

TRQ SBA60630

TRQ Front Shock Absorber User Manual

Model: SBA60630 | Brand: TRQ

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your TRQ Front Shock Absorber. Please read this manual thoroughly before attempting any installation or service. Proper installation and maintenance are crucial for the performance and longevity of the product and the safety of your vehicle. The TRQ Front Shock Absorber is designed as a direct fit, OE replacement component, engineered to meet or exceed OEM standards for enhanced performance and maximum longevity.



Image 1.1: TRQ Front Shock Absorber with its packaging.

2. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow safety precautions can result in serious injury or damage to the vehicle.

- **Professional Installation Recommended:** Installation of automotive suspension components requires specialized tools and knowledge. It is highly recommended that this product be installed by a certified automotive technician.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses, gloves, and closed-toe shoes.
- **Secure Vehicle:** Ensure the vehicle is properly supported on a level surface using jack stands before beginning any work. Never rely solely on a jack.
- **Consult Vehicle Service Manual:** Refer to your vehicle's specific service manual for detailed instructions on shock absorber removal and installation procedures.
- **Handle with Care:** Shock absorbers are gas-charged and under pressure. Do not attempt to disassemble or puncture the unit.

3. PACKAGE CONTENTS

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

- 1x TRQ Front Shock Absorber (Model: SBA60630)

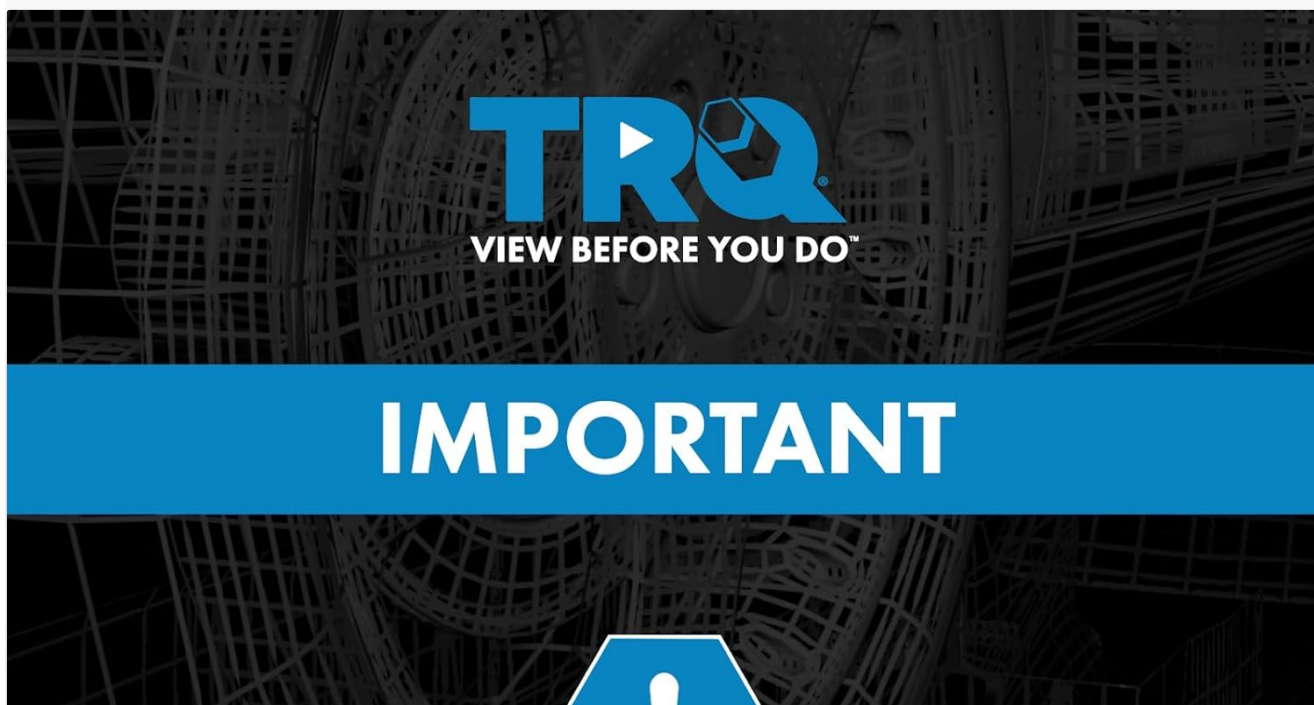
Note: Additional hardware such as nuts, bolts, or bushings may need to be reused from the original assembly or purchased separately, depending on your vehicle's requirements.

4. SPECIFICATIONS

Attribute	Value
Brand	TRQ
Model Number	SBA60630
Auto Part Position	Front
Body Diameter	1.77 inches
Compressed Length	15.43 inches
Extended Length	20.12 inches
Travel Length	4.69 inches
Lower Mount Type	Loop (Eyelet) Bushing and Sleeve
Upper Mount Type	Stem
Gas Charged	Yes
Material	Metal
Item Weight	6.46 pounds
Reference Numbers	341266, 71133, 71386, G56598

5. COMPATIBILITY

This TRQ Front Shock Absorber (Model SBA60630) is compatible with the following Lexus vehicles:



VERIFY FITMENT BEFORE PLACING YOUR ORDER.

Complete fitment information
in the Product Description below.

Image 5.1: Important reminder to verify vehicle fitment.

- **Lexus GS300:** 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005 (Front Driver and Passenger Side)
- **Lexus GS400:** 1998, 1999, 2000 (Front Driver and Passenger Side)
- **Lexus GS430:** 2001, 2002, 2003, 2004, 2005 (Front Driver and Passenger Side)
- **Lexus SC430:** 2002, 2003, 2004, 2005 (Front Driver and Passenger Side)

It is essential to verify this product's compatibility with your specific vehicle's make, model, and year before installation. Consult your vehicle's service manual or a qualified mechanic if you are unsure.

6. INSTALLATION

The following is a general overview of shock absorber replacement. Specific steps may vary by vehicle model. Always refer to your vehicle's factory service manual for precise instructions.

6.1. Tools and Materials Required (Typical)

- Vehicle jack and jack stands
- Wheel chocks
- Socket wrench set and various sockets
- Open-end wrenches
- Torque wrench
- Penetrating oil
- Wire brush
- Safety glasses and gloves

6.2. General Installation Steps

1. **Prepare Vehicle:** Park the vehicle on a flat, level surface. Engage the parking brake and place wheel chocks behind the rear wheels. Loosen the lug nuts on the front wheels.
2. **Lift and Secure:** Using a jack, lift the front of the vehicle and support it securely with jack stands. Remove the front wheels.
3. **Locate and Remove Old Shock:** Identify the front shock absorber. Apply penetrating oil to any rusted bolts or nuts. Carefully remove the upper and lower mounting bolts/nuts securing the old shock absorber. You may need to compress the suspension slightly to relieve tension.
4. **Install New Shock:** Position the new TRQ shock absorber in place. Ensure proper orientation. Install the upper and lower mounting bolts/nuts, hand-tightening them initially.
5. **Torque Fasteners:** Refer to your vehicle's service manual for the correct torque specifications for all mounting bolts and nuts. Tighten them to the specified values using a torque wrench.
6. **Reassemble:** Reinstall the front wheels and hand-tighten the lug nuts.
7. **Lower Vehicle:** Carefully lower the vehicle off the jack stands.
8. **Final Tightening:** With the vehicle on the ground, fully tighten the lug nuts to the manufacturer's specifications.
9. **Test Drive:** Perform a short test drive to ensure proper function and check for any unusual noises or handling characteristics.



Image 6.1: A TRQ Premium Shock Absorber being handled during installation.



Image 6.2: TRQ offers step-by-step installation videos for various models.

7. OPERATION

Shock absorbers are passive components designed to dampen suspension oscillations. Once installed, the TRQ Front Shock Absorber will work automatically to:

- **Control Spring Movement:** Prevent excessive bouncing and swaying of the vehicle.
- **Maintain Tire Contact:** Keep tires firmly on the road surface for optimal traction and control.
- **Enhance Ride Comfort:** Absorb road imperfections, providing a smoother and more stable ride.



REDUCED NOISE + VIBRATIONS

Enjoy a quieter ride when you replace worn out shock absorbers eliminating knocking noises and steering wheel vibrations.



INCREASED STABILITY

Absorb road shock and navigate turns more confidently with more precise handling and a smoother driving experience.



EVEN TIRE WEAR

Replace worn out shock absorbers to reduce excessive bouncing and extend the life of your tires.

Image 7.1: Benefits of replacing worn shock absorbers.

8. MAINTENANCE

TRQ shock absorbers are designed for long-lasting performance with minimal maintenance. However, periodic inspection is recommended as part of your vehicle's routine service.

- **Visual Inspection:** During tire rotations or other undercarriage inspections, check the shock absorbers for signs of leaks (oil residue), damage (dents, bends), or worn bushings.
- **Performance Check:** If you notice a decrease in ride comfort, excessive bouncing, or unusual noises from the suspension, have your shock absorbers inspected by a qualified technician.
- **Cleaning:** Keep the exterior of the shock absorbers free from excessive dirt and debris, especially around the shaft and seals.

9. TROUBLESHOOTING

If you experience issues after installing your TRQ Front Shock Absorber, consider the following common troubleshooting points:

Symptom	Possible Cause	Solution
Excessive Bouncing / Poor Ride Quality	Incorrect installation, damaged component, or other worn suspension parts.	Verify all mounting bolts are torqued to specification. Inspect other suspension components (springs, control arms, bushings). Consult a professional.
Clunking or Knocking Noises	Loose mounting bolts, worn bushings, or contact with other components.	Check all fasteners for proper torque. Inspect bushings for wear. Ensure no parts are interfering with the shock absorber's movement.

Oil Leakage from Shock	Seal failure or damage.	A small amount of residue is normal, but significant oil leakage indicates a failed shock absorber. Replacement is necessary.
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If troubleshooting steps do not resolve the issue, contact TRQ customer support or a certified automotive technician for further assistance.

10. WARRANTY AND SUPPORT

TRQ products are manufactured to high-quality standards. For information regarding product warranty, returns, or technical support, please refer to the official TRQ website or contact your retailer. Keep your purchase receipt as proof of purchase.

**AT TRQ, WE BELIEVE EVERY REPAIR SHOULD BE A SUCCESS STORY
- FROM PREMIUM PARTS TO EASY INSTALLATION.**



MEET OR EXCEED OEM STANDARDS

FOR ENHANCED PERFORMANCE AND MAXIMUM LONGEVITY



RIGOROUS IN-HOUSE TESTING

FOR SUPERIOR FIT AND FUNCTION



STEP-BY-STEP INSTALLATION VIDEOS

FOR EASY INSTALLATION



DEVELOPED BY AUTOMOTIVE EXPERTS

FOR PRODUCTS YOU CAN TRUST

Image 10.1: TRQ's commitment to quality and support.