

Replacement instructions.

axxent-DK/TBT/D:

Adjusting piece

SIEGENIA AUBI[®]
SOLUTIONS INSIDE

WINDOW HARDWARE

DOOR HARDWARE

SLIDING DOOR HARDWARE

VENTILATION AND BUILDING TECHNOLOGY

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Target group of this documentation

This documentation is intended to be used by specialists only. All work described in this document is to be performed by experienced professionals with training and practice in the assembly and adjustment of side-hung and turn-and-tilt windows with axxent fittings. Safe and proper assembly of these windows is not possible without expert knowledge.

Content of this documentation

This document describes the basic procedure for removing the window sash, the replacement of the adjusting piece, as well as the assembly and adjustment of the window sash in side-hung and turn-and-tilt windows with axxent fittings. Work additional to that described here – such as the removal and installation of centre locks – are described in our corresponding installation instructions, which can be ordered via your SIEGENIA-AUBI field sales force.

All measurements in mm unless otherwise specified.

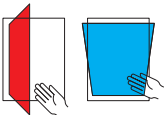
Safety Notices

- Be careful when working with windows and portal doors.
- Children and people who are unable to assess the hazards must be kept away from areas of danger.
- Do not allow lubricants to drip onto the floor and do not leave tools lying around in the work area.



Risk of injury from falling out of open windows

- Use only stable stepladders.
- Secure yourself from falling out of the window.
- Do not hold onto open window sashes.



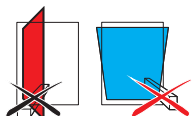
Parts of the body may get caught, resulting in injury

- When closing windows or portal doors, never place your hand in the opening between the sash and the frame.



Do not allow the sash to be pushed against the edge of the opening as this may result in injury or property damage

- Do not push the sash against the edge of the opening (window reveal).



Placing objects between the sash and the frame may result in injury or property damage

- Do not place objects in the opening between the sash and the frame.



Additional load on the sashes may result in injury or property damage

- Do not subject the sashes to additional loads.

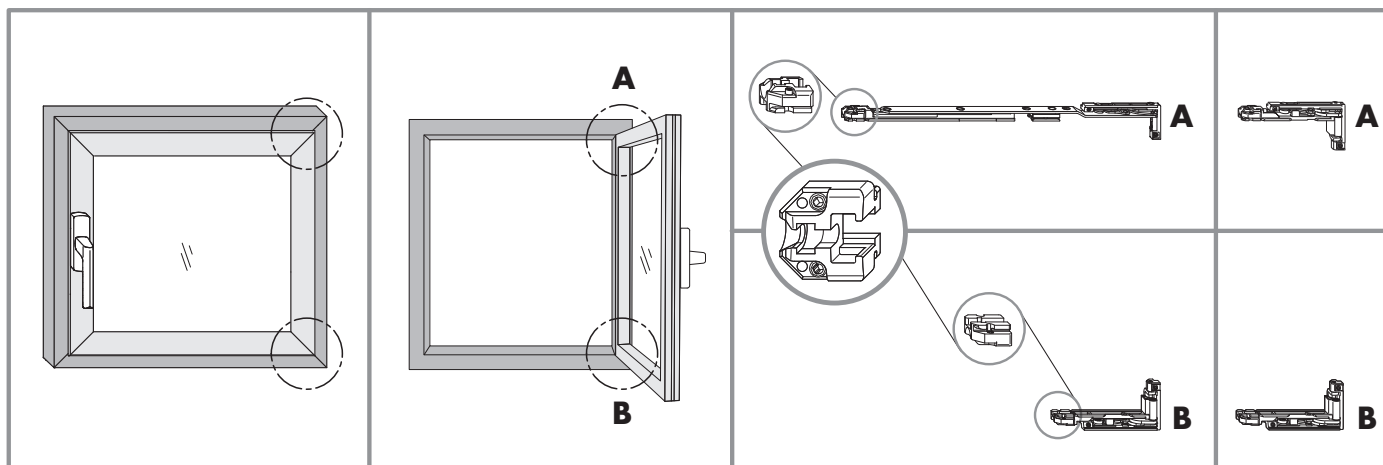


Risk of injury from wind

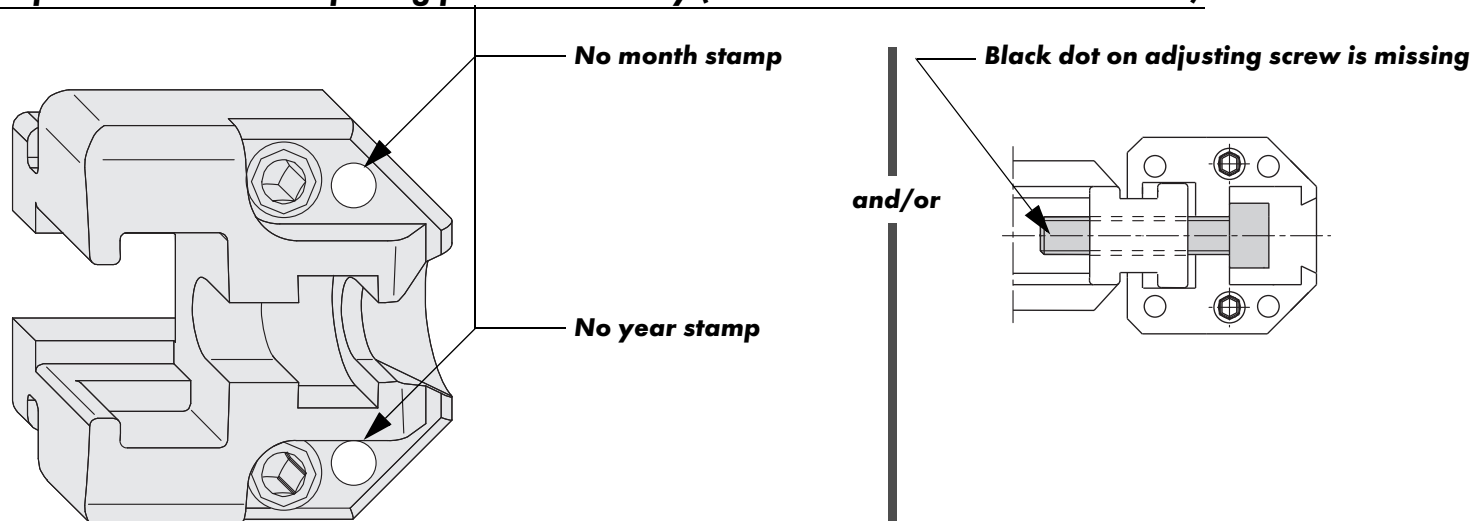
- Do not allow open sashes to be blown around by the wind.
- Make sure to close and lock windows if it is windy or if there is a draught.

Replacing the axxent adjusting pieces *Identification of adjusting pieces to be replaced*

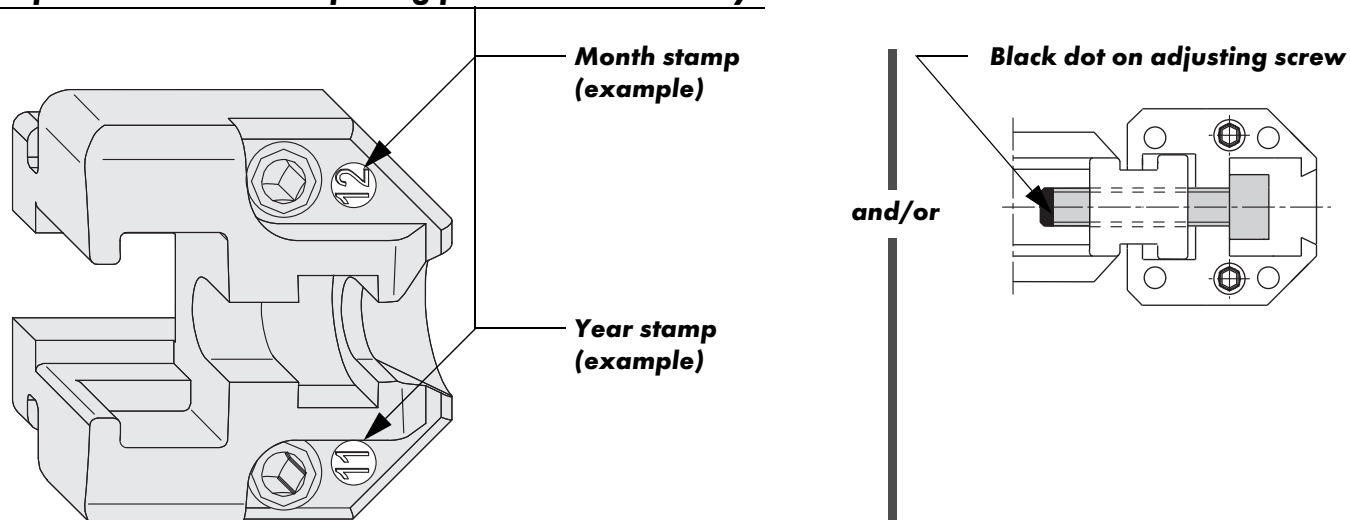
Installation location of the adjusting pieces in the window sash



Replacement of the adjusting pieces necessary (material no. MFAP0010-100010)



Replacement of the adjusting pieces not necessary



Replacement instructions for axxent adjusting pieces for tilt-and-turn/tilt-before-turn

Disassembly and assembly on the hinge side, top

Steps 1. - 14.

⚠ WARNING

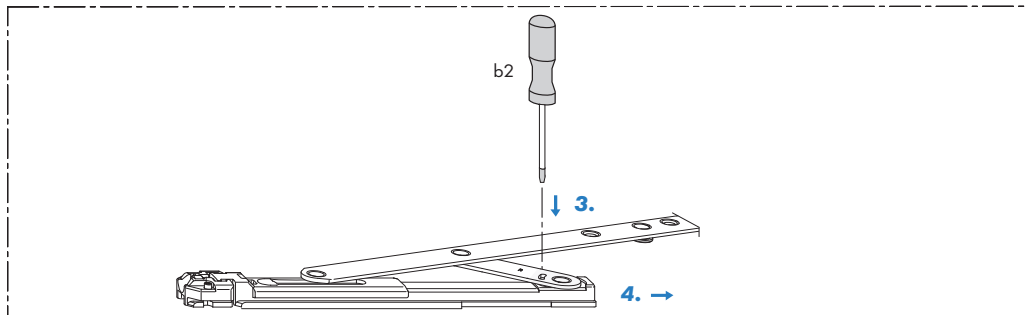
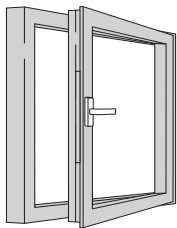


Sashes are heavy.

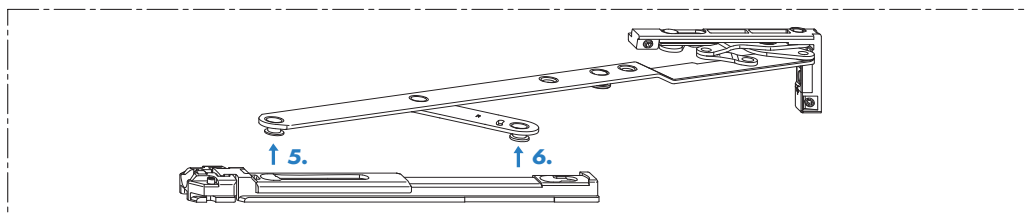
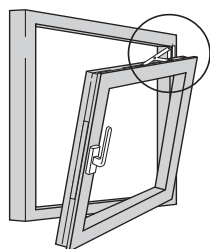
When hinging the sash, there is a risk of injury due to the sash falling out!

> Only hinge the sash in pairs of two people.

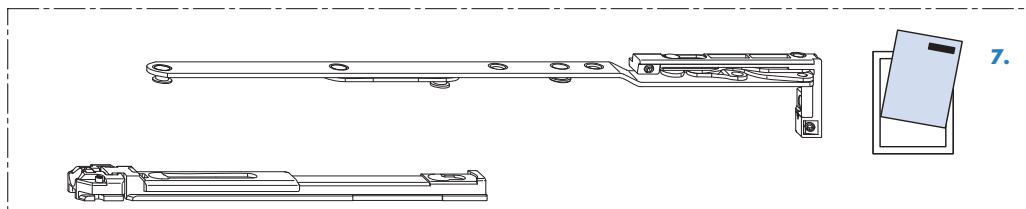
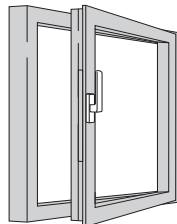
1a. Tilt-and-turn



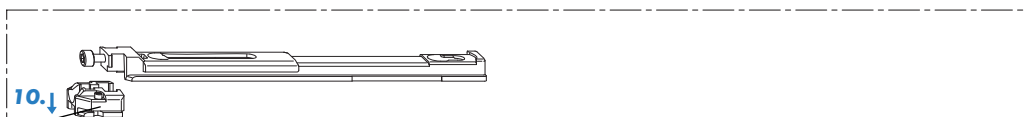
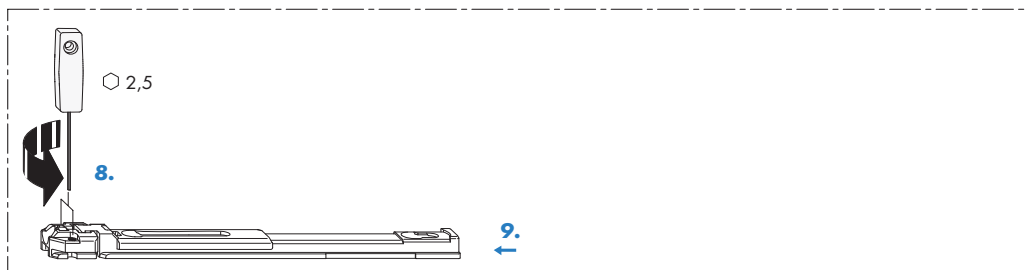
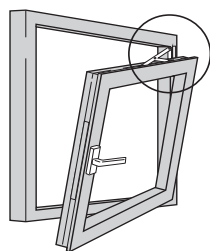
2a. Tilt-and-turn



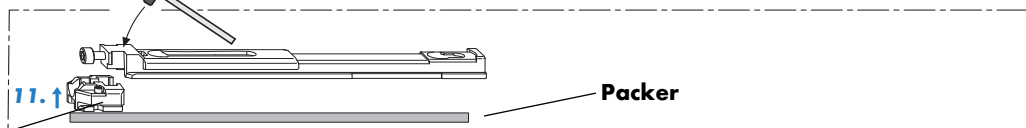
1b. Tilt-before-turn



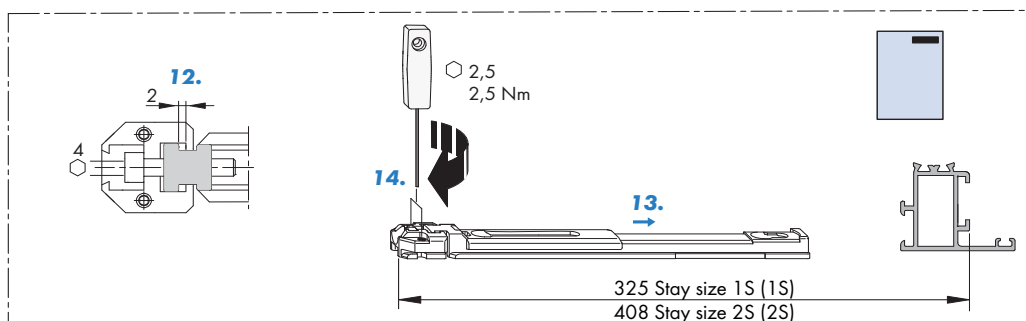
2b. Tilt-before-turn



Old adjusting piece



New adjusting piece



Replacement instructions for axxent adjusting pieces for tilt-and-turn/tilt-before-turn

Disassembly on the hinge side, bottom

Steps 15. - 20.

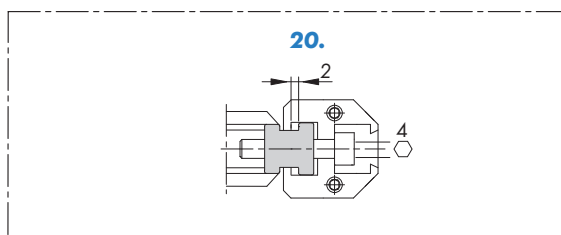
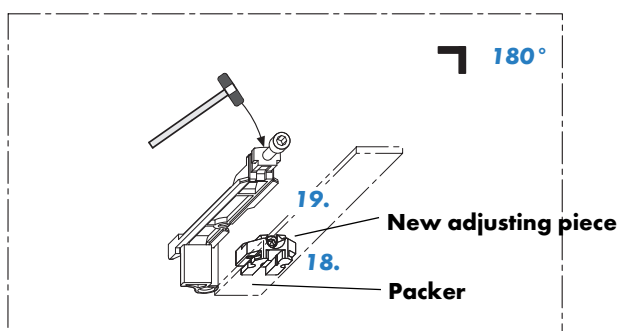
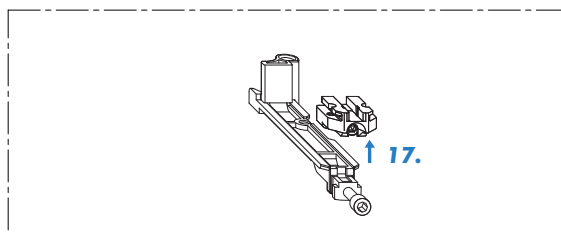
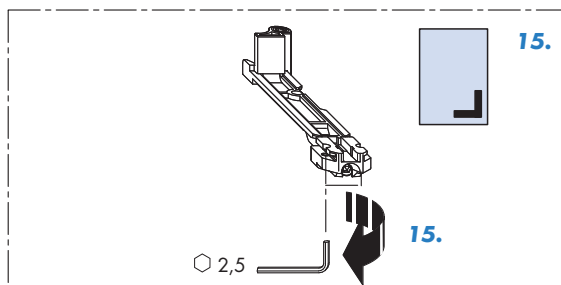
WARNING



Sashes are heavy.

When hinging the sash, there is a risk of injury due to the sash falling out!

> Only hinge the sash in pairs of two people.



Replacement instructions for axxent adjusting pieces for tilt-and-turn/tilt-before-turn

Assembly on the hinge side, top

Steps 21. - 34.

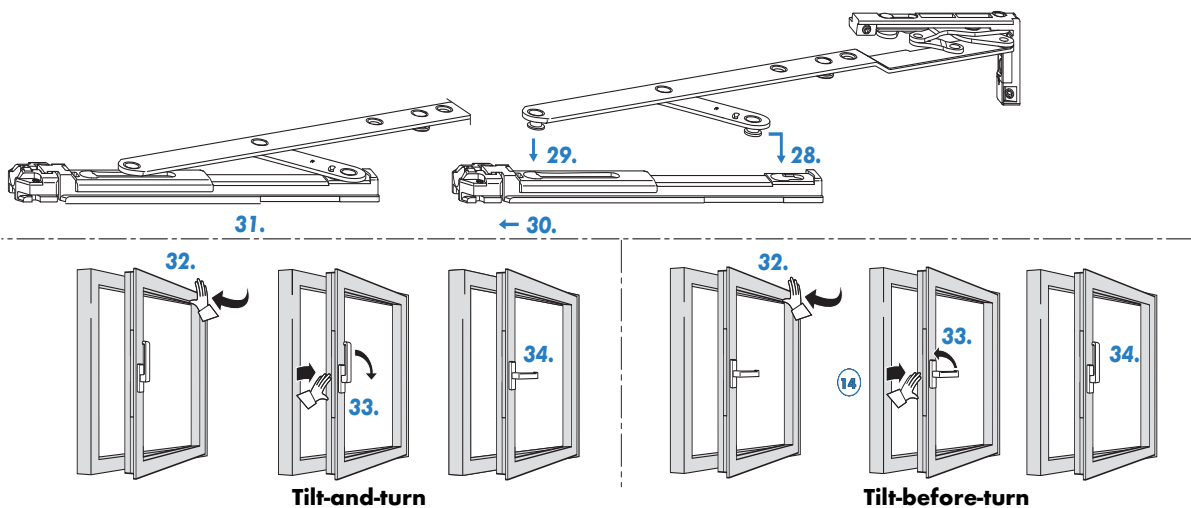
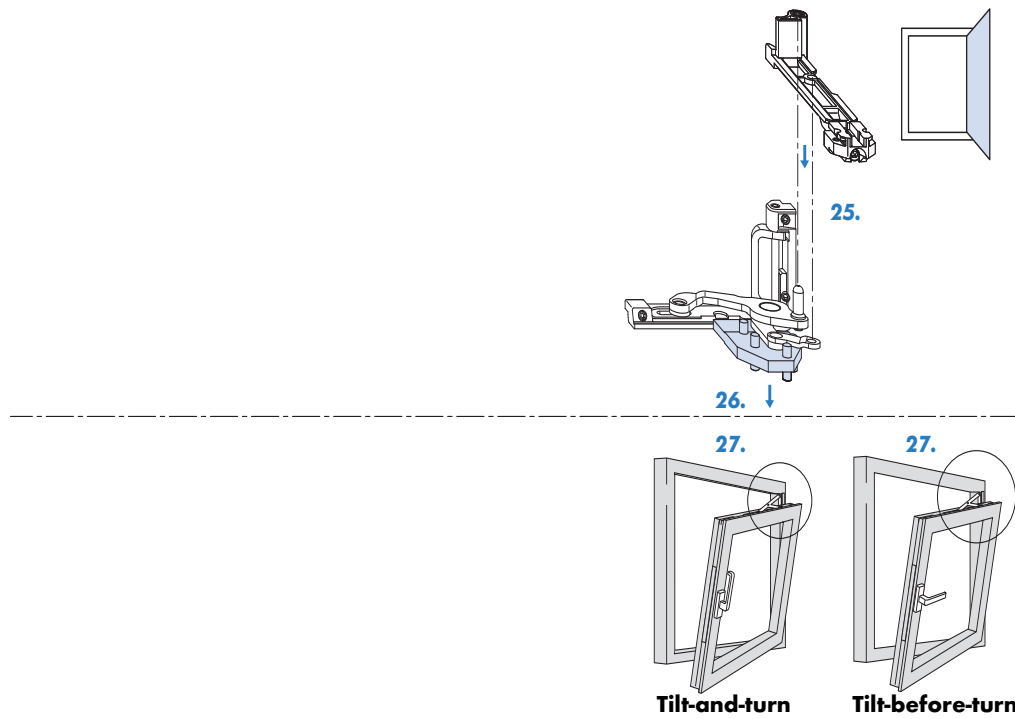
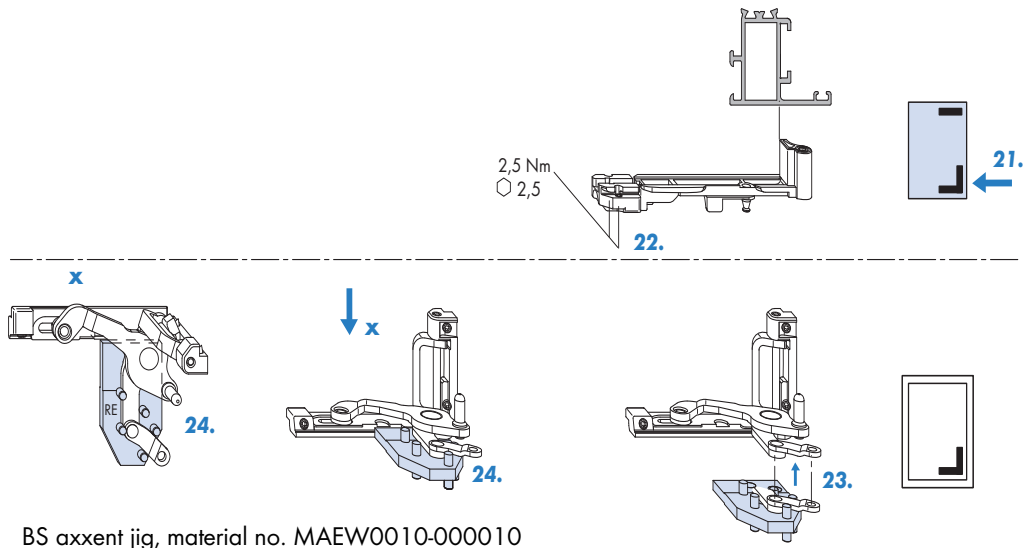
⚠ WARNING

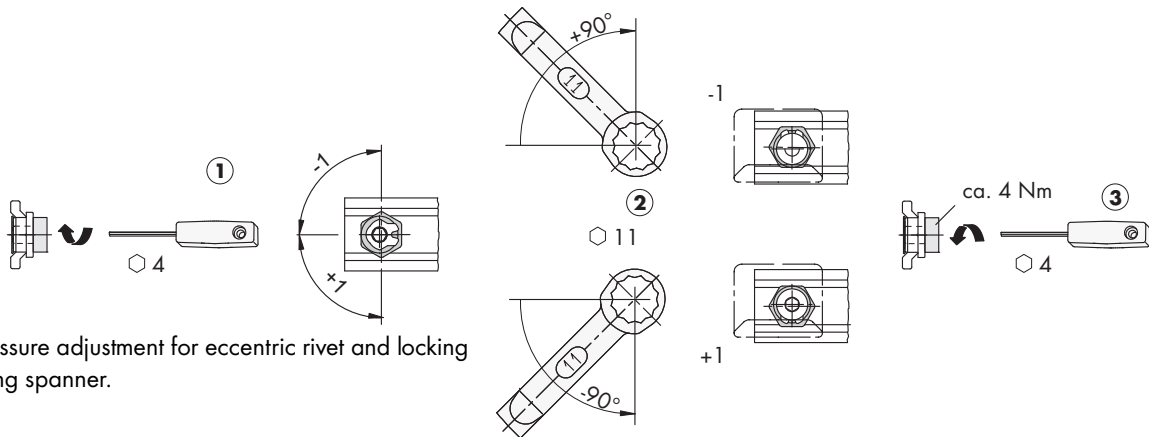


Sashes are heavy.

When hinging the sash, there is a risk of injury due to the sash falling out!

> Only hinge the sash in pairs of two people.





Perform pressure adjustment for eccentric rivet and locking cam with ring spanner.

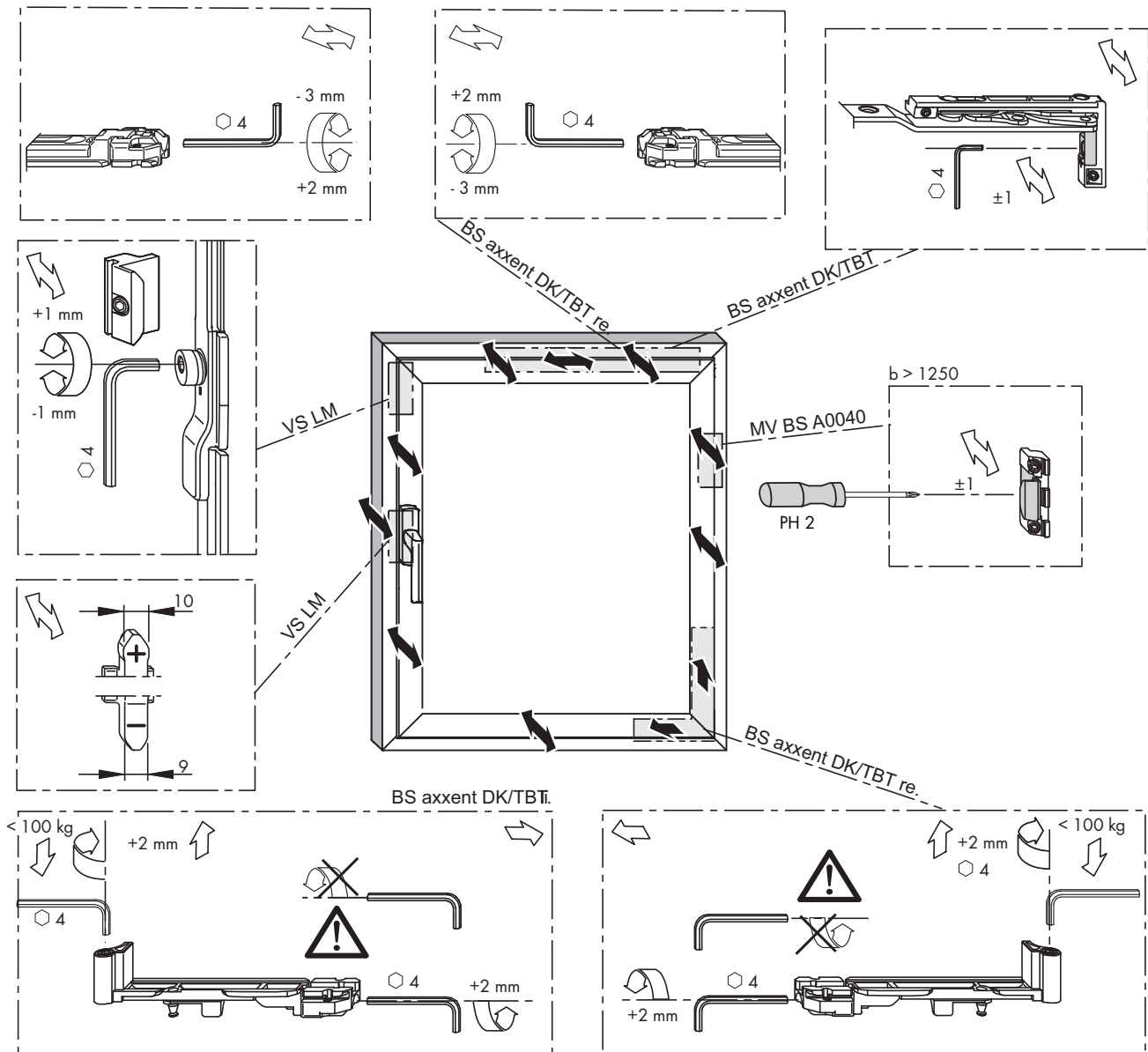
Positioning axxent stay guiding piece and axxent sash hinge

⚠ WARNING

There is a risk of injury if the window sash falls out.

> Turn the adjusting screws only in the direction shown.

Hinge side axxent tilt-and-turn/tilt-before-turn with centre lock and locking side



Replacement instructions for axxent adjusting pieces for turning sash

Disassembly on the top and bottom hinge side

Steps 1. - 5.

⚠ WARNING

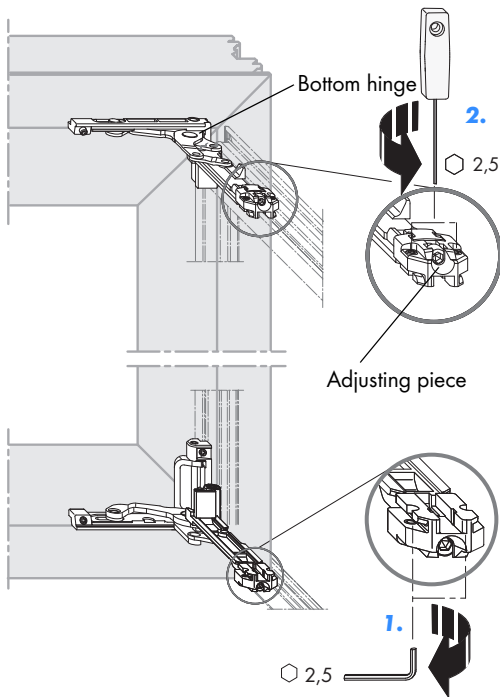


Sashes are heavy.

When hinging the sash, there is a risk of injury due to the sash falling out!

> Only hinge the sash in pairs of two people.

Loosen grub screw on the adjusting piece



a. Open the window sash

⚠ WARNING

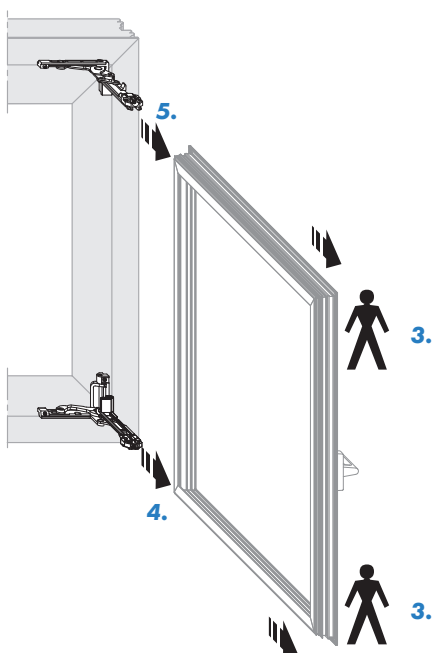
Tilting the loose window sash will cause the bottom hinges to break.

There is a risk of injury if the window sash falls out!

> The first person prevents the window sash from tilting.

b. The second person loosens the adjusting piece on the hinge side, bottom (2.) and hinge side, top (1.) with the grub screws.

Remove the window sash from the bottom hinge



a. Because window sashes are heavy, they are removed without glazing.

⚠ WARNING

The bottom hinges will break if the window sash is tilted during disassembly steps.

There is a risk of injury if the window sash falls out!

b. Pull out the window sash in parallel to the two bottom hinges (4. - 5.)

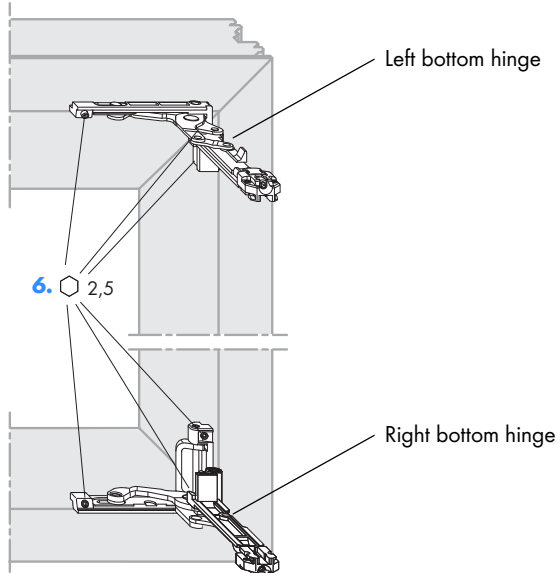


Replacement instructions for axxent adjusting pieces for turning sash

Disassembly on the top and bottom hinge side

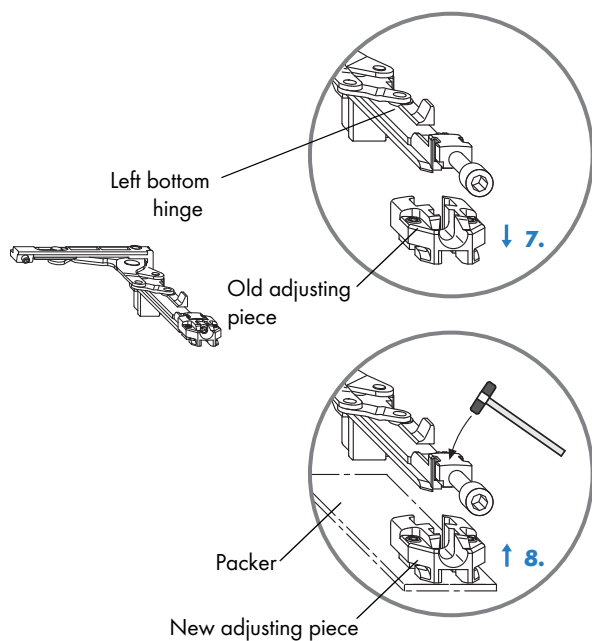
Steps 6. - 8.

Disassembly of the bottom hinge



- Loosen the grub screws with a hexagon screwdriver from the bottom hinge on the top hinge side and the bottom hinge side (6.).
- Take the bottom hinge out of the frame.

Replacing the adjusting piece



- Push the adjusting piece out of the bottom hinge on the top and bottom hinge side.

⚠ WARNING

**Hitting the bottom hinge will cause it to break.
There is a risk of injury if the window sash falls out!**

> Ensure there is a packer when assembling the adjusting piece.

- Press new adjusting piece on the left bottom hinge on the hinge side, top (7.) and the hinge side, bottom.
- If you have difficulty inserting the adjusting piece, set the adjusting pieces flush on a packer and hit the left bottom hinge by tapping lightly with a plastic hammer on the hinge side, top (8.) and the hinge side, bottom in the insertion of the adjusting pieces.
- When disassembling the adjusting piece, turn the right bottom hinge (hinge side, bottom) 180° and proceed with b. and c. after the disassembly.

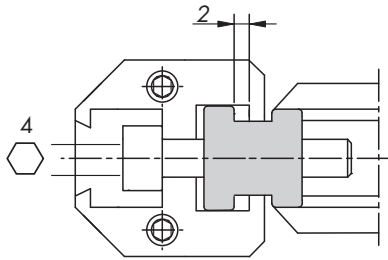


Replacement instructions for axxent adjusting pieces for turning sash

Assembly on the top and bottom hinge side

Steps 9. - 13.

Preparation

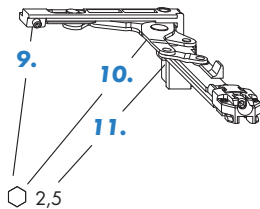


Home position for adjusting piece, with 2-mm clearance

Hint: The bottom hinges cannot be adjusted if the adjusting pieces are not in the home position during installation.

- Check whether the adjusting piece on the bottom hinge is in the home position (see figure "Home position for adjusting piece").
- If necessary, move the adjusting piece into home position.

Attach the bottom hinge in the window frame



Tightening sequence (example: hinge side, top)

- Open the bottom hinge

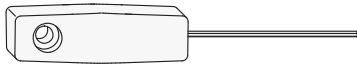
⚠ WARNING

Protruding grub screws cause the bottom hinge to break when the window sash is closed.

There is a risk of injury if the window sash falls out!

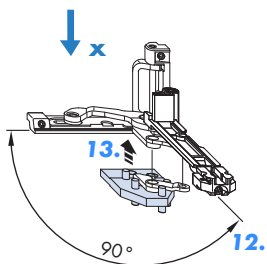
> Screw in the grub screws completely.

- Screw in the grub screw (9.-10.-11.) and tighten with a torque of 2.5 Nm.
- The middle grub screw (10.) can be reached with the SIEGENIA-AUBI hexagon screwdriver (material no. 141274).



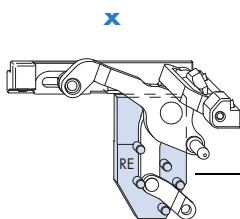
Hexagon screwdriver Hexagon 2.5 mm

Slide the BS axxent jigs onto the bottom hinges



Note: The jigs hold the bottom hinges in place, making it easier to slide the sash onto the bottom hinges.

- Open the bottom hinges 90° (12.).
- Slide the jigs on the hinge side, top and hinge side, bottom (13.).



BS axxent jig, material no. MAEW0010-000010

Installation of the jig and views of bottom hinge (example: hinge side, bottom (BSU))

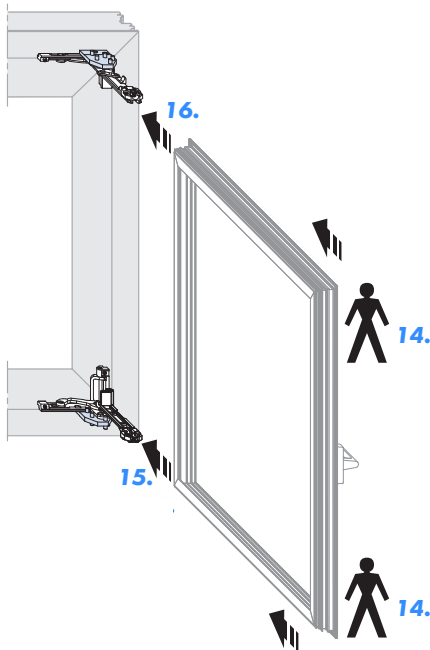


Replacement instructions for axxent adjusting pieces for turning sash

Assembly on the top and bottom hinge side

Steps 14. to 19.

Slide the window sash onto the bottom hinge



- a. Because window sashes are heavy, they are installed without glazing.
- b. Two persons (14.) are needed to install the window sash.

⚠ WARNING

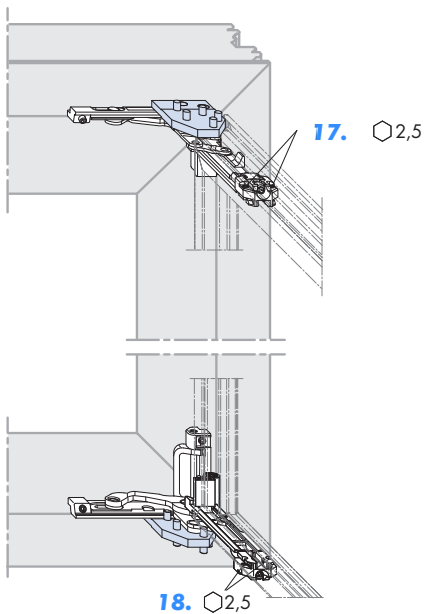
The bottom hinges will break if the window sash is tilted during installation steps.

There is a risk of injury if the window sash falls out!

> Slide the window sash in parallel to the two bottom hinges.

- c. Slide in the window sash at the hinge side, bottom (15.) and hinge side, top (16.)

Attach the window sash to the bottom hinges



⚠ WARNING

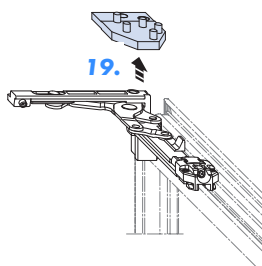
Tilting the loose window sash will cause the bottom hinges to break.

There is a risk of injury if the window sash falls out!

> The first person prevents the window sash from tilting.

- a. The second person attaches the bottom hinges using the grub screws.
- b. Tighten all grub screws (17. - 18.) with a torque of 2.5 Nm.

Remove the BS axxent jigs from the bottom hinges



- a. Remove all jigs on the hinge side, top (19.) and and hinge side, bottom.
- b. Close window sash.

Removing the jigs (Example: hinge side, top)



Replacement instructions for axxent adjusting pieces for turning sash

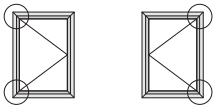
Assembly on the top and bottom hinge side

Adjust the bottom hinge

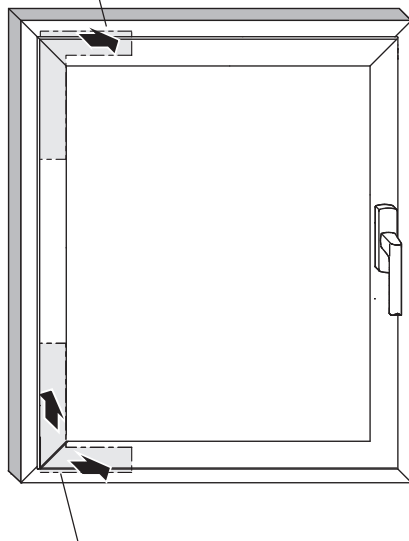
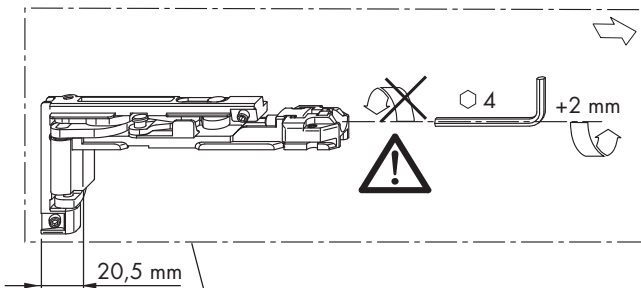
⚠ WARNING

There is a risk of injury if the window sash falls out.

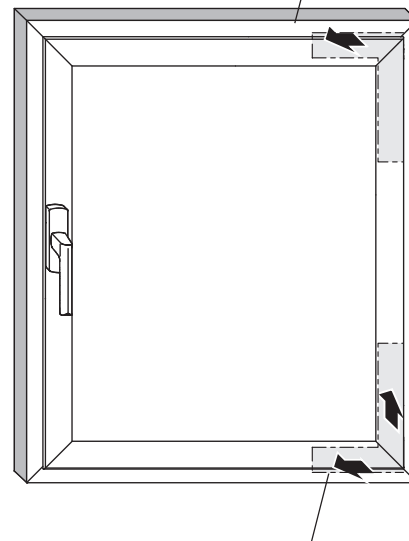
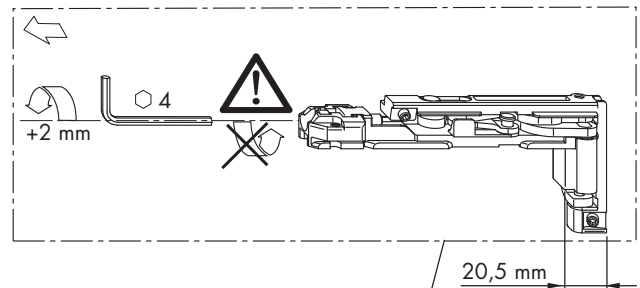
>Turn the adjusting screws only in the direction shown.



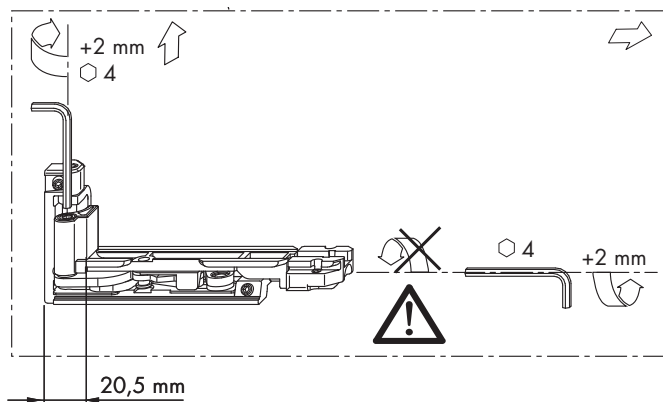
Right axxent-D bottom hinge



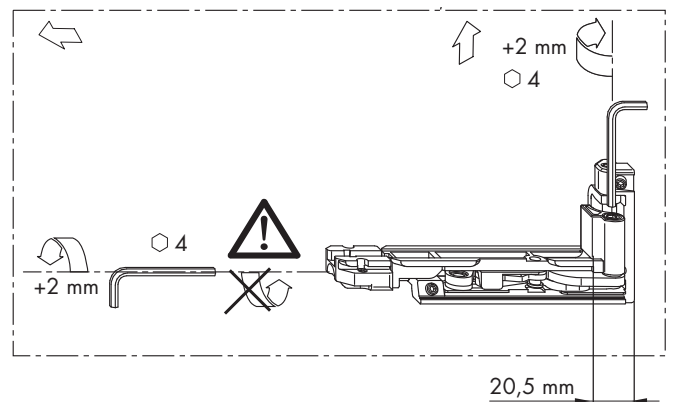
Left axxent-D bottom hinge



Left axxent-D bottom hinge



Right axxent-D bottom hinge





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