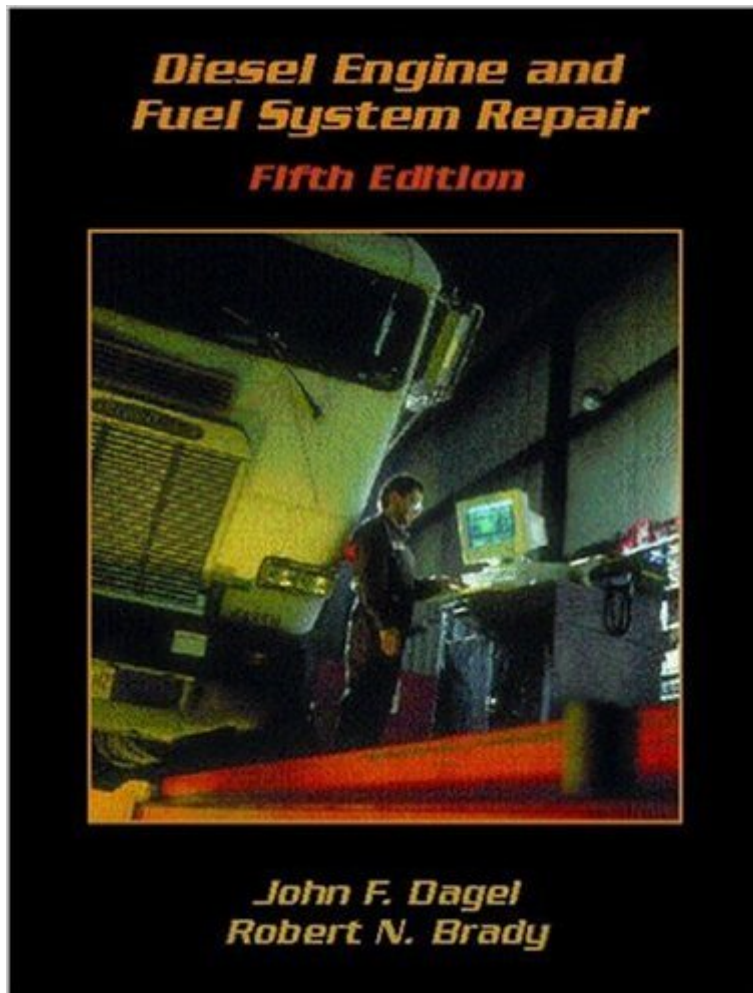


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Diesel Engine And Fuel System Repair (5th Edition)



Synopsis

One of the only references of its kind to devote chapters to the intricacies of electrical equipment in diesel engine and fuel system repair, this cutting-edge manual incorporates the latest in diesel engine technology, giving users a solid introduction to the technology, operation, and overhaul of heavy duty diesel engines and their respective fuel and electronics systems. The reference covers all aspects of technician professionalism and image, diesel engine operating fundamentals, understanding horsepower, combustion systems, engine diagnosis, cylinder blocks and liners, crankshaft, main bearings, vibration damper, pulleys, flywheels and flywheel housings, camshafts, followers/lifters, pushrods, rocker arms, and timing gear train, lubrication systems, cooling systems, air inlet/exhaust systems, general types of fuel systems, mechanical and electronic governor operations, several types of fuel systems, electrical fundamentals, alternator charging systems and electric starting motors. For automotive and diesel technicians.

Book Information

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Customer Reviews

This book is great at giving general knowledge that you can use on any diesel engine. I have done quite a bit of tinkering with gasoline engines and needed to learn specifics about diesels so that I could work on my own tractor and bull dozer. I'd already bought the manual on the dozer. It had lots of specific information about my dozer but overall was very difficult to understand. I couldn't even orient myself to the drawings. When I got done with this book I felt like I could look at any diesel engine, large or small, and understand almost everything about it. It is very well written with great

pictures and drawings. This is one of the best book investments I have ever made.

The edition I bought (two editions old) is just a mess. The author clearly inherited a book about diesel engines from the 1970s when all the fuel management was mechanical, and cobbled on material about early electronic controls. Much of the latter material appears to be copied from manufacturer's manuals without a re-write and without enough background. There is a good bit of theory, which is pretty well done, but that's only about a fifth of the book. I would recommend borrowing this book from a library, or quickly reading it at a textbook store before you buy. Maybe it's remedied in later editions, but the authors need to choose between old-school diesels and modern computer-controlled systems and write to that. Or else heavily edit this to cover just the theory and basic diagnostics, and expect instructors and students to use manufacturer's manuals for the systems they actually interact with in a lab/shop setting.

Good book to keep in the shop.

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