

[Manuals.plus](#) /

› [Standard Motor Products](#) /

› Standard Motor Products PC772 Camshaft Position Sensor Instruction Manual

Standard Motor Products PC772

Standard Motor Products PC772 Camshaft Position Sensor Instruction Manual

Model: PC772

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Standard Motor Products PC772 Camshaft Position Sensor. Please read this manual thoroughly before attempting any installation or maintenance to ensure proper function and safety.

PRODUCT OVERVIEW

The Standard Motor Products PC772 is a high-quality camshaft position sensor designed to provide accurate readings for your vehicle's engine management system. It plays a crucial role in determining engine speed and piston position, which is vital for ignition timing and fuel injection. This sensor is manufactured to meet or exceed strict quality requirements, ensuring reliable and consistent performance.



Image: The Standard Motor Products PC772 Camshaft Position Sensor, showing its overall design and components.

SETUP AND INSTALLATION

Before You Begin

- Ensure the vehicle's ignition is off and the battery is disconnected before beginning any work.
- Refer to your vehicle's specific service manual for exact location and removal procedures of the camshaft position sensor.
- Wear appropriate personal protective equipment, including safety glasses and gloves.

Installation Steps

1. **Locate the Old Sensor:** Identify the existing camshaft position sensor on your engine. Its location varies by vehicle make and model.
2. **Disconnect Electrical Connector:** Carefully disconnect the electrical connector from the old sensor. Avoid pulling on the wires.

3. **Remove Mounting Bolt(s):** Use the appropriate wrench or socket to remove the bolt(s) securing the sensor in place.
4. **Remove Old Sensor:** Gently pull the old sensor out of its mounting bore. Be aware that some oil may leak out.
5. **Prepare New Sensor:** Inspect the new PC772 sensor for any damage. Ensure the O-ring (if present) is properly seated on the sensor body.



Image: A close-up view of the PC772 sensor tip, highlighting the red O-ring for proper sealing.

6. **Install New Sensor:** Insert the new PC772 sensor into the mounting bore. Ensure it seats fully and correctly.
7. **Secure Mounting Bolt(s):** Reinstall and tighten the mounting bolt(s) to the manufacturer's specified torque. Do not overtighten.
8. **Connect Electrical Connector:** Firmly connect the electrical connector to the new sensor until it clicks into place.

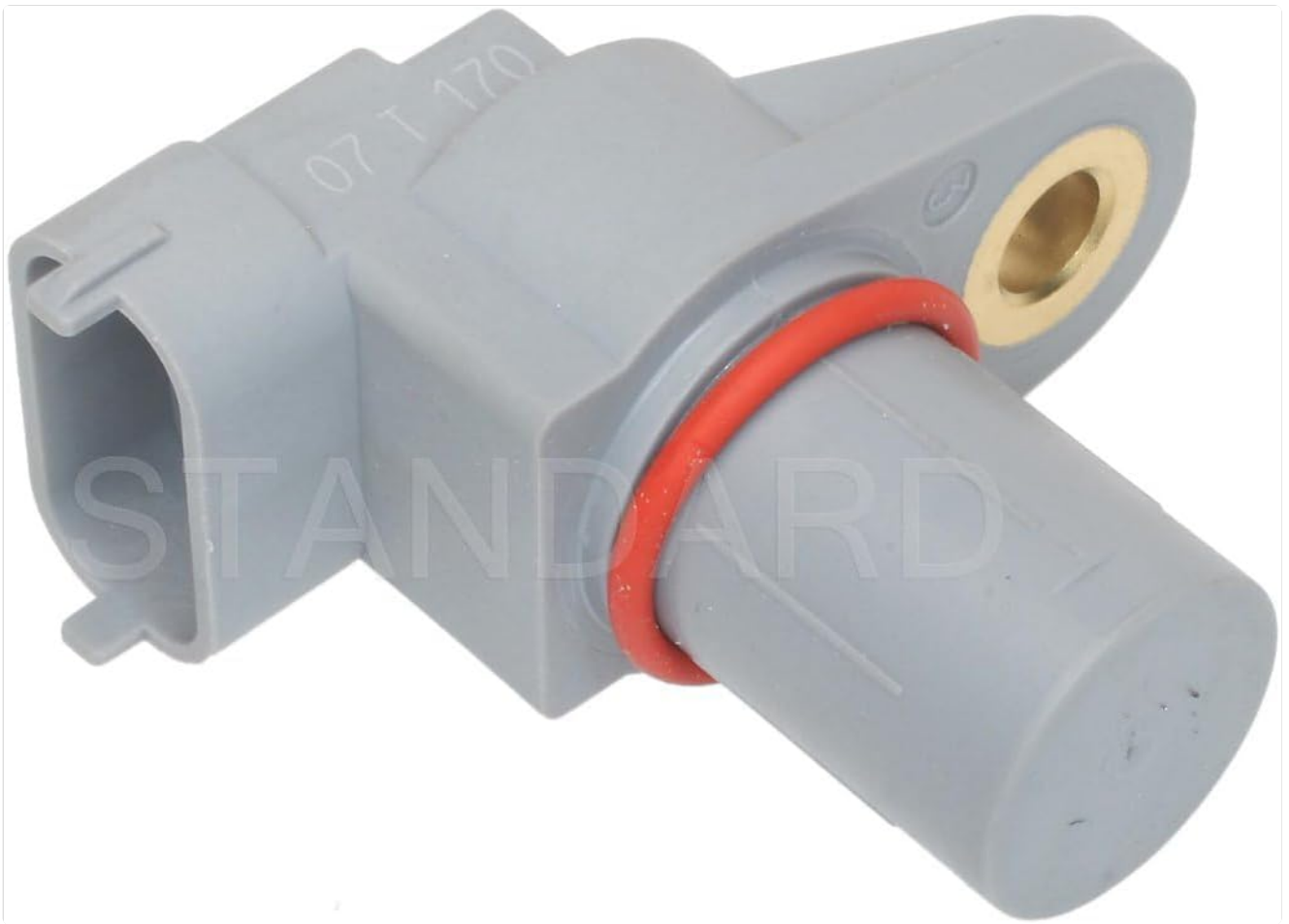


Image: A detailed view of the PC772 sensor's electrical connector pins, ensuring a secure connection.

9. **Reconnect Battery:** Reconnect the vehicle's battery.
10. **Test Operation:** Start the engine and check for proper operation and the absence of any diagnostic trouble codes (DTCs).

OPERATING PRINCIPLES

The camshaft position sensor monitors the rotational speed and position of the camshaft. This information is sent to the engine control unit (ECU), which uses it to synchronize fuel injection and ignition timing. By precisely tracking the camshaft's movement, the sensor ensures that the engine's valves open and close at the correct times relative to the piston's position, optimizing engine performance and fuel efficiency.

MAINTENANCE

Camshaft position sensors are generally maintenance-free components. However, periodic inspection during routine vehicle servicing can help identify potential issues early:

- **Visual Inspection:** Check the sensor and its wiring for any signs of physical damage, corrosion, or fraying.
- **Connector Integrity:** Ensure the electrical connector is clean, dry, and securely attached.
- **Cleanliness:** Keep the area around the sensor free from excessive dirt, oil, or debris.

If any issues are observed, it is recommended to consult a qualified automotive technician.

TROUBLESHOOTING

If you experience issues that may be related to the camshaft position sensor, consider the following common symptoms and potential causes:

- **Engine Cranks but Won't Start:** This can indicate a complete failure of the sensor, preventing the ECU from determining engine position for ignition.
- **Rough Idling or Stalling:** Intermittent signals from a faulty sensor can lead to incorrect timing, causing the engine to run poorly.
- **Reduced Fuel Economy:** Inaccurate sensor data can lead to inefficient fuel delivery and ignition.
- **Check Engine Light (CEL) Illuminated:** The ECU will often trigger a CEL and store a diagnostic trouble code (DTC) related to the camshaft position sensor (e.g., P0340).

Recommended Action: If you suspect a sensor issue, it is advisable to have the vehicle diagnosed by a professional using an OBD-II scanner to retrieve specific DTCs. This will help confirm if the camshaft position sensor is indeed the cause of the problem.

Specifications

Attribute	Value
Brand	Standard Motor Products
Model	PC772
Item Dimensions (L x W x H)	3.38 x 2 x 1.44 inches
Item Weight	1 Pounds
Mounting Type	Flange Mount
Specific Uses For Product	Camshaft Position Sensor
UPC	707390952253
Manufacturer	STANDARD IGN
Date First Available	April 22, 2009

Warranty and Support

For information regarding product warranty, returns, or technical support, please contact Standard Motor Products directly through their official website or customer service channels. Keep your purchase receipt and product model number (PC772) available when contacting support.

© 2024 Standard Motor Products. All rights reserved.

Ask a Question About This Manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Open the live page

<https://manuals.plus/asin/B0027AEBR4>

More documents and user manuals: <https://manuals.plus/>