



# FITTING INSTRUCTIONS

FITTING INSTRUCTIONS FOR AN AIRTEC SNORKEL TO SUIT TOYOTA LANDCRUISER HZJ75

011SAT0168N

FTLC67 NOTE; DO NOT FIT SNORKEL TO A VEHICLE FITTED WITH LPG.

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- \* TO SUIT VEHICLE: TOYOTA LANDCRUISER CAB CHASSIS/LWB HT 1990+
- \* ENGINE: DIESEL HZJ – 1990+
- \* AIR CLEANER FORMAT: STANDARD AIR CLEANER MOUNTED DRIVERS SIDE
- \* POSITION OF SNORKEL: DRIVER'S SIDE MOUNTING

BEFORE COMMENCING FITTING, CHECK THE VEHICLE TO ENSURE THE AIRCLEANER CONFIGURATION IS AS DESCRIBED AND THAT MODIFICATIONS HAVE NOT PREVIOUSLY BEEN MADE.

CHKD

APPD

REV FTLC67 F 30.09.05

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



## WARRANTY

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.
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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.

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1. Locate fuel filter(s) on driver's side inner guard. In the 'Early' model remove the two 8mm bolts that secure the fuel filter. In the 'Late' model remove two 8mm bolts from each fuel filter. Do not disconnect fuel lines.
2. Remove fuel filter support bracket(s) from inner guard by removing three 8mm bolts in the 'Early' model and five 8mm bolts in the 'Late' model.
3. Disconnect electric plug on top of air cleaner. Disconnect air tubes from air cleaner. Remove two 8mm bolts that secure air cleaner to inner guard. Remove one 8mm bolt located under wheel arch and one 6mm bolt from earth wire. Remove air cleaner assembly.
4. In 'Late' models only remove two 6mm bolts that secure air spinner box and air intake tube to front inner guard. Remove assembly.
5. Place paper template over snorkel body to check that stud and hole position match. This is done as a second check to ensure template and snorkel have been correctly packed and will avoid holes being misdrilled. Place paper template on driver's side guard and align with shape of guard. Secure in place using masking tape. Mark hole positions with a pen or pencil.
6. Drill five 3/16" (4.8mm) pilot holes in guard. Redrill holes marked 4 and 5 to 1/4" (6.35mm).
7. Cut two half circle cuts in guard with a 83mm hole saw as shown in Diagram One. Remove oblong section from guard and clean up edges with file. Paint all visible raw metal surfaces.
8. A 6mm bolt will be visible in the oblong hole. Remove the bolt and space the bolt down with five 1/4" (6mm) flat washers. Refit the bolt. No thread of the bolt should protrude past the surface of the nut.
9. Redrill holes marked 1, 2 and 3 with 10mm or 3/8" drill.
10. Test fit snorkel. It may be necessary to enlarge the hole by using a half-round file.
11. Secure the snorkel mount bracket (stamped TL86) to top mounting position on snorkel with two M8 x 1.25 x 16 button head socket screws with allen key, flat and spring washers.
12. Position snorkel mount bracket on the windscreen pillar so it sits parallel with and approx. 3mm away from the chrome trim as shown in Diagram Three. Mark the hole positions on the windscreen pillar using a right angle scribe and the bracket as a guide. Remove snorkel from vehicle. Drill two 5/16" (8mm) holes in windscreen pillar. Deburr edges and paint all raw metal surfaces. Allow paint to dry and insert plastic insert in each hole.
13. Remove snorkel mount bracket from snorkel and fit to windscreen pillar using 3/4" (19mm) x 8g stainless PK screws.
14. To provide a totally sealed intake system it will be necessary to remove all under bonnet air cleaner plumbing and provide a seal to all original equipment joints using neutral cure silicone or urethane.
15. Install intermediate snorkel tube into inner guard cavity with hose clamp fitted to snorkel end of tube with screw section of clamp located at top right hand corner position of opening in guard. Refer Diagram Four.
16. Apply neutral cure silicone or urethane to inside of intermediate tube where it will connect with snorkel.
17. Apply neutral cure silicone or urethane to outside of snorkel tube where it will connect with intermediate tube.
18. Fit snorkel to guard being careful to align the tubes. Secure using three M8 x 1.25 nyloc nuts and flat washers.
19. Fit snorkel to upper bracket using two M8 x 1.25 x 16 button head socket screws, flat and spring washers.
20. Tighten hose clamp using a 8mm ring spanner as shown in Diagram Five.
21. Refit fuel filter assemblies to vehicle.

22. Before refitting the air cleaner assembly, remove the air spinner and intake hood that is attached to the air cleaner intake pipe. Refit the air cleaner assembly and securely tighten. Discard the intake hood. Use a file to remove the three lugs on the spinner tube to return a flat round surface.
23. Fit joiner sleeve to end of intermediate snorkel tube ensuring slots face towards filter side. Use silicone to seal all joins.
24. Refit spinner tube to air cleaner, slide the joiner back over the spinner tube and fasten with clamps provided. Ensure water drain is at the bottom.
25. Fit air ram to the snorkel body and fasten with hose clamp provided.

NOTES >

- \* It is important to check all joints are correctly sealed.
- \* Thoroughly clean the vehicle around snorkel work area.

BOLT KIT >

- 3 – M8 x 1.25 x 30 studs
- 2 – M8 x 1.25 x 16 stainless steel button head socket screws
- 2 – 8mm stainless steel flat washers
- 2 – 8mm stainless steel spring washers
- 3 – M8 x 1.25 nyloc nuts
- 2 – 3/4" x 8g stainless steel PK screws
- 2 – plastic inserts (F1031)
- 1 – snorkel mount bracket (stamped TL86)
- 1 – snorkel main body
- 1 – snorkel intermediate tube
- 1 – snorkel joiner sleeve
- 1 – snorkel air ram
- 2 – 052 hose clamps
- 2 – 060 hose clamps
- 1 – fitting instruction
- 1 – template
- 3 – mudguard washers (40mm OD, 8mm ID)

DIAGRAM ONE > CUTTING OBLONG HOLE

DIAGRAM SIX > SNORKEL FITMENT LAYOUT

