



# **T2203 Side Opening Landing Door System Installation Manual**

**Installation Manual**

**Version:2011**

**Model No.: T2203**

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## Warning !

Every elevator installation personnel must be trained by Labor and Social Security Bureau and has obtained Induction Operator's Certificate. Please read these installation manuals thoroughly before installation. Every elevator parts installation staff must strictly comply with these installation manuals and the relevant security regulations, particularly the warning signs in the manuals. In case of any loss due to operations not complying with the manual requirement or modifications of the device without permission of BST Elevator Co., Ltd., the BST Elevator Co., Ltd. does not hold liability.

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# T2200 Side Opening Landing Door System Installation Manual

## 1 Safety Regulations

### 1.1 Safety Sign Description

This installation manual uses the following symbols as safety signs.



#### **Danger**

This symbol draws attention to an extreme danger to life or risk of injury to persons. Disregard of warning means danger to life!



#### **Danger**

This symbol draws attention to an immediate impending danger to life or risk of injury to persons caused by electric current.

Warning notices must always be observed!



#### **Warning**

This symbol draws attention to an impending danger. Disregard can cause injury to persons or extensive damage to property.

Warning notices must always be observed!



#### **Note**

This symbol draws attention to important information and instructions for operation. Disregard can lead to damages, hazards or failures.



#### **Inspection**

This symbol draws attention to inspection sequence.

These inspection notices must be observed in any case. Disregard can lead to injury to persons or damage to property.

### 1.2 Security Measures under an emergency

Unlock the elevator in an emergency



Only the personnel who are acquired with elevator safety regulations and are trained can manually open the landing door and the car door !

## 2 Preparations of Installation Tools

The installation tools necessary for the Landing Door installation are listed in the below table2-1.

**Table 2-1 Installation Tools**

| No.          | Name                     | Speciafication        | Quantity    | Note |
|--------------|--------------------------|-----------------------|-------------|------|
| Common tools |                          |                       |             |      |
| 1            | Circlip Pliers           | 175mm                 | 1           |      |
| 2            | Level Bar                | 500mm                 | 1           |      |
| 3            | Plumb Bob                | Steel 1kg             | 1           |      |
| 4            | Cruciform Screw Driver   | 75-200mm suction type | 2           |      |
| 5            | Single-head Solid Wrench | 13/16/18/24           | 2 sets/type |      |
| 6            | Socket Wrench            | 10/13/16              | 2 sets/type |      |
| 7            | Inner Hexagonal Spanner  | 3/4/5/6               | 1 set/type  |      |
| 8            | Cypriot ruler            | 100A21                | 1 sets      |      |

**3 Vulnerable Parts of Landing Door**

Refer to Table 3-1

**Table 3-1 Table of Vulnerable Parts**

| Part Name                | Use                                                     | Note                                                |
|--------------------------|---------------------------------------------------------|-----------------------------------------------------|
| Hanger Sheave $\phi$ 48  | Car door, landing door                                  |                                                     |
| Door Guide Shoe Assembly | Car door, landing door                                  |                                                     |
| Contact Switch           | Door machine contact,<br>Landing door auxiliary contact | AZ05(06)                                            |
| Wirerope                 | Car door, landing door                                  | Door type and clear opening<br>should be specified. |
| Eccenter $\phi$ 30       | Landing door                                            |                                                     |
| Door Roller              | Landing door                                            |                                                     |
| Interlocking Switch      | Landing door main contact                               | (plug/socket)                                       |

## 4 Landing Door System installation manual

### 4.1 Parts Description

Refer to Figure 4-1

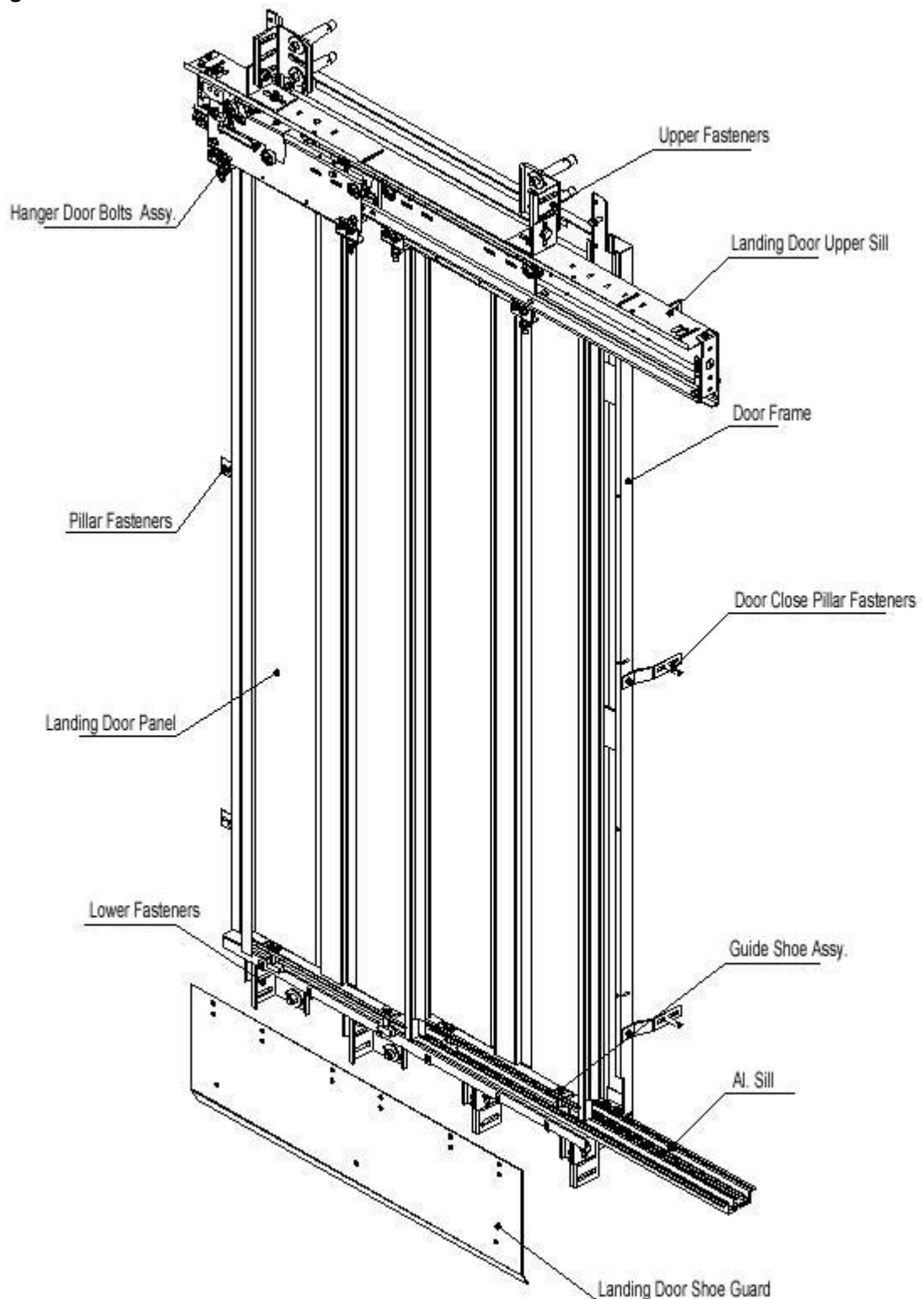


Figure 4-1 Assembly Drawing of Side Opening Landing Door

## 4.2 Assembly of Door Frame

Refer to Figure4-2

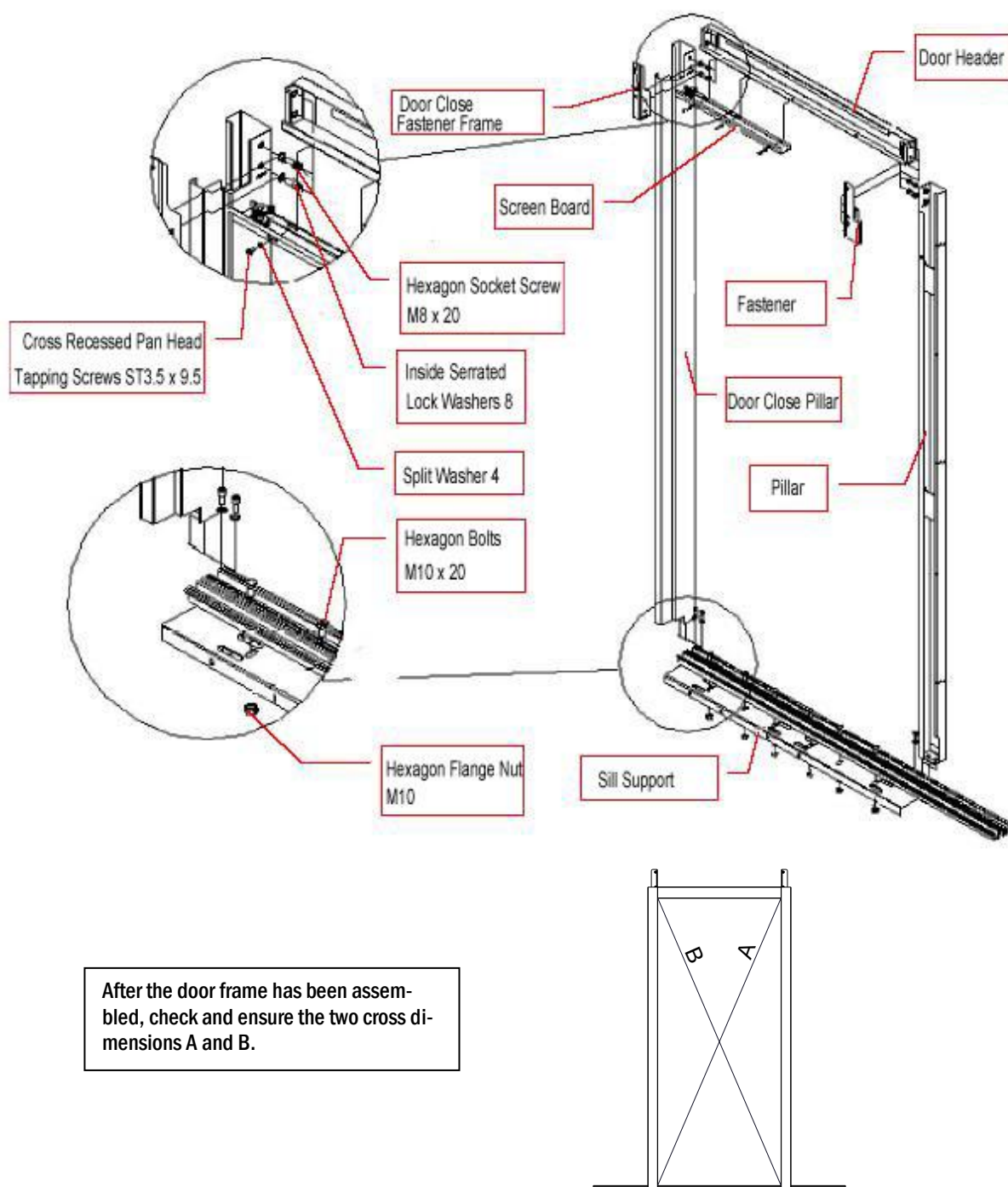


Figure 4-2 Assembly of Door Frame

### 4.3 Connection between Landing Door and Door Frame

Refer to Figure 4-3

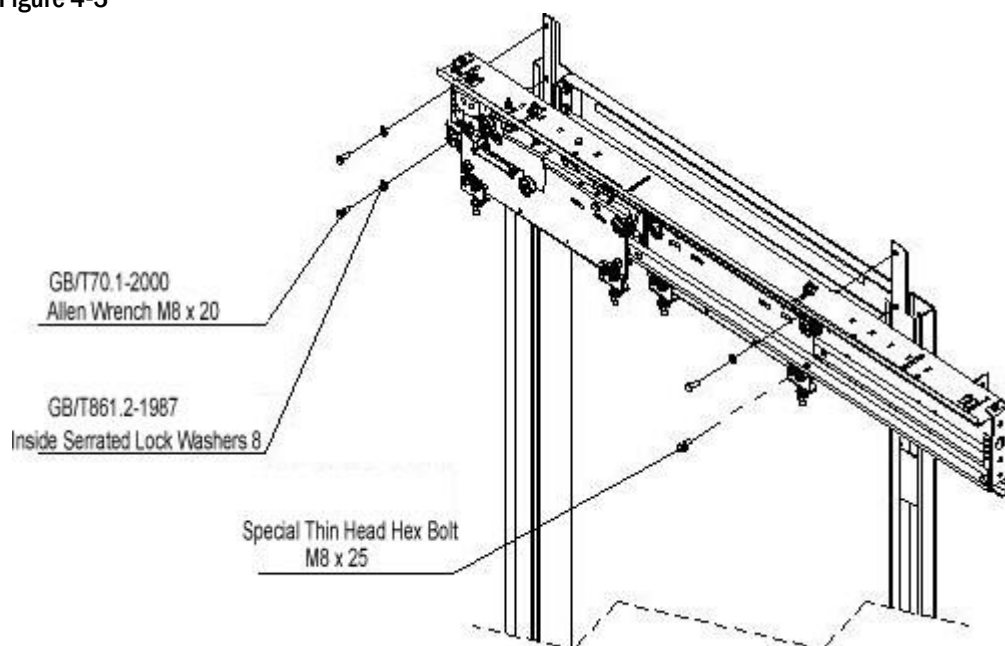
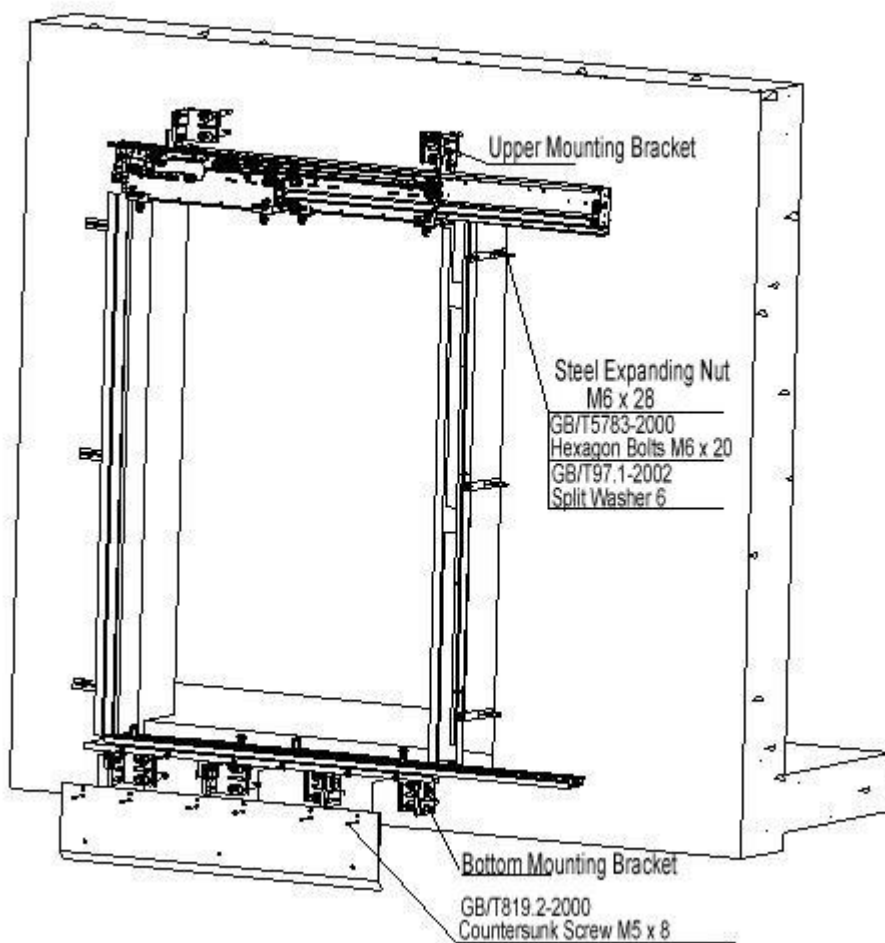


Figure 4-3 Connection between Landing Door and Door Frame

### 4.4 Installation of Landing Door and Door Frame on site

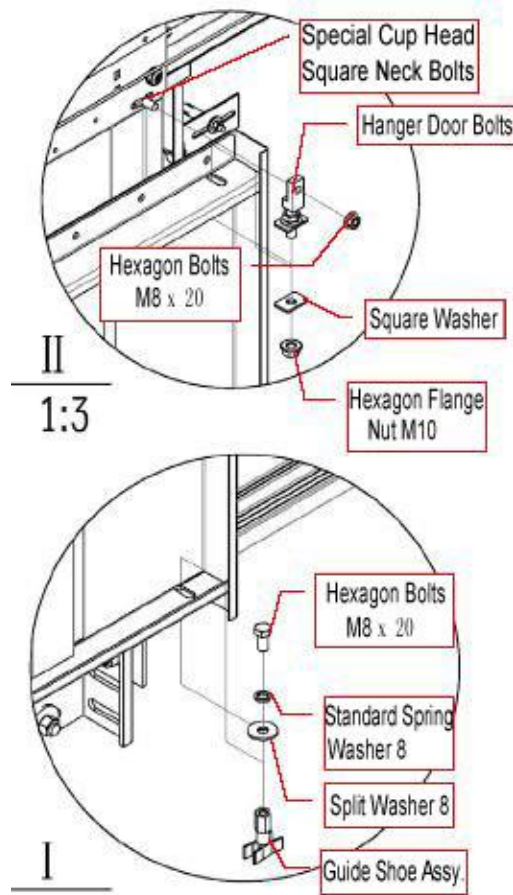
Refer to Figure 4-4



**Figure 4-4 Installation of Landing Door and Door Frame on site**

#### 4.5 Installation of Landing Door Panel and Guide Shoe

Refer to Figure 4-5

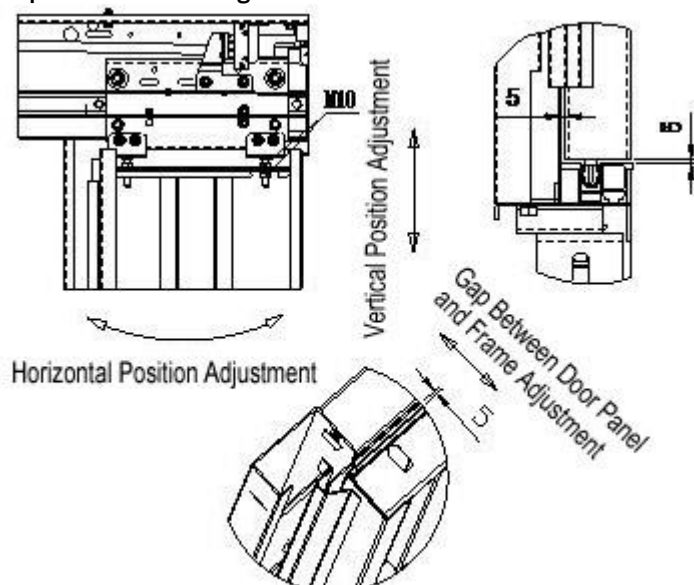


**Figure 4-5 Installation of Landing Door Panel and Guide Shoe**

#### 4.6 Adjustment of Landing Door Panel

a) horizontal adjustment: loose four M8 flange faced hexagonal nuts on the components of the hanger bolts for adjusting the door panel position. Refer to Figure 4-6.

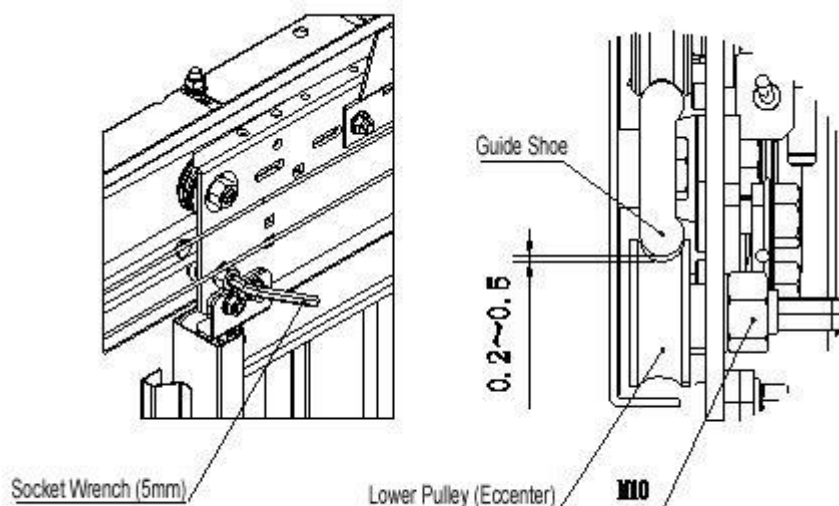
b) Vertical and gap adjustment: loose four M8 flange faced hexagonal nuts on the components of the hanger bolts adjusting the door panel position. Refer to Figure 4-6



**Figure 4-6. Adjustment of Landing Door Panel**

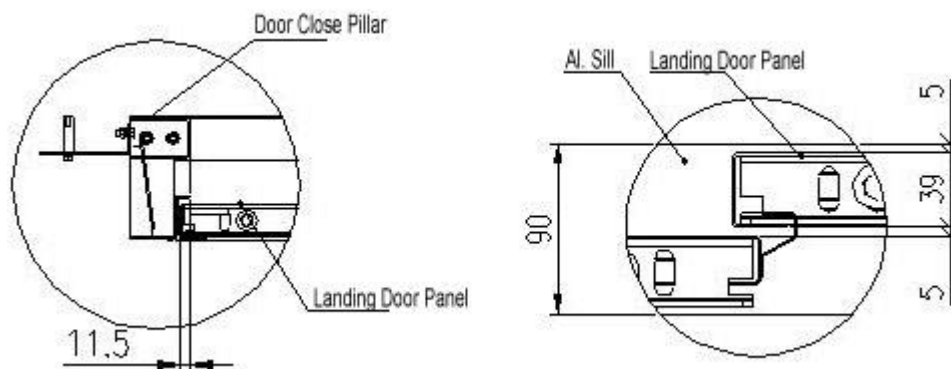
#### 4.7 Adjustment of Eccenter

Normally, the gap between pulley and rail has been adjusted after assembling in factory. During operation, in case of gap exceeding the given value, regulate the lower pulley (eccenter) to adjust the gap. The correct adjustment method is to adjust the gap between the lower pulley (eccenter) and rail within 0.2~0.5mm, and then lock the Nut M10. Refer to Figure 4-7.



**Figure 4-7 Adjustment Drawing of Eccenter**

#### 4.8 Landing Door Position in Door Closing State. Refer to Figure 4-8.



**Figure 4-8. Landing Door Position in Door Closing State**

### 5 Trouble Shooting

Refer to 《T2200 Side Opening Landing Door System Installation Manual》 relative content about trouble shooting.

### 6 Notes for Maintenance

Refer to 《T2200 Side Opening Landing Door System Installation Manual》 relative content about Notes for Maintenance.