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CTR CB0371

CTR CB0371 Front Upper Ball Joint Instruction Manual

Brand: CTR | Model: CB0371

1. PRODUCT OVERVIEW

The CTR CB0371 Front Upper Ball Joint is a high-quality, OE supplier replacement part designed for the front upper suspension system of compatible TOYOTA vehicles. It functions as a spherical bearing, connecting the steering knuckle to the control arm, allowing for dynamic and flexible movement of the vehicle's suspension system. This design helps to absorb impacts and ensure a smooth ride.

What's in the Box:

- 1 x CTR CB0371 Front Upper Ball Joint
- Mounting Hardware (Bolts and Nuts)



Image 1.1: CTR CB0371 Front Upper Ball Joint and accompanying hardware.



Image 1.2: The ball joint and hardware shown with its product packaging.

Key Features:

- **High Hardness-Ball Stud:** Engineered for durability and strength.
- **Highly Durable Rubber Boot:** Protects internal components from contaminants and wear.
- **Long-lasting Surface Treatment:** Provides corrosion resistance and extended lifespan.
- **High Torque Retention Polymer Ball Seat:** Ensures stable performance with low friction and consistent torque.
- **Complete Sealing with Non-Refill Special Grease:** Designed for maintenance-free operation, eliminating the need for periodic regreasing.

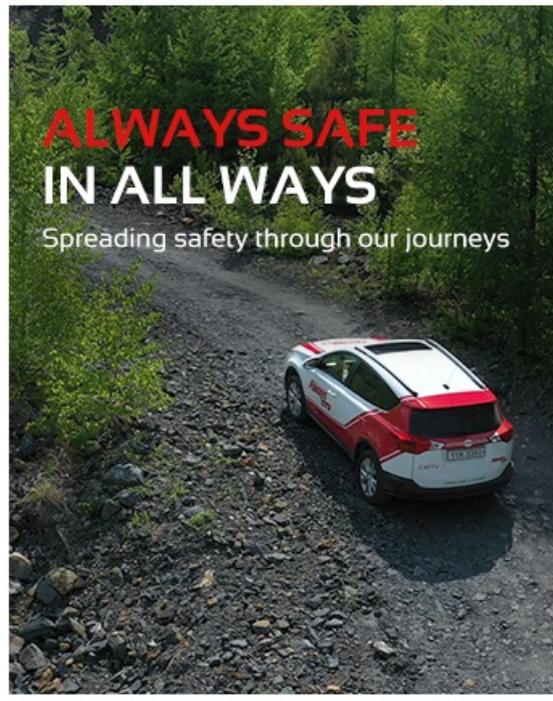


Image 1.3: Illustration of the high hardness ball stud manufacturing process.

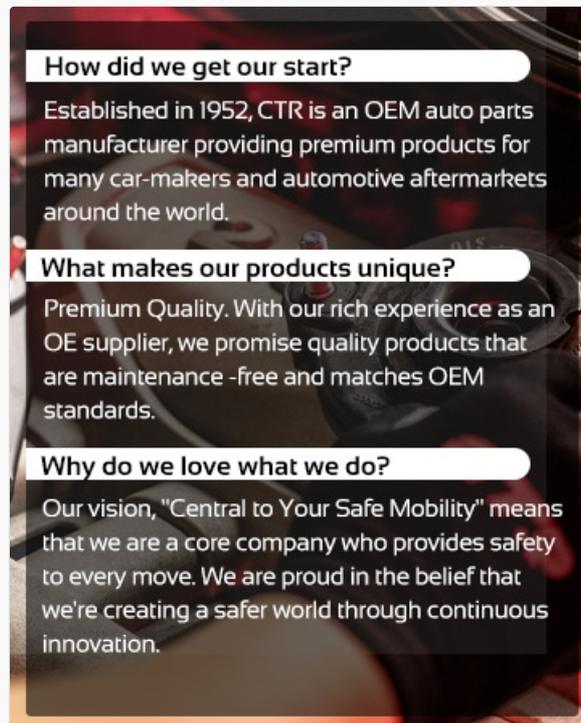


Image 1.4: Detailed view of the durable rubber boot and its design.

2. VEHICLE COMPATIBILITY

The CTR CB0371 Front Upper Ball Joint is compatible with various TOYOTA and Volkswagen models. Please verify your vehicle's specific part number before purchasing to ensure proper fitment.

Compatible Models (US Region):

- Toyota Hilux: 2004-2005
- Toyota Pickup: 1984-1995
- Toyota T100: 1993-1998

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CB0371

NORTH
AMERICA

APPLICATIONS

TOYOTA Hilux 2004-05

Pickup 1984-95

T100 1993-98



Image 2.1: North American vehicle compatibility chart.

Compatible Models (European Region):

- Toyota Hilux Ln51/Ln60: 1984-1988
- Toyota Hilux Ln85/Ln90: 1988-1997
- Toyota Hilux Yn85/Yn90: 1988-1997
- Toyota Hilux Ln90: 1995-1997
- Toyota Hilux Ln110/Ln85/Ln90: 1988-1991
- Hilux Mighty X Ln85: 1991-1997
- Volkswagen Taro 7Ae/7Ax: 1989-1994
- Volkswagen Taro 7Ae/7Ag/7Ax: 1989-1997

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EUROPE

APPLICATIONS

TOYOTA Hilux LN51/LN60 1984-88
LN85/LN90 1988-97
YN85/YN90 1988-97
LN90 1995-97
LN110/LN85/LN90 1988-91
Hilux Mighty X LN85 1991-97
VOLKSWAGEN Taro 7AE/7AX 1989-94
7AE/7AG/7AX 1989-97



Image 2.2: European vehicle compatibility chart.

Replaces OEM Part Numbers:

- 43350-39035
- 43350-39075
- 43350-39115
- K9343
- 23247
- 1642603
- 1571702

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CB0371

PART NUMBERS

43350-39035
43350-39075
43350-39115
K9343
23247
1642603
1571702
16426 03
15717 02



Image 2.3: List of compatible OEM and aftermarket part numbers.

3. INSTALLATION GUIDE

This section provides a general guide for the installation of the CTR CB0371 Front Upper Ball Joint. Professional installation is recommended. Always refer to your vehicle's specific service manual for detailed instructions and torque specifications.

Installation Video:

Your browser does not support the video tag.

Video 3.1: Official CTR Ball Joint Installation Guide. This video demonstrates the disassembly of an old ball joint and the assembly of a new one, highlighting key steps and tools.

General Installation Steps:

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and use wheel chocks. Lift the vehicle using a jack and secure it with jack stands. Remove the wheel.
2. **Disassembly:**

- Loosen the control arm bushing fixing bolt.
- Loosen the fixing bolt connecting the knuckle and the ball joint.
- Remove the control arm. If the ball joint is stuck and cannot be separated, use a puller tool.
- Loosen the fixing bolt that connects the control arm and the ball joint to remove the old ball joint.

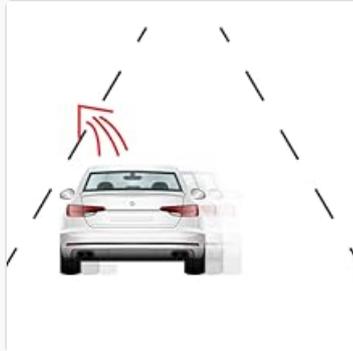


Image 3.1: A mechanic performing suspension work, illustrating the environment for ball joint replacement.

3. **Comparison:** Compare the old ball joint with the new CTR ball joint. Note the stable torque and smooth movement of the new part, and the completely sealed design.

4. **Assembly:**

- Attach the new CTR ball joint to the control arm, ensuring proper alignment.
- Reinstall the control arm and connect the ball joint to the knuckle. Use a soft-faced hammer only if necessary to seat the ball joint; an iron hammer can damage the product.
- Tighten all bolts to the manufacturer's prescribed torque specifications. The last tightening must be done with the prescribed torque.

5. **Final Steps:** Reinstall the wheel, lower the vehicle, and perform a test drive to ensure proper function and alignment.

4. TROUBLESHOOTING: IDENTIFYING A FAILING BALL JOINT

Ball joints are critical components of your vehicle's suspension system. Over time, they can wear out, leading to various symptoms that indicate a need for replacement. Addressing these issues promptly is crucial for vehicle safety and performance.

Common Symptoms of a Failing Ball Joint:

- **Loose-fitting Wheels:** If wheels can be shaken up and down easily, it may indicate a loose ball joint.
- **Creaking Noise & Vibration While Driving:** Worn ball joints can cause audible creaking or clunking sounds, especially over bumps or when turning, accompanied by vibrations felt through the steering wheel.
- **Decreased Straightness:** The vehicle may pull to one side or feel unstable, making it difficult to maintain a straight path.
- **Uneven Tire Wear:** Excessive wear on the inner or outer edges of the tires can be a sign of a worn ball joint affecting wheel alignment.



Image 4.1: A vehicle's suspension system, highlighting the role of the ball joint in allowing wheel movement.



Image 4.2: Example of uneven tire wear, a common symptom of a worn ball joint.

5. SPECIFICATIONS

Attribute	Value
Manufacturer	CTR
Brand	CTR
Model	Suspension Ball Joint

Attribute	Value
Item Weight	1.72 pounds
Package Dimensions	4.13 x 3.66 x 3.66 inches
Country of Origin	Korea, Republic of
Item Model Number	CB0371
Exterior	Machined
Manufacturer Part Number	CB0371
OEM Part Numbers	43350-39035, 43350-39075, 43350-39115
ASIN	B09TR1YNRY
Date First Available	July 6, 2021

6. SAFETY WARNINGS

WARNING: This product can expose you to chemicals including carbon black, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when handling and installing automotive parts. Ensure the vehicle is properly supported and secured before beginning any work. If you are unsure about any installation steps, consult a qualified mechanic.

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For technical support or inquiries, please visit the official CTR website or contact your local distributor.