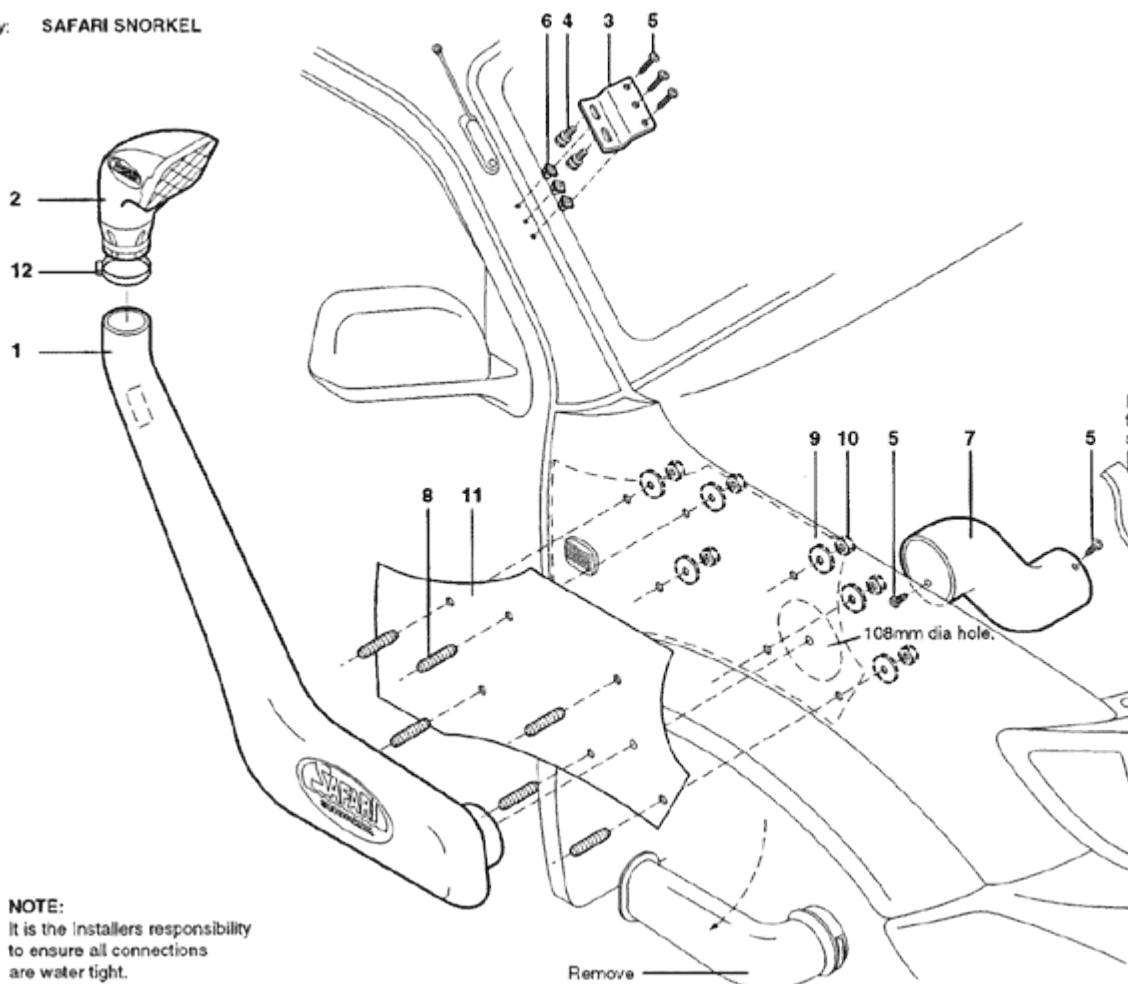


SS 120HF

Installation Guide

Model No: **SS120HF**
Description: **TOYOTA HILUX 2005 MOD. 3.0L D4D TDI (1KD-FTV Engine)**
Sub Assembly: **SAFARI SNORKEL**

23/05/05



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

TOYOTA HILUX 2005 MODEL 3.0L D4D TDI (1KD-FTV 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)

1	Remove: • Air cleaner assembly. • RHS front wheel arch liner. • Air intake duct.
2	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.
3	Drill a pilot hole for each marked hole position. Using the step drill, drill the six mounting hole positions to 16mm. Using the 108mm holesaw, drill the main hole. De-burr and paint all holes.
4	Screw the six mounting studs into the snorkel body inserts, then fasten the upper mounting bracket to the snorkel body using necessary hardware. Carefully position the snorkel body onto the guard and 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 and remove the snorkel body from the vehicle.
5	Drill the 3 marked hole positions to 8mm de-burr and paint holes. Pay close attention to ensure the aerial cable is not damaged by drilling too far. Insert the plastic body clips into the 'A' pillar then fasten the upper mounting bracket to the 'A' pillar using necessary hardware.
6	Remove the foam tape from the air cleaner snout and install the air cleaner housing into position. Install the inner duct (Item no.7) to the air cleaner snout. With the inner duct in position, apply a liberal amount of sealant to the inside of the inner duct and the snorkel body snout to ensure a watertight seal. 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.
7	Ensure the inner duct is hard up against the shoulder on the snorkel body. With the inner duct correctly positioned, secure to the snorkel body using self tapping screw (Item no.5).
8	Remove the air cleaner housing and apply a liberal amount of sealant to the inside of the inner duct and the air cleaner snout

	Re-install the air cleaner housing, guiding the air cleaner snout into the inner duct. With the air cleaner housing correctly fastened into position, secure the inner duct to the air cleaner housing using self taper screw (Item no.5). Clean up any excess sealant to ensure a neat job of the connection.
9	Re-install the air cleaner element, lid etc. Re-install the wheel arch liner.
10	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	1	320-133-000
2		3 ½" 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	5	000- 951- 300
6		BODY CLIP - PLASTIC	3	000- 960
7		DUCT - INNER	1	320- 124- 000
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		TEMPLATE	1	320-017-000
12		HOSE CLAMP - SIZE 56 (BLACK)	1	000-914/B