

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [MOOG](#) /
- › [MOOG EV801491 Steering Tie Rod End User Manual](#)

## MOOG EV801491

# MOOG EV801491 Steering Tie Rod End User Manual

**Model:** EV801491

**Brand:** MOOG

Backed by superior materials and rigorous testing, MOOG inner tie rod ends deliver reliable performance you can count on. MOOG problem-solving innovations ensure fast, hassle-free installation.

## PRODUCT OVERVIEW

The MOOG EV801491 Steering Tie Rod End is a critical component of your vehicle's steering system. It connects the steering rack to the steering knuckle, allowing the wheels to turn in response to steering wheel input. This inner tie rod end is designed for durability and precise fitment, ensuring optimal steering performance and vehicle control.



Figure 1: MOOG EV801491 Steering Tie Rod End, top view.



Figure 2: MOOG EV801491 Steering Tie Rod End, angled view.

## FEATURES AND BENEFITS

- **Compatibility:** Specifically designed to fit 2016-2019 Kia Sorento models, ensuring a precise and reliable fit.
- **Easy Installation:** Features wrench flats on the housing and stud, facilitating straightforward installation and alignment adjustments.
- **Rigorous Testing:** Undergoes comprehensive testing throughout its design and development processes by MOOG engineers, guaranteeing high quality and dependable performance.
- **Comprehensive Coverage:** Available for a wide range of foreign and domestic vehicle nameplates.

# EASY TO INSTALL

Wrench flats on housing and stud provide easy installation and alignment adjustment



Figure 3: Wrench flats on the tie rod end housing and stud simplify installation and alignment.

# RIGOROUS TESTING

Comprehensive testing throughout design and development processes by MOOG engineers for quality you can count on



Figure 4: MOOG tie rod ends are subjected to rigorous testing to ensure durability and performance.

## WHAT'S IN THE BOX

Your package should contain the following item:

- 1 x MOOG EV801491 Steering Tie Rod End

## INSTALLATION (SETUP)

Installation of steering components like the tie rod end requires specialized tools and knowledge. It is highly recommended that installation be performed by a qualified automotive technician to ensure proper fitment, safety,

and vehicle alignment.

## General Installation Guidelines:

1. **Safety First:** Ensure the vehicle is securely lifted and supported on jack stands. Disconnect the battery if necessary.
2. **Remove Old Component:** Carefully remove the old tie rod end, noting its position and any shims or spacers.
3. **Install New Component:** Install the new MOOG EV801491 tie rod end, ensuring all fasteners are torqued to manufacturer specifications. The wrench flats on the housing and stud aid in this process.
4. **Alignment:** After installation, a professional wheel alignment is crucial to ensure correct steering geometry and prevent premature tire wear.

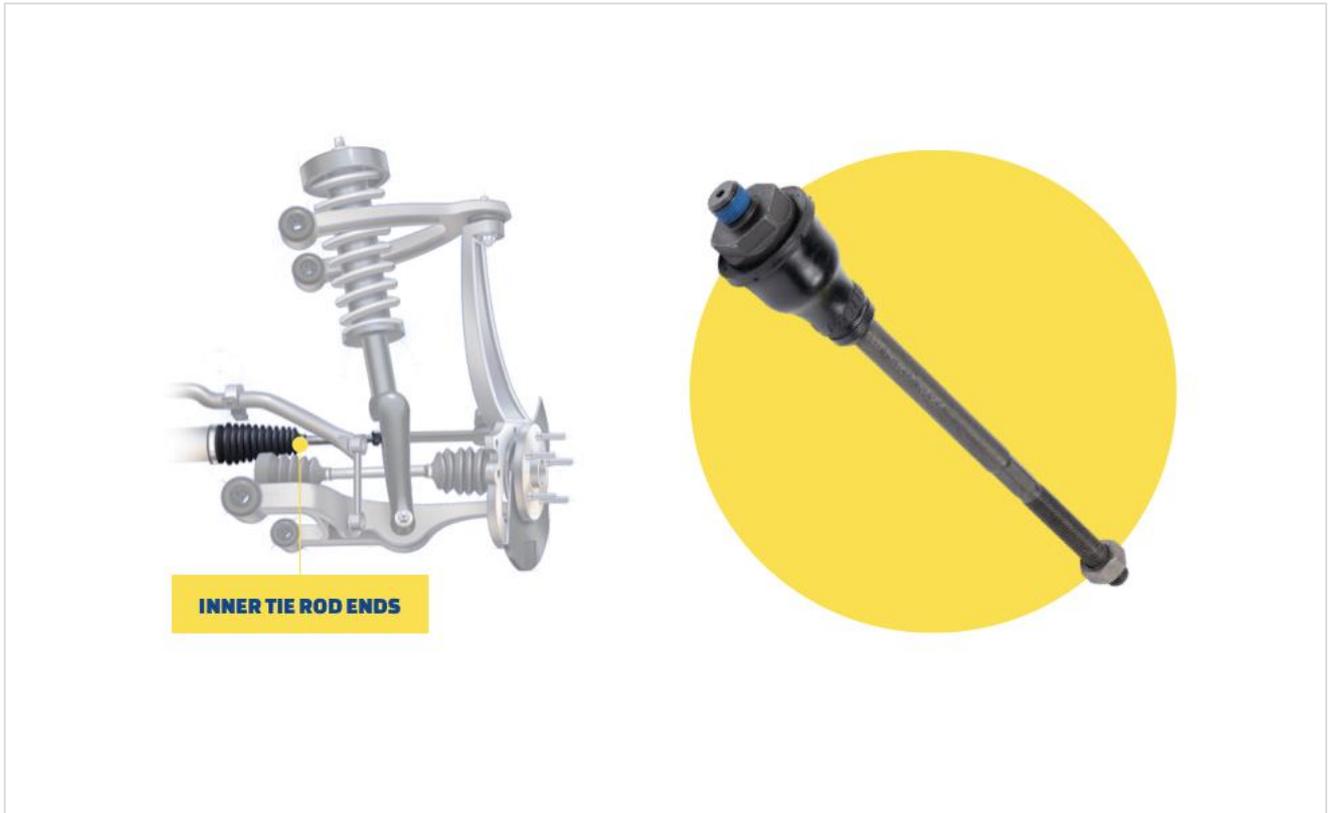


Figure 5: Location of inner tie rod ends within a vehicle's suspension system.

## MAINTENANCE

Regular inspection and maintenance of your vehicle's steering and suspension components are vital for safety and longevity. While MOOG tie rod ends are built for durability, periodic checks can help identify potential issues early.

- **Visual Inspection:** Periodically inspect the tie rod ends for any signs of damage, corrosion, or torn dust boots. A torn boot can lead to contamination and premature wear of the joint.
- **Check for Play:** With the vehicle safely lifted, check for any excessive play in the tie rod end by attempting to move the wheel side-to-side while holding the tie rod.
- **Professional Check-ups:** Include steering and suspension component checks as part of your routine vehicle maintenance schedule with a trusted mechanic.

## TROUBLESHOOTING COMMON ISSUES

Worn or damaged tie rod ends can manifest in several noticeable symptoms. If you experience any of the following, it is advisable to have your vehicle inspected by a qualified technician.

### Symptoms of Bad Tie Rod Ends:

- **Front-End Alignment Issues:** Worn tie rods can cause the front wheels to lose their proper alignment, leading to the vehicle pulling to one side or an off-center steering wheel.



Symptom 1

Symptom 1: Vehicle alignment problems.

- **Steering Wheel Play, Shake, or Vibration:** A loose tie rod can result in excessive play in the steering wheel, making it feel loose or unresponsive. You might also experience shaking or vibration in the steering wheel, especially at higher speeds.



Symptom 3

Symptom 2: Steering wheel instability.

- **Unusual Sounds While Turning:** You may hear knocking, clunking, or popping sounds, particularly when turning at low speeds. These sounds often indicate worn or loose components within the steering linkage.



Symptom 2

Symptom 3: Noise during turns.

- **Excessive Tire Edge Wear:** If your tires show uneven wear, especially on the inner or outer edges, it could be a sign of a misaligned front end caused by worn tie rod ends.



Symptom 4

Symptom 4: Uneven tire wear.

If you experience any of these symptoms, it is crucial to have your vehicle inspected by a professional mechanic for proper diagnosis and repair to ensure safe driving conditions.

## SPECIFICATIONS

Attribute	Detail
Manufacturer	MOOG Chassis Products
Brand	MOOG
Model	MOOG

Item Weight	1.1 pounds
Product Dimensions	14 x 2.25 x 2 inches
Item Model Number	EV801491
Exterior	Machined
Manufacturer Part Number	EV801491
ASIN	B08VKFJCW2
Date First Available	February 1, 2021

## WARRANTY AND SUPPORT

---

For detailed warranty information and customer support regarding your MOOG EV801491 Steering Tie Rod End, please refer to the official MOOG website or contact their customer service directly. Warranty terms and conditions may vary.

You can visit the official MOOG store for more information: [MOOG Store on Amazon](#)