
Overview

This standard is about the removal, renewal and refitting of trim following accident damage where the work is complicated by the presence of safety systems. .

Performance criteria*You must be able to*

- P1. use the appropriate personal protective equipment when removing and refitting **trim**
- P2. protect the vehicle and its contents when removing and refitting **trim**
- P3. support your removal and replacement activities by referring to:
 - P3.1. vehicle technical data
 - P3.2. manufacturer's guidance
 - P3.3. removal and replacement procedures
 - P3.4. legal requirements
- P4. ensure that the **tools and equipment** you require are calibrated and in a safe working condition to meet manufacturer's and legal requirement
- P5. select and use the correct **tools and equipment** for the components you are going to remove or refit
- P6. remove and refit **trim** following:
 - P6.1. recognised research methods
 - P6.2. removal and refitting procedures
 - P6.3. manufacturers' instructions
 - P6.4. your workplace procedures
 - P6.5. health, safety and legal requirements
- P7. renew fittings and fasteners that are unsuitable for re-use
- P8. dispose of waste materials to conform with legal, environmental and workplace requirements
- P9. work in a way which reduces the risk of damaging other components and units on the vehicle
- P10. adapt your working practices and techniques safely to suit the needs of the job and vehicle
- P11. store all removed components safely in the correct location
- P12. prepare, connect and test all available electronic system testing equipment following manufacturer's instructions prior to use
- P13. check that the **trim** you have fitted operates correctly following the manufacturer's specification prior to release to the customer
- P14. correct any component and system operational faults within the limits of your authority

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- P15. promptly report any additional vehicle unit and component faults you find during the course of your work to the relevant person(s)
 - P16. make suitable and justifiable recommendations for further cost-effective repairs, if required
 - P17. promptly report any delays in completing your work to the relevant person(s)
 - P18. remove and refit **trim** within the agreed timescale
 - P19. 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:

Legislative and organisational requirements and procedures

- K1 the health, safety, environmental and legal requirements relating to the removal and refitting of **trim**
- K2 how the vehicle is powered and the associated health and safety risks
- K3 your workplace procedures for:
 - K3.1 the referral of problems
 - K3.2 reporting of delays to the completion of work
 - K3.3 completion of work records and the format required
 - K3.4 transportation and storage of **trim**
- K4 the requirements of manufacturer's warranty agreements
- K5 the work that needs to be done and the standard required
- K6 how and where to find relevant safety technical information
- K7 the requirements for protecting the vehicle and contents from damage before, during and after removing and refitting activities
- K8 the importance of selecting, using and maintaining the appropriate personal protective equipment when removing and refitting **trim**

Equipment

- K9 how to select, check and use all the **tools and equipment** required to remove and refit **trim**

Safety systems

- K10 the difference between active and passive safety systems
- K11 the different types of systems found in vehicles
- K12 how to work with the systems safely
- K13 how the different safety systems work in relation to each other

Removal, renewal and refitting of trim

- K14 types of **trim** commonly linked to safety systems
- K15 the construction and operation of advanced **trim** and systems
- K16 how **trim** and systems linked to them interact with other vehicle systems via multiplexing

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- K17 where to find and how to interpret and use sources of information applicable to the removal and refitting of **trim**
 - K18 the procedures necessary prior to carrying out removal and refitting of **trim**
 - K19 types of contaminants associated with accident damaged vehicles and the dangers associated with them
 - K20 the procedures for the systematic removal and refitting of **trim**
 - K21 the methods of storing removed parts and the importance of storing them safely and correctly
 - K22 the different types of fastenings used for **trim** and the reasons for their use
 - K23 single use mechanical fasteners, why they are used and the dangers of not renewing them
 - K24 the need for correct alignment of components and the methods used to achieve this
 - K25 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 the items listed below form part of the National Occupational Standard

- 1. Trim systems are:**
 - 1.1. electronic interior controls
 - 1.2. electronic exterior controls
 - 1.3. driver assist systems
 - 1.4. interior supplemental restraint systems (SRS)
 - 1.5. exterior supplemental restraint systems (SRS)

- 2. Tools and equipment are:**
 - 2.1. hand tools
 - 2.2. special purpose equipment
 - 2.3. general workshop equipment
 - 2.4. electronic testing and diagnostic equipment
 - 2.5. measuring

**Additional
Information****Glossary**

This section contains examples and explanations of some of the terms used but does not form part of the standard.

Alternative Fuel

This is defined as any type of fuel that may be used to power an internal combustion engine; examples would include LPG, bio ethanol etc.

Contaminants

Examples include: high voltage batteries and electrolyte, plastics, glass, gases, fuel and hydrocarbons

Vehicles

These can be light vehicles or commercial vehicles. In addition they may be SI, CI, Hybrid, Electric or Alternative fuel vehicles.

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| Developed by | IMI |
| Version number | 3 |
| Date approved | March 2025 |
| Indicative review date | March 2028 |
| Validity | Current |
| Status | Original |
| Originating organisation | IMI |
| Original URN | IMIMET07 |
| Relevant occupations | Mechanical, Electrical and Trim Assistant Technician (Automotive); Mechanical, Electrical and Trim Technician (Automotive) |
| Suite | Accident Repair - Mechanical, Electrical and Trim |
| Key words | Remove, Renew, Refit Trim Directly Linked to Safety Systems |