| Overview | This standard is about removing, replacing and/or refitting body panels using mechanical fastening. |
Performance criteria

You must be able to:

1. identify component materials involved in the construction of the vehicle in the areas that will be worked on during repair, prior to working on the vehicle
2. use the appropriate Personal Protective Equipment (PPE) when removing and replacing body panels
3. protect the vehicle, its contents and systems effectively when removing and replacing body panels
4. inspect, prepare and use all the tools and equipment required following manufacturers’ instructions
5. remove, replace and/or refit all necessary body panels and components following the manufacturer's methods/instructions, recognised researched repair methods, your workplace procedures, the vehicle work specification as well as health, safety and legal requirements
6. seek assistance from the relevant person(s) promptly where there is the potential for your work to disturb other vehicle systems
7. store all removed components safely in the correct location and in accordance with relevant legislation
8. use replacement body panels and components which conform to the vehicle specifications for dimensions, materials and functional capability
9. use and apply sealants and anti corrosion materials conforming to the manufacturer's specification
10. ensure panels are removed and replaced minimising damage to mating surfaces (any damage caused should be correctly reinstated)
11. ensure panels are replaced without incurring damage to the vehicle systems
12. ensure all refitted body panels and components are aligned correctly with adjacent panels and fittings
13. complete all activities within the agreed timescale
14. report any anticipated delays in completion to the relevant person(s) promptly
Knowledge and understanding

You need to know and understand:

1. the health and safety legislation and workplace procedures relevant to workshop practices and Personal Protective Equipment (PPE)
2. the agreed vehicle work specification
3. the importance of working to agreed timescales and keeping others informed of progress
4. the relationship between time, cost and profitability
5. the requirements for protecting the vehicle and contents from damage before, during and after removing and fitting activities
6. your workplace procedures for the referral of problems and reporting delays to the completion of work
7. the importance of reporting anticipated delays to the relevant person(s) promptly
8. how to prepare, test and use the tools and equipment required for the removal, replacement and/or refitting of body panels and ancillary fittings
9. the properties of component materials involved in the construction of the vehicle in the areas that will be worked on during repair
10. the properties and safe use of body component sealants, adhesives and anti-corrosion materials
11. the type of sealants and anti-corrosion materials to use and the manufacturer's recommended methods for their application and thickness
12. how to apply sealants and anti-corrosion materials
13. how to interpret and use sources of information relevant to the removal and refitting of body panels
14. the need for correct alignment of panels and the methods used to achieve this
15. 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
16. how to work safely avoiding damage to the vehicle and its systems
17. the methods of storing removed components and the importance of storing them correctly and in accordance with legal requirements
18. the removal and replacement procedures for body panels using mechanical fastening techniques
19. how panel removal and refitting affects the overall body structure of the vehicle
20. the manufacturer's approved methods of working for the removal and
IMIARBBP05

Remove, Replace and/or Refit Motor Vehicle Body Panels

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

Range:

1. Body panels include combinations of 3 or more adjacent panels (Examples of this include: two doors and a wing; two wings and a bonnet; bonnet, wing and door on the same side; bumper, wing and bonnet; bonnet, wing and bolted on front panel).

2. Materials include all component materials in the repair area.

3. Fitting methods include mechanical fastening.

4. Tools and Equipment are:

   a) Workshop equipment
   b) generic hand tools
   c) manufacturer's specified and specialist tools
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