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# AT-2000 - the new generation

## eAT-202 Diesel Engine Theory



Diesel Engine Theory is a specially created e-Learning course designed to teach the fundamentals and theories of engine starting systems to learners in a variety of environments. The theory learned in this course will prepare learners for the diagnostic troubleshooting exercises with the Smart Vehicle Fault Insertion programme as well as troubleshooting real vehicles in the workplace.

The course can be delivered as a separate module or integrated into existing provision. The 'roll on-roll off' methodology offers learners the opportunity to learn about Diesel Engine Theory as a pre-qualification exercise, prior to attending a practical course, in a learning resource centre or at their workplace.

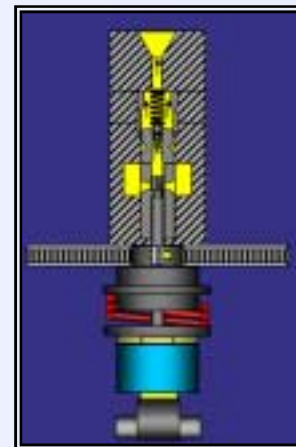
**e-Learning Courseware** helps to eliminate time wasted in the training facility - flexible and self paced - freeing staff to concentrate on more complex topics.



The 'roll on-roll off' methodology offers learners the opportunity to learn about Diesel Engine Theory as a pre-qualification exercise prior to attending a practical course, in a learning resource centre or at their workplace. The course can be easily integrated into existing curricula and courses for motor vehicle technicians.

### 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



## COURSEWARE

[www.iteltd.com](http://www.iteltd.com)

The courseware offers the learner 'on demand' access to courses on the principles and troubleshooting techniques of Diesel Engine theory.

The courseware provides the student with clear, well thought out modules on Diesel Engine principles and troubleshooting. Each lesson consists of easy-to-understand text with accompanying graphics.

Simulations show how the various components work together. Troubleshooting exercises reinforce the theory learned and test the student's comprehension of the subject matter.

### TOPICS COVERED

The history of the diesel engine  
Diesel engine construction  
The cooling system  
Valve gear  
Fuel system  
Turbo charging

The basic engine  
Type of combustion chamber  
Crankshaft  
Lubrication system  
Air system  
Inter-cooling

### OPTIONAL ACCESSORIES

CLEMS - Software for monitoring and recording learner progress

Distance Monitoring Software

Web camera and microphone for each instructor and learner 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

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