

**ACI 505ZCC2JJVAJ37QVKE3W496QJM**

# ACI Windshield Washer Pump Installation and Operation Manual

For Audi Q5 Models (2009-2018)

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ACI Windshield Washer Pump. Designed as a direct replacement part, this pump ensures proper function of your vehicle's windshield washing system. Please read this manual thoroughly before attempting any installation or maintenance.

### 1.1. Product Overview

The ACI Windshield Washer Pump is an essential component for maintaining clear visibility by delivering washer fluid to the windshield. This unit is manufactured to meet or exceed original equipment specifications, ensuring reliable performance.



Figure 1: ACI Windshield Washer Pump and its retail packaging.

## 1.2. Vehicle Compatibility

This ACI Windshield Washer Pump is compatible with the following Audi Q5 models:

- Audi Q5: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018

Always confirm vehicle fitment using your vehicle's specific year, make, and model to ensure proper compatibility before installation.

## 2. SAFETY INFORMATION

Working on automotive systems can be hazardous. Adhere to all safety precautions to prevent injury or damage to your vehicle.

- Always wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is turned off and the ignition key is removed before beginning any work.
- Disconnect the vehicle's battery if instructed or if working near electrical components.
- Allow the engine and surrounding components to cool down before working to avoid burns.
- If you are unsure about any step, consult a qualified automotive technician.
- Keep children and pets away from the work area.

## 3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The standard package for the ACI Windshield Washer Pump typically includes:

- 1 x ACI Windshield Washer Pump
- Necessary mounting hardware (if applicable, may vary by model)
- Original packaging



Figure 2: ACI branding indicating genuine replacement parts.

If any items are missing or damaged, contact your retailer or ACI customer support immediately.

## 4. INSTALLATION INSTRUCTIONS

This section outlines the general procedure for replacing a windshield washer pump. Specific steps may vary slightly depending on your vehicle's configuration. Refer to your vehicle's service manual for precise instructions if needed.

## 4.1. Tools Required

- Basic hand tools (screwdrivers, pliers, socket set)
- Drain pan (for washer fluid)
- Clean rags
- New windshield washer fluid

## 4.2. Removal of Old Pump

1. **Locate the Washer Fluid Reservoir:** The washer fluid reservoir is typically located under the hood, often on one side of the engine bay.
2. **Drain Washer Fluid:** If possible, drain the existing washer fluid from the reservoir. This can often be done by disconnecting a hose from the pump or reservoir and allowing the fluid to flow into a drain pan.
3. **Disconnect Electrical Connector:** Carefully disconnect the electrical connector from the old washer pump.
4. **Disconnect Hoses:** Disconnect the washer fluid hoses from the pump. Be prepared for some residual fluid to leak out.
5. **Remove Old Pump:** The pump is usually secured to the reservoir with a rubber grommet or a clip. Gently pull or unclip the pump from the reservoir.

## 4.3. Installation of New Pump

1. **Prepare New Pump:** Ensure the new ACI pump has its rubber grommet properly seated (if applicable).
2. **Install Pump into Reservoir:** Carefully insert the new pump into the opening on the washer fluid reservoir. Ensure it is seated firmly and securely.
3. **Connect Hoses:** Reconnect the washer fluid hoses to the appropriate outlets on the new pump. Ensure a snug fit to prevent leaks.
4. **Connect Electrical Connector:** Reconnect the electrical connector to the new pump.
5. **Refill Reservoir:** Fill the washer fluid reservoir with fresh, appropriate windshield washer fluid.
6. **Test System:** Turn on the vehicle's ignition (do not start the engine unless necessary for testing) and activate the windshield washer system to check for proper operation and leaks. Observe the spray pattern and ensure fluid is delivered to the windshield.
7. **Secure Components:** Reinstall any removed components (e.g., fender liners, covers) that were necessary to access the pump.

**Note:** This is a direct replacement auto part. If you encounter difficulties or are not confident in performing the installation, it is recommended to seek assistance from a certified mechanic.

## 5. OPERATING INSTRUCTIONS

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Once the ACI Windshield Washer Pump is installed, its operation is integrated with your vehicle's existing controls. To operate the windshield washer system:

- Ensure the ignition is on.
- Activate the windshield washer function using the lever or button on your steering column or dashboard, as per your Audi Q5's owner's manual.
- The pump will activate, spraying washer fluid onto the windshield, and the wipers will typically engage automatically.

Refer to your Audi Q5 owner's manual for specific instructions on operating your vehicle's windshield washer system.

## 6. MAINTENANCE

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Proper maintenance of your windshield washer system ensures optimal visibility and extends the life of the pump.

- **Fluid Level Check:** Regularly check the washer fluid level in the reservoir and refill as needed with a high-quality windshield washer fluid suitable for your climate. Do not use plain water, especially in freezing temperatures.
- **Nozzle Inspection:** Periodically inspect the washer nozzles on your hood or cowl for clogs or misalignment. Clear any blockages with a thin pin if necessary.
- **Hose Inspection:** Check washer fluid hoses for cracks, leaks, or loose connections.
- **Winter Care:** In cold climates, use winter-formulated washer fluid to prevent freezing and ensure proper operation.

## 7. TROUBLESHOOTING

If you experience issues with your windshield washer system after installing the ACI pump, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
No fluid sprays onto windshield	<ul style="list-style-type: none"><li>◦ Low or empty fluid reservoir</li><li>◦ Clogged washer nozzles</li><li>◦ Disconnected or kinked hose</li><li>◦ Blown fuse</li><li>◦ Faulty electrical connection to pump</li></ul>	<ul style="list-style-type: none"><li>◦ Refill reservoir</li><li>◦ Clear nozzles with a thin pin</li><li>◦ Check and reconnect hoses</li><li>◦ Inspect and replace fuse (refer to vehicle manual)</li><li>◦ Verify electrical connector is secure</li></ul>
Weak or inconsistent spray	<ul style="list-style-type: none"><li>◦ Partially clogged nozzles</li><li>◦ Low fluid level</li><li>◦ Air in the system</li><li>◦ Leaking hose connection</li></ul>	<ul style="list-style-type: none"><li>◦ Clear nozzles</li><li>◦ Refill reservoir</li><li>◦ Run system for a few seconds to purge air</li><li>◦ Check and secure hose connections</li></ul>
Pump runs but no fluid	<ul style="list-style-type: none"><li>◦ Empty reservoir</li><li>◦ Completely blocked hoses/nozzles</li><li>◦ Pump not properly seated in reservoir (not drawing fluid)</li></ul>	<ul style="list-style-type: none"><li>◦ Refill reservoir</li><li>◦ Inspect and clear all fluid pathways</li><li>◦ Re-seat pump firmly into reservoir grommet</li></ul>

If these steps do not resolve the issue, it may indicate a more complex problem requiring professional diagnosis.

## 8. SPECIFICATIONS

Key specifications for the ACI Windshield Washer Pump (Model: 505ZCC2JJVAJ37QVKE3W496QJM):

Attribute	Detail
Manufacturer	ACI
Brand (Distributor)	Sixity Auto
Model Number	505ZCC2JJVAJ37QVKE3W496QJM
Item Weight	4.2 ounces

Attribute	Detail
Product Dimensions	5.5 x 2.81 x 2 inches
ASIN	B0DRWF4B48
First Available	December 30, 2024

9. WARRANTY AND SUPPORT

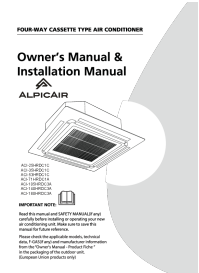
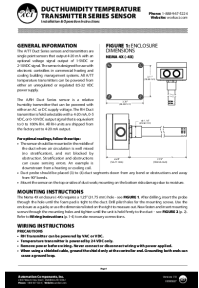
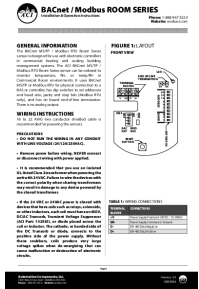
This ACI Windshield Washer Pump is a genuine ACI part. For specific warranty information, please refer to the documentation included with your purchase or contact the seller, Sixity Auto, directly. Warranty terms typically cover manufacturing defects.


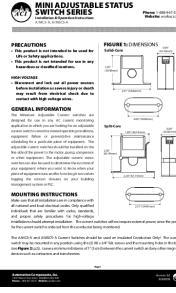
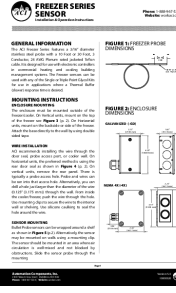
For technical support, installation assistance, or warranty claims, please contact Sixity Auto customer service through the platform where the purchase was made or via their official contact channels.



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This manual is for informational purposes only. Always consult a qualified professional for complex repairs.

Related Documents - 505ZCC2JJVAJ37QVKE3W496QJM

	<p><a href="#">Installation Guide for ACI Series Cassette Air Conditioners</a></p> <p>Detailed installation instructions for ACI series cassette air conditioners, including safety precautions, mounting dimensions, and connection procedures. Covers models like ACI-25HRDC1C, ACI-35HRDC1C, ACI-53HRDC1C, ACI-71HRDC1A, ACI-105HRDC3A, ACI-140HRDC3A, and ACI-180HRDC3A.</p>
	<p><a href="#">ACI Duct Humidity Temperature Transmitter Series Sensor Installation and Operation</a></p> <p>Installation and operation instructions for ACI's Duct Humidity Temperature Transmitter Series Sensors (A/TT and A/RH). Covers general information, mounting, wiring, calibration, troubleshooting, and product specifications for HVAC building management systems.</p>
	<p><a href="#">ACI BACnet/Modbus Room Series Sensor Installation and Operation Manual</a></p> <p>Comprehensive installation and operation guide for the ACI BACnet MS/TP and Modbus RTU Room Series temperature and humidity sensors. Covers wiring, mounting, configuration, and specifications for building management systems.</p>

 <p><b>RR2552 SPREAD SPECTRUM REPEATER</b></p> <p><b>GENERAL INFORMATION</b></p> <p><b>INSTALLATION INSTRUCTIONS</b></p> <p><b>SETTLE REPEATABLE NETWORK ID</b></p>	<p><a href="#">ACI RR2552 Spread Spectrum Repeater: Installation and Operation Instructions</a></p> <p>Comprehensive guide to installing and operating the ACI RR2552 Spread Spectrum Repeater, covering setup, network ID configuration, mounting, wiring, troubleshooting, and product specifications.</p>
 <p><b>MINI ADJUSTABLE STATUS SWITCH SERIES</b></p> <p><b>PRECAUTIONS</b></p> <p><b>GENERAL INFORMATION</b></p> <p><b>INSTALLATION INSTRUCTIONS</b></p> <p><b>FIGURE 1 DIMENSIONS</b></p>	<p><a href="#">ACI Mini Adjustable Status Switch Series A/MCS-A, A/MSCS-A Installation and Operation Manual</a></p> <p>Installation and operation instructions for the ACI Mini Adjustable Status Switch Series (A/MCS-A, A/MSCS-A). Covers features, precautions, mounting, wiring, calibration, troubleshooting, and product specifications for AC current monitoring.</p>
 <p><b>FREEZER SERIES SENSOR</b></p> <p><b>GENERAL INFORMATION</b></p> <p><b>INSTALLATION INSTRUCTIONS</b></p> <p><b>FIGURE 1 DIMENSIONS</b></p> <p><b>FIGURE 2 WIRING DIAGRAM</b></p>	<p><a href="#">ACI Freezer Series Sensor Installation and Operation Instructions</a></p> <p>Comprehensive guide for installing, operating, and troubleshooting ACI Freezer Series temperature sensors. Includes product specifications, wiring diagrams, and mounting instructions for commercial HVAC and building management systems.</p>