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› [BAIXINDE Oxygen O2 Sensor 89465-33240 for Toyota Camry ACV30 ACV35 2.4L \(2006-2012\) Instruction Manual](#)

BAIXINDE 89465-33240

BAIXINDE Oxygen O2 Sensor 89465-33240 Instruction Manual

Model: 89465-33240

INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your BAIXINDE Oxygen O2 Sensor, model 89465-33240. Please read this manual thoroughly before proceeding with installation to ensure correct function and longevity of the product.

PRODUCT OVERVIEW

The BAIXINDE Oxygen O2 Sensor 89465-33240 is a critical component designed to monitor the oxygen content in your vehicle's exhaust gases. This data is then sent to the engine control unit (ECU) to optimize fuel efficiency and reduce emissions. This sensor is manufactured from high-quality materials for increased reliability and durability, ensuring accurate readings and consistent performance.



Figure 1: Overall view of the BAIXINDE Oxygen O2 Sensor 89465-33240, showing the sensor body, wiring, and electrical connector.

COMPATIBILITY

This oxygen sensor is designed as a direct replacement for OE# 89465-33240 and is compatible with various Toyota Camry models. Please verify your vehicle's specific model and year against the list below to ensure proper fitment.

- **Toyota Camry ACV30, ACV35 2.4L:** 2006-2012 models.
- **For Japan Market (2001-2005):**
 - ACV30-AEPNK 24G, JPN, 2AZFE
 - ACV30-AEPSK TOU, JPN, 2AZFE
 - ACV35-AEPNK 24G, JPN, 2AZFE
- **For General Market (2002-2006):**
 - ACV30,31,MCV30 series (e.g., ACV30L-JEMNKU, ACV30R-JEPNKT, ACV31L-JEPDKR, ACV31R-JEPNKE)

- ACV36, MCV36 series (e.g., ACV36L-DEMDKV, ACV36R-DEPVKQ)

Refer to your vehicle's service manual or consult a qualified mechanic to confirm the exact part number required for your specific vehicle configuration.

INSTALLATION INSTRUCTIONS

Warning: Installation of automotive components can be complex. It is highly recommended to have this oxygen sensor installed by a qualified professional mechanic to ensure proper function and safety. Incorrect installation can lead to vehicle damage or malfunction.

- 1. Safety First:** Ensure the vehicle's engine is off and cool. Disconnect the negative terminal of the battery to prevent electrical hazards.
- 2. Locate the Old Sensor:** Identify the oxygen sensor that needs replacement. Oxygen sensors are typically located in the exhaust system, either before (upstream) or after (downstream) the catalytic converter.
- 3. Disconnect Electrical Connector:** Carefully disconnect the electrical connector from the old oxygen sensor. Avoid pulling directly on the wires.



Figure 2: Detail of the electrical connector. Ensure it is securely disconnected before removing the sensor.

- 4. Remove Old Sensor:** Use an oxygen sensor wrench or a suitable socket to loosen and remove the old sensor from the exhaust pipe or manifold. It may be tight due to heat and corrosion.
- 5. Prepare New Sensor:** Apply a small amount of anti-seize compound to the threads of the new BAIXINDE oxygen sensor. Avoid getting anti-seize on the sensor tip.



Figure 3: The sensor tip, which should not come into contact with anti-seize compound during installation.

6. **Install New Sensor:** Thread the new sensor into the exhaust opening by hand to prevent cross-threading. Once hand-tight, use the oxygen sensor wrench to tighten it to the manufacturer's specified torque. Do not overtighten.
7. **Connect Electrical Connector:** Reconnect the electrical connector firmly until it clicks into place. Ensure the connection is secure.



Figure 4: The connector pins, designed for a secure and reliable electrical connection.

8. **Reconnect Battery:** Reconnect the negative terminal of the battery.
9. **Test:** Start the engine and check for any dashboard warning lights (e.g., Check Engine Light). If the light persists, further diagnosis may be required.

OPERATION

Once installed, the BAIXINDE Oxygen O2 Sensor operates automatically as part of your vehicle's engine management system. It continuously measures the oxygen levels in the exhaust stream and sends signals to the ECU. The ECU uses this information to adjust the air-fuel mixture, ensuring optimal combustion, fuel economy, and reduced harmful emissions. No user intervention is required for its operation.

MAINTENANCE

Oxygen sensors are wear-and-tear components and do not typically require routine maintenance. Their lifespan can vary depending on driving conditions, fuel quality, and engine health. It is advisable to have your oxygen sensor checked during routine vehicle inspections, especially if you experience symptoms such as decreased fuel economy, rough idling, or an illuminated Check Engine Light.

TROUBLESHOOTING

If you encounter issues after installing the oxygen sensor, consider the following:

- **Check Engine Light Remains On:**
 - Verify all electrical connections are secure.
 - Ensure the sensor is fully tightened in the exhaust.

- A diagnostic scan tool may be needed to clear fault codes or identify other underlying issues.
- Other vehicle systems (e.g., catalytic converter, fuel system) might be causing the error.

- **Poor Engine Performance:**

- Confirm the correct sensor was installed for your vehicle's specific application.
- Inspect for exhaust leaks near the sensor, which can affect readings.

For persistent issues, professional diagnostic assistance is recommended.

SPECIFICATIONS

Brand	BAIXINDE
Model Number	89465-33240
OEM Part Number	89465-33240
Mounting Type	Flange Mount
Specific Use	Oxygen O2 Sensor
UPC	633183679963

WHAT'S IN THE BOX

The package for the BAIXINDE Oxygen O2 Sensor 89465-33240 includes:

- 1x Oxygen Sensor (Model: 89465-33240)

WARRANTY AND SUPPORT

For warranty information or technical support regarding your BAIXINDE Oxygen O2 Sensor, please refer to the seller's policies or contact the manufacturer directly. If you have any questions or require assistance, please reach out to the point of purchase or the BAIXINDE customer service team.