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| Overview | This standard is for individuals who work on or with vehicles which have Advanced Driver Assistance Systems (ADAS) but may not maintain, service or repair these systems themselves. Examples of these job roles include sales staff, cleaners/valets, vehicle fitters or technicians who may not have specialist ADAS training. |

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| **Performance criteria**  You must be able to: | 1. select and use appropriate personal and vehicle protective equipment 2. identify the correct manufacturers information regarding the vehicle’s Advanced Driver Assistance System and the location of parts and components 3. identify associated risks when working around Advanced Driver Assistance Systems 4. carry out work activities in a way which minimises risks of damage or de-calibration to Advanced Driver Assistance Systems 5. refer any problems working on vehicles with Advanced Driver Assistance Systems to the relevant colleague promptly 6. report the work activities you have carried out on the vehicle to relevant colleagues within agreed timescales. |

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| Knowledge and understanding  You need to know and understand: | 1. the current health and safety legislation and workplace procedures relevant to workshop practices and personal and vehicle protection when working on vehicles with **Advanced Driver Assistance System** **components (ADAS)** 2. Advanced Driver Assistance Systems and the implications of working with them 3. legal requirements relating to the Advanced Driver Assistance Systems and **components** 4. the reasons for and how to access the current codes of practice in connection with Advanced Driver Assistance Systems 5. how to find, interpret and use sources of information on Advanced Driver Assistance Systems for relevant vehicles 6. the risks of causing damage to Advanced Driver Assistance System components or affecting their calibration and the consequences this could have for the vehicle’s safety 7. features of ADAS system operation 8. types of ADAS sensor and their basic functions 9. types of ADAS calibration i.e. static or dynamic 10. ADAS calibration equipment and their functions 11. the type and symptoms of sensor failure 12. your workplace procedures for:     1. the referral of problems associated with ADAS     2. reporting delays to the completion of work 13. the importance of working to agreed timescales and keeping others including customers informed of progress. |

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| Scope/range | 1. **Advanced Driver Assistance Systems**:    1. Driver safety    2. Pedestrian safety    3. Motion/stability control    4. Collision Avoidance Systems 2. **Features of an ADAS system**    1. Steering    2. Braking    3. lane departure warning    4. driver assistance and parking 3. **ADAS calibration equipment**    1. Manufacturers approved equipment    2. Target boards    3. Radar boards    4. Diagnostic equipment 4. **Sensors:**    1. Optical    2. Radar    3. Lidar    4. Ultra-sonic |

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| Glossary | *This section contains examples and explanations of some of the terms used but does not form part of the standard*.  **Driver safety**  For example, night vision, glare-free high beam and pixel light, automatic parking, blind spot monitor, driver drowsiness detector, driver monitoring system, traffic sign recognition.  **Pedestrian safety**  For example, pedestrian detection systems.  **Motion/stability control**  For example, lane change assistance, hill descent control  **Collision avoidance system**  For example, forward collision warning, surround view sound, night vision, lane departure warning.  **Agreed timescales**  Examples include manufacturers’ recommended work times, job times set by the company or a job time agreed with the customer. |

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