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› TRQ Front Strut & Coil Spring Assembly Set Instruction Manual

TRQ SCA64820

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Brand: TRQ

Model: SCA64820

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your TRQ Front Strut & Coil Spring Assembly Set. This product is designed as a direct fit, OE replacement for specific Mercedes-Benz C-Class models, aiming to restore original ride comfort and performance.



Image: The TRQ Front Strut & Coil Spring Assembly Set, including two complete units, shown in its product packaging.

1.1 What's Included

- (1) Front Driver Side Strut & Spring Assembly
- (1) Front Passenger Side Strut & Spring Assembly

KIT PART DETAILS

Includes 2 total parts



1x Front Driver
Side Strut
& Spring
Assembly

1x Front
Passenger
Side Strut
& Spring
Assembly

Image: A visual representation detailing the two main components included in the set: one front driver side strut and spring assembly, and one front passenger side strut and spring assembly.

1.2 Product Features

- **Loaded Struts:** Pre-assembled application-specific design for ease of installation.
- **Application Specific Design:** No modifications necessary for compatible vehicles.
- **Matched Pair:** Engineered to provide improved comfort and extended service life when installed as a pair.
- **Restored Performance:** Designed to reduce body sway and vibration, enhancing ride quality.



REDUCED NOISE + VIBRATIONS

Enjoy a quieter ride when you replace worn out strut and spring assemblies 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 strut and spring assemblies to reduce excessive bouncing and extend the life of your tires.

Image: A graphic highlighting the key benefits of replacing worn struts and spring assemblies, including reduced noise and vibrations, increased stability, and even tire wear.

1.3 Vehicle Fitment

This strut and coil spring assembly set is compatible with the following Mercedes-Benz models. It is crucial to verify fitment for your specific vehicle before installation.

- 2002-07 Mercedes Benz C230 Front Driver & Passenger Side without Sport Suspension
- 2003-05 Mercedes Benz C240 Wagon Rear Wheel Drive Front Driver & Passenger Side without Self Leveling Suspension without Sport Suspension
- 2003-05 Mercedes Benz C240 Sedan Rear Wheel Drive Front Driver & Passenger Side without Sport Suspension
- 2006-07 Mercedes Benz C280 Rear Wheel Drive Front Driver & Passenger Side without Sport Suspension
- 2001-02 Mercedes Benz C240 Front Driver & Passenger Side without Sport Suspension
- 2003-04 Mercedes Benz C320 Sedan Rear Wheel Drive Front Driver & Passenger Side without Sport Suspension
- 2003-04 Mercedes Benz C320 Coupe Rear Wheel Drive Front Driver & Passenger Side without Sport Suspension
- 2002 Mercedes Benz C320 Sedan Front Driver & Passenger Side without Sport Suspension
- 2001 Mercedes Benz C320 Front Driver & Passenger Side without Sport Suspension
- 2005 Mercedes Benz C320 Rear Wheel Drive Front Driver & Passenger Side without Sport Suspension
- 2006-07 Mercedes Benz C350 Rear Wheel Drive Front Driver & Passenger Side without Sport Suspension



IMPORTANT



**VERIFY FITMENT
BEFORE PLACING YOUR ORDER.**

Complete fitment information
in the Product Description below.

Image: An important notice emphasizing the need to verify vehicle fitment before purchase and installation.

2. SETUP AND INSTALLATION

Installation of strut and coil spring assemblies requires specialized tools and automotive knowledge. It is highly recommended that installation be performed by a certified professional to ensure proper fitment, safety, and vehicle alignment.

TRQ fully loaded shocks and struts are manufactured using premium raw materials and calibrated to restore original ride comfort. They feature a pre-loaded bearing plate, upper and lower spring isolator, upper spring seat, coil spring, boot kit, and premium strut, simplifying the installation process compared to disassembling original components.



Image: A pair of TRQ Front Strut & Coil Spring Assemblies, ready for installation.

2.1 Key Installation Considerations

- **Replace in Pairs:** TRQ recommends replacing shocks or struts in pairs (both front driver and passenger sides) to ensure even wear of components and improved ride comfort and handling.
- **Vehicle Specific Fit:** These assemblies are designed for direct fitment without modifications. Ensure the correct part number for your vehicle's year, make, and model.
- **Alignment:** After replacing suspension components, a professional wheel alignment is crucial to prevent premature tire wear and ensure proper vehicle handling.
- **Hardware:** The kit includes necessary hardware for installation.



Image: Various bolts, nuts, and washers, representing the hardware included for installation of the strut assemblies.

2.2 Installation Resources

TRQ provides extensive video resources to assist with installation. While specific video links are not provided in this manual, you can find detailed step-by-step installation videos tailored to your exact make and model on the official TRQ website or their dedicated video channels. These resources feature certified industry experts demonstrating the process.

VIEW BEFORE YOU DO.™

**FREE STEP-BY-STEP
INSTALLATION
VIDEOS**, tailored
to your exact make
and model - featuring
certified industry
experts.



Image: A hand holding a smartphone, illustrating how TRQ's "View Before You Do" video resources can guide users through the installation process.

3. OPERATING CHARACTERISTICS

Once properly installed, the TRQ Front Strut & Coil Spring Assembly Set will significantly impact your vehicle's ride quality and handling. These components are integral to the suspension system, absorbing road shock and maintaining tire contact with the road surface.

3.1 Expected Performance Improvements

- **Enhanced Ride Comfort:** The new assemblies will absorb bumps and road imperfections more effectively, leading to a smoother and more comfortable ride.
- **Improved Stability:** Reduced body sway and vibration contribute to better vehicle stability, especially during turns and over uneven surfaces.
- **Precise Handling:** Restored suspension performance allows for more confident navigation and responsive steering.
- **Reduced Noise:** Worn struts often cause knocking or clunking noises; new assemblies should eliminate these sounds.

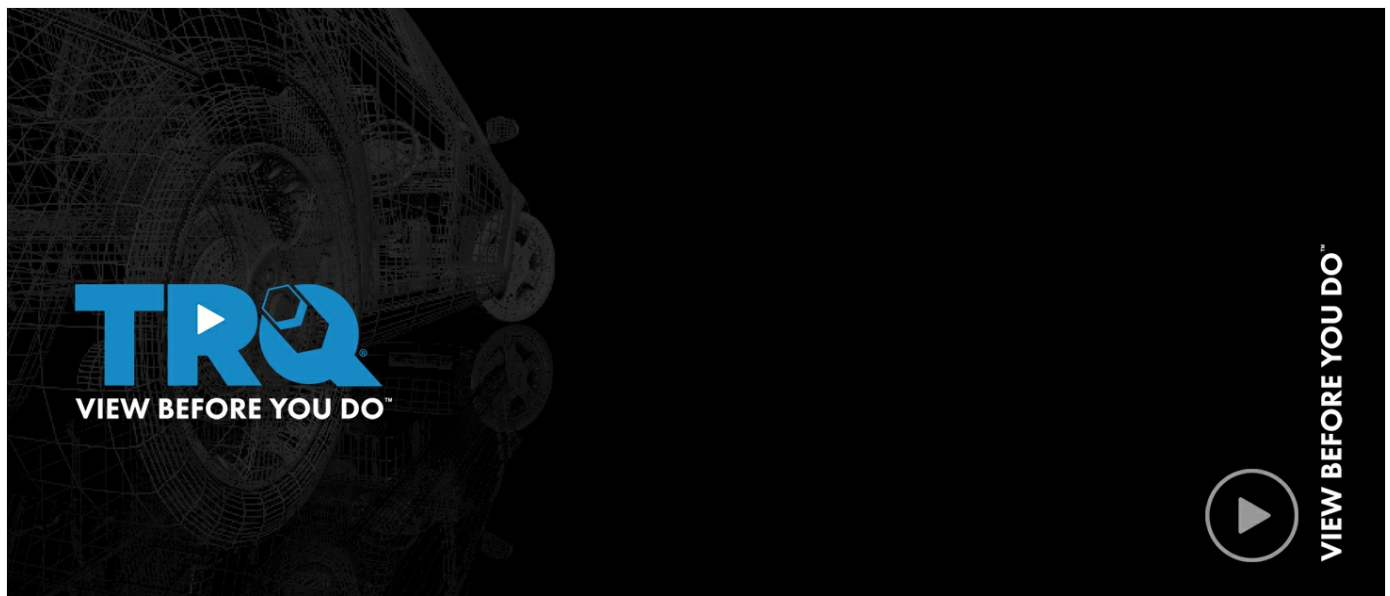


Image: A vehicle driving on a road, symbolizing the improved ride quality and stability provided by new suspension components.

4. MAINTENANCE

While TRQ strut and coil spring assemblies are designed for longevity, regular inspection and general vehicle maintenance are essential to ensure their continued performance and the overall health of your vehicle's suspension system.

4.1 Recommended Maintenance Practices

- **Regular Inspections:** Periodically inspect the struts for signs of fluid leaks, bent rods, or damaged boots. Check the coil springs for cracks or corrosion.
- **Tire Rotation and Balance:** Regular tire maintenance helps ensure even wear, which can be affected by suspension health.
- **Wheel Alignment Checks:** Have your vehicle's alignment checked annually or if you notice any changes in steering or tire wear patterns.
- **Avoid Overloading:** Do not exceed your vehicle's maximum load capacity, as this can put excessive strain on the suspension components.



DISCOVER THE TRQ DIFFERENCE.

Image: A collage of images depicting various aspects of vehicle maintenance, including brake and suspension system checks, emphasizing the importance of regular care.

5. TROUBLESHOOTING

If you experience issues with your vehicle's ride quality or handling after installing the TRQ Front Strut & Coil Spring Assembly Set, consider the following common troubleshooting steps. For complex issues, professional diagnosis is recommended.

5.1 Common Issues and Solutions

- **Clunking or Knocking Noises:**

- **Cause:** Loose mounting bolts, incorrect installation, or a defective component.
- **Solution:** Re-check all mounting points for proper torque. Ensure the strut is installed correctly (e.g., not upside down, as noted in some user experiences). If noises persist, professional inspection is advised.

- **Bouncy Ride or Poor Handling:**

- **Cause:** Incorrect installation, air in the strut (rare for pre-assembled units), or issues with other suspension components.
- **Solution:** Verify correct installation. Ensure proper wheel alignment has been performed. If the issue persists, consult a qualified mechanic.

- **Uneven Ride Height:**

- **Cause:** Incorrect part for the vehicle, or issues with other suspension components.
- **Solution:** Double-check that the correct TRQ model number (SCA64820) was installed for your specific vehicle and trim level.

All TRQ products are fit and road-tested in their Massachusetts R&D facility to ensure Trusted Reliable Quality. If you suspect a product defect, refer to the warranty information.

6. SPECIFICATIONS

Attribute	Detail
Brand	TRQ
Auto Part Position	Front
Style	SCA64820
Vehicle Service Type	Car
Exterior Finish	Machined
Automotive Fit Type	Vehicle Specific Fit
UPC	191213648209
Manufacturer	TRQ
Model	TRQ SCA64820 2 Piece Strut & Spring Assembly Set
Item Weight	53.3 pounds
Product Dimensions	10 x 28 x 9 inches
Item Model Number	SCA64820
Manufacturer Part Number	SCA64820
ASIN	B086S1GYBQ
Date First Available	April 5, 2020

7. WARRANTY AND SUPPORT

TRQ is committed to providing Trusted Reliable Quality products. While specific warranty terms are not detailed in this manual, TRQ products are designed and tested to meet or exceed OEM standards for enhanced performance and maximum longevity.

7.1 Obtaining Warranty Information

For detailed warranty terms and conditions, please refer to the official TRQ website or contact TRQ customer support directly. It is advisable to retain your proof of purchase for any warranty claims.

7.2 Customer Support

For further assistance, technical questions, or support regarding your TRQ product, please visit the official TRQ store or contact their customer service department. You can find contact information and additional resources on their website:

[Visit the TRQ Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question