

## BMW 2500, 2800, 3.0, 3.3, Bavaria

# BMW 2500, 2800, 3.0 & 3.3 Owners Workshop Manual 1968-1977

Comprehensive Guide for Maintenance and Repair

## INTRODUCTION

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This Owners Workshop Manual is specifically designed for vehicle owners who wish to perform their own servicing and repairs, ensuring their BMW vehicle remains in first-class condition. It provides comprehensive, step-by-step instructions and illustrations for various operations.

This manual covers the following BMW models and production years:

- BMW 2500: 1968-1977
- BMW 2800: 1968-1971
- BMW 2800 CS and CA: 1968-1971
- BMW 3.0 S, SA, SI: 1971-1977
- BMW 3.0 CS, CSA, CSI, CSL: 1971-1975
- BMW 3.0 LA: 1975-1977
- BMW 3.3 L, LA, LIA: 1974-1977
- BMW Bavaria: 1972-1974

## PRODUCT OVERVIEW

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# BMW

## 2500 · 2800 · 3.0 · 3.3 · BAVARIA OWNERS WORKSHOP MANUAL

BMW: 2500 · 2800 · 2800 CS & CA · 3.0 S, SA, & SI  
3.0 CS, CSA, CSI & CSL · 3.0 LA  
3.3 L, LA & LIA · BAVARIA

### 1968-1977



**Covering: Engine · Fuel and Cooling Systems  
Ignition · Clutch · Transmission · Suspension  
Steering · Brakes · Electrics · Bodywork · Wiring  
Maintenance and Overhaul · Technical Data**

*Image: Front cover of the Owners Workshop Manual, displaying the BMW logo, covered models (2500, 2800, 3.0, 3.3, Bavaria), and the publication period (1968-1977). It also lists key topics covered such as Engine, Fuel and Cooling Systems, Ignition, Clutch, Transmission, Suspension, Steering, Brakes, Electrics, Bodywork, Wiring, Maintenance and Overhaul, and Technical Data.*

# CONTENTS

	Chapter	Page
The Engine	1	9
The Fuel System	2	33
The Ignition System	3	47
The Cooling System	4	55
The Clutch	5	61
The Manual Transmission	6	69
The Automatic Transmission	7	75
The Propeller Shaft, Rear Axle and Rear Suspension	8	83
The Front Suspension and Hubs	9	95
The Steering Gear	10	103
The Braking System	11	113
The Electrical System	12	127
The Bodywork	13	135
Appendix		141



A Brooklands Books Manual  
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Image: Back cover of the Owners Workshop Manual, featuring a partial table of contents. This section lists chapters such as *The Engine*, *The Fuel System*, *The Ignition System*, *The Cooling System*, *The Clutch*, *The Manual Transmission*, *The Automatic Transmission*, *The Propeller Shaft, Rear Axle and Rear Suspension*, *The Front Suspension and Hubs*, *The Steering Gear*, *The Braking System*, *The Electrical System*, *The Bodywork*, and an *Appendix*.

This manual is a comprehensive resource, providing detailed guidance for various automotive systems and components. It is published by Brooklands Books Ltd. and is an essential tool for maintaining and repairing your classic BMW.

## PREPARING FOR USE (SETUP)

Before commencing any work on your vehicle, it is crucial to prepare adequately. This manual serves as your primary reference. Ensure you have a clean, well-lit workspace and all necessary tools readily available. Always prioritize safety by wearing appropriate personal protective equipment (PPE) and disconnecting the vehicle's battery when working on electrical systems.

Familiarize yourself with the manual's layout and the specific chapter pertaining to the task you intend to perform. Understanding the diagrams and step-by-step instructions before starting will significantly improve efficiency and safety.

## USING THE MANUAL (OPERATING)

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This manual is designed for practical application. Each section provides detailed procedures for dismantling, overhauling, and assembling various components. When following instructions:

- **Read Thoroughly:** Always read the entire procedure before beginning any work.
- **Follow Steps Sequentially:** Adhere to the numbered or bulleted steps in the order presented.
- **Refer to Illustrations:** Use the accompanying diagrams and photographs to clarify steps and identify components.
- **Note Specifications:** Pay close attention to torque specifications, fluid capacities, and other technical data provided.
- **Safety First:** Always observe safety warnings and precautions mentioned throughout the manual.

The manual is structured to guide both routine maintenance and more complex repair tasks.

## MAINTENANCE AND REPAIR PROCEDURES

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This manual provides detailed instructions for maintaining and repairing various systems of your BMW. Key areas covered include:

- **Engine:** Comprehensive guidance on engine components, diagnostics, and overhaul procedures.
- **Fuel System:** Instructions for fuel delivery, carburetion/injection, and related components.
- **Ignition System:** Details on ignition timing, spark plugs, distributor, and electronic ignition components.
- **Cooling System:** Maintenance and repair of the radiator, water pump, thermostat, and hoses.
- **Clutch:** Procedures for inspection, adjustment, and replacement of clutch components.
- **Manual Transmission:** Overhaul and repair instructions for manual gearboxes.
- **Automatic Transmission:** Guidance on automatic transmission maintenance and common repairs.
- **Propeller Shaft, Rear Axle and Rear Suspension:** Detailed steps for driveline and rear suspension components.
- **Front Suspension and Hubs:** Instructions for front suspension, steering knuckles, and wheel hubs.
- **Steering Gear:** Maintenance and repair of the steering box and associated linkages.
- **Braking System:** Comprehensive coverage of disc and drum brakes, master cylinder, and hydraulic lines.
- **Electrical System:** Wiring diagrams, component testing, and repair of electrical circuits.
- **Bodywork:** Guidance on minor body repairs and panel adjustments.
- **Technical Data and Wiring Diagrams:** Essential reference information for all systems.

Each chapter provides the necessary information for dismantling, overhauling, and reassembling operations, ensuring proper vehicle function.

## TROUBLESHOOTING COMMON ISSUES

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While this manual does not contain a dedicated troubleshooting flowchart, the detailed descriptions of each system and component, along with wiring diagrams and technical specifications, are invaluable for diagnosing problems. When encountering an issue:

- **Identify Symptoms:** Clearly define the problem you are experiencing.

- **Consult Relevant Chapter:** Locate the section of the manual that pertains to the affected system (e.g., engine, brakes, electrical).
- **Review Component Function:** Understand how the components in that system are supposed to operate.
- **Perform Tests:** Use the manual's instructions to test individual components or circuits.
- **Cross-Reference Data:** Compare your findings with the technical data and specifications provided.

This systematic approach, guided by the manual's content, will assist in pinpointing the root cause of most vehicle malfunctions.

## PRODUCT SPECIFICATIONS

Publisher	Brooklands Books Ltd.
Publication Date	January 1, 1977
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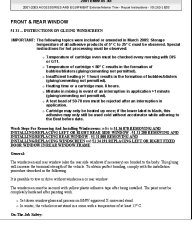
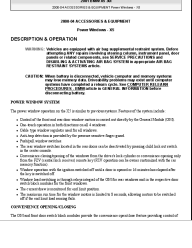

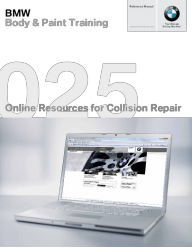
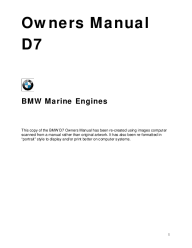
These specifications pertain to the physical manual itself. For vehicle-specific technical data, please refer to the relevant sections within the manual.

## WARRANTY AND SUPPORT

This Owners Workshop Manual is a published book providing technical information. As such, it does not come with a product warranty in the traditional sense for electronic devices or machinery. Any warranty or guarantee would typically apply to the physical quality of the book itself, as provided by the retailer or publisher at the point of purchase.

For support regarding the content of this manual or specific vehicle issues, it is recommended to consult certified automotive technicians or refer to official BMW service documentation for your specific vehicle model and year. This manual serves as a comprehensive guide for the DIY enthusiast, but professional advice should be sought for complex repairs or safety-critical systems.

For inquiries related to the publication, you may contact the publisher, Brooklands Books Ltd., directly via their official channels, which can often be found on their website or within the manual's introductory pages.

	<p><a href="#">BMW Aluminum Outer Panel Repair Techniques: A Comprehensive Guide</a></p> <p>Explore the essential techniques for repairing aluminum outer body panels on BMW vehicles. This manual covers materials science, tools, metalworking, refinishing, and protective measures for effective collision repair.</p>
	<p><a href="#">BMW X5 (E53) Windscreen and Rear Window Repair Instructions</a></p> <p>Detailed repair instructions for removing and installing windcreens and rear windows on the 2001-2003 BMW X5 30i (E53), covering adhesives, tools, safety, and procedures.</p>
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	<p><a href="#">BMW SIM Reader für Personal eSIM: Bedienungsanleitung</a></p> <p>Die offizielle Bedienungsanleitung für den BMW SIM Reader für Personal eSIM. Dieses Dokument bietet detaillierte Informationen zur Installation, Einrichtung und Nutzung des Geräts zur Verbindung mit der Personal eSIM-Funktion Ihres BMW Fahrzeugs. Erfahren Sie mehr über die Funktionen, Sicherheitshinweise und Fehlerbehebung.</p>
	<p><a href="#">BMW Body &amp; Paint Training: Online Resources for Collision Repair</a></p> <p>A comprehensive guide for BMW collision repair professionals on utilizing online resources and web applications, including CenterNet, DCSNet, AIR, and ETK, to enhance vehicle repair and maintenance processes.</p>
	<p><a href="#">BMW D7 Marine Engine Owners Manual</a></p> <p>Comprehensive owners manual for the BMW D7 marine diesel engine, covering operation, maintenance, troubleshooting, and winter lay-up procedures.</p>