

Overview

This standard is about the straightforward removal and fitting of mechanical, electrical and trim (MET) components to vehicles. It is also about checking the operation of the components fitted.

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**Performance
criteria**

- You must be able to:
- P1 use the appropriate Personal Protective Equipment (PPE) when removing and fitting Mechanical, electrical and trim (MET) components
 - P2 protect the vehicle and its contents effectively when removing and fitting Mechanical, electrical and trim (MET) components
 - P3 select and use the correct tools and equipment for the components you are going to remove or fit
 - P4 ensure that the tools and equipment you require are in a safe working condition
 - P5 remove and fit Mechanical, electrical and trim (MET) components following removal and fitting procedures, manufacturers' instructions, your workplace procedures as well as health, safety and legal requirements
 - P6 avoid damaging other components and standards on the vehicle
 - P7 store all removed components safely in the correct location and ensure no further damage occurs
 - P8 check that the components you have fitted operate correctly following the manufacturer's specification
 - P9 promptly report any additional faults or non-compliance you find during the course of your work to the relevant person(s) promptly
 - P10 promptly report any delays in completing your work to the relevant person(s)
 - P11 remove and fit Mechanical, electrical and trim (MET) components within the agreed timescale
 - P12 complete work records accurately, in the format required and promptly pass them to the relevant person(s)

Knowledge and understanding

You need to know and understand:

- K1 the health, safety and legal requirements relating to the removal and fitting of mechanical, electrical and trim (MET) components
- K2 the safety aspects relating to removing/replacing/storing pyrotechnic devices such as air bags, seat belt tensioners, head restraints and the bonnet pedestrian protection systems
- K3 your workplace procedures for the referral of problems, reporting of delays to the completion of work and completion of work records
- K4 the work that needs to be done and the standard required
- K5 the requirements for protecting the vehicle and contents from damage before, during and after removing and fitting activities
- K6 the importance of selecting, using and maintaining the appropriate personal protective equipment (PPE) when removing and fitting mechanical, electrical and trim (MET) components
- K7 how to find, interpret and use sources of information applicable to the removal and fitting of Mechanical, electrical and trim (MET) components
- K8 how to select, check and use all the tools and equipment required to remove and fit Mechanical, electrical and trim (MET) components
- K9 the procedures for removing and fitting Mechanical, electrical and trim (MET) components
- K10 the methods of storing removed parts and the importance of storing them correctly
- K11 the different types of fastenings and the reasons for their use
- K12 the need for correct alignment of components and the methods used to achieve this
- K13 the types of quality checks that can be used to ensure correct alignment and operation of components to manufacturer's specification and their purpose

Scope/range

All of the items listed below form part of this National Occupational Standard.

1. Mechanical, electrical and trim (MET) components are:

- 1.1. bumpers
- 1.2. interior/exterior lighting components
- 1.3. road wheels
- 1.4. batteries
- 1.5. bonnet and boot lid trim
- 1.6. interior trim components
- 1.7. exterior trim components
- 1.8. accessories
- 1.9. driver aids
- 1.10. occupancy safety systems

2. Tools and equipment are:

- 2.1. generic hand tools
- 2.2. manufacturer's specified and specialist tools
- 2.3. workshop equipment

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