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### Nissan 20607-P6500

# Nissan Genuine Part 20607-P6500 O2 Sensor Bung Adapter Instruction Manual

Authentic Catalog Part from the Factory

## 1. PRODUCT OVERVIEW

The Nissan Genuine Part 20607-P6500 is an authentic Original Equipment Manufacturer (OEM) component designed to provide a secure and precise mounting point for an oxygen (O<sub>2</sub>) sensor within a vehicle's exhaust system. This part is crucial for maintaining proper exhaust gas monitoring, which contributes to optimal engine performance and emissions control. It is manufactured to Nissan's stringent quality standards, ensuring vehicle-specific compatibility and reliable operation.



**Image 1.1:** This image displays the Nissan Genuine Part 20607-P6500, an O2 sensor bung adapter. It is a hexagonal metal component with internal and external threading, designed to provide a secure mounting point for an oxygen sensor in an exhaust system. The metal appears to be a dark, possibly cast iron or steel, with visible machining marks on the threads.

## Key Features:

- **Vehicle Specific:** Engineered to fit specific Nissan models, ensuring proper function and integration.
- **Nissan Quality Assured:** Manufactured under strict quality control to meet Nissan's performance and durability standards.
- **OEM Component:** An original equipment part, not an aftermarket substitute, guaranteeing exact fit and material specifications.

## 2. SETUP AND INSTALLATION

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Installation of the O2 sensor bung adapter requires careful attention to detail and appropriate tools. It is recommended that installation be performed by a qualified automotive technician to ensure correct fitment and prevent damage to the exhaust system or the O2 sensor.

### 2.1. Pre-Installation Checks:

- Verify that the vehicle's exhaust system is cool to the touch before beginning work.
- Confirm that the part number 20607-P6500 matches the required component for your specific Nissan model.
- Gather necessary tools, which may include wrenches, a torque wrench, thread lubricant/anti-seize compound, and safety glasses.
- Inspect the adapter for any manufacturing defects or damage prior to installation.

### 2.2. Installation Procedure:

1. **Prepare the Exhaust System:** If replacing an existing bung, carefully remove the old component. Ensure the mounting surface on the exhaust pipe or manifold is clean and free of debris or damaged threads.
2. **Apply Anti-Seize:** Apply a high-temperature anti-seize compound to the external threads of the 20607-P6500 adapter. This prevents seizing due to heat and corrosion, facilitating future removal if necessary.
3. **Install the Adapter:** Thread the adapter into the exhaust pipe or manifold by hand to ensure it starts correctly and avoids cross-threading.
4. **Tighten the Adapter:** Using an appropriate wrench, tighten the adapter to the manufacturer's specified torque. Over-tightening can damage the threads or the exhaust component.
5. **Install O2 Sensor:** Apply anti-seize to the threads of the O2 sensor (if not pre-applied) and carefully thread it into the newly installed adapter. Tighten the O2 sensor to its specified torque.
6. **Check for Leaks:** After installation, start the engine and check for any exhaust leaks around the adapter and O2 sensor. Address any leaks immediately.

## 3. OPERATING PRINCIPLE

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The 20607-P6500 O2 sensor bung adapter itself does not 'operate' in the traditional sense, but rather

serves as a critical interface. Its function is to securely hold the oxygen sensor in the exhaust stream, allowing the sensor to accurately measure the oxygen content in the exhaust gases. This data is then sent to the vehicle's Engine Control Unit (ECU), which uses it to adjust the air-fuel mixture for optimal combustion, fuel efficiency, and reduced emissions.

## 4. MAINTENANCE

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As a static component of the exhaust system, the 20607-P6500 O2 sensor bung adapter requires minimal maintenance. However, periodic inspection is recommended to ensure its continued integrity.

### 4.1. Inspection:

- During routine vehicle maintenance, visually inspect the adapter for signs of corrosion, cracks, or physical damage.
- Check for any exhaust leaks around the adapter and the O2 sensor. Soot buildup or a distinct exhaust smell can indicate a leak.
- Ensure the O2 sensor remains securely threaded into the adapter.

### 4.2. Cleaning:

If necessary, gently clean any external dirt or debris from the adapter using a wire brush or appropriate cleaning solution. Avoid harsh chemicals that could damage the exhaust system components.

## 5. TROUBLESHOOTING

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Issues directly related to the O2 sensor bung adapter are typically mechanical. If you experience problems, consider the following:

- **Exhaust Leaks:** If an exhaust leak is detected around the adapter, it may indicate improper tightening, damaged threads (either on the adapter or the exhaust pipe), or a faulty gasket (if applicable). Re-tighten to specification or inspect for damage.
- **Loose O2 Sensor:** A loose O2 sensor in the adapter can lead to inaccurate readings and potential exhaust leaks. Ensure the O2 sensor is properly torqued into the adapter.
- **Damaged Threads:** If threads on the adapter or the exhaust component are stripped or cross-threaded, the adapter will not seal correctly and will require replacement or repair of the damaged threads.

If troubleshooting does not resolve the issue, consult a qualified automotive technician.

## 6. SPECIFICATIONS

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Specification	Detail
Part Number	20607-P6500
Manufacturer	Nissan
Brand	Genuine Nissan
Item Weight	0.32 ounces

OEM Part Number	20607-P6500
Material	Metal (likely steel or cast iron)
Application	O2 Sensor Mounting

## 7. WARRANTY INFORMATION

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Genuine Nissan Parts are typically covered by a limited warranty against defects in material or workmanship. The specific terms and duration of the warranty may vary. Please refer to your original purchase documentation or contact an authorized Nissan dealership for detailed warranty information applicable to part number 20607-P6500.

## 8. SUPPORT

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For technical assistance, installation guidance, or warranty claims regarding your Nissan Genuine Part 20607-P6500, please contact:

- An authorized Nissan dealership or service center.
- The seller from whom the part was purchased.

When contacting support, please have your vehicle identification number (VIN) and the part number (20607-P6500) readily available.