



User Instruction for estimation of CABAS Heavy Glass



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1 Preface

This document is intended to describe how to calculate the repair time for glass damage with the CABAS calculation system.

2 Bonded glass

2.1 Definition

The replacement of bonded glass panes must be carried out with adapted tools and materials, in order to restore the car to its original condition with properties that are acceptable from a design and road safety perspective.

2.2 Replacement time

The replacement time for bonded glass includes the following elements:

- Removal of windscreen – Work required for cutting out the windscreen
- Cleaning windscreen – Work required for cleaning the new windscreen
- Cleaning windscreen frame – Work required for cleaning the windscreen frame and cutting away the old bead of glue
- Applying primer/activator – Work required for applying the primer or activator
- Applying glue – Work required for applying the glue
- Installation of windscreen – Work required for installing the new windscreen in the car

The replacement time also includes personal time and the distribution time required when the damage repair technician/glass repair specialist carries out other work duties that are required when replacing a windscreen. For example, driving the car in/out, preparing/cleaning tools, handling spare parts, protective equipment, fetching/returning tools, cleaning the workplace, final check. Brand-specific measures, such as wheel alignment or calibration, are not included in the replacement time.

The time that is required for exposing the glued windscreen, e.g. dismantling/installation of mouldings, wiper arms, rain sensors, air intake grilles, etc., is timed with a different time formula and displayed as separate rows in the component specification in the calculation.



3 Glass repair

3.1 Definition

Glass repair refers to restoring a damaged windscreen, with the aid of appropriate equipment and methods, to a condition that is acceptable from a design and road safety perspective.

3.2 Repair time

The repair time includes:

- Setting up/dismantling of equipment
- Repair work, e.g. drilling out, applying resin

The repair time also includes personal time and the distribution time required when the damage repair technician/glass repair specialist carries out other work duties that are required when carrying out a repair. For example, driving the car in/out, fetching/returning repair equipment, protective equipment, cleaning the workplace, final check.

It includes some waiting time for e.g. vacuum suction, although the damage repair technician/glass repair specialist is expected to carry out other work duties during this time.

Time for glass repair:

- 1 stone chip 36 periods
- 2 stone chips 62 periods
- 3 stone chips 88 periods

4 General

The times in this document are based on time studies carried out at companies operating in the industry and approved by the engine and insurance sectors. The studies have been carried out at damage repair workshops as well as glass repair specialists, with premises and equipment approved for glass work. The studies have been performed under the supervision and with the assistance of representatives from the automotive and insurance sectors. The times in the document are specified in periods (1 hour = 100 periods).

The time study has been carried out at damage repair workshops and glass repair specialists for passenger cars. The times have been adjusted for heavy vehicles.



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5 Change log

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