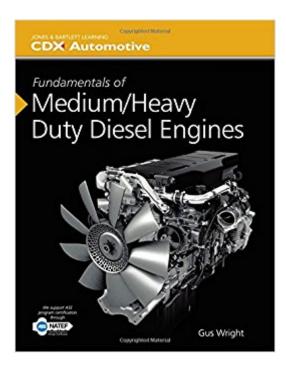


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# Fundamentals Of Medium/Heavy Duty Diesel Engines





#### Synopsis

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  $\tilde{A}\phi \hat{a} \neg \hat{a}_{,,\phi} \phi$ s medium and heavy vehicle diesel engines, including the most current, relevant, and practical coverage of: â⠬¢ HD-OBD emission diagnostics  $\tilde{A}\phi \hat{a} - \hat{A}\phi$  Common rail injection systems  $\tilde{A}\phi \hat{a} - \hat{A}\phi$  Exhaust after treatment systems, including diesel particulate filters, selective catalyst reduction (SCR), and lean NOx traps (LNT)  $\tilde{A}\phi\hat{a} - \hat{A}\phi$  Variable geometry and series turbocharging  $\tilde{A}\phi\hat{a} - \hat{A}\phi$  Exhaust gas recirculation  $\tilde{A}$ ¢â  $\neg \hat{A}$ ¢ Engine braking  $\tilde{A}$ ¢â  $\neg \hat{A}$ ¢ Major engine OEM-specific coverage of fuel, air induction, and diagnostic systems â⠬¢ Electronic signal processing and sensor technology Additional features include: â⠬¢ Up-to-date NATEF coverage â⠬¢ Support of ASE certification test preparation for diesel engine, medium-heavy truck, and bus test series  $\tilde{A}\phi \hat{a} - \hat{A}\phi \hat{c}$  a clear, accessible writing style â⠬¢ Reinforcement of concepts learned â⠬¢ Application to real-world practice  $\tilde{A}\phi \hat{a} - \hat{A}\phi A$  wealth of photographs, illustrations, and step-by-step explanations with visual summaries

#### **Book Information**

Hardcover: 1394 pages Publisher: Jones & Bartlett Learning (December 30, 2015) Language: English ISBN-10: 128406705X ISBN-13: 978-1284067057 Product Dimensions: 8.6 x 2 x 10.9 inches Shipping Weight: 1.6 pounds (View shipping rates and policies) Average Customer Review: 4.5 out of 5 stars 6 customer reviews Best Sellers Rank: #55,075 in Books (See Top 100 in Books) #9 inà Â Books > Engineering & Transportation > Automotive > Repair & Maintenance > Engines & Transmissions #11 inà Â Books > Engineering & Transportation > Automotive > Repair & Maintenance > Testing & Certification #208 inà Â Books > Engineering & Transportation > Transportation

### **Customer Reviews**

"Chapter follows NATEF standards very well. Knowledge and Skills objectives are very good and do a great job of covering expectations in the industry. Use of current technology and visuals is better than the current text we are using." ~Brent Newville, Dakota County Technical College

 $\tilde{A}$ ¢ $\hat{a} \neg A$ "Very relative and balanced. Practical real world information. It is practical information that is invaluable to the technician. $\tilde{A}$ ¢ $\hat{a} \neg A$ • ~Robbie Lindhorst, Southeastern Illinois College $\tilde{A}$ ¢ $\hat{a} \neg A$ "Information is organized in such a way which makes it easy to follow and understand. Subject area is very informative and relevant. $\tilde{A}$ ¢ $\hat{a} \neg A$ • ~Billy Phillips, Johnston Community College

very good book to get started on and lots of information that you need to know if you own a diesel pickup and any other diesel equipment

Is as described.

Great. Book

Great book. Lot of information.

Not much different than any of the other books on Diesel engines I have read. Still a good book.

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