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Motor Truck Engineering Handbook (4th Revised edition)

By James William Fitch

SAE International. Hardback. Book Condition: new. BRAND NEW, Motor Truck Engineering Handbook (4th Revised edition), James William Fitch, The trucking industry is continually faced with spiraling costs which must be offset by more efficient application of equipment through improved methods and concepts in transportation. The fourth edition of the Motor Truck Engineering Handbook updates the basic truck engineering data from previous editions and introduces the latest advancements in electronic applications to truck powertrains and operations, assuring optimum performance and economy with a safer and cleaner environment. Useful data from official government tests on anti-lock brakes and traction enhance this edition. Likewise, environmental concerns are addressed through the use of non-polluting vehicles using alternative fuels and electrical energy. Chapter I- The Trucking Industry- Industry scope and truck facts; Registrations, revenues; Fundamentals of Metrics; IVHS. Chapter II- Selecting the Size and Type of Vehicle- Importance of proper selection for greater profits; International, federal, and state legal size and weight regulations; Chapter III- Road Performance- Significance of torque and horsepower; How to determine vehicle performance, speed, gradeability, acceleration and metrication; Factors affecting vehicle performance; Chapter IV- Fuel Economy and Operating Costs- Factors affecting fuel economy including engine design, lightweight materials, aerodynamics, radial tires,...


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