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## Dorman 47039

### Dorman 47039 PCV Elbow Instruction Manual

Model: 47039 | Brand: Dorman

#### PRODUCT OVERVIEW

The Dorman 47039 PCV Elbow is a direct replacement component designed to match the fit and function of the original PCV elbow on specified vehicles. It is engineered for durability and reliable performance, restoring proper crankcase ventilation system functionality.



Figure 1: Front view of the Dorman 47039 PCV Elbow, showing its angled design and connection points.

#### INSTALLATION (SETUP)

This PCV elbow is designed for direct replacement. Professional installation is recommended. Always consult your vehicle's service manual for specific instructions and safety precautions before beginning any automotive repair.

#### Required Tools (Typical):

- Gloves
- Safety Glasses
- Basic hand tools (e.g., pliers, screwdriver, depending on vehicle access)

### **Installation Steps:**

1. Ensure the engine is cool and the vehicle is safely parked with the ignition off.
2. Locate the existing PCV elbow on your vehicle. Its location varies by make and model, but it is typically connected to the PCV valve or a hose leading to the intake manifold/air cleaner.
3. Carefully disconnect any hoses or components attached to the old PCV elbow.
4. Remove the old PCV elbow. It may be a press-fit or secured with a clamp.
5. Inspect the mating surfaces and surrounding components for any damage or debris. Clean if necessary.
6. Install the new Dorman 47039 PCV Elbow, ensuring a snug and secure fit.
7. Reconnect any hoses or components that were removed.
8. Verify all connections are tight and free from leaks.
9. Start the engine and check for proper operation and no warning lights related to the PCV system.



Figure 2: Side view of the Dorman 47039 PCV Elbow, showing the part number "5047039" molded into the rubber.

## OPERATION

The PCV (Positive Crankcase Ventilation) elbow is a passive component of your vehicle's emission control system. Its primary function is to provide a sealed connection within the PCV system, allowing crankcase gases to be recirculated into the engine's

intake manifold to be burned, rather than vented into the atmosphere. This helps maintain engine efficiency and reduce emissions. Once installed correctly, the elbow operates continuously as part of the PCV system, facilitating the flow of gases. It does not require active user interaction during vehicle operation.

## **MAINTENANCE**

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Regular inspection of the PCV system, including the elbow, is recommended as part of routine vehicle maintenance. Over time, rubber components can degrade due to heat, oil, and environmental factors, leading to cracks or leaks.

### **Inspection:**

- Visually inspect the elbow for any signs of cracking, hardening, softening, or swelling.
- Check for oil residue or leaks around the connections of the elbow, which may indicate a poor seal.
- Ensure the elbow is securely seated and not loose.

### **Replacement:**

If the elbow shows signs of wear, damage, or leakage, it should be replaced promptly to maintain the integrity of the PCV system and prevent potential engine issues or increased emissions. The replacement procedure is the same as the initial installation.



Figure 3: Angled view of the Dorman 47039 PCV Elbow, highlighting its flexible rubber construction.

## TROUBLESHOOTING

A faulty or leaking PCV elbow can lead to various issues with your vehicle's engine performance and emissions. Common

symptoms include:

- **Engine Misfires or Rough Idling:** An unmetered air leak through a cracked elbow can disrupt the air-fuel mixture.
- **Increased Oil Consumption:** A compromised PCV system can lead to improper crankcase ventilation, potentially causing oil leaks or consumption.
- **Check Engine Light:** In some cases, a significant vacuum leak from a damaged elbow can trigger a "Check Engine" light with related diagnostic trouble codes (DTCs).
- **Hissing Sound:** A noticeable hissing sound from the engine bay may indicate a vacuum leak from the elbow or surrounding hoses.

If you experience any of these symptoms, inspect the PCV elbow and the entire PCV system for damage or leaks. Replacement of the elbow is typically a straightforward solution for issues directly attributable to its failure.



Figure 4: Another angled view of the Dorman 47039 PCV Elbow, showing the overall shape and texture.

## SPECIFICATIONS

Attribute	Detail
Part Number	47039
Brand	Dorman
Material	Rubber (Durable construction)
Dimensions	Approximately 5.5 x 3.5 x 1.6 inches

<b>Weight</b>	Approximately 0.8 ounces
<b>Compatibility</b>	Designed for direct replacement on specified vehicles. Verify fitment using vehicle make, model, and trim level.
<b>Contents</b>	1 PCV Elbow

## WARRANTY INFORMATION

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Specific warranty details for the Dorman 47039 PCV Elbow are typically provided at the point of purchase or can be found on the official Dorman Products website. Please retain your proof of purchase for any warranty claims.

## CUSTOMER SUPPORT

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For technical assistance, installation questions, or warranty inquiries, please refer to the official Dorman Products support channels. You can often find contact information on their official website or through the retailer where the product was purchased. Visit the official Dorman Store: [Dorman Products Store on Amazon](#)

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This manual is for informational purposes only. Always exercise caution and follow proper safety procedures when working on vehicles.