

ARB SS41HF

ARB Safari 4X4 Snorkel Vspec Pajero NS-NX User Manual

Model: SS41HF

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ARB Safari 4X4 Snorkel, specifically designed for Mitsubishi Pajero NS-NX Diesel and Petrol models (excluding HID headlight variants). The Safari Snorkel is engineered to relocate the engine's air intake from a low, vulnerable position to a higher, safer location, providing a constant supply of cool, clean, dry air for optimal engine performance and protection during water crossings or dusty conditions.

Please read this manual thoroughly before beginning installation or operation to ensure proper use and longevity of the product.

SETUP AND INSTALLATION

Installation of the ARB Safari Snorkel requires mechanical aptitude and specific tools. If you are not confident in your ability to perform the installation, it is recommended to seek assistance from a qualified professional.

Pre-Installation Checklist:

- Verify all components are present as per the packing list.
- Ensure the vehicle is parked on a level surface with the engine off and cool.
- Disconnect the vehicle's battery.
- Gather necessary tools: drill, hole saws, wrenches, sealant, measuring tape, marking tools, cutting tools.

Installation Steps:

- Prepare Vehicle:** Remove existing air intake components and any necessary fender liners or trim.
- Template Application:** Carefully position the provided template on the vehicle's fender and mark all drilling and cutting points. Double-check measurements before proceeding.
- Drilling and Cutting:** Using appropriate hole saws and drills, create the necessary openings in the fender and A-pillar. Ensure all edges are smooth and free of burrs. Apply rust-preventative paint to all exposed metal edges.
- Snorkel Body Mounting:** Secure the snorkel body to the vehicle using the supplied hardware.

Ensure a tight, secure fit.

5. **Connect Air Ducting:** Connect the snorkel's air intake hose to the vehicle's airbox. Use clamps and sealant to ensure an airtight seal. Any leaks can compromise the snorkel's effectiveness.
6. **Install Air Ram:** Attach the air ram (top section) to the snorkel body. Ensure it is oriented correctly to face forward.
7. **Final Checks:** Reconnect the battery. Start the engine and check for any unusual noises or air leaks. Visually inspect all connections and mounting points.



Image: An ARB Safari Snorkel, similar to the SS41HF model, mounted on the side of a vehicle, illustrating its typical appearance and placement. The snorkel pipe is visible running up the side of the windshield, with the air intake facing forward at roof level.

OPERATING GUIDELINES

The ARB Safari Snorkel is designed to enhance your vehicle's off-road capability by protecting the engine from water and dust ingress. While the snorkel provides significant protection, it does not make your vehicle amphibious. Always exercise caution when driving through water or dusty environments.

Water Crossings:

- Assess water depth and current before entering. Never exceed the manufacturer's recommended wading depth for your vehicle.
- Maintain a steady, slow speed to create a bow wave, which helps to keep water away from the engine bay.
- Avoid sudden stops or changes in direction that could cause water to splash over the snorkel's air ram.
- After a water crossing, inspect your vehicle for any water ingress into critical components.

Dusty Conditions:

- The snorkel helps draw cleaner air from above the dust cloud, but regular air filter inspection and cleaning are still crucial.
- Consider using a pre-cleaner or cyclonic air filter head in extremely dusty environments for enhanced filtration.

MAINTENANCE

Regular maintenance ensures the continued performance and longevity of your ARB Safari Snorkel.

- **Air Ram Inspection:** Periodically check the air ram for any obstructions (leaves, debris) and clean as necessary.
- **Hose and Clamp Inspection:** Regularly inspect all air ducting hoses and clamps for cracks, wear, or looseness. Ensure all connections remain airtight. Replace any damaged components immediately.
- **Mounting Hardware:** Check all mounting bolts and brackets for tightness, especially after off-road excursions. Re-tighten if necessary.
- **Air Filter:** While the snorkel provides cleaner air, the vehicle's air filter still requires regular inspection and replacement according to the vehicle manufacturer's recommendations, especially when operating in dusty conditions.
- **General Cleaning:** Clean the exterior of the snorkel with mild soap and water. Avoid harsh chemicals that could damage the material.

TROUBLESHOOTING

This section addresses common issues that may arise with your snorkel installation.

Problem	Possible Cause	Solution
Engine performance issues after installation.	Air leak in ducting; obstructed air ram; incorrect installation.	Inspect all hose connections and clamps for tightness and proper sealing. Check air ram for blockages. Review installation steps.
Excessive engine noise.	Loose mounting hardware; vibration.	Check all mounting bolts and brackets for tightness. Ensure no components are rattling against the vehicle body.
Water in airbox after water crossing.	Improperly sealed connections; excessive wading depth; improper driving technique.	Re-check all seals and clamps for airtightness. Ensure wading depth limits are respected. Review water crossing techniques.

SPECIFICATIONS

Feature	Detail
Brand	ARB
Model Number	SS41HF
Compatibility	Mitsubishi Pajero NS-NX (Diesel & Petrol, Not HID)
Manufacturer	ARB USA
Item Weight	6.5 kg
Parcel Dimensions	48.11 x 29.03 x 22.23 cm

WARRANTY AND SUPPORT

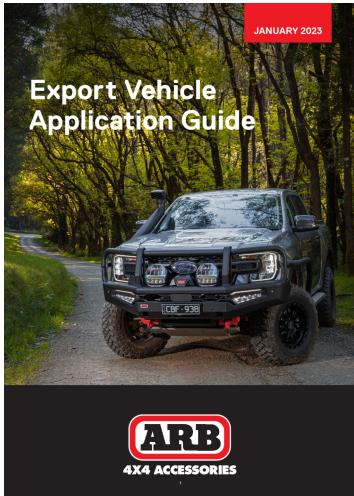
For warranty information and technical support, please refer to the official ARB website or contact your authorized ARB dealer. Keep your proof of purchase for any warranty claims.

Official ARB Website: www.arb.com.au

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Related Documents

	<p>ARB 2022 Regional Price List: 4x4 Accessories & Vehicle Parts</p> <p>Explore the comprehensive ARB 2022 Regional Price List for a wide range of 4x4 accessories, vehicle parts, recovery gear, lighting, and more. Find prices for ARB products for numerous vehicle makes and models.</p>
	<p>ARB Vehicle Accessories Catalog - Recovery Points, Nudge Bars, Steps & More</p> <p>Explore the comprehensive ARB catalog featuring a wide range of vehicle accessories including recovery points, nudge bars, side rails, steps, and more for various car models. Find part numbers and specifications.</p>
	<p>ARB TRED Pro Recovery Boards: Advanced Vehicle Traction and Recovery</p> <p>Discover the ARB TRED Pro, the ultimate all-in-one off-road vehicle recovery device. Featuring patented EXOTRED™ and SIPE-LOCK™ technology for superior traction in sand, mud, and snow. Learn about its durable composite construction, ergonomic design, and available accessories.</p>
	<p>ARB 4480010 Rock Sliders Fitting Instructions for 2021 Ford Bronco</p> <p>Official fitting instructions from ARB for installing the 4480010 Rock Sliders onto a 2021 Ford Bronco. Includes parts list, required tools, safety notes, and step-by-step installation guide.</p>



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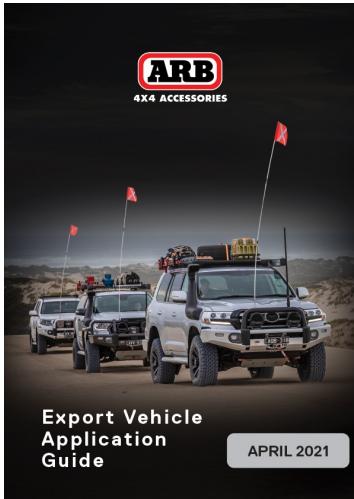
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[ARB Export Vehicle Application Guide](#)

A comprehensive guide from ARB 4x4 Accessories detailing vehicle applications for their export vehicle accessories and recovery equipment. This guide lists compatible parts for a wide range of vehicle makes and models.

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[\[pdf\] Guide Accessories Price List](#)

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[ARB 2022 Regional Price List: 4x4 Accessories & Vehicle Parts](#)

Explore the comprehensive ARB 2022 Regional Price List for a wide range of 4x4 accessories, vehicle parts, recovery gear, lighting, and more. Find prices for ARB products for numerous vehicle makes and models.

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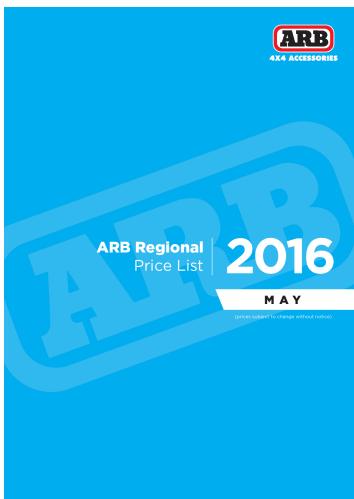


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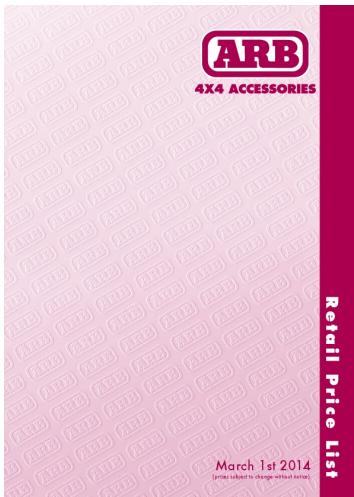
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