



# MAINTENANCE MANUAL

维保手册

# **Augusta Landing Door**

Code:MM.2.004866.EN

EN Version: -

Date: 25-03-2019



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Congratulations on choosing a WITTUR product!

Before starting the installation of this product, read the information contained in this document.

You will find important warnings on how to assemble and maintain your WITTUR product in good operating conditions and to get the maximum of your investment.

You will also find important information concerning the product care and maintenance which are an important factor to ensure safety at all times.

WITTUR has long been involved in research aimed at reducing noise level and in design that takes into due consideration the product quality and the conservation of environment.



This document is an integral part of the supply and must be available in the lift power room at all times.

All products are provided with identification type label and in case with certification marks in accordance with the current rules.

In case of need concerning the product, the identification data on the label must be always communicated to us.

We hope you will get full satisfaction from this **WITTUR** product. Yours faithfully.

WITTUR

The points that are important under the safety viewpoint and danger warnings are indicated with these symbols:



Danger general



Important warnings



Risk of personal injury (e.g. sharp edges, protruding parts)



Risk of damage to mechanical parts (e.g. incorrect installation)



Live parts





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#### **WARNINGS**

- WITTUR will not be held liable for any damage caused by tampering of the packing material by thirds.
- Before starting assembly, check that the product received corresponds to the order and to the packing list and that no damage has occurred in transit.
- Within its policy of continual research, WITTUR reserves to make changes to its products without notice. The figures, descriptions and data contained in this manual are intended as purely indicative and not binding.



- To ensure the safety of the product, avoid any alteration or tampering.
- WITTUR liability will be limited to the original components only.
- WITTUR product is intended for use in the lift sector only, therefore WITTUR liability shall be limited to such use.
- This product is intended for professional use. Any improper use, including for hobby or DIY, is prohib-



- In order to prevent any injury to persons and damage to property, the handling, installation, adjustment and maintenance must be carried out by suitably trained personnel, using appropriate clothing and equipment.
- Any masonry work connected with the correct installation of the product must be executed in a workmanlike manner according to the applicable laws.
- The connection of the electric/electronic units to the local power supply must be executed in a workmanlike manner according to the applicable laws.
- All metal parts supporting the electric/electronic units must be connected to an earth system in a workmanlike manner according to the applicable laws.



- Before connecting the product to the power supply check that the product's requirement corresponds with the power supply available.
- Before starting any work on the electric/electronic components disconnect power from the system.
- WITTUR shall have no responsibility on the execution of masonry works or the connection of electric/electronic components to the power supply.



- WITTUR shall not be liable for damages/injury to property/persons caused by improper use of the emergency opening devices.

#### **SUGGESTIONS**

- Keep the material in the original packing, protected from bad weather and direct exposure to sun during the storage period in order to avoid the accumulation of water/condensation inside the packing material.
- Never dispose of packing material in the environment.
- Once dismantled, the product should be conveniently disposed as provided for by the local laws; never dispose of in the environment.
- Whenever possible, re-cycling is preferable to disposal in dump sites.
- Before re-cycling check the nature of the various materials and re-cycle in the appropriate way.





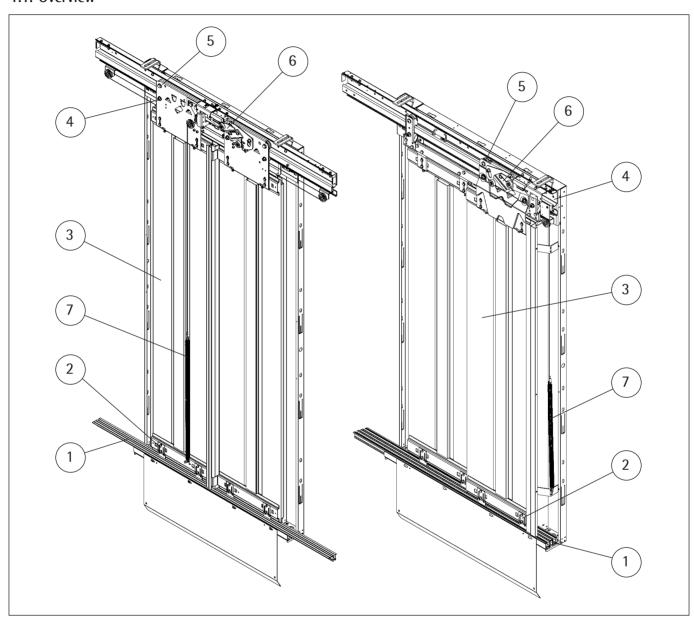
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#### 1. PREVENTIVE MAINTENANCE

#### 1.1. Overview



Note: M = Months F = Millions of Starts

#### **Landing Door Miscellaneous**

Interval	Pos. No	Description	Time (minutes)	Details Given In
12 M	-	Check for damages	5	
12 M	-	Check for corrosion	5	Section 1.1
12 M	-	Clean and dry mechanism	5	
12 M	4	Clean main tracks, no oiling	5	
12 M	1	Clean landing sills	10	Section 1.1
12 M	1	Check sill gap	5	





 
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# **Landing Door Miscellaneous**

Interval	Pos. No	Description	Time (minutes)	Details Given In
12 M	3	Check vertical parallelism of door panels	10	
12 M	3	Check alignment of door panels	5	
12 M	-	Check gaps between door panels and frames	5	Section 5; 6
12 M	-	Check gaps between door panels and door sill	5	Section 5, 6
12 M	-	Check if no tilt of panels	5	
12 M	_	Check easy and smooth running of door panels	10	
12 M	5	Check main rollers, counter rollers and retaining washers	15	C 1: 0.1
18 M	2	Check guiding shoes	5	Section 2.1; 2.2; 2.3; 11.7
12 M	7	Check if the door re-closes automatically	-	2.2, 2.0, 11.7

### **Landing Door Specials**

Interval	Pos. No	Description	Time (minutes)	Details Given In
12 M	_	Check adjustment of landing door interlock	15	Section 4.1
12 M	-	Check door unlocking device	15	Section 8

# Landing Door Miscellaneous

Interval	Pos. No	Description	Time (minutes)	Details Given In
12 M	6	Check of penetration of hook lock and lock engage 10		
12 M	6	Check the unlocking device activity	k the unlocking device activity 10	
12 M	6	Correct function and bearing play of lock roller and lock bearing	5	
12 M	6	Condiction of contact bridge	5	Section 3; 4
12 M	6	Condiction of safety contacts	5	3cction 3, 4
12 M	6	Check lock roller	10	
12 M	6	Check safety contact	10	
12 M	6	Check contact bridge	10	

### Replacement

Interval	Pos. No	Description	Time (minutes)	Details Given In
12 M	3	Door panel check condition and replace if damaged or causes malfunctions	15	Section 11.1
12 M	5	Door main roller check condition and replace if damaged or causes malfunctions	5	Section 11.2
12 M	5	Door counter roller check condition and replace if damaged or causes malfunctions	5	Section 11.3
12 M	6	Door buffer check condition and replace if damaged or causes malfunctions	5	Section 11.4
12 M	6	Door lock buffer check condition and replace if damaged or causes malfunctions	5	Section 11.5
12 M	2	Door sliding shoe check condition and replace if damaged or causes malfunctions	10	Section 11.7
12 M	6	Door lock roller check condition and replace if damaged or causes malfunctions	10	Section 11.6





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### 2. RE-CLOSING DEVICE

# 2.1. Type 01C



Step	Action	Note
1	The door will close from 0 to 15 cm from its center.	Open the door for 15 cm, the re-closing spring must close it, if not, increase the spring tension with closing rope.
2	Check that the anti-tip rollers are slightly pressed (finger-tight) against the rail profile.  If needed, loosen the nut and adjust the eccentric roller using a hexagon key (see pag.6).	
3	Check that the wire ropes are not worn out.	





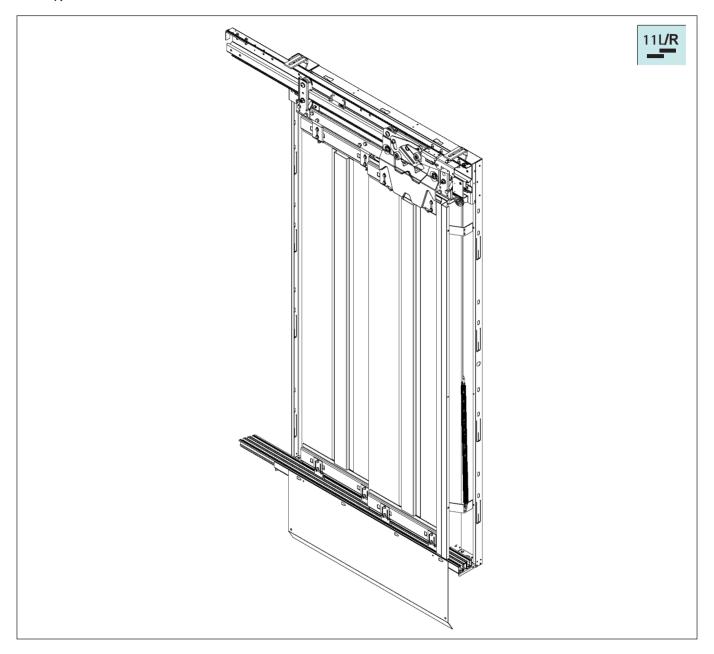
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# 2.2. Type 11L/R



Step	Action	Note
1	The door will close from 0 to 15 cm from the strike jamb.	Open the door for 15 cm, the re-closing spring must close it, if not, increase the spring tension with closing rope.
2	Check that the anti-tip rollers are slightly pressed (finger-tight) against the rail profile.  If needed, loosen the nut and adjust the eccentric roller using a hexagon key (see pag.6).	
3	Check that the wire ropes are not worn out.	





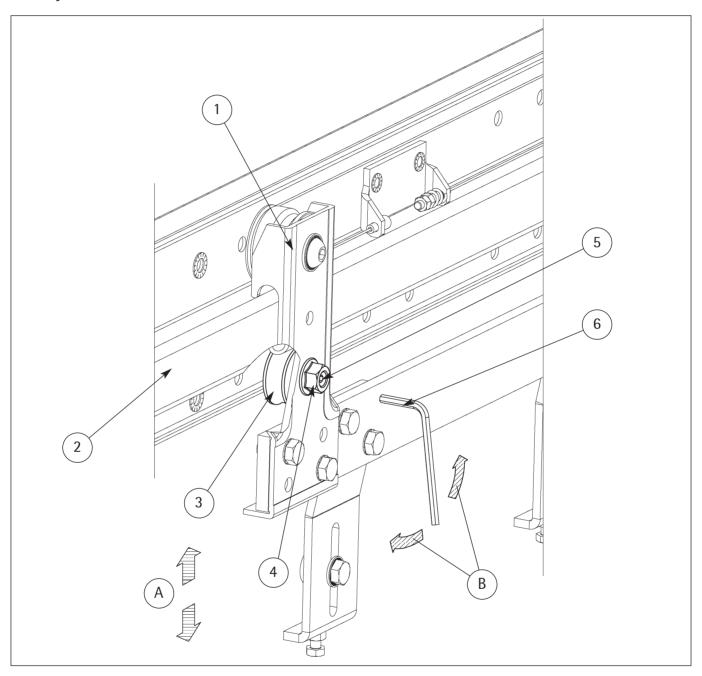
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# 2.3. Adjustment of eccentric rollers



Step	Action	Note
1	Loosen the bolt (4) with a 15 mm spanner and turn the eccentric bolt (5) clockwise or counter clockwise, as indicated by the arrows (B) with a 4 mm allen-key (6) so as to get rid of the play (A) between the guide and roller but leaving enough play to allow the roller to rotate freely. After this adjustment, tighten the fixing bolt (4).	To get rid of the play between the truck (1) and the sliding guide (2), adjust the eccentric roller (3) on the bottom.





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# 3. LOCK

Step	Action	Note
1	Close the door fully so that the hangers (1) are against the buffers (2) and check the lock function.  - The lock play should be 1.2-3 mm (not adjustable).  - Ensure the lock play does not break the door contact (3) function.  - Before the hook is engaged 7 mm (marked on the hook (4)) no electrical contact should happen.  This is guaranteed by certified design and production.  - 1-3 mm contact-bridge gap ensures correct electrical contact when hook (4) is closed.  Roller adjustment can reference the roller adjustment label on the top floor truck.	Hangers in closed position.  A  O1C  1  1  1  1  1  1  1  1  1  1  1  1



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Step	Action	Note
1	Close the door fully so that the hangers (1) are against the buffers (2) and check the lock function.  - The lock play should be 1.2-3 mm (not adjustable).  - Ensure the lock play does not break the door contact (3) function.  - Before the hook is engaged 7 mm (marked on the hook (4)) no electrical contact should happen.  This is guaranteed by certified design and production.  - 1-3 mm contact-bridge gap ensures correct electrical contact when hook (4) is closed.  Roller adjustment can reference the roller adjustment label on the top floor truck.	Hangers in closed position.  A  111L/R  2  3  4  PART. A  The trucks (1) must touch the rubbers (2) when the doors is
		closed.

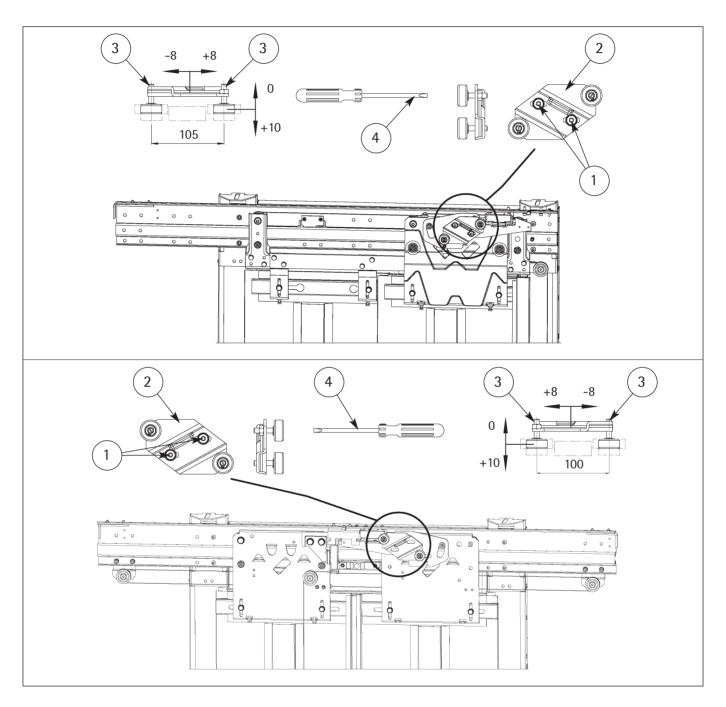


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### 4. ADJUSTMENT OF THE LOCK ROLLERS



Step	Action	Note
1	With a 5 mm allen-key, loosen screws (1) and set the alignment of the lock rollers (2), starting from the lowest level, as the car is operated upwards. Using a CH 13 spanner, loosen screws (3) and set theroller position with screw driver (4).	



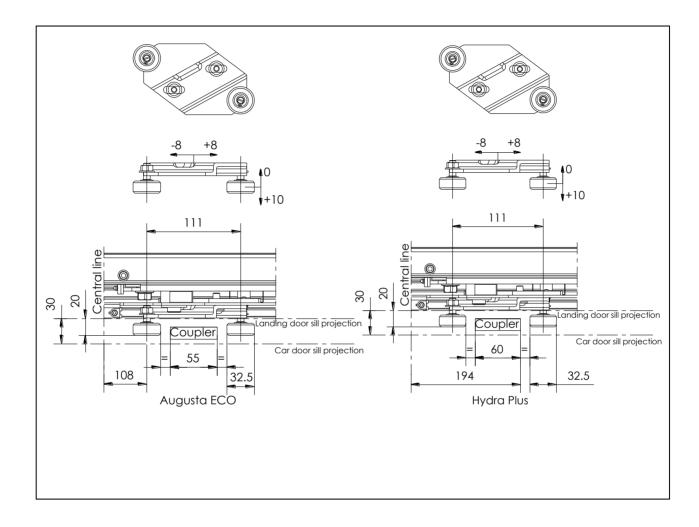


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# 4.1. Position of the coupler between the landing lock rollers



Step	Action	Note
1	Use 10mm spanner and 4mm allen key to loose the roller screw as shown,adjust the roller to right position,then tighten the screw.	The roller can adjust ±8mm in left and right direction, 0~10mm in front and back direction.



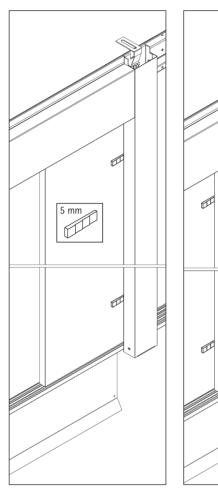


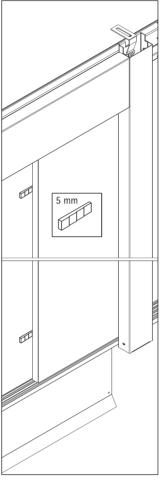
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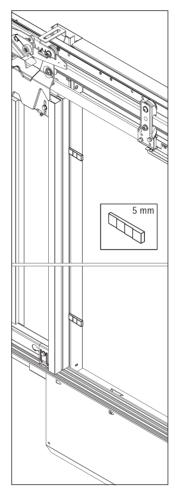
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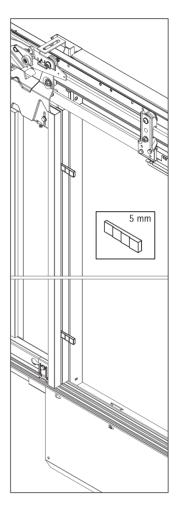
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### 5. ADJUSTMENT OF DOOR PANEL RUNNING CLEARANCE









Step	Action	Note
1	Close the door.	Hangers in closed position.
2	Check that the gap between panels or side post is 5 mm and even.	Adjust the panel rear top fixing and/or rear bottom guide, with spacers (A).
3	Open the door.	Hangers in open position.
4	Check that the gap between panels or side post is 5 mm and even.	Adjust the panel front top fixing and/or front bottom guide.





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# 6. ALIGNMENT OF DOOR PANELS

Step	Action	Note
	Open the door.	Hangers in open position.
1	Adjust the door panel vertically against side post or door panel.  - Adjust rear or front shim package.	



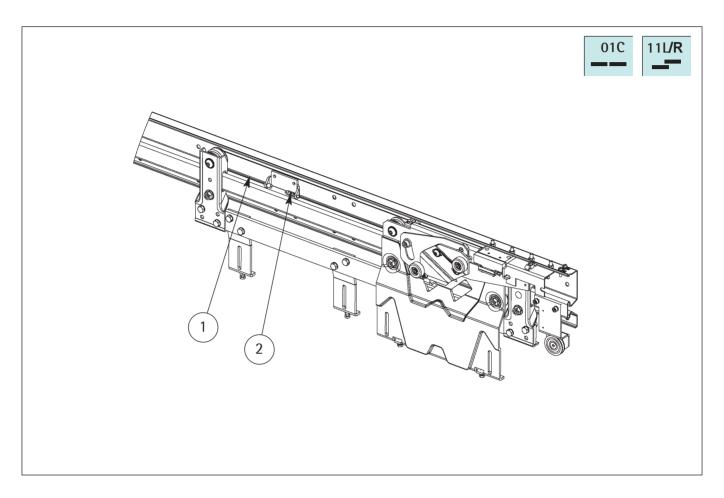
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# 7. TRASMISSION CABLE



Step	Action	Note
1	The trasmission cable is pretensioned by a spring.	Only when replacing the cable (1) make sure that the spring (2) is compressed by 3 mm.

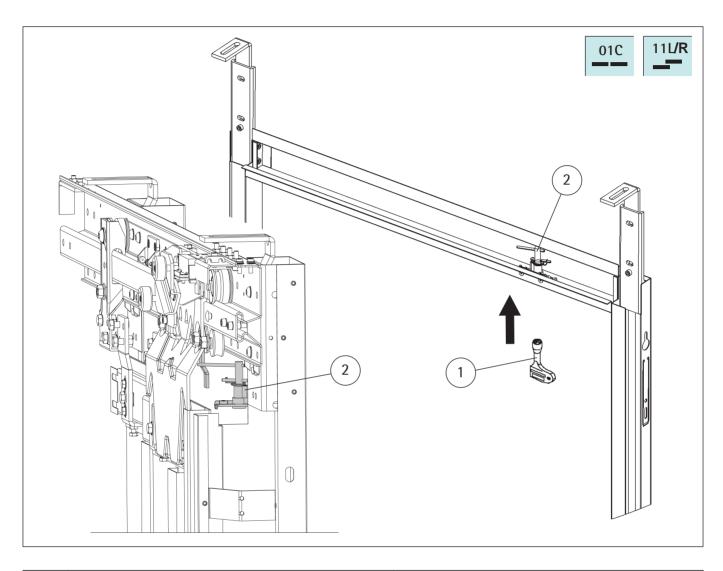




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# 8. CHECK DOOR UNLOCKING DEVICE



Step	Action	Note				
1	Engage the door unlocking device (2) and check its function using the unlocking key (1)	Unlocking device without adjustments. According to EN81-20/50				
		8	LH	Unlocking Key	Note	
		8	2000	2C1A231534	STD	
		8	2100	C3201159165L020	L=200MM	
			2200	032011391031020	L-200IVIIVI	
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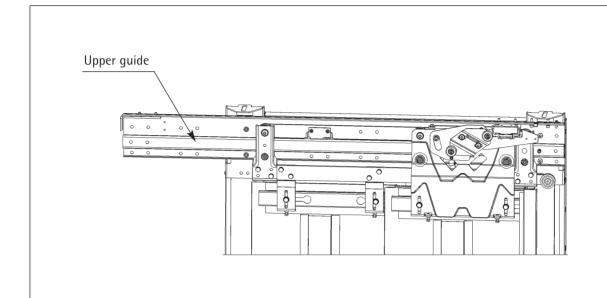
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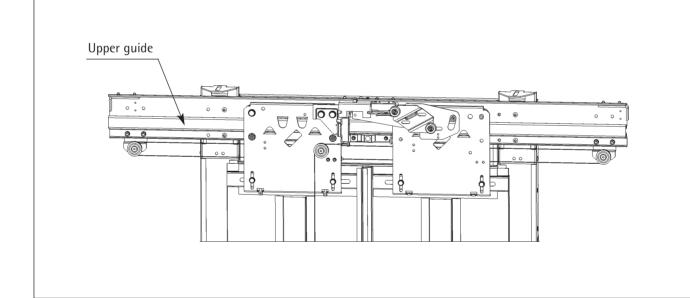
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#### 9. LUBRICATION





Ste	Action	Note
1	Do not try to grease the upper guides.	It is important to keep clean themechanism for
2	Do not try to grease the roller bearings.	Augusta doors.





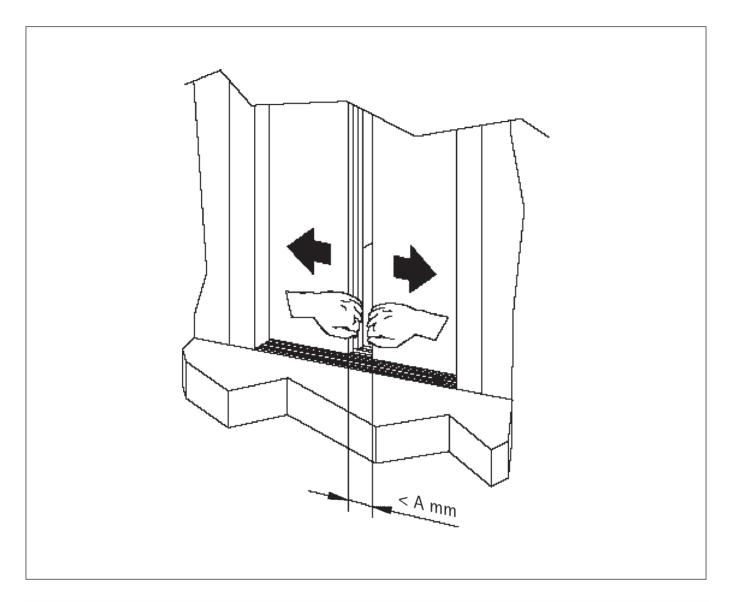
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# 10. MECHANICAL STRENGTH



Step	Action	Note
1	Close (lock) the door.	
2	To apply a manual force of 150N in the direction of the opening of the leading door panels.	The measured values (A for EN81) shall not exceed: - 30 mm For side opening doors - 45 mm In total for centre opening doors
3	If the maximum tolerance has been reached check the door panels adjustment and condition of counter roller bellow main track.	





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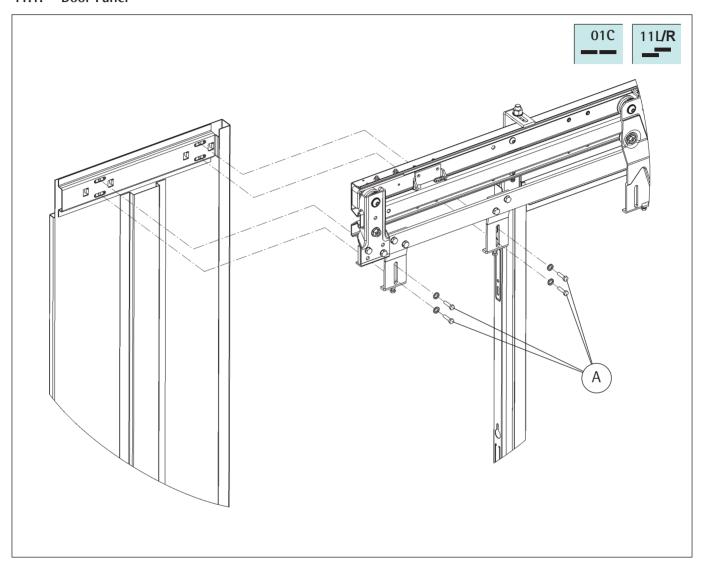
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### 11. REPLACEMENT

# 11.1. Door Panel



Step	Action
1	Close the door.
2	Loosen the screws (A).
3	Open the door.
4	Remove landing door panels.





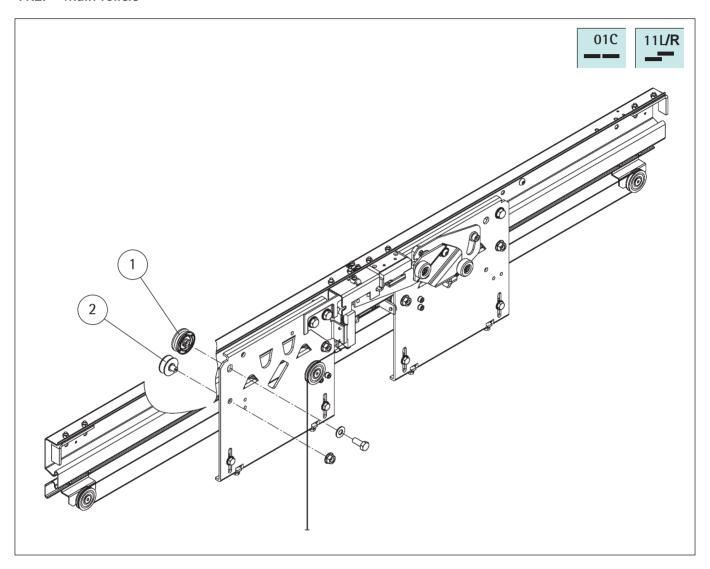
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#### 11.2. Main rollers



Step	Action	Note	
1	Disassembly old main rollers.	<ul> <li>a) Remove door panel.</li> <li>b) Remove fixation nut of counter roller.</li> <li>c) Remove counter roller (2).</li> <li>d) Remove fixation screw of main roller.</li> <li>e) Remove old main roller (1).</li> </ul>	
2	Assembly new main rollers.	<ul> <li>a) Mount new main roller (1) and tighten fixation screws.</li> <li>b) Remount counter roller (2) and fixation nut without fixing.</li> <li>c) Adjust counter roller (see 2.3).</li> <li>d) Tighten fixation nut of counter roller.</li> <li>e) Remount door panel.</li> <li>f) Adjust panel (see 5 and 6).</li> <li>g) Check movement of the door.</li> </ul>	





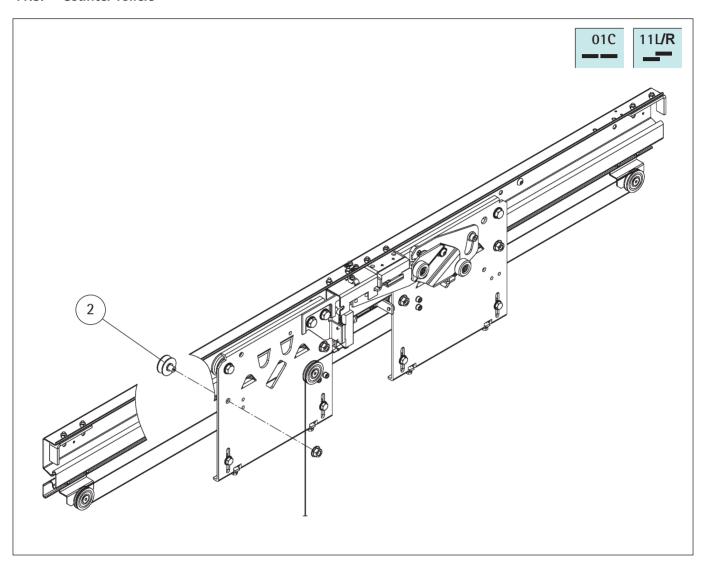
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#### 11.3. Counter rollers



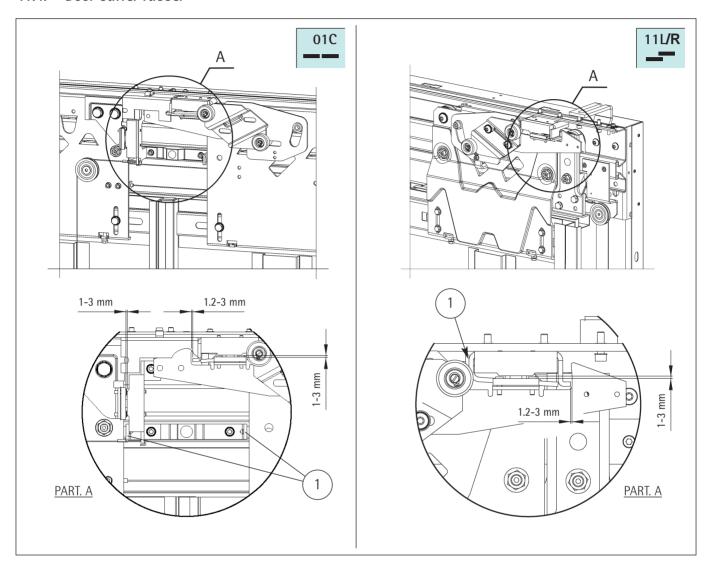
Step	Action	Note
1	Disassembly old counter rollers.	<ul><li>a) Remove fixation nut of counter roller (2).</li><li>b) Remove old counter roller (2).</li></ul>
2	Assembly new counter rollers.	<ul> <li>a) Mount new counter roller (2) and remount nut without fixing.</li> <li>b) Adjust counter roller (see 2.3).</li> <li>c) Tighten fixation nut of counter roller.</li> <li>d) Check movement of the door.</li> </ul>





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#### 11.4. Door buffer rubber



Step	Action	Note
1	Disassembly door buffer rubber.	Remove the old door buffer rubber (1).
2	Assembly door buffer rubber.	Mount the new door buffer rubber (1) with only finger pressure.





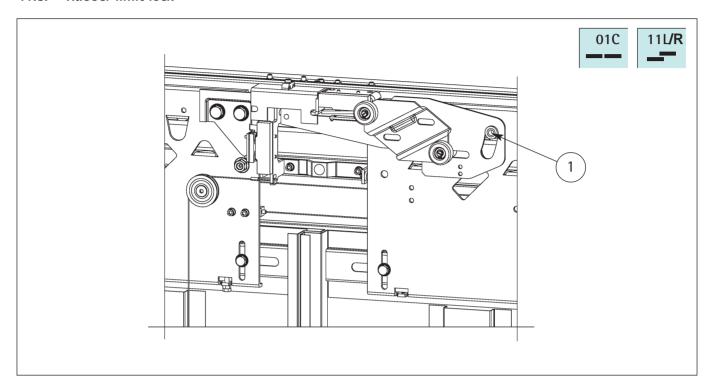
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#### 11.5. Rubber limit lock



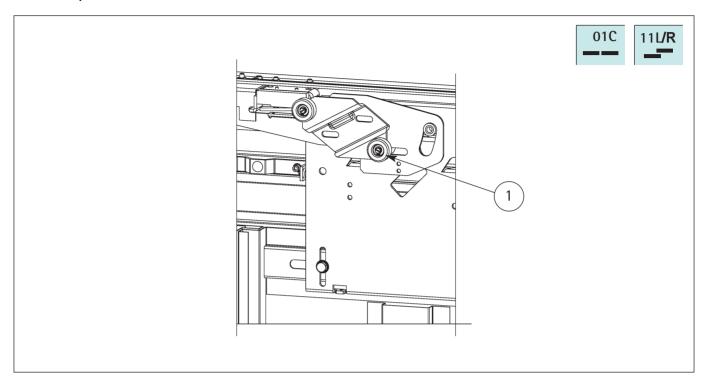
Step Action Note		Note		
Ī	1 Disassembly rubber limit lock.		Remove fixation screw of old rubber limit lock (1).	
	2	Assembly rubber limit lock.	Tighten fixation screw of new rubber limit lock (1).	





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# 11.6. Replace lock rollers



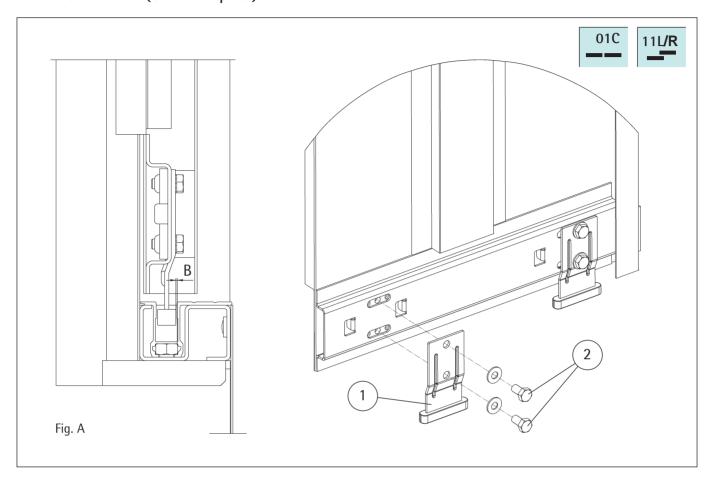
Step Action Note		Note		
1 Disassembly lock rollers.		Disassembly lock rollers.	Remove fixation seeger of old lock roller (1).	
	2	Assembly rubber lock rollers.	Mount fixation seeger of new lock roller (1).	





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# 11.7. Guide shoes (Check - Replace)



Step	Action	Note
1	Check gap at the sill.	If the gap "B" > 3 mm replace the guide shoe (see Fig. A).
2	Disassembly guide shoes without remove landing door panels.	Loosen the fixation screws (2) and remove old guide shoes.
3	Assembly guide shoes to the landing door panels.	<ul><li>a) Insert the new guide shoes and tighten the fixation screws (2).</li><li>b) Check movement of the door.</li></ul>





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# WARNINGS ON HOW TO KEEP THE DOORS IN GOOD OPERATING CONDITIONS



In order to prevent failures or incorrect operation and to maintain the system in good conditions, the technical efficiency of the system should periodically be checked, to ensure compliance with the applicable laws.

The technical efficiency depends on various factors such as:

- Work load
- Years of operation
- Door weight
- Climatic and environmental conditions
- Cleanness of environment
- Correct maintenance
- Ftc.

#### And it can affect:

- Clearance/interference between the doors, and between the doors and posts according to the applicable laws
- Clearance of coupling device
- Status/conditions of fixing and coupling elements
- Conditions of parts affected by wear
- Efficiency of the lock and relevant contacts
- Any other parts that may be affected by the type of application.

For these reasons it is not possible to establish a general part replacement programme beforehand.





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#### B

感谢您选择威特产品! 在开始安装本产品前,请先阅读本文中的信息。您将了解到很多有关组装和维护威特产品,确保其正常运行,并获得最大投资回报的重要注意事项。此外,您还可获得有关产品维护与保养方面的重要信息,这对于保证产品始终安全运行十分关键。威特长期以来一直致力于研发低噪音、高质量的环保产品。本手册随货发运,必须一直放在电梯机房内。按照当前规定,所有产品都配备用于识别的铭牌以及合格证标志。对于威特产品您如有相关需求,请将铭牌上的识别数据在知来的

据告知我们。

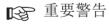
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您忠实的 威特

使用下列符号标示重要的安全信息和危险警告:



普通危险警示





有人员受伤的危险(如锐利的边缘、突出的部件等)

₹ 有机械部件损坏的风险(如安装错误等)



/ 带电部件





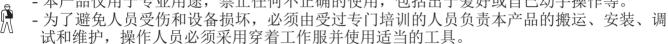
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## 警告

- 威特对由于第三方损坏包装材料引起的产品损坏不承担任何责任。
- 在开始组装前, 检查收到的产品是否与订单和装箱单一致, 以及产品在运输过程中有无损 坏。
- 威特采用持续研发战略,保留对产品改进的权利,恕不另行通知。本手册中包含的图片、 说明和数据,仅起参考说明作用,并无任何约束强制作用。



- 🤼 为确保产品安全,避免对产品进行任何变更或改动。
  - 威特仅承担与原装零部件相关的责任。
  - 威特产品仅限用于电梯行业: 因此威特仅承担其产品用于此类用途时的责任。
  - 本产品仅用于专业用途,禁止任何不正确的使用,包括出于爱好或自己动手操作等。



- 根据适用法律,任何与正确安装本产品相关的土建工作都必须以专业性的施工方法完成。
- 根据适用法律, 电气/电子元件与本地电源的连接都必须以专业方式完成。
- 根据适用法律, 所有电气/电子元件的金属支架都必须以专业方式接地。



- 在为本产品接通电源前, 检查确保可用电源符合本产品要求。
- 根据适用法律,在开始对本产品的任何操作前,电气/电子元件都必须以专业方式接地。
- 开始操作电气/电子元件前,请为系统断电。
- 威特不负责安装本产品时的土建工作以及电气/电子元件与电源的连接工作。
- 威特对由于紧急开门装置使用不当引起的人员受伤/财产损坏不承担任何责任。

#### 建议 建议

- 产品存放期间应放置在原包装内,以防恶劣天气影响和阳光直晒,从而避免包装材料内积 水/凝水。
- 禁止随意丢弃包装材料影响环境。
- 拆除的产品应按地方法律规定进行妥善处理,禁止随意丢弃影响环境。
- 尽可能不丢弃在垃圾堆中, 最好回收利用。
- 回收前请检查不同包装材料的材质,以适当的方式回收。



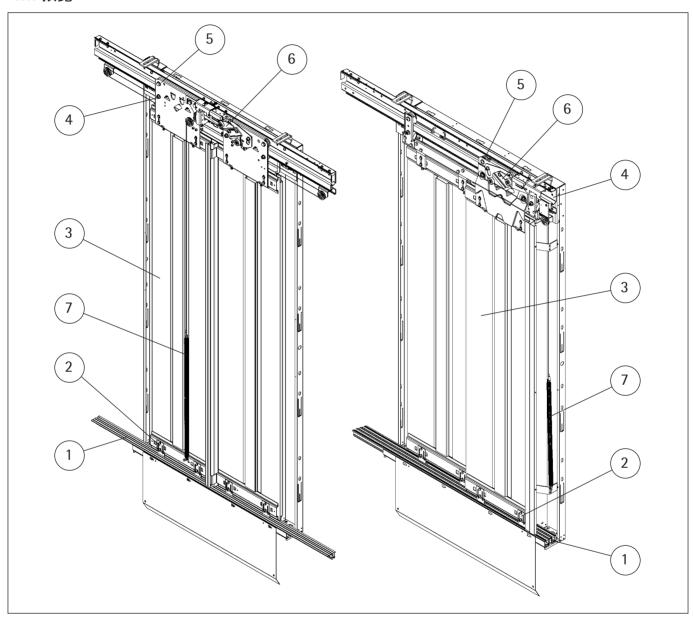


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# 1.维修准备

# 1.1. 预览



<u>注意</u>:M=月数 F=百万次动作

### 检查项目

间隔	编号	描述	时间 (分钟)	具体细节
12 M	_	检查是否有损坏	5	
12 M	-	检查是否有腐蚀	5	章节1.1
12 M	-	清洁和干燥过程	5	
12 M	4	清洁导轨,无油脂	5	
12 M	1	清洁厅门地坎	10	章节1.1
12 M	1	检查地坎间隙	5	





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# 检查项目

周期	编号	描述	时间 (分钟)	具体细节
12 M	3	检查门板平整度	10	
12 M	3	检查门板是否对齐	5	
12 M	-	检查门板与立柱间隙	5	章节5; 6
12 M	-	检查门板与地坎间隙	5	字   15, 6
12 M	-	检查门板是否倾斜	5	
12 M	-	检查门板运行是否平滑无阻力	10	
12 M	5	检查挂轮与下滑轮的磨损	15	±++0.4
18 M	2	检查导靴	5	章节2.1; 2.2; 2.3; 11.7
12 M	7	检查厅门是否可以自动复位	_	2.2, 2.0, 11.7

#### 厅门特有维保项

周期	编号	描述	时间 (分钟)	具体细节
12 M	_	检查厅门锁	15	章节4.1
12 M	-	检查厅门解锁装置	15	章节8

### 厅门其他维保项

周期	编号	描述	时间 (分钟)	具体细节
12 M	6	检查锁钩啮合量	10	
12 M	6	检查三角锁动作	10	
12 M	6	锁轮与锁钩旋转轴的实际使用情况	5	
12 M	6	触点通断和磨损情况	5	章节3; 4
12 M	6	触座通断和磨损情况	5	まり2,4
12 M	6	门锁轮检查	10	
12 M	6	安全触点检查	10	
12 M	6	安全触座检查	10	

#### 更换项

周期	编号	描述	时间 (分钟)	具体细节
12 M	3	检查门板,如损坏或引起误操作,需更换	15	章节11.1
12 M	5	检查挂轮,如损坏或引起误操作,需更换	5	章节11.2
12 M	5	检查下滑轮,如损坏或引起误操作,需更换	5	章节11.3
12 M	6	检查限位橡胶,如损坏或引起误操作,需更换	5	章节11.4
12 M	6	检查锁钩限位螺钉,如损坏或引起误操作,需更换	5	章节11.5
12 M	2	检查导靴,如损坏或引起误操作,需更换	10	章节11.7
12 M	6	检查门锁轮,如损坏或引起误操作,需更换	10	章节11.6





 
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# 2.自复位装置

# 2.1. 类型 中分



步骤	具体操作	说明
1	将门打开15mm,检查门是否可以自动关闭	门打开15mm,关门弹簧必须能够使厅门自动复位,如果不行,则需更换弹簧。
2	检查下滑轮是否被轻微压紧(手感)在导轨表面。如需要,使用六角扳手拧松螺母,调节偏心下滚轮(请参见32页)	
3	检查钢丝绳是否磨损	



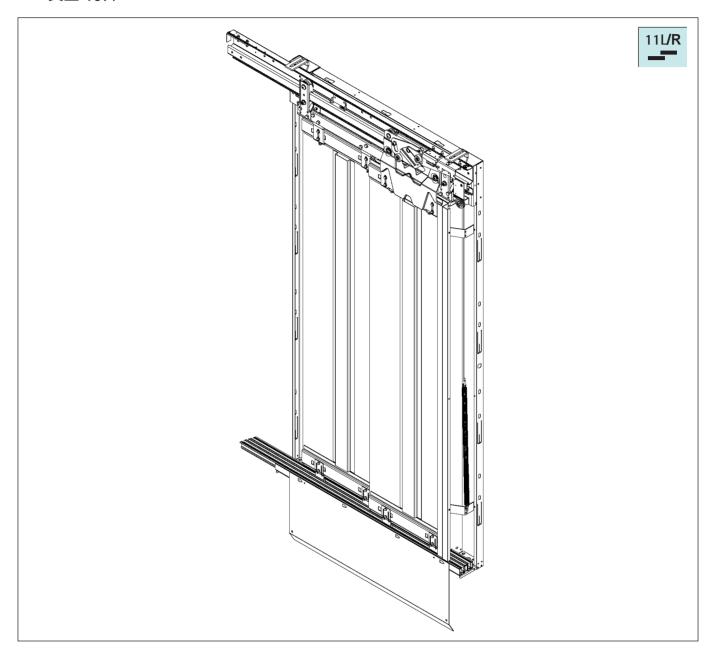


 
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# 2.2. 类型 旁开



步骤	具体操作	说明
1	将门打开15mm,检查门是否可以自动关闭	门打开15mm,关门弹簧必须能够使厅门自动复位,如果不行,则需更换弹簧。
2	检查下滑轮是否被轻微压紧(手感)在导轨 表面。如需要,使用六角扳手拧松螺母,调 节偏心下滚轮(请参见32页)	
3	检查钢丝绳是否磨损	





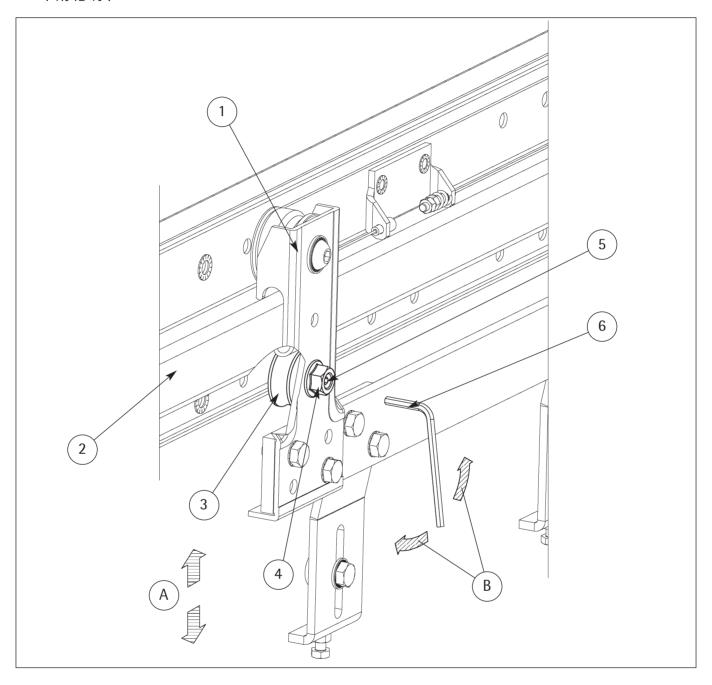
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### 2.3.下滑轮调节



步骤	具体操作	说明
1	用15mm扳手松螺母(4),如箭头(B)所示用4mm内六角扳手(6)顺时针或逆时针旋转偏心螺栓(5),去除滑轮与导轨间A向间隙,但需保证滑轮自由转动,调整后,锁紧螺母(4)	调整下滑轮(3),使滚轮支架(2)与 导轨(1)之间有合适的间隙





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# 3.门锁调节

步骤	具体操作	说明
步骤 1	具体操作 将门完全关闭,滑板(1)紧靠限位橡胶(2),检查门锁功能。 - 锁钩间隙1.2-3mm;(不可调节) - 确保锁钩动作时不影响触点(3)功能; - 在距离锁钩啮合7mm处,(已在挂钩(4)上标记)不应发生任何保障; - 1-3mm触点间隙确保锁钩(4)闭合时,电气触点正确。  □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	説明 <b>清板处于关闭位置</b> A  O1C  1  1  1  1  1  A  O1C  DARI. A  DARI. A  DARI. A  DARI. A  DARI. A
		当门完全关闭时,滑板(1)必须紧靠限位橡胶(2)



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步骤	具体操作	说明
1	将门完全关闭,滑板(1)紧靠限位橡胶(2),检查门锁功能。	滑板处于关闭位置
	<ul> <li>锁钩间隙1.2-3mm;(不可调节)</li> <li>确保锁钩动作时不影响触点(3)功能;</li> <li>在距离锁钩啮合7mm处,(已在挂钩(4)上标记)不应发生任何电气接触,通过门锁认证和生产保障;</li> <li>1-3mm触点间隙确保锁钩(4)闭合时,电气触点正确。</li> </ul>	
	№ 滑轮调节可参考挂件上的滑 轮调节标签。	2 3 4 1.2-3 mm PART. A
		当门完全关闭时,滑板(1)必须紧靠限位橡胶(2)



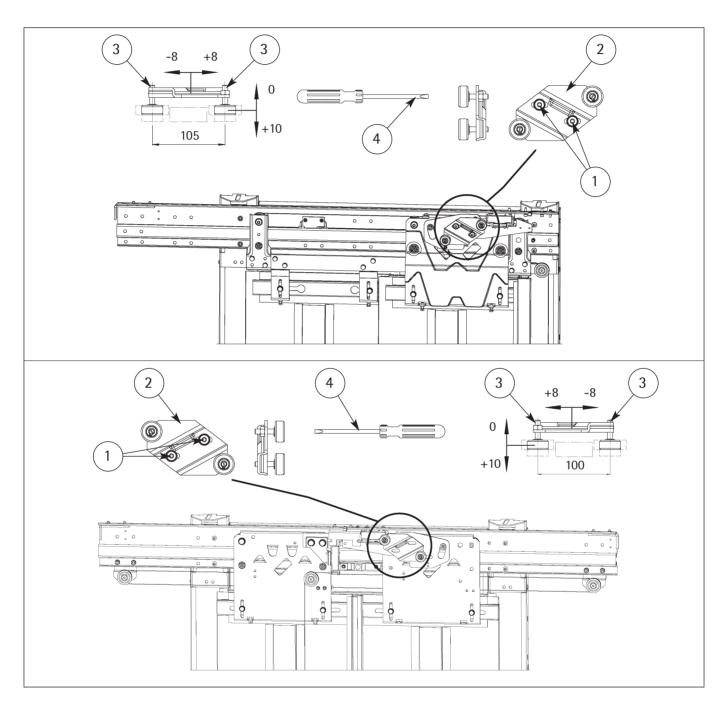
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## 4.门锁滚轮调节



步骤	具体操作	说明
1	使用5mm内六角扳手松固定螺栓(1),调整锁轮(2),从最底层开始,轿厢向上运动时调节锁轮前后及左右位置。使用CH13扳手拧松螺母(3),并用一字形螺丝刀(4)调节滚轮位置。	调节锁轮组件前后位置,如图所示,保证锁 轮至轿门地坎线的距离,使之与轿厢有合适 的运动间隙。





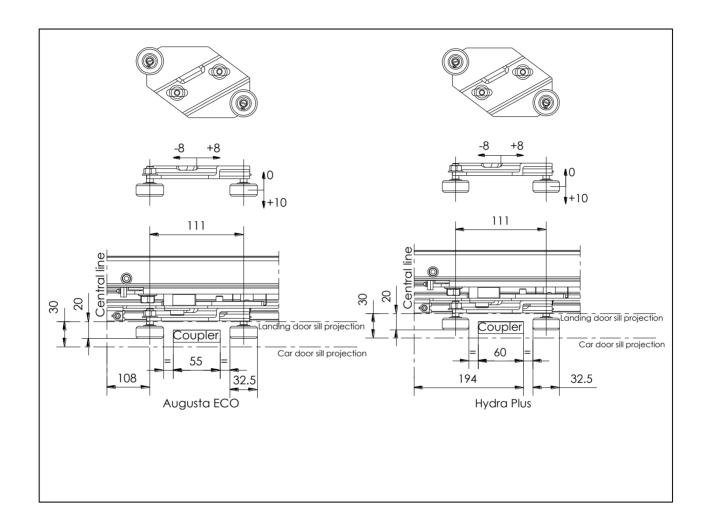
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#### 4.1.门锁滚轮位置调节



骤	具体操作	说明
1	如图所示,用 10mm 扳手和 4mm	门球左右可调整±8mm,前后可调整
	内六角扳手松开门球螺钉,将门球调整到	0~10mm
	正确位置后,拧紧螺钉	
	聚	如图所示,用 10mm 扳手和 4mm



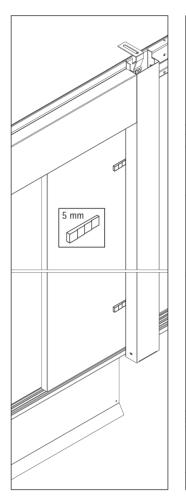


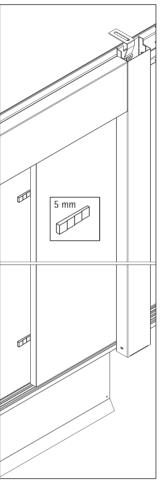
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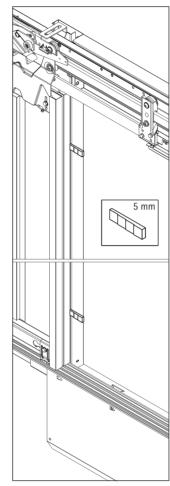
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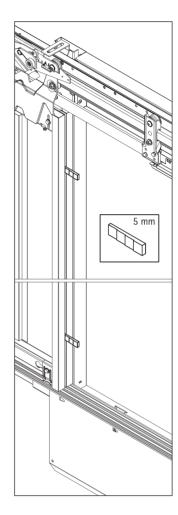
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## 5.调整门板运动间隙









步骤	具体操作	说明
1	关闭厅门	滑板处于关闭位置
2	检查门板之间、门板与侧立柱之间的间隙为 5mm左右	使用垫片(A)调节门板前后距离
3	打开厅门	滑板处于开启位置
4	检查门板之间、门板与侧立柱之间的间隙为 5mm左右	调节门板相对顶部固定件和底部导向装置 位置





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## 6.门板校直

步骤	具体操作	说明
	打开门	滑板处于开启位置
1	根据侧立柱或门板,在垂直方向上 调节门板	
	- 通过垫片调节门板前后位置	



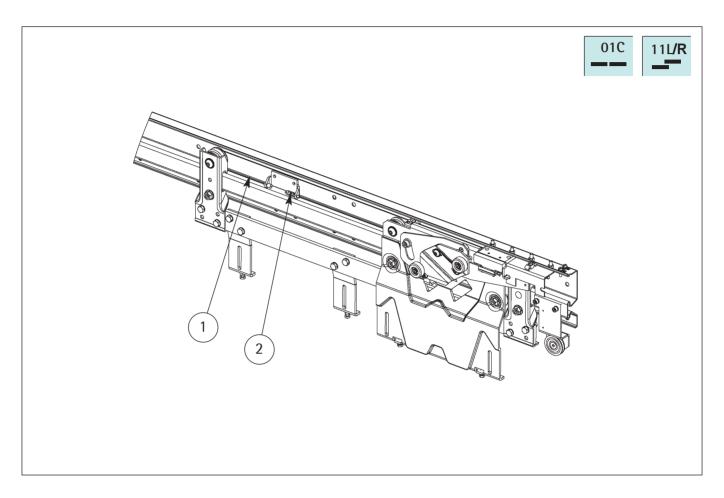
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## 7.联动钢丝绳调节



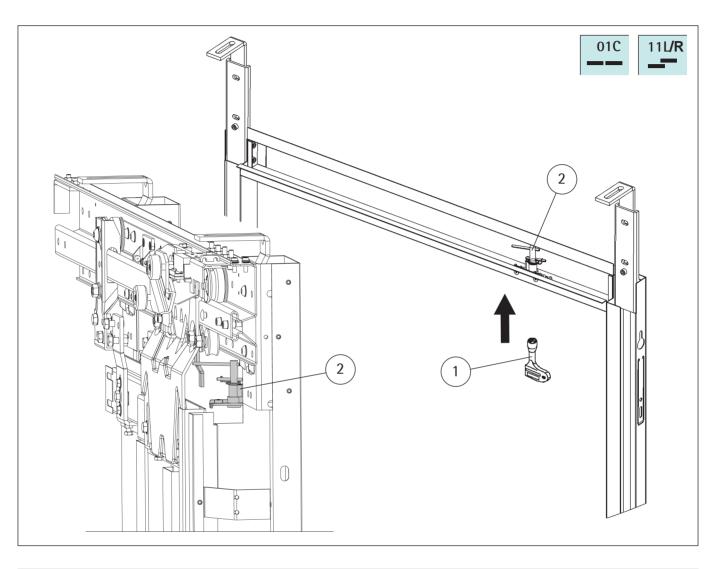
步骤	具体操作	说明
1	联动钢丝绳通过弹簧预加张紧力	仅当更换钢丝绳(1)时,确保弹簧(2) 被压缩3mm





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# 8.检查紧急开锁装置



步骤	具体操作	说明				
1	用三角钥匙(1)检查三角锁(2)的功能, 检查三角钥匙是否能打开三角锁	基于2	标准 情况下	81-20/50 , 在7 , 打开庁门	进行调	
		8	LH	Unlocking Key	Note	
		3	2000	2C1A231534	STD	
		3	2100	C3201159165L020	L=200MM	
		8	2200	032011391031020	L-200IVIIVI	

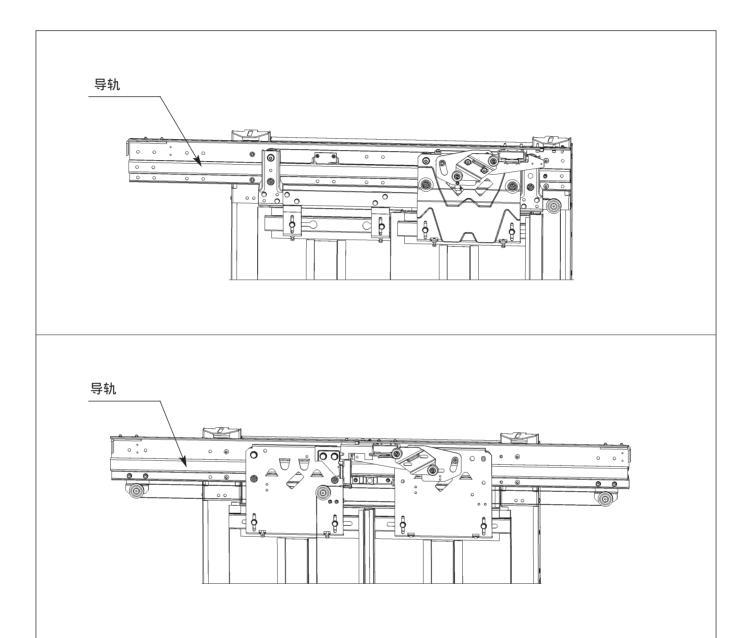




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## 9.润滑



步骤	具体操作	说明
1	禁止在导轨上涂润滑油	Augusta门保持机械装置的清洁十分重要
2	禁止在滚轮轴承上涂润滑油	

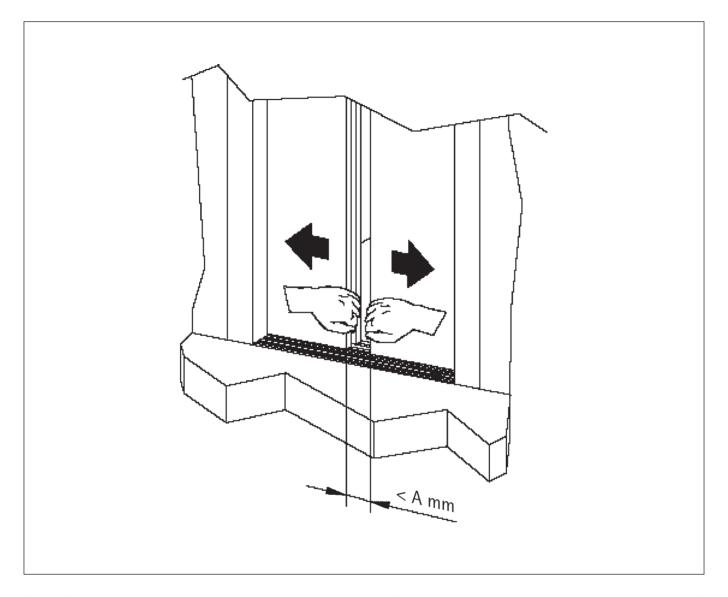




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# 10.机械强度



步骤	具体操作	说明
1	关闭(锁紧)厅门	
2	在打开主门板的方向,人工施加150N的作用 力	测量值(A for EN81)不应超过: - 30 mm 旁开门 - 45 mm 中分门
3	如果达到最大公差,检查门板调节状况和导 轨下滑轮情况	



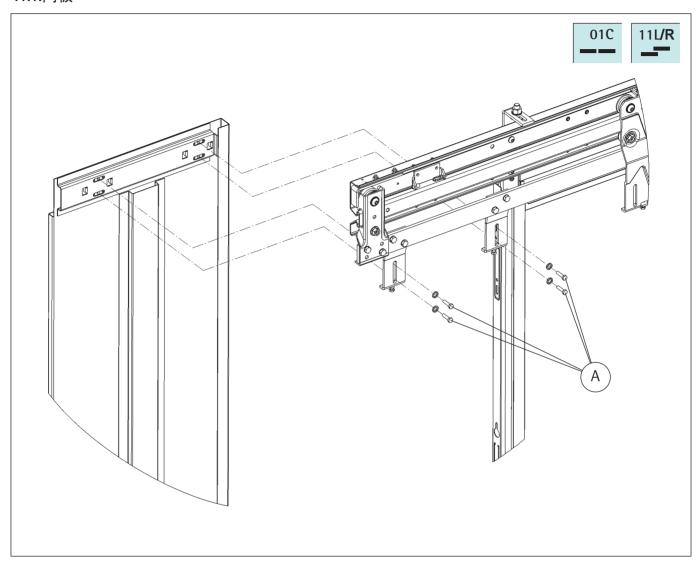


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# 11. 更换项

## 11.1.门板



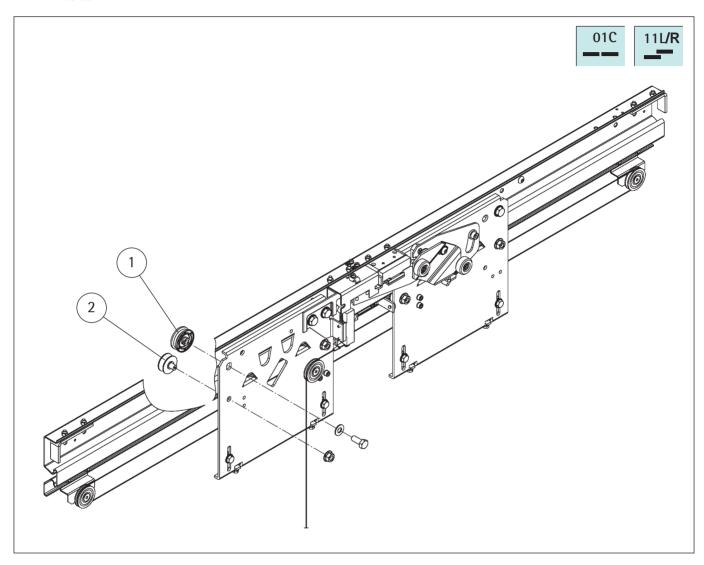
步骤	具体操作
1	关闭厅门
2	松开吊门螺栓(A)
3	打开厅门
4	拆下厅门门板





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#### 11.2.上滑轮



步骤	具体操作	说明
1	拆除旧的上滑轮	a) 拆下门板 b) 拆除下滑轮固定螺母 c) 拆除下滑轮 (2) d) 拆除上滑轮固定螺栓 e) 拆除旧上滑轮 (1)
2	安装新上滑轮	a) 安装新上滑轮 (1) 拧紧固定螺栓 b) 重新安装下滑轮 (2)和固定螺母,但不要拧紧 c) 调节下滑轮 (请参见 2.3章节) d) 拧紧下滑轮固定螺母 e) 重新安装门板 f) 调节门板 (请参见5和6章) g) 检查门板运动情况





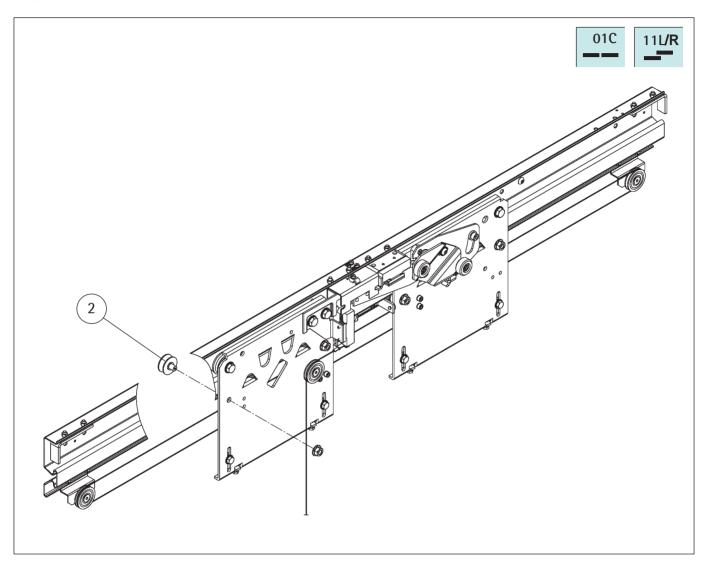
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## 11.3.下滑轮



步骤	具体操作	说明
1	拆下旧的下滑轮	a) 拆下下滑轮固定螺母 (2) b) 拆下旧的下滑轮 (2)
2	安装新的下滑轮	a) 安装新的下滑轮及固定螺母(2),但不拧紧 b) 调节下滑轮(请参见2.3章节). c) 拧紧下滑轮固定螺母 d) 检查门板运动情况



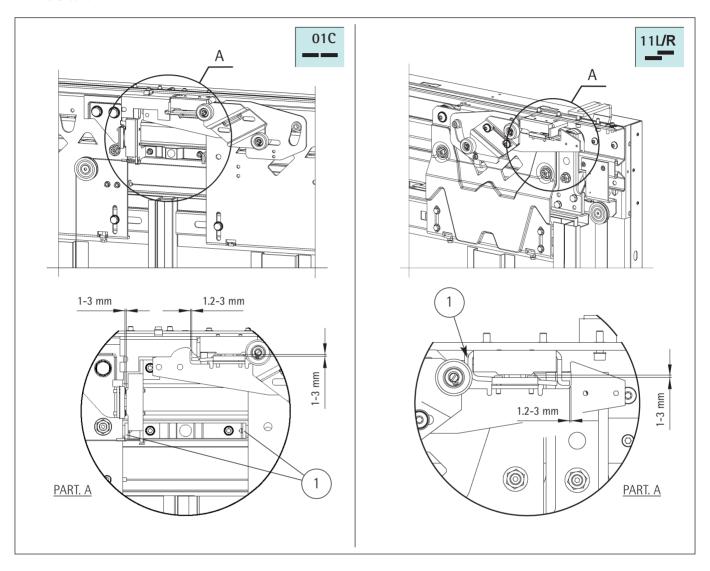


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#### 11.4.门缓冲垫



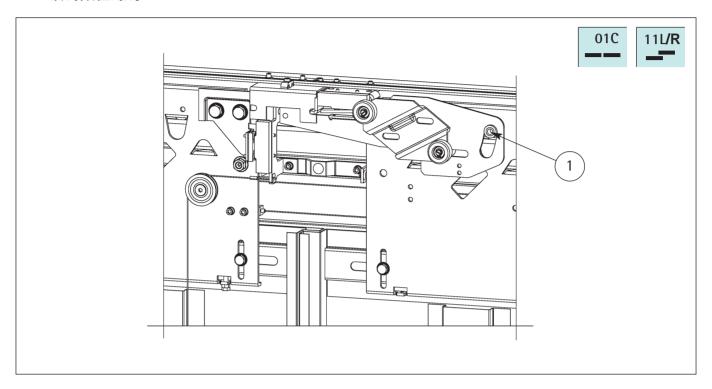
步骤	具体操作	说明
1	拆除橡胶门缓冲垫	拆下旧的橡胶门缓冲垫(1)
2	安装橡胶门缓冲垫	用手指压入新的橡胶门缓冲垫(1)





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## 11.5.锁钩限位螺钉



步骤	具体操作	说明
1	拆除锁钩限位螺钉	拆下旧锁钩限位螺钉的固定螺丝(1)
2	安装锁钩限位螺钉	拧紧新锁钩限位螺钉的固定螺丝(1)





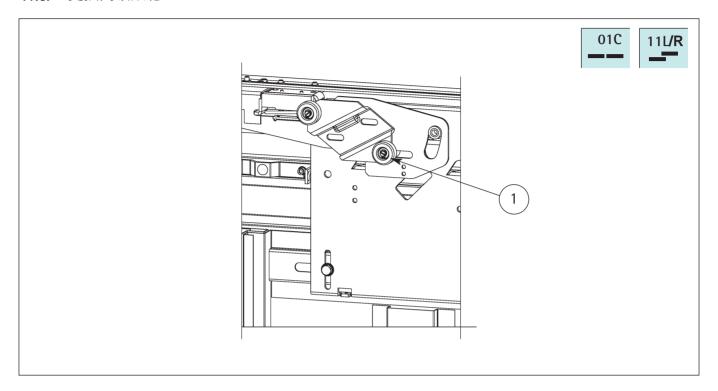
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## 11.6. 更换门锁滚轮



<del>J</del>	∍骤	具体操作	说明
	1	拆除门锁滚轮	拆下旧门锁滚轮(1)的固定螺栓
	2	安装门锁滚轮	安装新门锁滚轮(1)的固定螺栓





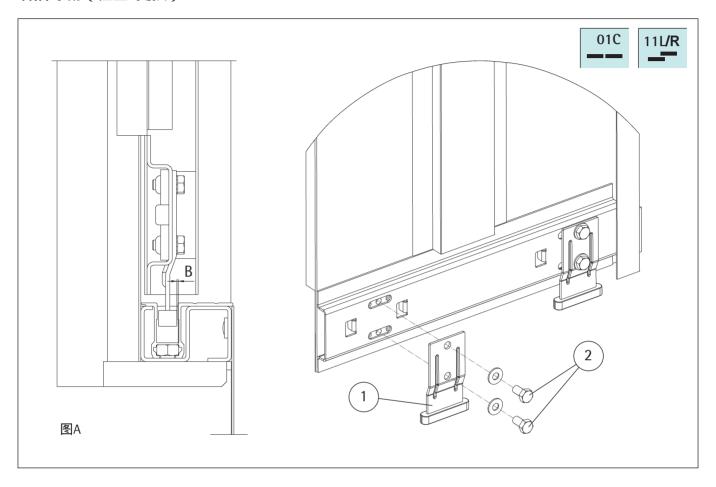
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## 11.7.导靴(检查-更换)



步骤	具体操作	说明
1	检查地坎间隙	如果间隙"B" > 3 mm则需更换滑动导靴 (见图 A)
2	无需拆除门板,可借助工具直接拆除导靴	松掉固定螺栓(2)拆下旧的导靴
3	将新导靴安装到厅门门板	a) 插入新的导靴并拧紧固定螺栓(2) b) 检查门板运动情况



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#### 警告 如何让电梯门保持良好状态



为了防止出现故障或错误操作,保持系统正常运行,应定期检查系统的技术性能,以确保符合适 用法律的规定。

技术性能取决于多项因素,例如:

- -工作负载
- -运行年限
- 门重
- -气候和环境条件
- 环境清洁度
- -正确的维护
- -等等

#### 同时,技术性能也影响到:

- 门与门之间,门与立柱之间的间隙/过盈(根据适用法律)
- 连接装置的间隙
- 固定件和连接件的状态/状况
- 零部件的磨损状况
- -门锁和相关触点的性能
- -其它任何可能受应用方式影响的零部件

基于以上原因,本公司无法预先通知通用零部件的更换方案。





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