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> HPI Racing Hot Bodies 67381 D8 Rear Suspension Arm Set Instruction Manual

HPI Racing HBS67381

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1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and care of your Hot Bodies 67381 D8 Rear Suspension Arm Set. Designed for competitive racers, these high-quality replacement parts ensure lasting performance and contribute to the optimal handling of your Hot Bodies D8 vehicle. Please read these instructions carefully before proceeding with installation or use.

2. PRODUCT OVERVIEW

The Hot Bodies 67381 D8 Rear Suspension Arm Set includes two durable rear suspension arms specifically designed for the Hot Bodies D8 model. These arms are critical components of your vehicle's suspension system, influencing handling, stability, and shock absorption. Manufactured from high-quality materials, they are built to withstand the rigors of competitive RC racing.



Image 2.1: The Hot Bodies 67381 D8 Rear Suspension Arm Set, shown in its original packaging. The package clearly

displays the part number '67381' and 'Rear Suspension Arm Set' along with the 'HB D8' model compatibility.

Key features include:

- **High-Quality Materials:** Ensures durability and long-lasting performance.
- **Precision Fit:** Designed specifically for the Hot Bodies D8 chassis.
- **Performance Enhancement:** Essential for maintaining optimal suspension geometry and vehicle handling.

3. INSTALLATION

Proper installation of the rear suspension arms is crucial for the performance and safety of your RC vehicle. Refer to your Hot Bodies D8 vehicle's main assembly manual for detailed diagrams and specific torque specifications.

Required Tools:

- Hex wrenches (appropriate sizes for your D8)
- Pliers (optional, for holding small parts)
- Thread-locking compound (blue, medium strength - for metal-to-metal screws)

Installation Steps:

1. **Preparation:** Ensure your vehicle is clean and stable on a workbench. Remove the wheels and any components obstructing access to the rear suspension arms.
2. **Removal of Old Arms:** Carefully remove the screws, hinge pins, and any other fasteners securing the old rear suspension arms to the chassis and hub carriers. Note the orientation of all parts for correct reassembly.
3. **Inspection:** Inspect surrounding components such as hinge pins, bushings, and hub carriers for wear or damage. Replace any worn parts as necessary.
4. **Installation of New Arms:** Position the new Hot Bodies 67381 rear suspension arms. Insert the hinge pins through the chassis and the new arms. Secure them with the appropriate screws or clips.
5. **Attach Hub Carriers:** Connect the hub carriers to the outer ends of the new suspension arms using the hinge pins and fasteners. Ensure all pivot points move freely without excessive play.
6. **Reassembly:** Reattach any removed components, such as shock absorbers and sway bars, to the new suspension arms. Apply a small amount of blue thread-locking compound to metal screws that thread into metal parts to prevent loosening from vibrations.
7. **Final Check:** Verify that all screws are tightened appropriately and that the suspension arms move smoothly through their full range of motion without binding.

4. USAGE CONSIDERATIONS

Once installed, the Hot Bodies 67381 D8 Rear Suspension Arm Set will contribute to the overall performance of your RC vehicle. While these arms are robust, proper usage practices can extend their lifespan and maintain peak performance.

- **Driving Conditions:** Avoid excessive impacts or collisions that can stress suspension components beyond their design limits.
- **Regular Inspection:** Periodically check the arms for any signs of stress, cracks, or bending, especially after hard impacts.
- **Cleanliness:** Keep the suspension area free from dirt, mud, and debris, which can cause premature wear on moving parts.

5. MAINTENANCE

Regular maintenance is essential to ensure the longevity and optimal performance of your Hot Bodies 67381 D8 Rear Suspension Arm Set.

- **Cleaning:** After each use, especially in dirty conditions, clean the suspension arms and surrounding areas with a soft brush and compressed air. Avoid using harsh chemicals that may degrade the plastic material.
- **Visual Inspection:** Routinely check for any visible damage, such as cracks, bends, or excessive wear at the hinge pin holes.
- **Fastener Check:** Ensure all screws and fasteners connected to the suspension arms are securely tightened. Loose fasteners can lead to poor handling or component failure.
- **Pivot Point Lubrication:** While not always necessary for plastic arms, ensuring hinge pins are clean and move freely can prevent binding.

6. TROUBLESHOOTING AND INSPECTION

If you experience issues with your vehicle's rear suspension, perform the following checks related to the suspension arms:

- **Uneven Handling:** Inspect both rear arms for any signs of bending or cracking that could cause uneven suspension travel.
- **Excessive Play:** Check the hinge pin areas for excessive looseness. Worn hinge pin holes in the arms or worn hinge pins themselves can cause slop. Replace the arms or pins if significant play is detected.
- **Binding:** Ensure the arms move freely without any resistance throughout their travel. Binding can be caused by overtightened screws, bent hinge pins, or debris.
- **Visible Damage:** Any visible cracks, fractures, or significant abrasions on the suspension arms indicate a need for replacement to prevent further damage or performance degradation.

7. SPECIFICATIONS

Specification	Detail
Product Name	Hot Bodies D8 Rear Suspension Arm Set
Part Number	67381
Model Number	HBS67381
Compatibility	Hot Bodies D8 RC Vehicle
Product Dimensions	4.25 x 0.5 x 7.75 inches (packaging)
Item Weight	2.4 ounces
Manufacturer	HRP (Level 3 Products)
Recommended Age	15 years and up

8. WARRANTY AND SUPPORT

For specific warranty information regarding the Hot Bodies 67381 D8 Rear Suspension Arm Set, please refer to the official HPI Racing or Hot Bodies website, or contact their customer support directly. As a replacement part, warranty coverage typically applies to manufacturing defects. Keep your proof of purchase for any warranty claims.

For technical support or further assistance with installation and maintenance, please visit the HPI Racing official website or consult your local authorized HPI Racing dealer.