

Installation Guide

FHT3000 Series

Applicable Models: FHT3300, FHT3400

Version: 1.1

Revision History

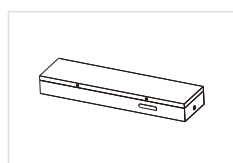
Revision	Date	Author	Reviewer	Description
V1.0	05/10/2023	Yang Kaijin		Original Document.
V1.1	03/20/2024	Yang Kaijin		The appearance of the device have been changed.

1 Installation Requirements

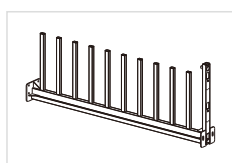
1. It is recommended that the device be installed on a level and solid floor. If the floor is uneven or not strong enough to hold the device in place, resurface the floor or use a pedestal mount to alleviate the change problem.
2. Do not use the device outdoors or in wet, corrosive conditions to prevent damage from rain, moisture, or corrosive materials. Only use it if the device is specifically rated as waterproof.
3. Make sure the device's grounding wire is securely connected. Differentiate between high and low voltage power setups to prevent potential harm to personal safety and unexpected incidents.
4. After installation, check the grounding wire, connectors, junctions of the connecting line, and moving parts to ensure they are securely connected. Promptly tighten any loose nuts, screws, or fasteners to prevent long-term gate failure.

2 Installation FHT3300 Series

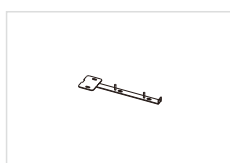
FHT3300 Series Component List



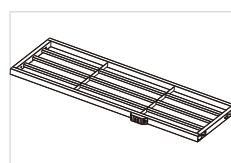
Mainboard
Controller Box
(Qty 1)



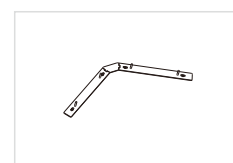
Stator Bar Frame
(Qty 1)



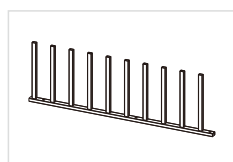
Fixing Plate for
Stator Bar Frame
(Qty 1)



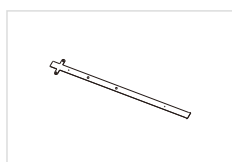
Passage Way Side Frame
(Qty 2)



Fixing Plate for
Passage Way Side Frame
(Qty 1)



Rotor Barrier
(Qty 3)



Floor Mounting Plate A
(Qty 1)

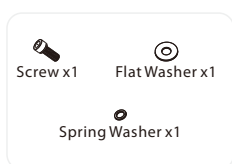


Floor Mounting Plate B
(Qty 1)

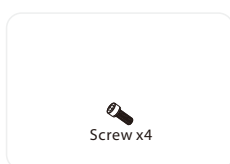
FHT3300 Series Accessory List



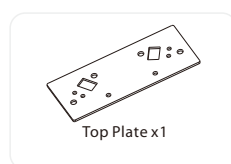
Accessory 1



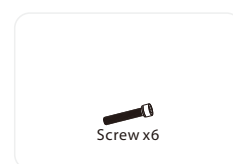
Accessory 2



Accessory 3



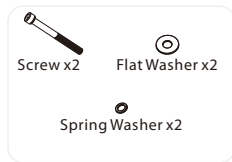
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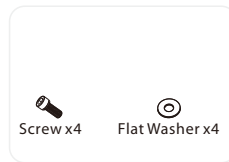
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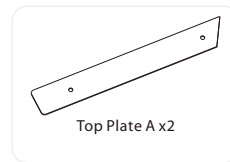
Accessory 6



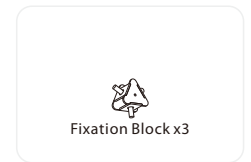
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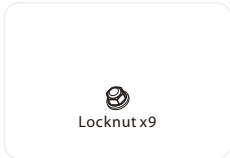
Accessory 8



Accessory 9



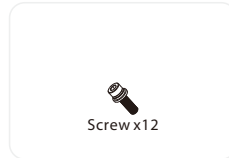
Accessory 10



Accessory 11



Accessory 12



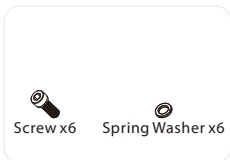
Accessory 13



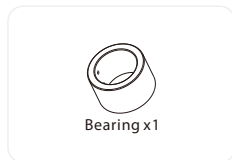
Accessory 14



Accessory 15



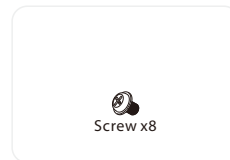
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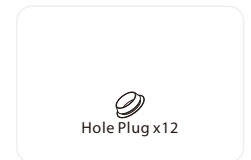
Accessory 17



Accessory 18



Accessory 19



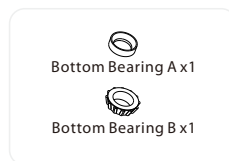
Accessory 20



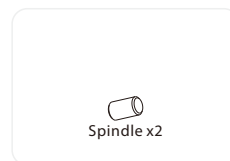
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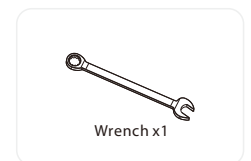
Accessory 22



Accessory 23



Accessory 24



Accessory 25



Accessory 26



Accessory 27



Accessory 28



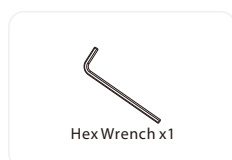
Accessory 29



Accessory 30



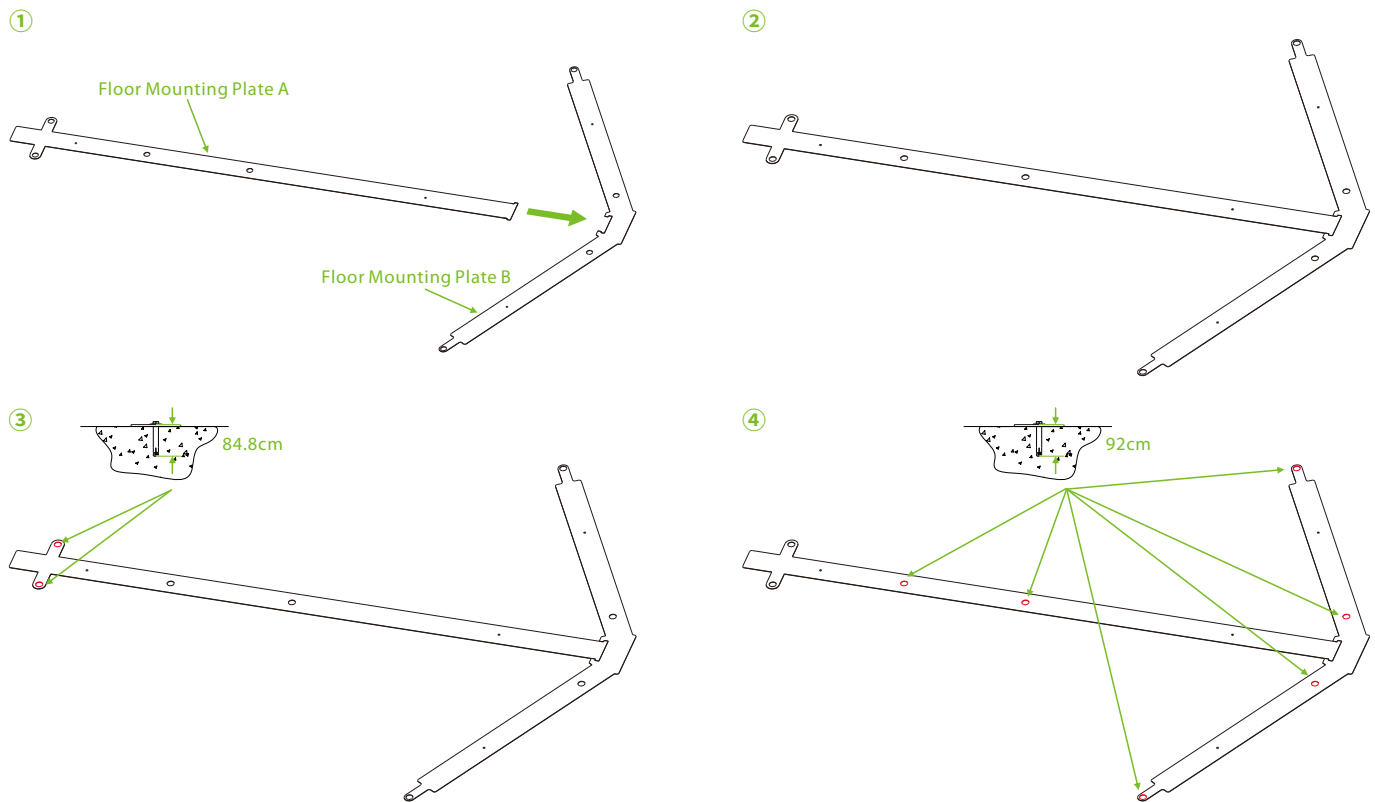
Accessory 31



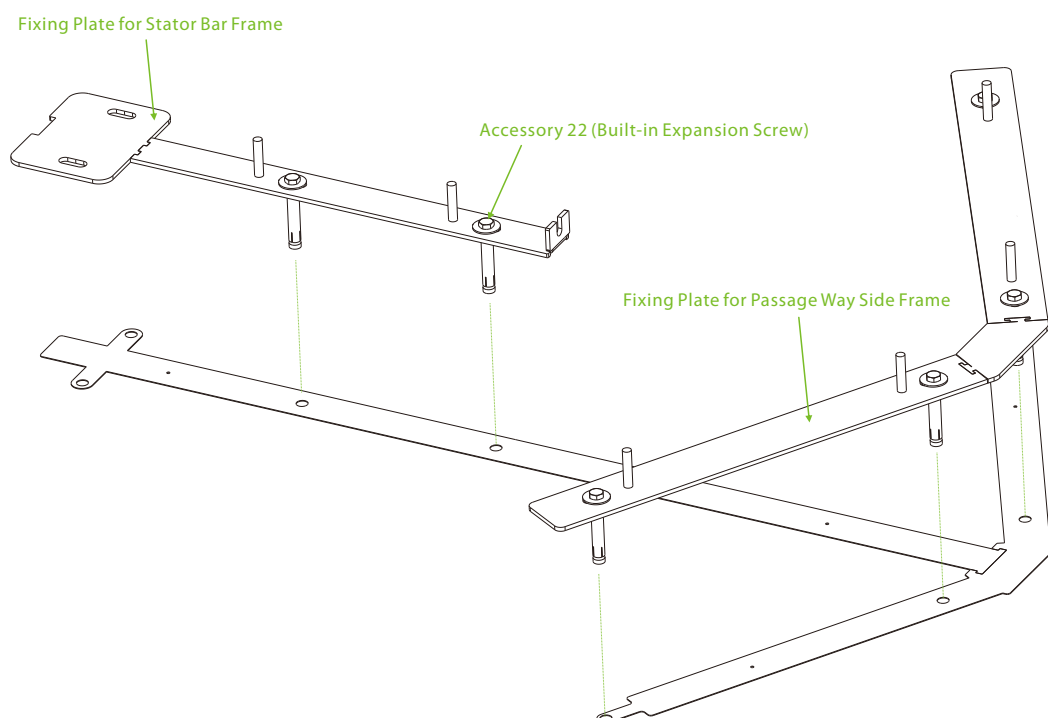
Accessory 32

FHT3300 Series Installation Procedure

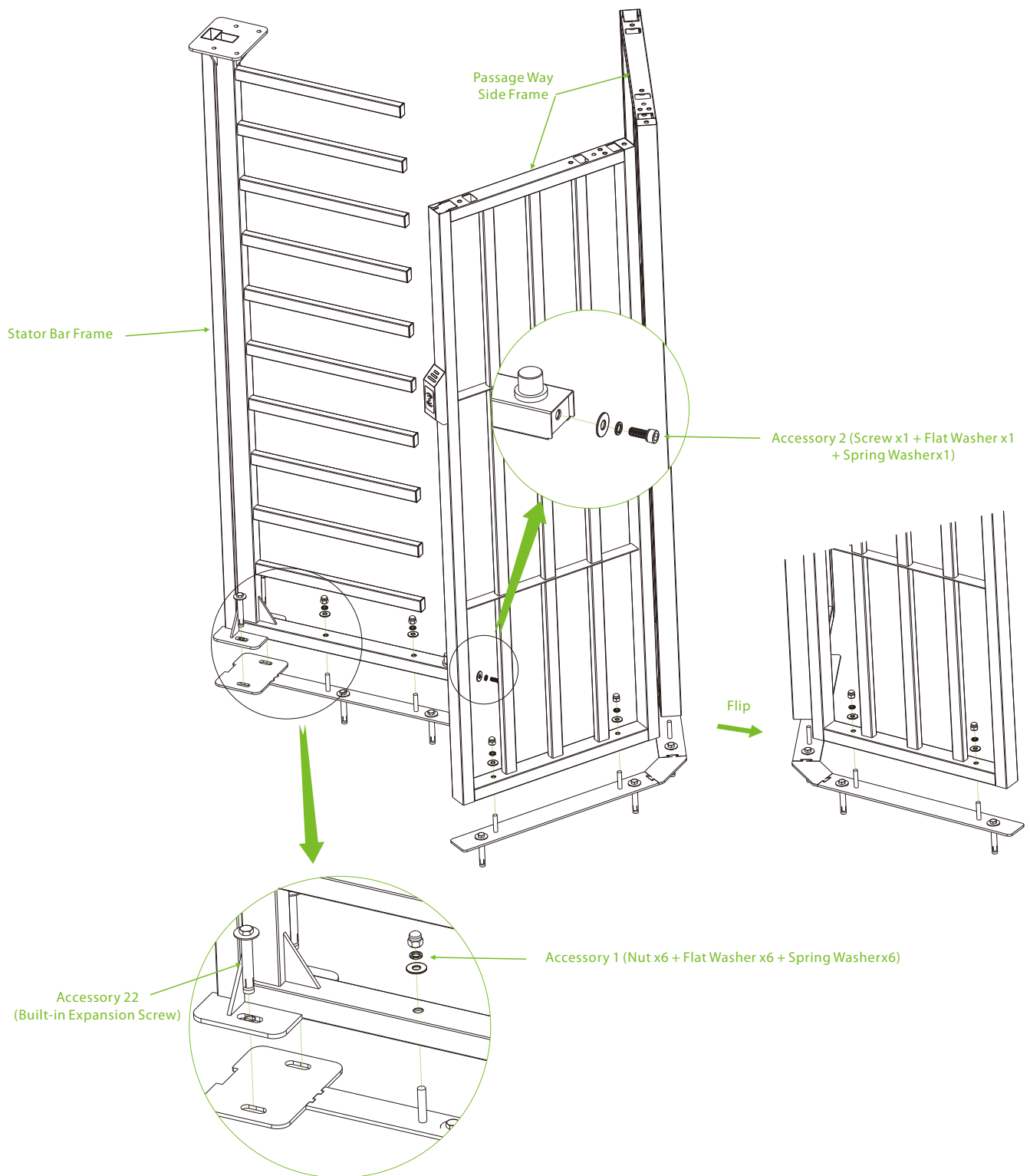
1. Connect **Floor Mounting Plate A** and **Floor Mounting Plate B** together and use an electric drill to drill 6 holes to a depth of 92cm and 2 holes to a depth of 84.8cm. As shown in the diagram below:



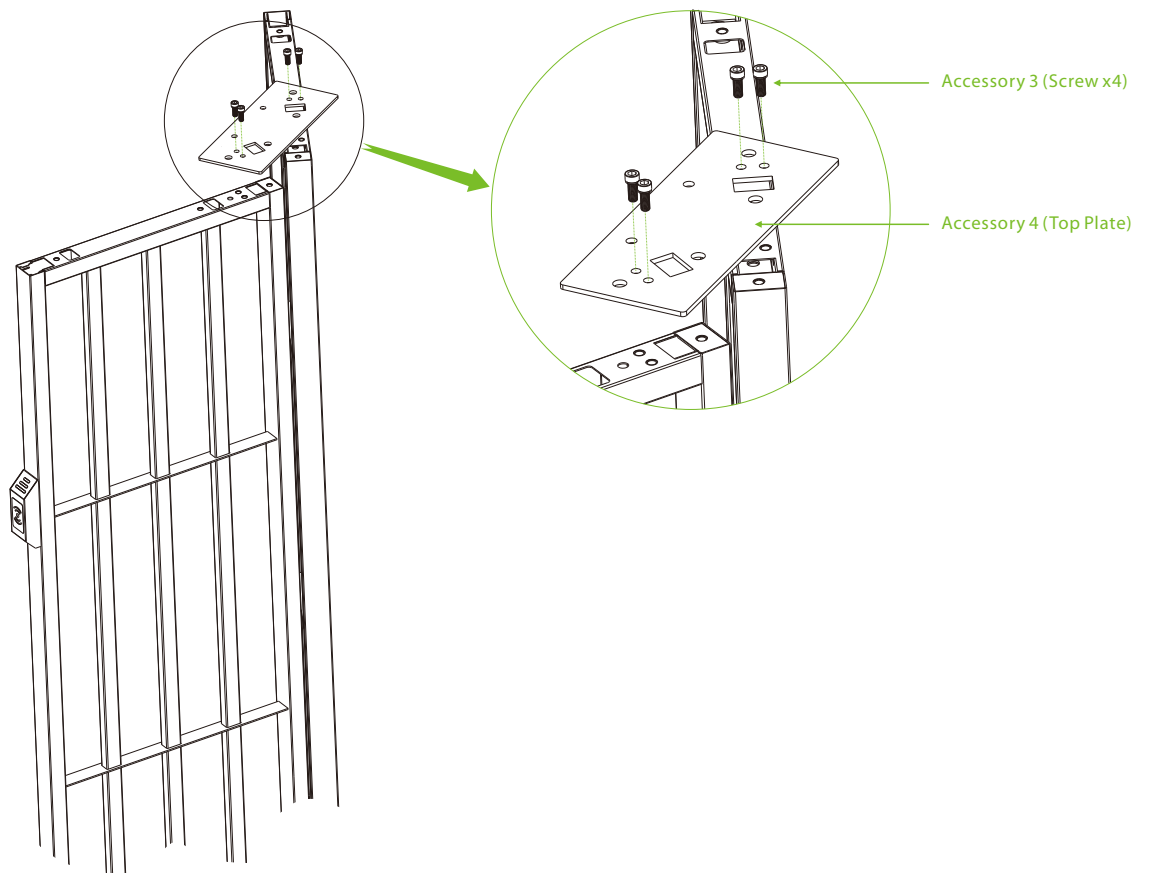
2. Install the **Fixing Plate for Stator Bar Frame** and **Fixing Plate for Passage Way Side Frame** on the **Floor Mounting Plate**. Secure them in place using 6 **Built-in Expansion Screws**.



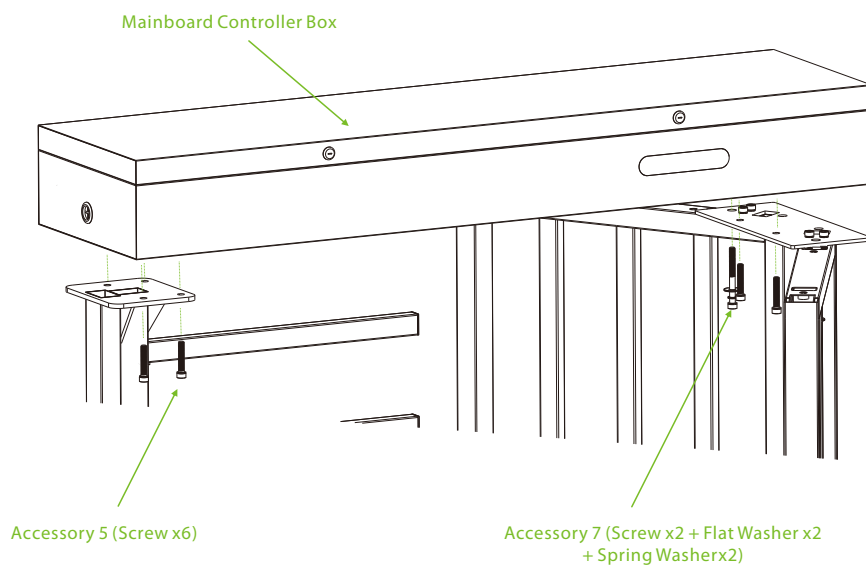
3. Attach the **Stator Bar Frame** and **Passage Way Side Frame** to the corresponding **Fixing Plate** respectively. Secure them using 2 **Built-in Expansion Screws**, and **Accessory 1** and **Accessory 22**.

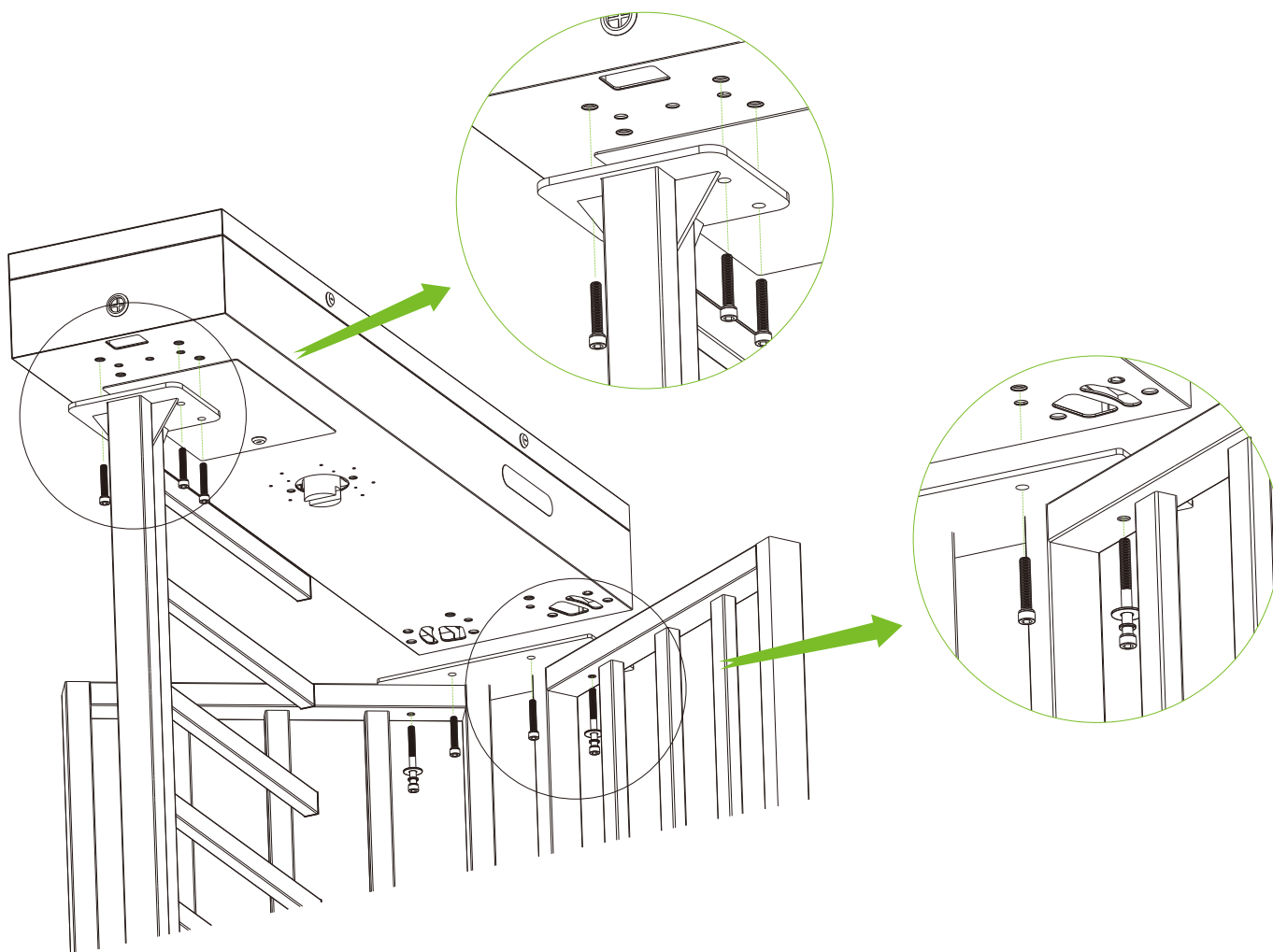


4. Attach **Accessory 4 (Top Plate)** to the top of the **Passage Way Side Frame** using the screws from **Accessory 3**.

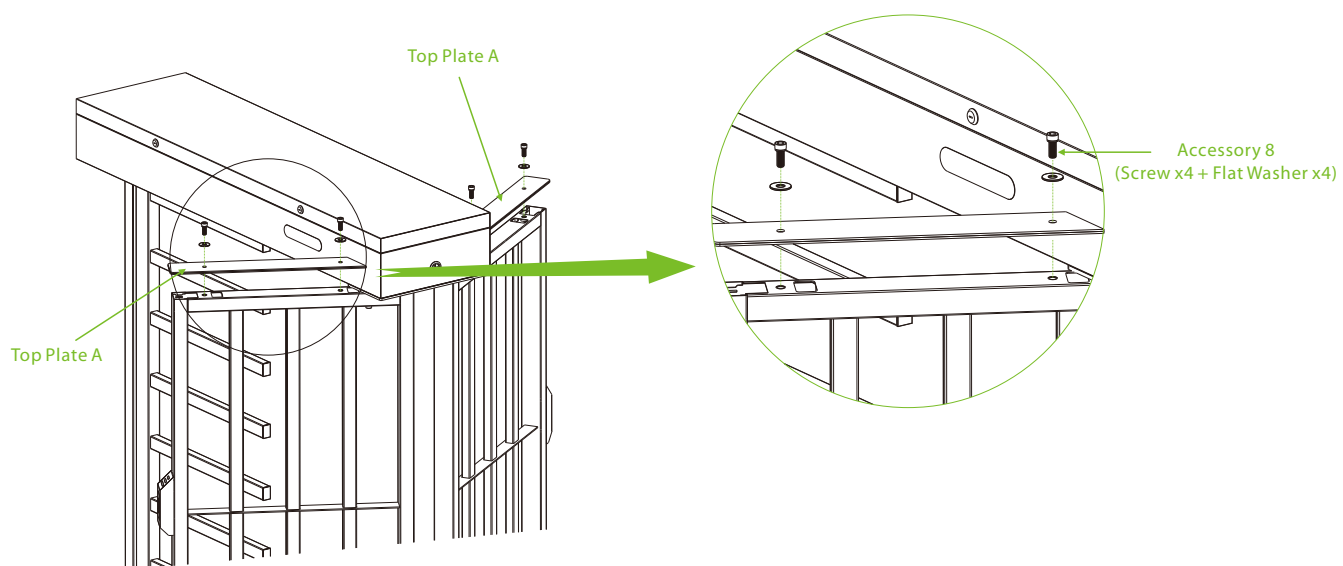


5. Mount the **Mainboard Controller Box** on top of the **Stator Bar Frame** and **Passage Way Side Frame**, and secure with screws from **Accessory 5** and **Accessory 7**.

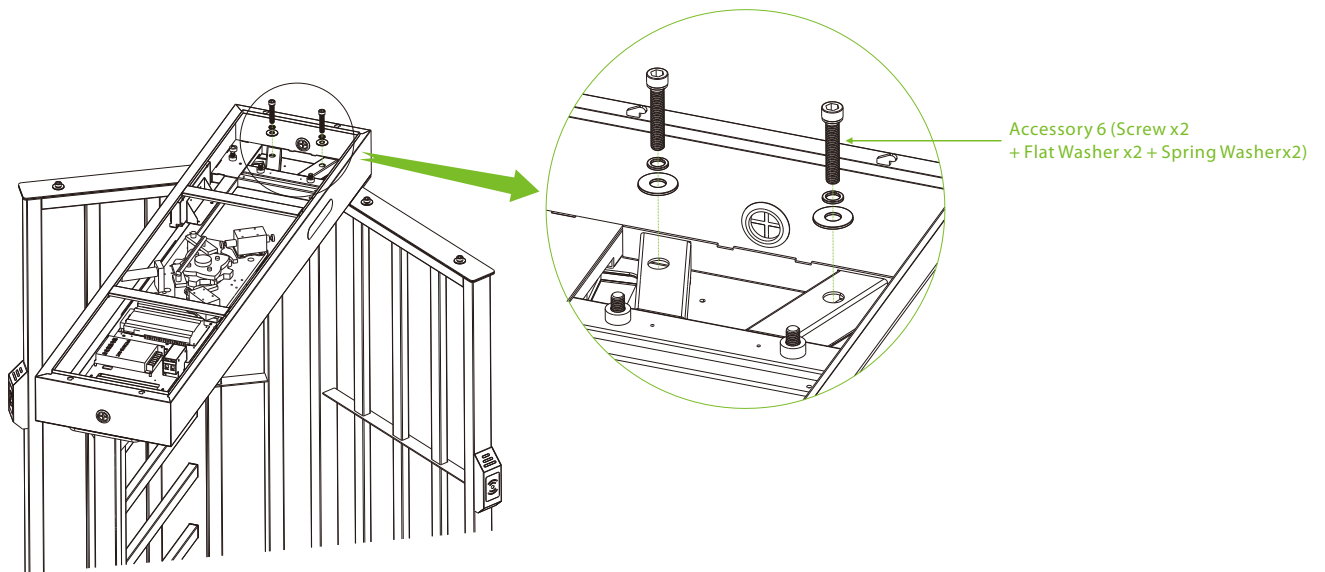




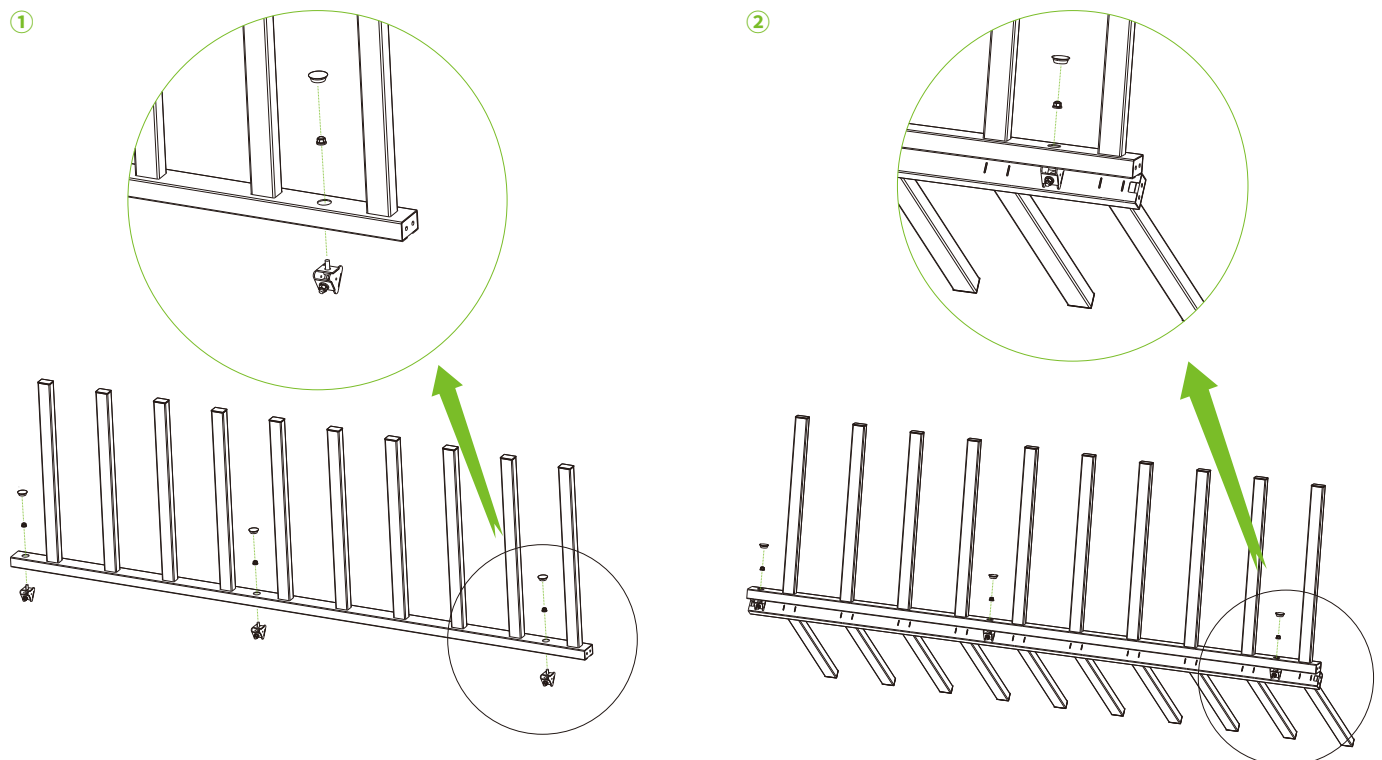
6. Attach the 2-sided **Top Plate A** to the top of the **Passage Way Side Frame** using the screws in **Accessory 8**.

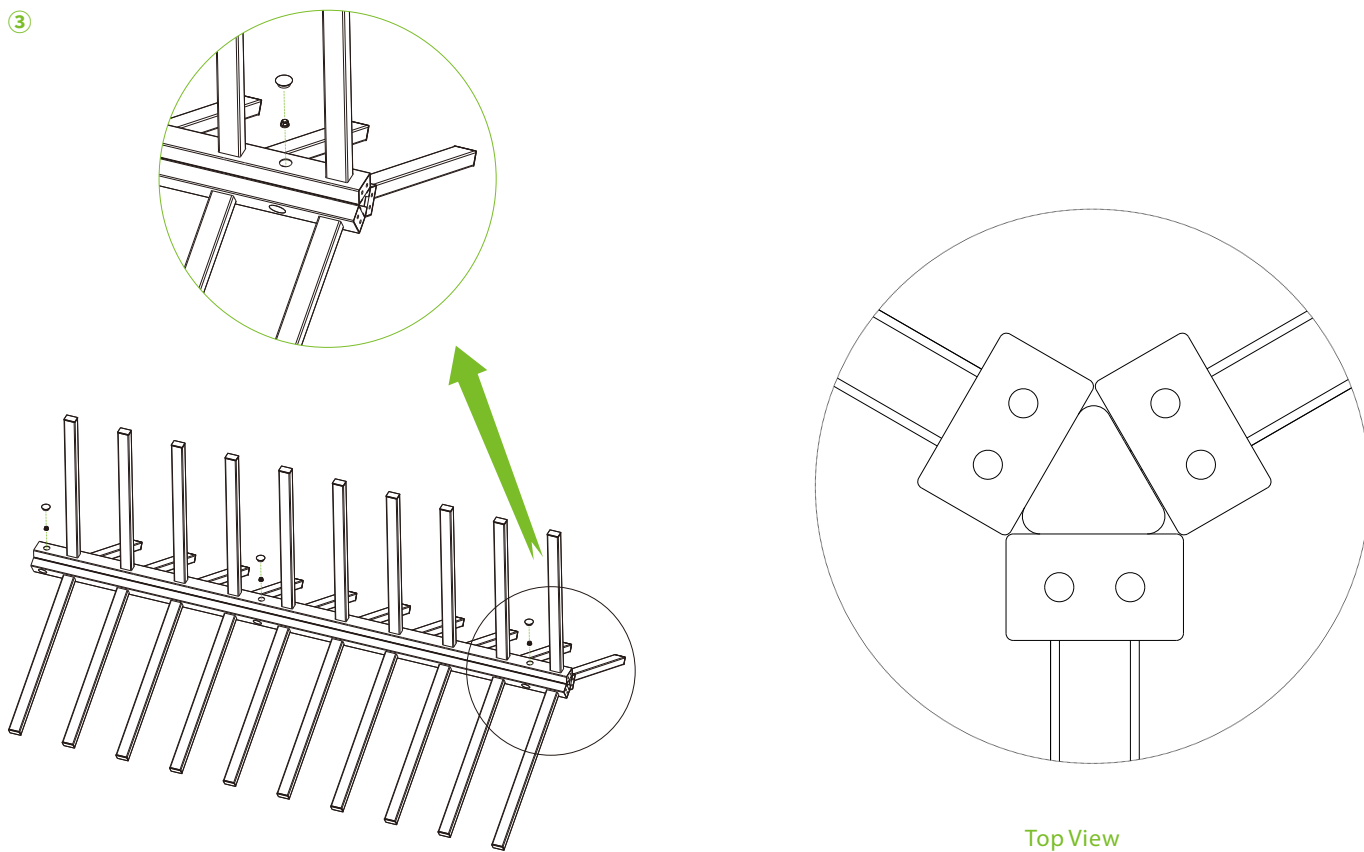


7. Open the door of the **Mainboard Controller Box** and secure the **Mainboard Controller Box** to the **Passage Way Side Frame** using the screws provided in **Accessory 6**.

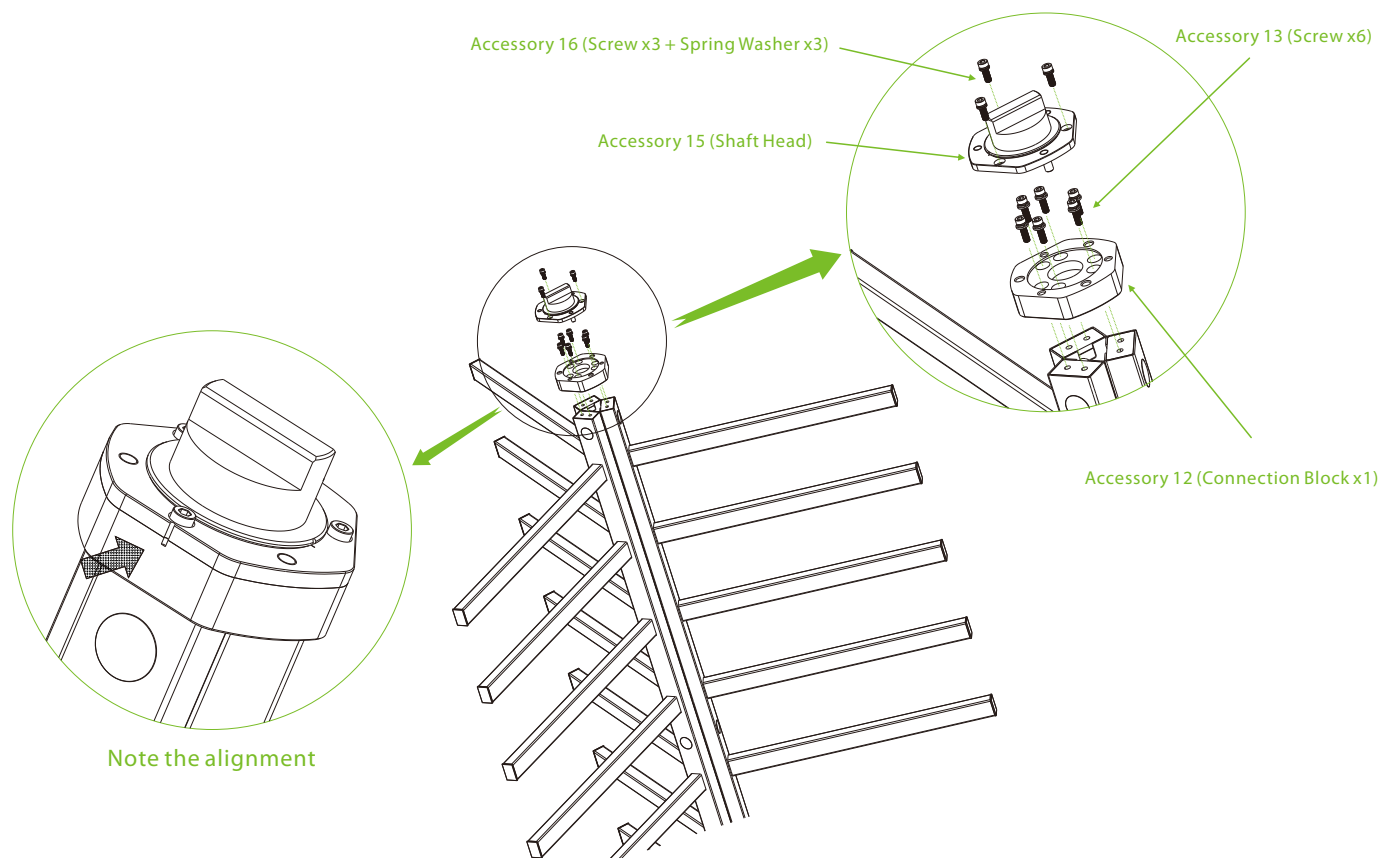


8. Assemble the three **Rotor Barriers** together using the **Fixation Block** from **Accessory 10**, **Locknut** from **Accessory 11** and **Hole Plug** from **Accessory 20**.

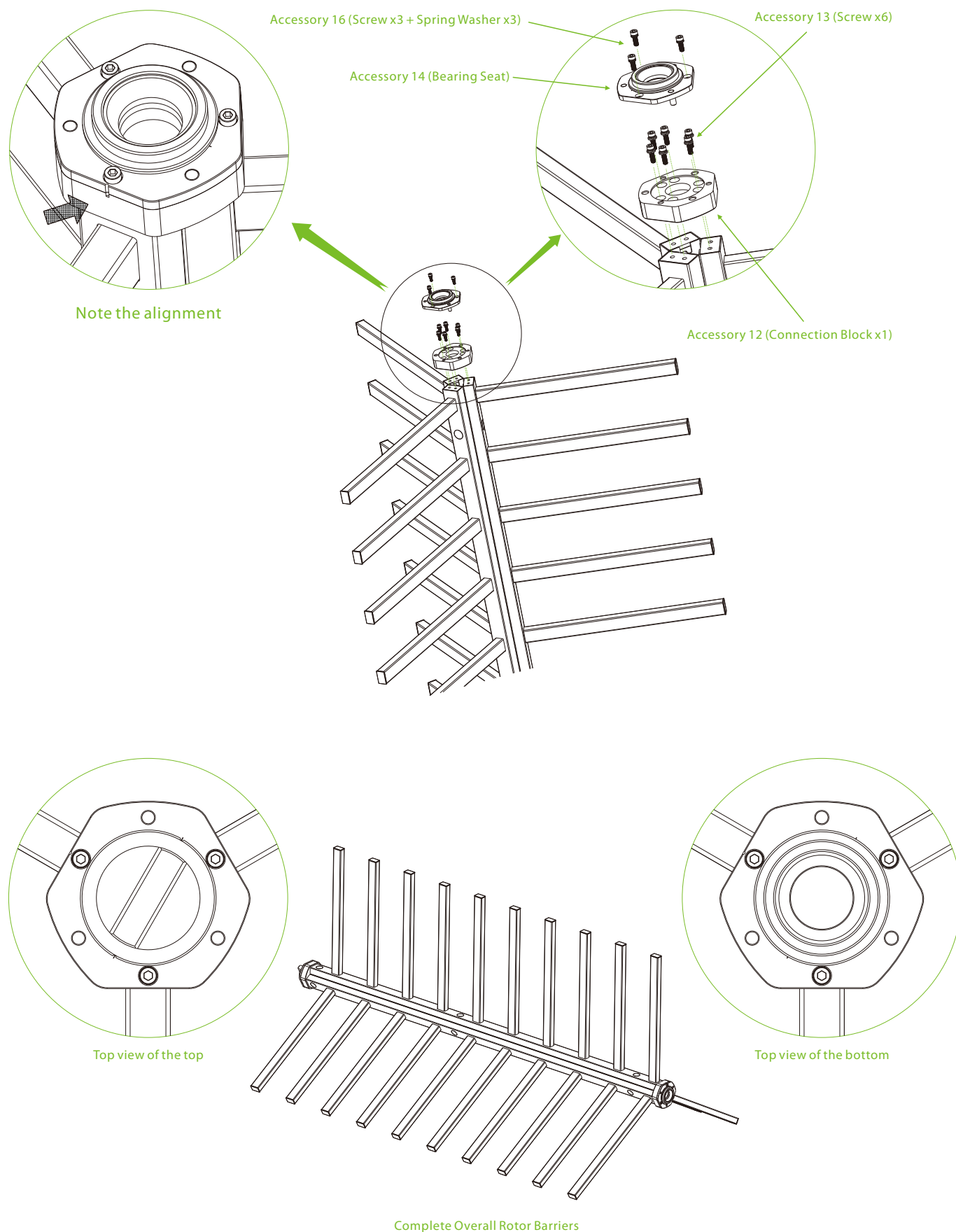




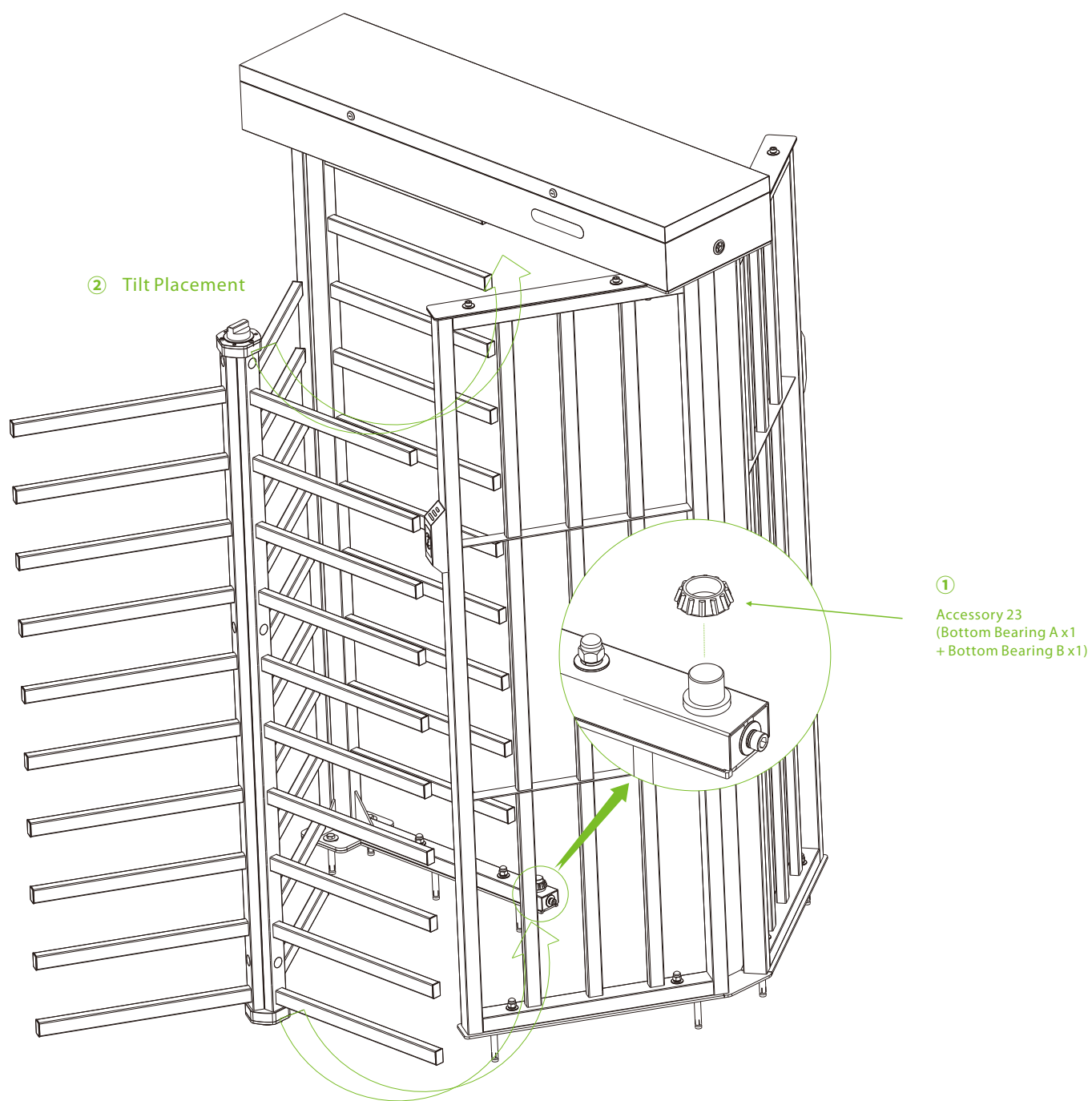
9. Install the **Shaft Head** and the **Connection Block** on top of **Rotor Barriers**, as installation is shown below. **Note:** Pay attention to the direction.



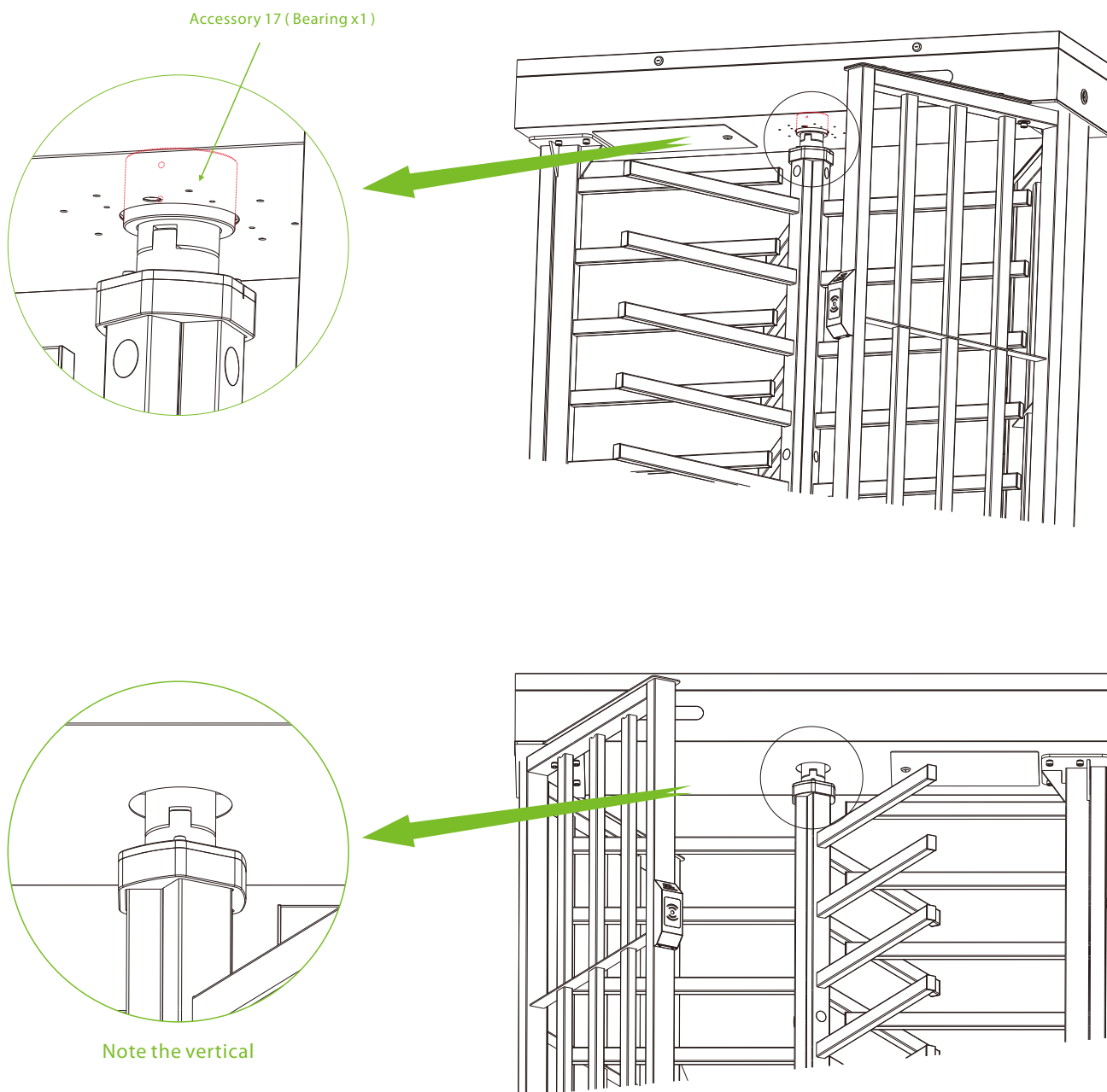
10. Install the **Bearing Seat** and the **Connection Block** on bottom of **Rotor Barriers**, as installation is shown below. **Note:** Pay attention to the direction.



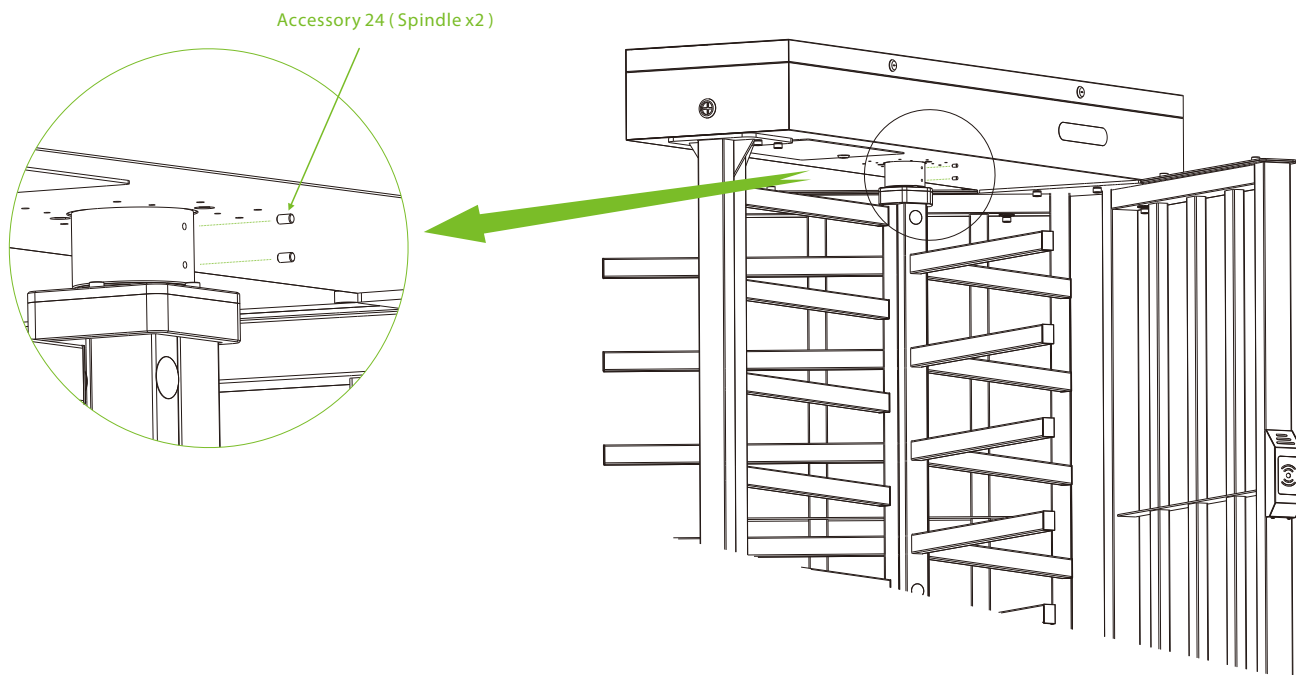
11. Place the **Accessory 23** on the **Stator Bar Frame**, then install **Complete Overall Rotor Barriers** on the **Stator Bar Frame**.



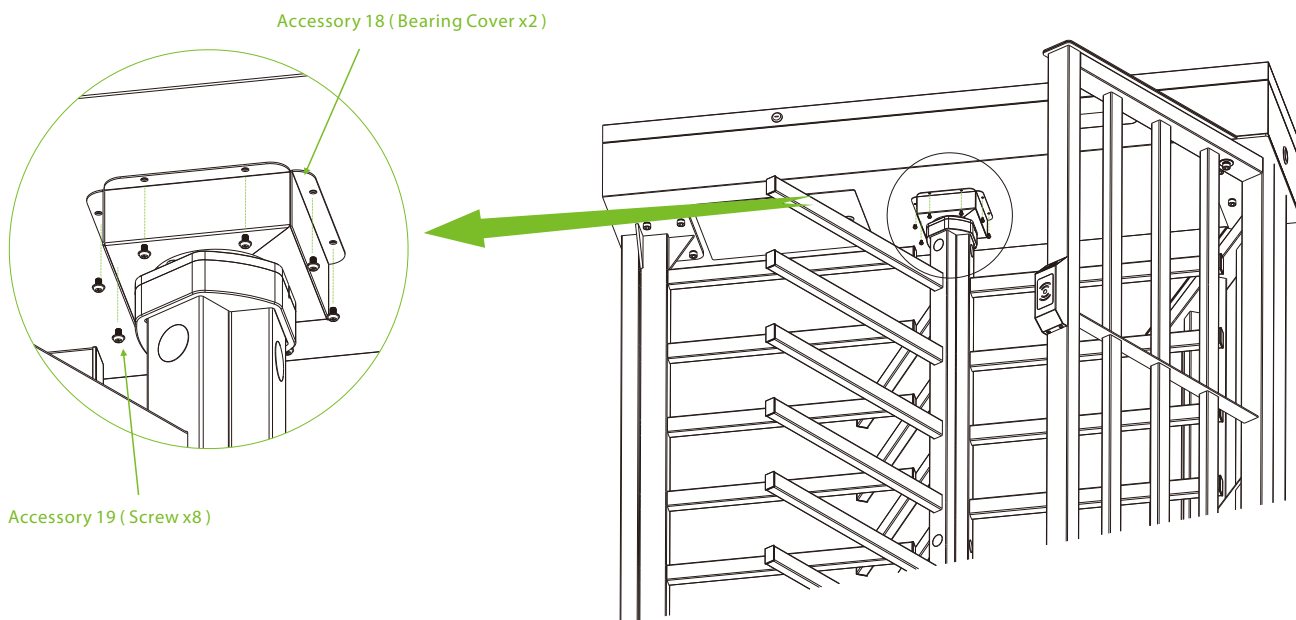
12. Before inserting the tops of the **Complete Overall Rotor Barriers** into the rotating parts on the bottom of the **Mainboard Controller Box**, it is necessary to install the **Accessory 17** on the rotating parts on the bottom of the **Mainboard Controller Box** (The bearing need to be pushed up), and then insert the **Complete Overall Rotor Barriers** correctly under the **Mainboard Controller Box**. **Note:** After putting in need to vertical.



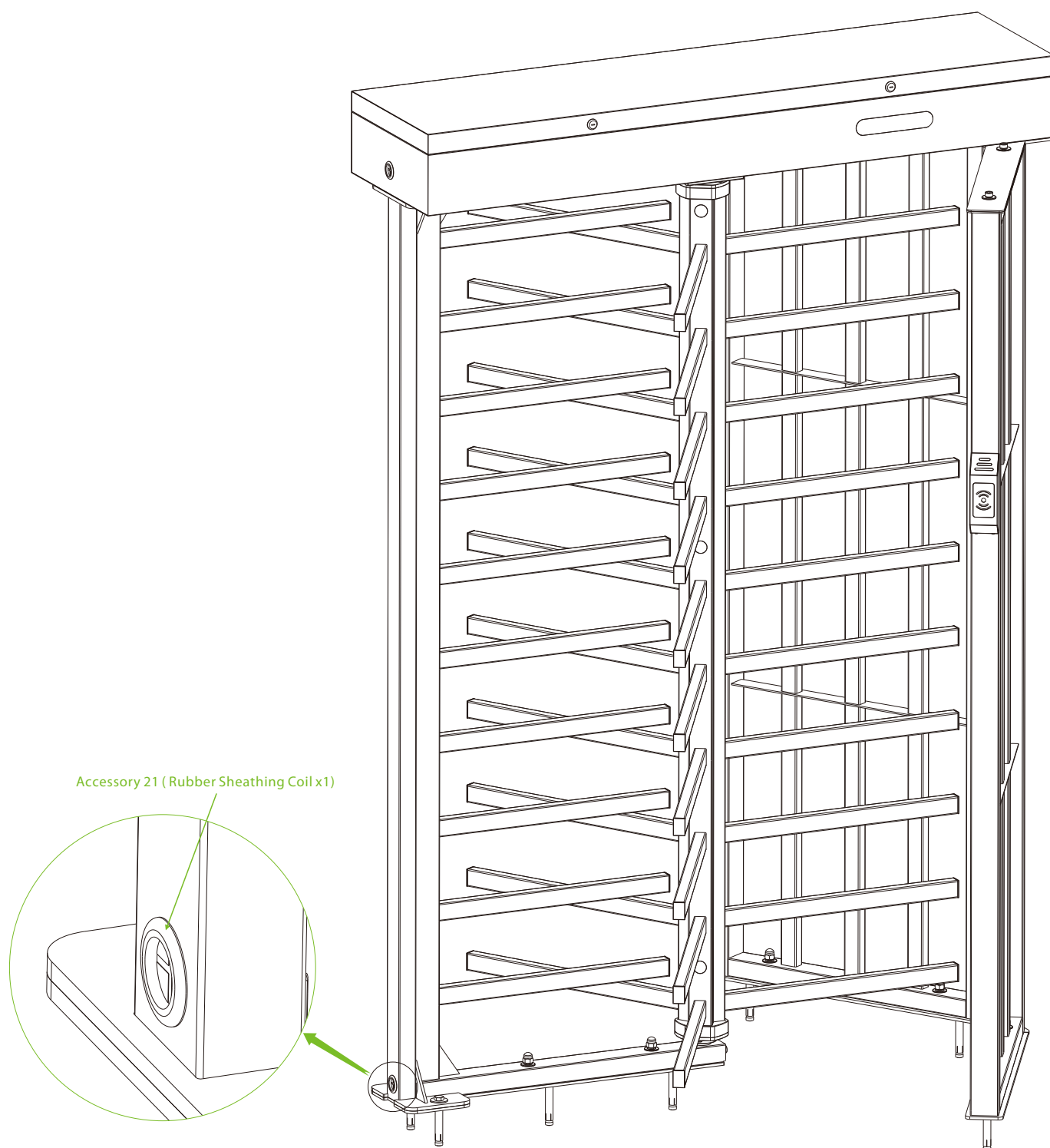
13. Use the **Accessory 24** to secure the **Complete Overall Rotor Barriers**.



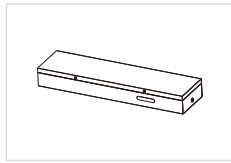
14. Use the **Accessory 18** and the **Accessory 19** to secure **Complete Overall Rotor Barriers** and **Accessory 17** to the bottom of the **Mainboard Controller Box**.



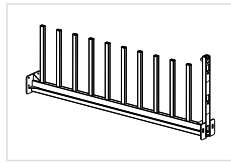
15. After the installation of FHT3300 series device is completed, inserted the **Rubber Sheathing Coil** into the corresponding positions.



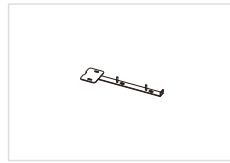
FHT3400 Series Component List



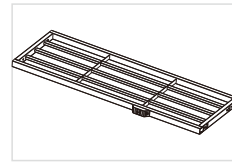
Mainframe Box
(Qty 1)



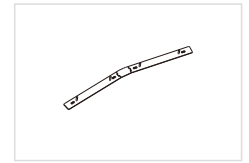
Stator Bar Frame
(Qty 1)



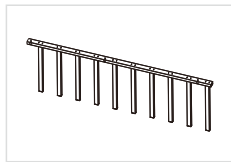
Fixing Plate for
Stator Bar Frame
(Qty 1)



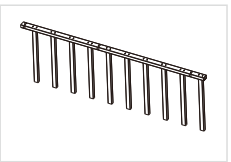
Passage Way Side Frame
(Qty 2)



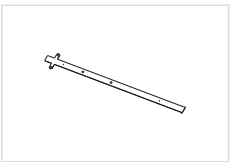
Fixing Plate for
Passage Way Side Frame
(Qty 1)



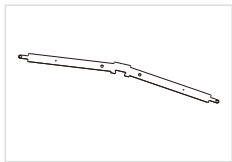
Rotor Barrier A
(Qty 3)



Rotor Barrier B
(Qty 1)



Floor Mounting Plate A
(Qty 1)

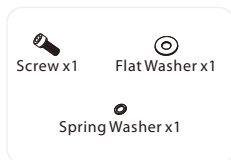


Floor Mounting Plate B
(Qty 1)

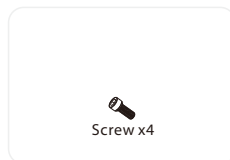
FHT3400 Series Accessory List



Accessory 1



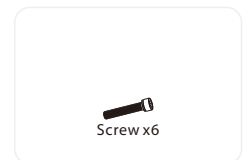
Accessory 2



Accessory 3



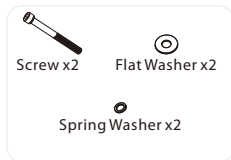
Accessory 4



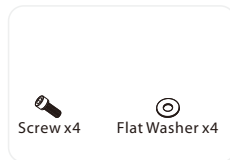
Accessory 5



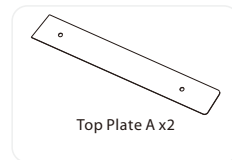
Accessory 6



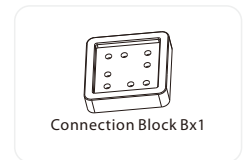
Accessory 7



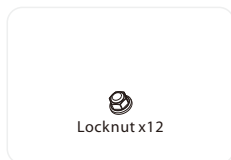
Accessory 8



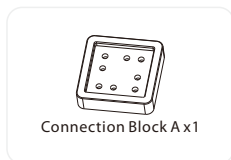
Accessory 9



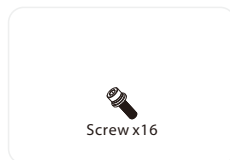
Accessory 10



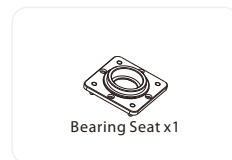
Accessory 11



Accessory 12



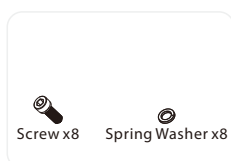
Accessory 13



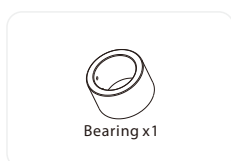
Accessory 14



Accessory 15



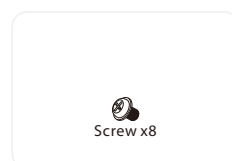
Accessory 16



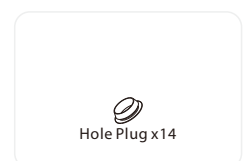
Accessory 17



Accessory 18



Accessory 19



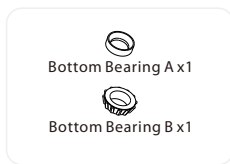
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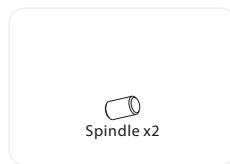
Accessory 21



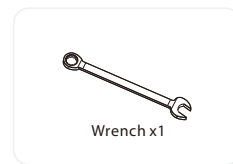
Accessory 22



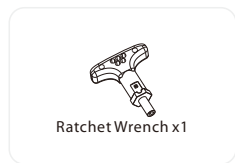
Accessory 23



Accessory 24



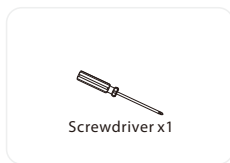
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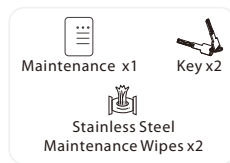
Accessory 26



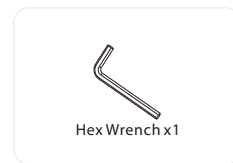
Accessory 27



Accessory 28



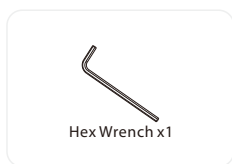
Accessory 29



Accessory 30



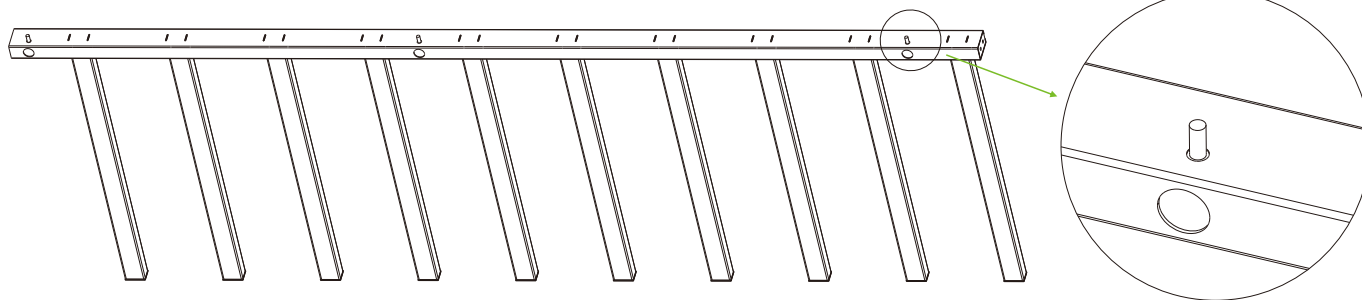
Accessory 31



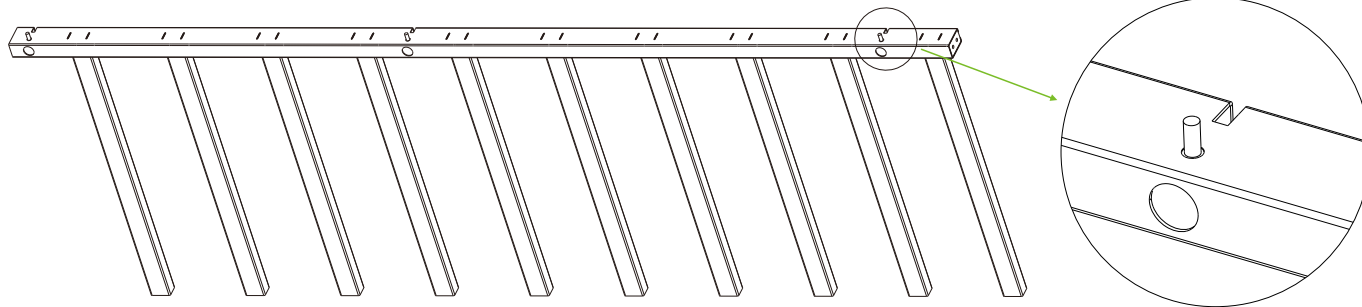
Accessory 32

Note:

Rotor Barrier A

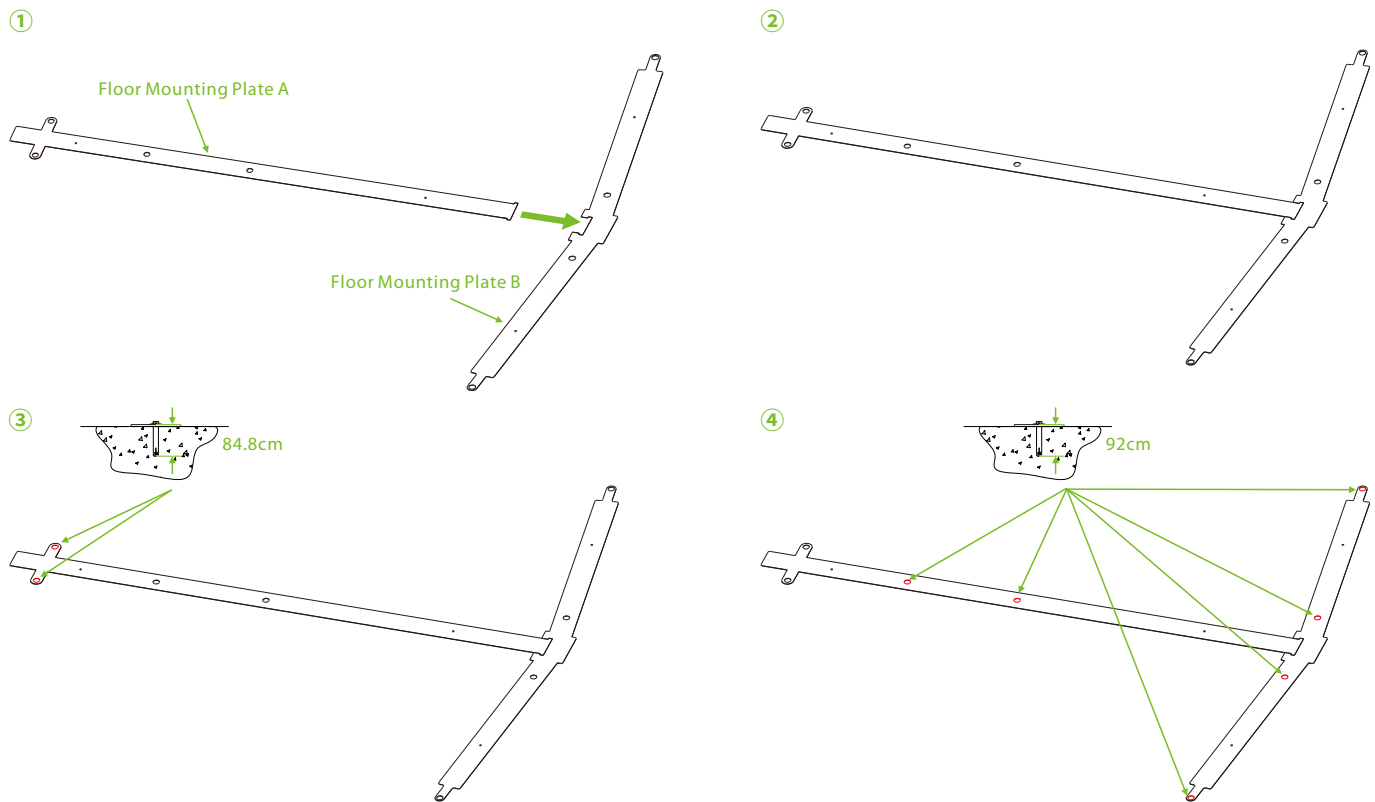


Rotor Barrier B

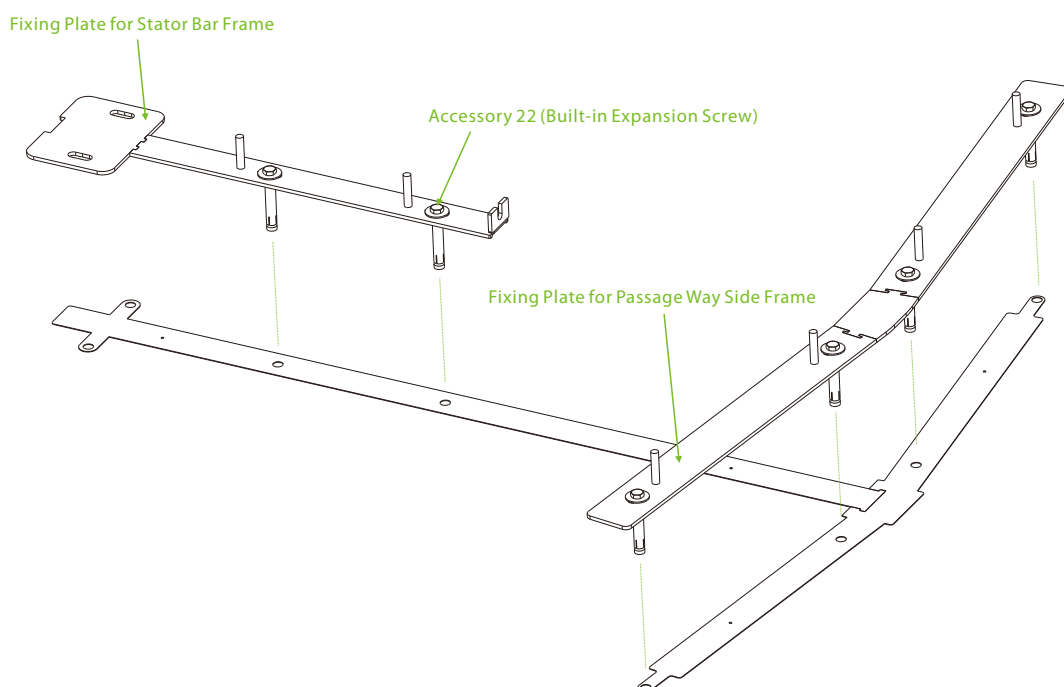


FHT3400 Series Installation Procedure

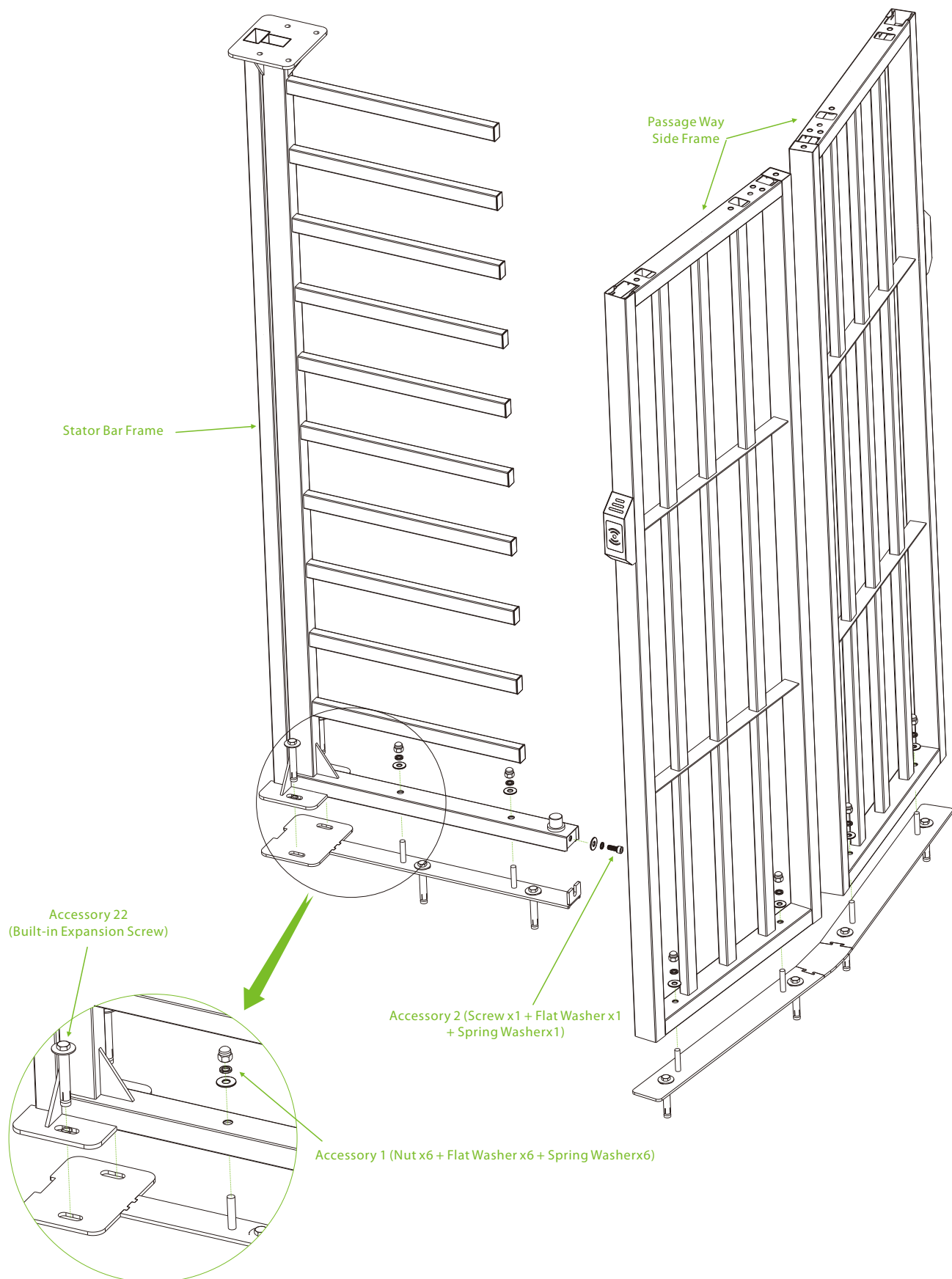
1. Connect **Floor Mounting Plate A** and **Floor Mounting Plate B** together and use an electric drill to drill 6 holes to a depth of 92cm and 2 holes to a depth of 84.8cm. As shown in the diagram below:



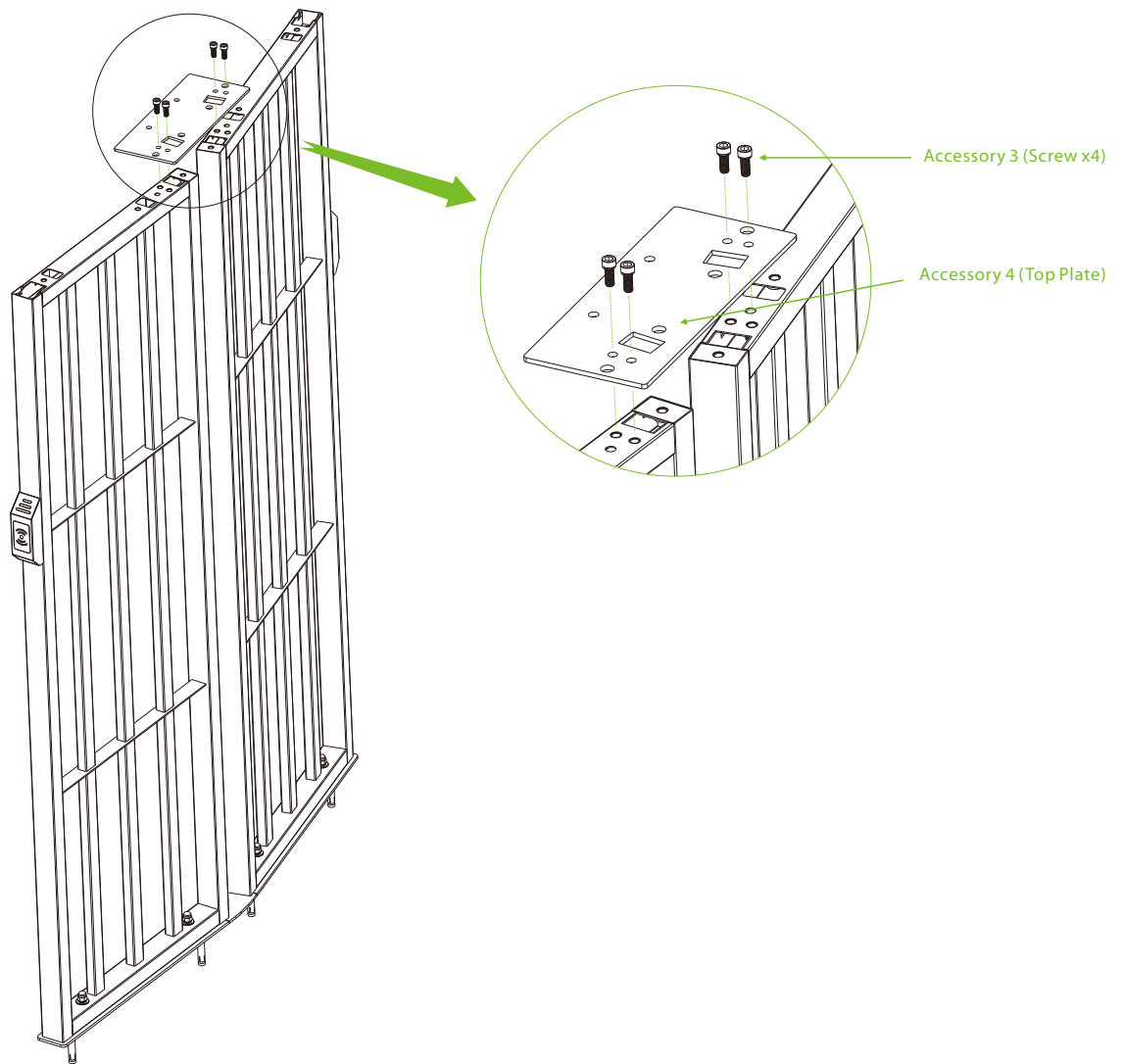
2. Install the **Fixing Plate for Stator Bar Frame** and **Fixing Plate for Passage Way Side Frame** on the **Floor Mounting Plate**. Secure them using 6 **Built-in Expansion Screws**.



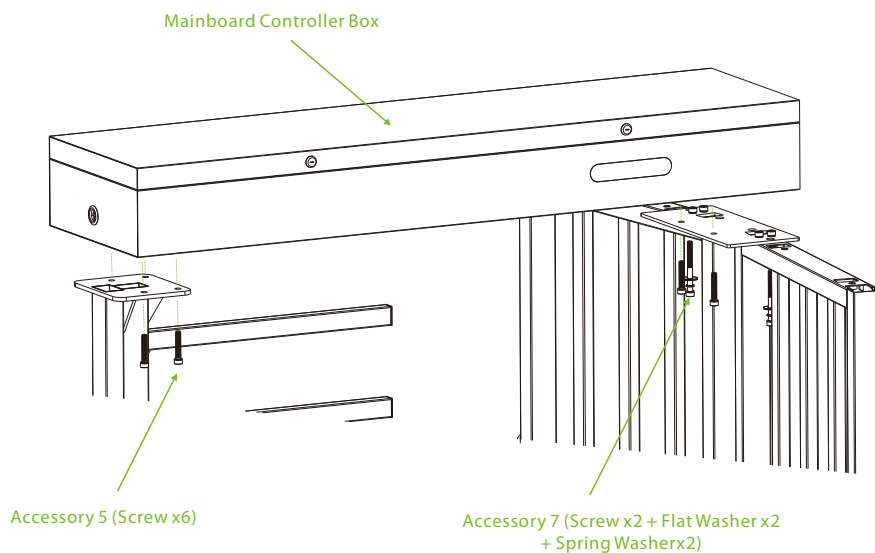
3. Attach the **Stator Bar Frame** and **Passage Way Side Frame** to the corresponding **Fixing Plate** respectively. Secure them using 2 **Built-in Expansion Screws**, and **Accessory 1** and **Accessory 22**.

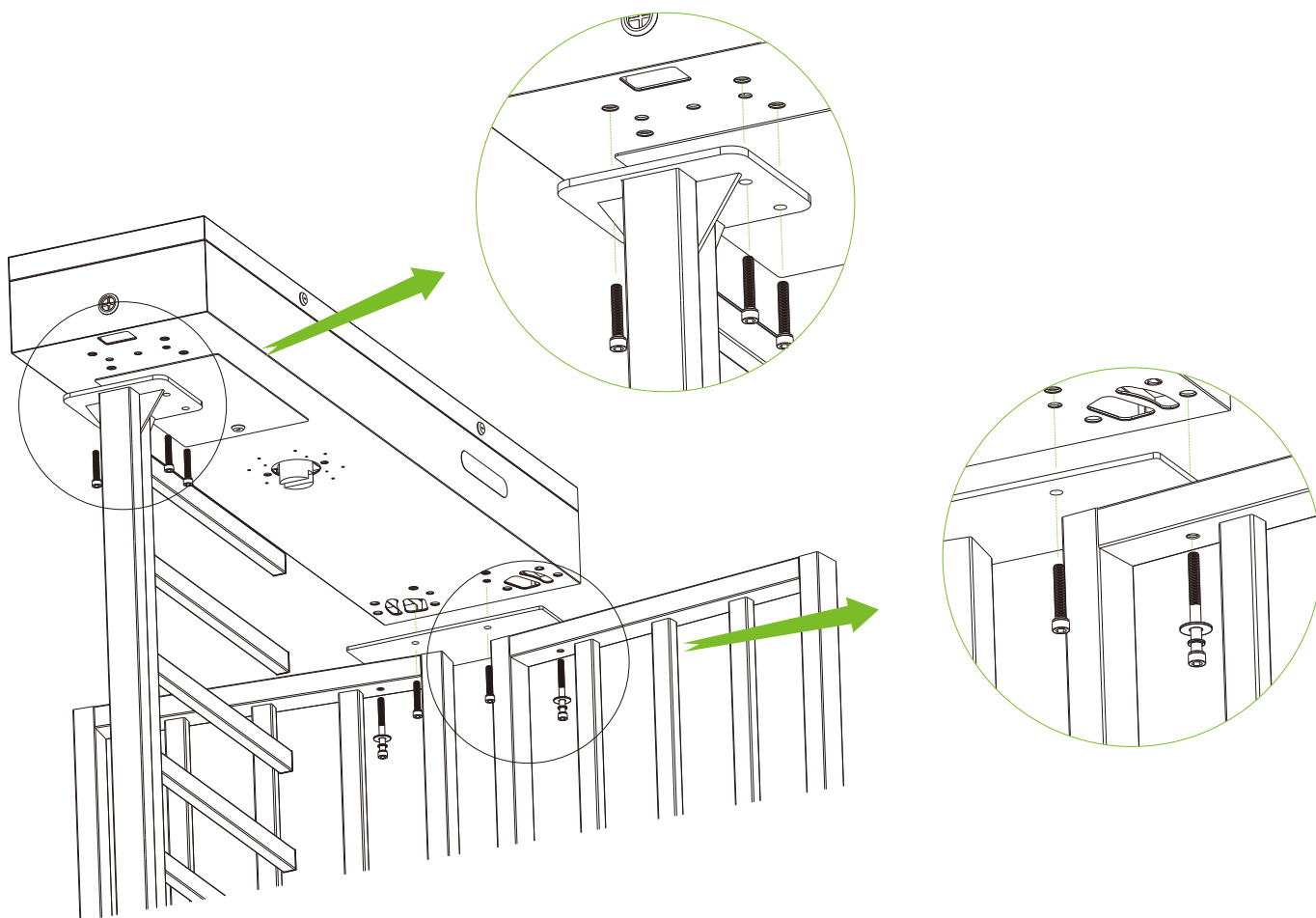


4. Attach **Accessory 4 (Top Plate)** to the top of the **Passage Way Side Frame** using the screws from **Accessory 3**.

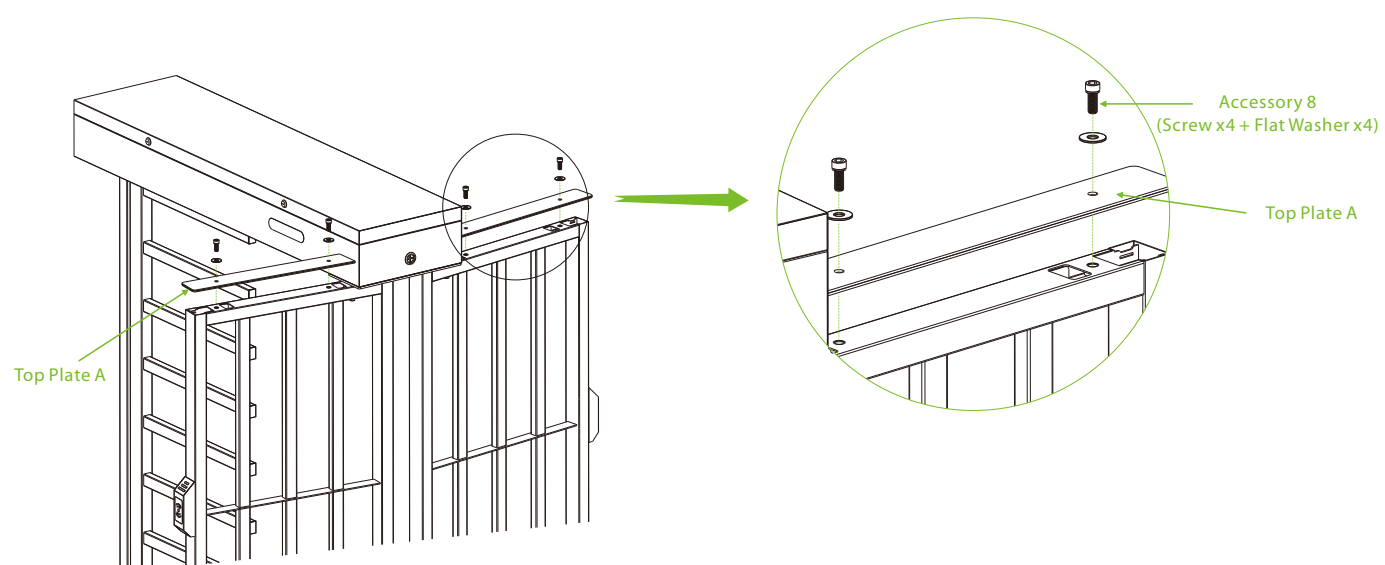


5. Mount the **Mainboard Controller Box** on top of the **Stator Bar Frame** and **Passage Way Side Frame**, and secure with screws from **Accessory 5** and **Accessory 7**.

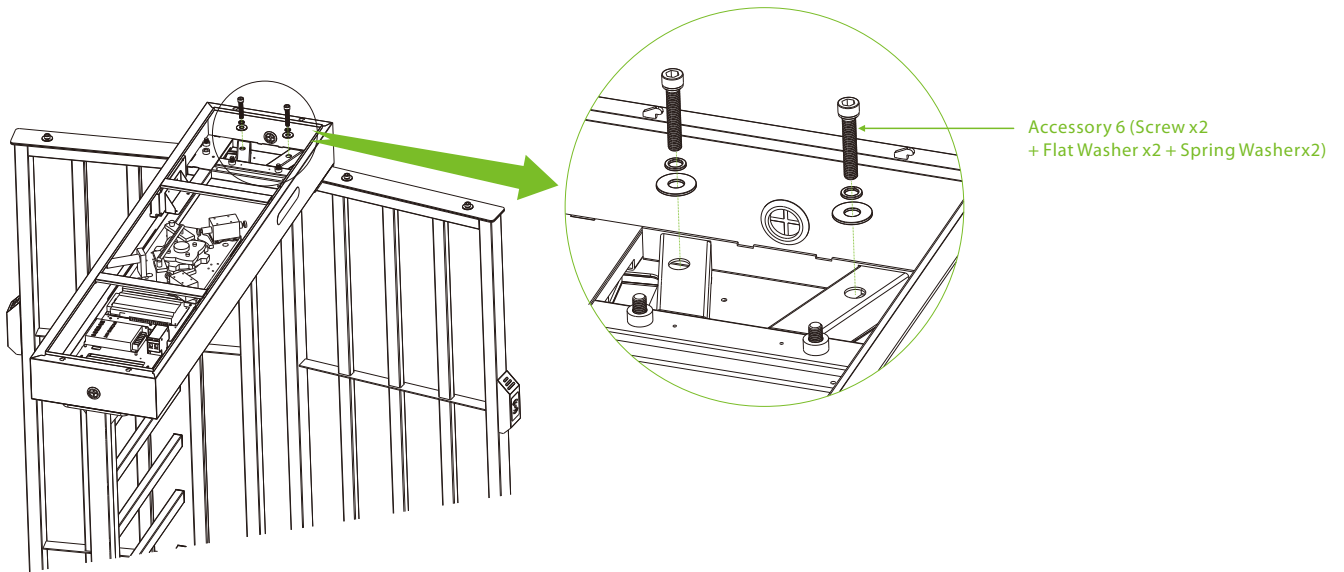




6. Attach the 2-sided **Top Plate A** to the top of the **Passage Way Side Frame** using the screws in **Accessory 8**.

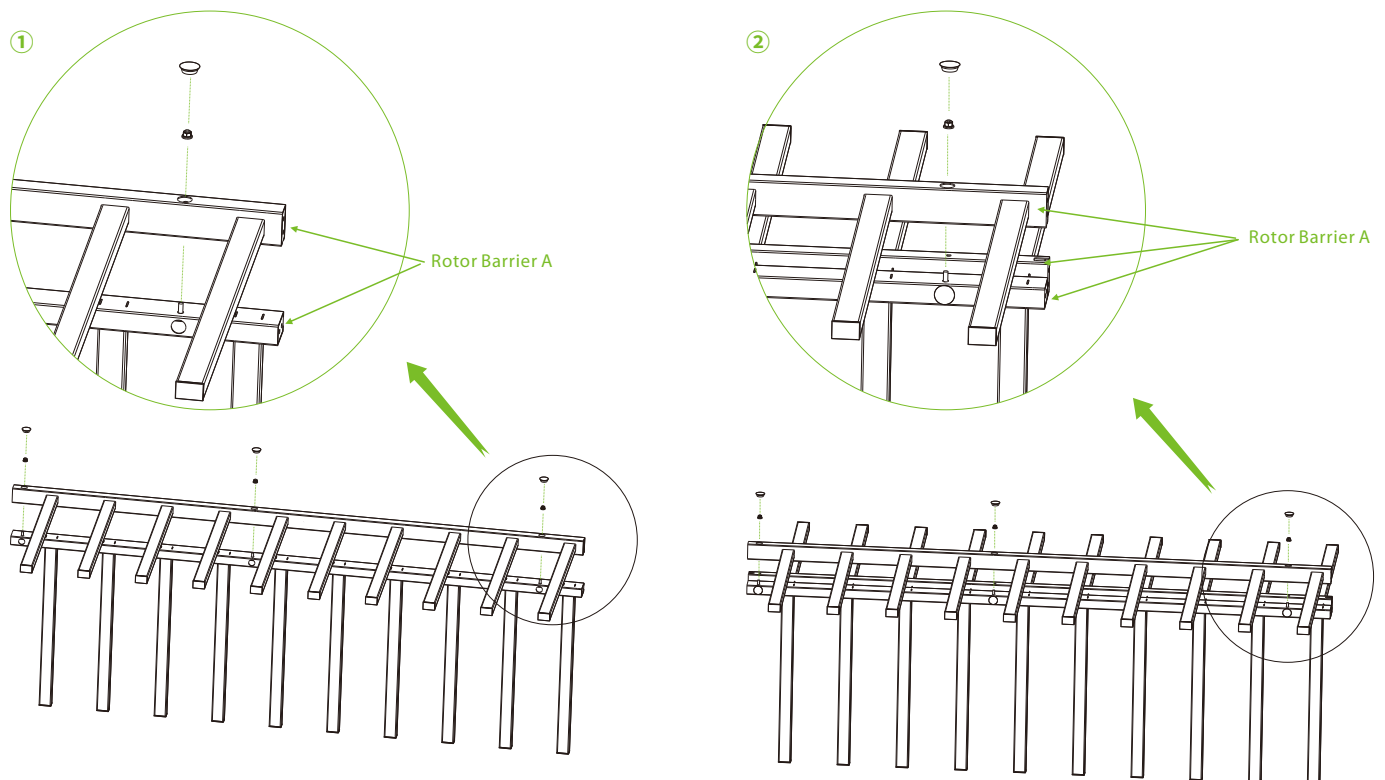


7. Open the door of the **Mainboard Controller Box** and secure the **Mainboard Controller Box** to the **Passage Way Side Frame** using the screws in **Accessory 6**.

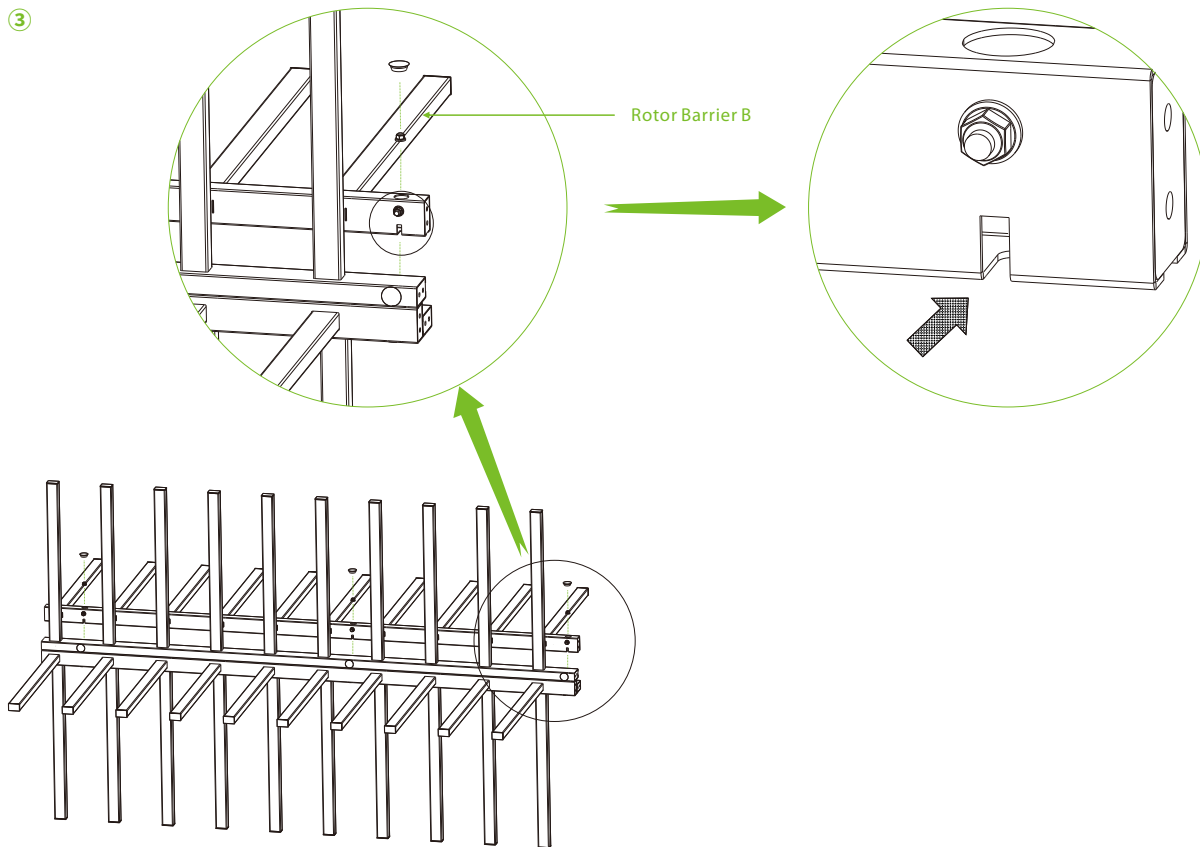


8. Assemble the four **Rotor Barriers** together using the **Locknut** from **Accessory 11** and the **Hole Plug** from **Accessory 20**.

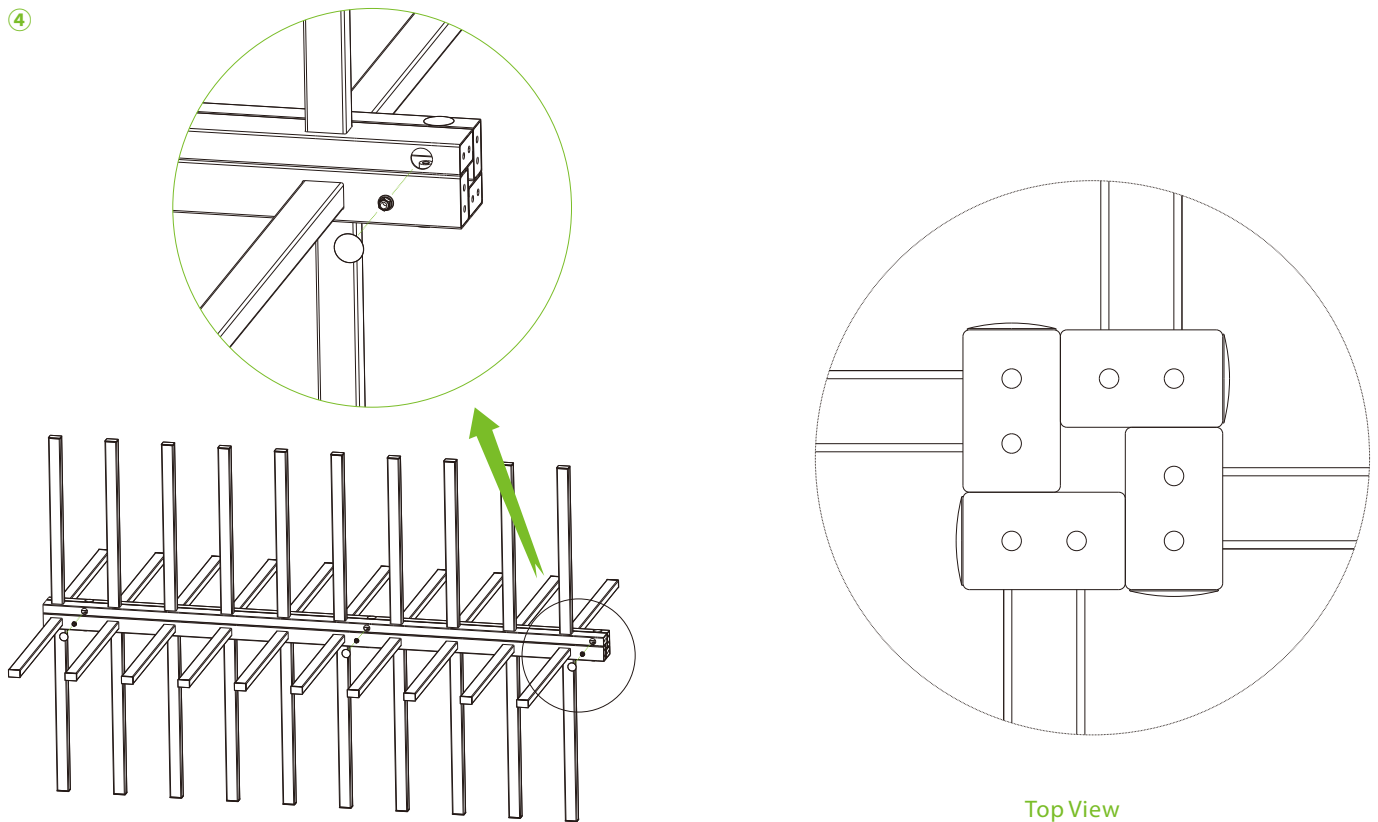
Locknut x12 Hole Plug x12



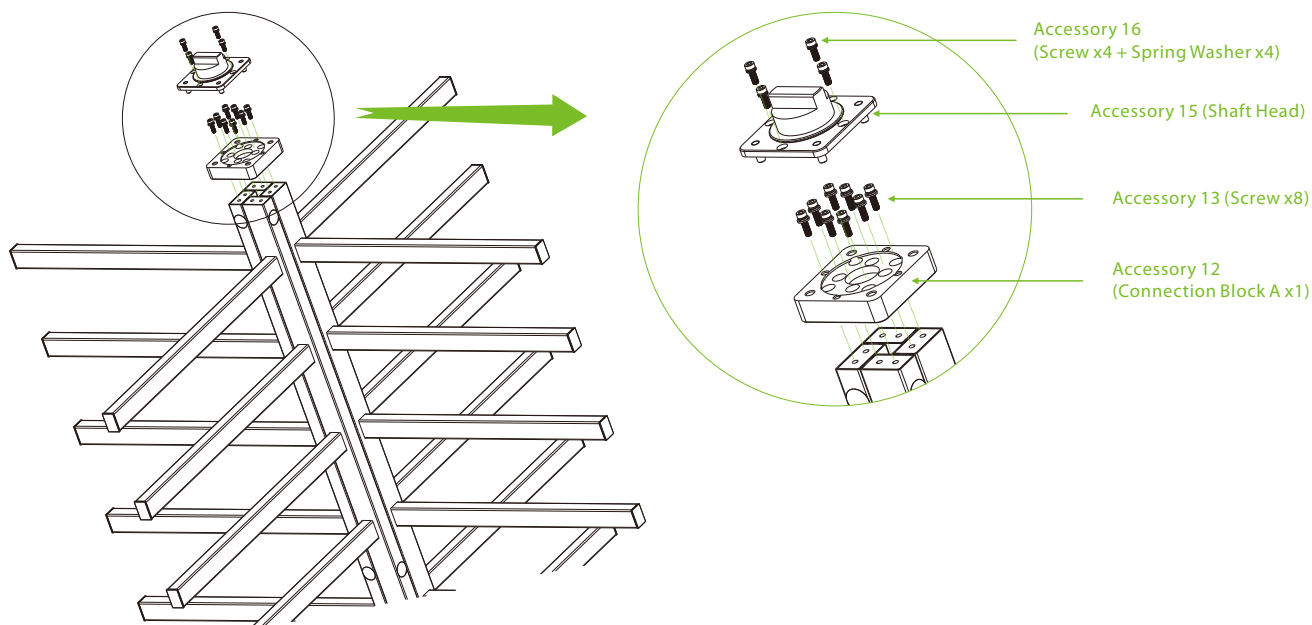
③



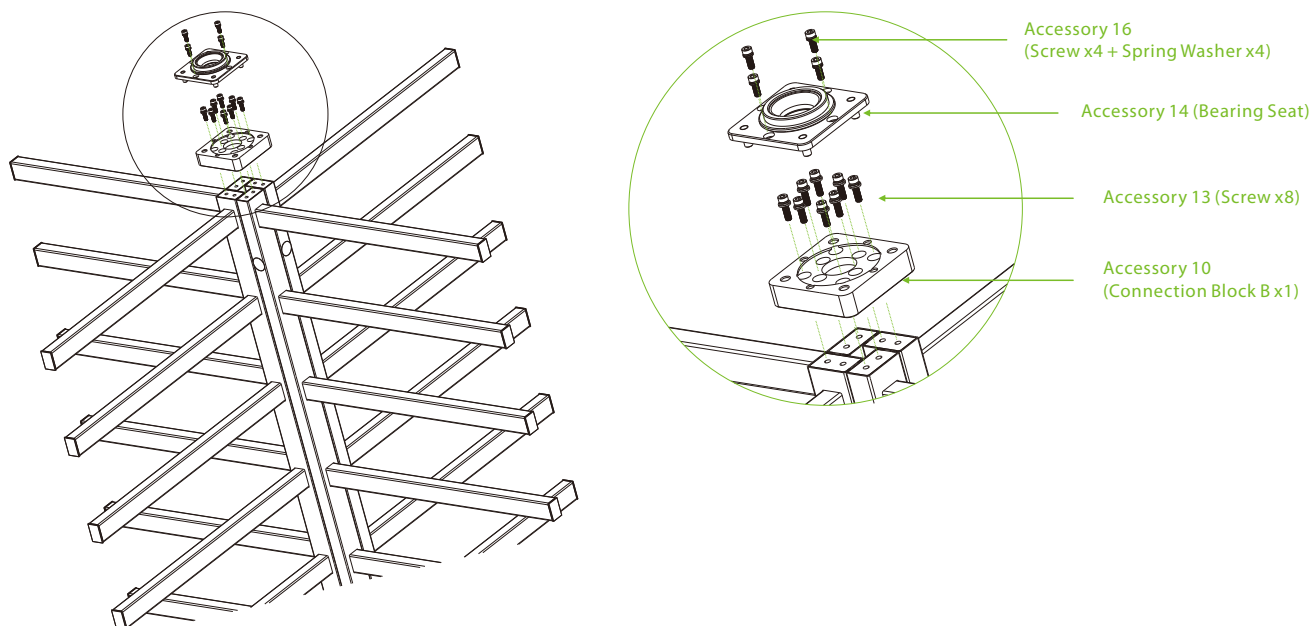
④

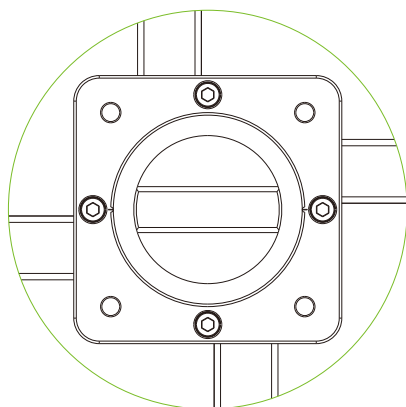


9. Install the **Shaft Head** and the **Connection Block A** on top of **Rotor Barriers**, as installation is shown below. **Note:** Pay attention to the direction.

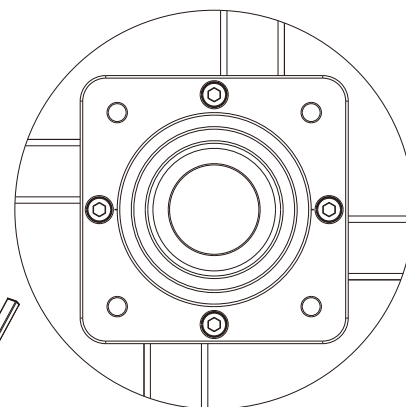


10. Install the **Bearing Seat** and the **Connection Block B** on bottom of **Rotor Barriers**, as installation is shown below. **Note:** Pay attention to the direction.

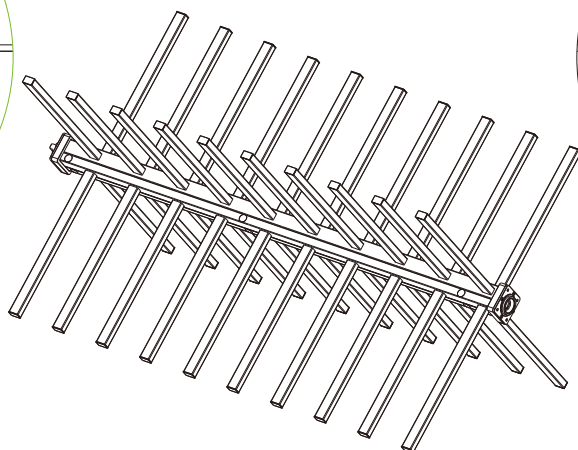




Top view of the top

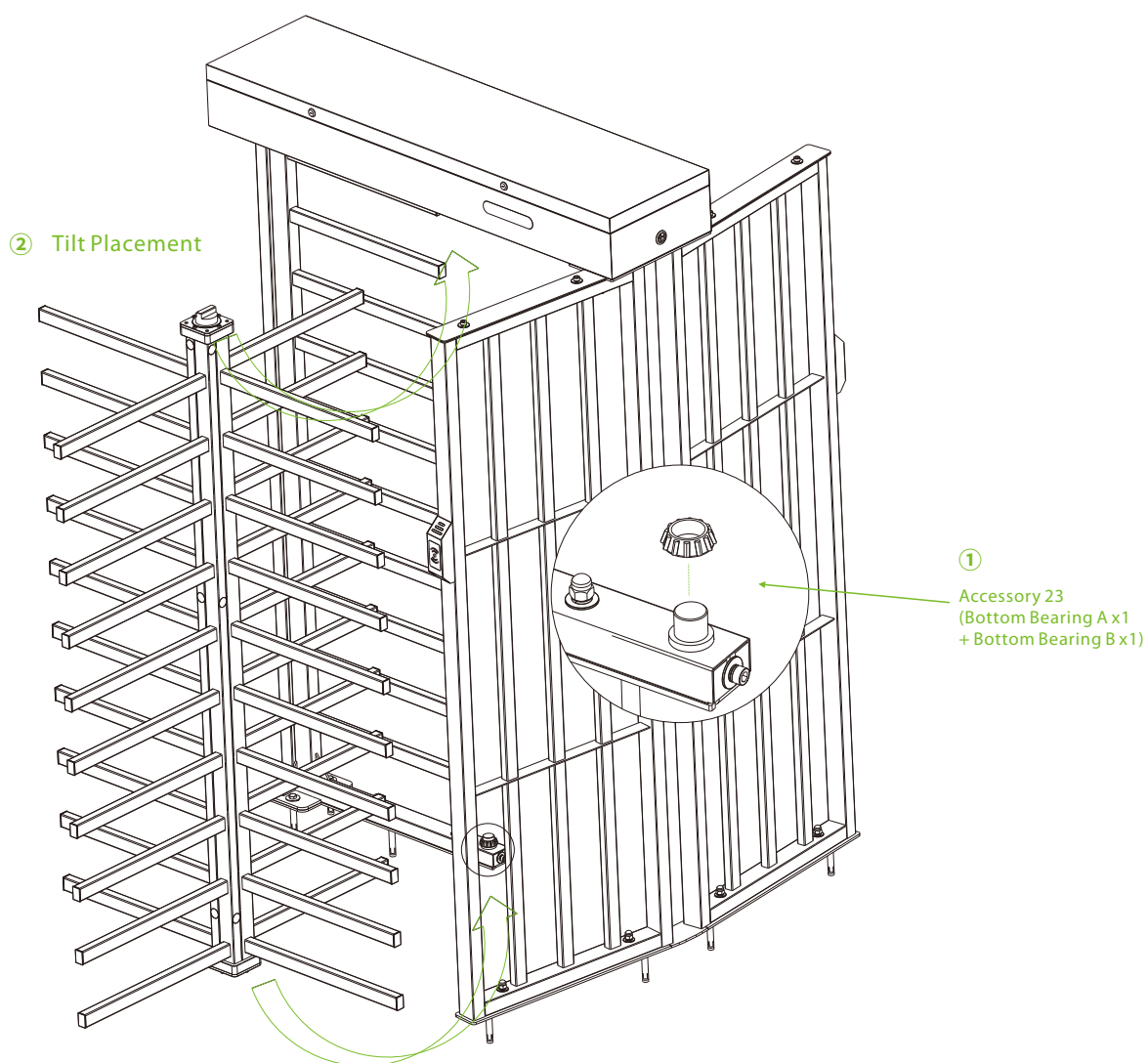


Top view of the bottom

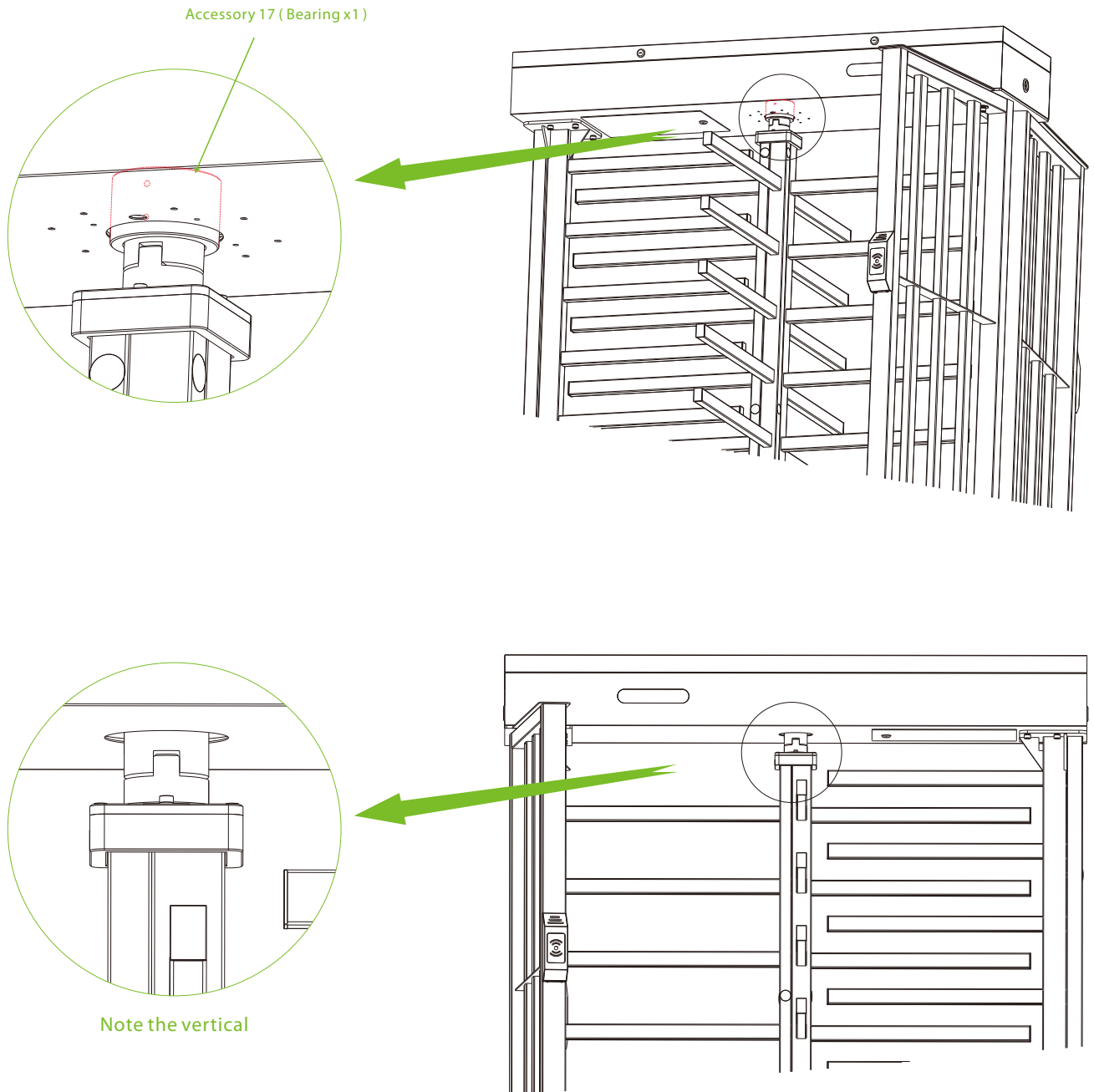


Complete Overall Rotor Barriers

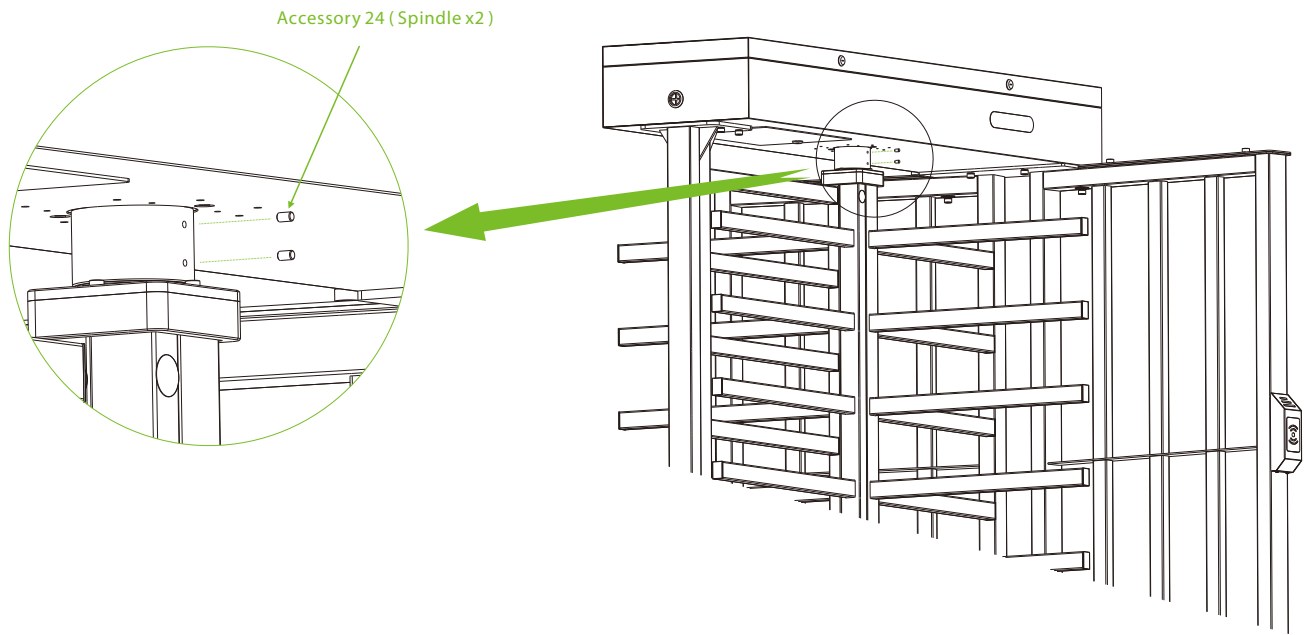
11. Place the **Accessory 23** to the **Stator Bar Frame**, then install **Complete Overall Rotor Barriers** on the **Stator Bar Frame**.



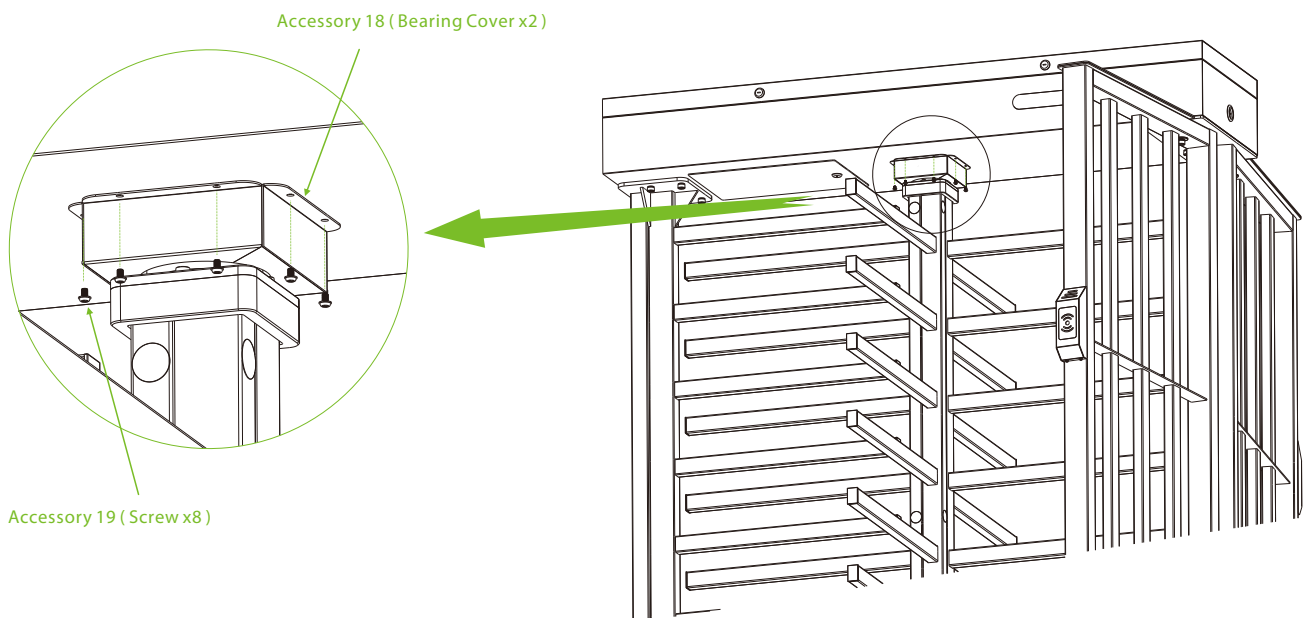
12. Before inserting the tops of the **Complete Overall Rotor Barriers** into the rotating parts on the bottom of the **Mainboard Controller Box**, it is necessary to install the **Accessory 17** on the rotating parts on the bottom of the **Mainboard Controller Box** (The bearing need to be pushed up), and then insert the **Complete Overall Rotor Barriers** correctly under the **Mainboard Controller Box**. **Note:** After putting in need to vertical.



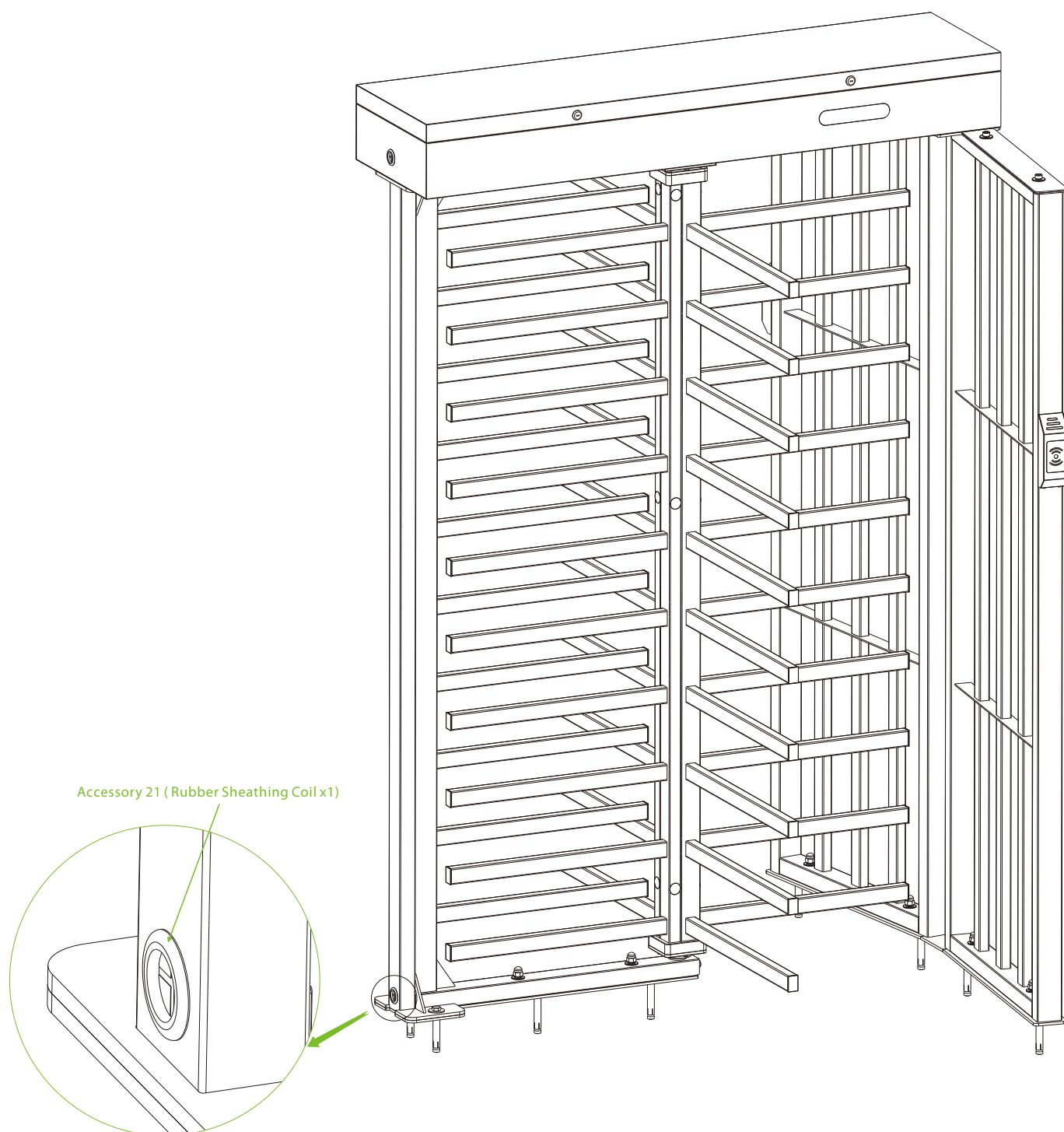
13. Use the **Accessory 24** to secure the **Complete Overall Rotor Barriers**.



14. Use the **Accessory 18** and the **Accessory 19** to secure **Complete Overall Rotor Barriers** and **Accessory 17** to the bottom of the **Mainboard Controller Box**.

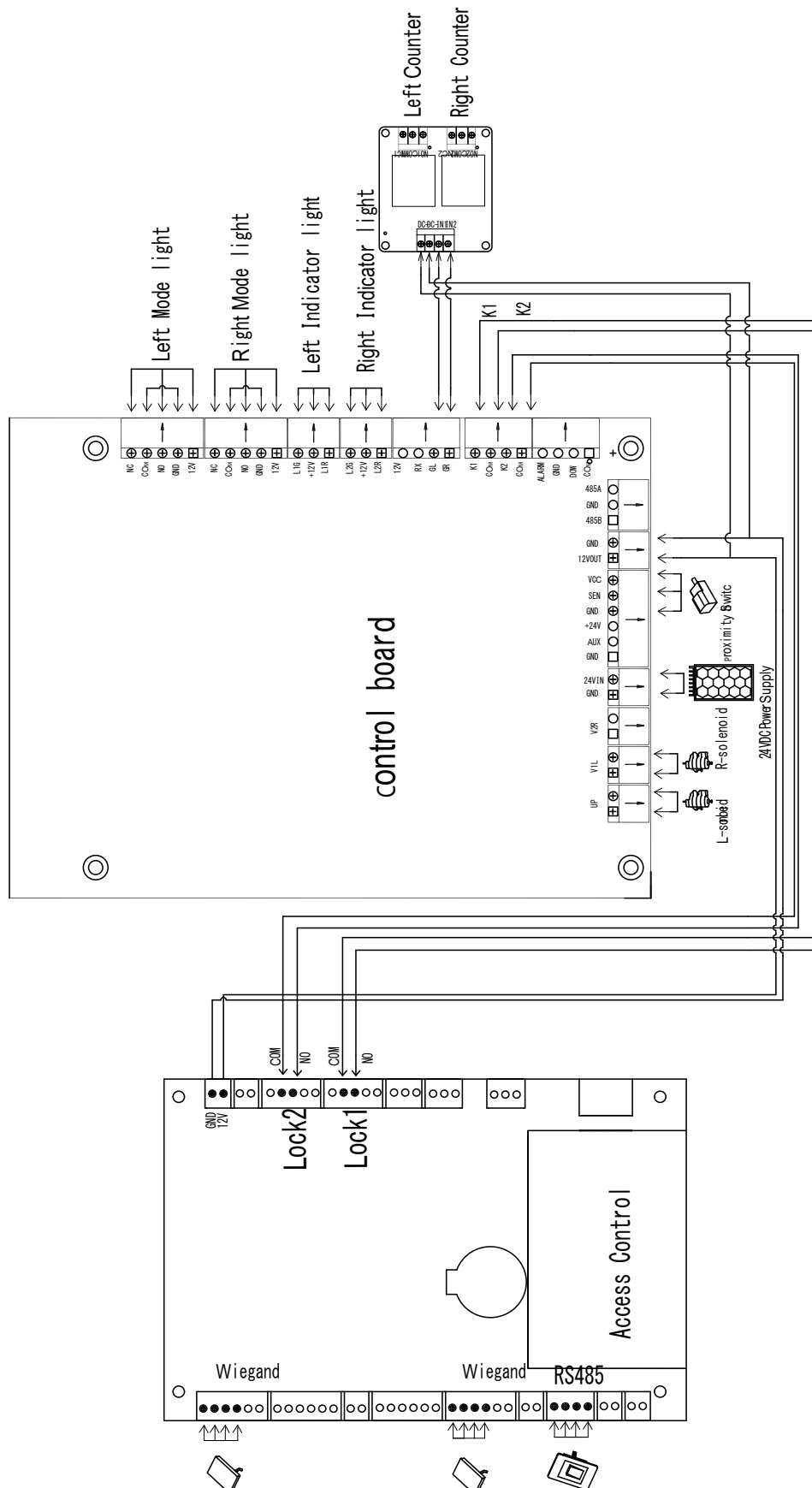


15. After the installation of FHT3300 series device is completed, inserted the **Rubber Sheathing Coil** into the corresponding positions.



5 Wiring Diagram

After installation of the device, open the mainbox controller to connect power wire and reader. Remove the reader and power cord from both sides of the column and connect to the corresponding interface.



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