



Manuals.plus /

› TRQ /

› TRQ Front Suspension Steering Knuckle Pair Installation and Maintenance Manual

TRQ PSA66541

TRQ Front Suspension Steering Knuckle Pair Installation and Maintenance Manual

Model: PSA66541

[Product Overview](#) [Safety Information](#) [Package](#)
[Contents](#) [Compatibility](#) [Installation](#) [Maintenance](#) [Specifications](#) [Support](#)

1. PRODUCT OVERVIEW

The TRQ Front Suspension Steering Knuckle Pair (Model PSA66541) is designed as a direct-fit, OE replacement component for specific vehicle models. This kit includes both the front driver side and front passenger side steering knuckles, essential for the proper functioning of your vehicle's suspension and steering system. These components are manufactured to meet or exceed original equipment specifications, ensuring reliable performance and durability.



Image 1.1: The TRQ Front Suspension Steering Knuckle Pair, showing both the left-hand and right-hand components.

2. SAFETY INFORMATION

Warning: Automotive repair can be dangerous. Always exercise caution and follow proper safety procedures. Failure to do so may result in serious injury or death.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and closed-toe shoes.
- Ensure the vehicle is securely supported on jack stands on a level surface before beginning any work. Never rely solely on a jack.
- Disconnect the vehicle's battery before working on electrical components.
- Refer to your vehicle's specific service manual for detailed instructions and torque specifications.
- If you are unsure about any step, consult a qualified automotive technician.
- Keep children and pets away from the work area.

3. PACKAGE CONTENTS

The TRQ Front Suspension Steering Knuckle Pair package includes the following components:

- 1x Front Driver Side Steering Knuckle
- 1x Front Passenger Side Steering Knuckle

KIT PART DETAILS

Includes 2 total parts



1x Front
Driver Side
Steering
Knuckle

1x Front
Passenger
Side
Steering
Knuckle

Image 3.1: Visual representation of the kit contents, including one front driver side and one front passenger side steering knuckle.

4. COMPATIBILITY (FITMENT)

This TRQ Steering Knuckle Pair (Model PSA66541) is compatible with the following vehicle models. It is crucial to verify fitment for your specific vehicle year, make, and model before installation.

- 2008-2013 Chevrolet Silverado 1500 (Front Driver & Passenger Side)
- 2007-2014 Chevrolet Tahoe (Front Driver & Passenger Side)
- 2008-2013 GMC Sierra 1500 (Front Driver & Passenger Side)
- 2007-2014 Chevrolet Suburban 1500 (Front Driver & Passenger Side)
- 2007-2014 GMC Yukon (Front Driver & Passenger Side)
- 2007 Chevrolet Silverado 1500 (Front Driver & Passenger Side)
- 2007-2013 Chevrolet Avalanche (Front Driver & Passenger Side)
- 2007-2014 GMC Yukon XL 1500 (Front Driver & Passenger Side)
- 2007-2014 Cadillac Escalade (Front Driver & Passenger Side)

- 2007 GMC Sierra 1500 (Front Driver & Passenger Side)
- 2007-2014 Cadillac Escalade ESV (Front Driver & Passenger Side)
- 2007-2013 Cadillac Escalade EXT (Front Driver & Passenger Side)

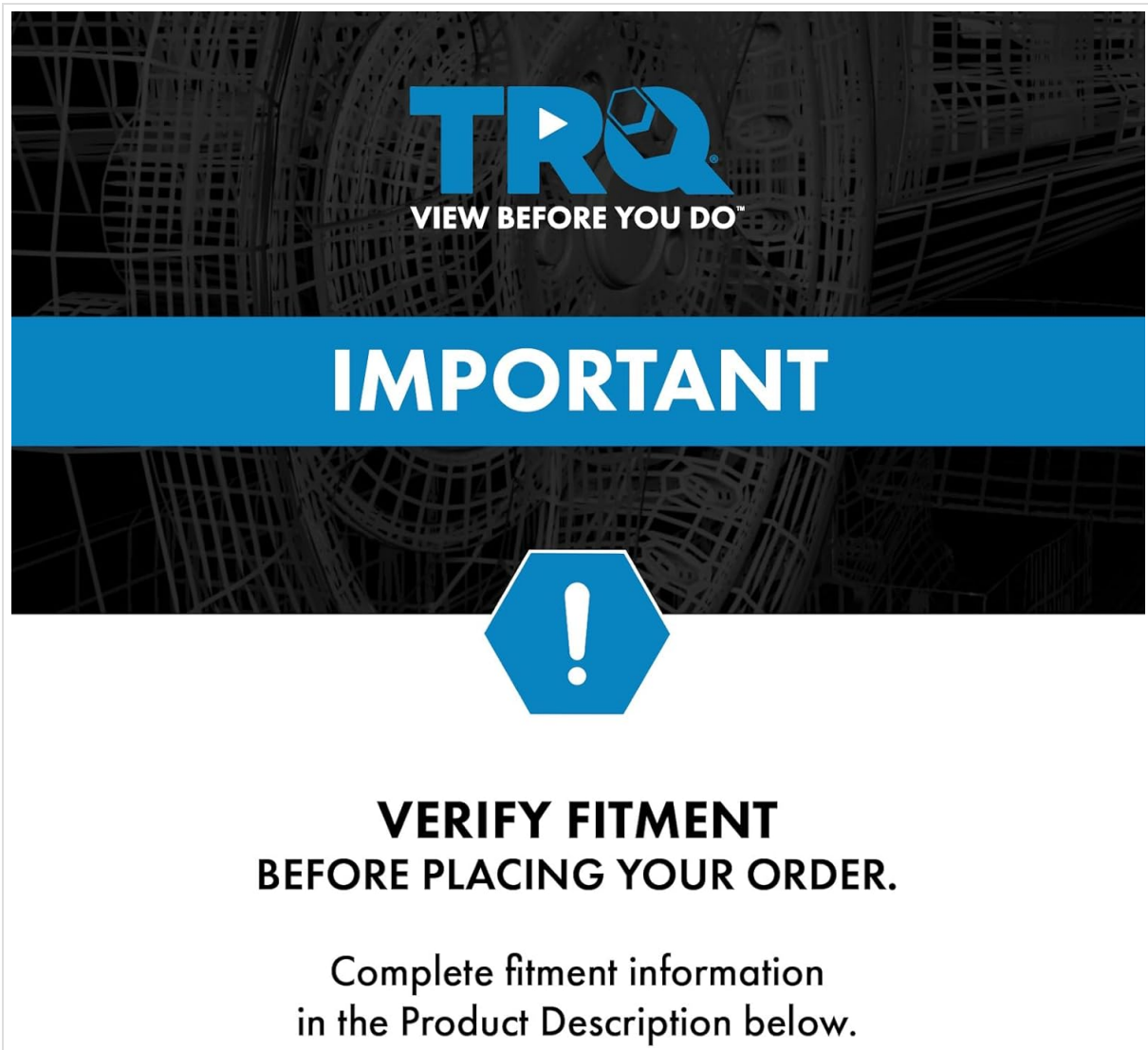


Image 4.1: Reminder to verify product fitment with your vehicle before proceeding with installation.

5. INSTALLATION (SETUP)

Installation of steering knuckles requires specialized tools and automotive knowledge. It is highly recommended that this procedure be performed by a certified professional technician or an experienced individual with a comprehensive understanding of vehicle suspension systems.

5.1 General Installation Guidelines

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and block the rear wheels. Loosen the lug nuts on the front wheels.
2. **Lifting the Vehicle:** Safely lift the front of the vehicle using a hydraulic jack and support it securely with jack stands. Remove the front wheels.
3. **Disassembly:** Carefully disconnect components attached to the existing steering knuckle, such as the brake caliper, rotor, ABS sensor, tie rod end, upper and lower ball joints, and axle nut (if applicable). Refer to your vehicle's service manual for exact procedures and fastener locations.
4. **Remove Old Knuckle:** Once all attached components are disconnected, remove the old steering knuckle from the vehicle.

5. **Install New Knuckle:** Position the new TRQ steering knuckle and reattach all components in reverse order of removal. Ensure all fasteners are torqued to the manufacturer's specifications.
6. **Reassembly:** Reinstall the brake caliper, rotor, and wheel. Lower the vehicle safely.
7. **Post-Installation:** It is highly recommended to have a professional wheel alignment performed after replacing steering knuckles to ensure proper vehicle handling and tire wear.

TRQ provides detailed installation videos for many of its products. While specific videos for this exact part may vary, general suspension component installation videos can offer valuable visual guidance. Always prioritize your vehicle's specific service manual.



INSTALLATION VIDEO INCLUDED

1 BILLION VIEWS

EXCLUSIVE ACCESS
OUR EXPERT MECHANICS PROVIDE **STEP-BY-STEP INSTRUCTIONS**, PERSONALIZED TO **YOUR VEHICLE.**

Image 5.1: TRQ emphasizes the availability of installation videos to assist with the process. Consult your vehicle's service manual for precise steps.

6. MAINTENANCE

Proper maintenance of your vehicle's suspension components, including steering knuckles, is crucial for safety and longevity. While steering knuckles themselves typically require minimal maintenance, regular inspection of surrounding components is vital.

- **Regular Inspection:** Periodically inspect the steering knuckles and surrounding suspension components (ball joints, tie rod ends, wheel bearings) for signs of wear, damage, or corrosion. Look for cracks, bends, loose fasteners, or excessive play.
- **Cleanliness:** Keep the area around the steering knuckles free from excessive dirt, debris, and

corrosive materials.

- **Alignment:** Ensure your vehicle's wheel alignment is checked and adjusted regularly, especially after replacing suspension components or if you notice uneven tire wear or steering issues.
- **Professional Check-ups:** Have your vehicle's suspension system professionally inspected during routine service appointments.

7. TROUBLESHOOTING

If you experience issues after installing the TRQ Steering Knuckle Pair, consider the following common troubleshooting steps. Always prioritize safety and consult a professional if you are unsure.

- **Noise or Clunking:**
 - Check all fasteners for proper torque. Loose bolts can cause noise.
 - Inspect ball joints, tie rod ends, and control arm bushings for wear or improper installation.
- **Uneven Tire Wear or Poor Handling:**
 - A professional wheel alignment is critical after steering knuckle replacement. This is the most common cause of these symptoms.
 - Verify that all suspension components are correctly installed and not binding.
- **Brake Issues (e.g., pulling, uneven braking):**
 - Ensure brake calipers are properly mounted and brake lines are not kinked or damaged.
 - Bleed the brake system if air was introduced during the process.
- **ABS/Sensor Lights:**
 - Verify that the ABS sensor and its wiring are correctly reconnected and not damaged.

If troubleshooting does not resolve the issue, seek assistance from a qualified automotive technician.

8. SPECIFICATIONS

Attribute	Detail
Brand	TRQ
Model Number	PSA66541
Item Weight	37.6 pounds (for the pair)
Product Dimensions	12 x 21 x 9 inches (packaging dimensions)
Exterior Finish	Machined
Quantity	2 Piece (Front Driver Side & Front Passenger Side)
OE Reference Numbers	15942236, 15942237, 22912208, 22912209
Aftermarket Reference Numbers	698070, 698071

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your TRQ Front Suspension Steering Knuckle Pair, please refer to the official TRQ website or contact TRQ customer service directly. Keep your purchase receipt and product model number (PSA66541) handy when contacting support. You can often find additional resources and contact information by visiting the TRQ Store on Amazon.