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> Tema 4x4 Snorkel Kit User Manual

## Tema4x4 TM-SIMUA

# Tema 4x4 Snorkel Kit User Manual

Model: TM-SIMUA

## 1. PRODUCT OVERVIEW

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The Tema 4x4 Snorkel Kit is designed to enhance the off-road capabilities and engine protection of compatible vehicles. This snorkel system raises the engine's air intake point, allowing for safer water crossings and providing cleaner, cooler air to the engine. It is constructed from high-quality LLDPE plastic, known for its durability and resistance to impact.

Key features include:

- Made of high-quality LLDPE plastic (not FRP).
- Material thickness: 3 mm.
- Surface finish: Black textured.

## 2. COMPATIBILITY

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This snorkel kit is specifically designed for the following vehicle models and years:

- **Isuzu Holden:** 01/1988 - 12/1996
- **Isuzu Rodeo:** 01/1988 - 12/1996
- **Isuzu Campo R7:** 01/1988 - 12/1996
- **Isuzu MU:** 01/1988 - 12/1996
- **Isuzu Wizard:** 01/1988 - 12/1996
- **Isuzu GM:** 01/1988 - 12/1996
- **Opel Frontera:** 01/1988 - 12/1996

Compatible Engine Type:

- Diesel 4JB1T 2.8 Litre

If you are unsure about compatibility, please contact Tema4x4 support with your vehicle details.

## 3. KIT CONTENTS

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Each Tema 4x4 Snorkel Kit package includes the following components:

- One (1) Snorkel unit

- One (1) Fitting kit (includes all necessary hardware for installation)

## 4. SETUP AND INSTALLATION

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The Tema 4x4 Snorkel Kit is designed for straightforward installation and fits perfectly with the specified vehicle models. While it is an easy-to-install item, professional installation is recommended to ensure proper sealing and optimal performance, especially for off-road applications.

**General Installation Steps (Consult a professional or detailed vehicle-specific guide for precise instructions):**

1. **Preparation:** Ensure the vehicle is clean and parked on a level surface. Gather all tools required for the installation.
2. **Fender Modification:** Depending on the vehicle model, minor modifications to the fender may be required to accommodate the snorkel's intake pipe.
3. **Air Box Connection:** Connect the snorkel's intake pipe to the vehicle's air box, ensuring a secure and airtight seal.
4. **Mounting:** Secure the snorkel body to the vehicle's A-pillar and fender using the provided fitting kit hardware.
5. **Sealing:** Verify all connections are properly sealed to prevent water ingress into the engine's air intake system.
6. **Final Check:** Double-check all fasteners and connections for tightness and security before operating the vehicle.





Figure 1: Side view of a vehicle with the snorkel installed.



Figure 2: Front quarter view showing snorkel placement.



Figure 3: Front view of a vehicle equipped with the snorkel.



Figure 4: Another side view of a vehicle with the snorkel.

## 5. OPERATING BENEFITS

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Installing the Tema 4x4 Snorkel Kit provides several operational advantages for your 4x4 vehicle:

- **Improved Airflow:** Enhances the flow of air into the engine, contributing to better combustion efficiency.
- **Cleaner Air Intake:** Draws air from a higher point, reducing the intake of dust and debris, especially in off-road conditions.
- **Water Crossing Capability:** Raises the air-intake above typical water levels, significantly reducing the risk of hydrostatic lock when traversing water.
- **Engine Protection:** By providing cleaner and safer air, the snorkel helps protect the engine from contaminants and water damage, potentially extending its lifespan.

- **Fuel Efficiency:** A more efficient air intake can contribute to marginal fuel savings.

## 6. MAINTENANCE

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To ensure the longevity and optimal performance of your Tema 4x4 Snorkel Kit, regular maintenance is recommended:

- **Regular Inspection:** Periodically check the snorkel body, mounting brackets, and all connections for any signs of damage, cracks, or loose fittings.
- **Seal Integrity:** Ensure that all seals between the snorkel and the vehicle's air intake system remain intact and airtight. Replace any worn or damaged seals promptly.
- **Cleaning:** Clean the exterior of the snorkel with mild soap and water to remove dirt, mud, and debris. Avoid abrasive cleaners that could damage the textured surface.
- **Air Filter Check:** While the snorkel provides cleaner air, regularly inspect and clean or replace your vehicle's air filter as per the vehicle manufacturer's recommendations.

## 7. TROUBLESHOOTING

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If you encounter any issues with your Tema 4x4 Snorkel Kit, consider the following troubleshooting steps:

- **Air Leaks:** If you suspect an air leak, check all hose clamps and connections for tightness. Inspect the snorkel body and intake pipes for any cracks or damage. A whistling sound or reduced engine performance might indicate a leak.
- **Loose Mounting:** If the snorkel feels loose or vibrates excessively, re-tighten all mounting bolts and brackets. Ensure the mounting points on the vehicle are not damaged.
- **Water Ingress:** If water is entering the air intake system, immediately check all seals and connections for proper seating and integrity. Pay close attention to the connection point with the airbox.
- **Unusual Noises:** Any new or unusual noises coming from the snorkel area might indicate a loose component or an obstruction. Inspect the air ram head for blockages.

For persistent issues or concerns, it is recommended to consult a qualified automotive technician or contact Tema4x4 customer support.

## 8. SPECIFICATIONS

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| Attribute            | Detail                     |
|----------------------|----------------------------|
| Manufacturer         | Tema4x4                    |
| Brand                | Tema4x4                    |
| Model Number         | TM-SIMUA                   |
| Item Weight          | 20 pounds                  |
| Material             | High-quality LLDPE plastic |
| Material Thickness   | 3 mm                       |
| Surface Finish       | Black textured             |
| ASIN                 | B09NDHKPN2                 |
| Date First Available | December 10, 2021          |

## 9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official Tema4x4 website or contact their customer service directly. Ensure you have your product model number (TM-SIMUA) and purchase details available when seeking support.

You can visit the Tema4x4 Store on Amazon for more information:[Tema4x4 Store](#)

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