



# AT-2000 - the new generation

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## eAT-303 Common Rail Diesel Fuel Injection

Common rail diesel engine with computer based courseware, fault insertion and diagnostic functions.



**Practical Exercises** on an actual common rail engine specially adapted are performed using standard measuring instruments and the AC-64 fault insertion unit.

Through **hands-on practice** in diagnostic procedures, students develop their problem-solving skills. The experience gained is invaluable and serves as the foundation for the learner's diagnostic skills.

**e-Learning Courseware** helps to eliminate time wasted in the training facility - flexible and self paced - freeing staff to concentrate on more complex topics

Supporting the practical exercises the specially designed e-Learning courses cover the underpinning principles of Common Rail Diesel Fuel System for both passenger cars and heavy commercial vehicles.

### Topics Covered

- Common rail fuel system overview
- Pre-supply pump
- High-pressure fuel pump
- Fuel rail and injectors
- Air mass meter and sensors
- Diagnostic fault-finding exercises

### CLEMS

The courses can be delivered in standalone mode or tracked using the Internet-based CLEMS (Computerized Learning and Evaluation Management System) which allows the instructor to monitor individual learner and class activities and record the learner's progress.



Contact ITE via the web site at [www.iteltd.com](http://www.iteltd.com)  
or phone +44 (0) 020 7 830 9664



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## COURSEWARE

The courseware and experiments and multi-choice question banks have been written by specialists currently employed in training and education.

Faults are inserted, via a PC, by the courseware as part of a learning assignment or by the instructor/assessor as part of an assessment exercise. The customer complaint is then displayed on the student monitor and instructions in the courseware guide the learner through the correct diagnostic procedures.

The learners then carries out the required tests and measurements using real diagnostic equipment (Multimeter, Oscilloscope or Hand Held Diagnostic Unit) on the engine or the Electronic Break Out Box (EBOB). Based on their results the learners then make their evaluation of the actual fault.

The courseware can be customized to meet the specific needs of individual customers and the fault insertion unit fitted to any suitable common rail diesel engine.

## REQUIRED ACCESSORIES

PC – (see minimum configuration for details)

Digital Multimeter

Oscilloscope

## OPTIONAL ACCESSORIES

CLEMS - Software for monitoring and recording student progress

Distance Monitoring Software

Web camera and microphone for each instructor and student station

NOTE: In order to work with CLEMS, an Internet server is required. (Please consult your local contact for more information and minimum configuration).

## COMPUTER MINIMUM CONFIGURATION

Pentium II 350 MHz with:

64 MB RAM

40 X CD

COM1 or COM2 port

SVGA card with 8 Mbytes

Operating System:

Windows 95/98/NT/2000/XP

Microsoft Internet Explorer 5 or later

