

[Manuals.plus](#) /

› [Spartan Mowers](#) /

› Spartan Mowers 434-0008-00 Deck Assist Gas Spring User Manual for RZ, RZ Pro, RZ HD, RZ-C Series

Spartan Mowers 434-0008-00

Spartan Mowers 434-0008-00 Deck Assist Gas Spring User Manual

Model: 434-0008-00 | Brand: Spartan Mowers

INTRODUCTION AND OVERVIEW

This manual provides essential information for the proper installation, operation, and maintenance of your Spartan Mowers 434-0008-00 Deck Assist Gas Spring. This component is designed to assist in lifting and lowering the mower deck, reducing manual effort and improving user experience. It is a genuine Spartan Mower factory part, ensuring compatibility and performance with specified models.



Image: The Spartan Mowers 434-0008-00 Deck Assist Gas Spring, a black cylindrical component with attachment points at both ends.

PRODUCT FEATURES

- **Genuine Spartan Mower Factory Part:** Ensures optimal fit and performance.
- **Compatibility:** Fits Spartan Mowers 2017-2022 RZ, 2019-2022 RZ Pro, 2020-2022 RZ HD, and 2021-2022 RZ-C models.
- **Deck Assist Functionality:** Provides pneumatic assistance for easier raising and lowering of the mower deck.



Image: Close-up view of the gas spring, showing "STABILUS LIFT-O-MAT" branding, indicating its manufacturer and type.

SAFETY INFORMATION

Always prioritize safety when working with machinery. Before installation or maintenance, ensure the mower is turned off, the engine is cool, and the spark plug wire is disconnected to prevent accidental starting. Wear appropriate personal protective equipment (PPE), including gloves and eye protection. If you are unsure about any step, consult a qualified service technician.

SETUP AND INSTALLATION

The 434-0008-00 Deck Assist Gas Spring is designed for direct replacement. Follow these general steps for installation:

- 1. Prepare the Mower:** Park the mower on a flat, stable surface. Engage the parking brake. Turn off the engine and remove the ignition key. Disconnect the spark plug wire.
- 2. Access the Deck Assist Mechanism:** Locate the existing gas spring on your mower's deck assist system. Refer to your mower's specific service manual for exact location and access procedures.
- 3. Support the Deck:** Safely support the mower deck in a raised position using appropriate lifting equipment or stands to relieve tension on the gas spring.
- 4. Remove Old Gas Spring:** Carefully detach the old gas spring from its mounting points. This usually involves removing retaining clips or bolts. Note the orientation of the old spring for correct installation of the new one.
- 5. Install New Gas Spring:** Attach the new 434-0008-00 gas spring to the mounting points, ensuring it is oriented correctly. Secure it with the appropriate retaining clips or bolts. Do not force the spring; it should fit smoothly.
- 6. Test Functionality:** Once installed, carefully lower the mower deck support and test the deck assist function. The deck should raise and lower with reduced effort.
- 7. Reconnect and Verify:** Reconnect the spark plug wire. Start the mower and perform a final check of the deck lift system.

Always consult your specific Spartan Mowers model service manual for detailed, model-specific installation instructions and torque specifications.

OPERATION

The Deck Assist Gas Spring operates automatically as part of your mower's deck lift system. Its primary function is to provide counter-balance force, making the physical effort required to raise the mower deck significantly lighter. There are no user-adjustable settings on the gas spring itself. Proper operation is indicated by a smooth and assisted movement of the mower deck when using the deck lift lever.

MAINTENANCE

To ensure the longevity and proper function of your gas spring, perform the following maintenance checks:

- **Regular Inspection:** Periodically inspect the gas spring for any signs of damage, leaks, or corrosion. Check the mounting points for looseness or wear.
- **Cleaning:** Keep the gas spring clean from dirt, debris, and grass clippings. A damp cloth can be used for cleaning. Avoid using harsh chemicals or abrasive cleaners.
- **Lubrication:** The gas spring is a sealed unit and does not require internal lubrication. Do not attempt to lubricate the shaft or seals, as this can attract dirt and cause damage.
- **Storage:** If the mower is stored for an extended period, ensure the gas spring is clean and free from moisture.



Image: The gas spring showing a part number or serial number on its body, useful for identification.

TROUBLESHOOTING

If you experience issues with your deck assist system, consider the following:

- **Deck is Hard to Lift:** This is the most common symptom of a failing gas spring. If the deck feels significantly heavier to lift than usual, the gas spring may have lost its pressure and requires replacement.
- **Visible Damage or Leaks:** Inspect the gas spring for any visible damage, bends, or fluid leaks. Any of these indicate a need for replacement.
- **Loose Connections:** Check that the gas spring is securely attached at both mounting points. Loose connections can affect performance.

Note: Gas springs are sealed units and are not repairable. If a gas spring fails, it must be replaced.

SPECIFICATIONS

Specification	Detail
Part Number	434-0008-00
Brand	Spartan Mowers
Model Compatibility	2017-2022 RZ, 2019-2022 RZ Pro, 2020-2022 RZ HD, 2021-2022 RZ-C
Color	Black
Item Weight	8 ounces
Included Components	Shock (Gas Spring)
Manufacturer	Intimidator
UPC	840337701351

WARRANTY INFORMATION

This Spartan Mowers 434-0008-00 Deck Assist Gas Spring comes with a **1-year warranty** from the manufacturer. For specific warranty terms, conditions, and claim procedures, please refer to the official Spartan Mowers warranty documentation provided with your original mower purchase or visit the official Spartan Mowers website.

SUPPORT AND CONTACT

For further assistance, technical support, or to purchase additional genuine Spartan Mowers parts, please contact Spartan Mowers customer service or visit their official website. When contacting support, please have your mower's model and serial number, along with the part number 434-0008-00, readily available.

Official Spartan Mowers Website: www.spartanmowers.com

RELATED PRODUCT INFORMATION

For a broader understanding of Spartan Mowers' engineering and performance, you may find the following video informative:

Your browser does not support the video tag.

Video: "Spartan Mowers: Engineered for Efficiency and Performance." This video provides an overview of Spartan Mowers' design philosophy and highlights various features across their product line, offering context to the quality and engineering behind components like the Deck Assist Gas Spring.