



[Manuals.plus](#) /

> [Honda](#) /

> [Honda 51210-V09-A01 Knuckle L. User Manual](#)

## Honda 51210-V09-A01

# Honda 51210-V09-A01 Knuckle L. User Manual

Model: 51210-V09-A01

[Introduction](#)

[Setup & Installation](#)

[Function](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty &](#)

[Support](#)

## 1. INTRODUCTION

This manual provides essential information for the proper installation, function, maintenance, and troubleshooting of the Honda 51210-V09-A01 Knuckle L. This component is a genuine Honda replacement part designed for specific automotive applications. Please read this manual thoroughly before attempting any installation or service.

# HONDA

GENUINE PARTS  
Honda Motor Co., Ltd.

## ***ORIGINAL HONDA PART***

Made By Honda for Honda



**MADE IN JAPAN**

**Image 1.1:** The Honda 51210-V09-A01 Knuckle L. This image displays the automotive knuckle component, which is a critical part of a vehicle's suspension and steering system. It is typically made of metal and features various mounting points for other suspension components.

## **2. SETUP & INSTALLATION**

The Honda 51210-V09-A01 Knuckle L. is a critical safety component. Improper installation can lead to severe vehicle malfunction and injury. **Professional installation by a certified automotive technician is strongly recommended.**

### **2.1. Pre-Installation Checks**

- Ensure the vehicle is safely supported on jack stands or a lift.
- Verify that the replacement part matches the original part being removed.
- Inspect all associated components (ball joints, tie rod ends, wheel bearings, brake calipers, etc.) for wear or damage. Replace as necessary.
- Gather all necessary tools, including torque wrenches, sockets, and specialized automotive tools.

### **2.2. Installation Procedure (General Guidelines)**

1. Remove the wheel and tire assembly.
2. Carefully disconnect the brake caliper, rotor, and dust shield. Support the caliper to prevent damage to the brake hose.
3. Disconnect the tie rod end, upper and lower ball joints, and the axle shaft (if applicable) from the old knuckle.
4. Remove the old knuckle.
5. Position the new Honda 51210-V09-A01 Knuckle L. and reattach all components, ensuring proper alignment.
6. Tighten all fasteners to the manufacturer's specified torque values. Refer to your vehicle's service

manual for exact specifications.

7. Reinstall the brake components, wheel, and tire.
8. After installation, a wheel alignment is highly recommended to ensure proper vehicle handling and tire wear.

### 3. FUNCTION

---

The knuckle, also known as the steering knuckle or upright, is a crucial component in a vehicle's suspension and steering system. The Honda 51210-V09-A01 Knuckle L. serves the following primary functions:

- **Wheel Mounting:** It provides the mounting point for the wheel hub and bearing assembly, which in turn supports the wheel and tire.
- **Suspension Linkage:** It connects the wheel assembly to the vehicle's suspension components, such as the control arms and strut/shock absorber.
- **Steering Pivot:** It acts as a pivot point for the steering system, allowing the wheel to turn in response to steering input from the tie rod.
- **Brake System Integration:** It provides mounting points for the brake caliper and rotor, integrating the braking system with the wheel assembly.

A properly functioning knuckle is essential for safe and stable vehicle operation, influencing steering response, ride comfort, and braking performance.

### 4. MAINTENANCE

---

While the knuckle itself is a robust component, regular inspection of associated parts is vital for its longevity and overall vehicle safety.

#### 4.1. Inspection Schedule

- During routine tire rotations or oil changes, visually inspect the knuckle and surrounding components for signs of damage, corrosion, or wear.
- Pay close attention to ball joint boots, tie rod end boots, and wheel bearing play.
- Check for any cracks, bends, or deformities on the knuckle itself.

#### 4.2. Cleaning

Keep the area around the knuckle clean from excessive dirt, mud, and road salt, which can accelerate corrosion of fasteners and other components. Use a mild degreaser and water if necessary, ensuring to rinse thoroughly.

#### 4.3. Professional Checks

Have your vehicle's suspension and steering system professionally inspected at least once a year, or immediately if you notice any unusual noises, vibrations, or changes in steering feel.

### 5. TROUBLESHOOTING

---

Issues related to the knuckle are often symptoms of problems with connected components. If you experience any of the following, consult a qualified technician:

- **Unusual Noises:** Clunking, creaking, or grinding sounds from the wheel area, especially over bumps

or during turns, could indicate worn ball joints, wheel bearings, or other suspension components attached to the knuckle.

- **Excessive Play in Wheel:** If the wheel has noticeable play when rocked side-to-side or top-to-bottom, it may point to a worn wheel bearing or loose ball joints.
- **Uneven Tire Wear:** Can be a symptom of alignment issues, which can be exacerbated by worn suspension components or a bent knuckle.
- **Steering Problems:** Loose steering, difficulty steering, or the vehicle pulling to one side can be related to issues with the tie rod end or other steering components connected to the knuckle.
- **Vibrations:** Vibrations felt through the steering wheel or floorboard can sometimes be traced back to wheel bearing issues or bent components.

*Note:* A bent or cracked knuckle is a serious safety hazard and requires immediate replacement. Such damage typically occurs due to severe impact (e.g., hitting a curb or pothole).

## 6. SPECIFICATIONS

Attribute	Detail
<b>Manufacturer</b>	Honda
<b>Brand</b>	Honda
<b>Model Number</b>	51210-V09-A01
<b>Manufacturer Part Number</b>	51210-V09-A01
<b>Item Weight</b>	4 ounces
<b>Product Dimensions</b>	1 x 1 x 1 inches
<b>ASIN</b>	B00AJTY7DS
<b>Date First Available</b>	December 6, 2012

## 7. WARRANTY & SUPPORT

This Honda genuine part is typically covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary. Please retain your proof of purchase.

### 7.1. Warranty Claims

For warranty claims or detailed warranty information, please contact your authorized Honda dealer or the point of purchase. You may be required to provide the part number and purchase date.

### 7.2. Technical Support

For technical assistance or questions regarding the application of this part, please consult an authorized Honda service center or a qualified automotive technician. They can provide expert advice and ensure correct installation and diagnosis.

*Note:* Always refer to your vehicle's specific service manual for detailed instructions and torque specifications relevant to your model.

