



# Modern Motorcycle Technology

By Edward Abdo

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MODERN MOTORCYCLE TECHNOLOGY, Second Edition takes readers on an in-depth exploration of the internal and external workings of today's motorcycles. The book begins with an overview of motorcycle technology, from a history of the vehicle to the current state of the industry. Coverage then progresses to safety measures, engine operation, internal combustion engines (2-stroke and 4-stroke), electrical fundamentals, and overall motorcycle maintenance, as well as a special chapter devoted to troubleshooting. Throughout the book, the author's straightforward writing style and extensive, full-color photos and illustrations help engage readers and bring the material to life. The Second Edition has been thoroughly updated, and includes new content on the latest motorcycle models and technology from today's top manufacturers. The new edition also features additional material on key topics such as fuel injection, suspension systems, and V-engine technology, as well as an expanded suite of separately available supplementary teaching and learning tools--including a hands-on student workbook and electronic instructor's resources. Modern Motorcycle Technology is a valuable resource for anyone seeking the knowledge and skills to succeed in today's motorcycle technology field.

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## **Editorial Review**

### Review

1. Introduction to Modern Motorcycle Technology. 2. Safety First. 3. Tools. 4. Measuring Systems, Fasteners, and Thread Repair. 5. Basic Engine Operation and Configurations. 6. Internal Combustion Engines. 7. Lubrication and Cooling Systems. 8. Fuel Systems. 9. Drives, Clutches, and Transmissions. 10. Two Stroke Engine Top End Inspection. 11. Two Stroke Engine Lower End Inspection. 12. Four Stroke Engine Top End Inspection. 13. Four Stroke Engine Lower End Inspection. 14. Electrical Fundamentals. 15. Charging Systems and DC Circuits. 16. Ignition and Electric Starting Systems. 17. Frames and Suspension. 18. Brakes, Wheels, and Tires. 19. Motorcycle Maintenance and Emission Controls. 20. Motorcycle Troubleshooting.

### About the Author

Ed Abdo has been actively involved with working on all types of engines for over 40 years. He has received extensive factory training from all of the major engine and motorcycle manufacturers and has worked as a Technician, Service Manager, and Service and Parts Director. Mr. Abdo's experience in training includes over eight years as an Instructor, Chief Instructor, and Curriculum Development Manager. He also spent 10 years with American Honda--including seven as the Assistant Manager of Service Education in Honda's Motorcycle Division, overseeing dealer training for the United States and worldwide training of distributors for products built in the USA. Currently, Mr. Abdo has his own service and repair shop in his hometown of Springville, New York.

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