Operation Manual(E)

Sliding Door Operator

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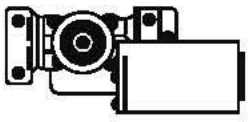
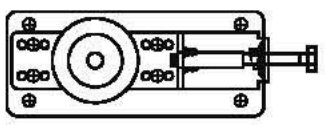
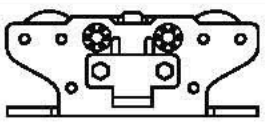
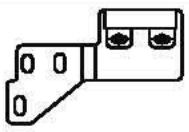
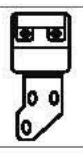
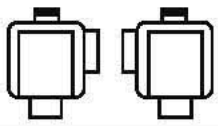
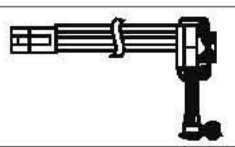
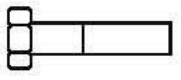
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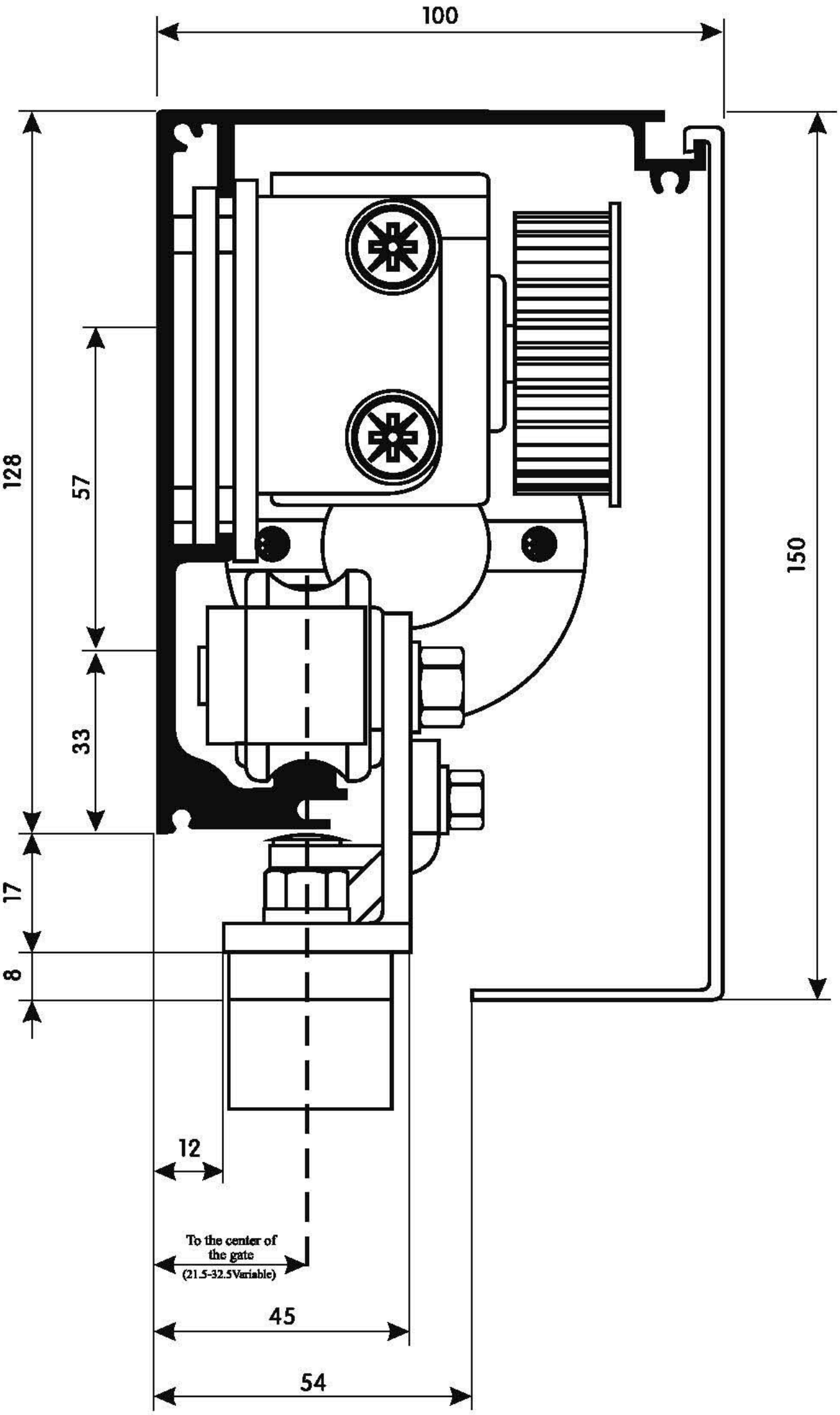
Microcomputer Automatic Door Unit Specification And Performance Parameters

Power beam device specifications	Auxiliary light sensor without	12010	12010
	Auxiliary light sensor	12011	12021
Door sliding mode		Single open	Double Open
Door leaf weight		≤2 * 120kg (120) ≤2 * 160kg (160) ≤2 * 200kg (200)	≤2 * 120kg (120) ≤2 * 160kg (160) ≤2 * 200kg (200)
Door width		700-1300mm/s (adjustable)	600-1250mm/s(adjustable)
Open rate		150-750mm/s (adjustable)	150-680mm/s(adjustable)
Closing speed		100-680mm/s (adjustable)	100-650mm/s(adjustable)
Power outage manually opening and closing force		≤40N	≤45N
Control		Micro processing controller	Micro processing controller
Installation		SMT	SMT
Motor		24V55W Brushless DC Motor	24V55W Brushless DC Motor
Semi-open feature		And it takes another half-open connector	And it takes another half-open connector
Door open		0-8 seconds (adjustable)	0-8 seconds (adjustable)
Collision function		Under the conditions of a rebound in the collision	Under the conditions of a rebound in the collision
Voltage		AC200-AC250V 50Hz-60Hz	AC200-AC250V 50Hz-60Hz
Input Current (AC220V pm)		0.095A/1.35A	0.095A/1.35A
Operating Temperature		-30°C~+50°C	-30°C~+50°C

Surface Mounted Power Unit Parts List

Door Open Type		Door Open Type	Single Opening	Double-leaf
Part Name	Part Type	Sketch Map	Quantity	
Motor unit	1280906A	 (120/200)	1	1
		 (160)	1	1
Tension wheel equipment	1280801		2	4
Hanger device	1280701		1	1
Belt fixtures	1280601			
Belt fixtures (pairs of open-use)	1280501		1	1
Belt Single opening(3.2m) / Double-leaf(6.9m)	1280401		1	1
The devices work only bit	1280301		1	1
Controls Without the security sensors	12802011		1	1
Controls With safety sensors	12802021			
Terminal Device	1280101			
Paste the direction of plate	1730101		1set	4set
Line Card	1730201		1set	4set
Hanger bolts	1730301 Hex bolt (M8X30)		1set	4set
Belt device installation bolt	1730301 Hex bolt (M6X12)		1	1
Guarantees, instructions			1	

Surface-Mounted End-Diagram

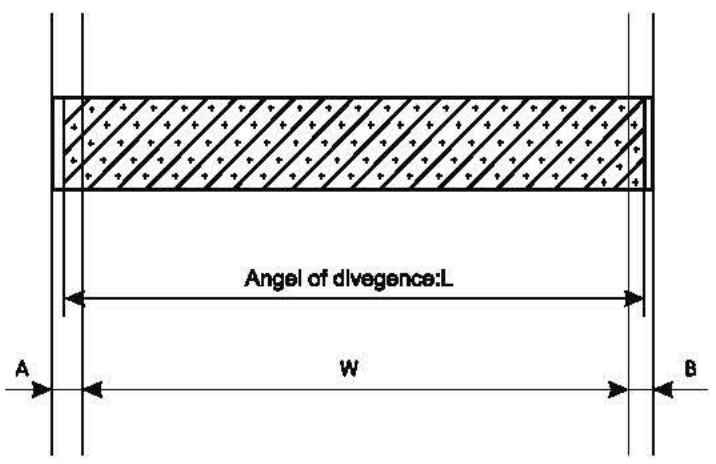


Automatic Door Installation Process

Preparations
↓
Foundation construction
↓
Of the main construction
↓
Automatic Door Construction
↓
The installation of automatic door power plant
↓
The suspension and adjustment of door
↓
Electrical wiring connections
↓
Post-construction inspection
↓
Running adjustments
↓
Adjusted to confirm the status
↓
Delivery

Power Beam Installation

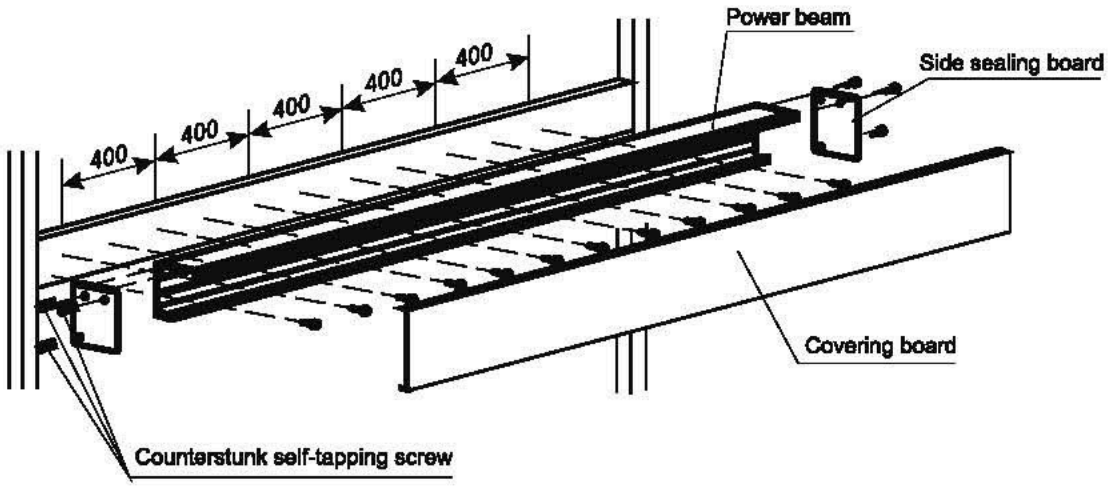
■ Cut off power beam size of



1.Cutting power beam power beam: l = w+a+b-5mm
2. In the power beam, horizontal window or wall drilling.
3. In the power beam and cover the hole.
4. With the power beam bolts fixed to the horizontal window (or wall).

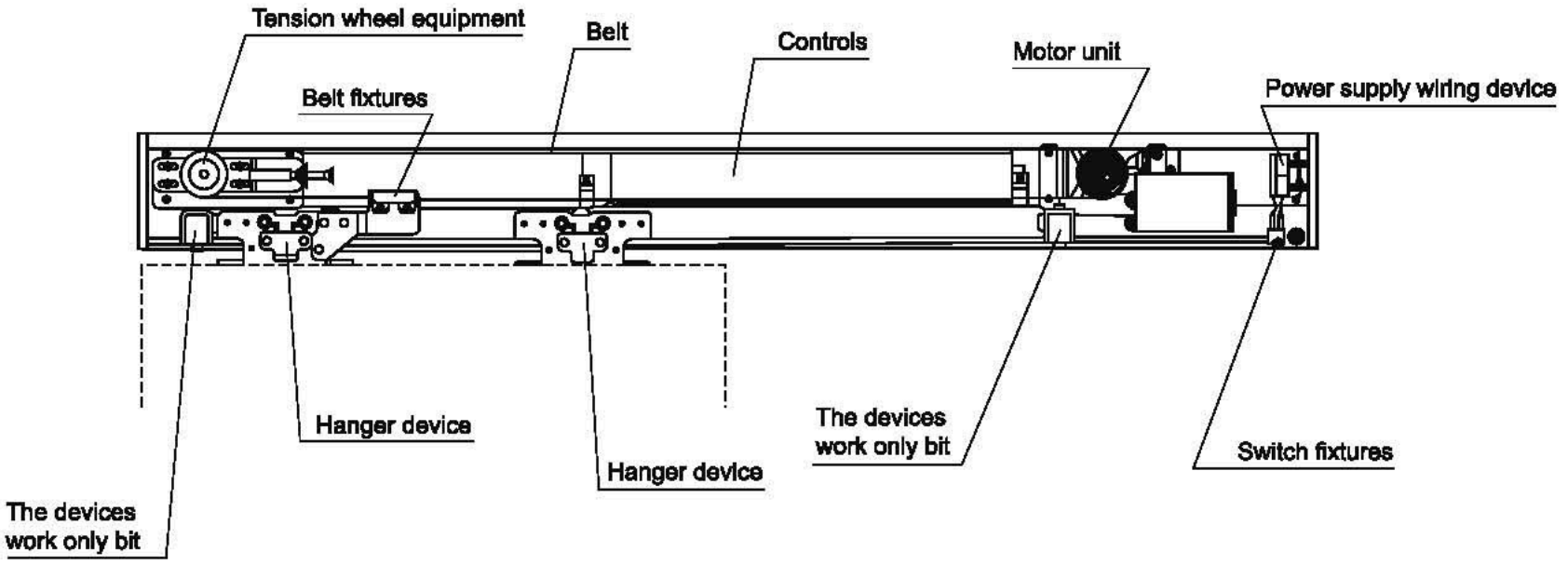
Note: Installation, be sure to make the level of state power beam was installed or cutting power beam guide do not bumps, other wise it will affect the performance or life.

■ Power beam construction method



Power Beam Unit Installation Position of Components

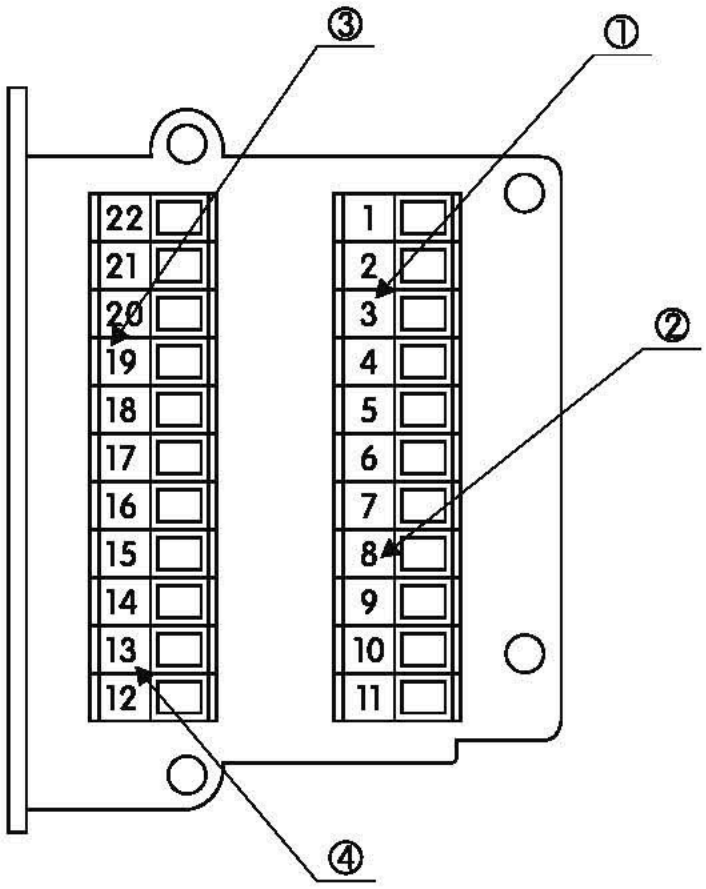
■ Single Open



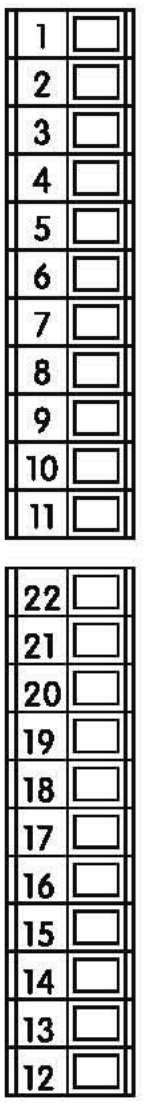
■ Double Open

Multi-Functional Terminal Port

■ Basic shape



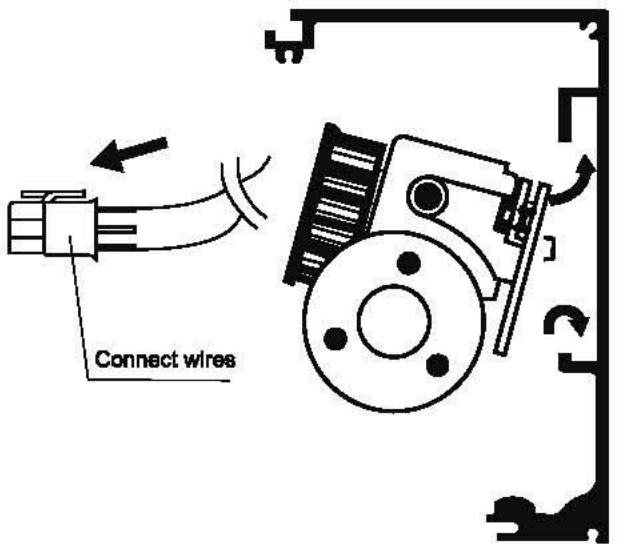
1. The program selector switch wiring department,
2. Functional wiring at 1
3. Auxiliary light wiring department (with auxiliary light sensor)
4. Functional wiring division 3



■ Remote control power output (Note that the remote control can only access and can not access other devices)
■ Normally open mode
■ Semi-open model
■ One-way mode
■ Stop locking mode
■ Ground remote control
■ Safety electric eye input (no-voltage contact)
■ The second sensor input (single mode)
■ Two-door interlock output
■ Two-door interlock input
■ Grounding

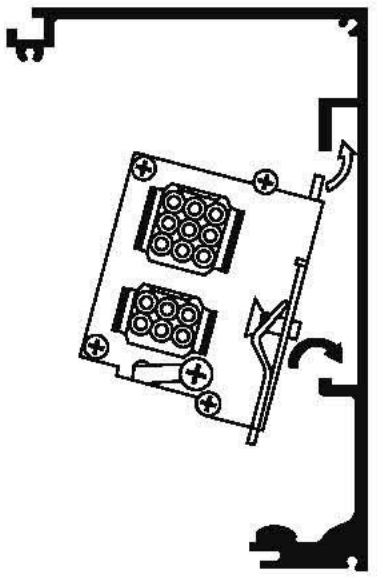
■ Back-up power function selection interface
■ GND
■ Access Controller Power Supply
■ Access Controller Power Ground
■ Backup Power Ground
■ Anode-lock power output
■ Back-up power supply input (that only use a dedicated power supply)

The Motor of the Installation



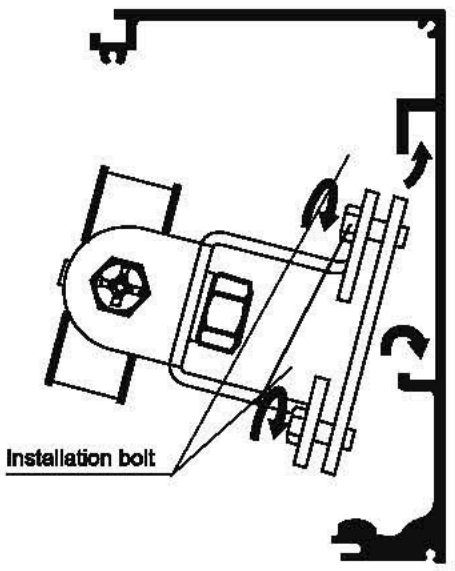
1. The motor device in front of lead into the motor.
2. The motor unit power beam into the upper groove, and then let it slip into the lower part of a trench.
3. The motor unit to move to the right end of the aluminum beam.
4. Tightening with a screwdriver to install bolts.
5. The motor cable wire through the motor unit above, be careful not to make wire sag.

Controller Device Installation



1. The beam power control device into the upper part of groove, and then slide it the lower part of a trench.
2. Mobile control devices, so that motor unit connection cable can be inserted into the control system device.
3. With a screwdriver tighten the screws on both sides of control devices.

Tension Wheel the Installation



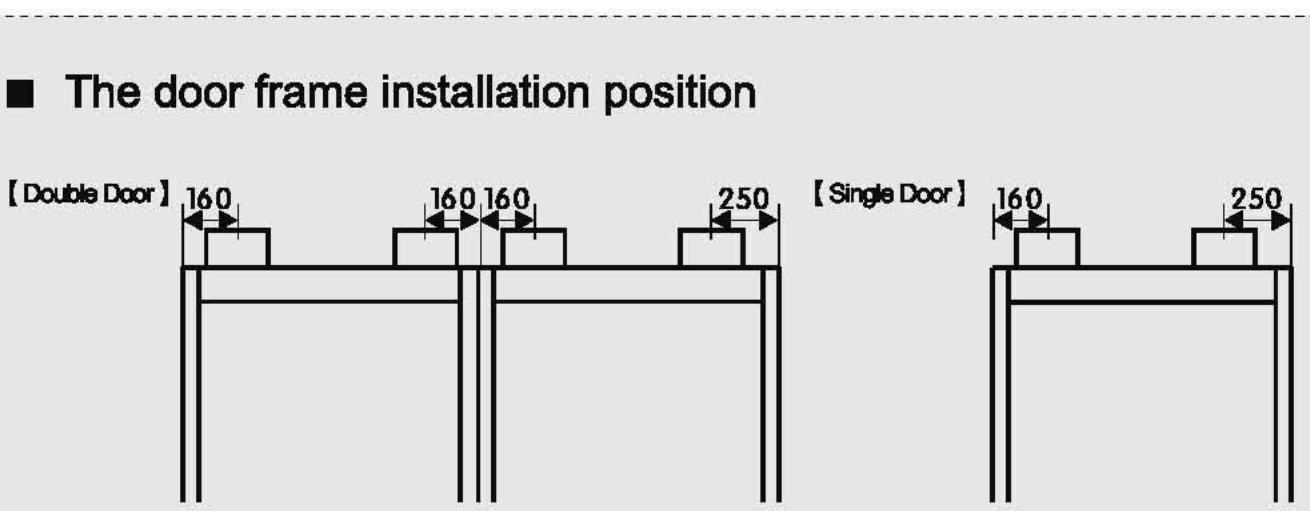
1. The tensioning wheel unit power beam into the upper groove, and then let it slip into the lower part of a trench.
2. Wheel with a screwdriver to gently tensioning the temporary fixed, so that it can.

The Door Hanging Body of Work

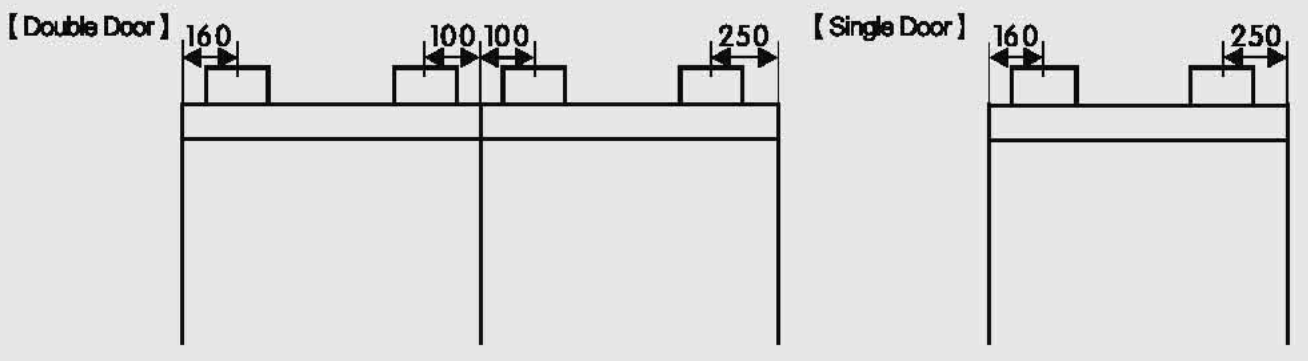
1. With the included hanging door hanger device to install the bolt group to the specified location.

■ Pylon of the installation locations of

■ The door frame installation position



■ Frameless door hanger installation location



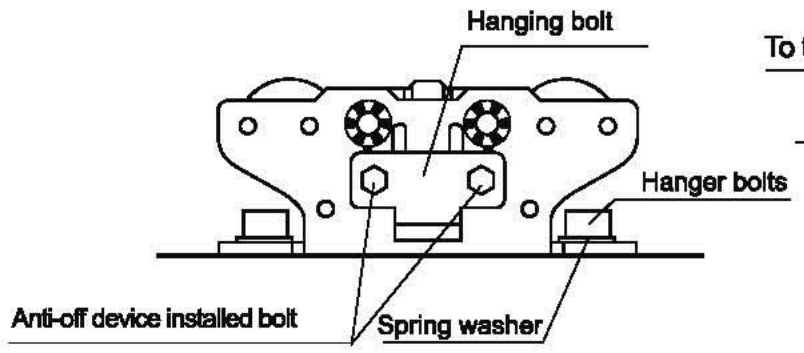
Note: Installation should be to make hanger device pulley center and the door were all parallel state (figure), if not parallel, will shorten thepulley life.

2. Screw loose hanger bolt anti de-installation of fixed installation but also off fixtures to reduce anti-hanger.

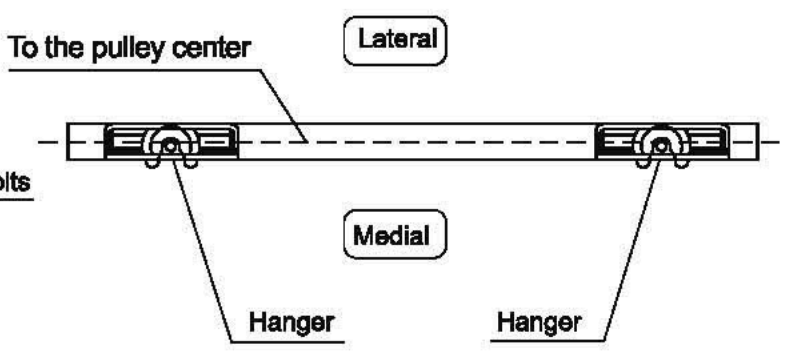
3. The hanger device pulley linked to the power beam rails.

Note: Hanging do not bruise the other components within the power beam and the guide, otherwise it will result in component failure or pulley life,Noise, unusual sounds.

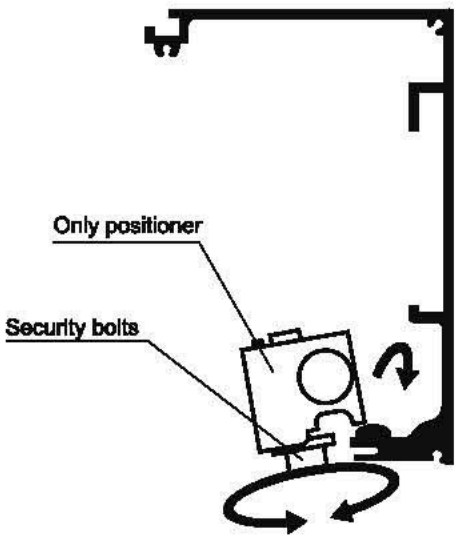
■ Hanger



■ Anti-hanger off device



Only the Installation-Bit Devices



1. Screw pine only bit installation of bolts.
2. The only bit embedded devices unit does power beam rails.

Note: Do not hurt electromechanical beam rails.

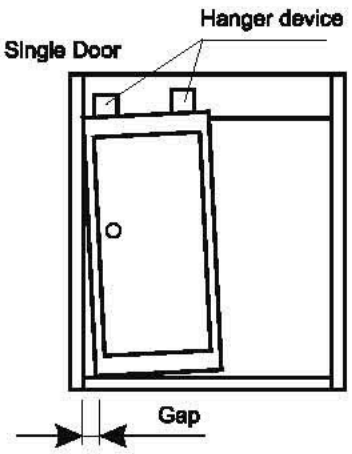
3. First moving the door body to determine the opening and closing the door body position, and then determine the location of only the positioner.

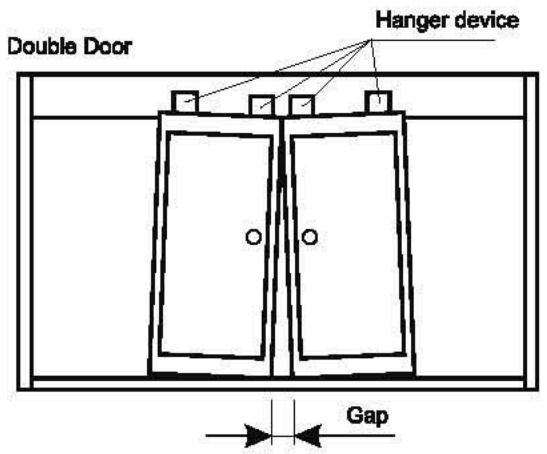
Note: To set only the positioner device location, should enable the hanger device hit the pad just after the cease-bit device.

4. With hex wrenches really screw fixed installation bolt.

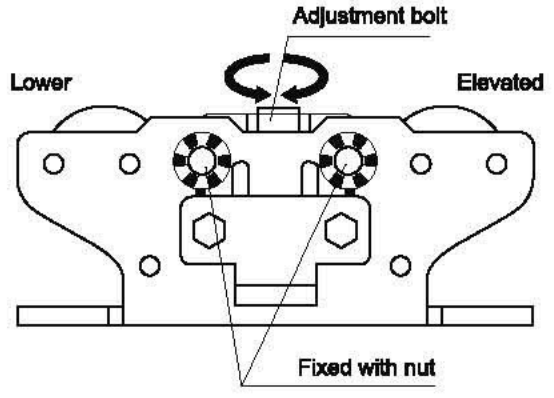
Note: Installed carelessly, can cause door damage.

Door of the Construction and Installation Height Adjustment





■ The order of construction and installation height adjustment



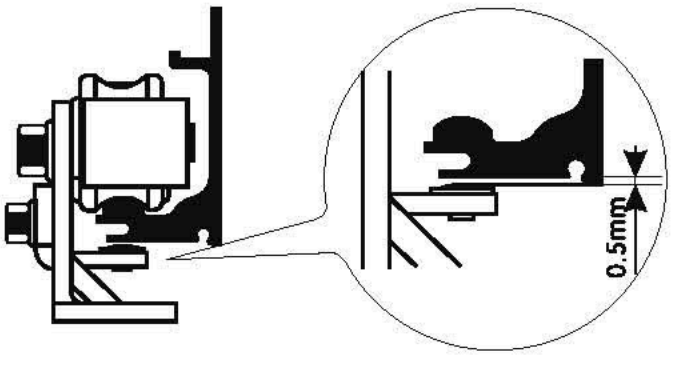
- If the door can not be the level of installation, the door hanger can be adjusted.

1. The fixed hanger with screw pine nuts.
2. The installation of adjustment bolt to adjust.
   - Clockwise revolving door up.
   - Counterclockwise revolving door down.
3. Tighten the nut with a fixed hanger.
4. Confirming the lower space and power beam, put the hanger up anti-off device installed, the gap is 0.5mm.
5. Confirm the resistance when walking.

Note: Sure the door did not move zhizhong phenomenon, and there is no friction sound, if requested to confirm the following.

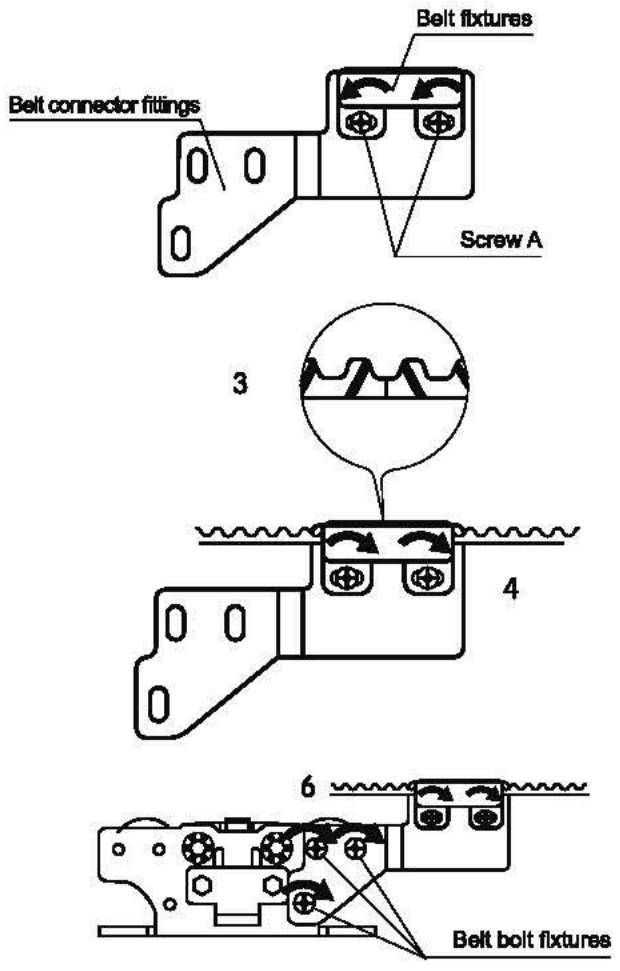
1. Pylon is vertically fixed on the door.
2. Sway the lower door and the door frame with friction devices.
3. Pylon installations and power beam with friction.
4. The door body and whether there is friction between the door frame.

■ Anti-hanger off the installation location of the fixed



Single Open-Belt Installation

■ Belt fixed the installation steps in



1. Remove the screw a to belt fixtures, fittings and removed from the belt connector.
2. Reference belt cutting table, cutting belt.
3. The two ends of belt belt fixtures from the center of the belt into the belt is indeed a fixed office.

Note: Installed without rendering belt distortion.

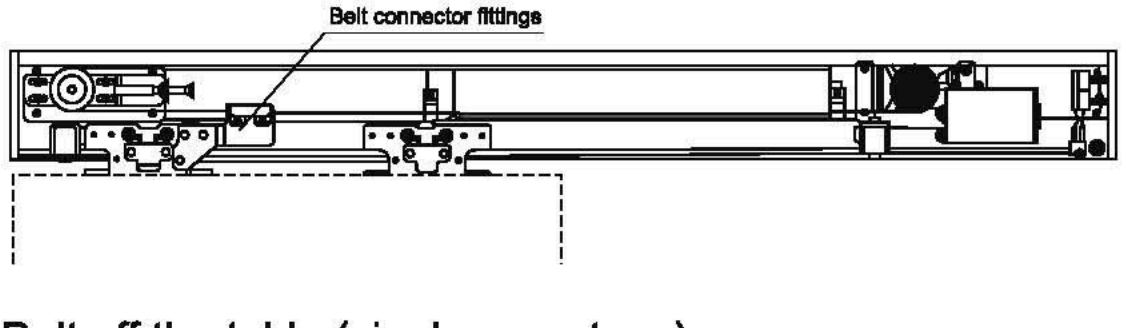
4. The belt fixtures installed on the belt connector fittings.

Note: Please note that the direction of belt fixed parts.

5. The belt first, hang on to the tensioner pulley wheel device, and then hung to the side of the pulley on the motor unit.
6. The belt bolt fixtures.

Note: Please be sure to tighten the bolts.

■ Belt fixed the installation location of



■ Belt off the table (single open type)

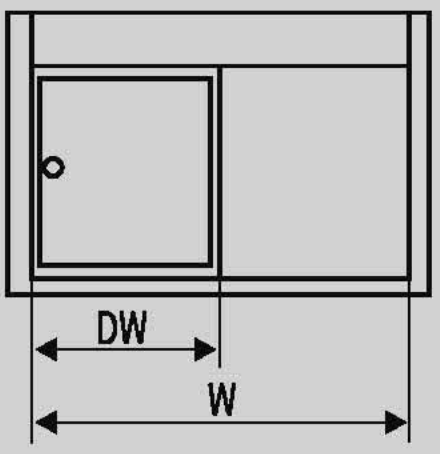
Belt Length = (DW+375) X2 (Unit: mm)

●Belt corresponds to the table

	DW	Belt
Standard	700-1219	Belt Length 3200mm
Special Order	1220-1650	Belt Length 4250mm

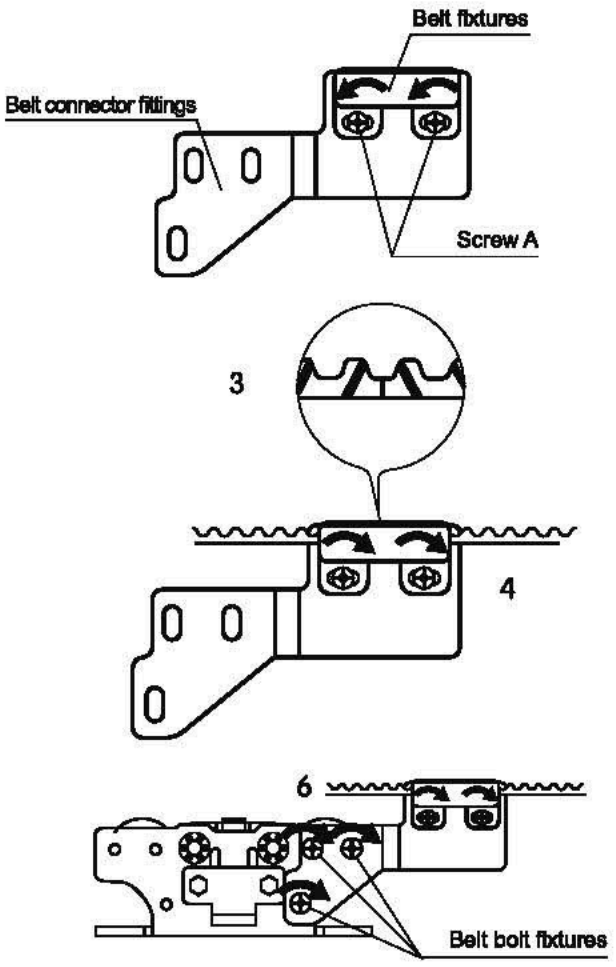
●Belt off the table

DW(mm)	Belt Length (mm)
762	2274 ~ 2674
800	2350 ~ 2750
850	2450 ~ 2950
900	2550 ~ 3200
950	2650 ~ 3200
951~1219	2750 ~ 3200



Pairs of Open-Belt Installation

■ Belt fixed the installation steps in



1. Remove the screw a to belt fixtures, fittings and removed from the belt connector.
2. Reference belt cutting table, cutting belt.
3. The two ends of belt belt fixtures from the center of the belt into the belt is indeed a fixed office.

Note: Installed without rendering belt distortion.

4. The belt fixtures installed on the belt connector fittings.

Note: Please note that the direction of belt fixed parts.

5. The belt first, hang on to the tensioner pulley wheel device, and then hung to the side of the pulley on the motor unit.
6. The belt bolt fixtures.

Note: Please be sure to tighten the bolts.

■ Belt off the table (Pairs of open)

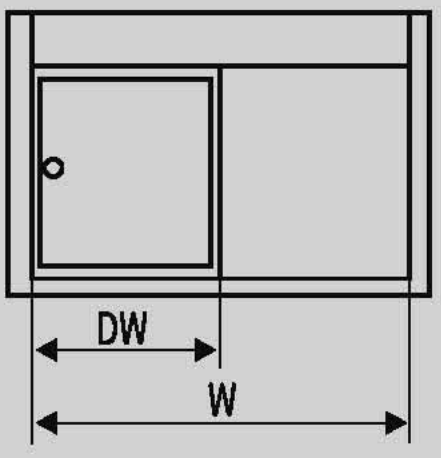
Belt Length = (DWx3+375) X2 (Unit: mm)

●Belt corresponds to the table

	DW	Belt
Standard	600-1067	Belt Length 6900mm

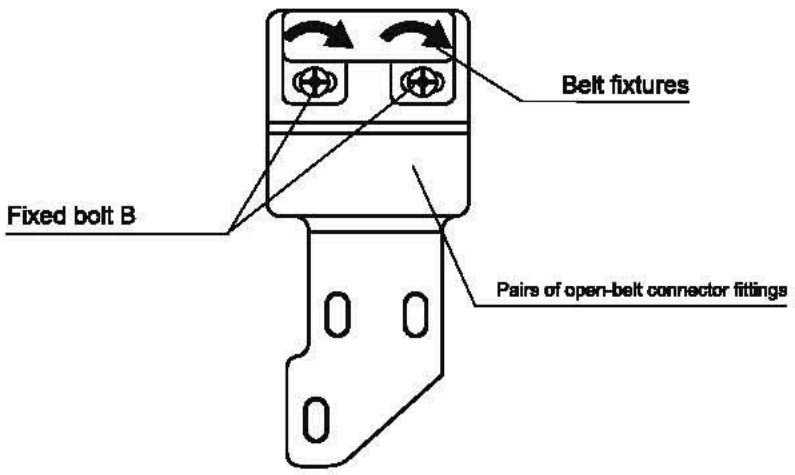
●Belt off the table

DW(mm)	Belt Length (mm)
600	4100~4150
750	5000~5050
800	5300~5350
850	5600~5650
900	5900~5950
950	5200~6250
100	6500~6550
1067	6900



Pairs of Open-Belt Installation (Continued)

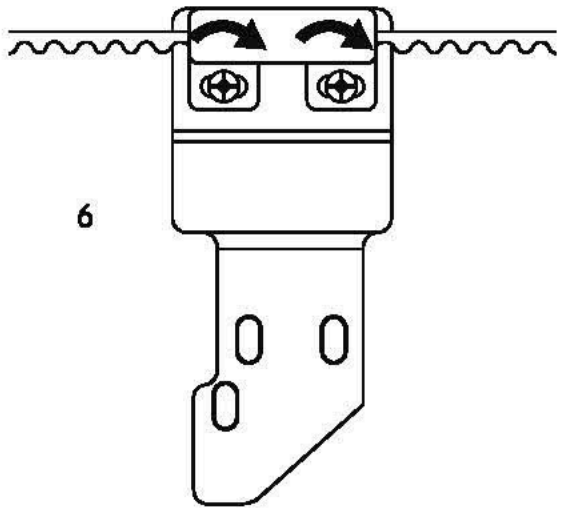
■ Belt fixed the installation steps in

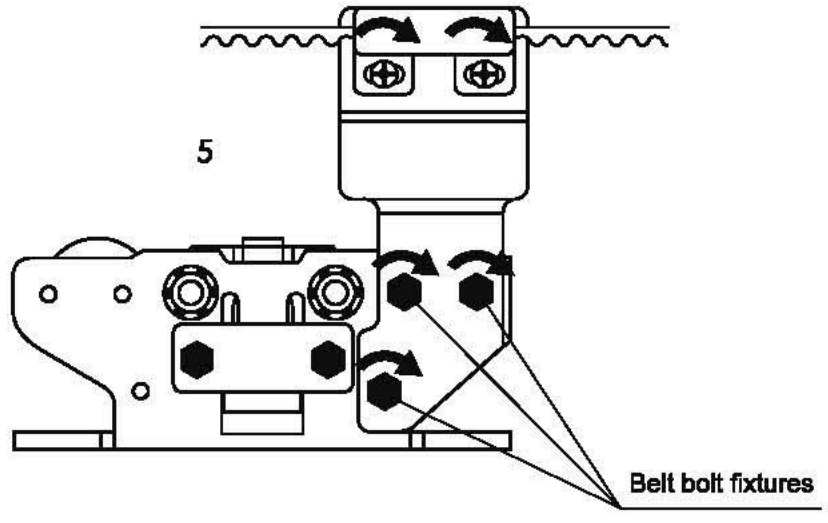


1. Adjust the belt tension.
2. So that two door is turned off.
3. Removed the double-opening fixtures with a belt bolts B,It stationary parts removed from the belt.
4. The belt fixtures installed belt, ran Post-fixed in pairs to open with a leather belt with parts.
5. The belt bolt fixtures.

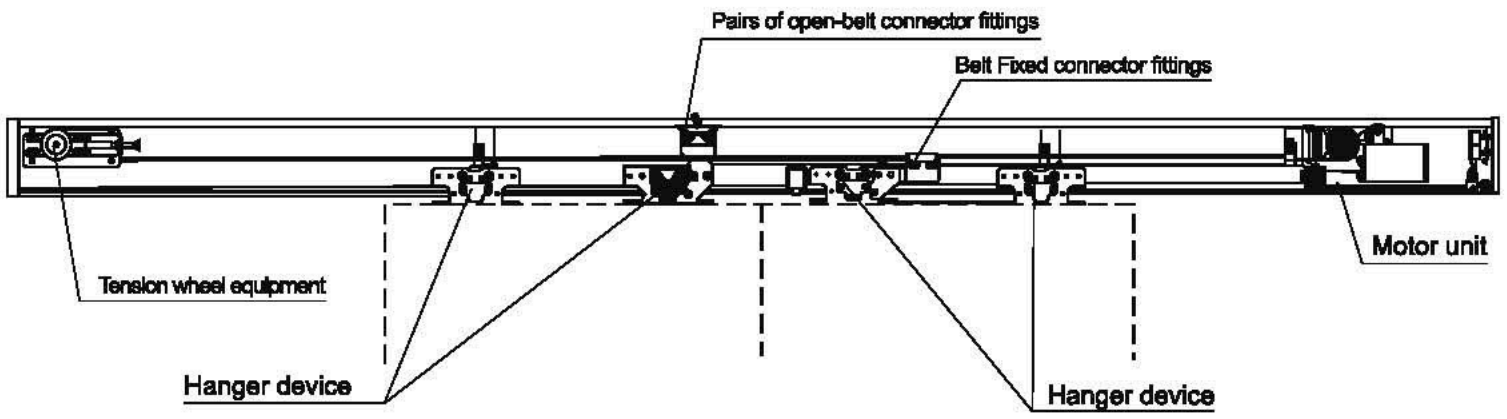
Note: Please be sure to tighten the bolts.

6. Gate locations adjusted to tighten the bolts b.





■ Belt fixtures installed position (pairs of open type)



Belt Tension Adjustment

1. The tensioning wheel unit to the left pull, so that to maintain belt tension, then tighten the four bolts platen.
2. 4 Adjustable plate fixation screw loose bolts.
3. Along the tension adjustment bolt clockwise rotation, high-speed belt tension.

Note: To adjust the front plate gasket and regulation overlap is appropriate.

4. Four adjustable screw plate fixation bolt.

