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> RoadActive Suspension 4611-TDHD User Manual

RAS 4611-TDHD

RoadActive Suspension 4611-TDHD Instruction Manual

Model: 4611-TDHD | Brand: RAS

PRODUCT OVERVIEW

The RoadActive Suspension (RAS) 4611-TDHD system is an authentic, Made in USA rear leaf spring upgrade designed for Toyota Tundra models from 1999-2021. This system enhances vehicle performance by improving load and road handling without requiring ongoing maintenance.

Key benefits include:

- Provides up to 40-50% additional strength to the rear suspension.
- Reduces vehicle squat by up to 2-3 inches.
- Maximizes everyday performance by reducing sway and body roll.
- Greatly improves handling and stability.
- Guaranteed to maintain or improve loaded and unloaded ride quality without the need for readjustments.



Image: The RoadActive Suspension 4611-TDHD system components.

SETUP AND INSTALLATION

The RAS 4611-TDHD system is designed for straightforward installation, typically requiring approximately one hour with no specialized tools. The kit comes as a complete set, and once installed, it requires no further adjustments or

maintenance.

Installation involves attaching the units to the vehicle's existing leaf springs. Ensure the vehicle is safely supported and follow all safety precautions during the installation process.



FIT AND FORGET IT

Hassle free upgrade installs in as little as 45 minutes, requires no adjustments or maintenance and works as you need it.

Image: An RAS unit securely mounted to a leaf spring, demonstrating the installation method.

For detailed step-by-step instructions, refer to the official installation guide provided with your product or available on the manufacturer's website.

OPERATING PRINCIPLES AND PERFORMANCE

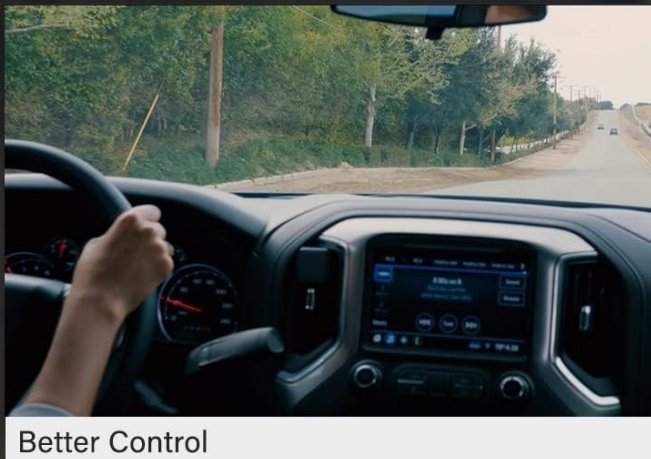
The RoadActive Suspension system works by providing additional support to your vehicle's rear leaf springs. This support is dynamic, engaging progressively to absorb load and reduce common issues associated with heavy loads or towing, such as excessive squat, bounce, and body roll.

The system ensures that both loaded and unloaded ride quality is maintained or improved, offering enhanced stability and control whether you are carrying a heavy payload, towing a trailer, or driving unladen.

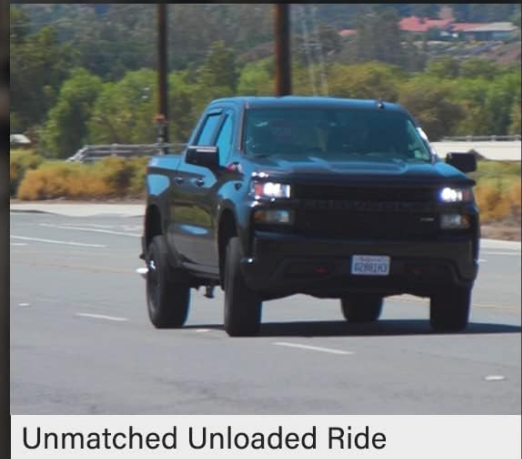
SEAMLESS COMFORT AND LOAD CONTROL WITH RAS®



Reduce Squat, Bounce And Instability



Better Control



Unmatched Unloaded Ride

Image: A truck with the RAS system maintaining a level stance while towing a trailer, illustrating improved load control.

The tension coil springs within the RAS unit act as a counter-balance to the reactive leaf springs, effectively damping rebound and hop, especially when the vehicle is loaded.

MAINTENANCE

The RoadActive Suspension system is designed to be maintenance-free. Once installed, it does not require periodic adjustments, lubrication, or other routine servicing. Its robust construction ensures long-term performance without hassle.

TROUBLESHOOTING

Due to its simple and durable design, the RoadActive Suspension system typically experiences minimal issues. If you encounter any unexpected behavior or have concerns regarding the performance of your RAS system, please:

- Verify that the installation was performed correctly according to the official instructions.
- Ensure all bolts and fasteners are securely tightened.

- Inspect the units for any visible damage or wear.

For further assistance, contact RoadActive Suspension customer support.

SPECIFICATIONS

Attribute	Detail
Manufacturer	RoadActive Suspension
Brand	RAS
Model Number	4611-TDHD
Item Weight	30.1 pounds
Package Dimensions	31.5 x 10.2 x 5.6 inches
Compatibility	Toyota Tundra 1999-2021

WARRANTY AND SUPPORT

For detailed information regarding the product warranty, please refer to the official RoadActive Suspension website or the warranty documentation included with your purchase. Warranty terms and conditions may vary.

For technical support, installation inquiries, or any other assistance, please contact RoadActive Suspension directly through their official channels. You can typically find contact information on their website or in the product packaging.

Note: Always ensure you are referring to the most current information provided by the manufacturer.