

Instruction to fit snorkel kit S067

Chrysler Jeep XJ Cherokee Diesel

1.0 Introduction

Gibson RM Pty Ltd thanks you for your purchase and the trust you put in our products.

We strive to supply our customers the highest quality equipment based on the most efficient design and best styling. We are confident that you will enjoy the operation of 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 urethane

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. Gibson RM Manufacturing 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 Snorkel kits against manufacturing defects as long as proof of purchase can be established.

All models produced by Airflow Snorkels 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@gibsonrm.com.au

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2.0 List of Components



| S067 Kit content | | | | |
|------------------|-----------------------|-----|--------|------|
| Ref | Designation | Qty | Length | Unit |
| SP067 | Snorkel Triton | 1 | | |
| SP064 | Air Ram 3.0" | 1 | | |
| SP142 | Hose clamp 70/90mm | 1 | | |
| SP015 | TPR Hose 76mm | 1 | 1050 | mm |
| SP019 | Hose Clamp 60/80mm | 2 | | |
| SK011 | Bolt Kit | 1 | ➔ | |
| SP171 | Plastic bag 280x380mm | 1 | | |
| SD067 | Template | 1 | | |
| SD067E | Booklet | 1 | | |

| Fasteners included | | |
|--------------------|------------------------------------|-----|
| 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 | 3 |
| 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 | 2 |
| SP027 | Flange Nut M6 Z/P | 2 |
| SP170 | Plastic bag 75x125mm | 1 |
| SP035 | A Pillar bracket Extended | 1 |
| SP023 | Washer Spring 1/4 x 1/4 Z/P | 1 |

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

The total expected time of installation is around 2 hours.

2.1 List of tools and additional parts required

Masking tape, Clear tape, Urethane
Hammer, Centre punch
Assorted screw drivers
76mm hole saw, a small grinder
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 Jack and remove right front wheel and remove guard liner. Tape Template together accurately on gridline 16. Cut down dotted lines to marks.
- 3 Stick masking taper over areas to be drilled. Place the Airflow Template supplied on the guard, ensuring the guard lines are followed, exactly.
- 4 Locate holes as indicated and mark with center punch then remove template. Drill pilot holes then open mounting bolts holes to 8mm. Be careful of any wires or other obstructions under the inner guard.
- 5 Drill the 76mm hole, using a hole cutter through outer guard and front face of the cowl drain channel. Cut forward front face out of drain channel using a Dremel or small grinder or other metal cutting tool. Remove tape and file all burrs.
- 6 Cut 50 mm from hose end of the snorkel and test fit snorkel and file main hole if necessary to fit.
- 7 Fit snorkel to guard using supplied panel washers and bolts.
- 8 The A pillar bracket is best fixed to the backside of the A pillar. To do this measure one inch from the end of the bracket and fold 90 degrees in a vice at fixing end. Using A pillar bracket as a template, mark drill points under wind strip for self tap screws after fitting loosely to snorkel.
- 9 Drill holes, locate screw plugs in holes and affix self tap screws. Alternatively, trim the stainless steel bracket and drill the two mounting holes again and fix to outside of the A pillar.
- 10 Remove airbox and enlarge original inner guard hole by 10mm downwards and across towards airbox. This can be done by cutting

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- slots in the three corners and bending metal inwards at the bottoms and outwards on the airbox side. Paint all exposed surfaces.
- 11 Remove original airbox duct from the airbox and then cut it just before it changes from square to round. Attach snorkel hose to this using urethane and hose clamp and feed remainder through inner guard being careful not to puncture the hose on flare bolts.
 - 12 Refit duct to airbox and bolt airbox back into place.
 - 13 Slide hose onto snorkel after cutting to length if necessary along with urethane sealant and clamp into place.
 - 14 Fit Airflow Hat to Snorkel head, fasten with clamp. Polish snorkel and hat with silicon base plastic sealer like Armorall or similar finish.
 - 15 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 tape after smoothing. Leave the very bottom joint free of sealant to allow any moisture to drain.

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@gibsonrm.com.au your suggestions indicating the procedure name, its release date, the step details and the photo if necessary.

We appreciate your support.

Snorkels for your 4WD

| This kit has been carefully packed by | |
|---------------------------------------|----------|
| Date | Initials |
| | |