

### SAFARI V-SPEC SNORKEL To Suit: Toyota LandCruiser 70 Series (Wide Nose) 4.0L V6 Petrol (1GR-FE Engine)



22/03/2012

#### Parts List

| ITEM | PART NO     | DESCRIPTION  | QTY |
|------|-------------|--|-----|
| 1    | 330-133-700 | BODY - SNORKEL (SS76HF)                              | 1   |
| 2    | 000-135-800 | 3.5" AIR RAM ASSEMBLY                                | 1   |
| 3    | 330-032-700 | BRACKET - UPPER MOUNTING                             | 1   |
| 4    | 000-002-100 | BOLT - HEX - 6mm x 1.0 x 14mm (SEMS)                 | 2   |
| 5    | 000-951-300 | SCREW - S/T - 4.2mm x 16mm - S/S                     | 3   |
| 6    | 000-960     | INSERT - PLASTIC                                     | 3   |
| 7    | 000-110     | STUD – 8mm x 1.25 x 25mm - S/S                       | 5   |
| 8    | 000-311-300 | WASHER - BODY - 8mm x 30mm - S/S                     | 5   |
| 9    | 000-205-300 | NUT - NYLOC - 8mm x 1.25mm - S/S                     | 5   |
| 10   | 330-024-750 | HOSE - AIR ENTRY                                     | 1   |
| 11   | 330-025-750 | JOINER – 90mm OD x 65mm Long (with mounting bracket) | 1   |
| 12   | 000-909     | CLAMP – HOSE - 80/100mm                              | 3   |
| 13   | 000-310-100 | WASHER - BODY 6mm x 15mm                             | 2   |
| 14   | 000-204     | NUT - NYLOC - 6mm x 1.0mm S/S                        | 2   |
| 15   | 000-953-030 | RUBBER EDGING - 300mm                                | 1   |
| 16   | 000-914/B   | CLAMP - HOSE - No.56 (BLACK)                         | 1   |
| 17   | 330-017-700 | TEMPLATE - GUARD PANEL                               | 1   |



## SS76HFE

SAFARI V-SPEC SNORKEL To Suit: Toyota LandCruiser 70 Series (Wide Nose) 4.0L V6 Petrol (1GR-FE Engine)

#### Installation Guide

Fitment to:

Special Tools:

Right Hand Side

86mm Hole saw Body Saw (Reciprocating) Step Drill Loctite 243 (Thread Lock) Masking Tape Touch-up Paint

• 120 min

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Fitting Time:

Prior to commencing the installation, it is the installer's responsibility to verify that all components and particularly the guard panel template (Item 17) are correct.

- 1 Remove the following in accordance with the factory service manual:
  - Air Cleaner Hose
  - Pre-Cleaner Assembly

Tape the template (Item 17) to the rear and upper edges of the RHS guard panel. With the template correctly positioned, mark all of the hole positions and the two cut out sections with a felt tip pen. Remove the template.



Drill a pilot hole for each marked hole position. Drill the 2 main hole positions with a 86mm hole saw. Using the body saw, cut away the two marked sections of the guard panel. Drill the 5 mounting hole

positions to 16mm with a step drill. Deburr and paint holes to prevent rust.



Cut With Air Body Saw

Drill 86mm Hole

Hex Bolts Upper Mounting Bracket

Install the upper mounting bracket (item 3) to the snorkel body (item 1) with hex bolts (item 4).

Apply loctite 243 to each of the stainless steel mounting studs (item 7) and install the studs finger tight into the snorkel body (item 1) mounting inserts.

Place a strip of masking tape along the A-pillar panel.

Carefully install the snorkel body (item 1) to the guard panel.

With the snorkel body correctly positioned, mark the three upper mounting bracket hole positions onto the masking tape as shown.

Hint: if necessary push the top of the snorkel body towards the windscreen rubber, so that the edge of the upper mounting bracket has approximately 1mm gap to the windscreen rubber.



**Mark Hole Positions** 

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Remove the snorkel body (item 1) from the vehicle and remove the upper mounting bracket (item 3) from the snorkel body.

Drill a pilot hole at each of the three marked hole positions.

Drill each hole position to 8mm diameter with a step drill or 8mm drill bit.

Deburr and paint holes to prevent rust.



# Plastic Inserts **Upper Mounting Bracket** mounting bracket (item 3)

Self Tapping Screws

Carefully install the snorkel body (item 1) to the snorkel body to the guard panel and upper mounting bracket.

Install the plastic inserts (item 6) into the 8mm diameter holes in the A-

to the A-pillar with three stainless steel selftapping screws (item 5).

Secure the upper

When correctly aligned, fasten the snorkel body to the guard panel with body washers (item 8) and nyloc nuts (item 9).

Fasten the snorkel body to the upper mounting bracket with hex bolts (item 4).

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the guard panel and align





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pillar.

Remove the mounting bracket from the precleaner assembly, install the joiner (item 11) to the bracket and secure with standard bolts, body washers (item 13) and nyloc nuts (item 14) as shown.

Discard the pre-cleaner assembly.



Install the air entry hose (item 10) through the hole in the inner guard, loosely install a 80/100mm hose clamp (item 12) to either end of the air entry hose and install the hose onto the snorkel body outlet snout.

Install the joiner (item 11) into the air entry hose, secure the mounting bracket assembly to inner guard panel with standard bolts.



#### 80/100mm Hose Clamp

Loosely install a 80/100mm hose clamp (item 12) onto the standard air cleaner hose.

Install the standard hose onto the joiner and air cleaner housing and tighten the hose clamps at either end.



Standard Air Cleaner Hose

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

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