



## SAFARI R-SPEC SNORKEL

**SS143R**

01/04/15

| ITEM | DESCRIPTION                        | QTY | PART No.     |
|------|------------------------------------|-----|--------------|
| 1    | BODY - SNORKEL (SS145HF)           | 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 - S/S     | 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 8mm x 30mm - S/S     | 6   | 000-311-300  |
| 10   | NUT - NYLOC 8mm x 1.25mm - S/S     | 6   | 000-205-300  |
| 11   | CLAMP - HOSE 70/90mm               | 2   | 000-908      |
| 13   | TEMPLATE                           | 1   | 315-017-200  |
| 14   | HOSE CLAMP - SIZE 56 (BLACK)       | 1   | 000-914/B    |



## SAFARI R-SPEC SNORKEL

# SS143R

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**TOYOTA HILUX 3.0L TURBO DIESEL**

**(1KZ-TE Engine)**

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**Fitment to:** Left hand side

**Fitting Time:** Approximately 120 minutes

**Special Tools:** 92mm holesaw  
Air hacksaw  
Step drill  
Sensor safe silicone

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

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### Instructions:

1. Remove: Air cleaner assembly  
Air entry duct  
Left hand front wheel arch liner  
Inner guard ducting  
Left hand indicator assembly

2. 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.
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. Using the 92mm holesaw, drill the main hole. 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.
8. 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.
9. 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.**

# SAFARI

## 4X4 ENGINEERING

Model No. **SS143R**  
Description: **TOYOTA HILUX & SR5 HILUX 3.0L TURBO DIESEL (1KZ-TE ENGINE)**  
Sub Assembly: **SAFARI SNORKEL**

**NOTE:**  
It is the installers responsibility  
to ensure all connections  
are water tight.

