

BMW 07910

BMW Engine Oil Level Sensor 07910 User Manual

Genuine Original Part

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your BMW Engine Oil Level Sensor, Model 07910. This component is crucial for monitoring your vehicle's engine oil level, ensuring optimal engine performance and longevity. Please read this manual thoroughly before proceeding with installation or service.

2. SAFETY INFORMATION

Working on automotive systems can be hazardous. Always observe the following safety precautions:

- Ensure the vehicle is parked on a level surface and the engine is off and cooled down.
- Disconnect the vehicle's battery before beginning any electrical work.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Refer to your vehicle's specific service manual for detailed procedures and torque specifications.
- Engine oil can be hot and cause burns. Allow the engine to cool completely before draining oil.
- Dispose of used engine oil and parts responsibly according to local regulations.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- 1 x BMW Engine Oil Level Sensor Unit (Model 07910)
- 1 x Sealing Gasket



Figure 3.1: BMW Engine Oil Level Sensor 07910 with its original packaging, showing the sensor unit and the part number '12 61 7 607 910' on the box.

4. INSTALLATION

Installation of the engine oil level sensor typically involves working with the engine oil system. Professional installation is recommended.

4.1. Compatibility Verification

It is critical to verify the correct fitment for your specific BMW model and year. Please provide the complete Vehicle Identification Number (VIN) to an authorized BMW service center or parts specialist to confirm compatibility before installation. This sensor is compatible with various BMW models from 2002-2011, including specific 1, 3, 5, 6, 7 Series, Z4, M models, and X5/X6 variants. Refer to the product specifications for a detailed list of compatible vehicles.

4.2. Installation Steps (General Guide)

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and ensure the engine is cool. Disconnect the negative terminal of the battery.

2. **Drain Engine Oil:** Place a suitable drain pan under the oil pan. Remove the oil drain plug and allow the engine oil to drain completely.
3. **Locate and Remove Old Sensor:** The oil level sensor is typically located on the bottom or side of the engine oil pan. Disconnect the electrical connector from the old sensor. Carefully unbolt and remove the old sensor, ensuring no debris falls into the oil pan.
4. **Install New Sensor:** Clean the mounting surface on the oil pan. Install the new sealing gasket onto the new BMW Engine Oil Level Sensor 07910. Insert the new sensor into the oil pan opening and secure it with the bolts. Tighten the bolts to the manufacturer's specified torque.
5. **Reconnect Electrical Connector:** Firmly attach the electrical connector to the new sensor.
6. **Refill Engine Oil:** Reinstall the oil drain plug with a new washer and tighten to specification. Refill the engine with the correct type and amount of engine oil as specified in your vehicle's owner's manual.
7. **Final Checks:** Reconnect the battery. Start the engine and check for any oil leaks around the sensor. Allow the engine to run for a few minutes, then shut it off and recheck the oil level using the vehicle's dipstick (if equipped) and the electronic oil level measurement system.

5. OPERATION

The BMW Engine Oil Level Sensor 07910 continuously monitors the engine oil level. This digital sensor transmits data to the vehicle's engine control unit (ECU), which then displays the oil level information on the instrument cluster or iDrive system. It helps alert the driver to low oil conditions, preventing potential engine damage.

6. MAINTENANCE

The oil level sensor itself is a sealed unit and does not require routine maintenance. However, regular engine oil changes and checks are essential for the sensor's accurate operation and overall engine health. Always use BMW-approved engine oil and filters.

7. TROUBLESHOOTING

If you experience issues related to engine oil level readings, consider the following:

- **"Inactive" Oil Level Message:** This often indicates a fault with the oil level sensor or its wiring. Verify the electrical connection to the sensor. If the message persists after checking connections and ensuring the sensor is correctly installed, the sensor may be faulty and require replacement.
- **Incorrect Oil Level Readings:** Ensure the vehicle is on a level surface when checking the oil level. Allow sufficient time for the oil to settle after the engine has been running. If readings remain inaccurate, consult a qualified technician.
- **Oil Leaks:** Inspect the area around the sensor for any signs of oil leaks. A damaged or improperly installed seal can cause leaks.

For persistent issues, professional diagnostic services are recommended.

8. SPECIFICATIONS

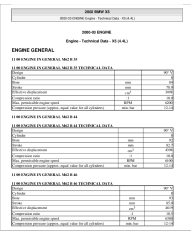


Feature	Specification
Brand	BMW
Model Number	07910

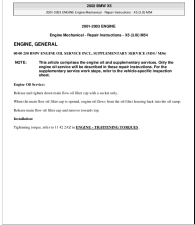
Manufacturer Part Numbers	12617607910, 12617567723, 12617540351, 12617506689
UPC	852671965962
Measurement Accuracy	±1.5%
Mounting Type	Flange Mount
Output Type	Digital
Sensing Distance	25 Centimeters
Upper Temperature Rating	482 Degrees Fahrenheit
Style	Modern

9. WARRANTY AND SUPPORT

As a genuine BMW part, this oil level sensor is covered by BMW's standard warranty for original equipment parts. For specific warranty details, please refer to your purchase documentation or contact an authorized BMW dealership or service center. For technical support or assistance with installation, it is recommended to consult a certified BMW technician or an automotive professional.

Related Documents - 07910

	<p>BMW X5 (2000-2003) M62 Engine Technical Specifications</p> <p>Detailed technical specifications for BMW X5 vehicles (2000-2003) featuring M62 engines (M62 B35, M62 B44, M62 B46). Covers engine general data, block, head, crankshaft, bearings, valves, oil pump, vibration damper, connecting rods, pistons, camshafts, and fan specifications.</p>
	<p>2011 BMW 535i Fluid Capacities and Specifications</p> <p>Comprehensive guide to fluid capacities, specifications, and notes for the 2011 BMW 535i, including engine oil, transmission fluid, brake fluid, coolant, and more. Essential maintenance information for BMW 535i owners.</p>
	<p>Cabin Air Filter Installation Instructions - Part CAF90125P for BMW X3/X4</p> <p>Step-by-step guide for installing the CAF90125P cabin air filter in BMW X3 and X4 models (2011-2017). Includes estimated installation time and important notes.</p>



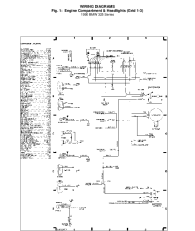
[2002 BMW X5 Engine Mechanical Repair Manual \(M54 Engine\)](#)

Detailed repair instructions for the 2002 BMW X5, focusing on engine mechanical procedures including oil service, compression testing, engine removal and installation, cylinder head work, crankshaft, camshaft, and VANOS system maintenance for the M54 engine.



[BMW Remote Engine Start: Your Guide to Pre-conditioning](#)

A comprehensive guide to BMW Remote Engine Start, covering how to purchase, activate, and use the feature via the My BMW App and in-vehicle systems for various BMW operating systems.



[1990 BMW 325 Series Wiring Diagrams](#)

Comprehensive wiring diagrams for the 1990 BMW 325 Series, covering engine, electrical systems, accessories, and more. This document provides detailed schematics for various vehicle components and their interconnections, essential for diagnosis and repair.