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› SCITOO 16-PC SET Wheel Hub Bearing Front Drilled & Slotted Brake Rotors w/Ceramic Pads Front Lower Control Arm Ball Joint Outer & Inner Tie Rods Sway Bar Link For Chevy Impala For Chevy Monte Carlo Instruction Manual

SCITOO 837323-5336-1539314491

SCITOO 16-PC Suspension & Brake Kit Instruction Manual

Model: 837323-5336-1539314491

1. PRODUCT OVERVIEW

This SCITOO 16-piece set is a comprehensive replacement kit for the front suspension and braking system of specific Chevrolet Impala and Monte Carlo models. It includes essential components designed to restore vehicle stability, braking performance, and ride comfort.

The kit is engineered to meet or exceed OE specifications, ensuring a direct fit and reliable performance. All components undergo rigorous testing to assure durability and strength, providing a high-quality solution for maintaining your vehicle's chassis.



Image 1.1: Complete SCITOO 16-piece suspension and brake kit, including control arms, tie rods, sway bar links, wheel hub bearings, brake rotors, and ceramic pads.

2. KIT CONTENTS

The SCITOO 16-PC SET includes the following components:

- 1 x Front Lower Control Arm and Ball Joint - Driver Side
- 1 x Front Lower Control Arm and Ball Joint - Passenger Side
- 2 x Front Inner Tie Rod End
- 2 x Front Outer Tie Rod End
- 2 x Front Sway Bar End Link
- 2 x Wheel Hub Bearing
- 2 x Front Drilled & Slotted Brake Rotor

- 1 x Set of Front Ceramic Brake Pads (4 pads)

HIGH QUALITY PARTS



SCITOO SUSPENSION KIT

1. High quality products
2. Reliable Trademark
3. Wide consumer group
4. Complete range of styles

Image 2.1: Overview of high-quality SCITOO parts, illustrating various suspension and steering components.



Image 2.2: Detailed view of a SCITOO sway bar end link, a component included in the kit.



Image 2.3: Detailed view of a SCITOO inner tie rod end, a component included in the kit.

3. SPECIFICATIONS

Attribute	Value
Brand	SCITOO
Model Number	837323-5336-1539314491
Item Weight	79.4 pounds

Product Dimensions	22.22 x 18.5 x 14.96 inches
Country of Origin	China
Exterior Finish	Metallic Finish
OEM Part Numbers	K80538, K80539, ES3453, EV195, K5342, 513121F, 55034, D699-7574
Compatible Vehicles	2000-2005 Chevy Impala, 2000-2005 Chevy Monte Carlo

4. SETUP AND INSTALLATION

This SCITOO kit is designed as a direct fit replacement for the specified vehicle models. While the components are fully assembled and ready for installation, the replacement of suspension and brake components requires specialized tools and automotive knowledge. For safety and proper function, it is highly recommended that installation be performed by a certified professional mechanic.

4.1. Pre-Installation Checks

- Verify that all 16 components listed in Section 2 are present and undamaged.
- Ensure the kit is compatible with your vehicle's specific year, make, and model (2000-2005 Chevy Impala or Monte Carlo).
- Gather all necessary tools and safety equipment, including jack stands, wheel chocks, torque wrenches, and personal protective equipment.

4.2. Installation Guidance

Refer to your vehicle's specific service manual for detailed, step-by-step instructions on replacing each component. General steps typically include:

1. Safely lift and secure the vehicle.
2. Remove the wheels and existing suspension/brake components.
3. Install new control arms, ball joints, tie rod ends, and sway bar links, ensuring all fasteners are torqued to manufacturer specifications.
4. Install new wheel hub bearings, brake rotors, and ceramic brake pads.
5. Bleed the brake system if lines were opened.
6. Reinstall wheels and lower the vehicle.
7. Perform a wheel alignment after suspension component replacement.

1.Ease of installation

Designed as a direct fit replacement, the control arms are easy to install with the proper tools for better ride



Image 4.1: Illustration of professional installation, highlighting the ease of fit for SCITOO components.

Image 4.2: SCITOO components are designed with precision tolerances for easy installation and high strength.

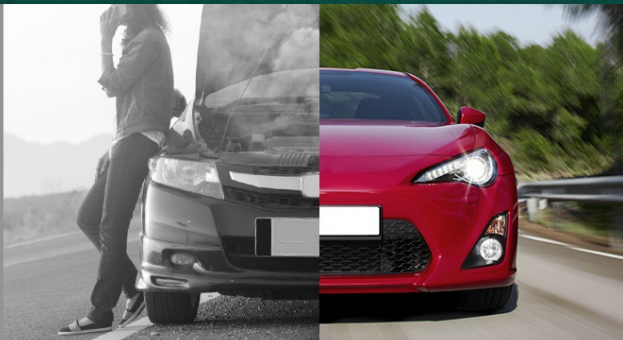
5. OPERATION AND PERFORMANCE

After proper installation, the SCITOO 16-PC kit is designed to significantly improve your vehicle's handling and safety. You should experience:

- **Stable Steering Control:** Enhanced responsiveness and predictability in steering.
- **Smooth Driving:** Reduced vibrations and a more comfortable ride.
- **Even Tire Wear:** Proper alignment and functioning suspension components contribute to uniform tire wear.
- **Strong Braking Performance:** New rotors and ceramic pads provide reliable and efficient stopping power.

Before installation:

Unstable steering control ❌
Strange abnormal noises ❌
Uneven tire wear ❌
Poor braking performance ❌



After installation:

Stable steering control ✅
Smooth driving ✅
Even tire wear ✅
Strong braking performance ✅

Image 5.1: Visual comparison of vehicle performance before and after installing the SCITOO kit, highlighting improvements.

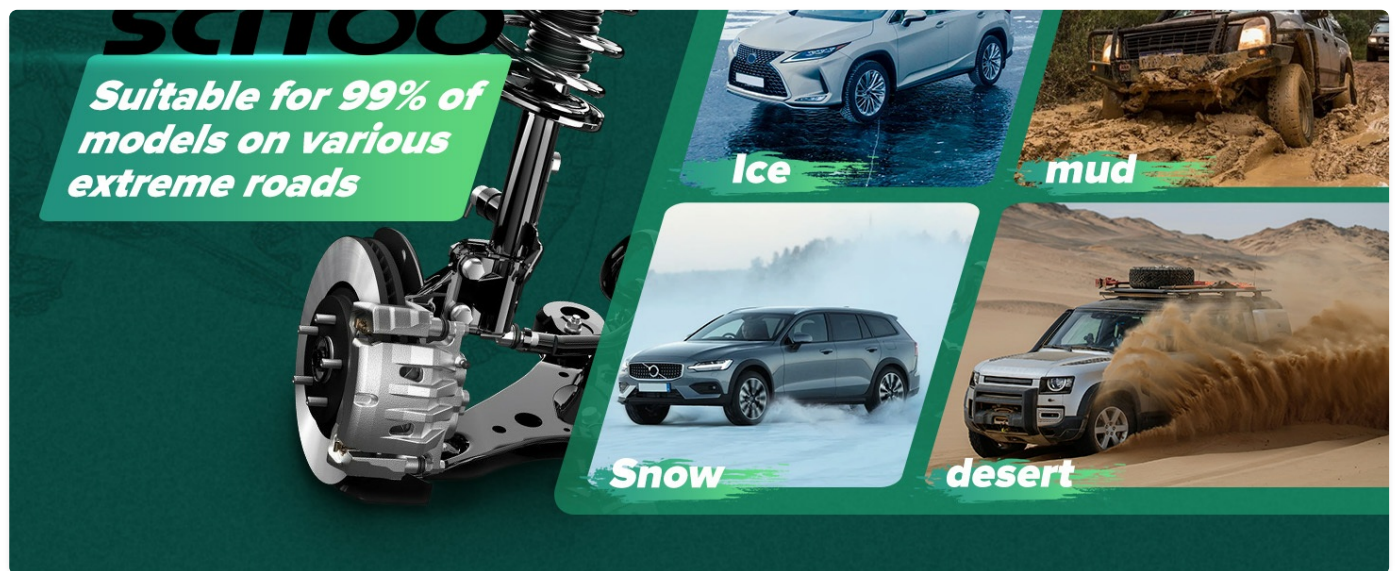


Image 5.2: The SCITOO suspension kit is suitable for various driving conditions, promoting stable performance.

6. MAINTENANCE

Regular inspection and maintenance of your vehicle's suspension and braking system are crucial for safety and longevity. While SCITOO components are built for durability, periodic checks can help identify potential issues early.

- **Routine Inspections:** Have your suspension and brake components inspected during regular vehicle service intervals (e.g., oil changes).
- **Check for Wear:** Look for signs of wear on ball joint boots, tie rod ends, and sway bar links. Inspect brake pads for thickness and rotors for excessive wear or scoring.
- **Listen for Noises:** Pay attention to any new or unusual noises coming from the suspension or braking system.
- **Wheel Alignment:** Ensure wheel alignment is checked periodically, especially after hitting potholes or any significant impact, to prevent uneven tire wear and maintain handling.

7. TROUBLESHOOTING

If you experience any of the following symptoms after installation or during regular use, it may indicate an issue with your suspension or braking system. Professional diagnosis is recommended.

- **Unstable Steering Control:** If the vehicle drifts, pulls, or feels loose when steering.
- **Strange Abnormal Noises:** Clunking, squeaking, or grinding sounds from the wheels or undercarriage.
- **Uneven Tire Wear:** If tires show unusual wear patterns (e.g., feathering, cupping).
- **Poor Braking Performance:** Reduced stopping power, spongy brake pedal, or excessive noise during braking.

These symptoms suggest that components may be worn, damaged, or improperly installed. Prompt attention to these issues is vital for vehicle safety.



SUPENSION KIT NEEDS TO BE REPLACED



Unstable steering control



Strange abnormal noises



Uneven tire wear



Poor braking performance

Image 7.1: Common indicators that your vehicle's suspension and brake components may require inspection or replacement.

8. WARRANTY AND SUPPORT

SCITOO stands behind the quality of its products. This 16-PC SET comes with a **1-Year Warranty** from the date of

purchase, covering manufacturing defects and material failures under normal use.

For warranty claims, technical assistance, or any product-related inquiries, please contact SCITOO customer support. Keep your purchase receipt as proof of purchase for warranty validation.

For additional information and support, you may visit the official SCITOO store on Amazon:[SCITOO Store](#)

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This manual is for informational purposes only. Always consult a qualified professional for installation and service.

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