

dormakaba ED 100 St Flex Secure Installation Guide

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dormakaba ED 100 St Flex Secure



Product Information

Specifications:

• Product Model: ED 100, ED 250 ESR

• Power Supply: 230V

• Mounting: Active and Passive leaf installation

• Tools Required: Torx T20, Open end spanner (4mm)

Product Usage Instructions

Preparation of Operator at Active Leaf:

- 1. Place the operator on the ground or table for preparation.
- 2. Install the brake inside the system girder based on the mounting side.
- 3. Slide the brake onto the motor shaft until it locks.
- 4. Insert the opening piston into the hole at the brake.
- 5. Attach the coupling piece for the active leaf onto guide A.
- 6. Secure the opening piston and reset the spring unit as per mounting instructions.
- 7. Insert the rod for the active leaf through the pressure plate and system girder openings.
- 8. Use an open-end spanner to secure the rod in place inside the coupling piece.

Preparation of Operator at Passive Leaf:

- 1. Prepare the operator at the passive leaf by placing it on a surface.
- 2. Insert the coupling piece for the passive leaf onto bar A and guide B inside the system girder.
- 3. Turn and fit the coupling piece into the opening at the system girder.
- 4. Slide the rod for the passive leaf onto the guide inside the system girder.
- 5. Use an open-end spanner to secure the rod in position inside the coupling piece.

Installation of Operators:

- 1. Fix the carry bar at the passive leaf and mount plates for both operators.
- 2. Connect the 230V supply to one of the mounting plates by qualified electricians.
- 3. Connect earthing cable for grounding.
- 4. Lay mains cable for the second operator in the mounting plates groove.
- 5. Mount both operators and attach a standard arm or slide channel.
- 6. Connect all required cables as per mounting instructions.

Frequently Asked Questions (FAQ):

• Q: Can I install this product without professional help?

A: No, electrical work must be performed by qualified staff (electricians) to ensure safety and proper installation.

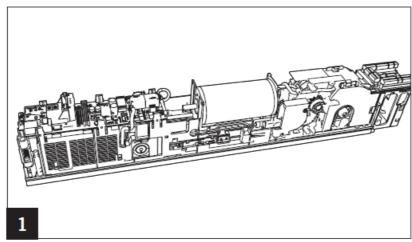
· Q: What tools are needed for installation?

A: You will need a Torx T20 screwdriver and an open-end spanner (4mm) for securing various components during installation.

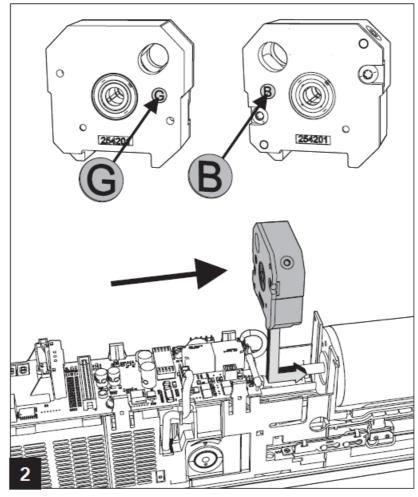
These instructions may only be used in conjunction with the mounting instructions for the ED 100/ED 250. Especially the safety instructions on page 3 of the ED 100/ED 250 mounting instructions have to be considered!

Preparation of operator at active leaf

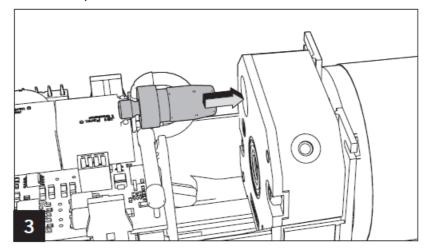
• Put the operator onto the ground or a table to prepare it.



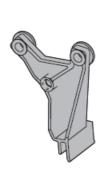
- Install the brake inside the system girder depending on the respective way of mounting (on the hinge side/opposite hinge side) before mounting the motor shaft.
 - With mounting on the hinge side, the letter "B" must be visible when you look at the system in the direction of the arrow.
 - You must see the letter "G" in the direction of the arrow if the system is mounted on the opposite hinge side.
- Slip the brake onto the motor shaft until it locks in position.

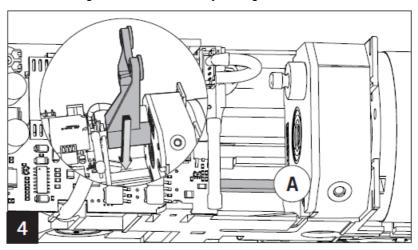


• Insert the opening piston into the provided hole at the brake.



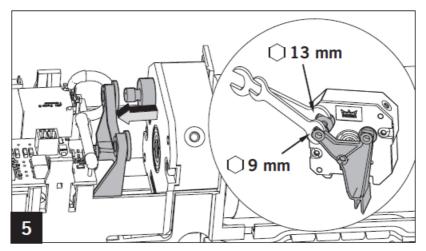
• Insert the coupling piece for the active leaf onto guide "A" inside the system girder.



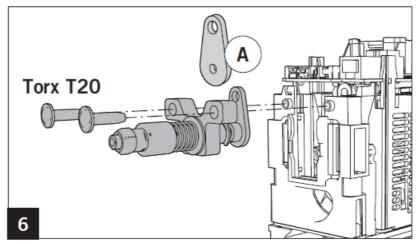


• Fix the opening piston inside the respective hole of the coupling piece in accordance with the prevailing way of

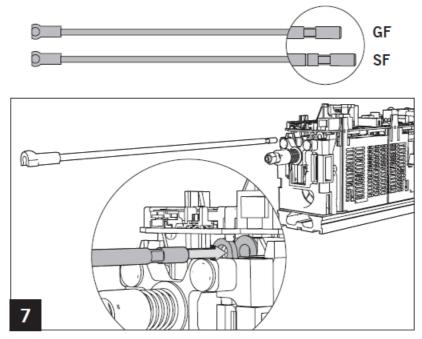
mounting.



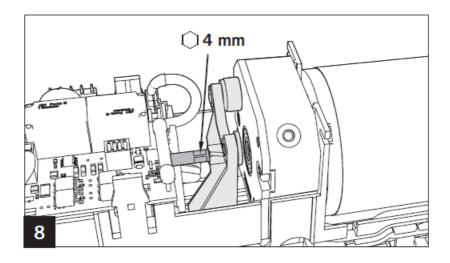
- Fix the reset spring unit on the face side of the system girder with screws.
- Ensure that pressure plate "A" is in the correct position.



- Insert the rod for the active leaf (GF) from the face side through the remaining hole in the pressure plate into the respective openings of the system girder.
- You can distinguish the rod for the active from the rod for the passive leaf (SF) as follows:
- The rod for the passive leaf is longer and has an additional groove.

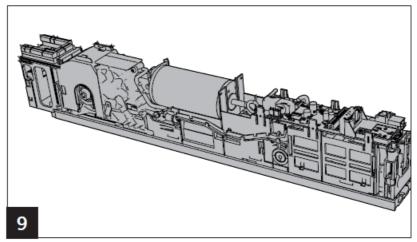


• Use an open-end spanner to fix the rod until it locks in position inside the coupling piece.

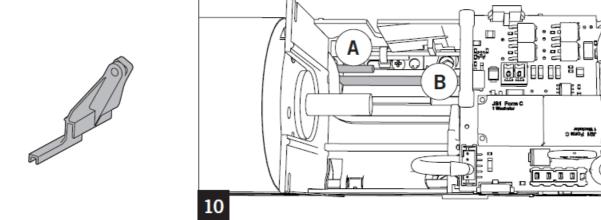


Preparation of operator at passive leaf

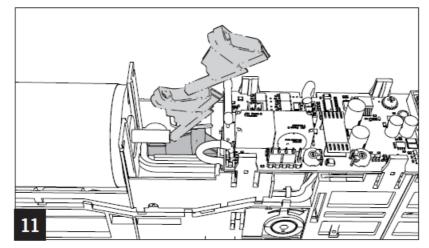
• Put the operator onto the ground or a table to prepare it.



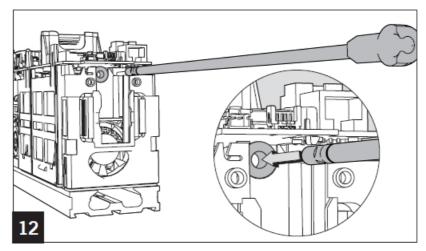
• Insert the coupling piece for the passive leaf onto bar "A" and guide "B" inside the system girder.



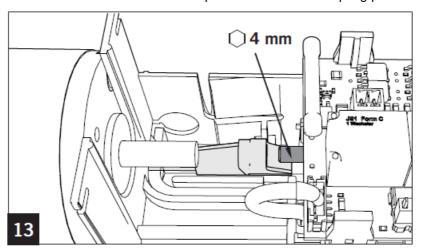
• Turn the coupling piece while fitting it inside the system girder; then put it into the provided opening at the system girder.



• Slip the rod for the passive leaf from the face side onto the guide inside the system girder.

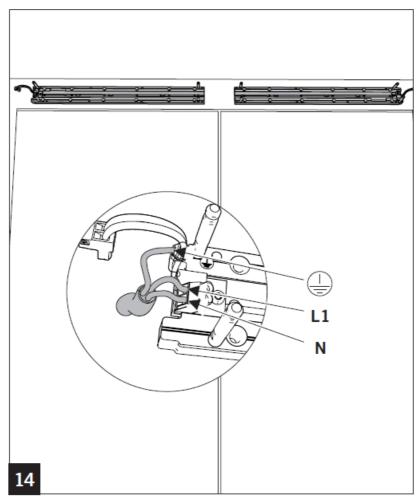


• Use an open-end spanner to fix the rod until it locks in position inside the coupling piece.

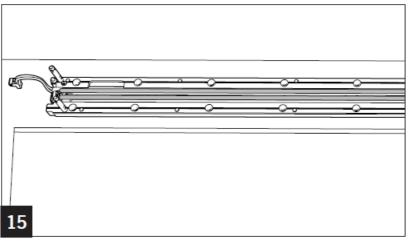


Installation of operators

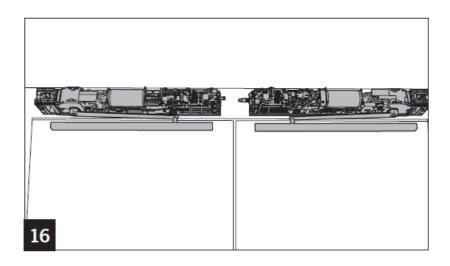
- Fix the carry bar (not included in the scope of delivery) at the passive leaf.
- Fix the mounting plates for both operators.
- Please consider the mounting instructions for the ED 100/ED 250 accompanying the operators.
- Connect the 230 V supply at one of the mounting plates.
 - Work on electrical equipment may only be performed by properly qualified staff (electricians).
 - Connect earthing (grounding) cable.



- Lay the main cable for the second operator inside the groove of the mounting plates.
- Also lay the cable for the program switch and, if required, further cables inside the provided groove.

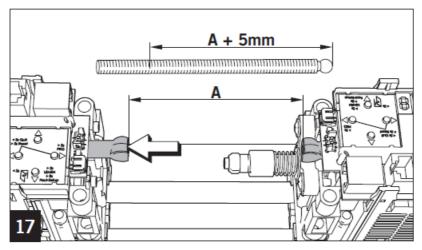


- Mount both operators.
- Then mount the standard arm or the slide channel.
- Connect all required cables.
- Please consider the mounting instructions for the ED 100/ED 250 accompanying the operators.

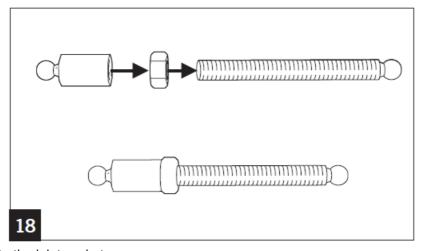


Linking the two operators

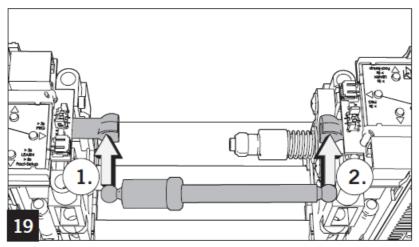
- 1. Move the joint socket at the passive leaf towards the operator.
- 2. Measure the clearance between the two joint sockets (dimension A).
- 3. Cut the threaded rod to length (dimension A + 5 mm).



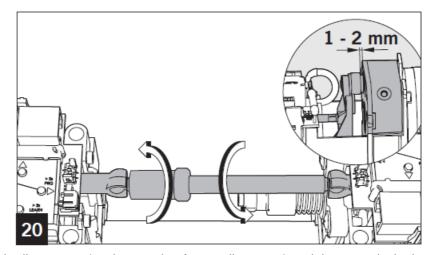
• Fix the counter nut and the ball end loosely onto the threaded rod (at the side where you cut it to length).



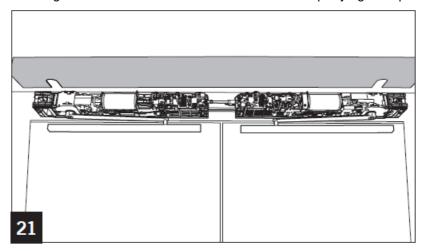
- Clip the ball ends into the joint sockets.
- First, insert the preinstalled ball end into the joint socket at the side of the active leaf, and then clip the other ball end into the joint socket at the side of the passive leaf.



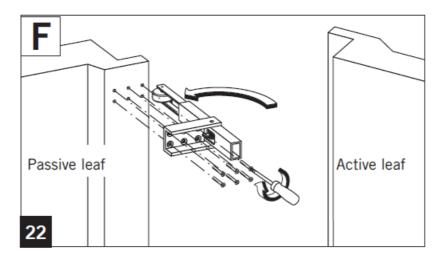
- · Length adjustment is realized by turning the rod.
- A clearance of 1-2 mm is required between the collar of the coupling bolt and the brake.
- Open both door leaves and then trigger a closing cycle in order to check if the passive door leaf remains in the
 waiting position.
- Lock the coupling bolt with the aid of the nut.



- Perform mechanical adjustments (such as spring force adjustment) and the commissioning; then mount the cover.
- Please consider the mounting instructions for the ED 100/ED 250 accompanying the operators.



• With fire doors: mount the tap as indicated in instructions 054859 45532.



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Documents / Resources



dormakaba ED 100 St Flex Secure [pdf] Installation Guide ED 100, ED 250 ESR, ED 100 St Flex Secure, ED 100, St Flex Secure, Flex Secure, Secure

References

• User Manual

Manuals+, Privacy Policy

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