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> Dorman 533-958 Front Rearward Radius Arm Bushing Instruction Manual for Ford Models

## Dorman 533-958

# Dorman 533-958 Front Rearward Radius Arm Bushing Instruction Manual

For Ford F-250, F-350, F-450, F-550 Super Duty Models (2005-2015)

## 1. PRODUCT OVERVIEW

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The Dorman 533-958 Front Rearward Radius Arm Bushing is engineered to provide a direct and reliable replacement for the original equipment bushing in specific Ford Super Duty vehicles. This component is crucial for maintaining proper suspension geometry and vehicle handling.



Image 1.1: Top-down view of the Dorman 533-958 Front Rearward Radius Arm Bushing. This image displays the bushing's overall shape, including the central metal sleeve and the surrounding rubber material, designed for vibration dampening and structural support.

## 2. VEHICLE COMPATIBILITY

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This Dorman radius arm bushing is compatible with the following Ford Super Duty models:

- **Ford F-250 Super Duty:** 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015
- **Ford F-350 Super Duty:** 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015
- **Ford F-450 Super Duty:** 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015
- **Ford F-550 Super Duty:** 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015

**Important: Always verify fitment for your specific vehicle using a vehicle compatibility tool or by consulting a qualified mechanic before installation.**

## 3. PACKAGE CONTENTS

Upon opening the package, you should find the following item:

- 1 x Dorman 533-958 Front Rearward Radius Arm Bushing

## 4. INSTALLATION INSTRUCTIONS

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Replacing a radius arm bushing requires specialized tools and automotive knowledge. It is highly recommended that this procedure be performed by a certified professional. If you choose to proceed yourself, ensure you have the necessary tools and follow all safety precautions. Refer to your vehicle's service manual for specific torque specifications and detailed removal/installation procedures.

### General Installation Steps:

1. **Safety First:** Park the vehicle on a level surface, engage the parking brake, and use wheel chocks. Lift the vehicle using a hydraulic jack and support it securely with jack stands. Never work under a vehicle supported only by a jack.
2. **Access the Component:** Locate the radius arm and the bushing to be replaced. Depending on your vehicle, this may require removing other components for access.
3. **Remove Old Bushing:** Loosen and remove the fasteners securing the radius arm. Carefully remove the radius arm from its mounting point. The old bushing will need to be pressed out of the radius arm using a specialized bushing press tool. Do not attempt to hammer out the bushing as this can damage the radius arm.
4. **Prepare for New Bushing:** Clean the bore of the radius arm thoroughly, removing any rust or debris. Apply a thin layer of appropriate lubricant to the outer surface of the new bushing and the inner surface of the radius arm bore.
5. **Install New Bushing:** Using the bushing press tool, carefully press the new Dorman 533-958 bushing into the radius arm. Ensure it is seated squarely and fully.
6. **Reassemble:** Reinstall the radius arm into the vehicle, ensuring all fasteners are tightened to the manufacturer's specified torque.
7. **Final Checks:** Lower the vehicle and perform a visual inspection to ensure all components are correctly installed and secured. It is recommended to have a wheel alignment performed after replacing suspension components.



Image 4.1: Side view of the Dorman 533-958 Front Rearward Radius Arm Bushing. This perspective highlights the cylindrical body and the flared ends, which are critical for proper seating within the radius arm and vehicle frame.

## 5. FUNCTION AND PURPOSE

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The radius arm bushing plays a vital role in your vehicle's suspension system. It connects the radius arm to the vehicle's frame, allowing for controlled movement while dampening vibrations and absorbing road impacts. A properly functioning bushing helps maintain wheel alignment, steering stability, and overall ride comfort. Worn bushings can lead to poor handling, uneven tire wear, and noise from the suspension.

## 6. MAINTENANCE

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Radius arm bushings are wear items and do not typically require routine maintenance beyond periodic inspection. During routine vehicle inspections or tire rotations, it is advisable to:

- Visually inspect the bushings for cracks, tears, or excessive deterioration of the rubber material.
- Check for any signs of play or looseness in the radius arm connection points.
- Listen for clunking or squeaking noises coming from the front suspension, especially over bumps or during braking.

If any signs of wear or damage are observed, replacement of the bushing is recommended to ensure vehicle safety and performance.

## 7. TROUBLESHOOTING COMMON ISSUES

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If you suspect an issue with your radius arm bushings, consider the following common symptoms:

- **Clunking or Popping Noises:** Often heard when going over bumps, accelerating, or braking. This can indicate excessive play in a worn bushing.
- **Vague Steering or Poor Handling:** Worn bushings can affect steering precision and make the vehicle feel less stable, especially at higher speeds.
- **Uneven Tire Wear:** If the bushing allows the radius arm to shift, it can alter wheel alignment, leading to premature and uneven tire wear.
- **Vibration:** Excessive vibration felt through the steering wheel or floorboards can sometimes be attributed to worn suspension components, including bushings.

If you experience any of these symptoms, it is advisable to have your vehicle inspected by a qualified mechanic to diagnose the issue accurately.

## 8. PRODUCT SPECIFICATIONS

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| Specification            | Detail   |
|--------------------------|--|
| Brand                    | Dorman   |
| Model Number             | 533-958  |
| Item Weight              | 3 pounds   |
| Product Dimensions       | 5.75 x 4.62 x 3.62 inches                                  |
| Manufacturer Part Number | 533-958  |
| OEM Part Numbers         | 4675469; GS404197; K201635; MS404197; TD5815W; 5C3Z3B203AA |



Image 8.1: Angled view of the Dorman 533-958 Front Rearward Radius Arm Bushing. This view provides a good perspective of the bushing's overall dimensions and construction, including the metal and rubber components.

## 9. WARRANTY AND SUPPORT

Dorman Products are manufactured to strict quality standards and are rigorously tested to ensure longevity and performance. For specific warranty information regarding your Dorman 533-958 Radius Arm Bushing, please refer to the documentation included with your purchase or visit the official Dorman Products website.

If you require technical assistance, have questions about installation, or need to report an issue, please contact Dorman customer support directly. Contact information can typically be found on the Dorman Products website or on the product packaging.

