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Ariens 08300512

Ariens 08300512 Gravely Mower Extension Spring Instruction Manual

Genuine OEM Replacement Part

INTRODUCTION

This manual provides essential information for the Ariens 08300512 Genuine OEM Gravely Mower Extension Spring. This component is designed to maintain proper tension in various mower systems, ensuring efficient operation and longevity of your equipment. Please read through this manual carefully before installation or maintenance.

PRODUCT OVERVIEW



Figure 1: Ariens 08300512 Gravely Mower Extension Spring. This image shows the black coiled spring with a hook at each end, designed for tension applications.

The Ariens 08300512 extension spring is a critical component for maintaining correct belt tension in compatible Ariens and Gravely mowers. It is constructed for durability and consistent performance, minimizing the need for frequent adjustments.

SPECIFICATIONS

Part Number	08300512
Brand	Ariens
Item Weight	2.64 ounces
Package Dimensions	8.7 x 6.34 x 0.67 inches

Material	Nylon, Polyurethane (PU) - <i>Note: This material description seems incorrect for a metal spring. It might refer to associated components or packaging. The spring itself is typically metal.</i>
Belt Style	Extension Belt
Compatible Devices	Lawn Mower

COMPATIBILITY

This Ariens 08300512 extension spring is a genuine OEM part compatible with various Ariens and Gravely mower models. It is known to fit the following models and part numbers:

- **Replaces Part Numbers:** 08334700, 08336100
- **Common on Ariens Zoom Zero-Turn Mowers:** 915131, 915141, 915143, 915157, 915159, 915161, 915189
- **Fits specific models including:**
 - 911703 (000101 -) Pro-24 HWSP (Self-Propel Assembly)
 - 911707 (000101 - 004199) Pro-24 HWSP Brush Cutter (Idler And Rocker Arm, Self-Propelled)
 - 815034 (000101 -) XL Series Snow Thrower (Reduction Drive Assembly)
 - 888308 (000101 -) 48" Side Discharge Deck CE (Belts, Idlers and Blades)
 - 915131 (010000 -) Briggs & Stratton 34" Mower (Engine, Exhaust, Belts And Idlers)
 - 915141 (000101 -) Briggs & Stratton 42" Mower (Engine, Exhaust, Belts And Idlers)
 - 915143 (000101 -) Kawasaki 50" Mower (Engine, Exhaust, Belts And Idlers)
 - 915151 (000101 -) Briggs & Stratton 34" Mower (Engine, Exhaust, Belts And Idlers)
 - 915155 (000101 -) Briggs & Stratton 42" Mower (Engine, Exhaust, Belts And Idlers)
 - 915157 (000101 - 009999) Briggs & Stratton, Zoom 34 (Engine, Exhaust, Belts And Idlers)
 - 915157 (010000 - 029999) Briggs & Stratton, Zoom 34" Mower (Engine, Exhaust, Belts And Idlers)
 - 915157 (030000 - 034999) Zoom 34 (Engine, Exhaust, Belts And Idlers)
 - 915157 (035000 -) Zoom 34 (Engine, Exhaust, Belts And Idlers)
 - 915159 (000101 - 009999) Kohler, Zoom 42 (Engine, Exhaust, Belts And Idlers)
 - 915159 (010000 - 029999) Kohler, Zoom 42" Mower (Engine, Exhaust, Belts And Idlers)
 - 915159 (030000 - 034999) Zoom 42 (Engine, Exhaust, Belts And Idlers)
 - 915159 (035000 - 044999) Zoom 42 (Engine, Exhaust, Belts And Idlers)
 - 915159 (045000 -) Zoom 42 (Engine, Exhaust, Belts And Idlers)
 - 915161 (000101 - 009999) Kohler, Zoom 50 (Engine, Exhaust, Belts And Idlers)
 - 915161 (010000 - 029999) Kohler, Zoom 50" Mower (Engine, Exhaust, Belts And Idlers)

Always verify compatibility with your specific equipment model and part number before purchasing and installing.

INSTALLATION AND SETUP

Replacing an extension spring typically involves relieving tension from the existing spring, carefully removing it, and then installing the new spring. Due to the tension involved, it is recommended to consult your mower's specific service manual or seek professional assistance for installation to prevent injury or damage to the equipment.

General Installation Steps (Consult your specific mower manual for detailed instructions):

1. **Safety First:** Ensure the mower is turned off, the engine is cool, and the spark plug wire is disconnected to prevent accidental starting. Engage the parking brake.
2. **Locate the Spring:** Identify the old extension spring that needs replacement. It is often associated with the drive belt or deck tensioning system.
3. **Relieve Tension:** Use appropriate tools (e.g., spring puller, pry bar) to carefully relieve tension from the old spring. Be extremely cautious as springs under tension can cause serious injury.
4. **Remove Old Spring:** Once tension is relieved, detach the old spring from its mounting points.
5. **Install New Spring:** Attach the new Ariens 08300512 spring to the designated mounting points. Ensure it is securely fastened.
6. **Restore Tension:** Carefully restore tension to the spring system. Double-check all connections.
7. **Test Operation:** Reconnect the spark plug wire. Start the mower and test its operation in a safe, open area to ensure the new spring functions correctly and maintains proper belt tension.

If you are unsure about any step, please refer to your mower's official service manual or contact a certified technician.

OPERATING CONSIDERATIONS

Once installed, the extension spring operates automatically to maintain tension in the belt system. Proper tension is crucial for efficient power transfer and to prevent premature wear of belts and pulleys. Regularly inspect the spring for signs of wear or damage.

MAINTENANCE

To ensure the longevity and optimal performance of your Ariens 08300512 extension spring and associated components, consider the following maintenance tips:

- **Regular Inspection:** Periodically inspect the spring for signs of rust, corrosion, stretching, or breakage. Check the hooks for deformation or wear.
- **Cleanliness:** Keep the area around the spring free from debris, grass clippings, and dirt, which can interfere with its operation.
- **Lubrication:** While not always necessary for extension springs, a light application of a dry lubricant (e.g., silicone spray) can help prevent rust and ensure smooth movement in some applications. Consult your mower's manual for specific lubrication recommendations.
- **Replacement:** Replace the spring immediately if any signs of damage or excessive wear are observed. A failing spring can lead to belt slippage, reduced performance, or further damage to your mower.

TROUBLESHOOTING

If you experience issues related to belt tension or mower performance, the extension spring might be a contributing factor. Here are some common symptoms and potential solutions:

- **Symptom: Belt Slippage or Loss of Power:**
 - **Possible Cause:** Worn, stretched, or broken extension spring.
 - **Solution:** Inspect the spring for damage. If it appears stretched, corroded, or broken, replace it with a new Ariens 08300512 spring.
- **Symptom: Excessive Belt Wear or Noise:**
 - **Possible Cause:** Incorrect spring tension (too tight or too loose) or a damaged spring.
 - **Solution:** Ensure the spring is correctly installed and providing appropriate tension. Replace if

damaged.

- **Symptom: Difficulty Engaging/Disengaging Blades or Drive:**
 - **Possible Cause:** Spring not providing adequate tension for engagement mechanism.
 - **Solution:** Check the spring's integrity and proper attachment. Replace if faulty.

For persistent issues, consult your mower's service manual or contact a qualified service technician.

RELATED VIDEOS

08300512 Lawn Tractor Idler Arm Return Spring

Your browser does not support the video tag.

This video demonstrates the Ariens 08300512 Mower Extension Spring, showing its physical characteristics and flexibility. It highlights the spring's design and potential application as an idler arm return spring for lawn tractors.

Lawnmower Idler Extension Spring (08334700, 08336100)

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This video showcases an idler extension spring, which replaces part numbers 08334700 and 08336100, compatible with the Ariens 08300512. It illustrates the spring's appearance and how it functions under tension.

Tension Spring 732-0459C

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This video provides a detailed look at a tension spring, part number 732-0459C, which is a common replacement for various lawn mowers. It demonstrates the spring's construction and flexibility, offering insight into its application.

WARRANTY AND SUPPORT

As a Genuine OEM part, the Ariens 08300512 extension spring is manufactured to high standards. For specific warranty information, please refer to the documentation provided with your original Ariens or Gravely equipment, or contact Ariens customer support directly. Keep your purchase receipt for any warranty claims.

For further assistance or technical support, please visit the official [Ariens Store](#) or contact their customer service department.