ACPS-ORIS 052-491

ACPS-ORIS Tow Hitch 052-491 Instruction Manual

Model: 052-491

1. Product Overview

The ACPS-ORIS 052-491 tow hitch is a robust and reliable towing device designed for specific vehicle models. This rigid ball joint tow hitch is engineered to meet European conformity standards (ECE7_011771), ensuring safe and secure towing operations. It is essential to ensure this product is compatible with your vehicle before installation and use.



Image 1: ACPS-ORIS Tow Hitch 052-491 assembly.

2. Installation Guide

Installation of the ACPS-ORIS 052-491 tow hitch requires specialized tools and technical knowledge. It is strongly recommended that installation be performed by a qualified professional or an authorized service center to ensure proper fitment and safety. Incorrect installation can lead to serious accidents and may void the product warranty.

The estimated assembly time for this tow hitch is approximately 1.5 hours. Please refer to the detailed installation instructions provided with the physical product packaging for specific steps tailored to your vehicle model. Ensure all components are present and undamaged before beginning installation.

- Always follow vehicle manufacturer's guidelines for towing equipment installation.
- Ensure the vehicle is securely supported and the engine is off during installation.
- Verify all fasteners are tightened to the specified torque settings.
- After installation, perform a thorough check of all connections and ensure the tow hitch is securely mounted.

3. Operation

Once the tow hitch is correctly installed, its operation involves safely connecting and disconnecting a trailer or other towing accessory. Always adhere to the following guidelines:

1. **Pre-Towing Inspection:** Before each use, inspect the tow hitch for any signs of damage, corrosion, or loose components. Ensure the tow ball is clean and free of debris.
2. **Connecting the Trailer:** Carefully lower the trailer coupling onto the tow ball. Ensure the coupling is fully engaged and locked onto the ball. Verify the safety chain or cable is properly attached to the vehicle.
3. **Electrical Connections:** Connect the trailer's electrical plug to the vehicle's socket. Test all lights (brake, turn signals, running lights) before driving.
4. **Load Distribution:** Ensure the trailer load is distributed correctly to maintain proper tongue weight. Refer to your vehicle and trailer manuals for specific recommendations.
5. **Driving with a Trailer:** Drive cautiously, allowing for increased braking distances and wider turns. Avoid sudden maneuvers.
6. **Disconnecting the Trailer:** Park on a level surface, engage the vehicle's parking brake, and chock the trailer wheels. Disconnect electrical connections and safety chains before raising the trailer coupling from the tow ball.

Never exceed the maximum towable mass or vertical load specified for this tow hitch or your vehicle, whichever is lower.

4. Maintenance

Regular maintenance ensures the longevity and safe operation of your ACPS-ORIS tow hitch. Follow these recommendations:

- **Cleaning:** Keep the tow hitch clean, especially the tow ball. Remove dirt, mud, and road salt regularly.
- **Lubrication:** Periodically apply a thin layer of grease to the tow ball to reduce friction and wear, especially before long trips or frequent use.
- **Inspection:** Regularly inspect the entire tow hitch assembly for signs of wear, corrosion, cracks, or deformation. Pay close attention to welds, bolts, and the tow ball itself.
- **Fastener Check:** Periodically check all mounting bolts and nuts for tightness. Re-torque them to the manufacturer's specifications if necessary.
- **Storage:** When not in use, consider using a tow ball cover to protect it from the elements and keep it clean.

If any damage or excessive wear is observed, discontinue use immediately and consult a qualified professional for inspection and repair or replacement.

5. Troubleshooting

This section addresses common issues you might encounter with your tow hitch. For complex problems, always consult a

professional.

- **Issue: Trailer coupling does not fit or is difficult to attach.**
  - *Solution:* Ensure the tow ball is clean and free of rust or debris. Check if the trailer coupling is compatible with a 50mm tow ball. Apply a small amount of grease to the tow ball.
- **Issue: Excessive noise or rattling during towing.**
  - *Solution:* Verify that the trailer coupling is fully engaged and locked onto the tow ball. Check all mounting bolts for tightness on both the tow hitch and the trailer. Inspect for any loose components or worn parts.
- **Issue: Visible rust or corrosion on the tow hitch.**
  - *Solution:* Clean the affected areas thoroughly. Apply a rust-inhibiting primer and paint if the corrosion is superficial. For significant corrosion, professional inspection is recommended as structural integrity may be compromised.

6. Specifications

Feature	Detail
Brand	ACPS-ORIS
Model Number	052-491
Tow Hitch Type	Rigid Ball Joint
D-Value	12.28 kN
Vertical Load	100 kg
Towable Mass	2500 kg
Conformity Mark	ECE7_011771
Estimated Assembly Time	1.5 hours
Item Weight	17.2 Kilograms
Product Dimensions (L x W x H)	105 x 48 x 22 cm

7. Vehicle Compatibility

The ACPS-ORIS 052-491 tow hitch is compatible with the following vehicle models. Always verify compatibility with your specific vehicle's year, make, and model before purchase and installation.

- **VW Tiguan II (AD1, AX1)**
  - 1.4 eHybrid (2020) (1395 ccm, 180 KW, 245 PS)
  - 2.0 TSI 4motion (2021) (1984 ccm, 180 KW, 245 PS)
  - 2.0 TDI (2020) (1968 ccm, 90 KW, 122 PS)
  - 2.0 TDI 4motion (2020) (1968 ccm, 147 KW, 200 PS)
  - 1.5 TSI (2018) (1498 ccm, 96 KW, 131 PS)
  - 2.0 TSI 4motion (2018) (1984 ccm, 140 KW, 190 PS)

    - 2.0 TSI 4motion (2018-2020) (1984 ccm, 169 KW, 230 PS)
    - 1.5 TSI (2018) (1498 ccm, 110 KW, 150 PS)
    - 1.5 TSI (2018-2019) (1498 ccm, 96 KW, 131 PS)
    - 2.0 TDI 4motion (2016-2020) (1968 ccm, 130 KW, 177 PS)
    - 2.0 TDI (2016-2020) (1968 ccm, 81 KW, 110 PS)
    - 1.6 TDI (2016-2020) (1598 ccm, 85 KW, 115 PS)
    - 2.0 TSI 4motion (2016) (1984 ccm, 162 KW, 220 PS)
    - 2.0 TDI (2016-2019) (1968 ccm, 85 KW, 115 PS)
    - 1.4 TSI 4motion (2016-2018) (1395 ccm, 110 KW, 150 PS)
    - 1.4 TSI (2016-2022) (1395 ccm, 110 KW, 150 PS)
    - 1.4 TSI (2016-2022) (1395 ccm, 92 KW, 125 PS)
    - 2.0 TDI 4motion (2016-2020) (1968 ccm, 176 KW, 240 PS)
    - 2.0 TDI 4motion (2016-2020) (1968 ccm, 140 KW, 190 PS)
    - 2.0 TDI 4motion (2016-2020) (1968 ccm, 110 KW, 150 PS)
    - 2.0 TDI (2016) (1968 ccm, 110 KW, 150 PS)
    - 2.0 TSI 4motion (2016) (1984 ccm, 132 KW, 180 PS)
- **SKODA Kodiaq (NS7)**
    - 2.0 TDI (2018) (1968 ccm, 85 KW, 116 PS)
    - 2.0 TDI 4x4 (2020) (1968 ccm, 147 KW, 200 PS)
    - 2.0 TDI 4x4 (2017) (1968 ccm, 130 KW, 177 PS)
    - 2.0 TDI (2020) (1968 ccm, 147 KW, 200 PS)
- **SEAT Ateca (KH7)**
- **VW Tiguan Allspace (BW2, BJ2)**
- **SEAT Tarraco (KN2)**
- **VW TIGUAN (AD1, AX1)**
- **SKODA KODIAQ I (NS6, NS7, NV7)**
- **SEAT TARRACO (KN2)**

This list is an example of compatible vehicles. Always use the product search bar or consult with a specialist to confirm suitability for your specific vehicle model and year.

8. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or contact the retailer or ACPS-ORIS directly. Warranty terms and conditions may vary based on region and point of purchase.

For technical support, installation queries, or any other assistance, please contact ACPS-ORIS customer service or your authorized dealer. Ensure you have your product model number (052-491) and purchase details available when seeking support.

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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.

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