

Course Synopsis

Title: Advanced Engine Management (AM4) Level 4

Course Code: TTS AM4

Career Dev. Level: 4

Duration: 2 Day

Pre-Requisite: Automotive Electrics (AE2), Electrical Diagnosis (ED3) & Engine Management (EM3) level 3

Section: Technician, General Mechanical

Target Audience: Technicians at or aiming for level 4 competency or failure in an ATA assessment

Aims: To diagnose and carry out repairs on Engine Management systems using all available technical information and special tools to achieve optimum performance through fix it right first time methodology

Objectives: At the end of the programme, the delegates will be able to:

- Demonstrate an understanding on all aspects of diesel and petrol engine management systems
- Demonstrate an ability to analyze and diagnose complex concerns on engine management systems
- Show an ability to work with limited diagnostic support to achieve a correct diagnosis
- Demonstrate an understanding of EOBD systems
- Apply all the knowledge gained to the end test

Content:

- EOBD
- Emission Standards
- Fault Detection
- System Monitoring
- DTC Troubleshooting
- Petrol Engine Management
- Fuel Injection Management
- Fuel Trim
- Correction Coefficients
- Diesel Engine Management
- CPF System
- SCR System

Method: Delegate Centred with classroom theory sessions
Pre Test
Worksheet assessment
End Test

Location: Training Centre Salisbury

Additional/follow on ATA/TTS Training TTS level 4 technical course; AC4, CC4
ATA Assessment level 4