AURETR149 Apply knowledge of ADAS technology in vehicle pre-repair scans

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Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Application

This unit describes the skills and knowledge required to apply knowledge and key features of autonomous driver assistance systems (ADAS) when undertaking a pre-repair scan of a vehicle. It involves identifying ADAS components, undertaking a diagnostic scan of the ADAS present to identify the damage for repair, and evaluating their own knowledge of ADAS, escalating tasks to external repairers. This unit does not involve undertaking direct repairs to the ADAS or the clearing of any diagnostic trouble codes related to these systems, which are to be undertaken by authorised repairers with the required equipment and manufacturer specifications.

The unit applies to those working in the automotive service and repair industry. ADAS technology includes that used in agricultural machinery, heavy commercial vehicles, light vehicles, vessels, motorcycles, and outdoor power equipment.

Licensing, legislative, regulatory or certification requirements may apply to this unit at the time of publication.

Unit Sector

Electrical Technical - Electrical and Electronic

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Identify ADAS components used in vehicle pre-repair scan	1.1 Identify and clarify job requirements from workplace instructions 1.2 Identify information, tools and equipment required for diagnosis activity 1.3 Apply workplace procedures to locate ADAS technology and identify its components according to manufacturer

ELEMENTS	PERFORMANCE CRITERIA
	specifications
	1.4 Identify hazards and environmental issues associated with activity, assess potential risks and implement control measures in line with workplace policies and procedures
2. Identify damage to ADAS components	2.1 Identify information required to identify ADAS faults, including any limitations to workplace procedures for diagnosis and repair activity
	2.2 Carry out diagnostic scan of ADAS according to manufacturer specifications and workplace procedures
	2.3 Carry out visual inspection of components to identify any damage
	2.4 Identify and document diagnostic scan and visual inspections findings with reference to workplace procedures
	2.5 Confirm and report diagnosis findings according to workplace procedures, recording any limitations
3. Evaluate knowledge of ADAS	3.1 Check knowledge regularly with colleagues and supervisor to ensure currency and accuracy
	3.2 Identify any authorised external repairers for escalation of further diagnosis and repair
	3.3 Refer diagnostic findings to required workplace personnel
	3.4 Complete pre-repair scan documentation according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but are not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	• Locates required sources of information efficiently • Applies a sequenced plan for a specific task.
Numeracy	• Measure materials and components to determine compliance with specifications.
Oral communication	• Clarifies task instructions • Obtains information from customers and supervisors.
Reading	• Interprets ADAS-related information in manufacturer specifications or equivalent documentation.
Planning and organising	• Plans own work requirements • Escalates actions to required workplace personnel to achieve

SKILL	DESCRIPTION
	outcomes • Ensures tasks are completed within workplace timeframes.
Technology	• Uses tools and diagnostic equipment.

Unit Mapping Information

New unit.

Links

Companion Volume Implementation Guide is found on VETNet -
https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1