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› SCITOO 6pc Front Suspension Kit Instruction Manual for Nissan Altima (2015-2018) and Nissan Maxima (2016-2019), Model 840738

SCITOO 840738

SCITOO 6pc Front Suspension Kit Instruction Manual

For Nissan Altima (2015-2018) and Nissan Maxima (2016-2019)

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1. PRODUCT OVERVIEW

This manual provides detailed instructions and information for the SCITOO 6-piece Front Suspension Kit. This kit is designed to replace key front suspension components, aiming to restore vehicle handling and stability. Proper installation is crucial for optimal performance and safety.

Your browser does not support the video tag.

Video 1: An animated overview demonstrating the assembly of various suspension components, including control arms, tie rod ends, and sway bar links, into a complete front suspension system. This illustrates the function and placement of the parts within a vehicle's chassis.

2. INCLUDED COMPONENTS

The SCITOO 6pc Front Suspension Kit includes the following components:

- 2 x ES3306 Front Outer Tie Rod End
- 2 x EV301 Front Inner Tie Rod End
- 1 x K90311 Front Left Sway Bar End Link
- 1 x K90312 Front Right Sway Bar End Link



Image 1: This image displays all six components of the SCITOO Front Suspension Kit, including two inner tie rod ends, two outer tie rod ends, and two sway bar end links, laid out clearly for identification.

3. VEHICLE COMPATIBILITY

This suspension kit is compatible with the following vehicle models:

- Nissan Altima: 2015, 2016, 2017, 2018
- Nissan Maxima: 2016, 2017, 2018, 2019

Important:

Always verify compatibility using your vehicle's year, make, model, and trim level before installation. Refer to the manufacturer's part finder or consult a professional to confirm fitment.

4. INSTALLATION GUIDELINES

Professional installation is highly recommended for your safety and to ensure the correct functioning of these components. Incorrect installation can lead to vehicle damage or unsafe driving conditions.

General Steps:

1. **Preparation:** Ensure the vehicle is safely lifted and supported. Clean the knuckle area with sandpaper and lubricate it prior to installing new components.

2. **Component Replacement:** Carefully remove old components and install new SCITOO parts, ensuring proper alignment.
3. **Torque Specification:** Verify ball joint nut torque to the manufacturer's specifications.
4. **Securing Components:** Insert cotter pins into bolt holes to secure components where applicable.
5. **Final Check:** Double-check that all components are tightened and torqued according to specifications.
6. **Wheel Alignment:** After replacing suspension components, a professional wheel alignment is essential to ensure proper steering and tire wear.

INSTALLATION ATTENTION



Knuckle should be clean with sandpaper and lubricated prior



Verify ball joint nut torque to manufacture specification



Insert the cotter pin in the bolt hole to secure



Double-check that everything is tightened and torqued

Image 2: This collage illustrates critical steps during suspension component installation, including cleaning the knuckle, verifying torque, securing with a cotter pin, and performing a final tightness check.

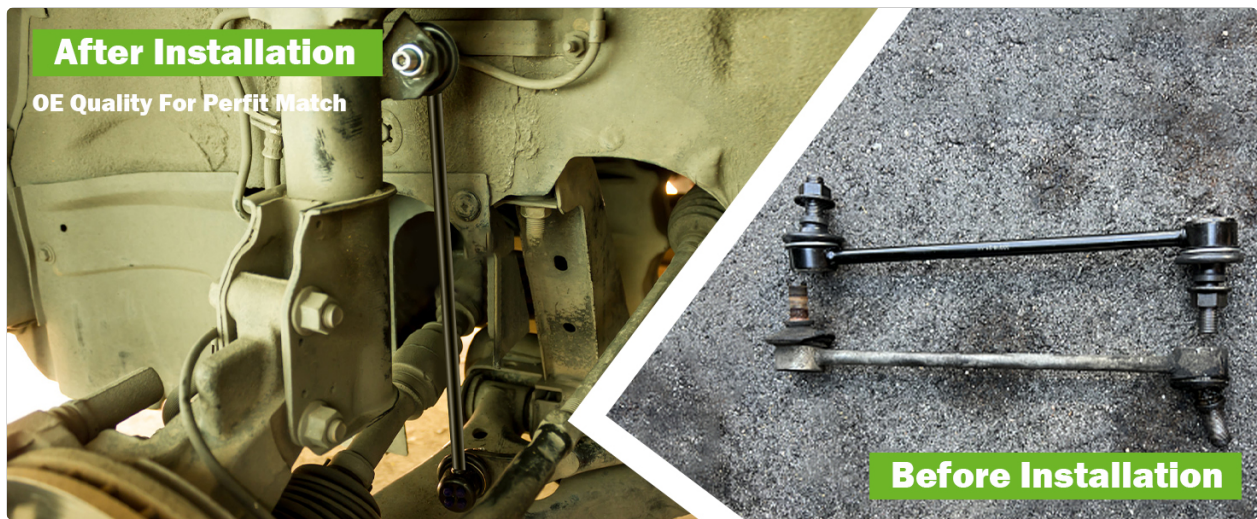


Image 3: A visual comparison showing a worn, old suspension component next to a newly installed SCITOO part, highlighting the improved appearance and fit after installation.

5. MAINTENANCE

To ensure the longevity and optimal performance of your SCITOO suspension components, consider the following maintenance practices:

- **Regular Inspection:** Periodically inspect all suspension components for signs of wear, damage, or loose connections.
- **Lubrication:** Some parts are pre-greased for long-lasting life. Avoid over-greasing, as this can damage rubber boots and allow dirt or water to enter.
- **Cleaning:** Keep suspension components free from excessive dirt and debris.
- **Replacement Schedule:** It is recommended to replace suspension parts after 50,000 to 80,000 miles, or sooner if signs of wear are present.

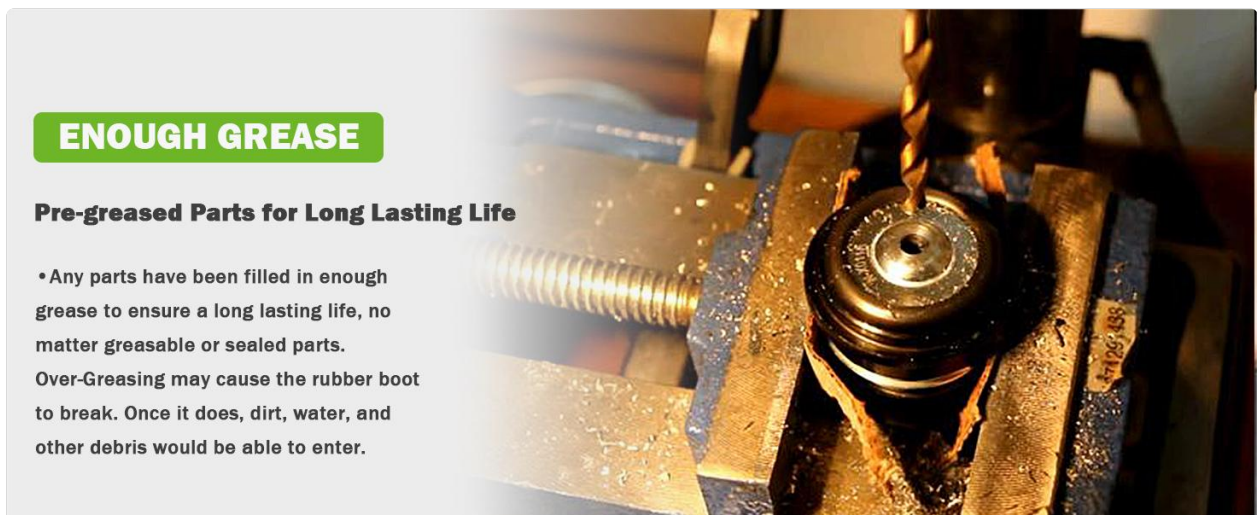


Image 4: This image highlights the importance of proper lubrication in suspension components, emphasizing that pre-greased parts contribute to longevity and that over-greasing can be detrimental.

6. TROUBLESHOOTING COMMON ISSUES

If you experience any of the following issues, it may indicate a need for suspension component inspection or replacement:

- **Crash Sound:** Unusual noises during driving, especially over bumps.

- **Unstable Steering:** Difficulty maintaining a straight path or excessive play in the steering wheel.
- **Uneven Tire Wear:** Tires showing abnormal wear patterns, such as feathering or cupping.
- **Excessive Vibration:** Vibrations felt through the steering wheel or vehicle body.
- **Drifting Steering Wheel:** The steering wheel pulls to one side without input.
- **Rattling or Clunking Noises:** Indicative of loose or worn components.
- **Swaying and Bouncing:** Excessive body roll or bouncing, particularly at low speeds.

IT'S TIME TO CHECK AND REPLACE YOUR SUSPENSION PART



1. Drifting Steering Wheel



2. Excessive Vibration



3. Rattling Or Clunking Noises



4. Uneven Tire Wear

Image 5: This graphic illustrates common symptoms of worn suspension components, such as a drifting steering wheel, excessive vibration, rattling noises, and uneven tire wear, prompting a check or replacement.

Your browser does not support the video tag.

Video 2: This video demonstrates how a SCITOO suspension kit can improve ride quality, showing a vehicle navigating various road conditions smoothly, implying the reduction of bumps and vibrations.

7. PRODUCT SPECIFICATIONS

Brand	SCITOO
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Model Number	840738
Item Weight	8.05 pounds
Product Dimensions	14.96 x 4.49 x 2.99 inches
Position	Front
OEM Part Numbers	ES3306, EV301, K90311, K90312, 4504609020, 4504629255, 4504659115, 4504629355, 4550309030, 4550309040, 4550329355, 4550339055, 4550339135, 4881006030, 4881033010, 4882006030, 4882033020

Material and Construction:

- **Superior Strength Material:** Designed for higher resistance and performance.
- **Premium Electrophoretic Coating:** Applied to maximize durability and wear resistance, preventing rust and wear.
- **High Performance Grease:** Ensures smooth movement and reduces wear.
- **Optimal Sealing Ring:** Durable pre-stressing ensures the sleeve is sealed.
- **Precious-Manufactured Ball Pin:** For smooth joint operation and improved durability.
- **Special Material Rubber Cover:** Protects against road dirt and allows continued free movement of the ball joint.

SCITOO



— SUPERIOR STRENGTH MATERIAL
For higher resistance and performance

— PREMIUM ELECTROPHORETIC COATING
To maximize durability and wear resistance

Image 6: This image emphasizes the use of superior strength materials and premium electrophoretic coating in SCITOO suspension components, designed for enhanced resistance and performance.

ELECTROPHORETIC COATING PARTS



Image 7: A comparative image showcasing the benefits of electrophoretic coating on SCITOO parts, contrasting them with uncoated, rusted components from other brands to highlight durability and wear resistance.



Image 8: This detailed diagram illustrates the internal construction of a suspension component, pointing out features like the metal process, rustproof stud, high-performance grease, optimal sealing ring, precision-manufactured ball pin, and special material rubber cover.

8. WARRANTY AND SUPPORT

SCITOO Auto Parts provides **1 year replacement support** for this product. For any inquiries or assistance, please contact SCITOO customer service.

Legal Disclaimer: All references to brand names and models are for compatibility purposes only and do not imply any affiliation or endorsement by the original manufacturer.