

TOSO

Roller Blind

Ti-1029 B/S

No.R-140039

First edition

Instruction Manual

Thank you for purchasing TOSO products. To ensure safe use of this product, please read the following thoroughly and keep this manual stored.

Guide for Distributors and Installation Contractors

This manual contains information for a user to safely operate this product.
Please provide this manual to a customer.

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Caution

* This manual contains cautions and instructions for safe use of the product.
Please read it carefully before using to ensure appropriate use.

- This document illustrates the dangers of using this product without taking necessary precautions. Please refer to the symbols below for different types of safety points.



Warning

Illustrates that if this product is misused, there are dangers of serious injuries or possible fatal accidents.



Caution

Illustrates that if this product is misused, there are dangers of casualties or possible physical damage of the product.

- This document illustrates safety points to be followed using the symbols below.



Illustrates specific actions which are prohibited.



Illustrates specific guidelines which must be followed.

- Precautions upon installing the product (Please read before installation.)



Warning

- ❗ Check the foundation base and strength of the material before installing this product. If not installed properly to the foundation base, there are dangers of it falling.
- ❗ Install this product as instructed with the necessary quantity of brackets. Otherwise the product may fall.



Caution

- ⊘ This product is intended for indoor use. Please do not use it for outdoor purposes.
- ⊘ Locations subject to high temperatures and high humidity, or areas where water may leak, should be avoided.
- ❗ Make sure to install this product horizontally.
- ⊘ Do not grab the set bar to carry or lift this product. It may cause damage to the product.

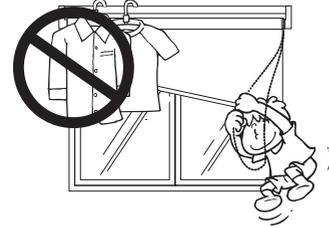


- Safety in Use (Please read thoroughly.)



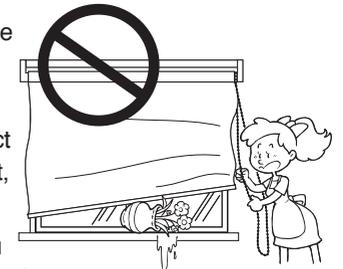
Warning

- ⊘ Please do not let children play with the cord or chain.
- ⊘ Please do not wrap the cord or chain around you, or allow it to get caught on something, because this may result in an accident.
- ❗ When not operating the product, tie the cord and chain at a height that is out of reach of small children.
- ⊘ Please do not hang from or pull on this product. This may damage the product or cause it to fall down.
- ⊘ Please do not operate the product abruptly or with unreasonable force. This may cause the product to fall down or break.



Caution

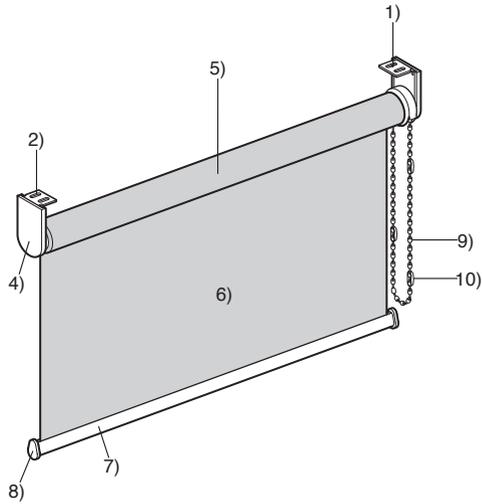
- ⊘ When there is a strong wind, either close the window or have the Screen completely rolled up.
- ⊘ Please do not dismantle the mechanical assembly nor lubricate the moving parts of this product. This will ensure physical damage or malfunction of the product.
- ⊘ Please do not use it by open flames.
- ⊘ Be sure to grasp the pull cord or the ball chain to operate the blind. Do not operate it by grasping the screen, roller pipe or weight bar.
- ⊘ Do not place an object that is liable to break or an object that is likely to interfere with the operation of the product, inside the range of the opening and closing operation.
- ❗ Use the product within the specified height range. If you use it outside this range, the screen may fall down or break.



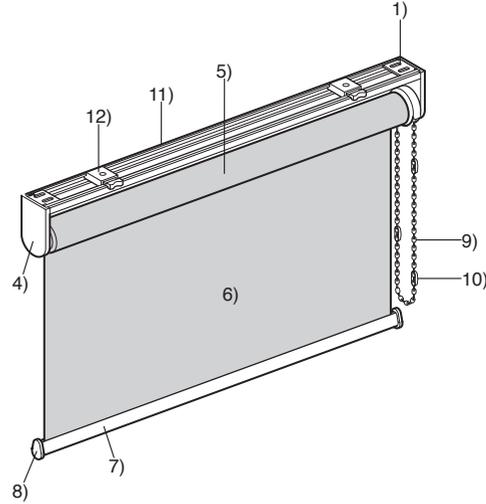
Product View and Part Names

Ti-1029 B (Ball Chain Drive System)

<Side Bracket Type>



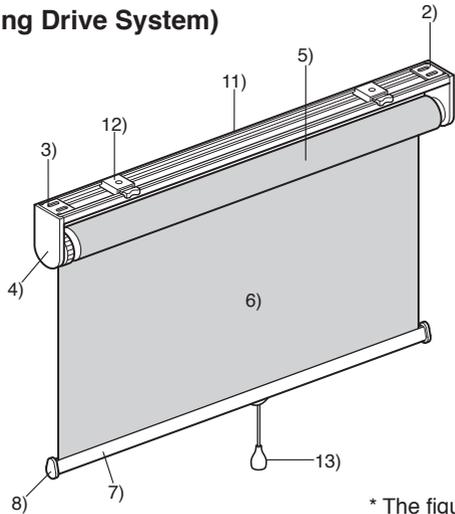
<Set Bar Type>



* The figure shows a right operation.

Ti-1029 S (Spring Drive System)

<Set Bar Type>

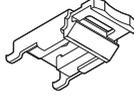


* The figure shows a ceiling-attachment type.

Component

1) Chain Side Holder Plate	5) Roller Pipe	9) Ball Chain	13) Pull Set
2) End Side Holder	6) Screen	10) Ball Chain Connector	
3) Spring Side Holder	7) Weight Bar	11) Set Bar	
4) Side Holder Cover	8) Weight Bar Cap	12) Bracket (For Set Bar Type)	

Accessories

Component	Bracket (For Set Bar type) *1	Winder *2
	Product Width [mm]	
-1300	2 pieces	1 winder
1310-2000	3 pieces	

*1 Provided only with Set Bar Type.

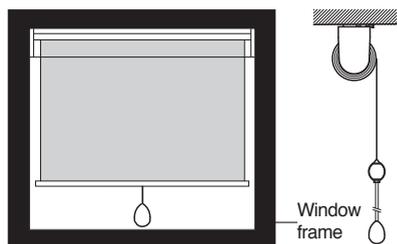
*2 Winder is optional tools for only Ti-1029S. Please keep a Winder stored with this manual for future use.

Installation and Detaching

Installation Type

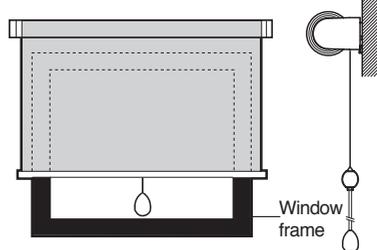
<Ceiling Attachment>

Install inside of a window frame.



<Wall Attachment>

Install on a wall or outside of a window frame.



Installation and Detaching

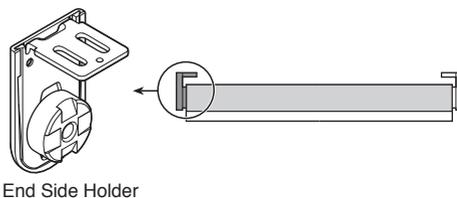
<Side Bracket Type (Ti-1029B only)>

(1) Mark the bracket (Side Holder) installation position so that the distance between the brackets (from outer end to outer end) will be the same as the product width which you ordered.



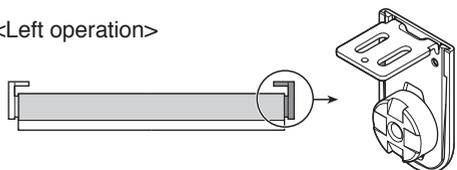
- * The "product width" includes Side Holder Cover.
- * The right operation type of Ti-1029-B should be set up as End Side Holder are positioned on the left-hand side. In the case of the left operation type, it should be positioned on the right-hand side.

<Right operation>



End Side Holder

<Left operation>

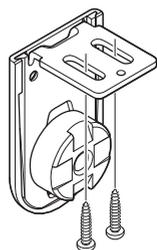


End Side Holder

(2) Install the brackets using the fixing screws.

Caution

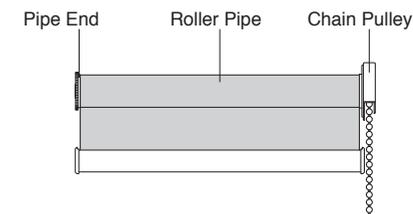
- ! Use fixing screws that are suitable for the strength and the material of the wall or window frame to which the brackets are to be fixed. Be sure to install each side holder using at least two fixing screws.



(3) Install the screen.

- * Shown on the right is the right operation type.

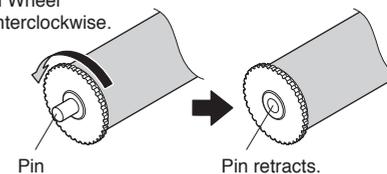
1) Make sure that Chain Pulley and Pipe End on the opposite side are fully inserted into Roller Pipe.



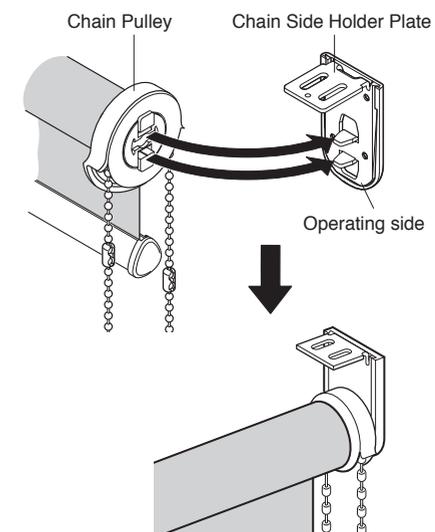
- * Check that the pin on Pipe End is in the retracted position. If the pin sticks out, turn the wheel of Pipe End counterclockwise then the pin retracts. Wheel should be turned until it stops and cannot be turned any further.

<Pipe End>

Turn Wheel counterclockwise.



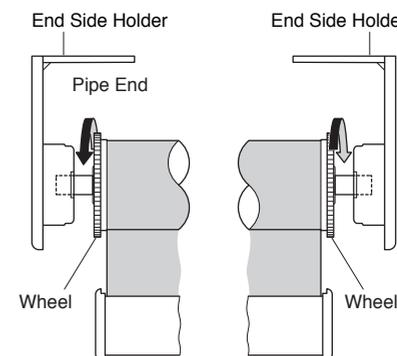
2) With the screen drawn out about 5 to 10 cm, insert Chain Pulley into Chain Side Holder Plate as shown.



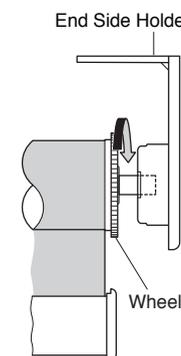
3) Put Pipe End on End Side Holder (on the opposite side), as Chain Pulley not to fall out from Chain Side Holder Plate.

Align the hole on End Side Holder with the pin on Pipe End, and turn the wheel of Pipe End clockwise so that the pin protrudes and engages with End Side Holder.

<Right Operation>



<Left Operation>

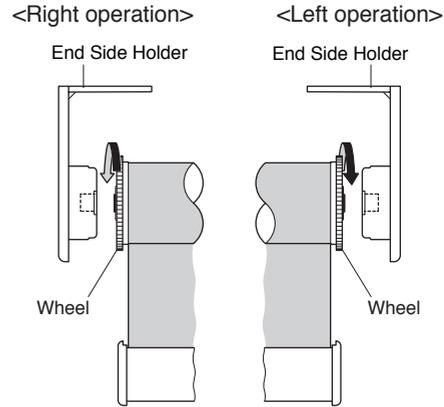


- * During the above steps, support the roller pipe with the other hand so that it will not fall down.

(4) Check that all the components are fully secured. Cycle the blind up and down a few times to check that it works correctly.

(5) How to remove the screen

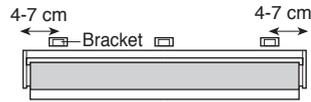
- 1) Pull down the screen about 5 to 10 cm and stop it in that position.
- 2) Turn Wheel on Pipe End counterclockwise until it stops and cannot be turned any further.
- * Support Roller Pipe with the other hand while turning heel, or Roller Pipe will fall.



- 3) Separate the screen assembly from Chain Pulley side firstly; support the screen assembly with both hands so that it will not fall. Work slowly and carefully.

<Set Bar Type>

- (1) The optimum mounting position for the brackets is between about 4 and 7 cm inward of both ends. If three brackets are used, install them at equal intervals.

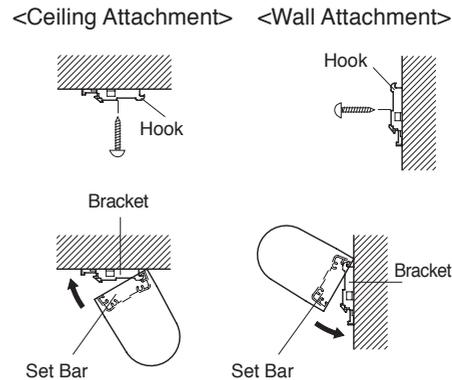


Caution

Use mounting screws that are suitable for the strength and the material of the wall or window frame to which the brackets are to be fixed.

- (2) Install Brackets on the window frame or wall.

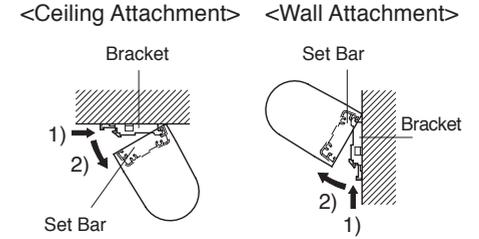
- (3) Attach Set Bar to the temporary fixing hook, then push it to fix it in place.



- (4) Finally, open and close the screen two or three times, and check the operation and speed at which the screen ascends and descends.

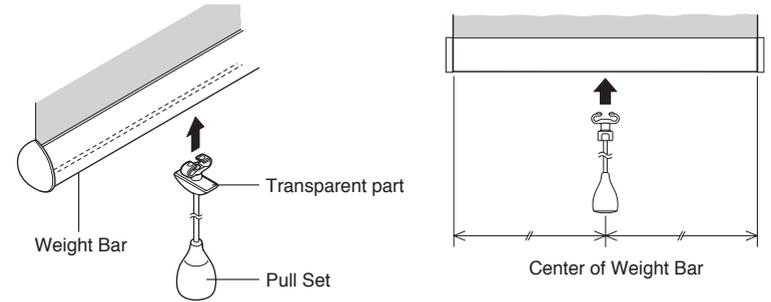
- (5) To remove Set Bar, push the tab on Bracket 1), and while holding it pressed, pull the set bar toward you 2).

* Before removing the screen, refer to P.8 (5) How to remove the screen.

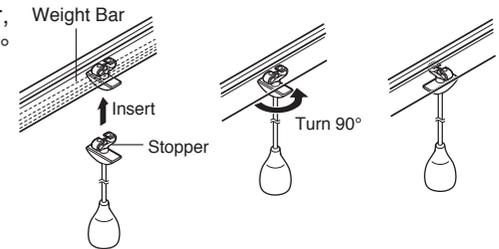


■ Installation and Detaching of Pull Set (Ti-1029 S only)

- (1) Fit Pull Set to the groove on the bottom of Weight Bar.



- (2) Position Pull Set at the center of Weight Bar, and turn the transparent part on Pull Set 90° to lock Pull Set in position.



- (3) To remove Pull Ball Set, carry out the installation procedure in reverse ((2)→(1)).

How to Operate

<Ti-1029 B>

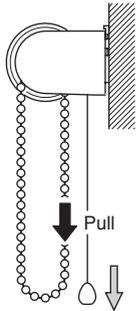


Caution

- ❗ Make sure to pull Ball Chain slowly when using the product. If Ball Chain is pulled quickly, the product may not roll up properly.
- ⚠ Please do not hang from the screen or the ball chain. The product may fall down.

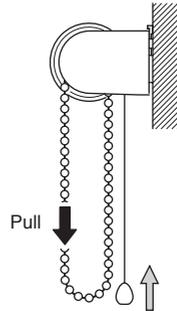
■ How to close a screen

- Pull the back side of Ball Chain downward.



■ How to open a screen

- Pull the front side of Ball Chain downward.



<Ti-1029 S>

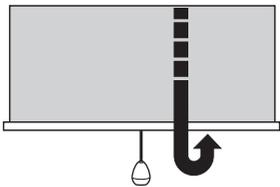


Caution

- ❗ To operate the blind, grasp the pull ball with your hand, and move it in the vertical direction. Be sure to set the pull ball at the center of Weight Bar. If the pull ball does not coincide with the center, or if you move it obliquely, trouble is likely to occur.

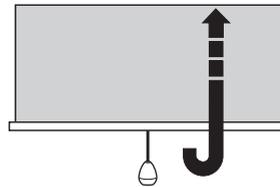
■ How to close a screen

- By pulling the pull ball directly downward and then releasing it, the screen will stop at that position.

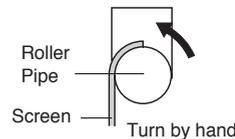


■ How to open a screen

- By pulling down the pull ball a distance of about 5 to 6 cm and then releasing it, the screen will rise.



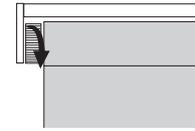
- * If you pull down the screen hard, for example, the screen is likely to overrun, and may fail to rise again. In such a case, turning Roller Pipe slightly by hand will enable the screen to be rolled up.
- * When the room temperature is low, such as during winter, the speed at which the screen rises may slow down. Please note, however, that this does not mean that the blind is broken.



How to Adjust the Screen Lift Speed

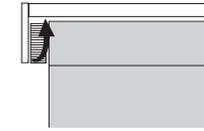
How to use the speed adjustment dial

- To make the screen rise more quickly



Stop the screen at the halfway up (or down) position and turn the dial as if rolling it toward you.

- To make the screen rise more slowly

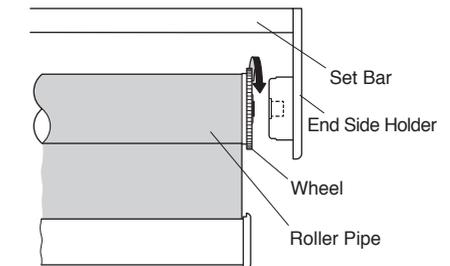
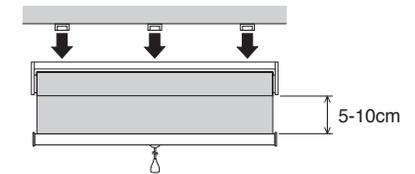


Stop the screen at the halfway up (or down) position and turn the dial as if rolling it away from you.

How to adjust the screen lift speed using a winder (optional)

- * Spring adjustment is possible using the optional winder (Ti-1029S only).

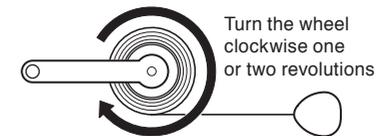
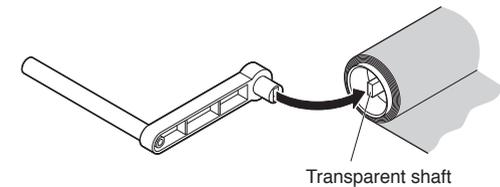
- (1) Pull down the screen about 5 to 10 cm, and stop it in that position.
- (2) Separate the screen assembly (with the set bar) from the brackets.
- (3) Once the screen assembly is removed from the brackets, turn the wheel on the right-hand side counterclockwise until it stops. Remove Roller Pipe from Set Bar.



- * Support Roller Pipe with the other hand while turning the wheel to prevent Roller Pipe from falling.

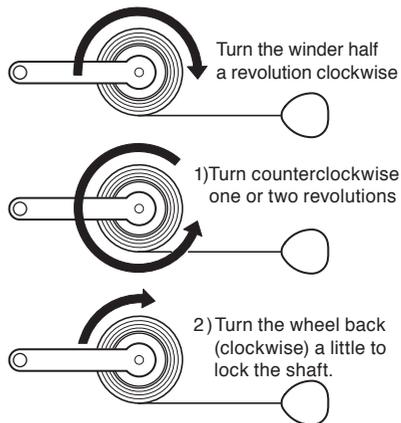
<Faster roll up>

- Fit Winder onto the transparent shaft inside Roller Pipe. Turn Winder clockwise one or two revolutions, and then turn it about 90° counterclockwise so as to lock the shaft (you will not feel the shaft push back once it is correctly locked). Do not remove Winder without fully locking the shaft, or the spring will be released.



<Slower roll up>

● Fit Winder to the transparent shaft inside Roller Pipe.



Turn Winder, first half a revolution clockwise and then one or two revolutions counterclockwise (1)). Next, turn it approximately 90° clockwise to lock the shaft (2)) (you will not feel the shaft push back once it is correctly locked). Check that the shaft is fully locked, and then remove Winder. Do not remove Winder without fully locking the shaft, or the spring will be released.

Caution

- ⊘ Do not turn more than twice at once.
- ❗ Hold Winder firmly while performing the above steps. If the grip on the winder is loosened before fully locking the roller pipe shaft, Winder may forcefully snap off and could be dangerous.

(4) Install the screen.

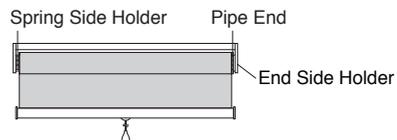
1) The pin will go in when the wheel on Pipe End is turned counterclockwise. Turn Wheel until it stops and cannot be turned any further.

2) Engage the transparent shaft inside the Roller Pipe with Spring Side Holder as shown.

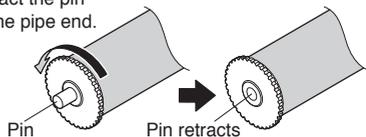
3) Put Pipe End on End Side Holder (on the opposite side). Align the hole on End Side Holder with the pin on the Pipe End, and turn the wheel of Pipe End clockwise so that the pin sticks out and engages with End Side Holder.

* During the above steps, support the roller pipe with the other hand so that it will not fall down.

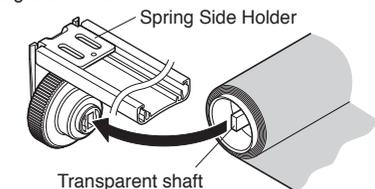
4) Check that all the components are fully secured.



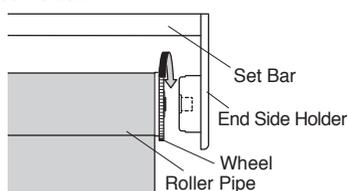
<Pipe End>
Retract the pin on the pipe end.



<Spring Side Holder>



<End Side Holder>



(5) Mount the screen assembly onto the brackets by following Step (3) on Page 8.

(6) Cycle the blind up and down a few times to see if the operation speed is appropriate. If it is too fast or too slow, repeat the adjustment by following Steps (1) to (4).

Changing the Operating Position (Optional)

* It is possible to change the chain operating position on Ti-1029B (set bar-type).

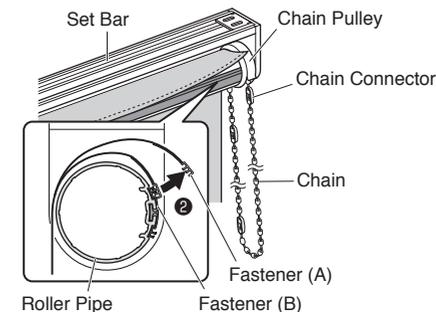
Caution

- ⊘ To change the operating position to the opposite side, remove the product from the brackets and work on the floor.

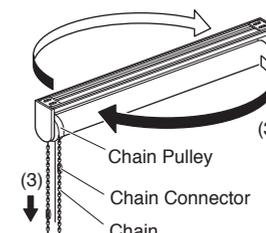
(1) Lower the screen until Chain Connector touches Chain Pulley.

(2) Separate the screen fastener (A) from the pipe fastener (B) (work from the outer end).

* This example is for changing the operating position from the right to the left.



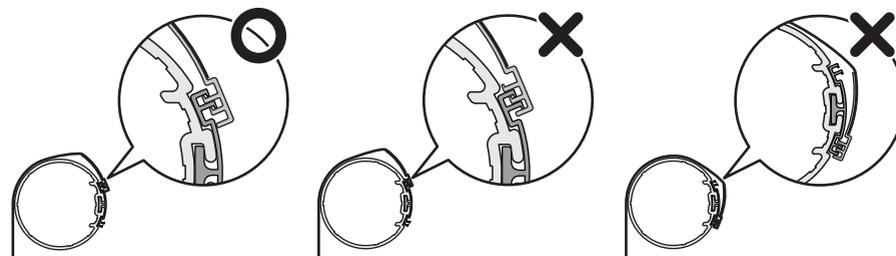
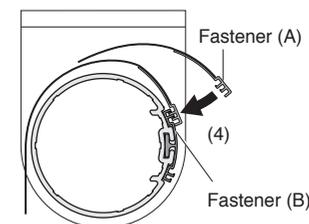
(3) Turn Set Bar so that the operating chain is positioned on the left-hand side. Pull the chain again until Chain Connector touches Chain Cover.



(4) Fit fastener (A) onto fastener (B) (work from the outer end) to install the screen.

* Make sure that the fasteners are correctly engaged as in the example below.

* Install so that the screen faces outside (facing the window).



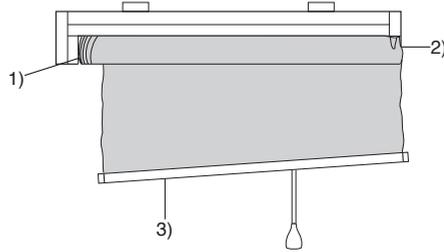
(5) Pull the chain till roll the screen up to the bottom. Mount the screen assembly onto the brackets as in Step (3) on Page 8.

Fixing Improper Rolled up Screen

- When a screen is not rolled up properly, it may cause damages to the screen or the product. TOSO Roller Blinds are inspected and adjusted to operate properly when delivered, however if a roller blind rolls improperly, follow below instruction.

<What is Improper Rolling?>

- 1) Screen edge is misaligned.
- 2) Screen edge touches a side holder.
- 3) Weight Bar is not horizontal.

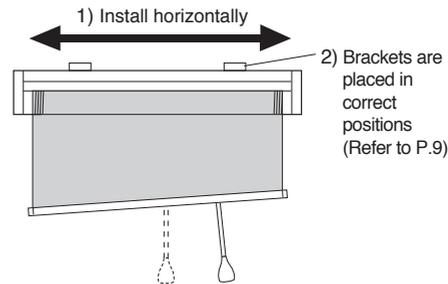


How to fix improper rolling?

- (1) Make sure a product is installed correctly.

- 1) Is a product installed horizontally?
- 2) Are Brackets placed at correct at position?
- 3) Has the pull ball been set at the center of Weight Bar? (In the case of Ti-1029 S)

* Reinstall the product if it is not installed properly.

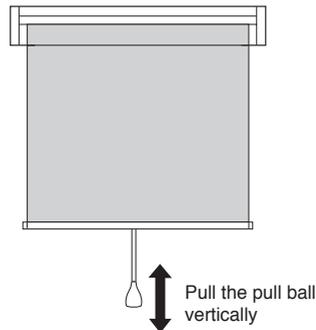


- 3) Set the pull ball at the center of the weight bar (Refer to P.9)

- (2) In the case of Ti-1029B, operate Ball Chain slowly to fully lower the screen and then roll it up again.

In the case of Ti-1029S, pull the pull ball down vertically to fully lower the screen, and then pull the ball 3 to 4 cm further before releasing it so that the screen rolls up.

- (3) Repeat the instruction (2) for 2-3 times.



Cleaning

- For regular care, dust with a feather duster or a hand mop.
- To avoid discoloration, avoid cleaning the screen with water or using it in a location susceptible to splashing water.