

Instructions to fit the Snorkel Kit S023

Tunland Foton

1.0 Introduction

Airflow Vector Pty Ltd thanks you for your purchase and the trust you put in our products.

We strive to supply our customers with the highest quality equipment based on the most efficient design and best styling. We are confident that you will enjoy using our Snorkel system.

It should improve the power of your vehicle as well as reduce its fuel consumption.

1.1 General instructions

Follow carefully the instructions listed on these pages and use the template provided, do not over tighten bolts. Do not use silicone on any connections, use mastic.

Ensure that safe work practices are followed when installing your Airflow Snorkel. Protective ear and eye wear should be worn at all times when using power tools.

1.2 Disclaimer

It is highly recommended that installation is undertaken by a qualified mechanic or panel beater. Airflow Vector will not be held responsible for any damage incurred through incorrect fitment of the templates and workmanship. It is the responsibility of the fitter to ensure that particular care is taken when assembling the Snorkel kit to the vehicle as it may cause damage to the windscreen and or electrical components. Safe work practices must be used at all times when undergoing installation.

We guarantee Airflow Vector's kits against manufacturing defects as long as proof of purchase can be established.

All models produced by Airflow Vector are verified to suit right hand drive vehicles according to Australian specifications. Variations in vehicle specifications may occur in other markets.

If you're in doubt about the product suitability, please forward a photograph of the engine bay, air filter housing and of the vehicle at frontal/side position to info@airflowvector.com

2.0 List of Components



S023 Kit content					Fasteners included		
Ref	Designation	Qty.	Length	Unit	Ref	Designation	Qty.
SP245	Snorkel Tunland	1			SP022	Stud M6x25mm Z/P	5
SK062	Air Ram 3.5" Small	1			SP025	Washer Panel 1/4x1.1/4x16g Z/P	5
SK081	Bolt Kit Tunland	1			SP027	Flange Nut M6 Z/P	5
SP246	Under Bonnet Tunland	1					
SP015	TPR 76mm	1	200mm				
SP019	Hose Clamp 60/80mm	3			Ref	Designation	Qty.
SK080	A Pillar Bracket Kit Tunland	1			SP247	A Pillar bracket - S023 Black	1
SD023	Template Tunland	1			SP026	Screw Plug Nylon	2
SD023E	Instruction Tunland	1			SP029	Screw Self Tap 10gx5/8 Black	2
SP171	Plastic Bag 80 x 120mm	1			SP023	Washer Spring 1/4x1/4 Black	1
SP172	Plastic Sleeve clear 400 x 100	1			SP024	G/Bolt M6 x 12mm Black	1
SP173	Plastic Sleeve clear 400 x 100	1			SP033	Washer 1/4 x 3/4 Z/P	1

Ensure that all parts listed are included in the parcel before starting any work

The total expected time of installation is around 2.5 hours.

It is the installer's responsibility to verify that all components and template are correct for the vehicle.

Check the template fits the vehicle correctly before starting anything

The remove of component in accordance with the service manual for the vehicle



Pieces to remove and discarded

2.1 List of tools and additional parts required

Masking tape, Clear tape, Mastic or Polyurethane, NOT SILICON

Hammer, Centre punch, scissors.

Assorted screw drivers, Spanner set

76-80 mm hole saw

Assorted drill set, Drill, Die grinder

Wet / dry sand paper

½ round file, Small square file

Zinc rich primer

Thread lock compound

Reciprocating Saw

Die grinder

3.0 Detailed Instructions



3.1 Snorkel Kit Tunland right hand



3.2 Prior starting any work, ensure that the configuration of the air box is as shown. If it is not, the fitting of this kit will not be possible. Contact your dealer for further assistance



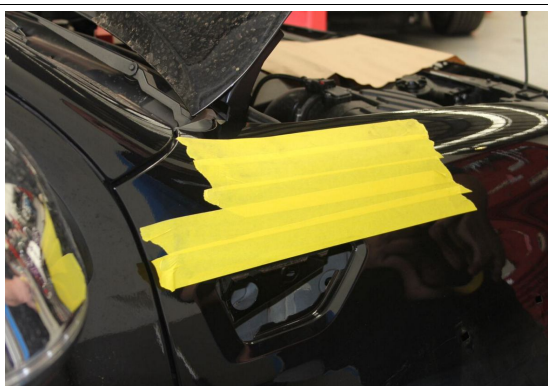
3.3 Remove flair. Careful remove clip so they can be reused



3.4 Remove the splash guard/wheel arch and store it with its fasteners



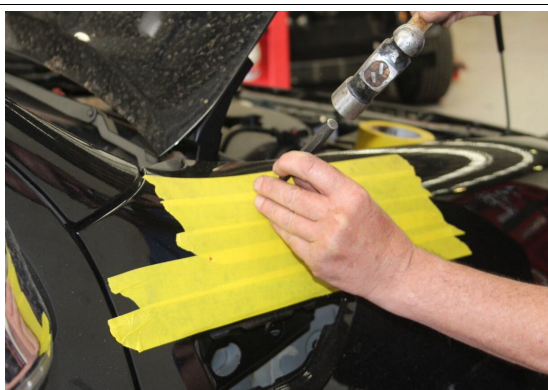
3.5 Remove to allow access, push in clips from inside the guard



3.6 Put paper tape on



3.7 Cut out template carefully. Fit it to the guard. Line it up to the true points.



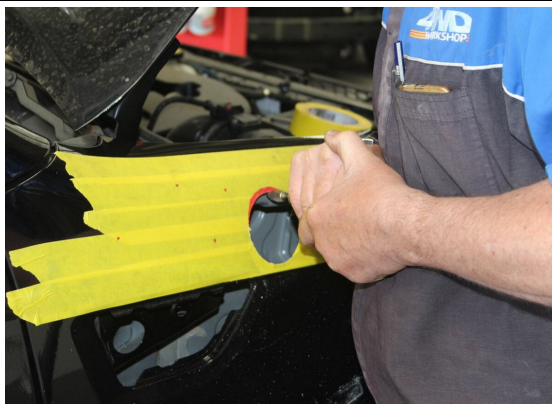
3.8 Cover the area to be drilled with masking tape
Centre-punch all the marked holes



3.9 Using 76mm hole saw at slow speed.



3.10 Drill pilot holes approximately 5 to 6 mm. Then drill out the fixing holes to 10-11 mm.



3.11 Oval the hole out so that the snorkel fits flush. De-burr all holes and touch up paint exposed area's



3.12 Screw the 5 studs SP022 with chemical locking compound, at least 20mm must protrude



3.13 Make sure the snorkel is fitting in it's correct final position before making the a pillar.



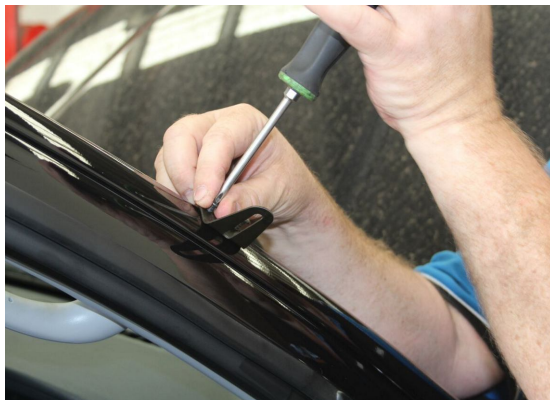
3.14 Trail fit the snorkel. Fix the snorkel to the guard at a few points. Position the A pillar bracket to meet up with the A pillar. Mark with a pencil.



3.15 Centre punch and drill two 7mm holes



3.16 Fit plugs SP026 (x2) – file the holes square, so the plugs will not turn.



3.17 Screw in the A pillar bracket



3.18 Refit snorkel for the final time using the panel wash and nut provide apply thread lock to the studs and nuts. Do not over tighten



3.19 Connect A pillar to snorkel body.



3.20 Put mastic to the under bonnet



3.21 Put mastic to the TPR ducting



3.22 Connect under bonnet SP246 with TPR ducting SP015 200mm. Then apply mastic , fix with hose clamp.



3.23 Fit the under bonnet hose end to the inlet of the airbox that comes out in between the inner and outer guard/ fender. Then fit the under bonnet to the snorkel outlet. Reinstall under guard, flare and side vent



3.24 Install the air ram. Position it so the top of the snorkel body is inline with the bottom of the inlet of the air ram. This gives the best cyclone action to pre clean the air of the heavier contaminants



3.25 Install self tap screw into the air ram
Wipe the plastic parts with silicon based plastic cleaner or similar.

Important note: Do not turn the Air Ram away from the direction of travel because it will lessen the positive pressure necessary for proper operation. **In extreme situation, at speed above 25km/h (15m/h) a vacuum may be generated causing irreversible engine damage.**



Improvement program

We strive to produce documentation and kits free of mistakes, however, should you discover any error or omission, please let us know by quoting the initials shown in the box below.

Furthermore, if you think that a step of this procedure could be improved, please send us at info@airflowvector.com your suggestions indicating the procedure name, its release date, the step details and the photo if necessary. We appreciate your support.