




FITTING INSTRUCTIONS

Product:**TJM - AIRTEC SNORKEL****Vehicle:****TOYOTA PRADO 03+ TURBO DIESEL**

011SAT0188L

1. Remove the driver side plastic inner guard by removing the original screws and plastic clips.
2. Remove the flare from the body guard, ensuring that the clips are kept in the correct position. Be careful not to mix up the clips. Remove the mud flap.
3. Remove the indicator from the guard.
4. Open the bonnet and remove the original air intake and cyclone assembly.
5. Check the outer guard template on the snorkel to ensure that hole and stud positions match.
6. Place the template on the driver side body guard and align the template, ensuring all the external lines of the template match the guard. Use masking tape to secure the template to the guard.
7. Mark all the holes to be drilled. Pilot drill the holes and drill with a Ø12mm drill bit. Cut the large hole to Ø111mm. Debur all the holes and treat with a rust preventative.
8. Open the driver side door and place masking tape on the inside of the door pillar. Secure the top bracket (TP112) on the snorkel using M8 x 1.25 x 16 button head socket screws, flat and spring washers, and place the snorkel on the guard. With the top bracket in position on the rear face of the door pillar, mark the hole positions. Remove the snorkel and the top bracket, and drill the holes previously marked for the top bracket with Ø3mm drill bit. Debur the holes and treat with a rust preventative.
9. Place the inner guard drill template into position using original holes as a guide. Mark and drill Ø10mm holes for the mounting of the air intake adapter. Debur the holes and treat with a rust preventative.

Bolt Tensions	DIA (mm)	Nm	ft.lbs	DIA (inch)	Nm	ft.lbs
All bolt tensions are as follows > (unless otherwise specified)	5	5	4	1/4"	9	7
	6	9	7	5/16"	22	15
	8	22	16	3/8"	33	27
	10	44	32	7/16"	55	43
	12	77	57	1/2"	86	66




benchmark

CERTIFICATION

AS/NZ ISO 9001

& QS9000



Warranty

REV D 28.06.04

Checked

Approved

1. If any product or part of a product manufactured by TJM is found to be defective during a period of twelve (12) months after the date of purchase, TJM shall repair (at TJM's discretion) the defective product or part.

2. Any defect in a product distributed by TJM, but not manufactured by TJM, shall be dealt with in accordance with, and to the extent of, the warranty offered by the manufacturer of that product.

3. TJM does not warrant that the products manufactured by it comply with the laws of the place where those products are purchased or used. It is the sole responsibility of the Purchaser to ascertain whether products being purchased - or the affixation of those products to any other object - comply with local laws.

4. Except to the extent described in this warranty, TJM shall not be liable for any other claim, including those claims arising from faulty design, the use of the product on any indirect special or consequential damage or injury to any person, company or other entity.

5. Modification or alteration to any product manufactured by TJM to enable fitment in conjunction with other vehicle accessories or modifications (eg lift kits) will void any warranty claims.

Product:**TJM - AIRTEC SNORKEL****Vehicle:****TOYOTA PRADO 03+ TURBO DIESEL**

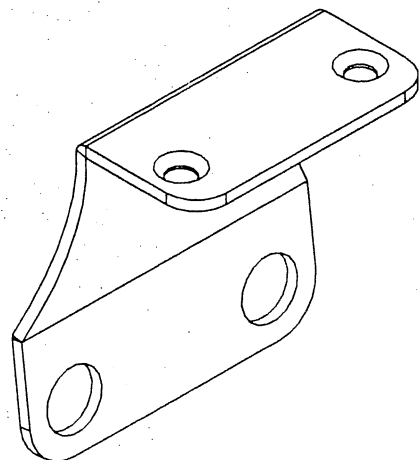
011SAT0188I.

Note: The front guard brace needs to be trimmed so it clears the air intake adapter before being fitted.

10. Place the air intake adapter in between the outer guard and the inner guard. Secure (Finger tighten only) the air intake adapter in the original air intake position with two M8 x 1.25 x 12 bolts, spring and flat washers.
11. Locktite the M8X1.25X30 studs into the snorkel body and place neutral clear silicon in the adaptor tube. Push the snorkel body into the adapter tube and place the snorkel on the body guard with the top bracket attached. From inside the inner guard secure the snorkel to the body guard using the large 40mm washers and M8x1.25 nyloc nuts. Tighten the front stud first, followed by the rear stud, and then all remaining studs.
12. Use the two 3/4"x 8g countersunk stainless steel PK screws supplied to attach the top bracket to door pillar and tighten.
13. Tighten the air adapter mounting bolts. Place the original air intake tube in place with a bead of silicon to seal against the inner guard fire wall. Check that all the fittings and mountings have been tightened. Replace the inner plastic guard, flares and mudflap.
14. Place the snorkel ram to the snorkel body and align so it is facing forward. Tighten the ring clamp.

BOLT KIT >

- 1 - Snorkel body (Part No. 011MB00188I)
- 1 - Air Ram (Part No. 011AIR0597T) + 052 hose clamp
- 1 - Air Intake Adapter (Part No. 011IP00188I) + 048 hose clamp
- 1 - Upper Snorkel Bracket (marked TP112)
- 2 - M8 x 1.25 x 16 stainless steel button head socket screws (K0858)
- 6 - mudguard washers (40mm OD, 8mm ID) (K0859D)
- 6 - M8 x 1.25 x 30 studs (K1673)
- 6 - M8 x 1.25 nyloc nuts (K0606)
- 2 - M8 x 1.25 x 12 bolts (K1203)
- 4 - 8mm I.D. stainless steel medium spring washers (K0924)
- 4 - stainless steel flat washers (8mm I.D., 19mm O.D. x 1.2mm thick) (K0923)
- 2 - 8g x 3/4" stainless steel csk screws (K0725)
- 1 - fitting instruction
- 1 - outer guard drill template
- 1 - inner guard drill template



UPPER SNORKEL BRACKET
(MARKED TP112)

Product:

TJM - AIRTEC SNORKEL

Vehicle:

TOYOTA PRADO 03+ TURBO DIESEL

011SAT0188I.

DIAGRAM ONE > SNORKEL FITMENT

