

Electric and Hybrid Vehicles

By Tom Denton



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- The first book on electric and hybrid vehicles (EVs) written specifically for automotive students and vehicle owners
- Clear diagrams, photos and flow charts outline the charging infrastructure, how EV technology works, and how to repair and maintain hybrid and electric vehicles
- Optional IMI online eLearning materials enable students to study the subject further and test their knowledge

Full coverage of IMI Level 2 Award in Hybrid Electric Vehicle Operation and Maintenance, IMI Level 3 Award in Hybrid Electric Vehicle Repair and Replacement, IMI Accreditation, C&G and other EV/Hybrid courses.

The first book on electric and hybrid vehicles (endorsed by the IMI) starts with an introduction to the market, covering the different types of electric vehicle, costs and emissions, and the charging infrastructure, before moving on to explain how hybrid and electric vehicles work. A chapter on electrical technology introduces learners to subjects such as batteries, control systems and charging which are then covered in more detail within their own chapters. The book also covers the maintenance and repair procedures of these vehicles, including fault finding, servicing, repair and first-responder information. Case studies are used throughout to illustrate different technologies.



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Electric and Hybrid Vehicles By Tom Denton Bibliography

Rank: #1018634 in BooksPublished on: 2016-04-03Original language: English

• Number of items: 1

• Dimensions: 9.60" h x .50" w x 7.40" l, .0 pounds

• Binding: Paperback

• 208 pages

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Editorial Review

About the Author

Tom Denton is the leading UK automotive author with a teaching career spanning lecturer to head of automotive engineering in a large college. His range of automotive textbooks published since 1995 are bestsellers and led to his authoring of the Automotive Technician Training multimedia system that is in common use in the UK, USA and several other countries. Tom now works as the eLearning Development Manager for the Institute of the Motor Industry (IMI).

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