

AT13525

Generic Washer Reservoir Assembly with Pump and Sensor

Instruction Manual for Toyota RAV4, RAV4 Hybrid, and Venza Hybrid (Model AT13525)

1. PRODUCT OVERVIEW

This document provides essential information for the installation, operation, and maintenance of the Generic Washer Reservoir Assembly with Pump and Sensor. This unit is designed as a replacement part for specific Toyota models, including the RAV4, RAV4 Hybrid, and Venza Hybrid. It integrates the fluid reservoir, a pump for dispensing washer fluid, and a sensor to monitor fluid levels, ensuring proper function of your vehicle's windshield washer system.

2. PACKAGE CONTENTS

Upon unpacking, please verify that all components listed below are present and undamaged:

- 1x Washer Reservoir Assembly with integrated Pump and Sensor
- Associated hoses and connectors (as pictured)



Figure 2.1: The image displays the complete washer reservoir assembly. It includes the main white plastic reservoir tank, a black cap, a pump-sensor unit attached to the bottom, a flexible white hose, a smaller white funnel-like component with a black cap and a yellow chain, and two coiled clear hoses. These components are designed for installation in compatible Toyota vehicles.

3. SPECIFICATIONS

Specification	Value
Manufacturer	ATUAN1299
Part Number	ATUAN1275
Item Model Number	AT13525
Product Dimensions	1 x 1 x 1 inches (approximate)
Power Source	Vehicle Electrical System (Pump)
Included Components	Washer Reservoir Assy, Pump, Sensor
ASIN	B0G7ZFNVC8

4. SETUP AND INSTALLATION

This washer reservoir assembly is a direct replacement part. Installation typically involves removing the old unit and installing the new one. Due to the complexity of automotive systems and the need for proper sealing and electrical connections, **professional installation by a qualified mechanic is highly recommended.**

General Installation Steps (Consult a Service Manual for Your Specific Vehicle Model):

- Safety First:** Ensure the vehicle is turned off, the parking brake is engaged, and the battery's negative terminal is disconnected to prevent accidental electrical shorts.
- Locate Old Reservoir:** Identify the existing windshield washer fluid reservoir in your vehicle. Its location can vary by model (e.g., under the hood, behind a fender liner).
- Drain Fluid:** If possible, drain any remaining washer fluid from the old reservoir into a suitable container.
- Disconnect Components:** Carefully disconnect any hoses, electrical connectors (for the pump and sensor), and mounting bolts securing the old reservoir.
- Remove Old Reservoir:** Extract the old reservoir from its mounting location.
- Install New Reservoir:** Position the new Generic Washer Reservoir Assembly in the same location. Secure it with the appropriate mounting hardware.
- Connect Components:** Reconnect all hoses and electrical connectors to the new pump and sensor. Ensure all connections are secure and properly sealed to prevent leaks.
- Refill Fluid:** Fill the new reservoir with an appropriate windshield washer fluid.
- Reconnect Battery:** Reconnect the vehicle's battery negative terminal.
- Test System:** Turn on the vehicle and test the windshield washer system to ensure the pump operates, fluid is dispensed, and there are no leaks. Check for any warning lights related to the washer fluid level sensor.

Note: Specific torque values for fasteners and detailed removal/installation procedures can be found in your vehicle's official service manual.

5. OPERATING INSTRUCTIONS

Once installed, the washer reservoir assembly operates as part of your vehicle's existing windshield washer system. Its primary function is to store windshield washer fluid and, via the integrated pump, deliver it to the windshield or rear window nozzles when activated by the driver.

Filling the Reservoir:

1. Locate the reservoir cap (usually marked with a windshield icon).
2. Open the cap.
3. Pour appropriate windshield washer fluid into the reservoir until it reaches the 'MAX' fill line or is full. Do not overfill.
4. Securely close the cap.

The integrated sensor will alert you via your vehicle's dashboard indicator when the fluid level is low, prompting a refill.

6. MAINTENANCE

Regular maintenance of the washer reservoir assembly ensures optimal performance of your vehicle's windshield washer system.

- **Fluid Level Check:** Periodically check the washer fluid level, especially before long trips or during seasonal changes. Refill as needed with a high-quality windshield washer fluid suitable for your climate.
- **Use Correct Fluid:** Only use automotive windshield washer fluid. Do not use plain water, as it can freeze in cold temperatures and damage the pump or lines, and does not effectively clean the windshield.
- **Inspect for Leaks:** Occasionally inspect the reservoir, hoses, and connections for any signs of leaks. Address any leaks promptly to prevent fluid loss and potential damage to other vehicle components.
- **Clean Reservoir (if necessary):** If the fluid appears cloudy or contains debris, the reservoir may need to be drained and cleaned. This typically requires removal of the reservoir.

7. TROUBLESHOOTING

If you experience issues with your windshield washer system after installing this assembly, consider the following:

- **No Fluid Dispensed:**
 - Check fluid level in the reservoir.
 - Ensure electrical connection to the pump is secure.
 - Check the fuse for the windshield washer system (refer to your vehicle's owner's manual for fuse box location and diagram).
 - Inspect hoses for kinks or disconnections.
 - Nozzles might be clogged; try clearing them with a fine needle.
- **Fluid Leaks:**
 - Inspect all hose connections for tightness.
 - Check the reservoir itself for cracks or damage.
 - Ensure the pump and sensor are properly seated and sealed in the reservoir.
- **Low Fluid Warning Light Stays On (after refill):**
 - Ensure the reservoir is completely full.
 - Check the electrical connection to the fluid level sensor.
 - The sensor itself might be faulty (less common for new parts).

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional automotive

technician.

8. WARRANTY AND SUPPORT

According to the product specifications, there is no explicit warranty description provided for this item. For any issues or support inquiries, please refer to the retailer or seller from whom the product was purchased.