

AXOR™



User Manual

KOMFORT LINE K-3
Beschläge für Kunststoff-Fenster

www.axorindustry.com

Information on the use of hardware

Your window and door systems are equipped with Komfort Line K-3 hardware manufactured by AXOR INDUSTRY. It is a guarantee of their reliable operation and long service life.

A prerequisite for the proper functioning of hardware throughout the entire operating life is adherence to installation and adjustment guidelines given in the relevant technical documents. In addition, this User Manual contains all the information on maintenance of the basic hardware units influencing its performance and safety.

Properly installed/adjusted hardware provides the following:эргономику и плавность работы;

- ergonomics and smooth operation;
- tight window sash pressing against the frame;
- minimum tear and wear of moving and locking elements;
- correct securing of hardware elements in the frame and sash;
- user safety

Ergonomics and the smooth operation

It is characterized by the necessary efforts to turn the handle and move window sash into different working positions. In accordance with the European standards (DIN 18055), maximum effort that should be attached to the handle for its turn must not exceed 10 Nm. The amount of effort can be checked with a torque wrench. Smooth operation of hardware can be improved by regular lubrication of moving parts and correct adjustment of its main units. The latter include hinges, stay arms, locking elements. Misadjustment of these units can cause malfunction of the hardware, and consequently its failure. Therefore, these operations must be performed by trained specialists only.

Tight window sash pressing against the frame

It is characterized by the degree of window sash fit to the frame. The arrangement of locking pins in Komfort Line K-3 hardware ensures maintenance of the distance between pressing points of no more than 700 mm as required by DSTU, which ensures optimum sound insulation and excludes any drafts and heat loss from the room.

Minimum tear and wear of moving and locking elements

All basic and moving units must be thoroughly lubricated and adjusted. This ensures their correct operation and helps to avoid premature wear.

Correct securing of hardware elements in the frame and sash

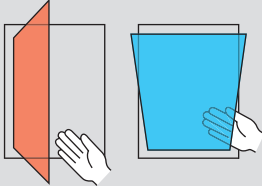
The functioning of the window and its safety depend largely on the hardware. Therefore, it is important to control the quality of securing hardware elements in the profile. In particular, immediately after installation, it is necessary to check the availability of all self-tapping screws, their tightening and integrity. If self-tapping screws are loosened or damaged, they should be replaced immediately.

User safety

All damaged hardware elements must be replaced immediately. This applies especially to units directly affecting the safety for the user: hinges and stay arm. Adjustment or replacement of all hardware components must be carried out by trained specialists.

Hardware components should be cleaned only by cleaning agents specially designated for that purpose. Avoid exposure of hardware to aggressive acidic substances. This may cause damage to the protective layer of hardware and its subsequent failure.

Safety



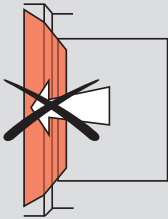
Risk of injury through trapping of body parts in the opening gap between sash and frame

- Never reach into the opening between the sash and the outer frame when closing windows/doors.



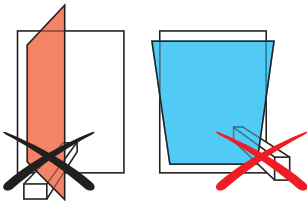
Risk of injury from falling through open windows and balcony doors

- Behave with care near to open windows and doors.
- Keep children away from open windows and doors.



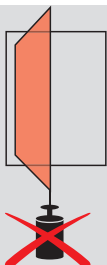
Risk of injury and material damage from pressing the sash against the opening edge (reveal)

- Do not press the sash against the opening edge (reveal)



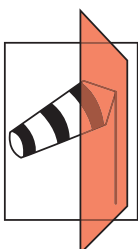
Risk of injury and material damage from insertion of obstructions into the opening gap between sash and frame

- Do not insert obstructions into the opening gap between sash and frame.



Risk of injury and material damage from overloading the sash

- Do not overload the sash

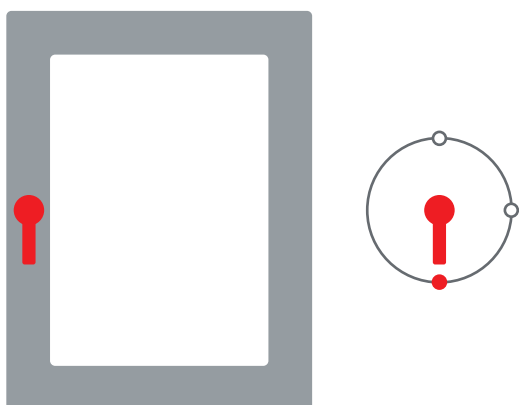


Risk of injury from the effect of wind

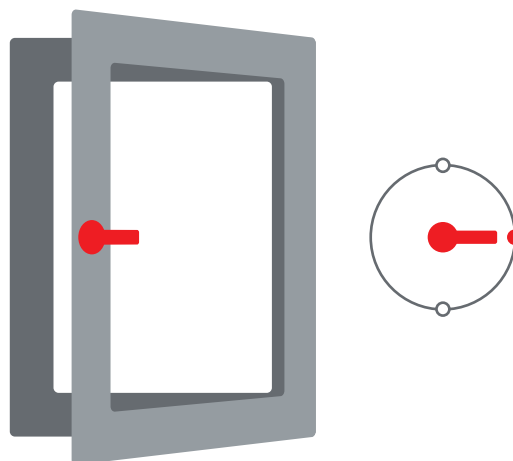
- Prevent wind from acting on the open sash.
- During wind/drafts, close and lock windows and balcony doors.

Window Sash Position

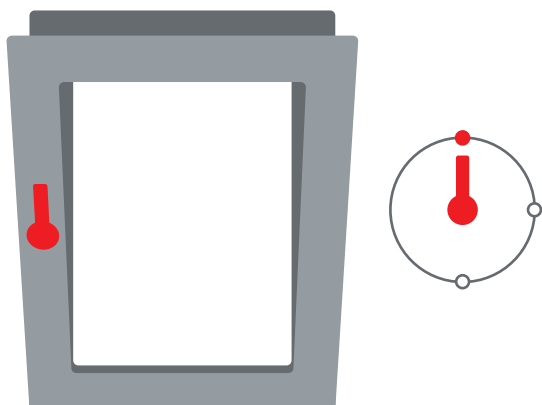
“Closed” position



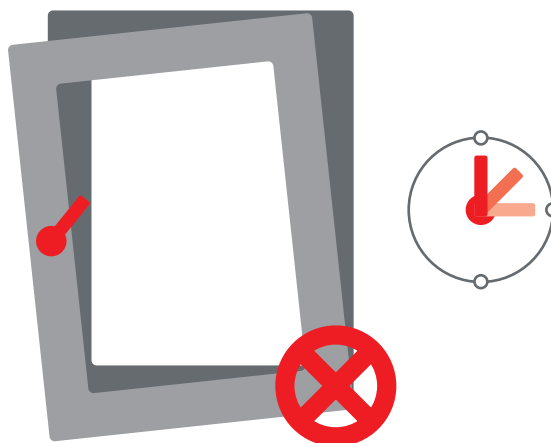
“Opened” position



“Opened tilt” position



“Erroneous opening” position



Hardware Lubrication



Your window and door systems are fitted with AXOR hardware. In order to maintain its functionality and reliability at a high level throughout the entire service life it is necessary at least once a year to perform the following works on hardware maintenance:

1. Lubricate all moving and locking points of the hardware.
2. To avoid damaging the anti-corrosion coating of the hardware, clean it exclusively with pH-neutral cleaning agents containing no acids and alkali.
3. Use oils containing no acids and resins.
4. Tighten fixing screws, if necessary. Check carefully for tear and wear and fixing of components affecting safety.
5. Use hinge covers.
6. If the hardware of your window is not fitted with hinge covers, check whether the top hinge bearing pin is inserted from the bottom until it clicks.
7. Machine oil can be used to wipe the pre-cleaned hardware surface.

Please note that for your safety and the preservation of hardware proper functioning, the following operations must be performed by trained specialists only.

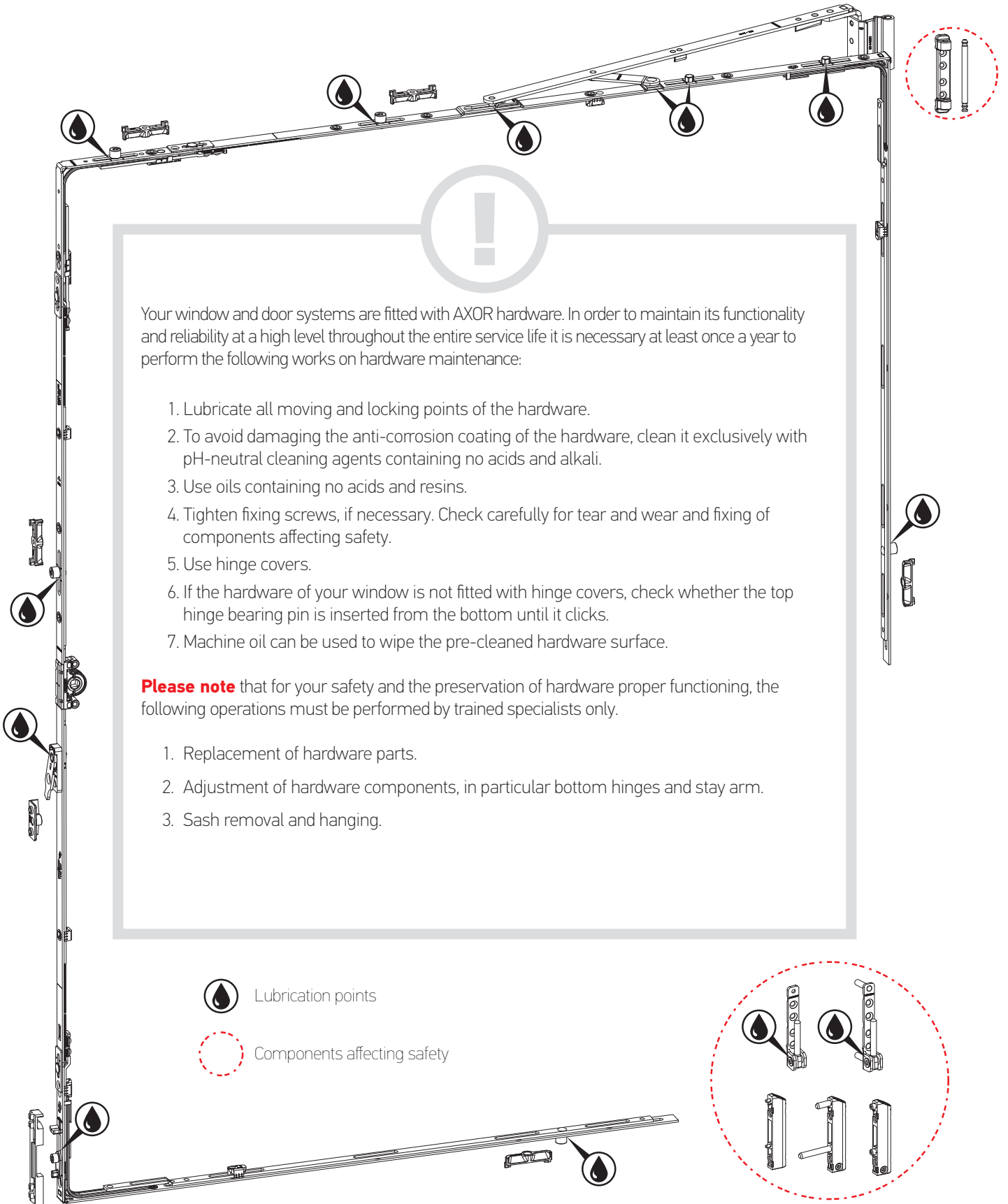
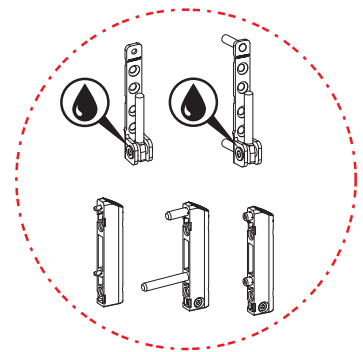
1. Replacement of hardware parts.
2. Adjustment of hardware components, in particular bottom hinges and stay arm.
3. Sash removal and hanging.



Lubrication points



Components affecting safety



Window Maintenance Kit

The kit is intended for maintenance of window and door systems made of PVC or aluminum profiles. It enables gentle and effective care for all components of windows and doors made of PVC and aluminum profiles.

The kit includes:

Cleaner for windows care

Softly cleans the surface of profiles from dust and dirt. Upon regular use, reduces the effects of UV radiation (color change, «aging» of plastics), reduces the electrostatic charge of plastic surfaces.

Pencil for seal care

Protects the seal material from drying out and cracking, significantly extends the effective life of seals and increases their elasticity upon regular application.

Lubricant for moving parts and mechanisms

It ensures a smooth and quiet operation of the hardware and locks in the temperature range from +40 to -40 °C. Special lubricant components prevent the formation of rust on the friction parts, thereby increasing the period of trouble-free operation of the hardware and locks.

