



<b>Accreditation Module Title</b>	Steering & Suspension System - Inspection
<b>Module Code</b>	ATA - AOM - 074
<b>Practical Assessment Time</b>	1.0 hour
<b>On-line Knowledge Test</b>	K - 074
<b>IMI AOM Level</b>	2
<b>Module Overview</b>	<p>This module is to ensure that the candidate has the ability to carry out vehicle suspension system inspection(s) using the appropriate method, dependant on the suspension system, using the appropriate tools and equipment.</p> <p>The candidate will be able to use the appropriate workshop equipment (such as turntable plates), review the information to identify the processes / techniques needed to rectify suspension system faults and recommend any actions required.</p>
<b>Candidate Profile</b>	<p>This module is intended for technicians working within maintenance and repair vehicle workshop. The technician must be able to work unsupervised – ideally, they should be in full time employment with at least 3 years experience to ensure they are familiar with the techniques for vehicle servicing, inspection and system(s) diagnosis.</p>
<b>Links with Accreditation Routes and Modules</b>	
This module features in:	
<b>IMI Accreditation Route</b>	<b>IMI Accreditation Level</b>
Light Vehicle Inspection	Technician



Skills Requirements	
The candidate must demonstrate the ability to:	
1.1	Inspect a variety of suspension systems including:- McPherson strut, wishbone, solid axle
1.2	Inspect vehicle suspension spring(s)
1.3	Inspect suspension dampers / shock absorbers
1.4	Identify a range of tyre wear characteristics and the identify the possible causes
1.5	Identify a range of tyres including run flat / DOR / radial / crossply
1.6	Use Personal Protection Equipment (PPE)
1.7	Follow health and safety guidelines
1.8	Work within given time constraints

Knowledge Requirements	
The candidate must indicate a sound knowledge of:	
2.1	Tools and equipment used in the inspection of vehicles
2.2	Wheel alignment principles including the Ackerman principle
2.3	Tyre pressure monitoring systems
2.4	All suspension systems and checking operations