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> [HPS Aluminum Oil Catch Can Kit Installation and Maintenance Manual for Acura Integra Type S \(2024\) and Honda Civic Type R \(2017-2021, 2023-2024\), Model 860-002](#)

HPS 860-002

HPS Aluminum Oil Catch Can Kit Installation and Maintenance Manual

Model: 860-002 | Brand: HPS

1. PRODUCT OVERVIEW

The HPS Performance Oil Catch Can Kit is designed to enhance engine longevity and performance by filtering out oil and water vapors from the Positive Crankcase Ventilation (PCV) system. This process helps to prevent carbon buildup on intake valves, a common issue in direct-injected engines, and maintains the octane content in the combustion chamber.

Key features of the HPS Oil Catch Can Kit include:

- Machined billet aluminum construction with built-in diverters and baffles to effectively separate contaminants.
- Solid one-piece screw-on cup design with a sealed base to prevent leaks.
- Integrated 14mm hex on the cup bottom for easy maintenance.
- Screw-on dipstick for convenient monitoring of fill level.
- 5 fluid ounce capacity, reducing the frequency of maintenance intervals.
- Custom-designed, powder-coated steel mounting bracket for secure installation using factory mounting points.
- Pre-assembled hoses and -6 AN fittings for a direct bolt-on installation.



Figure 1.1: Detailed diagram illustrating the key features of the HPS Oil Catch Can Kit, including the anodized aluminum dipstick, powder-coated steel mounting bracket, AN fittings, push-on hoses, 5 fl. oz. capacity billet aluminum can, built-in diverters and baffles, and the 14mm hex for serviceability.

Compatibility: This oil catch can kit is specifically designed for **LEFT HAND DRIVE** vehicles only.

2024 Acura Integra Type S 2.0L Turbo

2017-2021 Honda Civic Type R 2.0L Turbo

2. PACKAGE CONTENTS

Verify that all components listed below are present in your HPS Aluminum Oil Catch Can Kit:

- HPS Aluminum Oil Catch Can Assembly
- Custom Designed Powder Coated Steel Mounting Bracket
- Pre-assembled Hoses with -6 AN Fittings
- Mounting Hardware (screws, clamps)



Figure 2.1: All components included in the HPS Oil Catch Can Kit. This image displays the aluminum catch can, mounting bracket, pre-assembled hoses with AN fittings, and various mounting hardware.

3. SETUP AND INSTALLATION

This kit is designed for a hassle-free bolt-on installation using existing factory mounting points. No drilling is required.

1. **Preparation:** Ensure the engine is cool. Disconnect the vehicle's battery for safety. Identify the PCV system hoses that will be replaced or rerouted.
2. **Mounting the Bracket:** Locate a suitable factory mounting point on the firewall. Secure the custom-designed powder-coated steel bracket using the provided hardware. Ensure the bracket is stable and provides ample room for the catch can and hose routing.
3. **Installing the Catch Can:** Attach the HPS Aluminum Oil Catch Can to the mounted bracket. Ensure

it is securely fastened.

4. **Hose Connection:** Reroute the PCV system hoses using the provided pre-assembled hoses and -6 AN fittings. Connect one hose from the PCV valve to the 'IN' port of the catch can, and the other hose from the 'OUT' port of the catch can back to the intake manifold. Refer to your vehicle's service manual for specific PCV hose routing if unsure.
5. **Final Checks:** Double-check all connections for tightness. Ensure hoses are not kinked or rubbing against other engine components. Reconnect the vehicle's battery.



Figure 3.1: The HPS Oil Catch Can Kit installed within the engine bay of a compatible vehicle. This image shows the catch can mounted on the firewall with hoses connected to the PCV system.



Figure 3.2: A closer view of the HPS Oil Catch Can Kit installation, highlighting the connections and mounting bracket within the engine compartment.

4. OPERATING INSTRUCTIONS

Once installed, the HPS Oil Catch Can operates passively, collecting oil and water vapors from the PCV system. No active user input is required during normal vehicle operation.

Monitoring Fill Level

The catch can is equipped with an anodized aluminum dipstick to easily monitor the collected fluid level without disassembling the unit. Periodically check the dipstick to determine when the catch can requires emptying.



Figure 4.1: Top view of the HPS Oil Catch Can, illustrating the red anodized aluminum dipstick used for monitoring the fluid level inside the can.

5. MAINTENANCE

Regular maintenance of your HPS Oil Catch Can is crucial to ensure its continued effectiveness and prevent overfilling. The 5 fluid ounce capacity provides ample room, but periodic emptying is necessary.

1. **Check Fluid Level:** Regularly check the dipstick (as described in Section 4) to assess the amount of collected fluid. The frequency of checks may vary based on driving conditions and engine characteristics.
2. **Emptying the Catch Can:** When the fluid level approaches the maximum capacity, the catch can needs to be emptied. Place a suitable container beneath the catch can to collect the drained fluid.
3. **Accessing the Drain:** The bottom of the catch can's cup features a 14mm hex. Use a 14mm wrench or socket to unscrew the cup from the main body of the catch can.
4. **Disposal:** Dispose of the collected oil/water mixture responsibly according to local environmental regulations. This fluid is a hazardous waste product.
5. **Reassembly:** Once emptied, screw the cup back onto the catch can body, ensuring it is securely tightened to prevent leaks.



Figure 5.1: Bottom view of the HPS Oil Catch Can, highlighting the 14mm hex on the screw-on cup for easy removal and draining during maintenance.

6. TROUBLESHOOTING

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

- **Leaks:** Ensure all AN fittings and hose clamps are securely tightened. Verify the screw-on cup is fully seated and tightened. Check for any damage to hoses or O-rings.
- **No Fluid Collection:** Confirm that the hoses are correctly routed to and from the PCV system. Ensure the 'IN' and 'OUT' ports are connected properly. Verify that the engine is operating under conditions that typically produce blow-by.
- **Excessive Fluid Collection:** While the catch can is designed to collect blow-by, unusually rapid filling might indicate an underlying engine issue. Consult a qualified mechanic if you suspect this.
- **Mounting Instability:** Re-check the mounting bracket and ensure all fasteners are tight. The bracket

should be securely attached to the firewall.

For persistent issues, please contact HPS Performance Products customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	HPS
Model Number	860-002
Material	Aluminum
Exterior Finish	Machined
Capacity	5 Fluid Ounces
Item Weight	4 pounds
Package Dimensions	16 x 6 x 6 inches
Fuel Type Compatibility	Gasoline
Vehicle Service Type	Car
Fit Type	Universal (Specific vehicle compatibility listed in Product Overview)

8. WARRANTY INFORMATION

HPS Performance Products typically offers a manufacturer's warranty on their products. For specific details regarding the warranty period, coverage, and claims process for your HPS Aluminum Oil Catch Can Kit (Model 860-002), please refer to the warranty documentation included with your purchase or visit the official HPS Performance Products website.

It is recommended to retain your proof of purchase for any warranty claims.

9. SUPPORT

Should you require further assistance with the installation, operation, maintenance, or troubleshooting of your HPS Aluminum Oil Catch Can Kit, please contact HPS Performance Products customer support.

HPS Performance Products Contact Information:

Please visit the official HPS Performance Products website for the most current contact details, including phone numbers, email addresses, and support hours.

When contacting support, please have your product model number (860-002) and proof of purchase readily available.