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SPC Performance spc66050

SPC Control Arm (66050) Instruction Manual

Brand: SPC Performance | Model: spc66050

PRODUCT OVERVIEW

The SPC Control Arm (66050) is a high-quality replacement bushing designed for automotive suspension systems. This component plays a critical role in maintaining proper wheel alignment, ensuring stable handling, and absorbing road vibrations. It is engineered for vehicle-specific fitment, providing a precise and reliable solution for suspension maintenance and repair.

SETUP AND INSTALLATION

Installation of the SPC Control Arm (66050) bushing requires specialized tools and automotive knowledge. It is highly recommended that installation be performed by a qualified professional to ensure proper fitment, safety, and vehicle alignment. Refer to your vehicle's specific service manual for detailed instructions regarding control arm removal and installation procedures.

General Installation Considerations:

- Ensure the vehicle is securely supported on a lift or jack stands.
- Carefully remove the existing control arm or bushing assembly.
- Clean all mating surfaces before installing the new bushing.
- Apply appropriate lubricants if specified by the vehicle or bushing manufacturer.
- Install the new SPC Control Arm (66050) bushing, ensuring correct orientation and seating.
- Torque all fasteners to the vehicle manufacturer's specifications.
- After installation, a professional wheel alignment is strongly recommended to prevent premature tire wear and ensure optimal vehicle handling.

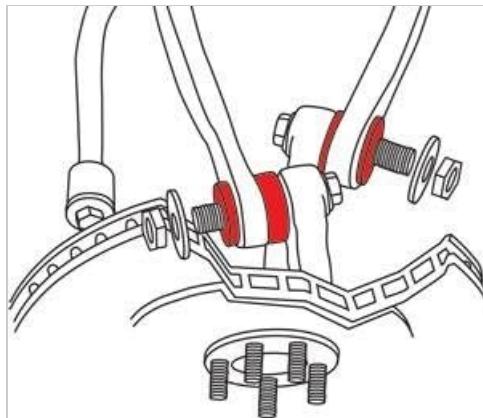


Figure 1: Illustrative diagram of a control arm assembly, highlighting the position where bushings are installed. This image demonstrates the typical location and orientation of suspension bushings within a vehicle's front suspension system.



Figure 2: A pair of SPC Control Arm (66050) bushings. These components are designed to fit precisely into the control arm, providing a secure pivot point and reducing unwanted movement in the suspension.



Figure 3: An alternative view of control arm bushings, possibly illustrating a different design or material. While similar in function, variations exist depending on vehicle application and performance requirements.

OPERATING PRINCIPLES

Once installed, the SPC Control Arm (66050) bushing functions as a critical pivot point within the vehicle's suspension system. It allows the control arm to move freely while simultaneously dampening vibrations and maintaining the precise geometry of the suspension. This ensures consistent tire contact with the road, contributing to stable handling, responsive steering, and a comfortable ride. The bushing's design helps to absorb impacts and reduce noise, enhancing overall vehicle performance and driver comfort.

MAINTENANCE

The SPC Control Arm (66050) bushing is designed for durability and long-term performance. While it does not require routine user maintenance, periodic inspection of all suspension components is recommended as part of your vehicle's regular service schedule. Look for signs of wear, cracking, or excessive play in the bushings. If any issues are detected, consult a qualified automotive technician for diagnosis and replacement.

Inspection Checklist:

- Visually inspect the rubber or polyurethane material for cracks, tears, or deterioration.
- Check for any signs of lubricant leakage (if applicable to the bushing type).
- With the vehicle on a lift, gently attempt to move the control arm by hand to check for excessive play.

or looseness in the bushing.

- Listen for unusual noises (squeaks, clunks) coming from the suspension during driving, which could indicate worn bushings.

TROUBLESHOOTING

If you experience any of the following symptoms, it may indicate an issue with your control arm bushings or other suspension components. Professional diagnosis is recommended.

- **Clunking or Squeaking Noises:** Often heard when going over bumps or turning, indicating worn or dry bushings.
- **Poor Steering Response:** A feeling of looseness or excessive play in the steering, making the vehicle difficult to control.
- **Uneven Tire Wear:** Worn bushings can lead to improper wheel alignment, causing tires to wear unevenly.
- **Vehicle Pulling to One Side:** A consistent pull to the left or right, even on a flat road, can be a symptom of suspension component issues.
- **Vibrations:** Excessive vibrations felt through the steering wheel or floorboard, especially at certain speeds.

If you suspect a problem with your SPC Control Arm (66050) bushing or any other suspension part, it is crucial to have your vehicle inspected by a certified mechanic promptly to ensure safety and prevent further damage.

SPECIFICATIONS

Attribute	Detail
Brand	SPC Performance
Model Number	spc66050
Fit Type	Vehicle Specific Fit
Auto Part Position	Upper
Color	Grey
UPC	608067246456
Item Weight	1.6 ounces
Product Dimensions	4.5 x 2 x 3.5 inches
ASIN	B07DDQBQLT
Date First Available	September 30, 2019

WARRANTY AND SUPPORT

For specific warranty information regarding the SPC Control Arm (66050) bushing, please refer to the official SPC Performance website or contact their customer support directly. Warranty terms and conditions typically cover manufacturing defects and may vary. For technical support or installation inquiries, it is

recommended to consult a certified automotive technician or contact SPC Performance customer service.

Manufacturer Website: www.spcperformance.com (Note: This is a placeholder URL, please verify the actual manufacturer website for the most accurate information.)

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This manual is for informational purposes only. Always follow professional automotive repair practices and consult your vehicle's service manual.

Related Documents - spc66050

	<p><u>SPC Performance Toyota/Lexus Adjustable Camber/Caster Upper Arms Installation Guide (Part 35480)</u></p> <p>Detailed installation instructions for SPC Performance adjustable camber/caster upper arms (Part 35480) for Toyota and Lexus vehicles. Includes steps for alignment adjustment, caster/camber settings, and maintenance.</p>
	<p><u>SPC-1500/1700/1900 Series User's Guide - Quanmax</u></p> <p>Comprehensive user's guide for the Quanmax SPC-1500, SPC-1700, and SPC-1900 Series Open Pluggable Specification compliant multi-touch bezel-free flat panel PCs. Includes installation, operation, safety, and maintenance information.</p>
	<p><u>Titans SPC-III Series Intelligent Charger User Manual</u></p> <p>User manual for the Titans SPC-III series intelligent portable smart chargers, detailing product features, technical specifications, operating instructions, maintenance, and after-sales service.</p>
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