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ACPS-ORIS 037-801

ACPS-ORIS 037-801 Towing Hitch Instruction Manual

Model: 037-801

1. Introduction

This manual provides essential information for the safe and proper installation, operation, and maintenance of your ACPS-ORIS 037-801 Towing Hitch. Please read this manual thoroughly before attempting any installation or use. Retain this manual for future reference.

The ACPS-ORIS 037-801 Towing Hitch is designed to provide a secure connection point for towing trailers and other compatible equipment with your vehicle. Adherence to these instructions will ensure optimal performance and safety.

2. Safety Information

Always prioritize safety when working with towing equipment. Failure to follow these safety guidelines may result in property damage, serious injury, or death.

- **Professional Installation Recommended:** Installation of a towing hitch often requires specialized tools and knowledge. It is highly recommended that this product be installed by a qualified professional.
- **Vehicle Compatibility:** Ensure the towing 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 Capacity:** Never exceed the maximum towing capacity of the hitch or your vehicle, whichever is lower. Overloading can lead to loss of control and equipment failure.
- **Regular Inspection:** Before each towing operation, inspect the hitch, trailer coupler, safety chains, and electrical connections for wear, damage, or loose fasteners.
- **Secure Connections:** Always ensure the trailer coupler is properly seated and locked onto the hitch ball. Attach safety chains correctly and cross them under the trailer tongue.
- **Maintenance:** Keep the hitch clean and lubricated as specified in the maintenance section.
- **Children and Pets:** Keep children and pets away from the vehicle and trailer during installation and coupling/uncoupling procedures.

3. Package Contents

Verify that all components are present and undamaged before proceeding with installation.

- ACPS-ORIS 037-801 Towing Hitch Assembly
- Mounting Hardware (bolts, nuts, washers - specific quantities may vary by vehicle application)

- Hitch Ball (may be sold separately or included depending on package)
- Hitch Ball Cover (if included)
- Instruction Manual (this document)



Figure 1: ACPS-ORIS 037-801 Towing Hitch Assembly. This image displays the main hitch receiver and the attached hitch ball, ready for vehicle mounting. The robust black metal construction is visible, along with the securing bolts for the hitch ball.



Figure 2: ACPS-ORIS Hitch Ball Cover. This image shows a black protective cover designed to fit over a hitch ball when not in use, featuring the "ORIS" brand logo in white with a blue accent line.

4. Setup and Installation

Warning: Due to the complexity and safety implications, professional installation is strongly recommended. Incorrect installation can lead to serious accidents.

1. **Review Vehicle Manual:** Consult your vehicle's owner's manual for specific instructions regarding towing hitch installation and any vehicle-specific requirements or modifications.
2. **Gather Tools:** Ensure you have all necessary tools, which may include wrenches, sockets, torque wrench, drill (if required for frame modification), and safety glasses.
3. **Position Vehicle:** Park the vehicle on a level surface, engage the parking brake, and turn off the engine. For safety, consider disconnecting the battery.
4. **Locate Mounting Points:** Identify the designated mounting points on your vehicle's frame. These are typically pre-drilled holes or areas requiring drilling.
5. **Attach Hitch:** Carefully lift the hitch into position and align it with the mounting points. Secure it using the provided hardware (bolts, washers, nuts).
6. **Torque Fasteners:** Tighten all fasteners to the torque specifications provided in the hitch's specific installation guide (often included with the hardware or available from the manufacturer). Use a torque wrench for accuracy.

7. **Install Hitch Ball:** If the hitch ball is separate, install it onto the hitch mount according to its specific instructions, ensuring it is securely tightened to the recommended torque.
8. **Electrical Connections (if applicable):** If your towing setup requires trailer lights, install the appropriate wiring harness and connect it to your vehicle's electrical system. Test all lights (brake, turn, running) before towing.
9. **Final Inspection:** Double-check all connections, fasteners, and ensure there is no interference with other vehicle components.

5. Operating Instructions

Proper operation is crucial for safe towing.

1. **Before Towing:**
    - Ensure the hitch ball is clean and free of debris.
    - Verify the trailer coupler matches the hitch ball size.
    - Check tire pressure on both the tow vehicle and trailer.
    - Confirm trailer load is properly distributed, with appropriate tongue weight.
2. **Coupling the Trailer:**
    - Back the tow vehicle slowly until the hitch ball is directly under the trailer coupler.
    - Lower the trailer coupler onto the hitch ball, ensuring it fully engages and locks.
    - Engage the coupler latch mechanism and insert any safety pins or clips.
    - Attach safety chains by crossing them under the trailer tongue and securing them to the vehicle's frame or designated attachment points.
    - Connect the trailer's electrical plug to the vehicle's receptacle.
    - Test all trailer lights (turn signals, brake lights, running lights).
    - Raise the trailer jack fully and secure it.
3. **During Towing:**
    - Drive at reduced speeds and allow for increased stopping distances.
    - Make wider turns to accommodate the trailer.
    - Periodically check mirrors to monitor the trailer.
    - Avoid sudden maneuvers.
4. **Uncoupling the Trailer:**
    - Park on a level surface and engage the parking brake.
    - Place chocks under the trailer wheels.
    - Lower the trailer jack until it supports the trailer's weight.
    - Disconnect the electrical plug and safety chains.
    - Release the coupler latch and raise the trailer coupler off the hitch ball.
    - Move the tow vehicle away from the trailer.

6. Maintenance

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

- **Inspection:** Before each use, visually inspect the hitch for any signs of damage, cracks, excessive rust, or loose fasteners. Pay close attention to welds and mounting points.

- **Cleaning:** Clean the hitch regularly to remove dirt, road salt, and debris. Use mild soap and water, then rinse thoroughly.
- **Lubrication:** Apply a thin layer of grease to the hitch ball and coupler mechanism periodically to reduce wear and friction.
- **Fastener Torque:** Periodically check the torque of all mounting bolts and hitch ball fasteners. Re-tighten to the manufacturer's specified torque values if necessary.
- **Corrosion Protection:** If the hitch is exposed to harsh weather or road salt, consider applying a rust-inhibiting coating or paint to exposed metal surfaces.
- **Storage:** When not in use, consider covering the hitch ball with a protective cap (like the one shown in Figure 2) to prevent corrosion and keep it clean.

7. Troubleshooting

This section addresses common issues you might encounter.

- **Issue:** Trailer sways excessively.
  - **Solution:** Check trailer load distribution; too little tongue weight can cause sway. Ensure tire pressures are correct. Reduce speed.
- **Issue:** Hitch makes noise (clunking, creaking).
  - **Solution:** Inspect for loose fasteners. Lubricate the hitch ball and coupler. Ensure the coupler is fully engaged and locked.
- **Issue:** Trailer lights not working.
  - **Solution:** Check electrical connections for corrosion or looseness. Inspect trailer light bulbs and vehicle fuses.
- **Issue:** Difficulty coupling/uncoupling.
  - **Solution:** Ensure the hitch ball and coupler are clean and lubricated. Verify the trailer jack is functioning correctly.

If you encounter issues not covered here or require further assistance, contact ACPS-ORIS customer support or a qualified professional.

8. Specifications

Feature	Detail
Brand	ACPS-ORIS
Model Number	037-801
Manufacturer	ACPS-ORIS
Item Weight	17.7 kg
Parcel Dimensions	107 x 25 x 23 cm
ASIN	B08Q7LTV3K
Date First Available	Nov. 4 2023

9. Warranty and Support

ACPS-ORIS products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty information provided with your purchase or visit the official ACPS-ORIS website.

For technical support, replacement parts, or further inquiries, please contact ACPS-ORIS customer service directly. Contact information can typically be found on the manufacturer's website or product packaging.

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