**Saved from manuals.plus.**
**Open the live page for links to other documents and user manuals.**



## Mevotech GS801114

# Mevotech Original Grade Control Arm and Ball Joint Assembly GS801114 User Manual

Model: GS801114

## 1. Introduction

This manual provides essential information for the proper installation, function, and maintenance of your Mevotech Original Grade Control Arm and Ball Joint Assembly, model GS801114. Adherence to these instructions will help ensure optimal performance and longevity of the component.

## 2. Product Overview

The Mevotech Original Grade Control Arm and Ball Joint Assembly GS801114 is engineered to meet or exceed original equipment (OE) specifications for fit, form, and function. It is designed for specific automotive suspension applications, providing a critical link between the vehicle's frame and the steering knuckle.



Figure 2.1: Mevotech Original Grade Control Arm and Ball Joint Assembly GS801114.

## Key Features:

- **Optimal Performance:** Designed to meet or exceed OE specifications with stamped steel construction.
- **High Quality Materials:** Utilizes high-quality materials on all components for OE performance and extended life.
- **Corrosion Resistance:** Features a protective surface treatment to prevent rust buildup and increase longevity.
- **Faster Installation:** Includes pre-assembled parts for quick and easy installation.
- **Consistent Performance:** Subjected to rigorous quality control protocols to ensure reliable part performance.




Figure 2.2: Illustration of Mevotech control arm design principles, emphasizing OE specification adherence.




Figure 2.3: Detailed view of the control arm highlighting key components and features such as additional hardware, locking nut, protective coating, and pre-assembled parts.

## 3. Safety Information

Automotive repair can be hazardous. Always prioritize safety to prevent injury or damage to the vehicle. This component is part of the vehicle's suspension and steering system, which are critical for safe operation.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work. Never rely solely on a jack.
- Disconnect the vehicle's battery before working on electrical components, if applicable.
- Refer to the vehicle manufacturer's service manual for specific torque specifications and procedures.
- If you are not confident in your ability to perform the installation, seek assistance from a qualified automotive technician.
- Keep children and pets away from the work area.

## 4. Setup and Installation

The Mevotech GS801114 control arm and ball joint assembly is designed for direct replacement. While pre-assembled for convenience, proper installation requires specific tools and knowledge of automotive suspension systems. It is recommended that installation be performed by a certified mechanic or an individual with extensive automotive repair experience.

### General Installation Steps (Consult Vehicle Service Manual for Specifics):

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Raise the vehicle and support it securely with jack stands. Remove the wheel.
2. **Disassembly:** Loosen and remove the fasteners securing the old control arm to the vehicle frame and the steering knuckle. This typically involves separating the ball joint from the knuckle and detaching the control arm bushings from their mounts. Special tools, such as a ball joint separator or pickle fork, may be required.
3. **Removal:** Carefully remove the old control arm assembly from the vehicle.
4. **Inspection:** Inspect surrounding components (e.g., bushings, tie rods, sway bar links) for wear or damage and replace as necessary.
5. **Installation of New Assembly:** Position the new Mevotech GS801114 control arm and ball joint assembly into place. Secure the control arm bushings to their mounts, but do not fully tighten the bolts until the vehicle is at ride height (or as specified by the vehicle manufacturer).
6. **Ball Joint Connection:** Connect the new ball joint to the steering knuckle. Ensure the tapered stud is properly seated and secure it with the provided locking nut. Torque to vehicle manufacturer specifications.
7. **Final Tightening:** Once the vehicle is at ride height (or as specified), fully tighten all control arm mounting bolts to the vehicle manufacturer's specified torque values.
8. **Reassembly:** Reinstall the wheel and lower the vehicle.
9. **Alignment:** After replacing any suspension component, a professional wheel alignment is highly recommended to ensure proper vehicle handling and tire wear.

**Note:** The assembly includes additional hardware and a locking nut designed to keep fasteners secure and vibration resistant, improving holding strength. Always use new hardware provided or specified by the manufacturer.

## 5. Operating Principles

A control arm is a fundamental component of a vehicle's suspension system. Its primary function is to connect the wheel hub or steering knuckle to the vehicle's chassis, allowing for vertical movement of the wheel while maintaining proper alignment and stability. The integrated ball joint facilitates steering by allowing the steering knuckle to pivot.
The Mevotech GS801114 ensures precise control over wheel movement, contributing to:

- **Steering Responsiveness:** Direct connection to the steering knuckle for accurate steering input.
- **Ride Comfort:** Allows the suspension to absorb road imperfections effectively.
- **Tire Contact:** Maintains optimal tire contact with the road surface for traction and braking.
- **Vehicle Stability:** Helps control body roll and maintain vehicle composure during turns and over uneven terrain.

## 6. Maintenance

Regular inspection of suspension components is crucial for vehicle safety and performance. While the Mevotech GS801114 is designed for durability, periodic checks can identify potential issues before they become severe.

### Recommended Maintenance Checks:

- **Visual Inspection:** During routine oil changes or tire rotations, visually inspect the control arm, ball joint boot, and bushings for signs of wear, cracks, tears, or corrosion.

- **Play Check:** With the vehicle safely lifted, check for excessive play in the ball joint by attempting to move the wheel vertically and horizontally while observing the ball joint. Any noticeable movement indicates wear.
- **Fastener Torque:** Periodically check that all mounting bolts are tightened to the manufacturer's specifications.
- **Cleaning:** Keep the components free from excessive dirt, salt, and debris, especially if driving in harsh conditions. The protective surface treatment helps resist corrosion, but regular cleaning can extend its effectiveness.

If any signs of significant wear or damage are observed, consult a qualified technician for further inspection and potential replacement.

## 7. Troubleshooting

Issues with control arms or ball joints often manifest as specific symptoms. If you experience any of the following, it may indicate a problem with your suspension components, including the control arm assembly:

- **Clunking or Popping Noises:** Especially when going over bumps, turning, or braking, this can indicate a worn ball joint or loose control arm bushings.
- **Excessive Play in Steering:** A loose or worn ball joint can lead to imprecise steering and a feeling of looseness in the steering wheel.
- **Uneven Tire Wear:** Worn suspension components can cause misalignment, leading to premature and uneven tire wear.
- **Vehicle Pulling to One Side:** While many factors can cause this, a damaged control arm or bushing can contribute to a vehicle pulling.
- **Vibrations:** Vibrations felt through the steering wheel or floorboards can sometimes be attributed to worn suspension parts.

If you experience any of these symptoms, it is crucial to have your vehicle inspected by a qualified technician immediately to diagnose the issue and ensure safe operation.

## 8. Specifications

| Attribute | Detail |
|---|---|
| **Brand** | Mevotech |
| **Model Number** | GS801114 |
| **Item Weight** | 8.6 pounds |
| **Package Dimensions** | 21 x 17 x 4.5 inches |
| **Exterior Finish** | Machined |
| **Position** | Front Left |
| **Construction** | Stamped Steel (as per feature bullets) |
| **Included Components** | Control Arm and Ball Joint Assembly, additional hardware (locking nut) |

## 9. Warranty and Support

Mevotech products are manufactured to high standards and typically come with a manufacturer's warranty. For specific warranty details, including coverage period and terms, please refer to the documentation included with your purchase or visit the official Mevotech website.
For technical assistance, installation questions, or warranty claims, please contact Mevotech customer support directly. Contact information can usually be found on the product packaging or the Mevotech official website.

© 2023 Mevotech. All rights reserved. This manual is for informational purposes only.

## 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

---

**Open the live page**

**https://manuals.plus/asin/B0946WLSV8**

More documents and user manuals: **https://manuals.plus/**