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## Overview

This standard is about removing and fitting non-permanently fixed panels such as wings, doors, bonnets, boot lids and tailgates on vehicles.

These panels contain safety/ADAS related components.

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## Performance criteria

### *You must be able to:*

P1 use the appropriate personal protective equipment (PPE) when removing and fitting non-permanently fixed body **panels** \*

***P2 protect the vehicle, its contents and systems effectively when removing and fitting non-permanently fixed body \*panels \****

***P3 select, check and use the correct \*tools and equipment*** for the components you are going to remove or fit

P4 remove and fit non-permanently fixed body **panels** following:

P4.1 manufacturers' methods/instructions

P4.2 recognised researched repair methods

P4.3 your workplace procedures

P4.4 health, safety and legal requirements

P5 avoid damaging other components, standards and **panels** on the vehicle

P6 store all removed components safely in the correct location and in accordance with relevant legislation

P7 correctly realign the components you have fitted in a way which regains their original manufactured tolerance

P8 check that the components you have fitted operate correctly following the manufacturer's specification

P9 promptly report any faults and any further damage you notice during the course of your work to the relevant person(s)

P10 promptly report any delays in completing your work to the relevant person(s)

P11 complete all activities 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 non-permanently fixed body **panels** \*

**K2 your workplace procedures for the referral of problems, reporting of delays to the completion of work and completion of work records**

**K3 the work that needs to be done and the standard required**

**K4 the relationship between time, cost and profitability**

**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 when removing and fitting non-permanently fixed body \*panels \***

**K7 how to find, interpret and use sources of information applicable to the removal and fitting of non-permanently fixed body \*panels \***

**K8 how to select, check and use all the \*tools and equipment required to remove and fit non-permanently fixed body panels \***

**K9 the different types of mechanical fixings for non-permanently fixed body \*panels** and when and why they should be used

K10 the correct procedures and processes for removing and fitting non-permanently fixed body **panels** \*

**K11 the need for correct alignment of \*panels** and the methods used to achieve this

K12 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

K13 the methods of storing removed components and the importance of storing them correctly and in accordance with legal requirements

K14 the potential implications of fitting a recycled or refurbished part

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## Scope/range

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

**1. Panels** are:

- 1.1. wings
- 1.2. doors
- 1.3. bonnets
- 1.4. boot lids
- 1.5. tailgates
- 1.6. bumpers
- 1.7. other non-structural exterior panels

**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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