



SS125HF

1/2/06

| ITEM | DESCRIPTION | QTY | PART NO |
|------|--------------------------------------|-----|-------------|
| 1 | BODY – SNORKEL (SS120HF) | 1 | 320-133-000 |
| 2 | 3 ½" AIR RAM ASSEMBLY | 1 | 000-135-800 |
| 3 | BRACKET - UPPER MOUNTING | 1 | 320-032-000 |
| 4 | BOLT - HEX 6.0mm x 1.0 x 14mm (SEMS) | 2 | 000-002-100 |
| 5 | SCREW – S/T 4.2mm x 16mm – S/S | 4 | 000-951-300 |
| 6 | BODY CLIP – PLASTIC | 3 | 000-960 |
| 7 | DUCT – INNER | 1 | 320-124-500 |
| 8 | STUD - S/S 8mm x 1.25 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 | HOSE – AIR ENTRY (SILICONE) | 1 | 320-024-000 |
| 12 | CLAMP – HOSE 80/100mm | 1 | 000-909 |
| 13 | CLAMP – HOSE 90/110mm | 1 | 000-910 |
| 14 | TEMPLATE – GUARD PANEL | 1 | 320-017-000 |
| 15 | HOSE CLAMP - SIZE 56 (BLACK) | 1 | 000-914/B |
| 16 | SLEEVE – AIR RAM | 1 | 000-441-200 |



SS125HF

TOYOTA HILUX 2005 MODEL 4.0L VVT-i V6 Petrol (1GR-FE Engine)

Fitment to: Right hand side

Fitting time: Approximately 120 minutes

Special Tools: 108mm Holesaw
Step Drill
Sikaflex 227 Adhesive Sealant / Silicone (Sensor Safe)
Grinder
Loctite 243 (thread lock)

Prior to commencing the installation, it is the installer's responsibility to verify that all components and particular the template (item 14) are correct.

Instructions:

1. Remove : Right hand front wheel arch liner
: Air cleaner entry hose.
: Pre-spinner assembly.
: Air intake duct.
2. Tape the template to the upper and rear edges of the right hand guard, i.e. edges adjacent to the bonnet and door respectively. Using a felt tip pen, mark all hole positions. Remove template.
3. Drill a pilot hole for each marked hole position. Using the step drill, drill the 6 snorkel body mounting hole positions to 16mm. Using the 108mm holesaw, drill the main hole. De-burr and paint all holes.



4. Apply Loctite 243 to each of the stainless steel mounting studs (item 8) and install the studs finger tight into the snorkel body (item 1) mounting inserts.

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

5. Carefully install the snorkel body to the guard. With the snorkel body correctly positioned, check there is adequate clearance between the upper mounting bracket hex bolts (item 4) and the door frame, whilst opening the door. Once confirmed, mark the 3 hole positions of the upper mounting bracket onto the 'A' pillar. Remove the snorkel body from the vehicle.
6. Drill the 3 marked hole positions to 8mm. (*N.B: pay close attention whilst drilling the 3 hole positions to ensure the aerial cable is not damaged in any way by drilling too deep into the 'A' pillar cavity*). Deburr and paint holes. Insert the plastic body clips into the 'A' pillar, then fasten the upper mounting bracket to the 'A' pillar using necessary hardware.
7. Using a grinder, remove the 3 lugs from around the pre-spinner assembly inlet (refer to inset drawing), install the inner duct (item 7) into position. With the inner duct in position, install the air entry hose (item 11), hose clamps, pre-spinner assembly and air cleaner entry hose into position.
8. Apply a liberal amount of sealant to the inside of the inner duct and around the external surface of the snorkel body snout. Apply enough sealant to both parts to ensure a watertight connection is achieved. Install the snorkel body to the guard, guiding the snorkel body snout into the inner duct. With the snorkel body correctly positioned, fasten to the guard using necessary hardware. Fasten the upper mounting bracket to the snorkel body using necessary hardware.



9. Before securing the inner duct to the snorkel body snout, ensure the inner duct is hard up against the shoulder on the snorkel body. With the inner duct correctly positioned, secure to the snorkel body using self tapping screw (item 5).
10. With the inner duct secured to the snorkel body snout; correctly position the air entry hose, rotating the hose until it is correctly aligned onto the pre-spinner assembly, with the hose correctly positioned at either end fasten the hose clamps.
11. Re-install the wheel arch liner.
12. Install the air ram sleeve (item 16) to the snorkel body inlet (refer to the following air ram sleeve installation guide).
13. Install the black hose clamp (item 15) 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 15).

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