1 STEP 1 Install Frame
STEP 1  ......  (1)
Install Frame

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1# M5x10
3# M5x10

360 mm
370 mm

① ②

① ②

① ②
STEP 1  
Install Frame
STEP 1

Install Frame
**STEP 1**

Install Frame

- 2# M5x20
- 9# M3x6

- CS0003
- B03-41 φ5x410mm
- A0009

![Frame Installation Diagram]

1. ① ②
2. ① ②
3. ① ②
4. ① ②
5. ① ②
6. ① ②
7. ① ②
8. ① ②
9. ① ②
10. ① ②

Install Frame with M5x20 screws.
**STEP 1 END**

**Install Frame**

1. Install Frame A
2. Use M3x6 screws

**STEP 1 END**
2. **STEP 2** Install Z Axis
STEP 2  ..... (1)
Install Z Axis

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5# M4x10

16# M3x6

7# M5x25

8# M4x6

3# M5x10

---

**Install Z Axis**

- **5# M4x10**
- **16# M3x6**
- **7# M5x25**
- **8# M4x6**
- **3# M5x10**

---

**Parts List**

- **CS0014**
- **B01-46 φ10x460mm**
- **SP-M-01**
- **A0011**
- **A0002**

---

**Equipment**

- **B01-46**
- **CS0014**
- **SP-M-01**
- **A0011**
- **A0002**
STEP 2  

Install Z Axis
STEP 2  ...... (2)
Install Z Axis

1. Install the Z Axis bracket.
2. Use M5x10 screws to secure the brackets.
3. Use M5x20 screws to ensure stability.

Note: The Z Axis should be installed at a 90° angle.
**STEP 2**

**Install Z Axis**

1. **Motor Direction:** Terminal (white part) faces outward

- **B**
- **B + C**
- **D**

**Components:**
- **M5x10**
- **M5x25**
- **9#~M4x6**
STEP 2 END

Install Z Axis

STEP 2 END

3#~ M5x10
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STEP 3 Install Φ5 Axis
STEP 3

Install ∅5 Axis
Install Φ5 Axis

Fit with 2 sides
Direction of Installation
Same as pic

Customize Length
Around 1CM

Install Φ5 Axis
STEP 3

Install Φ5 Axis
STEP 3 END
STEP 4 Install Slide Block
**STEP 4**  ..... (1)
Install Slide Block (A)
STEP 4  ..... (1)
Install Slide Block (A)
Install Slide Block (B)
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**STEP 4**

Install Slide Block (B)

**Direction of Installation**

*Same as pic*

1. **9 #~ M3x6**
2. **11 #~ M3x10**
3. **12 #~ M3x6**
4. **12 #~ M3x6**
5. **Tighten Screws**
6. **4 #~ M4x10**
7. **10 #~ M3x8**

(B)
STEP 4 ..... (3)
Install Slide Block (C)
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STEP 4 ...... (3)
Install Slide Block (C)
According to the length of the spring, which shows above pic, please check Type 1 or Type 2.

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STEP 4 END
STEP 5 Install X.Y. Axis
STEP 5

Install X.Y. Axis

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2# M5x20

9# M3x6

B02-41 φ8x410mm

B02-37 φ8x370mm

C

B

A
STEP 5

Install X.Y. Axis

Direction of Installation
Same as pic

Three parts are in the same side

Lock Axis

9#-M3x6

ф8x370mm ф8x370mm φ8x370mm
Make sure that the axis 8x410mm is vertical when it passes through the fixed block and avoid falling of steel ball.
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STEP 6 Install Belt
Adjust the belt so that both sync wheels can turn.
① Loosen the screws on the timing wheel B, pull the belt back and forth to drive two simultaneous wheels.
② Make sure the A and B synchronizing wheels are in a parallel position.
③ Tighten the screw fixed position of the timing wheel B.
Adjust the belt so that both sync wheels can turn.
7  STEP 7
Install Limit Switch Contact Parts
**STEP 7**

**Install Limit Switch Contact Parts**

1. Z axis back to the starting point of the trip. Figure 2 is the correct.

- The limit switch A0012A does **not touch** the limit switch.
- The limit switch A0012A **touch** the limit switch.
STEP 7 ⋯⋯ (2)
Install Limit Switch Contact Parts

Limit Switch
SP-E-S001

A0012D

3# ~M5x10

11# ~M3x10

Direction of Installation
Same as pic

X axis back to the starting point of the trip.
Figure 2 is the correct.

The limit switch parts does not touch the limit switch.

The limit switch parts touch the limit switch.

STEP 7 END
The STEP 8 (1) (2) (3) (4), Please refer to the next page.
STEP 8 ..... (1)
Install Power Supply

Please select voltage

110/220V is selected by switch
Before power on please check input voltage avoiding damage.
**Step 8**

Install Touch Screen

**Direction of Installation**

Same as pic

1. A0003B
2. A0014
3. M4x10 (4# Screw)
4. M3x15 (17# Screw)
5. M4x10

**Images**

1. Component A0003B with M4x10 screws.
2. Component A0014 with M4x10 screws.
3. M3x15 screws for installation.
4. Another angle view showing M3x15 screws.
5. Final view with all components in place.
**STEP 8**

**... (2)**

**Install Touch Screen**

1. Touch Screen E-DS001
   - W0007
   - M3x10 (11# Screw)
   - A0003A

2. **Direction of Installation**
   - Same as pic

3. M3x10

4. Touch Screen
   - W0007

5. Lock
   - W0007

6. M4x10 (4# Screw)
Make sure the metal side of the Flat Cable contact circuit. The installation direction is the same as the picture.
STEP 8

Install Cap Type Module

Cap Type Module E-DC003 (2 Types)

OR

1. A0015
2. 9#~M5x10
3. 19#~M3x10

Direction of Installation
Same as pic

M5x10, M3x10
STEP 8

Install Mainboard

- A0014
- A0004A
- A0004B
- A0004A
- E-F24A
- M4x10
- 15#~M4x45
- 17#~M3x10
- M3x15
- 17#~M3x8
- 3#~M5x10
- M4x10
**Direction of Installation**
Same as pic

**Install Mainboard**

1. Same as pic
2. M3x15
3. Same as pic
4. M3x15
5. M3x15
6. M3x15
STEP 8

Arrangement of wire

The drawings to refer to the next page.

Direction of Installation
Same as pic

Install Mainboard
Please ensure that the printer can be printed properly, and then you can start finishing the wire, avoiding interference.

STEP 8 END
STEP 9 Debugging Printer
1. Confirm the system information

   ![Diagram](image)

   **Software V 1.1.7(beta6)**

   **Yes** → **OK Next Step**

   **No** → **Install System**

2. Set the printer type, is XYZ

   ![Diagram](image)
3. Test the Connection

**① Maximum Distance**

- Please refer to the below: ①/②/③
- Default value, or you can modify according to your own situation.

- Recommended Value. You can modify according to your own situation.
② X.Y.Z axis Motor Move.

X.Y.Z Moving Direction is SAME as picture

Yes

OK Next Step

No

Correct The Rotation Direction Of The Motors

*Correct The Rotation Direction Of The Motors.
③ Limit Switch

Limit Switch connection is SAME as picture C and NO.

Location of X, Y, Z Limit Switch is SAME as picture

When XYZ moves into the limit switch, it will trigger limit switch, trigger success, XYZ axis homing success.

Check Limit Switch

Check XYZ Origin

(A, B) As Below:
**A. Limit Switch Set Origin Position**

- Structure
- FDM
- XYZ

X.Y.Z Origin Position is **SAME** as picture

**B. Limit Switch Endstops Trigger Setting**

- Structure
- FDM
- XYZ

For example:

- X Limit Switch
- X-Max

Turn Green

**Debugging Printer**

**STEP 9 END**
STEP 10

Install Automatic Leveling Module
This is a debugging component which is must be unloaded when you start printing.
Adjust the print platform balance

I. Leveling

Please click and when the Z axis moving, please check the distance between nozzle to print.

Move the Z axis height reaches the highest point, at a distance of about 0.3 m with print head. Adjust the screws on the hot bed to ensure that the printing is acceptable.

Adjust Height Of Platform

II. Auto Leveling

Set parameters and start the automatic leveling. Reach to the height with the perfect smooth.

STEP 10 END

Input Numbers
Recommended: 4 ~ 6
Click on the "√" done.
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11 STEP 11
Install Print Material Detection
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**STEP 11**
Install Print Material Detection

**Direction of Installation**
Same as pic

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**Print Material Detection CS0020**

**Fixed Glass**

**Printing Material Support**
If heating in error, please check whether the sensor is inserted wrong or is damaged.

This is Recommended Values. You can modify according to your own situation.

Attention to the data setting on slicing software.