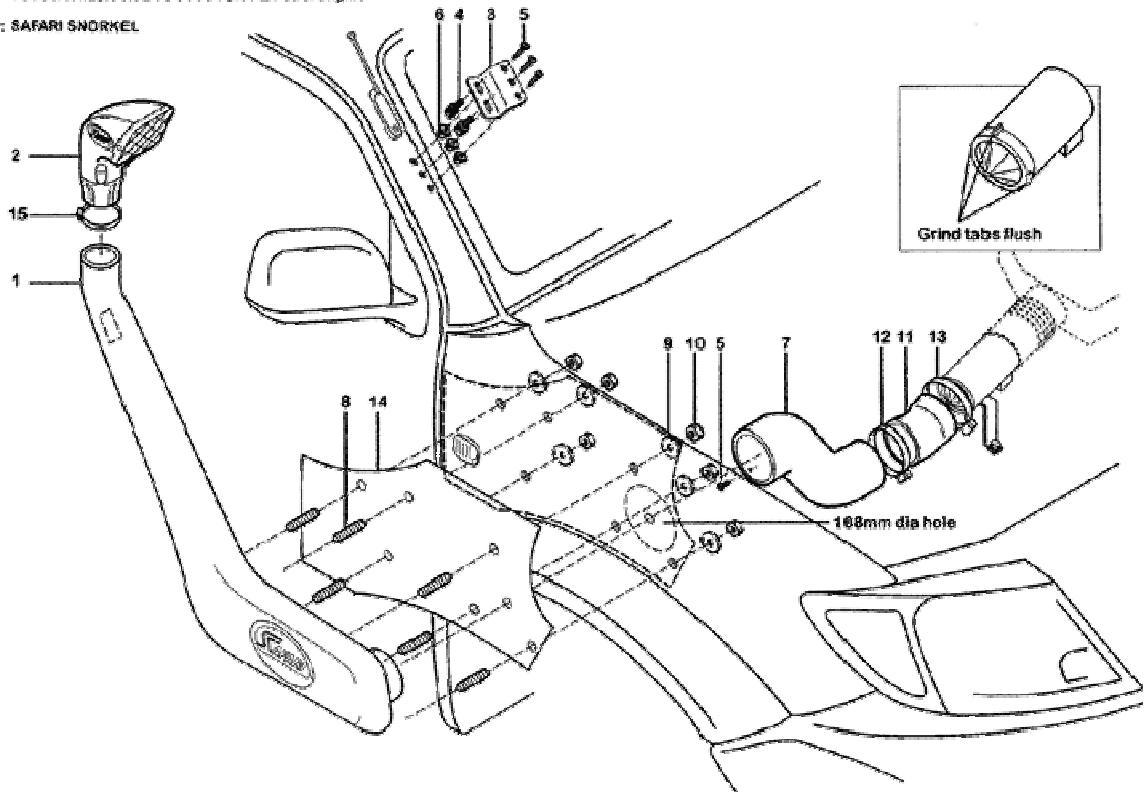


# SS 125HF

## Installation Guide

Model No: **SS125HF** 02/02/2006  
Descriptor: **TOYOTA HILUX 4.0L V6 VVT-i 1GR-FE Petrol Engine**  
Sub Assembly: **SAFARI SNORKEL**



[Click Image above for High Resolution Diagram](#)

**TOYOTA HILUX 2005 MODEL 4.0L VVT-i V6 Petrol (1GR-FE Engine)**

**Fitment to:** Right hand side

**Fitting time:** Approximately 120 minutes




**Special Tools:**

- 108mm Holesaw
- Step Drill
- Sikaflex 227 Adhesive Sealant / Silicone Sealant (Sensor Safe)
- Grinder

1	<p>Remove:</p> <ul style="list-style-type: none"> <li>• RHS front wheel arch liner</li> <li>• Air cleaner entry hose.</li> <li>• Pre-spinner assembly.</li> <li>• Air intake duct.</li> </ul>
2	<p>Tape the template to the upper and rear edges of the right hand guard, i.e. edges adjacent to the bonnet and door respectively. Using a felt tip pen, mark all hole positions. Remove template.</p>
3	<p>Drill a pilot hole for each marked hole position. Using the step drill, drill the 6 snorkel body mounting hole positions to 16mm. Using the 108mm holesaw, drill the main hole. De-burr and paint all holes.</p>
4	<p>Screw the 6 mounting studs into the snorkel body inserts. Fasten the upper mounting bracket to the snorkel body using necessary hardware. Carefully position the snorkel body onto the guard. With the snorkel body positioned on the guard, check there is adequate clearance between the upper mounting bracket fastening bolts and the door frame, whilst opening the door. Once confirmed, mark the 3 hole positions of the upper mounting bracket on the 'A' pillar, remove the snorkel body from the vehicle.</p>
5	<p>Drill the 3 marked hole positions to 8mm. Pay close attention, to ensure the aerial cable is not damaged in any way by drilling too deep into the 'A' pillar cavity. Deburr and paint holes. Insert the plastic body clips into the 'A' pillar, then fasten the upper mounting bracket to the 'A' pillar using necessary hardware.</p>
6	<p>Using a grinder, remove the 3 lugs from around the pre-spinner assembly inlet (refer to inset drawing). Install the inner duct (item no.7) into position. Install the air entry hose (Item No. 11), hose clamps, pre-spinner assembly and air cleaner entry hose into position.</p>
7	<p>Apply a liberal amount of sealant to the inside of the inner duct and around the external surface of the snorkel body snout. Apply enough sealant to both parts to ensure a watertight connection 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 snorkel body using necessary hardware.</p>
8	<p>Before securing the inner duct to the snorkel body snout, ensure the inner duct is hard up against the shoulder on the snorkel</p>

- body. With the inner duct correctly positioned, secure to the snorkel body using self tapping screw (item no.5).
- 9** With the inner duct secured to the snorkel body snout correctly position the air entry hose, rotating the hose until it is correctly aligned onto the pre-spinner assembly, with the hose correctly positioned at either end fasten the hose clamps.
- 10** Re-install the wheel arch liner.
- 11** Install the air ram assembly to the snorkel body and fasten hose clamp.

**WARNING: IT IS THE INSTALLERS RESPONSIBILITY TO ENSURE ALL CONNECTIONS ARE WATER TIGHT.**

ITEM	IMAGE	DESCRIPTION	QTY	PART NO.
1		BODY - SNORKEL (SS120HF)	1	320-133-000
2		3 1/2" AIR RAM ASSEMBLY	1	000-135-650
3		BRACKET - UPPER MOUNTING	1	320-032-000

4		BOLT - HEX 6.0mm x 1.0 x 14mm (SEMS)	2	000- 002- 100
5		SCREW - S/T 4.2mm x 16mm	4	000- 951- 300
6		BODY CLIP - PLASTIC	3	000- 960
7		DUCT - INNER	1	320- 124- 500
8		STUD - S/S 8mm x 1.25 x 25mm - O/L	6	000- 110
9		WASHER - BODY 8mm x 30mm	6	000- 311
10		NUT - NYLOC 8mm x 1.25mm	6	000- 205

11		HOSE - AIR ENTRY (SILICONE)	1	320-024-000
12		CLAMP - HOSE 80/100mm	1	000-909
13		CLAMP - HOSE 90/110mm	1	000-910
14		TEMPLATE	1	320-017-000

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HOSE CLAMP -  
SIZE 56 (BLACK)

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000-  
914/B