

Medium Heavy Truck Natef

Succeed in your career in the dynamic field of commercial truck engine service with this latest edition of the most comprehensive guide to highway diesel engines and their management systems available today! Ideal for students, entry-level technicians, and experienced professionals, MEDIUM/HEAVY DUTY TRUCK ENGINES, FUEL & COMPUTERIZED MANAGEMENT SYSTEMS, Fifth Edition, covers the full range of commercial vehicle diesel engines, from light- to heavy-duty, as well as the most current management electronics used in the industry. In addition, dedicated chapters deal with natural gas (NG) fuel systems (CNG and LPG), alternate fuels, and hybrid drive systems. The book addresses the latest ASE Education Foundation tasks, provides a unique emphasis on the modern multiplexed chassis, and will serve as a valuable toolbox reference throughout your career. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

For Sales Or Pricing Inquiries Outside Of The United States, Please Visit: [Http: //Www.Cdxauto.Com/Contactus](http://www.Cdxauto.Com/Contactus) To Access A List Of International CDX Automotive Account Managers. Diesel Technology: Steering And Suspension, Student Guide, Third Edition Consists Of Ten Units Divided Into Three Sections. Section A: Chassis, Tires, And Wheels, Addresses Cab Components, Tires, Rims, And Wheels, And Chassis Components. Section B: Steering Covers Manual And Power Steering Systems. Section C: Suspension Covers Front And Rear Suspension And Vehicle Alignment. NATEF/ASE Tasks For Heavy-Duty Truck Technician Steering And Suspension Are Taught In This Publication, And Are Identified In A Crosswalk Document In The Teacher'S Edition.

Automotive Automatic Transmission and Transaxles, published as part of the CDX Master Automotive Technician Series, provides students with an in-depth introduction to diagnosing, repairing, and rebuilding transmissions of all types. Utilizing a "strategy-based diagnostics" approach, this book helps students master technical trouble-shooting in order to address the problem correctly on the first attempt.

A clear and comprehensive description of suspension and steering systems for medium and heavy duty trucks is presented in the newest text by an internationally respected automotive trainer. The student learns basic theories and current procedures from the classroom manager and shop manual. The Classroom Manual discusses and explains every component of the systems, including the latest tractor and trailer air suspension systems. The Shop Manual details diagnosis and service procedures , provides case studies, and review questions. All NATEF and ASE suspension and steering tasks as well as safety inspection criteria are explained in the Shop Manual. ALSO AVAILABLE Instructor's Guide, ISBN: 0-8273-7285-X

Diesel Tasksheet Manual for NATEF Proficiency is designed to guide students through the tasks necessary to meet National Automotive Technicians Education Foundation (NATEF) requirements for Automotive Service Excellence (ASE) Medium Heavy Truck. Organized by ASE topic area, companion tasks are grouped together for more efficient completion and are clearly labeled with NATEF task numbers and the NATEF priority level to help students easily manage responsibilities. This manual will assist students in demonstrating hands-on performance of the skills necessary for initial training in medium heavy truck. It can also serve as a personal portfolio of documented experience for prospective employment. Used in conjunction with CDX Diesel, students will demonstrate proficiency in fundamentals, diagnosis, service, and repair. KEY FEATURES • List of required and recommended materials and equipment for each task • Critical safety issues relevant to the task • Student Notes boxes offering vital information the student needs to consider while performing the task • Time Card feature to allow students to track the time they spend on each task • Performance rating and instructor sign-off for each task • A correlation guide cross-referencing the tasks with their NATEF task numbers

Heavy-Duty Electric Vehicles: From Concept to Reality presents a step-by-step design and development guide for heavy-duty electric vehicles. It also offers practical insights based on the commercial application of an electric city bus. Heavy-duty electric vehicle design is challenging due to a lack of clear understanding of the government policies, R&D directions and uncertainty around the performance of various subsystems in an electric powertrain. Therefore, this book discusses key technical aspects of motors, power electronics, batteries and vehicle control systems, and outlines the system integration strategies necessary for design and safe operation of electric vehicles in practice. This comprehensive book serves as a guide to engineers and decision makers involved in electric vehicle development programs and assists them in finding the suitable electric powertrain solution for a given heavy-duty vehicle application. Offers an overview of various standards and regulations that guide the electric vehicle design process and a comprehensive discussion on various government policies and incentive schemes propelling the growth of heavy electric vehicle markets across the world; Provides a comparative evaluation of different electric drivetrain concepts and a step-by-step power calculation guide for heavy-duty electric powertrain; Explains material selection and manufacturing methods for next generation batteries; Discusses key elements and design rules for creating a robust high voltage energy storage system, appropriate packaging and its support systems including charging network; Includes a concise description of torque mapping, power management and fault handling strategies for inverter drive and control systems; Features case studies to better understand complex topics like charging system requirements and vehicle control system diagnostics.

The fifth edition of DELMAR'S AUTOMOTIVE SERVICE EXCELLENCE (ASE) TEST PREPARATION MANUAL for the Medium/Heavy Duty Truck T8 Preventive Maintenance exam now contains even more content so you can pass your ASE exam the first time. This manual will ensure that you understand the Preventive Maintenance task list and are fully prepared and confident to take your exam. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Comprehensive, technically accurate, and up-to-date, HEAVY DUTY TRUCK SYSTEMS, 6E is the best-selling introduction to servicing medium- and heavy-duty trucks. Now in striking full color, the sixth edition helps users develop a strong foundation in electricity and electronics, power train, steering and suspension, brakes, and accessories systems and presents introductory material on servicing, safety, tools, and preventive maintenance. This edition is updated with full coverage of ASE Education Foundation competencies and the latest technology, including 2014 J1939 updates and access tools, Wingman radar, CMS, and Allison TC10 transmissions (introduced in 2013). The book's proven pedagogy is enhanced by extensive sets of review questions and over 1700 full-color photographs and pieces of art that help readers visualize key concepts and servicing procedures. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Presents policies, procedures, program standards, task list, and tools and equipment for the certification of medium/heavy truck technician training programs. Nine strands: Administration, Learning Resources, Finances, Student Services, Instruction, Equipment, Facilities, Instructional Staff, Cooperative Agreements. NATEF Task List defines safety and performance procedures for eight areas of truck repair: Gasoline Engines; Diesel Engines; Drive Train; Brakes; Suspension and Steering; Electrical/Electronic Systems; Heating, Ventilation and Air Conditioning; Preventive Maintenance Inspection. Today's diesel vehicles integrate electrical and electronic controls within all major systems, making a thorough understanding of current technology essential for success as a diesel technician. Bell's MODERN DIESEL TECHNOLOGY: ELECTRICITY AND ELECTRONICS, Second Edition, provides this understanding through clear explanations of fundamental principles, detailed coverage of the latest engines and equipment, abundant real-world examples, and the technical accuracy and depth of detail that professional technicians demand. An engaging writing style and highly visual layout make the material easier to master, while a strong focus on practical applications and problem-solving help readers readily use what they learn in the shop. Now updated with a visually appealing, two-color design and new material to reflect the latest technology and practices, this proven guide is an essential resource for aspiring and professional diesel technicians alike. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A clear and comprehensive description of suspension and steering systems for medium and heavy duty trucks is presented in the newest text by an internationally respected automotive trainer. The student learns basic theories and current procedures from the classroom manager and shop manual. The Classroom Manual discusses and explains every component of the systems, including the latest tractor and trailer air suspension systems. The Shop Manual details diagnosis and service procedures, provides case studies, and review questions. All NATEF and ASE suspension and steering tasks as well as safety inspection criteria are explained in the Shop Manual. ALSO AVAILABLE Classroom Manager, ISBN: 0-8273-7286-8

Fundamentals of Mobile Heavy Equipment provides students with a thorough introduction to the diagnosis, repair, and maintenance of off-road mobile heavy equipment. With comprehensive, up-to-date coverage of the latest technology in the field, it addresses the equipment used in construction, agricultural, forestry, and mining industries.

Based on the 2014 National Automotive Technicians Education Foundation (NATEF) Medium/Heavy Truck Tasks Lists and ASE Certification Test Series for truck and bus specialists, Fundamentals of Medium/Heavy Duty Commercial Vehicle Systems is designed to address these and other international training standards. The text offers comprehensive coverage of every NATEF task with clarity and precision in a concise format that ensures student comprehension and encourages critical thinking. Fundamentals of Medium/Heavy Duty Commercial Vehicle Systems describes safe and effective diagnostic, repair, and maintenance procedures for today's medium and heavy vehicle chassis systems, including the most current, relevant, and practical coverage of: * Automated transmissions * Braking system technology used in vehicle stability, collision avoidance, and new stopping distance standards * Hybrid drive powertrains * Advanced battery technologies * On board vehicle networks and integrated chassis electrical control system * Automatic transmission drive shafts and drive axles * Charging, starting, vehicle instrumentation and chassis electrical systems * On-board diagnostic systems, electronic signal processing, and sensor operation * Steering, suspension, frames, hitching, and air conditioning systems * Environmental and fuel efficiency technologies Additional features include: * Up-to-date NATEF coverage * Support of ASE certification test preparation for medium-heavy truck and bus test series * A clear, accessible writing style * Reinforcement of concepts learned * Application to real-world practice * A wealth of photographs, illustrations, and step-by-step explanations with visual summaries

Hydraulic Systems for Mobile Equipment is intended to educate students in off-road equipment and heavy truck programs. Although the text has a primary emphasis on agricultural and construction machinery, it can empower students working in any related field of hydraulics. To this end, it teaches and is correlated to the competencies of both AED Hydraulics/Hydrostatics Standards and the NATEF Heavy Trucks Task List. Designed for education, the text contains rich pedagogical support, thorough coverage of equipment and systems from a variety of manufacturers, and high-quality photos, drawings, and schematics. The scope and approach of the book make it appropriate for all students, whether they are pursuing a certificate, associate's degree, bachelor's degree, or a master's degree. * Includes traditional hydraulic content such as fluid power principles, pumps, motors, safety, valves, filtration, accumulators, plumbing, reservoirs, coolers, and fluids. * Includes fundamental explanation of the most common types of mobile hydraulic control systems, specifically open center, pressure compensating, pre-spool load sensing pressure compensating, post spool compensation (flow sharing), negative flow control, and positive flow control. * Provides fundamental instruction on hydrostatic transmissions with the goal of providing students true comprehension of the systems.

Automotive Steering and Suspension, published as part of the CDX Master Automotive Technician Series, arms students with the basic knowledge and skills they need to accomplish a variety of tasks in the shop. Taking a "strategy-based diagnostics" approach, this book helps students master technical trouble-shooting in order to address the problem correctly on the first attempt.

MODERN DIESEL TECHNOLOGY: LIGHT DUTY DIESELS provides a thorough introduction to the light-duty diesel engine, now the power plant of choice in pickup trucks and automobiles to optimize fuel efficiency and longevity. While the major emphasis is on highway usage, best-selling author Sean Bennett also covers small stationary and mobile off-highway diesels. Using a modularized structure, Bennett helps the reader achieve a conceptual grounding in diesel engine technology. After exploring the tools required to achieve hands-on technical competency, the text explores major engine subsystems and fuel management systems used over the past decade, including the common rail fuel systems that manage almost all current light duty diesel engines. In addition, this text covers engine management systems, computer controls, multiplexing electronics, diesel emissions and the means used to control them. All generations of CAN-bus technology are examined, including the latest automotive CAN-C multiplexing and the basics of network bus troubleshooting. ASE A-9 certification learning objectives are addressed in detail. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The most complete visual guide to servicing medium- and heavy-duty truck systems Written by an expert with decades of experience as an automotive and diesel technician and instructor, Truck and Trailer Systems offers comprehensive information on medium- and heavy-duty truck service. The book begins by discussing the trucking industry, professional certifications, safety, tools, and measuring equipment. Then, each system is thoroughly covered--from electrical and lighting to brakes and transmissions. Factory procedures from the most common manufacturers for diagnosis and repair are presented along with annotated photos and diagrams. This practical, authoritative resource is essential for those starting out in the field as well as experienced professionals in need of a detailed, on-the-job reference. Chapters include: Objectives Notes Cautions Service tips Photos and diagrams Chapter reviews Truck and Trailer Systems covers: Industry safety Basic electrical Magnetism Batteries Starting system Charging system Lighting and wiring Computer systems Mobile heating, ventilation, and air-conditioning systems Tires, wheels, and wheel end systems Frames and suspensions Steering systems Trailers and fifth wheels Hydraulic brake systems Air brake foundation brakes Air brake air systems Antilock brake systems Drive lines Clutches Drive axles Single and twin countershaft manual transmissions Automated manual transmissions Automatic transmissions Allison transmission overhaul PMI Auxiliary power units

DIESEL ENGINE VIDEOS contain 57 original videos, each averaging 2 minutes in length, on topics that cover both the theory and servicing of modern diesel engines, fuel and engine management systems. Designed to accompany the Fourth Edition of Medium/Heavy Duty Truck Engines, Fuel & Computerized Management Systems, the videos provide step-by-step demonstrations of some of the key shop floor procedures undertaken by technicians. There is an emphasis on service and maintenance tasks, and up-to-date equipment and tools are used in the demonstrations. Basic engine service techniques, engine reconditioning, and operations such as connecting to a chassis data bus are covered, along with demonstrations of dynamometer test bed procedure. The videos were scripted and filmed with expert oversight at every step to insure the highest degree of authenticity and technical accuracy. They are ideally suited as attention-getting additions to the Powerpoint presentations available with Medium/Heavy Duty Truck Engines, Fuel & Computerized Management Systems, or to an instructor's own lecture materials. The video files are available on CD-ROM and come with a chart correlating them to relevant Medium/Heavy Duty Truck Engines, Fuel & Computerized Management Systems 4e chapters and to the NATEF Task List. Give your students the advantage of understanding important repair procedures before they walk in the shop!

Modern Diesel Technology: Diesel Engines is an ideal primer for the aspiring diesel technician, using simple, straightforward language and a building block approach to build a working knowledge of the modern computer-controlled diesel engine and its subsystems. The book includes dedicated chapters for each major subsystem, along with coverage devoted to dealing with fuel subsystems, and the basics of vehicle computer control systems. Fuel and engine management systems are discussed in generic terms to establish an understanding of typical engine systems, and there is an emphasis on fuel systems used in post-2007 diesel engines. Concluding with a chapter on diesel emissions and the means used to control them, this is a valuable resource designed to serve as a foundation for more advanced studies in diesel engine technology Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Harness the Latest Tools and Techniques for Troubleshooting and Repairing Virtually Any Diesel Engine Problem The Fourth Edition of Troubleshooting and Repairing Diesel Engines presents the latest advances in diesel technology. Comprehensive and practical, this revised classic equips you with all of the state-of-the-art tools and techniques needed to keep diesel engines running in top condition. Written by master mechanic and bestselling author Paul Dempsey, this hands-on resource covers new engine technology, electronic engine management, biodiesel fuels, and emissions controls. The book also contains cutting-edge information on diagnostics...fuel systems...mechanical and electronic governors...cylinder heads and valves...engine mechanics...turbochargers...electrical basics...starters and generators...cooling systems...exhaust aftertreatment...and more. Packed with over 350 drawings, schematics, and photographs, the updated Troubleshooting and Repairing Diesel Engines features: New material on biodiesel and straight vegetable oil fuels Intensive reviews of troubleshooting procedures New engine repair procedures and tools State-of-the-art turbocharger techniques A comprehensive new chapter on troubleshooting and repairing electronic engine management systems A new chapter on the worldwide drive for greener, more environmentally friendly diesels Get Everything You Need to Solve Diesel Problems Quickly and Easily • Rudolf Diesel • Diesel Basics • Engine Installation • Fuel Systems • Electronic Engine Management Systems • Cylinder Heads and Valves • Engine Mechanics • Turbochargers • Electrical Fundamentals • Starting and Generating Systems • Cooling Systems • Greener Diesels

Based On The 2014 National Automotive Technicians Education Foundation (NATEF) Medium/Heavy Truck Tasks Lists, The 2014 NATEF Edition Of CDX Medium/Heavy Vehicle Is The Most Advanced Online Learning System Ever Developed To Prepare Students For A Career In Medium And Heavy Duty Vehicle Service And Repair. This Innovative Learning System Can Be Used As A Complete Curriculum Solution To Manage And Deliver An Online Program That Is Perfectly Suited For Today'S Student. It Can Be Used As A Teaching Tool In The Classroom Or Even As A Self-Study Resource For Students To Make Up For Lost Time Or Reinforce What They Learned In The Classroom. Regardless Of How You Chose To Use It, CDX Medium/Heavy Vehicle Will Provide Students With The Engaging, Interactive Content That They Desire While Helping Educators To Eliminate Many Of The Burdens Associated With Automotive Education. CDX Medium/Heavy Vehicle, 2014 NATEF Edition Now Features: A Refreshed Interface That Improves The Way Content Is Shown And Organized. A New Media Gallery That Makes It Easy To Access All Videos, Animations, Images, Skill Drills, And Other Assets In One Area. An Integrated Fundamentals Of Medium-Heavy Duty Commercial Vehicle Systems And/Or Fundamentals Of Medium-Heavy Duty Diesel Engines Ebook And Audio Book Improved Tasksheet Tracking And Reporting Tools. The 2014 NATEF Edition Of CDX Medium/Heavy Vehicle Has Been Updated To Include: Complete, Comprehensive Coverage Of And Alignment To The Latest NATEF Medium/Heavy Truck Tasks Lists Hundreds Of New And Refreshed Videos That Feature The Latest Terminology, Technology, And Vehicle Systems. Scores Of New Interactive Animations That Allow Students To Observe The Inner Workings Of The Components And Systems While They Are Operating; Disassemble The Component Assemblies To See How They Are Constructed; And See How Systems React When There Are Faults Present. Thousands Of New Knowledge Check And Exam Questions That Make It Easy For Instructors To Pre- And Post-Test To Demonstrate And Measure Student Growth.

A practical medium- and heavy-duty truck systems Featuring more than 100 in-depth lab exercises, this hands-on guide provides the practice you need to succeed as a medium- and heavy-duty truck service technician. The labs meet and exceed NATEF standards. Every system is thoroughly covered--from electrical and lighting to brakes and transmissions. Each lab includes: Objective of the lab Safety precautions Tools needed to complete the lab Challenging review questions help to reinforce the topics covered and are patterned after the typical questions found on the ASE Medium/Heavy Duty Truck Certification tests (T3 through T8). Written by an expert with decades of experience as an automotive and diesel technician and instructor, this lab manual is the perfect companion to the comprehensive text, Truck and Trailer Systems. Truck and Trailer Systems Lab Manual covers: Vehicle identification numbers Engine, transmission, and drive axle ID tag numbers Safety Tools and measuring equipment Basic electrical Magnetism Batteries Starting system Charging system Lighting and wiring Computer systems Mobile heating, ventilation, and air-conditioning systems Tires, wheels, and wheel end systems Frames and suspensions Steering systems Trailers and fifth wheels Hydraulic brake systems Air brake foundation brakes Air brake air system Anti-lock brake systems Drive lines Clutches Drive axles Single and twin countershaft manual transmissions Automated manual transmissions Automatic transmissions Allison automatic transmissions PMI Auxiliary power units

The third edition of this best-selling comprehensive introduction to servicing medium-heavy duty trucks has been significantly updated and expanded. Coverage added includes twelve new or

expanded chapters, including a comprehensive introduction to electricity and electronics, the latest on electronic automatic transmissions, updated braking systems including ABS, and completely revised chapters on air-conditioning to make it compliant with today's standards. In addition to the revisions to the book, there is now a comprehensive support package including an all new workbook featuring numerous and practical job-sheets for lab activities.

Written by experienced technicians, MODERN DIESEL TECHNOLOGY: HEAVY EQUIPMENT SYSTEMS, Third Edition, combines universal and manufacturer-specific information within a single, reliable resource. The book's unique focus on off-highway mobile equipment systems gives readers an in-depth guide to service and repair essentials for heavy equipment, agricultural equipment, and powered lift truck technology. Detailing everything from safety to best practices, chapter coverage addresses key areas including hydraulics, heavy-duty brakes, drivetrains, steering, suspension, and track systems. Now featuring a visually appealing, full-color design, the Third Edition also includes the latest updates in computer-controlled hydraulics, GPS, electronic controls, J1939 multiplexing, and electric drive vehicle systems, providing valuable insights into important trends and technology specialty technicians need to know to master their ever-evolving trade. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Diesel Technology provides up-to-date instruction on the construction, operation, service, and repair of two- and four-stroke diesel engines. The 2001 edition includes new information on electronic engine controls and fuel injection. Coverage ranges from fundamental operation to the latest in diesel engine technology. Content relates to on- and off-road vehicles, as well as marine, agricultural, and industrial applications.

The most comprehensive guide to highway diesel engines and their management systems available today, MEDIUM/HEAVY DUTY TRUCK ENGINES, FUEL & COMPUTERIZED MANAGEMENT SYSTEMS, Fourth Edition, is a user-friendly resource ideal for students, entry-level technicians, and experienced professionals alike. Coverage includes the full range of diesel engines, from light duty to heavy duty, as well as the most current diesel engine management electronics used in the industry. The extensively updated fourth edition features nine new chapters to reflect industry trends and technology, including a decreased focus on outdated hydromechanical fuel systems, additional material on diesel electric/hydraulic hybrid technologies, and information on the principles and practices underlying current and proposed ASE and NATEF tasks. With an emphasis on today's computer technology that sets it apart from any other book on the market, this practical, wide-ranging guide helps prepare your students for career success in the dynamic field of diesel engine service. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Based on the 2014 National Automotive Technicians Education Foundation (NATEF) Medium/Heavy Truck Tasks Lists and ASE Certification Test Series for truck and bus specialists, Fundamentals of Medium/Heavy Duty Diesel Engines is designed to address these and other international training standards. The text offers comprehensive coverage of every NATEF task with clarity and precision in a concise format that ensures student comprehension and encourages critical thinking. Fundamentals of Medium-Heavy Duty Diesel Engines describes safe and effective diagnostic, repair, and maintenance procedures for today's medium and heavy vehicle diesel engines.

Designed to prepare new technicians for ASE G1 Certification, Fundamentals of Automotive Maintenance and Light Repair, Second Edition covers the foundational theory and skills necessary to prepare entry-level technicians to maintain and repair today's light duty vehicles.

Light Vehicle Diesel Engines, published as part of the CDX Master Automotive Technician Series, prepares students with practical, accessible information necessary for ASE A9 certification. Taking a "strategy-based diagnostic" approach, it covers how to maintain, diagnose, and repair light and medium-duty diesel engines, increasingly common in North American, Asian and European vehicles and trucks.

The Workbook for Diesel Engine Technology provides a thorough guide to accompany the Diesel Engine Technology textbook. It highlights information, improves understanding, and simplifies the contents of the text. Answering the workbook questions will help you remember important ideas and concepts covered in the Diesel Engine Technology textbook. The workbook contains questions that serve as an additional study guide to Diesel Engine Technology. The workbook units correlate with those in the textbook. The order of the questions follows the sequence of the textbook material. This will make it easier for you to find information in the text and also to check your answers. By studying the Diesel Engine Technology textbook and finishing the workbook, you will develop a solid background in diesel engines. Additional knowledge and experience can be gained by hands-on experience. You should take every opportunity to learn all you can about diesel engines.

Advanced Automotive Electricity and Electronics, published as part of the CDX Master Automotive Technician Series, gives students with a basic understanding of automotive electrical the additional knowledge and experience they need to diagnose and fix complex electrical systems and circuits. Focused on a "strategy-based diagnostics" approach, this book helps students master technical troubleshooting in order to address the problem correctly on the first attempt.

Thoroughly updated and expanded, Fundamentals of Medium/Heavy Diesel Engines, Second Edition offers comprehensive coverage of basic concepts and fundamentals, building up to advanced instruction on the latest technology coming to market for medium- and heavy-duty diesel engine systems.

Presents an overview of the test, provides sample questions and answers with detailed explanations, and offers tips and techniques for taking and passing the certification exam.

Medium/Heavy Truck Tasksheet Manual For NATEF Proficiency, Jones & Bartlett Learning

Fundamentals of Medium/Heavy Duty Commercial Vehicle Systems, Second Edition offers comprehensive coverage of basic concepts and fundamentals, building up to advanced instruction on the latest technology coming to market for medium- and heavy-duty trucks and buses. This industry-leading Second Edition includes six new chapters that reflect state-of-the-art technological innovations, such as distributed electronic control systems, energy-saving technologies, and automated driver-assistance systems.

Automotive technicians must learn how to safely and effectively maintain, diagnose, and repair every system on the automobile. Fundamentals of Automotive Technology provides students with the critical knowledge and essential skills to master these tasks successfully. With a focus on clarity and accuracy, the Second Edition offers students and instructors a single source of unparalleled coverage for every task from MLR through MAST. Fully updated and reorganized, the revised format enhances student comprehension and encourages critical thinking.

The Medium/Heavy Truck Tasksheet Manual for NATEF Proficiency, 2014 NATEF Edition is designed to guide students through the tasks necessary to meet National Automotive Technicians Education Foundation (NATEF) requirements for Automotive Service Excellence (ASE) certification. Based on the new 2014 National Automotive Technicians Education Foundation (NATEF) Medium/Heavy Truck Tasks Lists, this manual will assist students in demonstrating hands-on performance and proficiency in fundamentals, diagnosis, service, and repair of medium and heavy vehicles. It can also serve as a personal portfolio of documented experience for prospective employment. Medium-Heavy Vehicle Tasksheet Manual for NATEF Proficiency includes: List of required and recommended materials and

equipment for each task Critical safety issues relevant to the task Student Notes boxes offering vital information the student needs to consider while performing the task Time Card feature to allow students to track the time

Based on the 2004 NATEF Task list as part of certification standard six (6), this book includes most of the newer electronically managed diesel fuel systems that are in use today. It includes diesel starting and charging systems for complete coverage of engine electronics. It will provide readers with a great source for reference materials on system component operation and troubleshooting. Covers the basics of electricity and electronics to enable better troubleshooting and repair of the more complex electronically managed fuel systems. Also features detailed information on diesel fuel, mechanical fuel injection systems, engine tune-ups, electrical and electronic testing and measuring processes, and handling of hazardous waste material and safety in the automotive shop. For truck technicians and anyone looking for additional knowledge of diesel fuel system electronic controls.

[Copyright: 49bf04f9ed297fac38a034944adaf617](https://www.pdfdrive.com/download-free-medium-heavy-truck-natef-49bf04f9ed297fac38a034944adaf617.html)