ACPS-ORIS 041-011

ACPS-ORIS 041-011 Towing Hitch User Manual

Model: 041-011

1. Product Overview

The ACPS-ORIS 041-011 Towing Hitch is designed for vehicle-specific applications, providing a robust and reliable connection point for towing trailers. Constructed from alloy steel with a powder-coated finish, this hitch offers durability and resistance to corrosion. It is engineered to integrate seamlessly with compatible vehicles, ensuring safe and efficient towing operations.



An image showing the ACPS-ORIS 041-011 Towing Hitch, featuring the main receiver bar, mounting brackets, and the ball mount with a chrome-plated hitch ball attached. The components are finished in a durable black powder coating.

2. Safety Information

Before installation or use, carefully read and understand all instructions and warnings. Failure to follow these instructions may result in property damage, serious injury, or death.

- **Professional Installation Recommended:** Due to the critical nature of towing equipment, professional installation by a qualified technician is highly recommended.
- **Weight Capacity:** Never exceed the lowest weight rating of any component in your towing system (vehicle, hitch, trailer, or ball mount). Refer to your vehicle's owner's manual for specific towing capacities.
- **Regular Inspection:** Before each towing trip, inspect the hitch, ball mount, and all fasteners for signs of wear, damage, or corrosion. Ensure all bolts are properly tightened.
- **Proper Connection:** Always ensure the trailer coupler is securely attached to the hitch ball and that safety chains are correctly connected.
- **Lighting and Brakes:** Verify that all trailer lights (tail, brake, turn signals) are functioning correctly and that trailer brakes (if equipped) are operational.
- **Load Distribution:** Distribute the trailer load evenly, with approximately 10-15% of the total trailer weight as tongue weight for conventional trailers.

3. Package Contents

Verify that all components are present and undamaged before beginning installation. If any parts are missing or damaged, contact ACPS-ORIS customer support.

- Towing Hitch Assembly (Model 041-011)
- Mounting Hardware (bolts, washers, nuts)
- Installation Instructions (this manual)

4. Setup and Installation

Installation of the ACPS-ORIS 041-011 Towing Hitch requires specific tools and mechanical aptitude. It is crucial to follow vehicle-specific instructions provided with the hitch or consult a professional installer. The general steps below are for informational purposes only and do not replace detailed, vehicle-specific instructions.

Required Tools (Typical):

- Socket Wrench Set
- Torque Wrench
- Safety Glasses
- Gloves
- Vehicle Jack and Jack Stands (if lifting vehicle is necessary)

General Installation Steps:

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and turn off the engine. If necessary, lift the vehicle using a jack and secure it with jack stands.
2. **Locate Mounting Points:** Identify the designated mounting points on your vehicle's frame, typically near the rear bumper. These points may require cleaning or removal of existing components (e.g., exhaust hangers, bumper fascia).

3. **Position Hitch:** Carefully lift the hitch assembly into position, aligning the mounting holes on the hitch with those on the vehicle frame. It may be helpful to have an assistant for this step.
4. **Install Hardware:** Insert the provided bolts, washers, and nuts through the aligned holes. Hand-tighten all fasteners to hold the hitch in place.
5. **Torque Fasteners:** Using a torque wrench, tighten all fasteners to the specifications outlined in your vehicle-specific installation guide. Proper torque is critical for safety.
6. **Final Inspection:** Double-check all connections and ensure the hitch is securely mounted and free from any obstructions.

5. Operating Instructions

Once the towing hitch is securely installed, follow these guidelines for safe operation.

- **Attach Ball Mount:** Insert the appropriate ball mount into the receiver tube of the hitch and secure it with a hitch pin and clip.
- **Connect Trailer:** Lower the trailer coupler onto the hitch ball. Ensure the coupler is fully seated and locked onto the ball. Engage any secondary locking mechanisms on the coupler.
- **Attach Safety Chains:** Cross the trailer's safety chains under the trailer tongue and attach them to the designated 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.
- **Connect Electrical:** Plug the trailer's electrical connector into the vehicle's receptacle. Test all trailer lights (running, brake, turn signals) before driving.
- **Check Brake Controller:** If your trailer has electric brakes, ensure your vehicle's brake controller is properly calibrated and functioning.
- **Pre-Trip Inspection:** Before each trip, perform a thorough inspection of the entire towing setup, including tires, lights, connections, and cargo security.

6. Maintenance

Regular maintenance helps ensure the longevity and safe operation of your towing hitch.

- **Clean Regularly:** Clean the hitch assembly periodically to remove dirt, salt, and road grime. Use mild soap and water, then rinse thoroughly.
- **Inspect for Damage:** Visually inspect the hitch for cracks, bends, excessive rust, or other signs of damage before each use. Pay close attention to welds and mounting points.
- **Check Fasteners:** Periodically check all mounting bolts and nuts for tightness. Re-torque to manufacturer specifications if necessary.
- **Lubricate:** Apply a thin layer of grease to the hitch ball to reduce friction and wear between the ball and the trailer coupler.
- **Store Properly:** When not in use, consider removing the ball mount from the receiver to prevent theft and reduce exposure to elements.

7. Troubleshooting

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

Issue: Hitch Rattling or Excessive Movement

- **Solution:** Ensure all mounting bolts are tightened to the correct torque specifications. Check for any loose

components or worn parts. A hitch anti-rattle device can be used to reduce movement between the receiver and ball mount.

Issue: Difficulty Connecting Trailer Coupler

- **Solution:** Ensure the hitch ball is clean and lightly greased. Verify that the trailer coupler is fully open and aligned correctly with the hitch ball. Check for any debris inside the coupler.

Issue: Visible Rust or Corrosion

- **Solution:** Clean the affected area thoroughly. For minor surface rust, sand lightly and apply a rust-inhibiting primer and paint. For significant corrosion, consider replacing the affected component. Regular cleaning and inspection can prevent severe rust.

8. Specifications

Feature	Detail
Model Number	041-011
Brand	ACPS-ORIS
Material	Alloy Steel
Finish Type	Powder Coated
Item Weight	46.2 pounds
Package Dimensions	37.8 x 14.57 x 9.84 inches
Vehicle Service Type	Vehicle specific
Manufacturer	ACPS-ORIS
Date First Available	May 28, 2023

9. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or visit the official ACPS-ORIS website. If you require technical assistance, have questions regarding installation, or need to report a missing/damaged part, please contact ACPS-ORIS customer support directly. Ensure you have your product model number (041-011) and proof of purchase available when contacting support.

Note: This manual provides general guidance. Always adhere to local towing regulations and your vehicle manufacturer's recommendations.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question