



SAFARI R-SPEC SNORKEL

SS146RE

01/04/15

ITEM	DESCRIPTION	QTY	PART NO.
1	BODY - SNORKEL	1	315-133-200R
2	3 ½" AIR RAM ASSEMBLY	1	000-135-800
3	BRACKET - UPPER MOUNTING	1	315-032-400
4	BOLT - HEX 6.0mm x 1.0mm x 14mm	3	000-002-100
5	SCREW - S/T 4.2mm x 13mm	3	000-951
6	PLASTIC 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 8mm x 30mm	6	000-311-300
10	NUT - NYLOC 8mm x 1.25mm	6	000-205-300
11	CLAMP - HOSE 70/90 mm	2	000-908
12	SLEEVE - AIR INLET (S/S)	1	315-025-500
13	TEMPLATE	1	315-017-200
14	HOSE CLAMP - SIZE 56 (BLACK)	1	000-914/B



SAFARI R-SPEC SNORKEL

SS146RE

TOYOTA HILUX 3.0L DIESEL

(5LE Engine)

Fitment to: Left hand side
Fitting time: Approximately 120 minutes
Special Tools: 92mm holesaw
Air hacksaw
Step drill
Sensor safe silicone

Prior to commencing the installation, it is the installer's responsibility to verify that all components and particularly the template (Item 13) are correct.

Instructions:

1. Remove: Air cleaner assembly
Air entry duct
Left hand front wheel arch liner
Inner guard ducting
Left hand indicator assembly
2. Tape template to upper rear corner of left hand guard. With a felt pen, mark all hole positions, remove template.
3. Drill a 4mm pilot hole for each hole position. Using the step drill, drill the 6 Snorkel mounting hole positions to 16mm, using the 92mm holesaw,

- drill the main hole, 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. Apply silicone to the snorkel body inlet and install the air inlet sleeve (item 12) into position.
N.B.: DO NOT install air inlet sleeve if the engine is turbocharged
 8. Remove the foam tape from the air entry duct, using a hacksaw, carefully cut off the 90 degree bend from the duct (refer to drawing for detail). Refit air entry duct.
 9. Install air entry hose (Item 7) to the Snorkel snout and air entry duct, with the hose correctly positioned, fasten the hose clamps.
 10. Refit air cleaner assembly sealing the connection between the air cleaner housing inlet and the air entry duct using a silicone sealant (sensor safe). Refit wheel arch liner and indicator assembly.
 11. Install the black hose clamp (item 14) 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 14).

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



4X4 ENGINEERING

SS146RE

TOYOTA HILUX & SR5 HILUX 3.0L DIESEL (5LE ENGINE)

SAFARI SNORKEL

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

