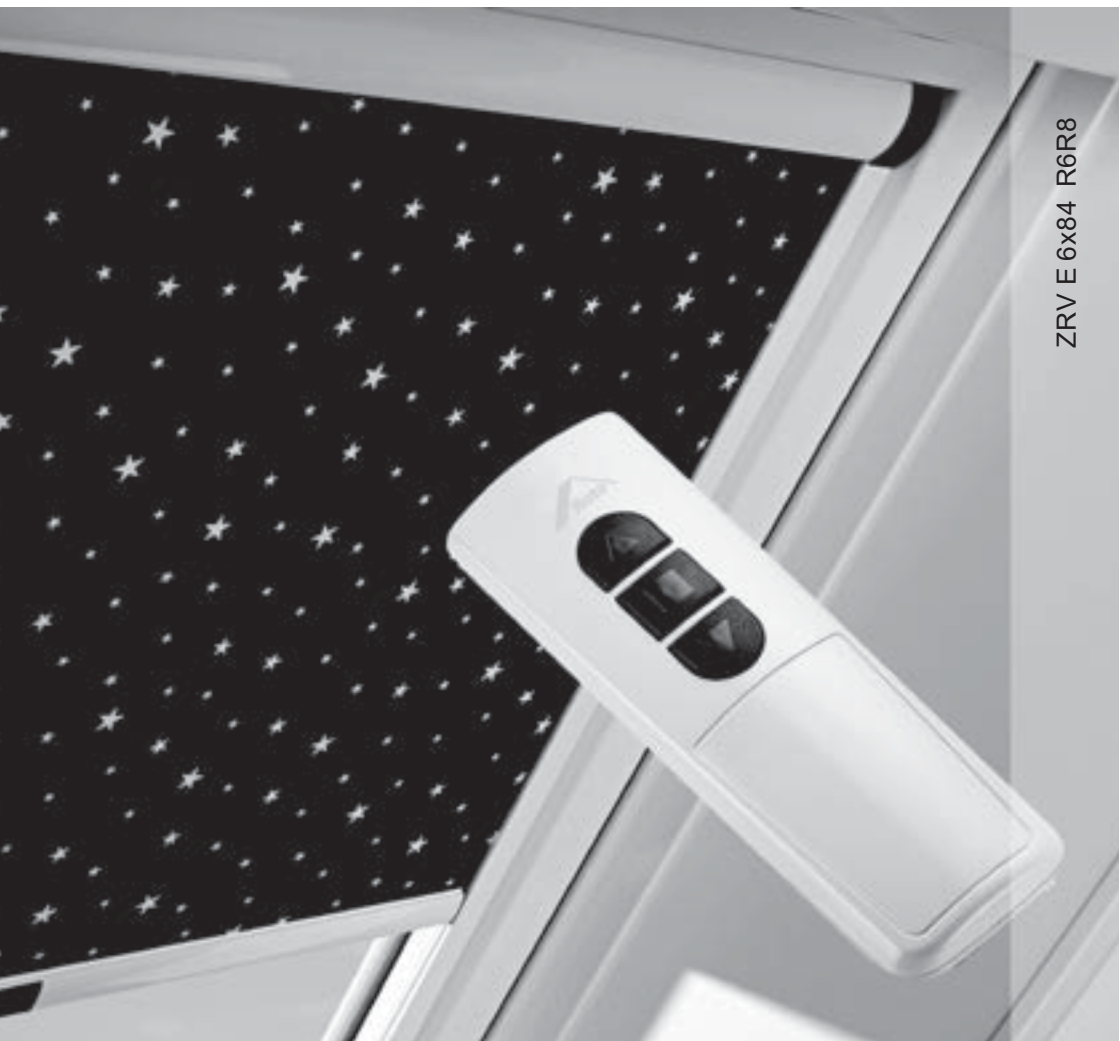


Montageanleitung

Mounting instructions

Instructions de montages

Instrukcja montażu



ZRV E 6x84 R6R8

General safety instructions

- These installation instructions are intended for trained personnel.
- As specified in VDE0022, the operating company and the installer are responsible for compliance with the regulations put forth by the public utility provider and the VDE (German Association of Electrical Engineers).
- The fitter of the product is expected to have skills in the following areas:
 - Compliance with accident prevention regulations
 - Correct handling of ladders/climbing equipment
 - Correct attachment of fixing materials
 - Correct evaluation of the building fabric
 - Correct product operation and commissioning
 - Safety provisions and precautionary measures when handling electricity
 - Expert electrical-technical knowledge
- If the fitter does not possess one or more of these qualifications, the work must be carried out by a specialist fitting company.
- Read this manual carefully before installing and operating the device.
- Heed all installation steps, instructions and notes.
- Ensure that this manual is accessible to all users.
- Keep this manual in a safe place until you dispose of the product.
- If the product changes hands pass this manual on to the new owner.

Intended use

The blackout blind is intended for indoor use and for blacking out rooms.

It may only be installed and used on the Roto skylight types designed for their use.

The blackout blind protects against laterally incident light. The patterns are opaque but do not black out the room completely (in a physical sense).

Fabric blinds, such as those used for blackout blinds, may become slightly wavy at the edges, allowing light to pass through laterally. This is not a product fault.

Technical data

The dimensions depend on the type and size of the window.

Unpacking/checking the scope of delivery

(Fig. A1)



Risk of suffocation!

Plastic parts, polystyrene, screws, small parts, etc., can be very dangerous for children to play with.

- > Do not leave the packaging material and installation parts lying around, and keep away from children and toddlers.
- > Keep children away from the installation site throughout the installation procedure.
- Please dispose of the packaging material (cardboard, polystyrene, plastic bag) according to local regulations.
- Please check the scope of delivery. If parts are missing, consult the specialist dealer.
- The screwing aid (Fig. A1, part K) is a tool and not an installable part.

Preparing tools/aids

(Fig. A2)

- Pencil
- Electric/cordless drill with drill attachment (Ø 10 mm)
- Cross-head screwdriver, PZ1
- Hex key (5 mm)
- Side cutter
- Yardstick/tape measure
- If needed: stable climbing equipment (step ladder)
- Screwing aid (Fig. A1, part K)

General information on installation

(Fig. 1)

This manual contains installation instructions for various types of windows:

- Type 6, Type 84 (wood or plastic)
- Type R6, R8 (wood or plastic)
- Type WDT 6..., R6 E_ (wood or plastic)
- Type i8 (plastic)

To perform the installation properly and find the appropriate installation steps, the window type must be determined before you start:


- Open the window completely.
- Read and note the data on the type label.


Some installation steps differentiate between wooden and plastic windows:


- Figures labelled with "...K" next to the figure number apply to plastic windows.
- Figures labelled with "...H" next to the figure number apply to wooden windows.
- Figures labelled with "WDT" next to the figure number apply to WDT. R6 E_ windows.
- Figures labelled with "WDC" next to the figure number apply to i8 windows.
- Figures without a label next to the figure number apply to all types.


Installation


(Fig. 1-19 WDF + Fig. 1-8 WDT/WDC)

-  **Danger to life and limb due to damaged power cables!**
Damaged power cables can lead to severe electric shocks and fires.
- > During the entire installation procedure, make sure that the power cable is not jammed, drilled into, or damaged.

-  **Risk of falling!**
The window is open during part of the installation process.
- > Do not lean out of the skylight.
 - > Ensure that you have a secure hold.
 - > Only use climbing equipment that is resting on a solid foundation and that offers good support and high carrying capacity.
 - > When working at great heights, the appropriate provisions must be made to protect against falling.
 - > Never grab onto the blackout blind.


-  **Risk of crushing and other injuries from tilting skylight!**
- > Secure the window to avoid unintentional tilting (see skylight operating instructions).
 - > Keep hands away from the window frame during tilting.

-  **Risk of injury from falling components!**
- > To mount the product, only use fixing materials that were included in the delivery and that are suitable for the window frame material.
 - > Never place tools, components and fixing materials on the climbing equipment.
 - > Keep children away from the installation site throughout the installation procedure.

-  **Risk of falling due to being startled!**
An electrostatic discharge and a loud noise (popping, crackling) may occur when the blackout blind is touched with a hand or object.
- > Ensure that you have secure footing.

On-site connection

(Fig. 13 WDF+18 WDF+8 WDT/WDC)

-  **Danger to life and limb due to incorrect connection of the electrical components!**
- > The on-site connection of the blackout blind to a control system and electrical power source must be performed by a certified electrician in accordance with the electrical installation regulations published by the Association of German Electrical Engineers (VDE 100) or the standards and regulations of the country in which the device is being installed.
 - > Only connect the blackout blind if the power source matches the specifications on the type label.
 - See the installation instructions of the control system ("ZEL STG...") for safety instructions, instructions for on-site connection, and the connection diagram.


Settings

(no figure)

Settings are not required after installation.

Operation


(no figure)

- Only operate with the window closed.
 - Operation depends on the selected control system.
 - See the manual of the control system ("ZEL STG...") for safety instructions and instructions for operation.
-  **Risk of crushing and injury!**
- > Keep the extension/retraction area clear of fixed and moving obstacles.
 - > When extending/retracting the product, do not reach into movable parts and do not pull on the blackout blind.



Care and maintenance

(Fig. B1)



-  Property damage from incorrect cleaning!
 - > Roll up the blackout blind fully before adjusting the window for cleaning.
 - > Clean the blackout blind carefully without using force.

For a long product life, we recommend the following:

- Clean the aluminium surface of the product at least once a year.
- Wipe the aluminium surface with a moist cloth only.
- Carefully brush off the blinds.
- At least once a year, make sure that the pleated blind is operating properly.
- Have any damage repaired by a qualified specialist as soon as you can.

Spare parts, wear parts, repair

(Fig. A1)

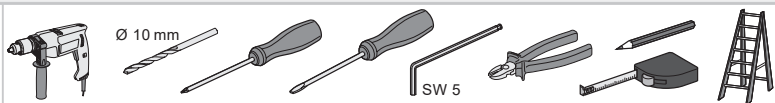
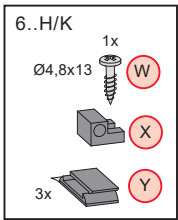
-  Property damage from inferior spare or wear parts!
 - > Only use original spare and wear parts from the manufacturer.
-  Risk of personal injury and property damage from incorrect repairs!
 - > The blind should only be repaired by a blinds specialist.

Dismantling and disposal

(no figure)

Used blackout blinds or components should not be discarded with the household waste.

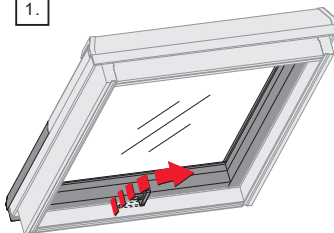
- Please dispose of the parts as required by local regulations.



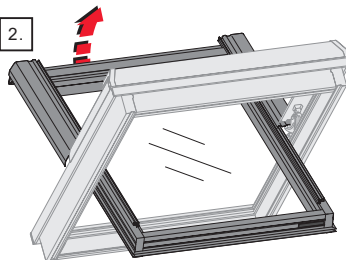


WDF Rx

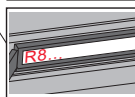
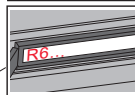
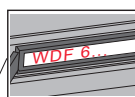
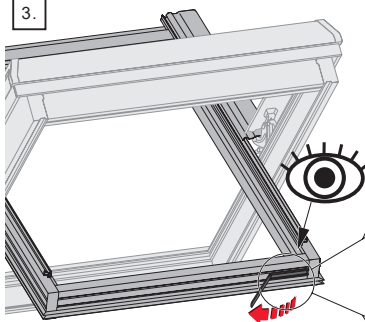
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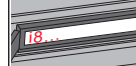
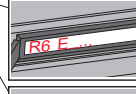
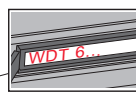
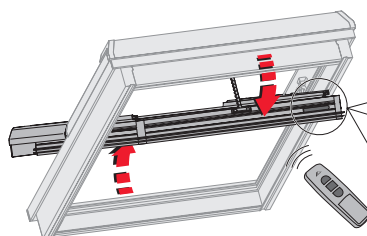
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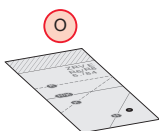
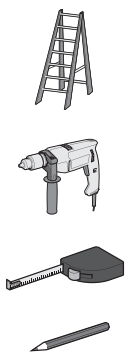
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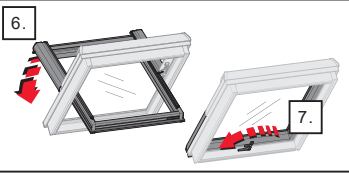
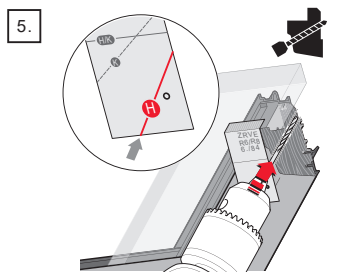
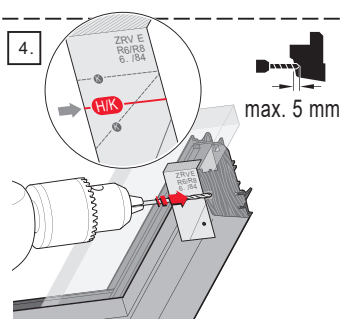
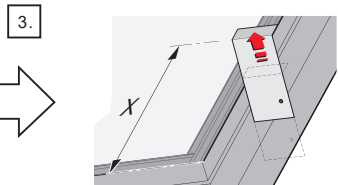
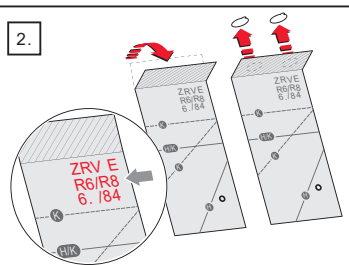
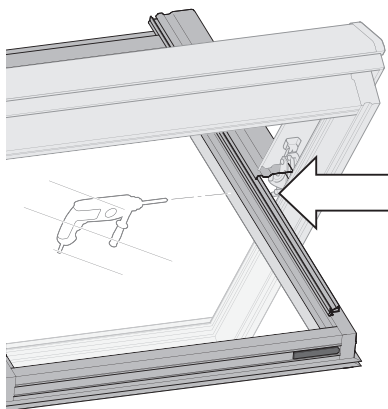
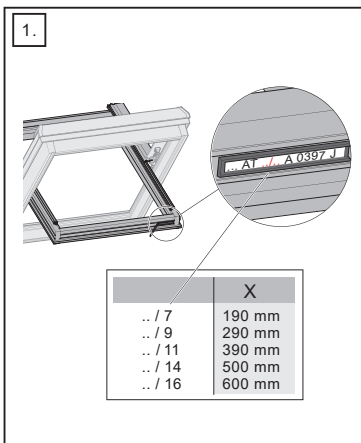
WDT Rx E_/WDC i8



1 WDF...H

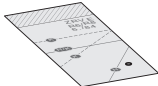


Ø 4,2 mm





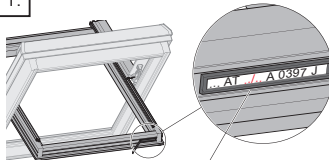
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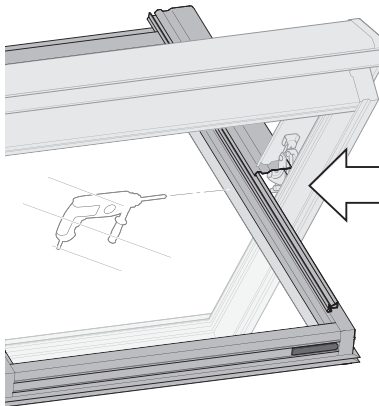
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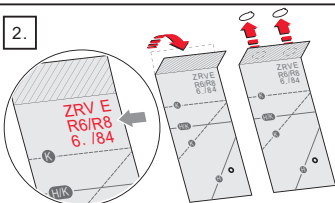
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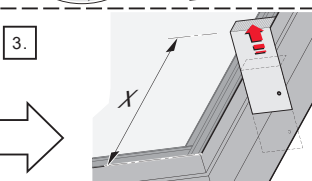
| | | X |
|-------|----------------|--------|
| 6...K | ../7 | 190 mm |
| 84.K | ../9 | 290 mm |
| R6.K | ../11 | 390 mm |
| R8.K | ../14 | 500 mm |
| | ../16 | 600 mm |
| 84.K | bis 870 mm | 190 mm |
| MR | 871...1070 mm | 290 mm |
| R8.K | 1071...1310 mm | 390 mm |
| MR | 1311...1500 mm | 500 mm |
| | 1501...1600 mm | 600 mm |



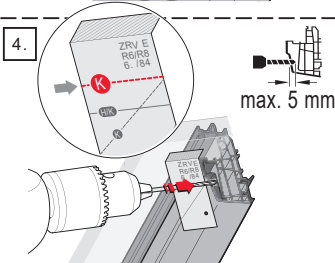
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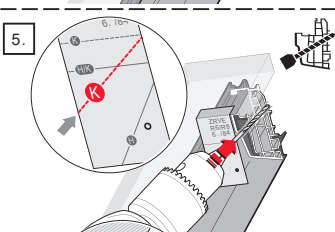
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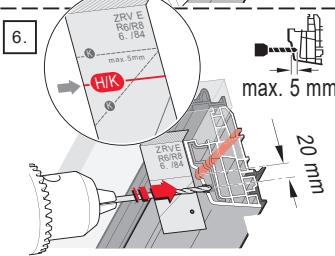
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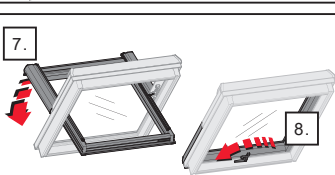
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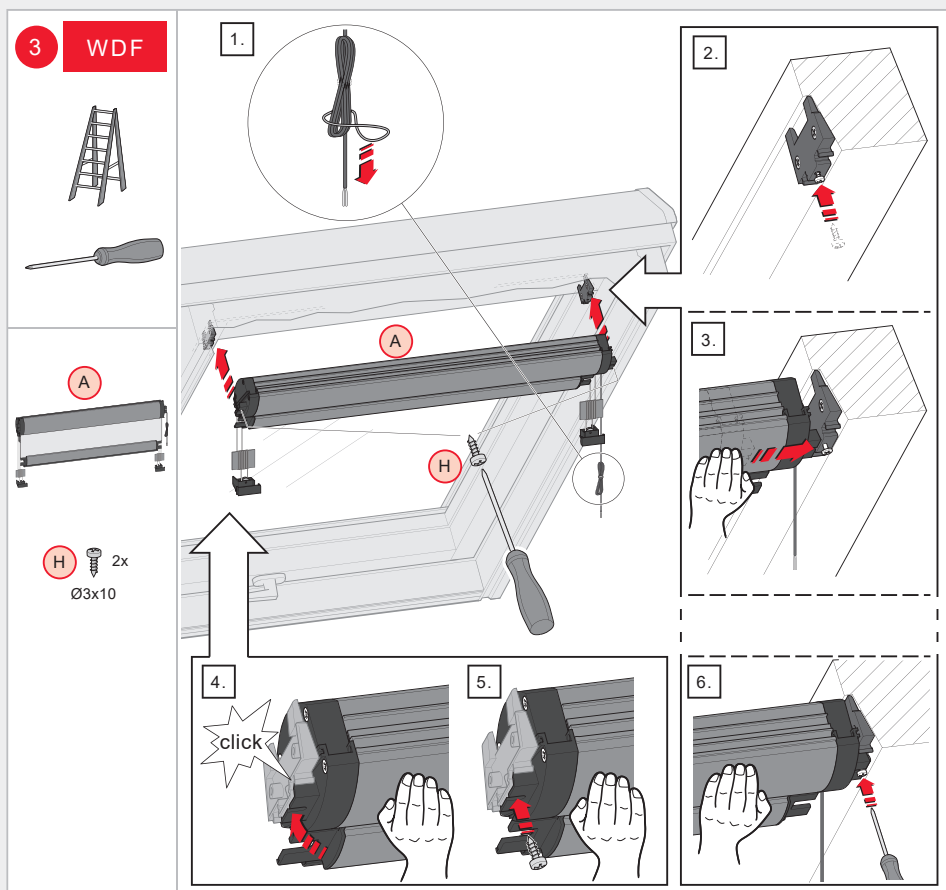
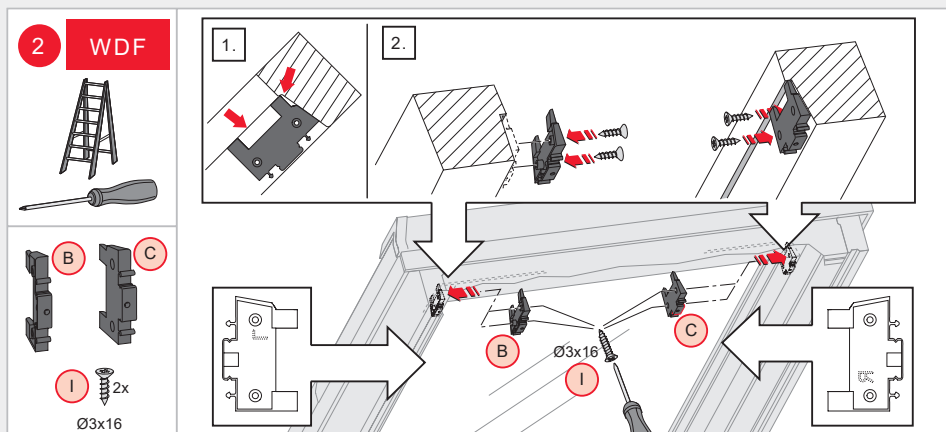
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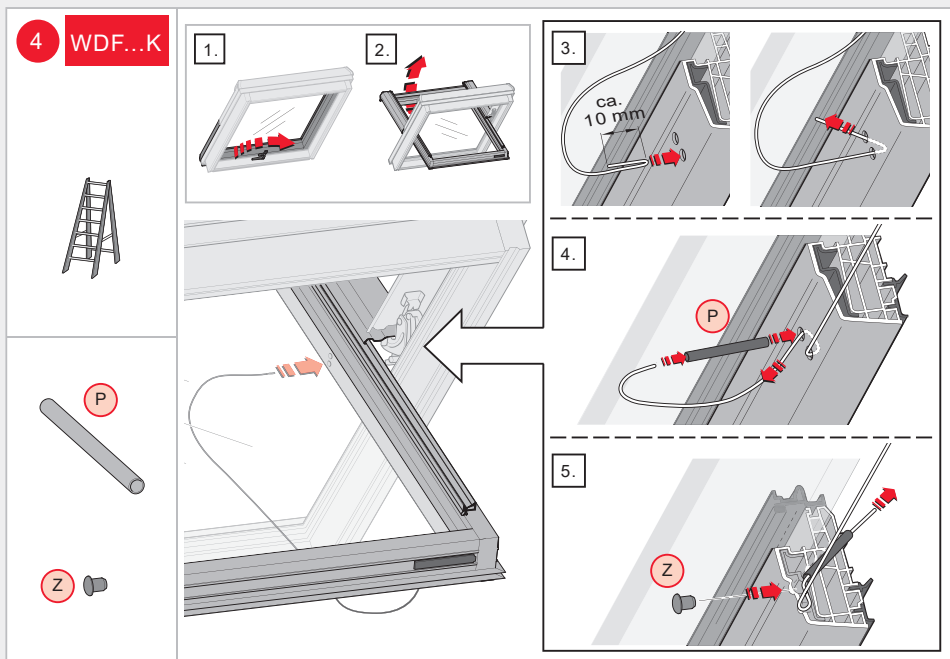
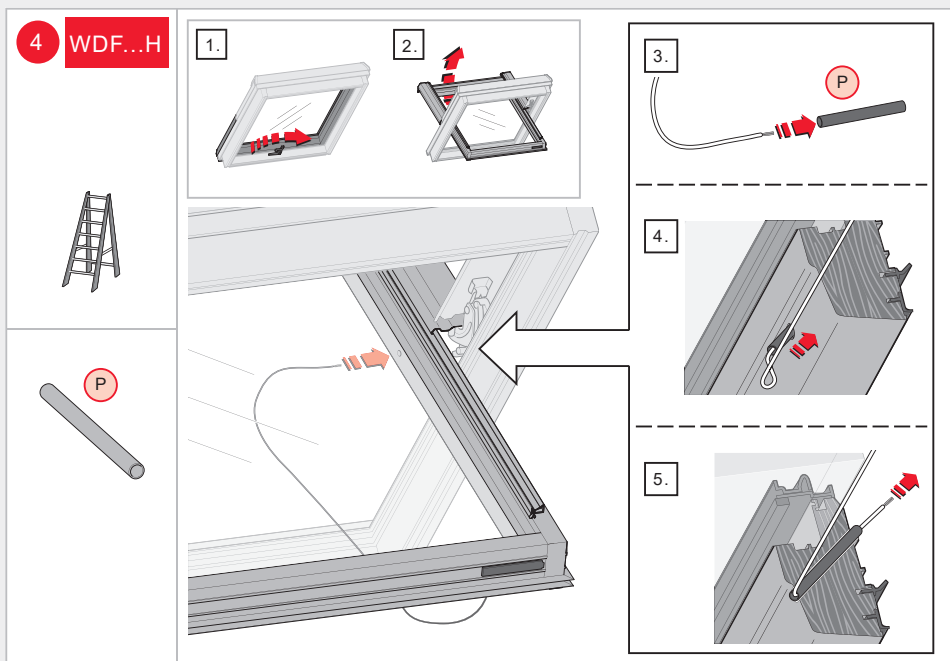


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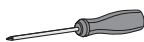
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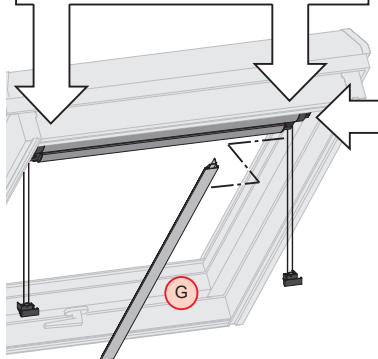
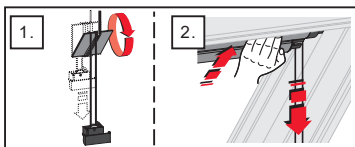
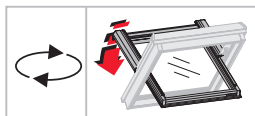
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WDF

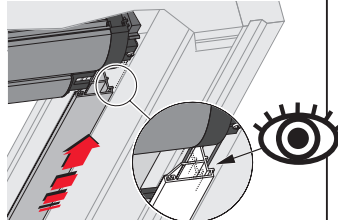


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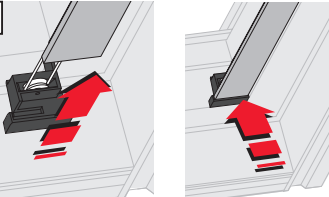
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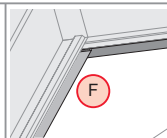
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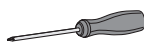


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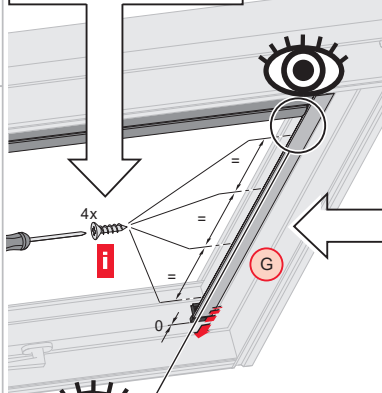
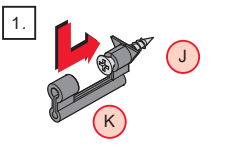
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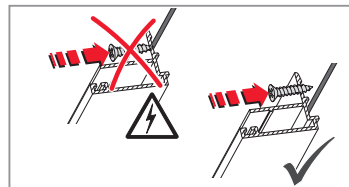
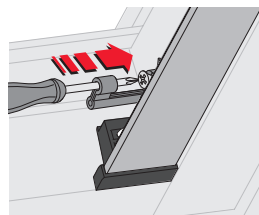
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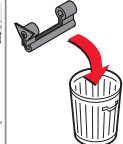
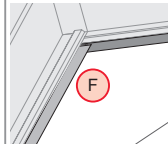
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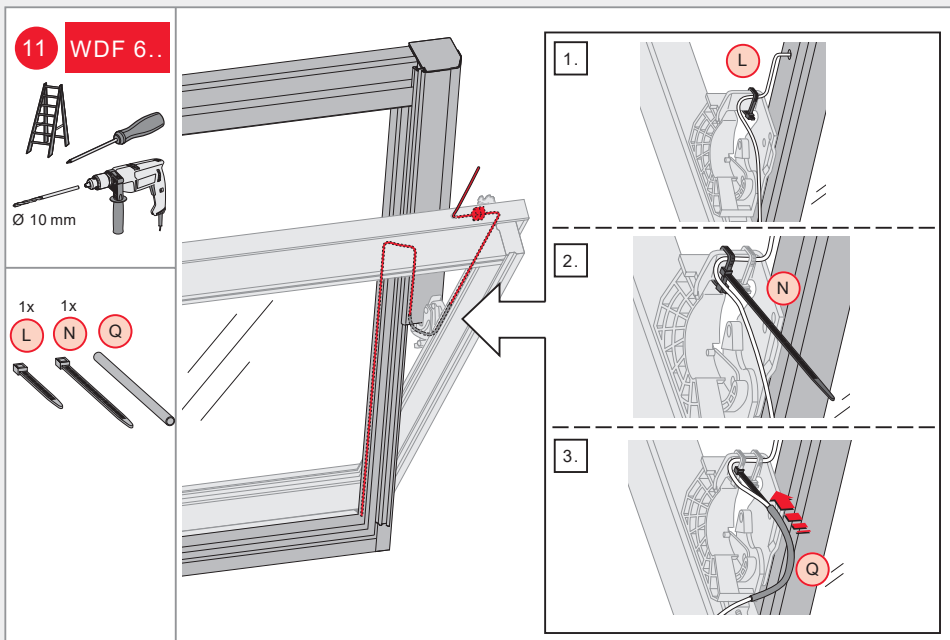
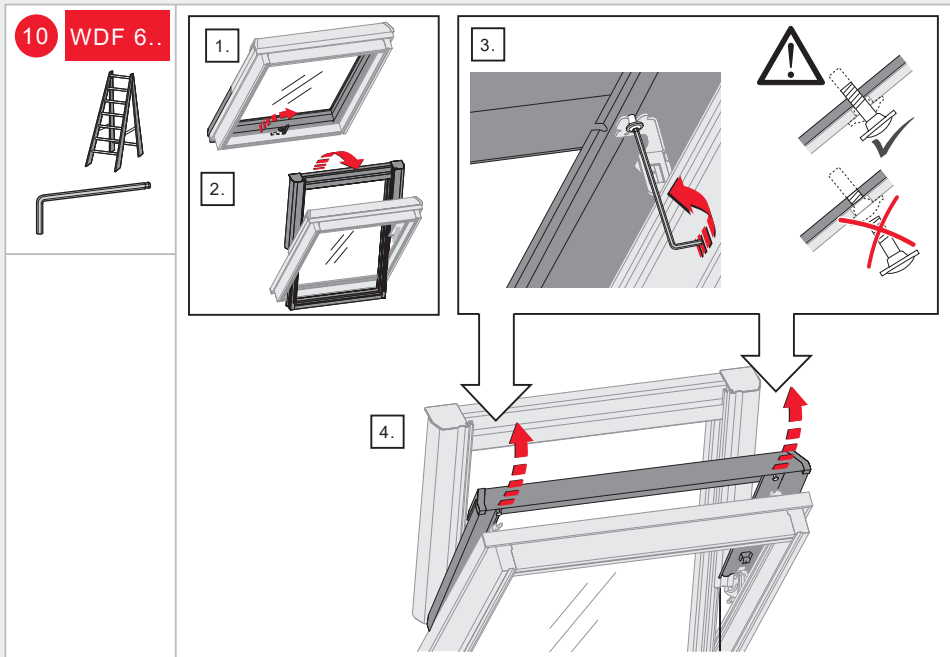


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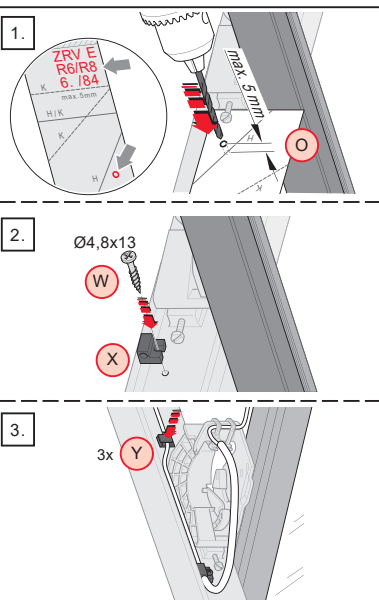
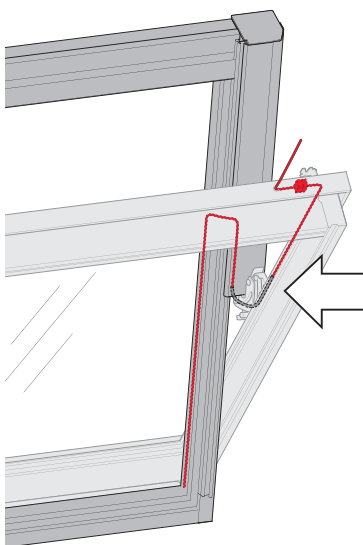
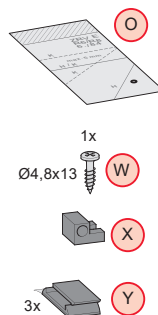
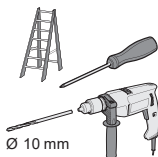
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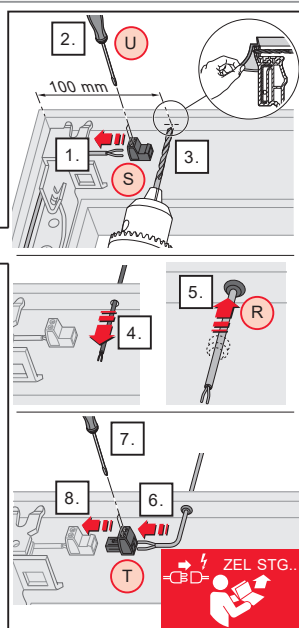
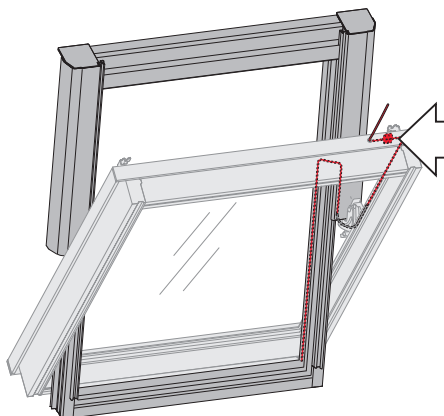
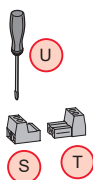
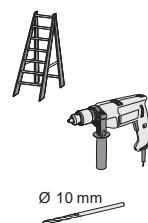




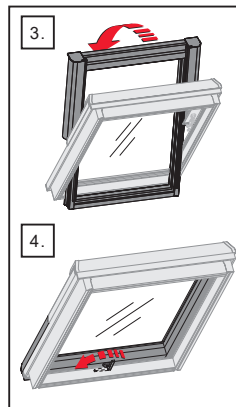
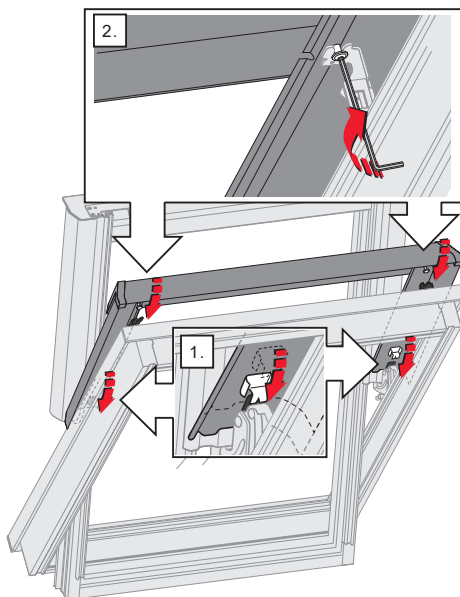
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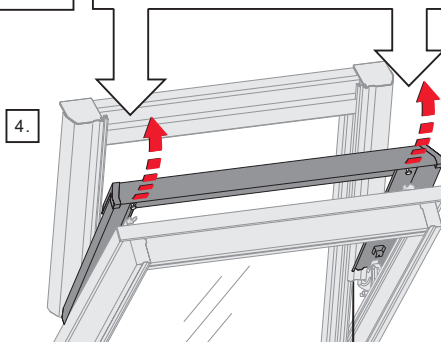
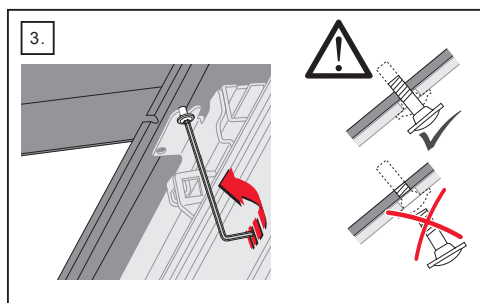
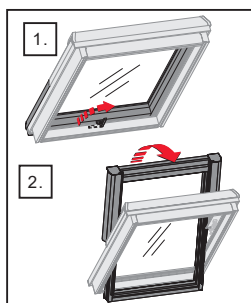
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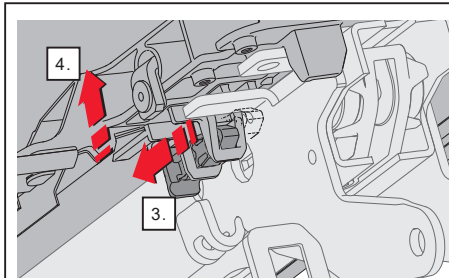
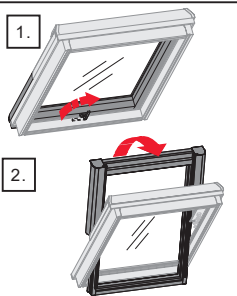
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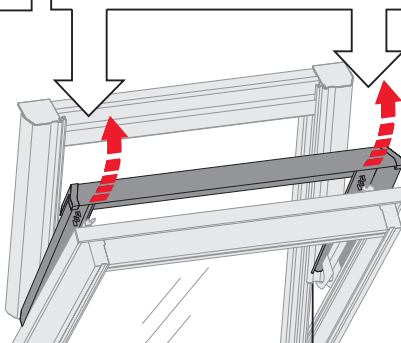


15

R6.
R8.



5.



16

WDF 84.
R6.
R8.



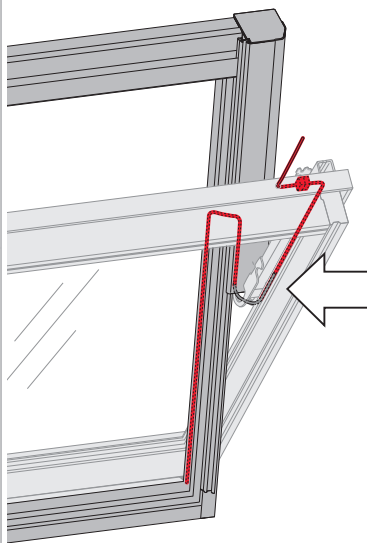
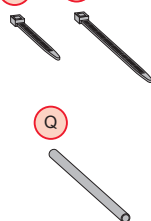
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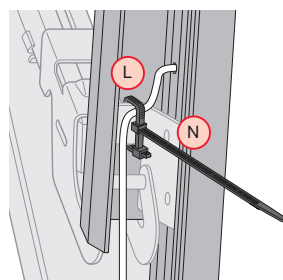
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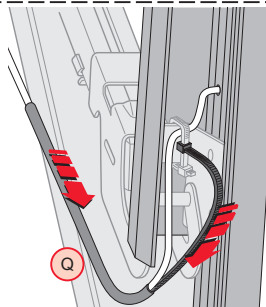
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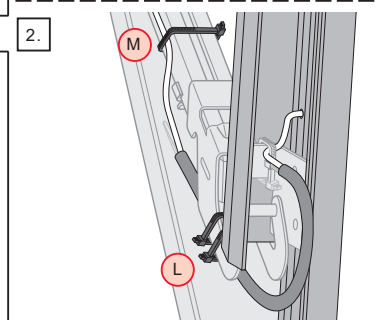
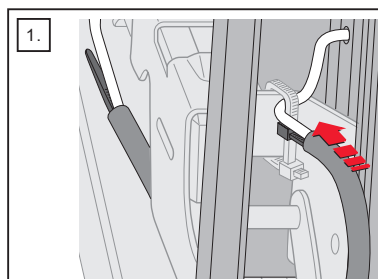
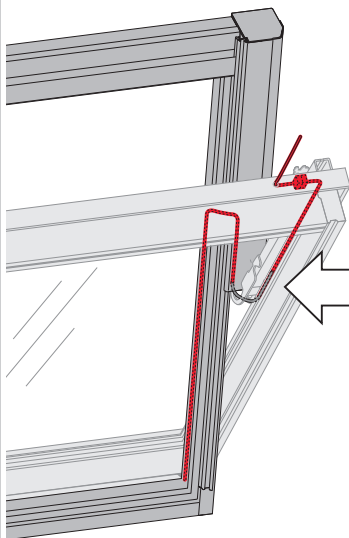
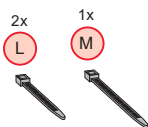
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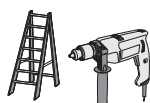
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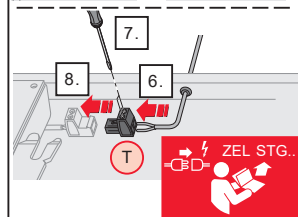
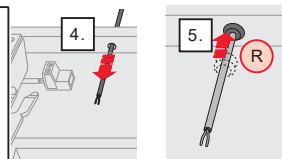
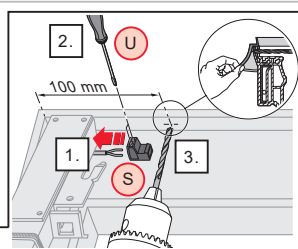
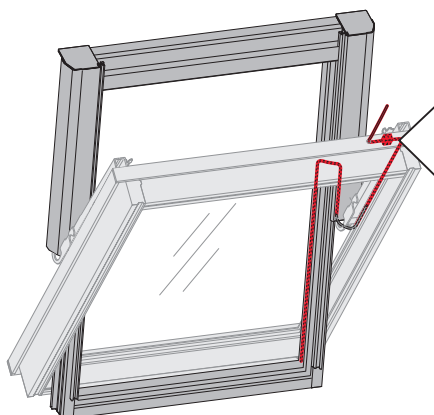
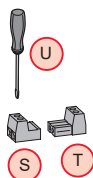
17 WDF 84.
R6.
R8.



18 WDF 84.
R6.
R8.



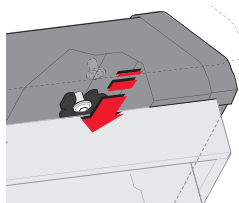
Ø 10 mm



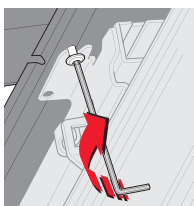
19 WDF 84.



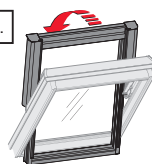
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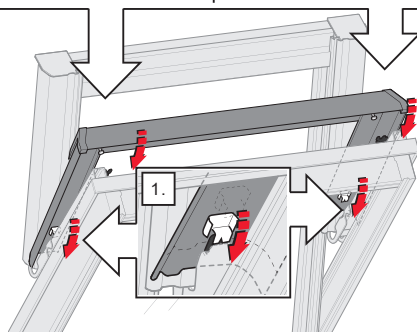
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4.



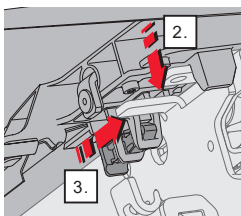
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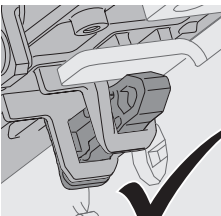
19 R6.
R8.



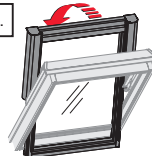
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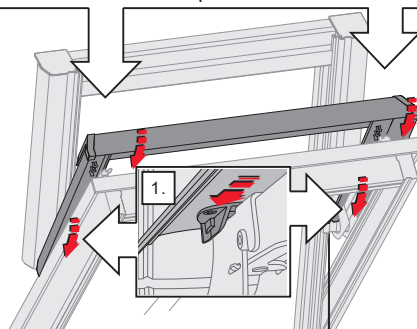
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4.



5.



1

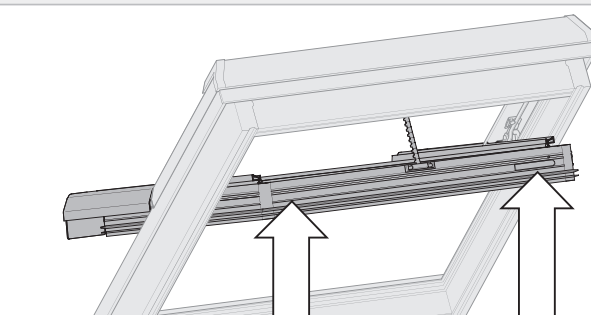
WDT/E_
i8



Ø 4,2 mm



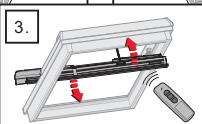
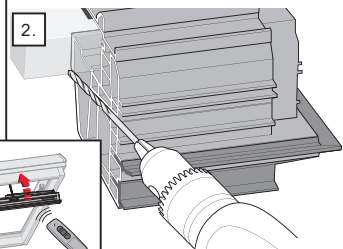
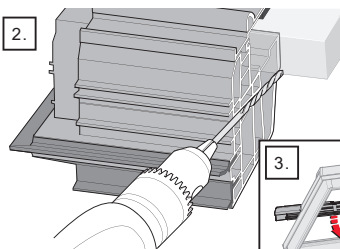
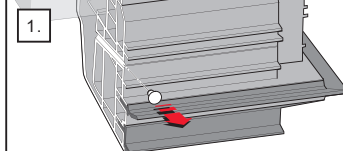
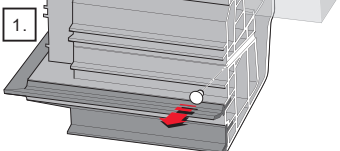
V



R6 E_..H/K

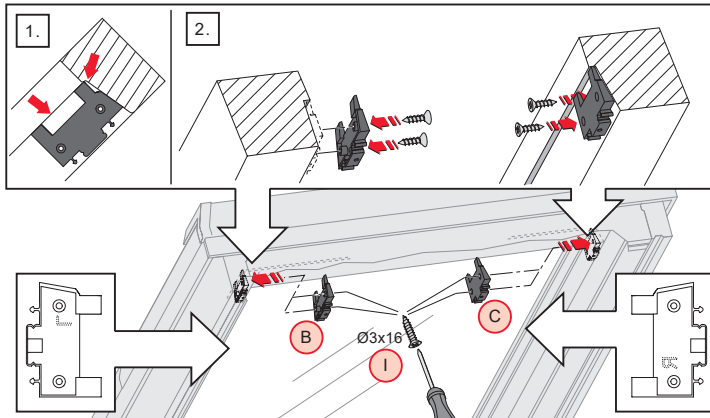
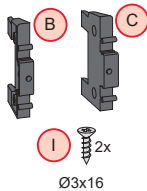
i8.K

WDT 6..H/K



2

WDT/E_
i8



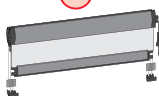


3

WDT/E_
i8

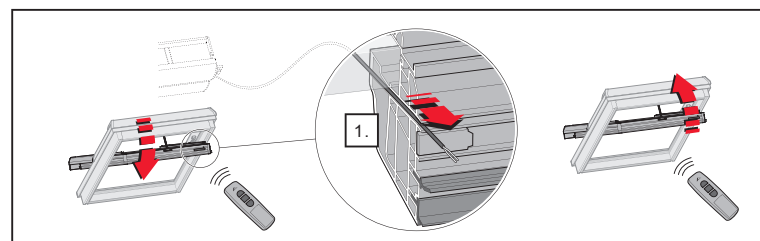


A

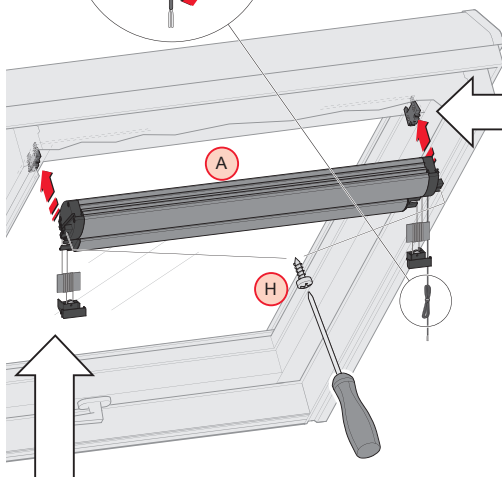
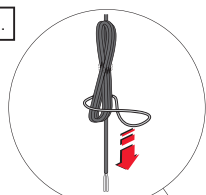


H

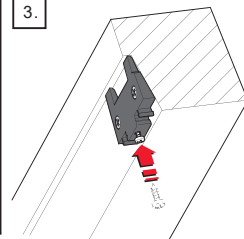
2x
Ø3x10



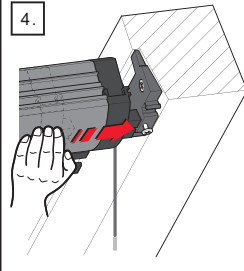
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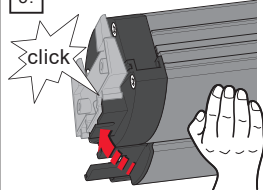
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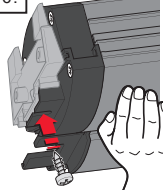
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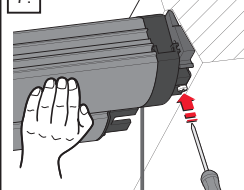
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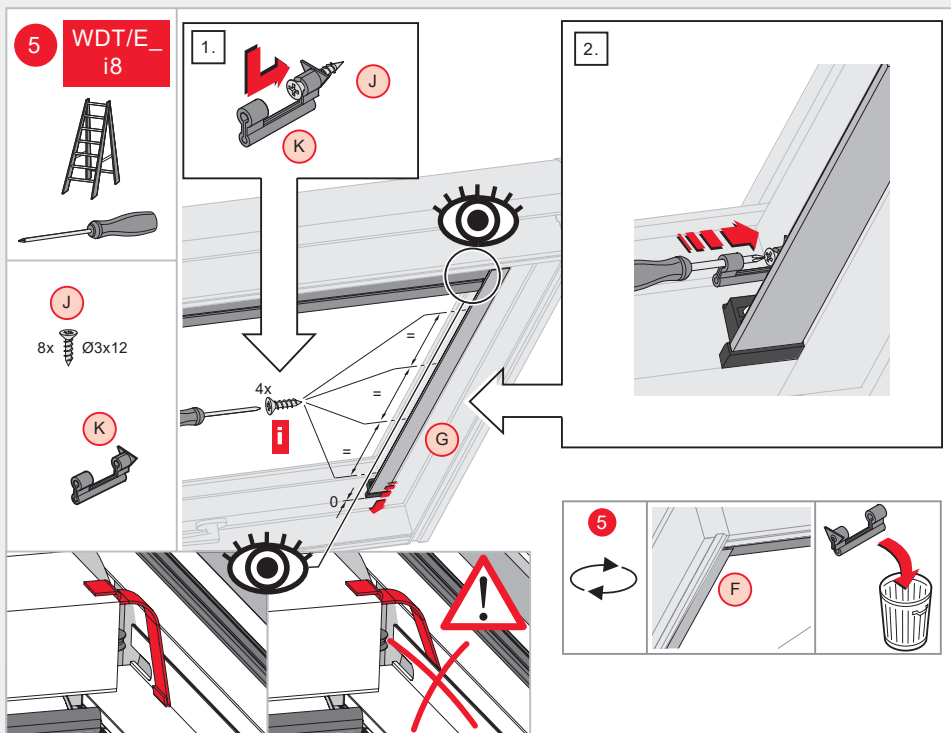
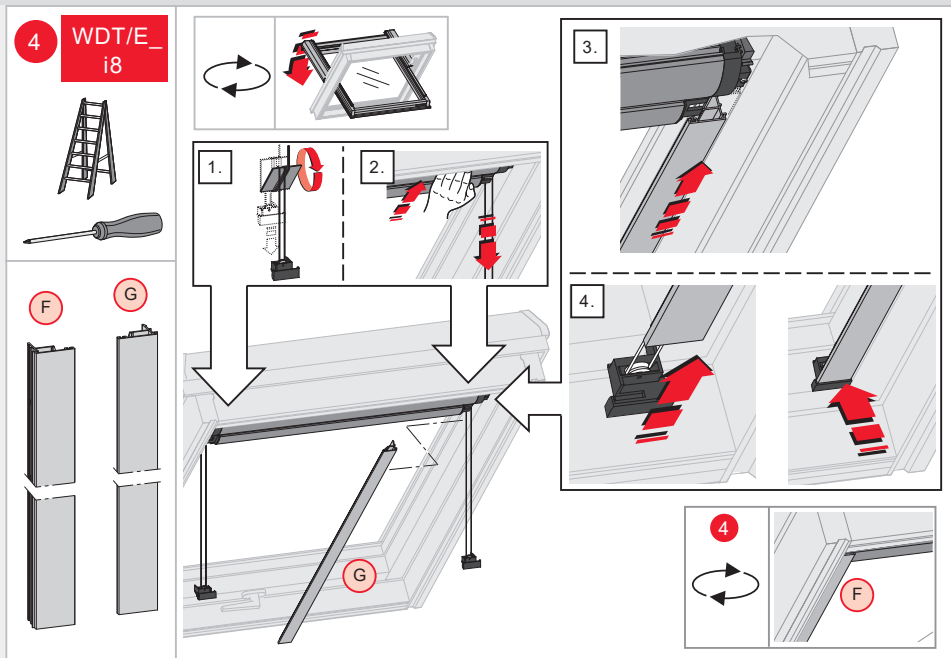


6.



7.







6 WDT/E_
i8

1.

2. Manueller Funktionstest
Manuel functional testing
Manualny test funkcjonowania

3.

7 WDT/E_
i8

D **E**

8 WDT 6

1.

2.

3. **4.**

5.

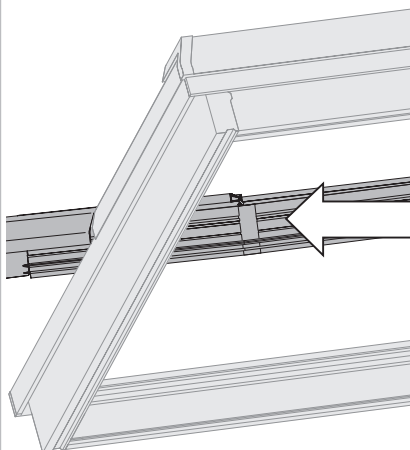
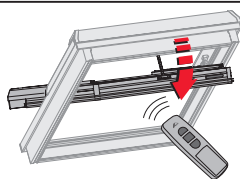
8

R6 E_



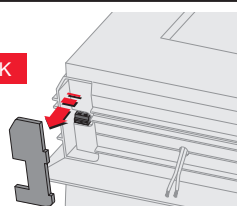
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1.

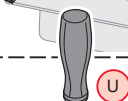
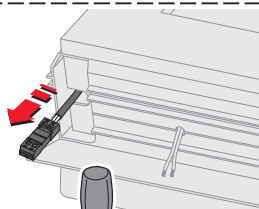


2.

R6 E_K

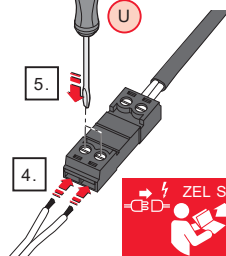


3.



5.

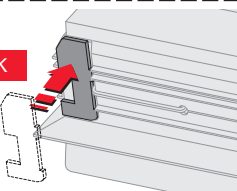
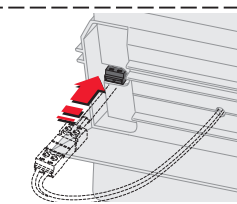
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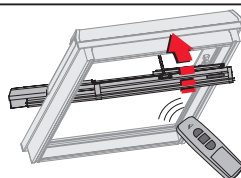
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7.

R6 E_K



8.





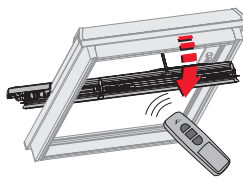
8

i8

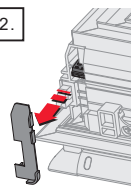


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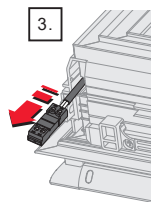
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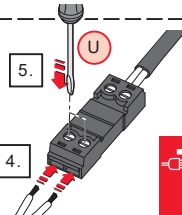
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3.



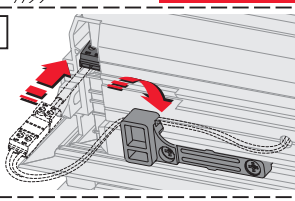
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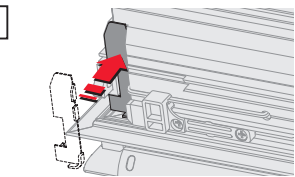
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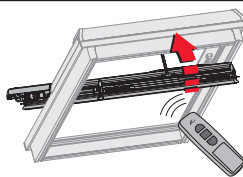
6.



7.

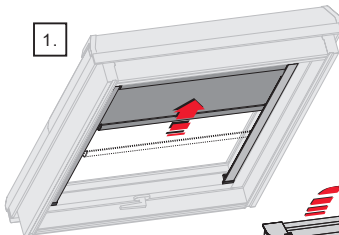


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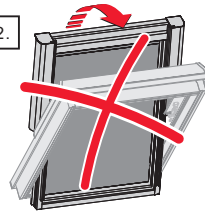


B1

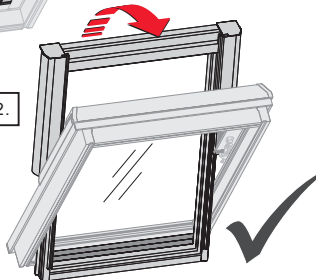
1.



2.



2.





The roof window.



www.roto-contacts.com



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EN GUARANTEE- Manufacturer's guarantee for the following countries.

DE GARANTIE - Herstellergarantie für die folgenden Länder.

PL GWARANCJA - Gwarancja producenta dla następujących krajów.

NL - GARANTIE - Garantie van de fabrikant voor de volgende landen.

FR - GARANTIE - Garantie du fabricant pour les pays suivants.

IT - GARANZIA - Garanzia del produttore per i seguenti paesi.

CZ - ZÁRUKA - Záruka výrobce pro následující země.

SK - ZÁRUKA - Záruka výrobcu pre nasledujúce krajiny.

HU - GARANCIA - Gyártói garancia a következő országokban.

DE / AT / CH / FR / NL / BE / LUX / LIE / IT / CZ / SK / PL / HU

For other countries please contact your distributor or contract partner.



www.roto-frank.com/dst/warranty

Roto Frank DST Vertriebs-GmbH

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97980 Bad Mergentheim

Deutschland

