

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.

Remove and install opening automotive glass in vehicles

Performance criteria

- You must be able to:*
- P1 comply with health, safety and legal requirements and procedures at all times.
 - P2 identify and assess any vehicle condition that will affect the installation work.
 - P3 check replacement opening automotive glass to ensure it is not faulty or damaged and that its installation does not restrict the use of other vehicle components.
 - P4 remove existing glass and materials carefully using correct Personal and Vehicle Protective Equipment and according to the car manufacturers instructions /company guidelines.
 - P5 store existing materials carefully for re-installation.
 - P6 clear all debris and surplus materials and dispose of it safely in accordance with standard operating procedures.
 - P7 handle automotive components correctly to minimise damage and danger.
 - P8 fit the opening automotive glass correctly and securely according to installation specifications.
 - P9 apply specified materials correctly to provide a secure and weatherproof installation.
 - P10 ensure the operation of relevant vehicle components is restored correctly
 - P11 ensure work activities that are undertaken are within one's own competence.
 - P12 record information on the installation in the appropriate information systems.

Knowledge and understanding

You need to know and understand:

Health and safety

K1 the relevant health, safety and legal responsibilities and obligations

Components and Materials

K2 what type of components and materials should be removed from vehicles.

K3 how different types of components should be removed/disabled and the correct methods to do this.

K4 how different types of material should be transported and stored.

K5 the methods for removing different types of material from the vehicle.

K6 what type of debris needs to be removed from vehicles.
how to deal with surplus materials.

Automotive glazing products

K7 the differences between laminated and toughened glass, the manufacturing processes and the reasons why front windscreens are almost all made of laminated glass.

K8 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.

K9 the implications when installing an aftermarket sunroof to a vehicle.

K10 the different glass tints available and how to identify them and the problems that can occur.

K11 the make-up of different specialist types of automotive glass, why it is used and how it works.

K12 the purpose and meanings of glass markings.

K13 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

K14 the typical range and function of opening automotive glass.

K15 how to identify damaged or faulty opening automotive glass.

K16 how to handle different opening automotive glass.

K17 are the correct methods for fitting and alignment of different types of opening automotive glass.

K18 what types of material should be used to provide a secure and weatherproof installation.

K19 the reset procedures following installation and where to source the relevant technical information.

K20 the types and purposes of vehicle membranes.

Work

K21 what work has to be done to meet different requirements.

K22 what restrictions should be imposed on the use of the vehicle after different types of work.

Information recording

K23 what information systems should be used.

K24 why it is important to use the information systems.

Standard operating procedures

K25 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

K26 the standard operating procedures for different activities.

K27 how and when to obtain information on the standard operating procedures.

Problems

K28 the types of problems that could occur.

K29 how different types of problems can be resolved.

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Developed by	IMI
Version Number	2
Date Approved	March 2020
Indicative Review Date	March 2024
Validity	Current
Status	Tailored
Originating Organisation	Proskills
Original URN	PROAG8
Relevant Occupations	Tyre exhaust and windscreen fitters
Suite	Automotive Glazing
Keywords	glass; automotive; glazing; cars; vans; mobile plant; buses; coaches