

**Part Number: TF159****Terrafirma Raised Air Intake - Plastic - Range Rover P38****Fitting Instructions**

Tools required: 70mm Hole Saw, Air Hacksaw, Step Drill, Sensor Safe Silicone Sealant

1. Put the car into gear or park and apply the hand brake.
2. Remove left hand front wheel arch liner, and air entry duct.
3. The lower snorkel body aligns to the top edge of the wing and 75mm in from the front. Taking measurements from the stud holes on the snorkel body, drill a 4.5mm pilot holes for each hole position.
4. Using the step drill, drill the 6 snorkel mounting holes to 16mm. For the air duct hole again take a measurement from the top of the wing to centre of the hole and drill a pilot hole, cut out with air hacksaw, a similar appropriate size hole for the inlet ducting. De-bur and paint all holes.
5. Apply a liberal amount of sensor safe sealant around the small ducting joiner and insert into airbox inlet.
6. Apply a liberal amount of sensor safe sealant around the end of the snorkel snout and air entry ducting. Carefully position the snorkel body onto the wing, guiding the snorkel snout into the air entry ducting. Using necessary hardware secure the snorkel body to the wing (enclosed). Apply more sealant if required to ensure the snorkel snout to inner wing has a water tight seal.
7. Bolt upper mounting bracket to the upper snorkel body, screw the 3 mounting bolts (6,7) into the snorkel body inserts, carefully position the upper snorkel body into the lower snorkel body. Fasten snorkel body to the wing with a couple of nuts and washers (9, 5). Ensure that all mounting studs (10, 5) have adequate clearance to mounting holes. (Filing of holes to gain clearance may be necessary).
8. Line the upper mounting bracket (4) up with the edge of the plastic 'A' pillar moulding (to achieve bracket to moulding edge alignment, the top of the snorkel body may need to be pushed towards the 'A' pillar) mark the 4 hole positions on the 'A' pillar moulding, remove bracket and drill a 2.5mm hole for each hole position.
9. Apply a liberal amount of sensor safe sealant on the joint of the two parts of the snorkel body. Re-fasten upper mounting bracket onto the snorkel body, fasten upper mounting bracket to the 'A' pillar using screws (8) supplied.
10. Refit wheel arch liner. Refit air entry duct.

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**NOTE: SEALING OF AIR DUCTING, JOINTS AND AIR CLEANER HOUSING.**  
Sealing of ALL air ducting joints, air cleaner housing entry snout and air cleaner housing drains is at the owners/ installers discretion.

**NOTE: FAILURE TO USE A SENSOR SAFE SILICONE SEALANT WILL CAUSE SENSOR CONTAMINATION - IT IS THE INSTALLERS RESPONSIBILITY TO ENSURE ALL COMPONENTS ARE CORRECT AND THAT ALL JOINTS ARE FULLY SEALED.**

| <b><u>ITEM</u></b> | <b><u>DESCRIPTION</u></b>           | <b><u>QTY</u></b> |
|--------------------|-------------------------------------|-------------------|
| 1                  | UPPER SNORKEL BODY AND HEAD         | 1                 |
| 2                  | LOWER SNORKEL BODY                  | 1                 |
| 3                  | SNORKEL TO AIR CLEANER HOUSING DUCT | 1                 |
| 4                  | BRACKET – UPPER MOUNTING            | 1                 |
| 5                  | M8 X 25 REPAIR WASHER               | 6                 |
| 6                  | M6 SPRING WASHER                    | 3                 |
| 7                  | M6 X 16 SET                         | 3                 |
| 8                  | 6 X 5/8 POZI FLG S/TAP SCREW        | 4                 |
| 9                  | M8 T TYPE NYLOC NUT                 | 6                 |
| 10                 | M8 X 25 ALL THREAD STUD             | 6                 |

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