

SCITOO 163106-5336-0917539372

SCITOO Air Intake Snorkel Kit Instruction Manual

Model: 163106-5336-0917539372 | For Land Rover Discovery 3 (2006-2009)

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SCITOO Air Intake Snorkel Kit. This kit is specifically designed for the 2006-2009 Land Rover Discovery 3, enhancing your vehicle's air intake system for improved performance in challenging environments, particularly during water crossings. Please read this manual thoroughly before beginning installation to ensure proper fitment and safe operation.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Failure to follow these guidelines may result in injury, damage to the product, or damage to your vehicle.

- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.
- Ensure the vehicle is parked on a level surface with the engine off and the parking brake engaged.
- Disconnect the vehicle's battery before performing any electrical work.
- Exercise caution when drilling or cutting vehicle body panels to avoid damage to hidden wiring, hoses, or structural components.
- Ensure all connections are secure and sealed to prevent water ingress into the engine or electrical systems.
- If you are unsure about any step, consult a qualified automotive technician.

3. PACKAGE CONTENTS

Verify that all components listed below are present and undamaged before proceeding with installation.



Image 1: Overview of the SCITOO Air Intake Snorkel Kit components, including the main snorkel body, air intake hose, and various mounting hardware.

- Snorkel Body Assembly
- Air Intake Hose/Ducting
- Mounting Brackets
- Clamps
- Fasteners (Bolts, Nuts, Washers, Rivets)
- Fitting Template (if included)

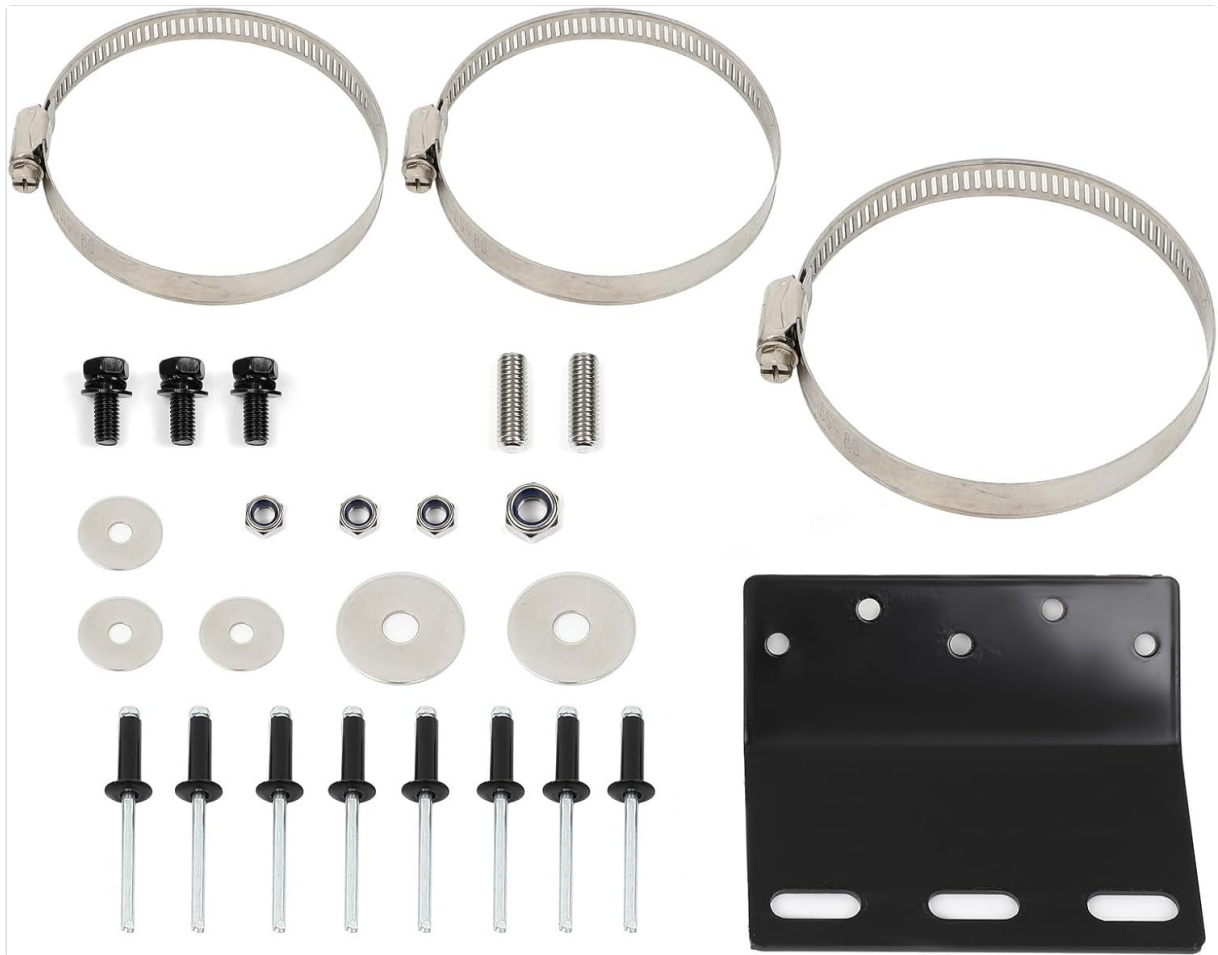


Image 2: Close-up view of the various bolts, nuts, washers, clamps, and mounting plate included in the hardware kit.

4. INSTALLATION INSTRUCTIONS

This section outlines the general steps for installing the SCITOO Air Intake Snorkel Kit. Specific vehicle modifications may be required. Refer to your vehicle's service manual for detailed panel removal procedures.

4.1. Preparation

1. Park the vehicle on a flat, stable surface and engage the parking brake.
2. Gather all necessary tools, including drills, cutting tools, wrenches, screwdrivers, and sealant.
3. Remove the vehicle's wiper arms and the front sub-cover gap guards to access the installation area.
4. Clean the installation area on the fender and A-pillar thoroughly.

4.2. Marking and Cutting

1. Carefully position the provided template (if applicable) onto the vehicle's fender and A-pillar according to the instructions. Ensure correct alignment.
2. Mark all drilling and cutting points accurately. The location of the hole is determined by the template and the snorkel's design.
3. Using appropriate tools, drill pilot holes and then enlarge them to the required size for mounting bolts and the main air intake opening.
4. Carefully cut the necessary opening in the fender for the snorkel's main body to pass through. Deburr all cut edges to prevent injury and corrosion.

4.3. Snorkel Assembly and Sealing

1. Apply a high-quality automotive-grade sealant to all pipe socket sections and any other joints of the snorkel kit components to ensure a waterproof seal. This is critical for preventing water ingress.
2. Fit the snorkel body into the prepared opening on the fender.
3. Attach the internal air intake hose/ducting from the snorkel body to the vehicle's airbox. Ensure this connection is also sealed and secure.
4. Mount the snorkel to the A-pillar using the provided brackets and fasteners. Ensure all mounting points are tight and secure.

4.4. Final Checks

1. Double-check all connections and seals for watertight integrity.
2. Ensure that the vehicle's electrical equipment in the vicinity of the snorkel installation is also waterproofed or protected from potential water exposure.
3. Verify that the snorkel does not interfere with any moving parts (e.g., hood, wipers) or obstruct the driver's view.
4. Reinstall the wiper arms and front sub-cover gap guards.

5. OPERATION

The SCITOO Air Intake Snorkel Kit is designed to raise the engine's air intake point, providing cleaner, cooler air and significantly reducing the risk of water entering the engine during water crossings. This allows your Land Rover Discovery 3 to traverse deeper water safely.

- **Water Crossings:** When performing water crossings, always proceed slowly and cautiously. The snorkel helps protect the engine, but other vehicle components (e.g., electrical systems, differentials) may still be vulnerable to water damage.
- **Dusty Environments:** The elevated air intake also helps to draw in less dust in arid or dusty conditions, potentially extending the life of your air filter.
- **Performance:** By drawing in cooler, denser air, the snorkel can contribute to better throttle response and potentially higher engine efficiency.

6. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your snorkel kit.

- **Inspect Seals:** Periodically check all seals and connections for cracks, deterioration, or signs of leakage, especially after off-road use or water crossings. Reapply sealant as necessary.
- **Check Mounting Hardware:** Ensure all bolts, clamps, and brackets are tight and secure. Vibrations from off-road driving can loosen fasteners over time.
- **Clean Snorkel Head:** Keep the snorkel head (air ram) clear of debris, leaves, or mud that could obstruct airflow.
- **Air Filter:** While the snorkel helps reduce dust intake, continue to inspect and replace your engine's air filter according to your vehicle manufacturer's recommendations, or more frequently if operating in very dusty conditions.

7. TROUBLESHOOTING

If you encounter issues with your snorkel kit, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Water in airbox/engine	Improperly sealed connections; damaged snorkel body/hose.	Inspect all seals and connections. Reapply sealant where necessary. Check snorkel components for damage and replace if compromised.
Loose snorkel body	Loose mounting hardware; incorrect installation.	Tighten all mounting bolts and clamps. Ensure brackets are correctly positioned and secured.
Reduced engine performance	Obstructed snorkel head; clogged air filter; air leak in intake system.	Clear any debris from the snorkel head. Inspect and replace the engine air filter. Check all intake hose connections for leaks.
Excessive noise from snorkel	Loose components; improper fitment.	Check all mounting points and connections for tightness. Ensure the snorkel body is not vibrating against vehicle panels.

8. SPECIFICATIONS

- **Product Grade:** Replacement Part
- **Brand:** SCITOO
- **Fit Type:** Vehicle Specific Fit (2006-2009 Land Rover Discovery 3)
- **Number of Items:** 1 (Snorkel Kit)
- **Model Number:** 163106-5336-0917539372
- **Manufacturer Part Number:** 163106-5336-0917539372
- **Item Weight:** 4.6 kg
- **UPC:** 198519031421

9. WARRANTY & SUPPORT

9.1. Manufacturer Warranty

This SCITOO Air Intake Snorkel Kit comes with a **12-month manufacturer warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, accident, modification, or normal wear and tear. Please retain your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, installation questions, or warranty inquiries, please contact SCITOO customer support through the retailer where the product was purchased or visit the official SCITOO website for contact information. When contacting support, please have your product model number and purchase details ready.

