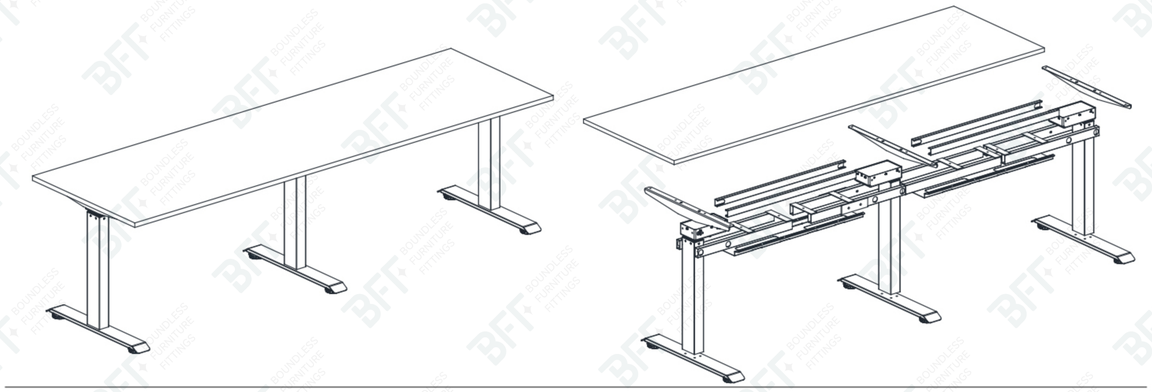
Electric Three Motor Adjustable Desk Instruction Guide



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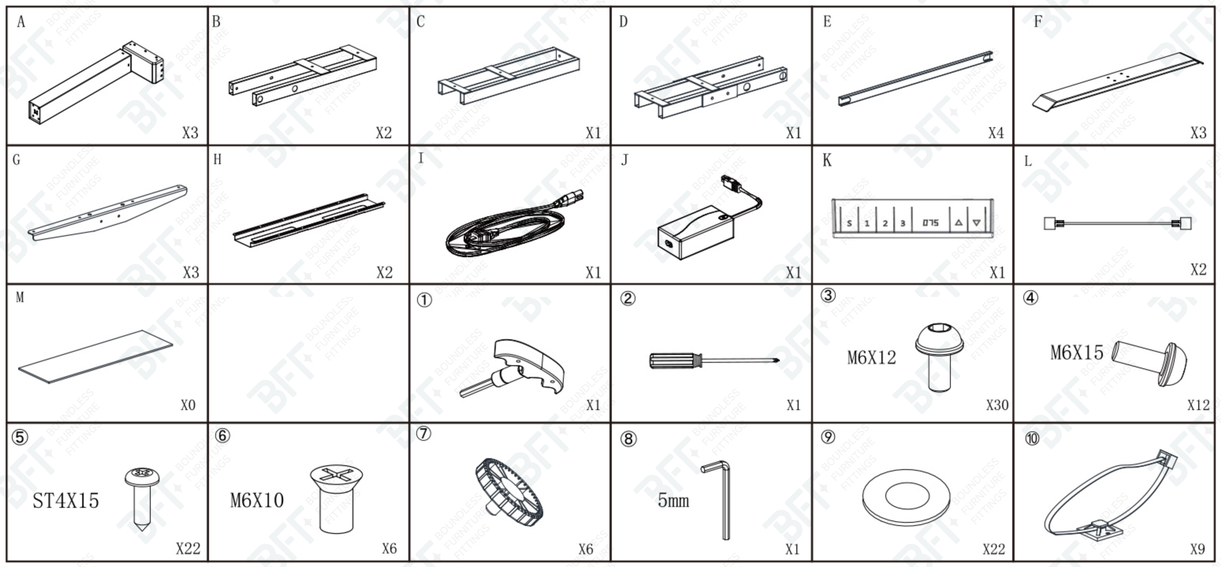

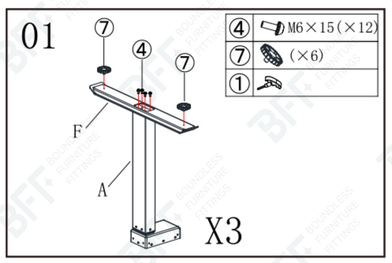

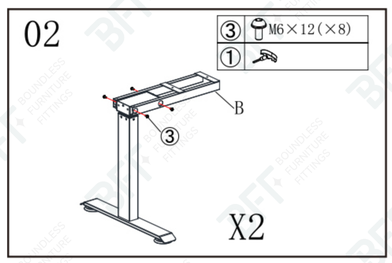

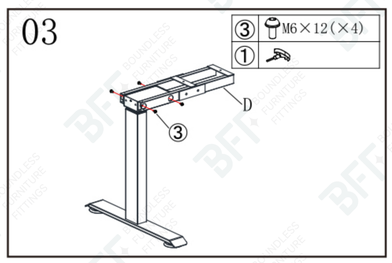

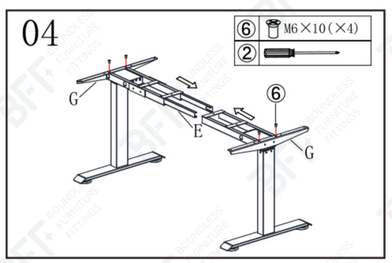

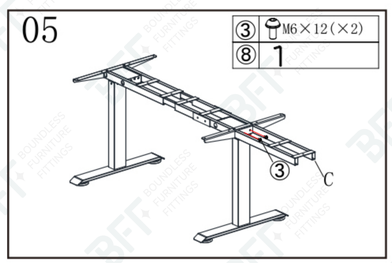

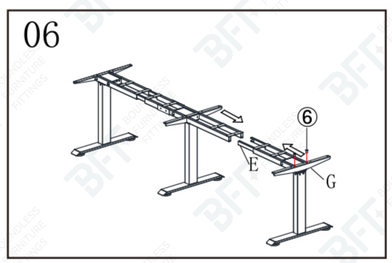

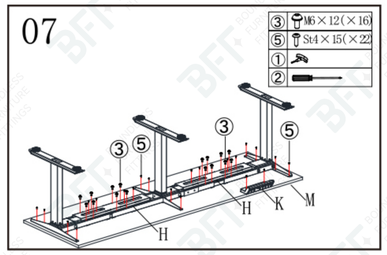

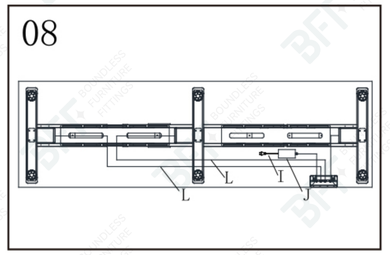

Operating Instructions for Lift Table Hand Controller

I. Raising/Lowering the Table

- Press and hold ▲ to raise the table. The height value (displayed on the

II. Memory Height Recall and Setting

1. WN18H45 Touch Hand Controller

- Recall Memory Height:
  - In the height display interface, press “1” to show "H1". Release the key, and the table moves to the saved sitting height.
  - Press “2” to show "2". Release the key, and the table moves to the saved standing height.

- Set Memory Height:
  - Short press the Ⓢ key to enter memory mode (height value flashes).
    - Press “1” to save the current height as sitting height (displays "1").
    - Press “2”to save the current height as standing height (displays "2").

2. Other Hand Controller Models

- Recall Memory Height:
  - In the height display interface, press a number key (① ② ③) to move the table to the corresponding saved height.
- Set Memory Height:
- Short press the
  - Short press the Ⓢ key to enter memory mode (height value flashes).
  - Press a number key (① ② ③) to save the current height to the corresponding memory position.
  - If no number key is pressed within 6 seconds, memory mode exits automatically.

III. Screen Wake-Up

1. WN18H45 Touch Hand Controller

- When the screen is off (prevents accidental touches), press and hold the Ⓢ key to wake the display.

2. Other Hand Controller Models

- When the screen is off, press any key to wake the display.

IV. Parameter Settings

1. Press and hold the Ⓢ key* for 3 seconds until the display shows "S--" (flashing).
2. Press the Ⓢ key again to enter setup mode. The following parameters can be configured:

- | Unit (Un): Height display unit (SI/inches).
- | Brightness (br): Screen brightness level.
- | Beeper (bEE): Buzzer on/off.
- | Collision Force (CF): Collision sensitivity level.
- | Slope (SLP): Tilt protection sensitivity level.
- | Set Height (SH): Minimum/maximum height limits.
- | Serial Number (SN): Product serial number display.

- **The function of each keys at setup mode is as follows,**

Ⓢ : Return key — returns to the previous menu level.

▲ ▼ : Toggle keys — switch between options.

Ⓢ : Confirm key — confirms entry into the next sub-menu or confirms the selection of the current parameter

If no key is pressed within 20 seconds, the setup mode will be exited automatically.

Main Menu Interface	Submenu Interface	Description	
UN unit	**SI** si metric	After entering, the previously set height unit value is displayed. Use the ▲ and ▼ keys to toggle between the options (SI, In). After selecting, press the Ⓢ key to save the current option value. The current option will remain displayed for 2 seconds before exiting the setup mode.	
	In inch		
br brightness	**L** low	After entering, the previously set handle brightness is displayed. Use the ▲ and ▼ keys to toggle between the options (L, N, H). After selecting, press the Ⓢ key to save the current option value. The current option will remain displayed for 2 seconds before exiting the setup mode.	
	N Normal		
	H High		
bEEbeep	**OFF** off	After entering, the previously set buzzer switch status is displayed. Use the ▲ and ▼ keys to toggle between the options (Off, On). After selecting, press the Ⓢ key to save the current option value. The current option will remain displayed for 2 seconds before exiting the setup mode.	
	On On		
CF Collision Force	**OFF** off	After entering, the previously set collision sensitivity level is displayed. Use the ▲ and ▼ keys to toggle between the options (Off, L, N, H). After selecting, press the Ⓢ key to save the current option value. The current option will remain displayed for 2 seconds before exiting the setup mode.	
	L Light		
	N Normal		
	H Heavy		
SLP Slope	**OFF** off	After entering, the previously set tilt protection level is displayed. Use the ▲ and ▼ keys to toggle between the options (Off, L, N, H). After selecting, press the Ⓢ key to save the current option value. The current option will remain displayed for 2 seconds before exiting the setup mode.	
	L Light		
	N Normal		
	H Heavy		
SH set height	**O** original Original height ①②	After entering, use the ▲ and ▼ keys to toggle between the options (Original, Low, High). After selecting, press the Ⓢ key to enter the parameter settings for the corresponding function.	After entering, the previously set initial height is displayed. Press the ▲ and ▼ keys to adjust, and press the Ⓢ key to confirm, save the current value, and exit the setup mode.
	L low Mininum restrict height ①③		After entering, the previously set minimum height limit is displayed. Press the ▲ and ▼ keys to adjust, and press the Ⓢ key to confirm, save the current value, and exit the setup mode.
	H High Maximum restricted height ①③		After entering, the previously set minimum height limit is displayed. Press the ▲ and ▼ keys to adjust, and press the key to confirm, save the current value, and exit the setup mode.

Main Menu Interface	Submenu Interface	Description
SN Serial Number		After entering, the product's user ID and production batch number will alternate on the display. The system will automatically exit after 20 seconds.
dE Demo Demo Mode After entering, the following is displayed: **PH** (PassWord) Numeric keys must be used to enter the password before proceeding (Password: 11111)④	OFF off	After entering, the previously set gear is displayed (if entering for the first time, "OFF" will be shown). Use the ▲ and ▼ keys to toggle between the options (OFF, S1, S2, S3, S4). If "OFF" is selected and the Ⓢ key is pressed, the demo mode will be exited (the height value will be displayed). If any other gear (S1, S2, S3, S4) is selected, pressing the Ⓢ key will save the current option and switch to demo mode (the number of automatic cycles in demo mode will be displayed). In demo mode, press the ▲ and ▼ key to start or stop the fatigue test.
	SI 5min on, 15 min off	
	S2 1 cycle /4 min	
	S3 1 cycle /6 min	
	S4 1 cycle/10 min	

Notes:
① Adjustment resolution: 1 cm or 0.5 inch.
② Initial height refers to the height displayed after the stroke reset is completed. The adjustable range for the initial height is ±20 cm or ±8 inch.
③ The maximum height limit must be at least 20 cm or 8 inch greater than the minimum height limit.

V. Protection and Alarms

1. Obstruction Protection: Displays "E02".
   - Triggered during motion if the table vibrates excessively, collides with an object, or tilts. The system will alarm and stop immediately.
   - To resolve: Reverse movement by a set distance to automatically clear the alarm, or press any key during reverse movement to stop and clear.
   - Ensure the table does not vibrate significantly, collide with obstacles, or tilt during operation.
2. Overheat Protection: Displays "Hot".
   - Activated after prolonged continuous operation.
   - Resolution: Power off and wait at least 18 minutes before restarting.
3. Motor Abnormal Protection: Displays "E10".
   - Resolution: Power off, check and secure the connection between the motor and controller, then restart.
4. Overload Protection: Displays "E20".
   - If triggered during upward movement: Remove some weight from the table and retry.
   - If triggered during downward movement: Power off, remove some weight, then restart.
5. Undervoltage Protection: Displays "E31".
   - Resolution: Power off, check and secure the power supply connection to the controller, then restart.
6. Overvoltage Protection: Displays "E32".
   - Resolution: Power off, check and secure the power supply connection to the controller, then restart.
7. Loss of Synchronization Protection①: Displays "E60".
   - Resolution: Power off, ensure all channel motors are identical and securely connected to the controller, then restart.

VI. Stroke Reset

1. Single Motor Stroke Reset:
   - Under "E10" or "E20" alarm state, or after descending to the lowest height, press and hold the ▼ key for 3 seconds until "ES (Reset)" is displayed. Release the key.
   - The table will descend fully, rebound to a certain height, and display the lowest height upon completion.

2. Multi-Motor Stroke Reset:
   - Under "E10", "E20", or "E60" alarm state, or after descending to the lowest height, press and hold the ▼ key for 3 seconds until "ES (Reset)" is displayed. Release the key.
   - The table will descend fully, rebound to a certain height, and display the lowest height upon completion.