



SAFARI R-SPEC SNORKEL

SS145R

1/04/2015

ITEM	DESCRIPTION	QTY	PART No.
1	BODY - SNORKEL	1	315-133-200R
2	3 1/2" AIR RAM ASSEMBLY	1	000-135-800
3	BRACKET - UPPER MOUNTING	1	315-032-400
4	BOLT - HEX 6.0mm x 1.0 x 14mm	3	000-002-100
5	SCREW - S/T 4.2mm x 13mm	3	000-951
6	BODY CLIP - PLASTIC	3	000-960
7	HOSE - AIR ENTRY	1	315-024-000
8	STUD - S/S 8mm x 1.25mm x 25mm O/L	6	000-110
9	WASHER - BODY 8.0mm x 30mm	6	000-311-300
10	NUT - NYLOC 8mm x 1.25mm	6	000-205-300
11	CLAMP - HOSE 70/90mm	2	000-908
13	JOINER - STEEL 70mm OD x 40mm	1	315-025-400
14	POP RIVENT - 5.0mm x 12mm	3	000-958-300
15	BOLT - HEX 6.0mm x 1.0 x 55mm	1	000-009
16	WASHER - STAR 6.0mm	1	000-304
17	WASHER - BODY 6.0mm x 20mm	1	000-321
18	SPACER - 6.5mm ID x 20mm OD x 24mm	1	000-992-400
19	SLEEVE - AIR INLET 65mm OD x 37mm ID	1	315-025-600
20	TEMPLATE	1	315-017-200
21	HOSE CLAMP - SIZE 56 (BLACK)	1	000-914/B



SAFARI R-SPEC SNORKEL

TOYOTA HILUX 3.0L DIESEL

(5L Engine)

- Fitment to:** Left hand side
- Fitting time:** Approximately 120 minutes
- Special tools:** 92mm Holesaw
Air hacksaw
Pop rivet gun
Step drill
Super glue
Silicone

Prior to commencing the installation, it is the installer's responsibility to verify that all components and particularly the template (Item 20) are correct.

Instructions:

1. Remove:
Air cleaner assembly
Air entry duct/Boom bottle assembly
Left hand front wheel arch liner
Inner guard ducting
Left hand indicator assembly
2. Remove air cleaner assembly and air entry duct. Remove 90 degree adaptor from air entry duct (Drill out rivets). Insert steel joiner (Item 13) into plastic air entry duct and mark pop rivet holes on steel joiner. Remove steel joiner and drill holes to 5mm. Apply silicone to joiner and insert into plastic duct. Install pop rivets. Refit air entry duct with spacer and bolt supplied. Super glue air inlet sleeve (item 19) to plastic duct on engine, as per drawing.

PLEASE NOTE: Do not install Item 19 if the vehicle is turbocharged!

3. Tape template to upper rear corner of left hand guard. With a felt pen, mark all holes. Drill a 4mm pilot hole for each hole position. Drill main hole to 92mm using the holesaw. Drill the remaining 6 holes to 16mm using the step drill. Using the air hacksaw enlarge the main hole as per template. De-burr and paint all holes
4. Screw the 6 mounting studs, finger tight, 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 correctly positioned, mark the 3 mounting bracket hole positions on the 'A' pillar. Check for adequate clearance between the Snorkel body and door frame, remove the Snorkel body.
5. Drill the 3 hole positions on the 'A' pillar to 8mm, deburr and paint holes. Insert plastic body clips into the 'A' pillar.
6. Position Snorkel body onto the guard, with the Snorkel body correctly positioned, fasten using necessary hardware, fasten upper mounting bracket to the 'A' pillar.
7. Install air entry hose (Item 7) to the Snorkel snout and air entry duct, with the hose correctly positioned, fasten the hose clamps. Ensure there is clearance between hose and guard.
8. Refit air cleaner assembly sealing the connection between the air cleaner housing inlet and the air entry duct using a silicone sealant. Refit wheel arch liner and indicator assembly.
9. Install the black hose clamp (item 21) loosely over 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 21)

N.B: It is the installer's responsibility to ensure that all connections are watertight.

SAFARI

4X4 ENGINEERING

Model No: **SS145R**
Description: TOYOTA HILUX 3.0L DIESEL (5L ENGINE)
Sub Assembly: SAFARI SNORKEL

17/01/01

NOTE:
It is the Installer's responsibility
to ensure all connections
are water tight.

