

N° 2118

12/19

Maintenance booklet and removal manual

MiniMax Shutter

47 step



Maintenance and inspection booklet

Intervention frequencies

Operating mode	Number of visits per year	Maximum number of cycles between visits
Hold to run	1	2500
Mixed	2	2500

Site address :

Status and name of the fence element :

Maintenance check points (see enclosed maintenance booklet)



Clean the shutter regularly with clear water.
The use of detergent may degrade the color or gloss of the coating.



Remove the inspection hatch from the housing for maintenance.

A/ Shutter

- **Checking the shutter fasteners on the axis :**
 - Condition of the shutter fasteners.
- **Vertical slat alignment check.**
- **Checking the condition of the slats and joints** (shocks/dirt, etc.).
- **Checking side clearances.**
- **Function check of the lock :**
 - Status of automatic locks.

B/ Axis

- **Opposite side to the operator :**
 - Check the condition and tightness of the fastening screws securing the anti-fall guard to the cheek plate.
 - If the anti-fall guard is triggered due to mechanical failure, its replacement is mandatory.
 - Check the tandem clamping screw for tightness.
 - Check the tandem/tube connection screws.
- **Operator side :**
 - Check the operator/tube connection screws.
 - Check the condition and tightness of the fixation screws securing the operator to the plate.

C/ Guiding rails and housing

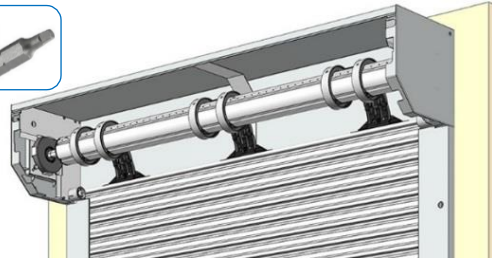
- **Checking the guiding rail fasteners on the framing.**
- **Checking the cheek plate or housing fasteners on the framing.**
- **Checking the condition of the guiding rails and cheek plates** (internal clearances, no unevenness).
- **Clean the inside of the guiding rails and cheek plates.**
- **Check the guiding rail/cheek plate connection** (no unevenness).
- **Check the appearance of the guide rollers.**
- **Check the alignment of the cheek plates** (perpendicular to the header and parallel to each other).

D/ Electrification

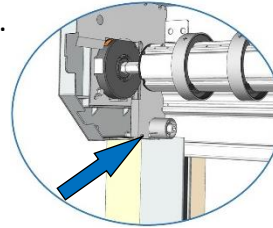
- **Check the value of the supply voltage.**
- **Check the state of the electrical wiring and its protection** (circuit breaker).
- **Check the electrical operation of the operator.**
- **Check functioning of emergency operation.**
- **Check the setting and operation of the power circuit breaker** (it must be located close to the shutter).
- **Check the current consumption during operation and the operation of the thermal operator protection circuit breaker.**

Removal instructions

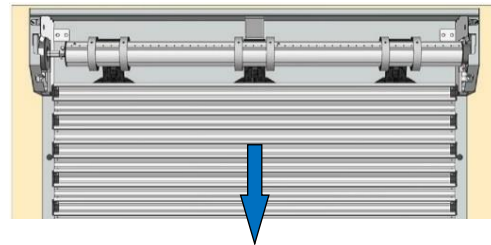
1. Disassemble the inspection hatch of the housing.



2. Electrically raise the shutter and manually remove the final blade from the guiding rails.
To do this, increase the stroke of the high limit switch.
If necessary, disassemble the guide rollers.

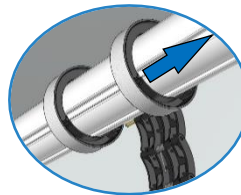


3. Lower the shutter completely out of the guiding rails.

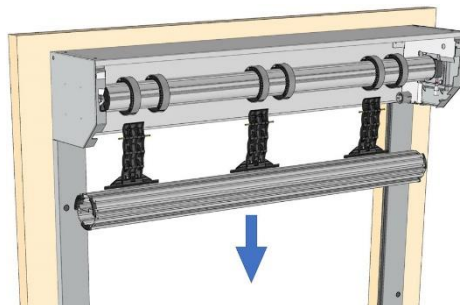


4. Disconnect the operator and controls.

5. Remove the screws from the lock rings and pull the rings apart.



6. Remove the shutter.



7. Remove the fastening screws from the housing and the guiding rails.