

Fourth Edition



# ADVANCED AUTOMOTIVE FAULT DIAGNOSIS

AUTOMOTIVE TECHNOLOGY:  
VEHICLE MAINTENANCE AND REPAIR



INSTITUTE OF THE  
MOTOR INDUSTRY

**TOM DENTON**



# Advanced Automotive Fault Diagnosis

## Automotive Technology: Vehicle Maintenance and Repair Fourth Edition

Learn all the skills you need to pass Level 3 and 4 Vehicle Diagnostic courses from IMI, City and Guilds and BTEC, as well as higher levels, ASE, AUR and other qualifications.

*Advanced Automotive Fault Diagnosis* explains the fundamentals of vehicle systems and components and examines diagnostic principles as well as the latest techniques employed in effective vehicle maintenance and repair. Diagnostics, or fault finding, is an essential part of an automotive technician's work, and as automotive systems become increasingly complex, there is a greater need for good diagnostics skills. For students new to the subject, this book will help to develop these skills, but it will also assist experienced technicians to further improve their performance and keep up with recent industry developments.

- ▶ Checked and endorsed by the Institute of the Motor Industry to ensure that it is ideal for both independent and tutor-based study
- ▶ Diagnostics case studies to help you put the principles covered into real-life context
- ▶ Useful features throughout, including definitions, key facts and 'safety first' considerations

**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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**Automotive Technology:  
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**Tom Denton**

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