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> Dorman 528-030 Front Passenger Side Lower Suspension Control Arm and Ball Joint Assembly User Manual

Dorman 528-030

Dorman 528-030 Front Passenger Side Lower Suspension Control Arm and Ball Joint Assembly

Brand: Dorman | **Model:** 528-030

PRODUCT OVERVIEW

The Dorman 528-030 Front Passenger Side Lower Suspension Control Arm and Ball Joint Assembly is engineered as a direct replacement for the original equipment on specific vehicle applications. This assembly is crucial for maintaining proper wheel alignment, steering stability, and overall vehicle handling. It undergoes rigorous evaluation to ensure a smooth ride, directional stability, and predictable dynamics.

This part is compatible with the following vehicles:

- **Dodge Durango:** 2016, 2017, 2018, 2019, 2020
- **Jeep Grand Cherokee:** 2016, 2017, 2018, 2019, 2020

Always confirm fitment for your exact vehicle by checking the manufacturer's specifications or using a vehicle compatibility tool.



Image: Front view of the Dorman 528-030 control arm assembly, showcasing the main structure and pre-installed ball joint.

COMPONENTS INCLUDED

The Dorman 528-030 assembly provides a complete repair solution, including pre-installed components to save installation time and labor.

- 1 Control Arm
- 1 Ball Joint
- 2 Bolts
- 2 Nuts
- 1 Zerk Fitting



Image: Bottom view of the Dorman 528-030 control arm assembly, providing an alternative perspective of its construction and components.

INSTALLATION GUIDELINES

Installation of suspension components requires specialized tools and knowledge. It is highly recommended that this procedure be performed by a qualified automotive technician. Improper installation can lead to vehicle instability, premature wear of components, and potential safety hazards.

Key Installation Considerations:

- **Safety First:** Always use appropriate safety equipment, including jack stands, wheel chocks, and personal protective gear.
- **Vehicle Preparation:** Ensure the vehicle is securely lifted and supported. Disconnect the battery if necessary.
- **Component Removal:** Carefully remove the old control arm assembly, noting the orientation and connection points of all bolts, nuts, and bushings.
- **New Assembly Installation:** Install the Dorman 528-030 assembly, ensuring all bolts are torqued to the manufacturer's specifications. The pre-installed ball joint and bushings simplify this process.
- **Alignment:** After installation, a professional wheel alignment is mandatory to ensure correct steering geometry and tire wear.



Image: Side view of the Dorman 528-030 control arm, illustrating the various mounting points for secure installation within the vehicle's suspension system.

OPERATING PRINCIPLES

The control arm is a fundamental component of a vehicle's suspension system, connecting the steering knuckle to the vehicle's frame or subframe. Its primary function is to allow the wheels to move up and down independently while maintaining proper alignment and stability during driving.

- **Suspension Movement:** Facilitates the vertical movement of the wheel, absorbing road imperfections and contributing to ride comfort.
- **Steering Response:** Plays a critical role in the vehicle's steering geometry, ensuring precise and predictable steering response.
- **Tire Contact:** Helps maintain consistent tire contact with the road surface, which is essential for traction, braking, and handling.
- **Ball Joint Function:** The integrated ball joint allows for rotational movement between the control arm and the steering knuckle, accommodating steering and suspension articulation.

MAINTENANCE AND CARE

While the Dorman 528-030 control arm assembly is designed for durability and features additional coatings for rust and corrosion resistance, regular inspection is recommended to ensure optimal performance and longevity.

- **Periodic Inspection:** During routine vehicle maintenance, inspect the control arm, ball joint, and bushings for signs of wear, damage, or corrosion. Look for cracks in rubber bushings, excessive play in the ball joint, or bending of the control arm.
- **Lubrication:** The included zerk fitting allows for lubrication of the ball joint, which can extend its lifespan. Consult your vehicle's service manual for recommended lubrication intervals and grease type.

- **Cleanliness:** Keep the suspension components free from excessive dirt and debris, which can contribute to premature wear.



Image: Top view of the Dorman 528-030 control arm, emphasizing its robust construction and design for vehicle suspension.

TROUBLESHOOTING COMMON ISSUES

Issues with suspension components can manifest in various ways. If you experience any of the following symptoms, it is advisable to have your vehicle inspected by a qualified technician.

- **Clunking or Popping Noises:** Often heard when going over bumps or turning, this can indicate a worn ball joint or loose bushings.
- **Uneven Tire Wear:** Can be a symptom of improper wheel alignment or worn suspension components, including the control arm.
- **Steering Instability:** Loose or worn control arms can lead to a feeling of looseness in the steering, wandering, or difficulty maintaining a straight line.
- **Vibrations:** While many factors can cause vibrations, worn suspension parts can contribute to vibrations felt through the steering wheel or floorboard.

Note: Attempting to diagnose or repair complex suspension issues without proper training and tools can be dangerous. Always seek professional assistance for accurate diagnosis and repair.

PRODUCT SPECIFICATIONS

Brand	Dorman
Model Number	528-030
Part Position	Front Passenger Side Lower
Material	Aluminum
Item Weight	21 pounds

Product Dimensions	24.87 x 20.62 x 5 inches
OEM Part Numbers	11CB25354; 2608595; CMS251233; RK623378; 68282728AB; 68282728AC; 68291038AB; 68291038AC
UPC	889245993557



Image: An additional view of the Dorman 528-030 control arm, providing a closer look at the integrated ball joint and its connection points.

WARRANTY AND SUPPORT

Dorman is committed to providing high-quality automotive replacement parts. For specific warranty information regarding the Dorman 528-030 Control Arm and Ball Joint Assembly, please refer to the official Dorman website or contact Dorman customer service directly. Dorman has been a trusted name in the automotive aftermarket for over 100 years, offering solutions engineered to save time and money, and increase convenience and reliability for repair professionals and vehicle owners.

For further assistance, technical support, or to locate authorized distributors, please visit the official Dorman website or use the contact information provided with your purchase.



Image: The Dorman company logo, representing a brand with over a century of experience in the automotive aftermarket.

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This manual is for informational purposes only. Always consult a qualified professional for vehicle repairs.