

**5101-04-303 Advanced Diagnostics for Mobile Air Conditioning Systems
(2 days)**

After this course the candidate will be able to:

- 1 Demonstrate an understanding of the function, layout and operating principles of Mobile Air Conditioning Systems, components, equipment, tools, materials and procedures required for system diagnoses
- 2 Demonstrate an understanding of the principles of operation, purpose, construction, diagnosis, removal, refitting and maintenance of Mobile Air Conditioning components
- 3 Diagnose faults via gauge pressure interpretation, system diagnostics and repair procedures for either Thermal Expansion Valve or Fixed Orifice Tube Mobile Air Conditioning systems
- 4 Demonstrate an understanding of Climate Control Systems, configurations, operations and components including diagnosis
- 5 Demonstrate an understanding of the environmental implications, legal, equipment, procedures and Health and Safety requirements for storage, refrigerant identification, refrigerant recovery, system evacuation, adding oil, refrigerant recharging, final leak detection, flushing (if applicable) and disposal of Mobile Air Conditioning refrigerants and components whilst diagnosing system