

**Course Synopsis**

<b>Title:</b>	Engine Mechanical (EM3) Level 3
<b>Course Code:</b>	TTS EM3
<b>Career Dev. Level:</b>	3
<b>Duration:</b>	2 Day
<b>Pre-Requisite:</b>	Prior work on engines, Automotive Electrical AE2 & Service and Maintenance SM2
<b>Section:</b>	Technician, General Mechanical or failure in an ATA assessment
<b>Target Audience:</b>	Technicians at or aiming for competency level 3
<b>Aims:</b>	To diagnose and carry out repairs on the engines specified using all available technical information and special tools to achieve optimum performance through fix it right first time methodology
<b>Objectives:</b>	At the end of the programme, the delegates will be able to: <ul style="list-style-type: none"><li>• Understand the operation and engine mechanical features on the selected vehicles and be able to perform fault diagnosis, disassembly, assembly and repair</li><li>• Apply the knowledge gained to the end course test</li></ul>
<b>Content:</b>	<ul style="list-style-type: none"><li>• Overview of engine components</li><li>• Cylinder heads and camshafts</li><li>• Crankshafts, connecting rods, pistons and cylinder bores</li><li>• Engine timing</li><li>• Engine ancillaries and testing</li><li>• End test</li></ul>
<b>Method:</b>	Delegate Centred with classroom theory sessions Pre Test Worksheet assessment End Test
<b>Location:</b>	Training Centre Salisbury
<b>Additional/follow on ATA/TTS Training</b>	TTS level 3 technical courses; PM3, DM3, ED3. ATA level 3 assessment TTS level 3 technical course; HVAC3 TTS level 4 technical course; AM4