

Instructions to fit the Snorkel Kit S034

for the Chrysler XJ Jeep Cherokee 4L (non ABS only)

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



S034 Kit content				
Ref	Designation	Qty	Length	Unit
SP081	Snorkel XJ	1		
SP064	Air Ram 3.0"	1		
SP142	Hose clamp 70/90mm	1		
SK010	Bolt Kit	1		
SP091	Under Bonnet Jeep 90° Bend	1		
SP019	Hose Clamp 60/80mm	2		
SP015	TPR Hose 76mm	1	700	mm
SP002	Adaptor Jeep	1		
SP171	Plastic bag 280x380mm	1		
SD034	Template	1		
SD034E	Booklet	1		

Fasteners supplied		
Ref	Designation	Qty
SP035	A Pillar bracket Extended	1
SP023	Washer Spring 1/4 x 1/4 Z/P	1
SP026	Screw Plug Nylon	2
SP025	Washer Panel 1/4 x 1.1/4 x 16g Z/P	4
SP024	G/Bolt M6 x 12mm Z/P	1
SP029	Screw Self Tap 10gx5/8 Z/P	3
SP022	Stud M6 x 25mm Z/P	4
SP027	Flange Nut M6 Z/P	4
SP170	Plastic bag 75x125mm	1

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

The total expected time of installation is around 4 hours.

2.1 List of tools and additional parts required

Masking tape, Clear tape, Urethane
Hammer, Centre punch
Assorted screw drivers
76 mm hole saw
Assorted drill set
Wet / dry sand paper
½ round file, small square file

3.0 Detailed Instructions

- 1 Check off all items against Snorkel Kit List.
- 2 Remove guard liner, front rubber and windscreen washer reservoir.
- 3 Tape Template together accurately on gridline 17. Cut down grid line 28 to mark.
- 4 Place the Airflow Template supplied on the guard, ensuring the guard crease line is followed exactly. The top guard edge line is a guide only as it will vary slightly between pre and post 1997 cherokee's.
- 5 Tape over the sites of all hole points to protect the guard. Locate holes as indicated and mark with centre punch. Drill the 8mm holes. Be careful of any wires or other obstructions under the inner guard.
- 6 Cut harness ties and lift out of the way on inner guard. Drill a 76mm hole, using a hole cutter through inner and outer guards. Remove tape.
- 7 Remove the air box. Cut and drill to suit adaptor at the rear of the box in the top right hand corner just below the bottom of the filter. Seal joint with poly urethane and attach with self tap screws. Refit the air box.
- 8 Seal the old front hole with part of the old snout or cut some tin to suit and seal with poly urethane. The air box will actually be more efficient this way and will use more of the filter area than before.
- 9 File down all exposed burrs. Paint all exposed metal surfaces. Place the Snorkel on guard with "A" pillar fitted loosely attached. Fit guard bolts with panel washers.
- 10 Using "A" Pillar Bracket as a template mark drill points against "A" Pillar for self tap screws. Drill holes, locate screw plugs in holes and affix self tap screws.



- 11 Slide on flexible hose to Snorkel outlet, apply Polyurethane to ensure seal, fasten with clamp. Bend hose through 90o affix flexible hose to adaptor inlet after cutting to length, apply Polyurethane to seal and fasten with clamp and screw.
- 12 Refit water bottle to inner guard. Fit Airflow Hat to Snorkel head, fasten with clamp. Polish silicon base plastic sealer to Snorkel and Hat for finish.
- 13 **Optional.** Polyurethane can be applied to seal between the guard and the Snorkel by taping around each. Apply an even bead between the tapes, removing tap after smoothing. Leave the very bottom join free of sealant to allow any moisture to drain. **Note NO Polyurethane is supplied**

4.0 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.

This kit has been carefully packed by	
Date	Initials

Note: The content of this manual may be modified from time to time to ensure that improvements brought to our kits are described accurately. Before starting the installation, try to obtain the latest version of the instruction manual from our web site www.airflowvector.com