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competition cars; OBJECTIVE; CONTENT; 4.1INTRODUCTION; 4.2THE ECV 3 AND ASVT; 4.3COLLABORATIVE DEVELOPMENT PROGRAMS 4.4CONCEPT CARS4.5COMPETITION CARS; 4.6RALLY CARS; 4.7 HYPERCARS; LEARNING POINTS; References; Chapter5 Component manufacture; OBJECTIVE; CONTENT; 5.1STEEL FORMABILITY; 5.2 ALUMINUM FORMABILITY; 5.3MANUFACTURE OF COMPONENTS IN MAGNESIUM; 5.4PRODUCTION OF POLYMER PARTS; LEARNING POINTS; References; Chapter 6 Component assembly: materials joining technology; OBJECTIVE; CONTENT; 6.1INTRODUCTION; 6.2WELDING; 6.3ADHESIVE BONDING; 6.4WELDBONDING; 6.5MECHANICAL FASTENING; LEARNING POINTS; References; Chapter 7 Corrosion and protection of the automotive structure; OBJECTIVE; CONTENT; 7.1 INTRODUCTION
7.2RELEVANT CORROSION PROCESSES7.3EFFECTIVE DESIGN PRINCIPLES; 7.4MATERIALS USED FOR PROTECTION OF THE BODY STRUCTURE; 7.5 EMPIRICAL VEHICLE AND LABORATORY COMPARISONS; 7.6 INTRODUCTION TO ELECTROCHEMICAL METHODS; LEARNING POINTS; References; Chapter 8 Environmental and safety considerations; OBJECTIVE; CONTENT; 8.1INTRODUCTION; 8.2EFFECT OF BODY MASS AND EMISSIONS CONTROL; 8.3LIFE-CYCLE ANALYSIS; 8.4RECYCLING AND ELV CONSIDERATIONS; 8.5HYGIENE; 8.6BIW DESIGN FOR SAFETY; LEARNING POINTS; References; Chapter9 Future trends in automotive body materials; OBJECTIVE; CONTENT; 9.1INTRODUCTION
9.2GEOGRAPHIC ASPECTS9.3QUANTITATIVE ASSESSMENT; 9.4FACTORS INFLUENCING MATERIAL CHANGE IN THE FUTURE; 9.5COMBINED EFFECT OF FACTORS ON MATERIALS UTILIZATION WITHIN 'EXPECTED' AND 'ACCELERATED' TIMESCALES; LEARNING POINTS; References; Index

Sommario/riassunto

The selection of automobile body materials is fundamental to the choice of fabrication method, and the characteristics and performance of the final vehicle or component. The factors behind these choices comprise some of the key technological and design issues facing automotive engineers today. Materials for Automobile Bodies brings together a wealth of information on automotive materials and material technologies to provide designers and vehicle body engineers with both a solid grounding and a quick reference to inform their material choices. Coverage includes materials processing, formab

2. Record Nr.	UNINA9910163204503321
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Titolo	A Circumstantial Narrative Of The Campaign In Russia
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Altri autori (Persone)	Anon
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Nota di contenuto	Intro -- Contents -- TRANSLATOR'S PREFACE. -- AUTHOR'S PREFACE -- PART I. -- BOOK I. - WILNA -- BOOK II. - WITEPSK. -- BOOK V.- MOSCOW -- PART II. -- BOOK X. - THE NIEMEN.
Sommario/riassunto	Eugene Labaume's narrative provides a detailed, firsthand account of the disastrous French campaign in Russia during 1812. As a captain of the Royal Geographical Engineers and an eye-witness, Labaume records the harrowing experiences of the troops, highlighting the strategic failures and human suffering caused by Napoleon's ambition. The book includes descriptions of key battles such as the Moskva and Malo-Jaroslavitz, and the retreat across the Beresina River. Labaume's objective is to faithfully document the events and the severe conditions faced by the soldiers, which he recounts with simplicity and candor. The narrative also serves as a cautionary tale against the perils of unchecked ambition and war. This edition, translated from French, is enriched with additional notes and illustrations, making it accessible to modern readers interested in military history and the Napoleonic Wars.