

Carry out Basic Motor Vehicle Repairs at the Roadside

Overview

This standard is about conducting basic repairs on vehicles at the roadside.

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Performance criteria

You must be able to:

1. identify and wear suitable Personal Protective Equipment (PPE) which complies with legislation and industry codes of practice
2. safeguard and maintain your own health and safety and that of those likely to be affected by your basic motor vehicle repair activities in accordance with current legislation
3. comply with any existing site risk assessments and carry out a dynamic risk assessment
4. undertake basic repairs at the roadside on the following: electrical systems & circuits, engine, transmission, steering, fuel, suspension, brakes, cooling systems and exhaust.
5. demonstrate the ability to repair identified faults within the system
6. select the correct method of repair from the appropriate manual or other media
7. perform a re-test to ensure the repair is successful
8. use safe working practices when dealing with test equipment and tools
9. take prompt and effective corrective actions to resolve any errors within the limits of your workplace responsibilities

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Knowledge and understanding

You need to know and understand:

1. basic system features and operation including fundamentals of electrical systems & circuits, engine, transmission, steering, fuel, suspension, brakes, cooling systems and exhaust
2. how to recognise the repair procedure for the appropriate fault within the system
3. the vehicle repair manual or other media to determine the correct method
4. the appropriate test equipment to be used for the fault presented
5. the appropriate tools and equipment to be used for the fault presented
6. the procedures for reporting problems
7. the health and safety requirements relevant to repair procedures

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