

Manuals.plus /

› pewag /

› pewag RSC 870 Servostar Snow Chains Instruction Manual

pewag RSC 870 Servostar (Model 4086067)

pewag RSC 870 Servostar Snow Chains Instruction Manual

Model: RSC 870 Servostar (4086067)

1. PRODUCT OVERVIEW

The pewag RSC 870 Servostar is a premium clip-on snow chain system designed for vehicles with limited clearance around the wheels. It provides enhanced traction on paved roads during snowy or icy conditions. This system is engineered for easy external mounting, eliminating the need for reaching behind the wheel.

Key Features:

- **Zero Internal Clearance:** Requires 0 mm clearance on the inside of the wheel, making it suitable for vehicles with tight wheel wells.
- **External Mounting:** All mounting operations are performed from the outside of the wheel, attaching directly to the original lug nut/bolt.
- **Patented Servo Ratchet Technology:** Features pewag's patented servo ratchet for automatic tensioning, ensuring a secure fit.
- **Rim Protection:** Innovative chain system design prevents direct contact with the rim.
- **Enhanced Traction:** The starwave® groove profile on the chain links increases the surface area by 7%, improving grip and extending product life.
- **Certified Quality:** 3.2 mm chain tested according to ÖNORM V 5117 and EN 16662-1 standards.



Figure 1.1: The pewag RSC 870 Servostar snow chain fully installed on a vehicle tire. This image shows the chain pattern across the tread and the external mounting mechanism attached to the wheel hub.

2. SETUP AND INSTALLATION

Follow these steps carefully to ensure proper and safe installation of your pewag RSC 870 Servostar snow chains. The parts essential for assembly are marked in red for easy identification.

1. **Prepare the Vehicle:** Park your vehicle on a level surface and engage the parking brake. If possible, install chains before encountering snowy conditions.
2. **Identify Drive Wheels:** Install snow chains on the drive wheels of your vehicle. For 4x4 or AWD vehicles, consult your vehicle's owner's manual for recommended chain placement.
3. **Attach to Lug Nut/Bolt:** The Servostar system attaches directly to one of the original lug nuts or bolts on your wheel. Identify a suitable lug nut/bolt and ensure it is clean.
4. **Mount the Adaptor:** Secure the provided adaptor (included in the box) onto the chosen lug nut/bolt. Ensure it is firmly seated.
5. **Position the Chain:** Hold the chain assembly and align the central mounting unit with the adaptor on the wheel. The chain should drape over the tire tread.
6. **Engage the Mounting Unit:** Push the central mounting unit onto the adaptor. You will hear a click when it is securely engaged. The red-marked components indicate the primary connection points.
7. **Distribute the Chain:** Manually spread the chain links evenly across the tire tread. Ensure the blue plastic elements are positioned correctly on the tire sidewall, away from the rim.
8. **Check Tension:** The patented pewag servo ratchet technology will automatically tension the chain as you drive a short distance. After driving approximately 10-20 meters (30-60 feet) at a slow speed, stop and visually inspect the chain for proper tension and fit. Adjust if necessary by ensuring all links are correctly positioned.



Figure 2.1: Detailed view of the Servostar attachment mechanism connecting to a vehicle's lug nut. This shows the secure, external connection point.







Figure 2.2: Side profile of the tire with the pewag Servostar snow chain installed, illustrating the minimal clearance required and the chain's position on the tire.

3. OPERATING INSTRUCTIONS

Once the pewag RSC 870 Servostar snow chains are correctly installed and tensioned, observe the following guidelines for safe operation:

- **Speed Limit:** Do not exceed a maximum speed of 50 km/h (30 mph) when driving with snow chains. Exceeding this speed can damage the chains, tires, and vehicle, and may lead to loss of control.
- **Driving Surface:** These chains are recommended for use on paved roads covered with snow or ice. Avoid driving on bare asphalt or concrete for extended periods, as this can cause rapid wear to the chains and tires.
- **Smooth Driving:** Drive smoothly, avoiding sudden acceleration, braking, or sharp turns. This helps maintain chain integrity and vehicle stability.
- **Regular Checks:** Periodically check the chains for proper tension and any signs of damage during longer journeys. If the chains become loose, stop and re-tension them.
- **Removal:** Remove the chains immediately when you no longer require them (e.g., when driving on clear roads) to prevent unnecessary wear and potential damage.

4. MAINTENANCE

Proper maintenance extends the lifespan of your pewag RSC 870 Servostar snow chains and ensures their reliability.

- **Cleaning:** After each use, thoroughly clean the chains with warm water to remove all salt, dirt, and debris.
- **Drying:** Allow the chains to dry completely before storing them to prevent rust.
- **Inspection:** Before and after each season, inspect the chains for any signs of wear, damage, or broken links. Replace any damaged components or the entire set if significant wear is observed.
- **Storage:** Store the chains in their original carrying bag in a dry, cool place, away from direct sunlight and chemicals.



Figure 4.1: The pewag branded storage bag, designed for convenient and protective storage of your snow chains.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your snow chains.

Chain feels loose after driving:

The servo ratchet system automatically tensions the chain. However, initial settling may occur. Drive a short distance (10-20 meters) and then stop to re-check the tension. If still loose, ensure all chain links are properly distributed over the tire and that the central mounting unit is fully engaged with the adaptor.

Unusual noise or vibration:

This could indicate improper installation or damage. Immediately stop the vehicle in a safe location and inspect both chains. Ensure they are correctly tensioned, not rubbing against any vehicle components, and that no links are broken or twisted. Remove and re-install if necessary.

Difficulty attaching the chain:

Ensure the adaptor is correctly and firmly attached to the lug nut/bolt. Verify that the central mounting unit is aligned properly before attempting to push it onto the adaptor. Check for any obstructions or debris.

6. SPECIFICATIONS

Specification	Detail
Brand	pewag
Model	RSC 870 Servostar
Item Model Number	4086067
Material	Alloy Steel
Chain Thickness	3.2 mm
Item Weight	1 Kilogram (2.2 pounds)
Wheel Size Compatibility	65 Centimeters (approximate, refer to tire compatibility list)
Vehicle Service Type	Car, Van, SUV
Certifications	ÖNORM V 5117, EN 16662-1
Included Components	Adaptor, Storage Bag

Tire Compatibility (Examples):

The Servostar system is designed for a wide range of tire dimensions. Examples of compatible tire sizes include, but are not limited to:

- 285/30-20, 295/30-20, 275/35-19, 285/35-19, 295/35-19
- 245/35-20, 255/35-20, 275/40-18, 285/40-18, 245/40-19
- 255/40-19, 225/40-20, 275/45-17, 245/45-18, 255/45-18
- 225/45-19, 295/50-15, 245/50-17, 255/50-17, 225/50-17
- 275/55-15, 245/55-16, 255/55-16, 225/55-17, 205/55-18
- 245/60-15, 255/60-15, 225/60-16, 235/60-16, 215/60-17
- 215/65-16, 235/70-14, 215/70-15, 195/70-16, 215/75-14
- 205/75-15, 185/75-16, 205/80-14, 185/80-15, 175/80-16

Always verify compatibility with your specific tire size before purchase and installation.

7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official pewag website or contact pewag customer support directly. Warranty terms typically cover manufacturing defects under normal use conditions.

If you require technical assistance or have questions regarding the installation or operation of your pewag RSC 870 Servostar snow chains, please contact pewag customer service through their official channels.