

## IMI Accreditation Four-Wheel Alignment - Return to Specification (AOM 012) - Level 3

This module is to assess the competence of the candidate's knowledge, skill and ability to check the vehicles four-wheel alignment / geometry. This will include ensuring that the vehicle is initially set up to the correct specifications and then using industry recognised wheel alignment equipment record the readings obtained from the vehicle and compare them against the vehicle manufacturer data.

The candidate will be required to reset the vehicle's wheel alignment to the vehicle manufacturer specification.

### Skills Requirements

The Technician must demonstrate their skills and ability to:

- Assess the vehicle for pre-existing damage prior to working on a vehicle
- Protect the vehicle prior to carrying out wheel alignment checks to prevent damage to the vehicle during the assessment
- Access and understand the vehicle manufacturer (or equivalent) repair methods / specification to enable the candidate to carry out the measurement of four wheel alignment and return the alignment to vehicle manufacturer specification
- Read and understand Material Safety Data Sheets / Material Technical Data Sheets
- Carry out an accurate four-wheel alignment check and report including basic checks (including the prerequisite check on tyres, steering and suspension, ensuring correct pressures, weight loading and ride height) to ensure the measurements obtained are accurate to compare against the vehicle manufacturer specification
- Accurately set up four-wheel alignment equipment to ensure the measurements obtained are accurate to compare against the vehicle manufacturer specification
- Carry out vehicle four-wheel alignment measurements using logical methodology throughout the process ensuring that the wheel alignment is checked in the correct order, i.e. rear to front
- Record the vehicle wheel alignment accurately in a format that is able to be read and understood by third parties
- Compare the vehicle wheel alignment measurements against the vehicle manufacturer specification
- Inspect and check vehicle components for wear and damage that are indicated through the measurements from the four-wheel alignment equipment readings
- Adjust the appropriate components to reset the vehicle wheel alignment to the vehicle manufacturer's settings in a logical sequence
- Reinststate the vehicle geometry to vehicle manufacturer's specification
- Accurately diagnose and record where rectification of steering geometry is not possible
- Use Personal Protection Equipment (PPE)
- Follow health and safety guidelines
- Work within given time constraints