



## SAFARI R-SPEC SNORKEL

**SS180R**

01/04/15

ITEM	DESCRIPTION	QTY	PART NO
1	BODY – SNORKEL	1	390-133-000R
2	3” AIR RAM ASSEMBLY	1	000-135-050
3	BRACKET – UPPER MOUNTING	1	390-032-000
4	STUD – S/S 8mm x 1.25mm x 25mm – O.L.	3	000-110
5	WASHER – BODY – 8mm x 40mm	3	000-349-300
6	WASHER – FLAT – 6mm x 20mm	1	000-321
7	NUT – NYLOC – 8mm x 1.25mm	3	000-205-300
8	BOLT – HEX – 6mm x 1.0mm x 12mm	1	000-001
9	WASHER – STAR – 6mm	1	000-304
10	BOLT – HEX 6mm x 14mm	3	000-002-100
11	CLIP-BODY (PLASTIC)	4	000-960
12	SCREW – SELF TAPPER – 4.2mm x 13mm	4	000-951
13	CLAMP – 60/80	2	000-927
14	CUFFED HOSE – 70mm I.D. x 500mm	1	000-884-050
15	TEMPLATE	1	390-017-000
16	SLEEVE – STEEL – 63mm O.D. x 30mm	1	390-025-000
17	HOSE CLAMP - SIZE 48 (BLACK)	1	000-918/B

# **WARNING!!**

**IT IS AN INSTALLER  
RESPONSIBILITY TO VERIFY  
ALL COMPONENTS, AND  
PARTICULARLY THE  
TEMPLATE ARE CORRECT,  
BEFORE STARTING ANY PART  
OF THE SNORKEL  
INSTALLATION.**

**(CHECK TEMPLATE AGAINST  
SNORKEL BODY)**



## SAFARI R-SPEC SNORKEL

# SS180R

---

TOYOTA LANDCRUISER PRADO

1KZ-TE 3.0L DIESEL

---

**Fitment to:** Left hand side  
**Fitting time:** Approximately 120 minutes  
**Special Tools:** 83mm hole saw  
Step drill  
Air Hacksaw

---

### Instructions:

1. Remove left hand front wheel and wheel arch liner. Remove boom bottle assembly from behind guard. Remove indicator from guard.
2. Cut boom bottle assembly as per drawing. Insert steel sleeve (item 16) with silicone.
3. Tape template to upper rear corner of left hand guard. With a felt pen mark out all holes. Drill a 4mm pilot hole for each hole position. Drill main hole to 83mm with the holesaw drill the 2 upper mounting holes to 16mm and the lower hole to 9.5mm with the step drill.

4. Using the air hacksaw, open the main hole as per template also cut out the indicator hole. File to correct shape. De-burr and paint holes.
5. Bolt upper mounting bracket to snorkel and fit upper rear stud to snorkel. Place snorkel on guard and fit remaining studs. Carefully mark around outside of upper mounting bracket. Remove snorkel and mark 4 holes on “A” pillar and drill to 8mm. De-burr and paint holes. Insert plastic plugs and fasten upper mounting bracket to “A” pillar. Install snorkel to guard and fasten using necessary hardware.
6. Install flexible duct to snorkel and boom bottle, fasten hose clamps. Install indicator and connecting wiring. Refit wheel arch and wheel.
7. Install air ram to snorkel and fasten.



# 4X4 ENGINEERING

Model No: **SS180R**  
Description: LANDCRUISER PRADO - TURBO DIESEL  
Sub Assembly: SAFARI SNORKEL

8/8/07

