

Bilstein 19-151113

Bilstein 19-151113 Twintube Shock Absorber, Rear

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Bilstein 19-151113 Twintube Shock Absorber. This product is designed as a rear suspension component for specific vehicle models, including the 2000-2004 Toyota RAV4. Its primary function is to control spring and suspension movement, ensuring vehicle stability and ride comfort.

2. SAFETY INFORMATION

WARNING: Improper installation or use of this product can lead to serious injury or vehicle damage. Professional installation is highly recommended.

- Always wear appropriate personal protective equipment, including safety glasses and gloves, when working on vehicle suspension components.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work. Never rely solely on a jack.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Do not attempt to disassemble the shock absorber. It contains high-pressure gas and oil, which can cause injury if released improperly.
- Keep hands and clothing clear of moving parts during installation.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 1 x Bilstein 19-151113 Twintube Shock Absorber, Rear

4. SPECIFICATIONS

Brand	Bilstein
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Model Number	19-151113
Auto Part Position	Rear
Vehicle Service Type	2000-2004 Toyota RAV4
Exterior Finish	Painted
Material	Plastic (referring to bushings/boots)
Item Weight	3.8 pounds
GTIN / UPC	651860605272

5. INSTALLATION / SETUP

Installation of shock absorbers requires specialized tools and knowledge. It is strongly recommended that this procedure be performed by a qualified automotive technician.

General Installation Steps (Consult Vehicle Service Manual for Details):

- 1. Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Lift the vehicle and support it securely with jack stands. Remove the wheel(s) as necessary.
- 2. Access Shock Absorber:** Locate the rear shock absorber. Depending on the vehicle, this may require removing interior trim or other components.
- 3. Remove Old Shock:** Carefully loosen and remove the upper and lower mounting bolts/nuts. Support the suspension component to prevent it from dropping. Remove the old shock absorber.
- 4. Install New Shock:** Position the new Bilstein 19-151113 shock absorber into place. Ensure all bushings and washers are correctly oriented. Install the upper and lower mounting bolts/nuts.
- 5. Torque Fasteners:** Tighten all mounting hardware to the vehicle manufacturer's specified torque values. Do not overtighten.
- 6. Final Steps:** Reinstall any removed components, reattach the wheel(s), and lower the vehicle. Perform a final check of all fasteners.



An image showing the Bilstein 19-151113 Twintube Shock Absorber. The shock is black, cylindrical, and features mounting points at both ends. The Bilstein logo is visible on the body.

6. OPERATION

The Bilstein 19-151113 Twintube Shock Absorber operates passively as part of your vehicle's suspension system. Once correctly installed, it requires no direct user interaction. Its function is continuous, dampening suspension oscillations to maintain tire contact with the road and provide a stable, comfortable ride.

7. MAINTENANCE

Regular inspection of your shock absorbers is crucial for vehicle safety and performance.

- **Visual Inspection:** Periodically inspect the shock absorbers for signs of oil leaks, physical damage (dents, bends), or worn bushings.
- **Mounting Points:** Check that all mounting bolts and nuts are secure and properly torqued.
- **Dust Boots:** Ensure dust boots (if equipped) are intact to protect the shock shaft from contaminants.
- **Cleaning:** Keep the shock absorbers free from excessive dirt and debris.

If any issues are detected, consult a qualified technician for inspection and potential replacement.

8. TROUBLESHOOTING

If you experience issues with your vehicle's suspension after installing or while using Bilstein 19-151113 shock absorbers, consider the following:

- **Excessive Bouncing or Poor Ride Quality:** This could indicate worn shock absorbers or incorrect installation.
- **Unusual Noises (Clunking, Squeaking):** May suggest loose mounting hardware, worn bushings, or internal shock damage.

- **Oil Leaks:** Visible oil on the shock body indicates a seal failure, requiring shock replacement.
- **Uneven Tire Wear:** Can be a symptom of suspension issues, including faulty shock absorbers.

For any persistent issues, it is recommended to have your vehicle inspected by a professional automotive technician.

9. WARRANTY INFORMATION

The Bilstein 19-151113 Twintube Shock Absorber is covered by a manufacturer's warranty. For specific terms, conditions, and duration of the warranty, please refer to the official Bilstein website or contact Bilstein customer service directly. Keep your proof of purchase for warranty claims.

10. SUPPORT

For technical assistance, product inquiries, or warranty support, please contact Bilstein customer service through their official website or an authorized Bilstein dealer. Ensure you have your product model number (19-151113) and purchase details available when seeking support.

ASK A QUESTION ABOUT THIS MANUAL

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