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## Bosal 037091

# Bosal ACPS-ORIS 037-091 Trailer Hitch Instruction Manual

## 1. INTRODUCTION

This manual provides essential instructions for the proper installation, safe operation, and maintenance of your Bosal ACPS-ORIS 037-091 Trailer Hitch. Adherence to these guidelines is crucial for ensuring safety, optimal performance, and product longevity. Please read this manual thoroughly before attempting any installation or use.

## 2. SAFETY INFORMATION

Always prioritize safety when working with towing equipment. Failure to follow safety precautions can result in serious injury or property damage.

- **Professional Installation:** It is highly recommended that this trailer hitch be installed by a qualified professional or a certified mechanic.
- **Vehicle Compatibility:** Ensure the trailer hitch is compatible with your specific vehicle make, model, and year. Refer to your vehicle's owner's manual for towing capacity and requirements.
- **Weight Limits:** Never exceed the maximum towing capacity of the hitch or your vehicle, whichever is lower.
- **Regular Inspection:** Before each use, inspect the hitch, fasteners, and all towing components for wear, damage, or corrosion. Do not use if any damage is found.
- **Secure Connections:** Always ensure all bolts, pins, and safety chains are properly secured before towing.
- **Driving Safely:** Adjust your driving habits when towing. Allow for increased stopping distances and wider turns.

## 3. SETUP AND INSTALLATION

The installation of the Bosal ACPS-ORIS 037-091 Trailer Hitch requires specific tools and mechanical knowledge. If you are not confident in your ability to perform the installation correctly, seek assistance from a professional.

### 3.1 Pre-Installation Checks

- Verify all components listed in the packaging are present and undamaged.
- Consult your vehicle's owner's manual for any specific instructions regarding trailer hitch installation or modifications.
- Ensure the vehicle is on a level surface, the engine is off, and the parking brake is engaged. Disconnect the battery if required by vehicle-specific instructions.

### 3.2 General Installation Steps

1. **Vehicle Preparation:** Depending on your vehicle, it may be necessary to remove or temporarily lower components such as

the exhaust, spare tire, or bumper fascia to access the frame mounting points.

2. **Positioning the Hitch:** Carefully lift the trailer hitch into position, aligning the mounting holes on the hitch with the corresponding holes on the vehicle's frame.
3. **Securing with Fasteners:** Insert the provided bolts, washers, and nuts through the aligned holes. Hand-tighten all fasteners to hold the hitch in place.
4. **Final Tightening:** Using a torque wrench, tighten all fasteners to the torque specifications provided in the hitch's specific installation sheet (not included in this general manual). Ensure all bolts are securely fastened.
5. **Reassembly:** Reinstall any vehicle components that were removed or lowered during the installation process.



**Figure 1:** Close-up of the Bosal ACPS-ORIS 037-091 Trailer Hitch, showing the tow ball and the robust mounting bracket secured with bolts. This image illustrates the primary components involved in connecting to a trailer.

## 4. OPERATING INSTRUCTIONS

Proper operation of your trailer hitch ensures safe towing and prevents damage to your vehicle or trailer.

### 4.1 Connecting a Trailer

1. **Positioning:** Carefully back your vehicle towards the trailer, aligning the trailer coupler with the hitch ball.
2. **Lowering the Coupler:** Use the trailer's jack to lower the coupler onto the hitch ball. Ensure the coupler fully engages the ball.
3. **Securing the Coupler:** Close and latch the coupler mechanism. Insert any safety pins or locks as required by the coupler design.
4. **Safety Chains:** Cross the trailer's safety chains beneath the trailer tongue and attach them to the designated safety chain loops on the hitch or vehicle frame. Ensure there is enough slack for turns but not so much that they drag on the ground.
5. **Electrical Connection:** Connect the trailer's wiring harness to your vehicle's electrical connector. Test all trailer lights

(running lights, brake lights, turn signals) before driving.

## 4.2 Disconnecting a Trailer

1. Park the vehicle and trailer on a level surface and engage the parking brake.
2. Place chocks under the trailer wheels.
3. Disconnect the electrical wiring harness.
4. Remove the safety chains from the vehicle.
5. Open the trailer coupler latch and remove any safety pins.
6. Use the trailer's jack to raise the coupler off the hitch ball.
7. Drive the vehicle slowly away from the trailer.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your Bosal ACPS-ORIS 037-091 Trailer Hitch.

- **Inspection:** Periodically inspect the hitch for signs of rust, cracks, bends, or other damage. Pay close attention to welds and mounting points.
- **Fastener Check:** Regularly check all bolts and nuts for tightness. Re-torque to manufacturer specifications if necessary.
- **Cleaning:** Clean the hitch regularly, especially after exposure to road salt, dirt, or harsh weather conditions. Use mild soap and water, then dry thoroughly.
- **Lubrication:** Apply a thin layer of grease to the hitch ball to reduce friction and wear between the ball and the trailer coupler.
- **Corrosion Protection:** If the powder coating is chipped or damaged, touch up with rust-inhibiting paint to prevent corrosion.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your trailer hitch.

- **Loose Connections:** If you notice excessive play or rattling, re-check all mounting bolts and ensure they are torqued to specification. Inspect the trailer coupler for proper engagement.
- **Unusual Noises:** Squeaking or grinding sounds can indicate a lack of lubrication on the hitch ball or issues with the trailer coupler. Ensure the hitch ball is greased.
- **Difficulty Connecting/Disconnecting:** Ensure the hitch ball and coupler are clean and free of debris. Lubricate the hitch ball. Check for any deformation of the coupler or hitch ball.
- **Rust/Corrosion:** Clean affected areas thoroughly and apply rust-inhibiting paint. Regular cleaning and inspection can prevent this.
- **Damaged Components:** If any part of the hitch is bent, cracked, or severely corroded, discontinue use immediately and replace the damaged component or the entire hitch. Do not attempt to repair structural damage.

## 7. SPECIFICATIONS

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Technical details for the Bosal ACPS-ORIS 037-091 Trailer Hitch.

Feature	Detail
Brand	Bosal
Model Number	037091

Feature	Detail
Manufacturer	ACPS-ORIS
Material	Alloy Steel
Finish Type	Powder Coated
Item Weight	36.4 pounds (16.55 Kilograms)
Vehicle Service Type	Car
Pull Force	16.55 Kilograms (Note: This value appears to be the same as the item weight. Users should consult official product documentation for accurate towing capacity.)

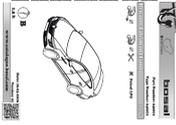
## 8. WARRANTY AND SUPPORT

For specific warranty information regarding your Bosal ACPS-ORIS 037-091 Trailer Hitch, please refer to the documentation provided at the time of purchase or contact your retailer. Warranty terms typically cover manufacturing defects under normal use. For technical support or inquiries, please contact the manufacturer, ACPS-ORIS, or your authorized Bosal dealer. Ensure you have your model number (037091) and proof of purchase available when seeking support.

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### Related Documents - 037091

	<p><a href="#">Bosal Towbar Fitting Instructions for Hyundai Santa Fe &amp; Kia Sorento</a></p> <p>Comprehensive fitting instructions for Bosal towbars, detailing installation steps, technical specifications, and safety guidelines for Hyundai Santa Fe (APV) and Kia Sorento vehicles. Includes torque values, D-value calculation, and vehicle compatibility.</p>
	<p><a href="#">Bosal 083-192 Tow Bar Installation Guide for Ford Transit Custom &amp; Tourneo Custom</a></p> <p>Detailed installation instructions, general advice, and technical specifications for the Bosal 083-192 tow bar system for Ford Transit Custom and Ford Tourneo Custom (12/12-). Includes parts list, fitting steps, guarantee, and usage information.</p>
	<p><a href="#">Bosal Towbar Fitting Instructions for Renault Megane IV (2016-)</a></p> <p>Comprehensive fitting instructions and safety guidelines for installing a Bosal towbar (Part Number: 051513) on a Renault Megane IV (2016-). Includes technical specifications, ECE R55 homologation details, step-by-step installation, and important safety warnings.</p>



### [Bosal Towbar Fitting Instructions for Renault Talisman \(2015-\)](#)

Detailed fitting instructions and technical specifications for the Bosal towbar (Part Number 040671) for the Renault Talisman (Limo) model year 2015 and onwards. Includes ECE R55 homologation details, safety guidelines, and step-by-step installation procedures.



### [Bosal Towbar Fitting Instructions for Ford Transit Custom \(SWB/LWB\)](#)

Comprehensive fitting instructions and technical specifications for the Bosal towbar (Part number: 038742) designed for the Ford Transit Custom (SWB/LWB) Van/Bus/Kombi/Tourneo (2.5-3.3 ton). Includes ECE R55 homologation details, D-value calculation, torque specifications, parts list, and step-by-step assembly guidance.