
Overview

This standard is about removing and fitting non-permanently fixed panels and associated cab components, such as bumpers, front panels, door panels, steps and air management systems on large commercial and passenger vehicles.

Note: panels may contain safety related components

Performance criteria

You must be able to:

- P1. use the appropriate personal protective equipment when removing and fitting **body panels and cab components**
- P2. protect the vehicle, its contents and systems effectively when removing and fitting **body panels and cab components**
- P3. select and use the correct tools and equipment for the **body panels and cab components** you are going to remove and fit
- P4. ensure that the tools and equipment you require are in a safe working condition
- P5. remove and fit **body panels and cab components** following:
 - P5.1. manufacturer's methods/instructions
 - P5.2. recognised researched repair methods
 - P5.3. your workplace procedures
 - P5.4. health, safety, environmental and legal requirements
- P6. work in a way which minimises the risk of:
 - P6.1. damage to other vehicle systems, units and components
 - P6.2. contact with leakage and hazardous substances
 - P6.3. damage to your working environment
 - P6.4. injury to self and others
- P7. store all removed components safely in the correct location
- P8. realign the **body panels and cab components** you have fitted correctly in a way which regains their original manufactured tolerance.
- P9. check that the **body panels and cab components** you have fitted operate correctly following the manufacturer's specification
- P10. report any additional faults you notice during the course of your work to the relevant person(s) promptly
- P11. ensure your records are accurate, complete and passed to the relevant person(s) within the agreed timescale and in the format required
- P12. complete all activities within the agreed timescale

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- P13. report any anticipated delays in completing your work to the
relevant person(s) promptly

Knowledge and understanding

You need to know and understand:

Legislative and organisational requirements and procedures

- K1. the legal requirements relating to the vehicle (including road safety requirements)
- K2. the implications on an Operator's Licence of not carrying out repairs and inspections correctly
- K3. the legislation and workplace procedures relevant to:
 - K3.1. health and safety
 - K3.2. the environment (including waste disposal)
 - K3.3. appropriate personal and vehicle protective equipment
- K4. your workplace procedures for:
 - K4.1. recording remove/replace information
 - K4.2. the referral of problems
 - K4.3. reporting delays to the completion of work
- K5. the work that needs to be done and the standard required
- K6. the importance of documenting remove/replace information
- K7. the importance of working to agreed timescales and keeping others informed of progress
- K8. the relationship between time and costs
- K9. the importance of reporting anticipated delays to the relevant person(s) promptly
- K10. The hazards associated with working on or near high voltage electrical vehicle components

Use of technical information

- K11. how to find, interpret and use sources of information applicable to the removal and fitting of basic **body panels and cab components**
- K12. the importance of using the correct sources of technical information

Tools and equipment

- K13. how to select, check and use all the **tools and equipment** required to remove and fit basic **body panels and cab components**

Removing and fitting body panels and cab components

- K14. the different types of mechanical fixings for **body panels and cab components** and when and why they should be used
- K15. the correct procedures and processes for removing and fitting **body panels and cab components**
- K16. the need for correct alignment of panels and the methods used to achieve this

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- K17. the types of quality control checks that can be used to ensure correct alignment and contour of panels and operation of components to manufacturer's specification
 - K18. the methods of storing removed components and the importance of storing them correctly and in accordance with legal requirements

Scope/range

1. Examples of **body panels and cab components** covered in this unit are
 - 1.1. bumper
 - 1.2. front panel
 - 1.3. door panel
 - 1.4. step
 - 1.5. engine air management system
 - 1.6. cab furniture
 - 1.7. seat belts
 - 1.8. HVAC
2. **Tools and equipment** are:
 - 2.1. hand tools
 - 2.2. manufacturer's specified and specialist tools
 - 2.3. workshop equipment

Glossary

Agreed timescales:

Examples include: manufacturer's recommended work times, job times set by your company or a job time agreed with a specific customer.

Large Commercial and Passenger Vehicles:

These are medium and large goods vehicles, buses and coaches of 3500kgs gross vehicle mass (GVM) and above.

Sources of information:

Examples include: workshop manuals, manufacturer's manuals, defect forms, inspection sheets, relevant DVLA requirements, estimator reports

IMICB02

Remove and fit non-permanently fixed large commercial and passenger vehicle body panels and cab components



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