AT-2000 – the new generation

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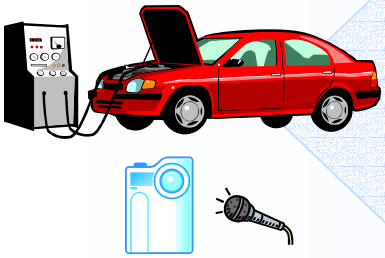
eAT-304 Smart Car Fault Insertion

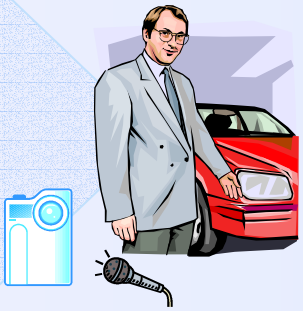
From the Training Provider

The Workshop



The learner's skills and proficiency can be assessed either in the lab or remotely through the Internet using a web cam and microphone controlled by Distance Monitoring Software.

The Dealership



Our proprietary courseware can insert up to 32 different faults in any of the following areas:

Fuel pump relay
Idle air valve
Oxygen sensor
Fuel injector
Air mass meter
Tachometer
Electronic Control Unit (ECU)
Fuel tank vent
EGR valve
Secondary air pump
Air conditioning relay
Crankshaft sensor
Speedometer signal
Throttle position switch
Air intake manifold valve
A/C compressor switch
Camshaft sensor
Distributorless ignition (DIS)
Coolant temperature sensor

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COURSEWARE

The Smart Car Fault Insertion programme bridges theory and simulation with diagnostic troubleshooting on a real Car. The programme can be connected to any suitable Car and the courseware customized to meet specific requirements - faults inserted via a PC.

The courseware is available in 3 versions:

Training - the courses are based on the NVQ Technical Certificate (Diagnostic Units) and the faults are inserted randomly via the PC
Assessment - faults are inserted via the PC and the learner uses his or her diagnostic skills to identify and remove the fault
Customised - the instructor decides which fault is inserted and can create lessons and flow charts around a particular area

Car Fault Insertion programme allows the learner to apply their knowledge of vehicle sub-systems to diagnose faults, inserted via the courseware, to correlate symptoms with actual faults.

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.

REQUIRED ACCESSORIES

Fault insertion unit including an EBOB (Electronic Break Out Box)
Customized Interconnection fault cable from the vehicle to the PC
EB-500 SW – Customized Interactive courseware
PC – (see minimum configuration for details) Digital Multimeter, Oscilloscope

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.

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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