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› Dorman 524-391 Rear Suspension Track Bar Instruction Manual

Dorman 524-391

Dorman 524-391 Rear Suspension Track Bar Instruction Manual

Compatible with Select Mazda Models

PRODUCT OVERVIEW

This Dorman 524-391 Rear Suspension Track Bar is precision-engineered and rigorously tested to provide a reliable replacement for the original equipment on specific vehicles. It is designed to ensure proper vehicle handling and stability. Key features include:

- Direct replacement - fits and performs like the original equipment track bar on specific vehicles.
- Reliable fit - precision-engineered to match the design and dimensions of original components.
- Durable construction - manufactured to strict standards using sturdy, safe materials.
- Rigorously tested - thorough quality control measures ensure longevity.



Image: The Dorman 524-391 Rear Suspension Track Bar, a long black metal bar with connection points at each end.

VEHICLE COMPATIBILITY

This part is compatible with the following vehicles:

- Mazda MPV: 2000, 2001

Before purchasing or installing, it is recommended to confirm fitment using a vehicle compatibility tool or by consulting your vehicle's service manual.

SETUP AND INSTALLATION

Installation of the Dorman 524-391 Rear Suspension Track Bar should be performed by a qualified technician. This component is critical for vehicle steering and suspension integrity.

General Installation Steps (Consult Service Manual for Specifics):

1. Safely lift and support the vehicle on a level surface.
2. Locate the existing rear suspension track bar.
3. Carefully remove the fasteners securing the old track bar.
4. Remove the old track bar.
5. Position the new Dorman 524-391 track bar and align the mounting points.
6. Install new fasteners (if provided or recommended) and tighten to manufacturer's torque specifications.
7. Lower the vehicle and perform a wheel alignment if necessary, as per vehicle manufacturer guidelines.



Image: A close-up view of one end of the track bar, showing the bushing and mounting hardware.

OPERATING PRINCIPLES

The rear suspension track bar, also known as a Panhard rod, is a crucial component in a vehicle's suspension system, particularly in vehicles with a solid rear axle. Its primary function is to prevent lateral (side-to-side) movement of the axle relative to the vehicle body, while still allowing for vertical movement as the suspension travels.

This ensures that the rear axle remains centered under the vehicle during cornering and over uneven terrain, contributing to stable handling and predictable steering response. The Dorman 524-391 is engineered to maintain these critical operational characteristics.

Your browser does not support the video tag.

Video: An informational video from Dorman Products discussing the importance of chassis and suspension parts, including their design and testing processes. This video highlights how Dorman parts are engineered for durability and performance.

MAINTENANCE

The Dorman 524-391 Rear Suspension Track Bar features a sealed design with self-lubricating polymer bearings. This design minimizes the need for regular maintenance, such as greasing, which was common in older metal bearing designs.

While designed for long service life without active lubrication, periodic inspection during routine vehicle maintenance is recommended. Check for:

- Excessive play in the joints.
- Damage to the sealed boots (cracks, tears).
- Signs of corrosion or physical damage to the bar itself.
- Unusual noises (clunking, squeaking) from the rear suspension area.

If any issues are detected, replacement of the track bar is advised to maintain vehicle safety and performance.

TROUBLESHOOTING

Common symptoms of a failing rear suspension track bar include:

- **Rear End Wander:** The rear of the vehicle feels loose or drifts from side to side, especially over bumps or during cornering.
- **Clunking or Rattling Noises:** Audible sounds from the rear suspension, particularly when going over bumps or uneven surfaces, indicating worn bushings or loose connections.
- **Uneven Tire Wear:** While many factors can cause this, a worn track bar can contribute to improper alignment and subsequent uneven tire wear.
- **Poor Handling:** A general feeling of instability or reduced control, especially at higher speeds.

If you experience any of these symptoms, have your vehicle inspected by a qualified mechanic to diagnose the issue and ensure proper repair.

SPECIFICATIONS

Attribute	Detail
Brand	Dorman
Model Number	524-391
Item Weight	5.2 pounds
Product Dimensions	48 x 2 x 2 inches
Color	Multi
Fit Type	Vehicle Specific Fit
UPC	885484712706
OEM Part Number	13CB76139; 2607774; CMS76175; MS76175; LC6228650B; LC6228650C

WARRANTY AND SUPPORT

Dorman Products are engineered to provide reliable performance. For specific warranty information, please refer to the packaging or contact Dorman directly.

The Dorman technical support team is available to assist with any questions regarding installation, troubleshooting, or product specifications. You can find contact information on the official Dorman website or through your product retailer. For more information on Dorman's commitment to quality and innovation, visit the [Dorman Store](#).

