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› Asudaro Universal Aluminum Oil Catch Can Instruction Manual (Model: DE-XP2177B)

Asudaro DE-XP2177B

Asudaro Universal Aluminum Oil Catch Can Instruction Manual

Model: **DE-XP2177B** | Capacity: **1 Liter**

1. INTRODUCTION

Thank you for choosing the Asudaro Universal Aluminum Oil Catch Can. This device is designed to collect oil vapor and moisture from your engine's PCV/CCV system before it re-enters the intake manifold. By preventing these contaminants from accumulating, the oil catch can helps maintain engine cleanliness, reduce carbon buildup, and extend the lifespan of critical engine components. This manual provides essential information for the proper installation, operation, and maintenance of your new oil catch can.

Please read these instructions carefully before installation and retain this manual for future reference.

2. PRODUCT OVERVIEW

The Asudaro Universal Aluminum Oil Catch Can is constructed from high-quality aluminum alloy, ensuring durability and resistance to rust. It features a baffled system to efficiently separate oil and moisture from air, an easy-to-read fluid level indicator, and a convenient drain plug for maintenance.

Key Features:

- **High-Quality Construction:** Made from lightweight, rust-resistant aluminum alloy for superior strength and durability.
- **Efficient Contaminant Capture:** Integrated baffled system effectively traps oil and moisture from PCV/CCV air, preventing carbon deposits.
- **Easy Maintenance:** Equipped with a bottom drain plug for simple and quick discharge of collected fluids.
- **Fluid Level Indicator:** A clear indicator allows for easy monitoring of the collected fluid level.
- **Universal Fit:** Standardized design suitable for installation in most vehicle types.



Figure 2.1: Front view of the Asudaro Universal Aluminum Oil Catch Can. This image displays the main body of the catch can, highlighting its black finish and overall hexagonal shape. The top features a threaded opening for the cap, and various ports are visible for hose connections.

1L



Figure 2.2: Asudaro Oil Catch Can, 1 Liter capacity. This image shows the catch can from a slightly different angle, with a prominent '1L' label indicating its capacity. The inlet/outlet ports and the fluid level tube are clearly visible.

3. SPECIFICATIONS

Refer to the table below for detailed product specifications:

Feature	Specification
Material	High-Quality Aluminum Alloy
Color	Black
Capacity	1 Liter
Inlet/Outlet Size	10 mm

Feature	Specification
Item Weight	630 g
Package Dimensions	25.3 x 24 x 10.7 cm
Vehicle Service Type	Car
Fit Type	Universal Fit
Model Number	DE-XP2177B



Figure 3.1: Dimensions of the Asudaro Oil Catch Can. This image provides a top-down and side view of the catch can with various measurements (e.g., 115mm, 84.5mm, 51mm, 143mm, 129mm, 166mm) clearly labeled, assisting with installation planning.

4. SETUP AND INSTALLATION

Installation of the oil catch can requires basic mechanical knowledge. If you are unsure about any steps, it is recommended to seek professional assistance.

General Installation Steps:

1. **Identify Mounting Location:** Choose a suitable location in the engine bay that is stable, away from extreme heat, and allows for easy access for maintenance. Ensure there is enough space for the catch can and its hoses.
2. **Mount the Catch Can:** Securely mount the oil catch can using appropriate brackets and hardware (not included, typically).
3. **Identify PCV/CCV Hoses:** Locate the positive crankcase ventilation (PCV) or crankcase ventilation (CCV) hose on your engine. This hose typically connects the crankcase to the intake manifold.
4. **Cut and Connect Hoses:** Disconnect the existing PCV/CCV hose. Cut new hoses (not included) to the appropriate length to connect the PCV/CCV valve to the 'IN' port of the catch can, and the 'OUT' port of the catch can to the intake manifold. Ensure all connections are secure and airtight using hose clamps.
5. **Check for Leaks:** After installation, start the engine and carefully check for any air leaks around the hose connections.

Important: Always ensure the engine is cool before performing any work in the engine bay. Refer to your vehicle's service manual for specific PCV/CCV system diagrams.



Figure 4.1: Examples of oil catch can installations. This collage shows the catch can installed in different vehicle engine compartments, demonstrating various mounting positions and hose routing possibilities. These are illustrative examples and actual installation may vary based on vehicle type.

5. OPERATING INSTRUCTIONS

Once properly installed, the Asudaro Universal Aluminum Oil Catch Can operates passively. It continuously collects oil vapor and moisture as your engine runs. No active user intervention is required during operation.

Regularly inspect the fluid level indicator to monitor the amount of collected fluid. The frequency of inspection may vary depending on driving conditions, engine type, and climate.

6. MAINTENANCE

Regular maintenance is crucial to ensure the optimal performance of your oil catch can and engine.

Maintenance Schedule:

- **Fluid Drainage:** Drain the collected fluid from the catch can every 1,000 to 3,000 miles, or as indicated by the fluid level. The frequency may need to be increased in colder climates or for vehicles with higher blow-by.
- **Cleaning:** Periodically, or during fluid drainage, the catch can can be removed and thoroughly cleaned with a suitable degreaser to remove any sludge or residue.

Drainage Procedure:

1. Ensure the engine is off and cool.
2. Place a suitable container beneath the drain plug at the bottom of the catch can.
3. Unscrew the drain plug to allow the collected fluid to empty into the container.
4. Once drained, securely re-tighten the drain plug.
5. Dispose of the collected fluid responsibly according to local environmental regulations. This fluid is typically a mixture of oil, fuel, and water.



Figure 6.1: Asudaro Oil Catch Can with the top cap removed. This image illustrates the threaded opening at the top of the catch can, which can be used for internal inspection or more thorough cleaning if needed, in addition to the bottom drain plug.

7. TROUBLESHOOTING

If you encounter any issues with your Asudaro Oil Catch Can, consider the following troubleshooting steps:

- **No Fluid Collected:**

- Ensure hoses are correctly connected to the PCV/CCV system and the catch can's 'IN' and 'OUT' ports.
- Check for any air leaks in the hose connections or the catch can itself.
- Verify that the engine is operating normally and producing blow-by.

- **Excessive Fluid Collection / Rapid Filling:**

- This can be normal depending on engine condition, driving style, and climate (e.g., cold weather increases condensation).
- If unusually rapid, it might indicate excessive engine blow-by, which could suggest internal engine wear. Consult a mechanic if concerned.

- **Leaks Around Connections:**

- Tighten all hose clamps and ensure hoses are properly seated on the ports.
- Inspect hoses for cracks or damage and replace if necessary.
- Ensure the drain plug is securely tightened.

If problems persist after attempting these steps, please contact customer support.

8. WARRANTY AND SUPPORT

For warranty information regarding your Asudaro Universal Aluminum Oil Catch Can, please refer to the terms and conditions provided by your retailer at the time of purchase. Warranty coverage typically addresses manufacturing defects.

If you require technical assistance, have questions about installation, or need to report a product issue, please contact the seller or Asudaro customer support through the platform where the product was purchased. Please have your purchase details and model number (DE-XP2177B) ready when contacting 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.

Submit question

