

MOOG DS1235

MOOG DS1235 Front Suspension Track Bar for Jeep Wrangler: Installation and Maintenance Guide

This manual provides detailed instructions for the installation, operation, and maintenance of the MOOG DS1235 Front Suspension Track Bar, designed for Jeep Wrangler and other compatible vehicles.



1. INTRODUCTION

This guide is intended to assist vehicle owners and qualified technicians with the proper installation, operation, and maintenance of the MOOG DS1235 Front Suspension Track Bar. Adherence to these instructions will help ensure optimal performance and longevity of the component.

2. PRODUCT OVERVIEW

The MOOG DS1235 Front Suspension Track Bar is an automotive component designed to maintain the lateral position of the front axle relative to the vehicle frame. It is engineered to restore original steering and handling characteristics, offering a direct replacement fit for specified vehicles.

Key features include:

- Designed for straightforward installation.
- Restores original steering and handling performance.
- Engineered to match Original Equipment (OE) fit, form, and alignment geometry.
- Construction and design validated by MOOG engineers for reliability.
- Features a greaseable socket to prevent rust and wear by allowing fresh lubricant to flush out contaminants.



Figure 1: MOOG DS1235 Front Suspension Track Bar (Top View). This image displays the track bar with its integrated ball joint and bushing, along with the included castle nut, cotter pin, and grease fitting.



Figure 2: MOOG DS1235 Front Suspension Track Bar (Bottom View). This image shows another perspective of the track bar, highlighting the greaseable ball joint and the bushing end.

3. VEHICLE COMPATIBILITY

The MOOG DS1235 Front Suspension Track Bar is compatible with the following vehicle models:

- 1991-1994 Jeep Cherokee
- 1992-1996 Jeep Cherokee
- 1997-2001 Jeep Cherokee
- 1991-1992 Jeep Comanche
- 1993-1997 Jeep Grand Cherokee
- 1994-1998 Jeep Grand Cherokee
- 1993-1993 Jeep Grand Wagoneer
- 1997-2006 Jeep Wrangler
- 1997-2006 Jeep TJ

Important:

Before purchase and installation, verify compatibility using a vehicle fitment tool, such as the "Amazon Confirmed Fit" bar. Input all vehicle information (year, make, model, engine, and trim) to ensure correct fitment. Pay attention to any additional qualifier notes provided.

4. SAFETY INFORMATION

Working on vehicle suspension components requires caution. Always observe the following safety guidelines:

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- 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 if instructed by other repair procedures.
- Use the correct tools for each task.
- Refer to your vehicle's service manual for specific torque specifications and additional safety warnings.
- If you are unsure about any step, consult a qualified automotive technician.

5. INSTALLATION INSTRUCTIONS

The MOOG DS1235 track bar is designed for ease of installation. However, proper technique and tools are essential. This section provides general guidance; always refer to your vehicle's specific service manual for detailed steps and torque specifications.

5.1. Tools and Materials Required

- Vehicle jack and jack stands

- Wrench set (metric/standard as required)
- Torque wrench
- Pry bar or large screwdriver
- Pickle fork and hammer (may be needed for stubborn components)
- Grease gun with appropriate grease
- New Grade 8 bolt and nut for the axle end (recommended, as the original may strip)
- Cotter pin (supplied with track bar)

5.2. Removal of Old Track Bar

1. Park the vehicle on a level surface and engage the parking brake.
2. Loosen the lug nuts on the front wheels.
3. Raise the front of the vehicle and support it securely with jack stands under the frame. Allow the front axle to hang freely or support it slightly with a floor jack to relieve tension on the track bar.
4. Locate the front track bar. It connects the front axle to the vehicle frame.
5. Remove the cotter pin and castle nut from the ball joint stud at the frame end.
6. Use a pickle fork and hammer to separate the ball joint from its mounting point. This may require significant force.
7. Remove the bolt and nut securing the track bar to the axle bracket. Note the orientation of the bolt for reinstallation.
8. Carefully remove the old track bar from the vehicle.

5.3. Installation of New Track Bar

1. Position the new MOOG DS1235 track bar in place.
2. Align the bushing end with the axle bracket. Insert the new Grade 8 bolt and nut, but do not fully tighten yet. It may be necessary to use a floor jack to slightly raise or lower the axle to align the bolt holes.
3. Align the ball joint stud with the frame mounting point. It may be necessary to use a jack to apply upward pressure on the axle or to slightly shift the vehicle to align the stud.
4. Once aligned, install the castle nut onto the ball joint stud. Tighten to the manufacturer's specified torque.
5. Insert a new cotter pin through the castle nut and ball joint stud, bending the ends to secure it.
6. With the vehicle's weight on its wheels (or simulating this with a jack), tighten the axle end bolt and nut to the manufacturer's specified torque.
7. Grease the new track bar's zerk fitting using a grease gun until fresh grease purges from the boot.
8. Reinstall the front wheels and lower the vehicle.

5.4. Post-Installation Checks

- Perform a visual inspection to ensure all fasteners are tight and components are correctly installed.
- Check for proper steering wheel centering. If the steering wheel is off-center, an alignment or steering adjustment may be required.
- Test drive the vehicle in a safe area to confirm proper steering and handling.

6. OPERATION

After successful installation, the MOOG DS1235 track bar will restore the vehicle's intended steering and handling characteristics. The vehicle should exhibit improved stability and reduced unwanted steering play. Pay attention to any unusual noises or handling characteristics during initial operation and address them promptly.

7. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your MOOG DS1235 track bar.

- Lubrication:** The track bar features a greaseable socket. Periodically lubricate the zerk fitting with a high-quality chassis grease according to your vehicle manufacturer's recommendations or at every oil change. This helps flush out contaminants and prevents premature wear and rust.
- Inspection:** During routine vehicle inspections, check the track bar for any signs of wear, damage, or loose fasteners. Pay close attention to the ball joint boot for tears and the bushing for cracks or excessive play.

8. TROUBLESHOOTING

If you experience issues after installing the MOOG DS1235 track bar, consider the following common problems and solutions:

Symptom	Possible Cause	Solution
"Death Wobble" or Excessive Front End Vibrations	<ul style="list-style-type: none">Loose or improperly torqued track bar fasteners.Other worn steering or suspension components (e.g., tie rod ends, ball joints, control arm bushings).Tires out of balance or worn unevenly.	<ul style="list-style-type: none">Re-check all track bar fasteners for correct torque.Inspect other steering and suspension components for wear and replace as necessary.Have tires balanced and rotated.
Steering Wheel Off-Center	<ul style="list-style-type: none">Track bar length slightly different from original (even if designed as OE fit).Steering linkage not properly adjusted after installation.	<ul style="list-style-type: none">Perform a steering wheel re-centering procedure (often involves adjusting the drag link).Consider a professional wheel alignment.
Clunking Noises from Front Suspension	<ul style="list-style-type: none">Loose track bar mounting bolts.Worn track bar bushing or ball joint (if not replaced).Other worn suspension components.	<ul style="list-style-type: none">Verify all track bar fasteners are torqued to specification.Inspect the track bar's bushing and ball joint for play.Inspect other suspension components for wear.

9. SPECIFICATIONS

Attribute	Detail
Brand	MOOG
Model Number	DS1235
OEM Part Number	52007118

UPC	080066415970
Fit Type	Vehicle Specific Fit
Auto Part Position	Front Left
Color	Black
Material	Rubber Bushings
Item Weight	10 pounds
Manufacturer	MOOG Chassis Products

10. WARRANTY INFORMATION

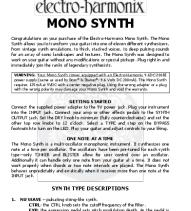
Specific warranty details for the MOOG DS1235 Front Suspension Track Bar are not provided within this document. For comprehensive warranty information, please refer to the official MOOG website or contact MOOG customer service directly. Retain your proof of purchase for any warranty claims.

11. SUPPORT

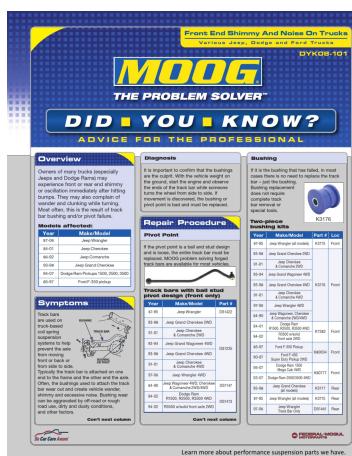
For technical assistance, installation questions, or further product information, please visit the official MOOG website or contact their customer support department. Contact details can typically be found on the MOOG website or product packaging.

Related Documents - DS1235

	<p>Minimoog Voyager Electric Blue User Manual</p> <p>Comprehensive user manual for the Moog Music Minimoog Voyager Electric Blue analog synthesizer, covering safety, setup, synthesis basics, features, components, and MIDI implementation.</p>

 <p>TCI Engineering Technical Information and Product Guides</p> <p>Comprehensive technical data, color codes, torque specifications, and part compatibility for TCI Engineering suspension components, including Mustang II and All American Coil Over systems.</p>	
 <p>Minimoog Voyager Electric Blue User Manual</p> <p>Comprehensive user manual for the Moog Music Minimoog Voyager Electric Blue analog synthesizer, covering setup, features, operation, synthesis basics, and technical details.</p>	
 <p>Moog Minimoog Voyager Analog Synthesizer User Manual - Setup, Features, and Operation</p> <p>Comprehensive user manual for the Moog Minimoog Voyager analog synthesizer, covering setup, connections, components, user interface, synthesis basics, MIDI implementation, and technical specifications.</p>	
 <p>Electro-Harmonix Mono Synth User Manual</p> <p>User manual for the Electro-Harmonix Mono Synth, detailing its features, controls, eleven distinct synth types, operation, specifications, and warranty information. Learn how to transform your guitar into various synthesizer sounds with this versatile effects pedal.</p>	

Documents - MOOG – DS1235



[pdf]

Moog Suspension Systems Informations performance suspension struts shocks coil springs leaf lift kits lowering sway bars bushings air CARiD k3176 information images card moog |||

PROBLEM: Track bar worn and loose at either or both ends V vehicle shimmies after hitting a bump. **W** ... end, where the track bar is attached to vehicle body, a complete replacement is required using the **DS1235** or DS1147 as per applications shown. Includes standard bar-to-axle bushing. If only the bu...

lang:en score:25 filesize: 390.32 K page_count: 1 document date: 2020-12-23

[pdf]

Moog Performance Suspension Parts Product Information performance suspension struts shocks coil springs leaf lift kits lowering sway bars bushings air CARiD k3176 information images card moog |||

PROBLEM: Track bar worn and loose at either or both ends V ehicle shimmies after hitting a bump. W ... end, where the track bar is attached to vehicle body, a complete replacement is required using the **DS1235** or DS1147 as per applications shown. Includes standard bar-to-axle bushing. If only the bu...

lang:en score:25 filesize: 414.16 K page count: 1 document date: 2021-02-14

[pdf]

Moog Suspension Systems Information performance suspension struts shocks coil springs leaf lift kits lowering sway bars bushings air CARiD MOOG® 2 Piece Design Front Track Bar Bushing Image may not reflect your exact vehicle or part K80777 k80777 information images carid moog items |||

Front End Shimmy And Noise On Trucks Various Jeep, Dodge and Ford Trucks DYK08- ... 91-01 Jeep Cherokee Comanche 2WD 93-94 93-98 Jeep Grand Wagoneer 4WD Jeep Grand Cherokee 4WD **DS1235** 91-01 Jeep Cherokee Comanche 4WD 97-06 Jeep Wrangler 4WD 84-90 94-02 94-02 Jeep Wagon...

lang:en score:21 filesize: 525.38 K page_count: 1 document date: 2020-12-24