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| Overview | This standard covers the removal and installation of opening automotive glass in vehicles. These are those that clearly open, and as such have mechanisms and electrical devices, as well as seals and other fixings. |

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| **Performance criteria**  You must be able to: | 1. comply with health, safety and legal requirements and procedures at all times. 2. identify and assess any requirements that affect the installation work. 3. check replacement opening automotive glass to ensure they are not faulty or damaged and that their installation does not restrict the use of other vehicle components. 4. remove existing glass and materials carefully using correct Personal and Vehicle Protective Equipment and according to the car manufacturers instructions /company guidelines. 5. store existing materials carefully for re-installation. 6. clear all debris and surplus materials and dispose of it safely in accordance with standard operating procedures. 7. handle automotive components correctly to minimise damageand danger. 8. fit the opening automotive glass correctly and securely according to installation specifications. 9. apply specified materials correctly to provide a secure and weatherproof installation. 10. ensure the operation of components is restored correctly 11. ensure work activities that are undertaken are within one's own competence. 12. record information on the installation in the appropriate information systems. |

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| Knowledge and understanding  You need to know and understand:  You need to know and understand:  You need to know and understand:  You need to know and understand:  You need to know and understand:  You need to know and understand:  You need to know and understand:  You need to know and understand: | **Health and safety**   1. the relevant health, safety and legal responsibilities and obligations   **Components and Materials**   1. what type of components and materials should be removed from vehicles. 2. how different types of components should be removed/disabled and the correct methods to do this. 3. how different types of material should be transported and stored, 4. what are the methods for removing different types of material from the vehicle. 5. what type of debris needs to be removed from vehicles. 6. how to deal with surplus materials.   **Automotive glazing products**   1. the differences between laminated and toughened glass, the manufacturing processes and the reasons why front windscreens are almost all made of laminated glass. 2. the reasons some side and rear windows are made of laminated glass and reasons why the use of laminated glass for this purpose is minimal. 3. the implications when installing an aftermarket sunroof to a vehicle. 4. the different glass tints available and how to identify them and the problems that can occur. 5. the make-up of different specialist types of automotive glass, why it is used and how it works. 6. the purpose and meanings of glass markings. 7. the need to be aware of supplementary restraint systems (SRS), how to identify their location and the precautions to be taken when working near them.   **Opening automotive glass**   1. what is the typical range and function of opening automotive glass. 2. how to identify damaged or faulty opening automotive glass. 3. how to handle different opening automotive glass. 4. what are the correct methods for fitting and alignment of different types of opening automotive glass.   what types of material should be used to provide a secure and weatherproof installation.   1. the reset procedures following installation and where to source the relevant technical information. 2. types and purposes of vehicle membranes.   **Work**   1. what work has to be done to meet different requirements. 2. what restrictions should be imposed on the use of the vehicle after different types of work.   **Information recording**   1. what information systems should be used. 2. why it is important to use the information systems.   **Standard operating procedures**   1. the types of quality checks that can be used on completion of installation to ensure correct alignment and operation of components to manufacturer’s specification and their purpose 2. what are the standard operating procedures for different activities. 3. how and when to obtain information on the standard operating procedures.   **Problems**   1. what are the types of problems that could occur. 2. how can different types of problems be resolved. |

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| **Developed by** | IMI |
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| Date approved |  |
| Indicative review date |  |
| Validity | Under consultation |
| Status | Tailored |
| Originating organisation | Proskills |
| Original URN | PROAG8 |
| Relevant occupations | 8135 Tyre exhaust and windscreen fitters |
| Suite | Automotive glazing |
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