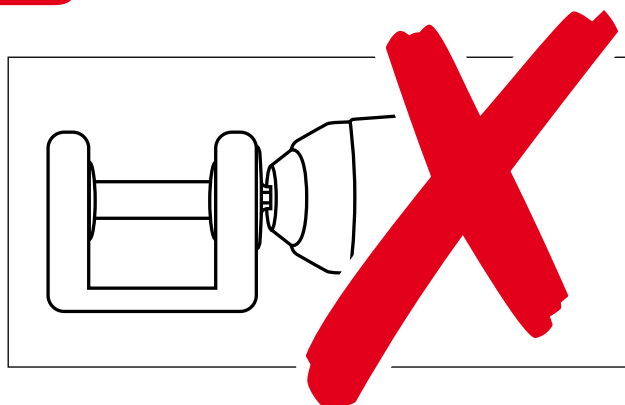
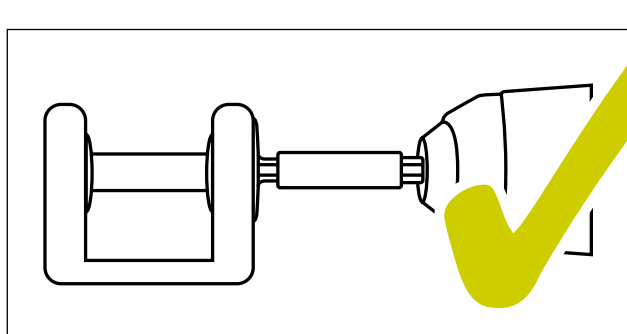


Operating instructions

Windscreen Cutting System

Part no. 622

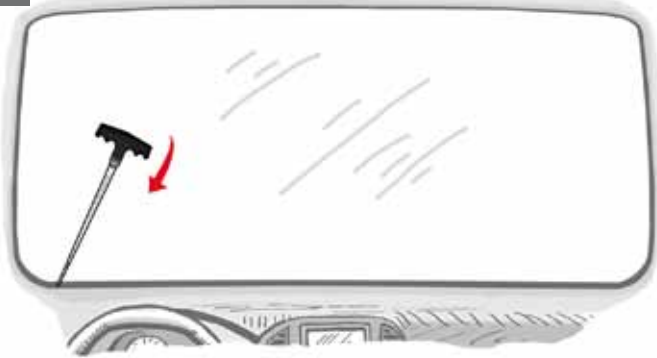


Important advice

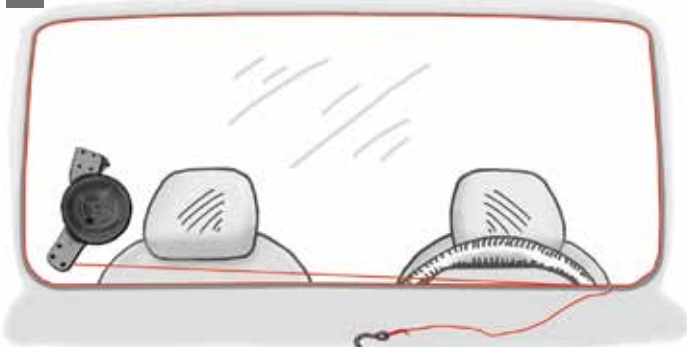
Safe working with the system is only possible if the owner's manual and the safety regulations have been read completely and are strictly followed.

- Repairs should only be carried out by professionals, having first read and taken note of the safety advice and operational instructions.
- The person authorised to carry out the repairs must wear suitable protective clothing (e.g. gloves/safety glasses).
- The tools should only be used according to the instruction manual – otherwise the warranty becomes invalid.
- Note the indications and operating procedures of car manufacturers for changing car windshields.
- Always check the ring mark on the vacuum pumps. Only a sufficient vacuum guarantees that the system will stick safe to the window.
- Try not to put the suction cup directly on cracks on big area damaged windows. The vacuum could get lost and the system fall down.
- Should the system anyway once release itself and fall down of the window, protect yourself and the car by appropriate preventive measures described in the chapter work preparation.
- The cutting cord is during cutting always on high tension. Always be aware of that the cord could snap. Use the cutting cord only once.
- Use only genuine replacement parts and cutting cord.
- Do not make any own modifications on the system or on its parts.

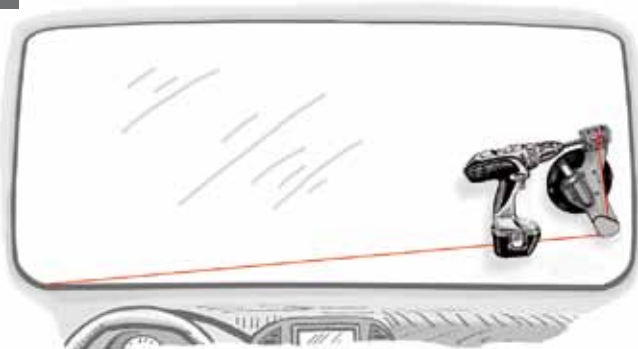
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Step-by-step instructions

Remove all attachments that could be damaged during the removal of the windscreen (e.g. windscreen wipers, borders, covers, interior mirror and connecting cables). You will also need a powerful and adjustable electric screwdriver.

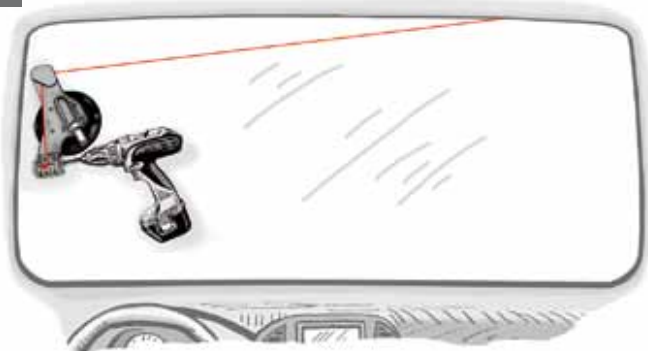
Use the piercing needle to puncture through the bottom, left-hand edge of the windscreen from the inside towards the outside of the vehicle (see diagram 1). Place the removal cord in the slit in the needle and pull the end of the cord about 1 metre into the interior of the vehicle. Then feed this end of the cord through both of the pulleys into the front of the windscreen removal device. Now feed the cord through the hole in the shaft and knot it. Secure the cord using the Allen key (5–6 turns to the right). Keep hold of the Allen key and position the device holder as in diagrams 2 & 3. Unroll the cord and place it clockwise around the outside edge of the windscreen. Make sure that the cord is positioned in the adhesive joint between the windscreen and the frame. The threading device can help in checking this. Cut the cord, making sure that you have left about 20cm of cord overlapping the initial puncture point. Tie the cord to the fastening hook (Diagram 2). Now attach the hook to a suitable point in the engine area – not the windscreen wiper shafts!

IMPORTANT: Make sure that during the removal process the cord cannot damage any appliances, cables, hoses or coverings and secure the windscreen so that it cannot fall out.

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Removal process

Always attach the removal device so that the pulleys at the front of the device are pointing to the respective corner. Use the vacuum pump to do this – pumping until the red ring is no longer visible. To detach the removal device, simply lift the edge of the rubber suction cup – always keeping hold of the device. Seen from the inside of the vehicle, the removal process takes place in an anti-clockwise direction from the bottom right hand corner – about 6–10cm from the bottom edge of the windscreen. (Diagram 3)

Screw to the right using the electric screw driver – adjusting the power depending on the resistance. During this process hold the removal protector between the removal cord and the dashboard, so that the interior of the vehicle cannot be damaged. Continue with the removal process until the removal cord has reached the bottom right hand corner.

Changing the position of the device holder.

Detach the removal device and now attach it to the top right hand corner of the windscreen. (Diagram 4). Continue the removal process as before – making sure that the removal protector is in place as described above.

On reaching the top right hand corner, change the position of the removal device again – this time attaching it to the top left hand corner. (Diagram 5) After that attach the device to the bottom left hand corner to complete the removal process.

Finally, detach the device from the windscreen and remove the fastening hook from the body of the vehicle. You can now lift out the windscreen.

For safety purposes and to preserve the warranty, the removal cord should only be used once.

Tips and Tricks

- Check before cutting on the new window any location of clips or spacers.
- The cutting procedure may be difficult on old or very cold glues. Heating it up with an air gun (max. 90°C) can help.
- The eel 2 can be heat up with the air gun. This makes passing the glue easier. Protect plastic parts from damages.
- Windows with vulcanized sealings can be removed without damaging to be reused. In this case the cutting cord has to be placed underneath the sealing. To prevent paint damages use the trim kit supplied in the set.

Any problems

Problem	Cause	Countermeasure
The cutting cord does wind up hard or even snaps.	Glue is too cold and therefore too hard	Warm up the car to room temperature Heat up the glue partially on areas where it is hard to cut with the hot air gun
	The cutting cord ran into a clip or spacer	Guide the wire around the clip or spacer
	Big quantity of glue in one spot	Heat up the area with the hot air gun
	The cutting angle is not sharp enough	Move the pulley in order to get a sharper cutting angle
	The cutting cord ran into a car body gap	Move the wire out of the gap and guide it over it
The suction cup sticks not enough to the window	The window is not free from grease or dirt	Clean the window sufficiently
	The vacuum is too small	Make sure the red ring marks are disappeared
	No vacuum is building up	Suction cup or pump is damaged and not sealing enough



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