

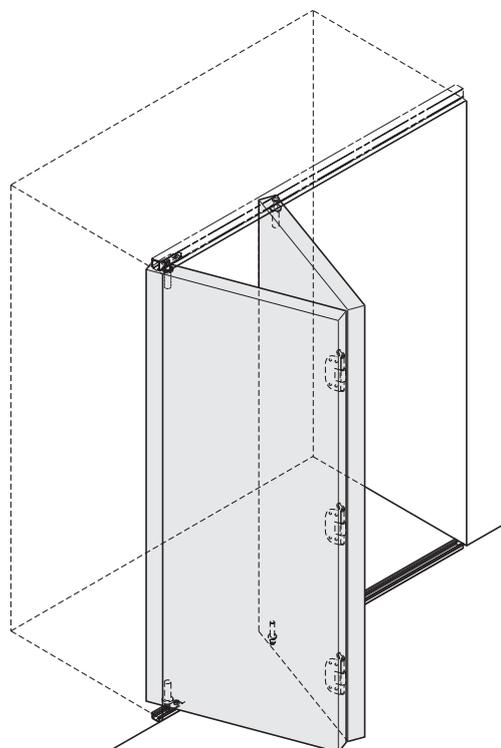
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- This product is a parts set for folding door system for indoor use.
- Easy door installation and adjustment.

SPECIFICATION

Max.Door width	450 mm
Max.Door height	2400 mm
Min.Door thickness	28 mm
Max.Door weight	15 kg / door
Height adjustable range	±3mm



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

図記号の意味

	警告 注意		禁止		厳守
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! WARNING: If these warnings are not followed, it may result in death or serious injury.

- ! This (folding door system) should be installed by an experienced person who has correct knowledge. If the system is not installed correctly, the door will not operate smoothly, and or may cause injury.
- ! It is necessary to manufacture the frame with sufficient strength so it endures the weight of the door and impact shocks upon opening/closing the door. A frame with poor strength might result in improper and slower movement of the door. In the worst case, the door might drop down and cause injury.
- ⊘ Do not try to use this product for any other purposes other than originally intended for. Do not use the parts for applications that are out of specification.
- ⊘ Do not disassemble nor modify any parts than those described in this document.

! Caution: If these cautions are not followed, it may result in injury or damage.

- ! Make sure to follow the designated measurements and specifications as well as horizontal and verticals angles. Make sure that the frame is not warped, since it may affect the movement of the door.
- ! If cutting any parts, make sure to remove any burr before installation. Also check the upper track for any left-over burr or scrap and remove these.
- ! This folding door system is a part for furniture fittings. After installation, make sure to test the finished product thoroughly to ensure that it is well-functioning and safe.
- ! Make sure to test the screws for slack at regular intervals (one month from first usage, half year and then one time every year is recommended).
- ⊘ Do not open / close the door with excessive force as this may result in damage.

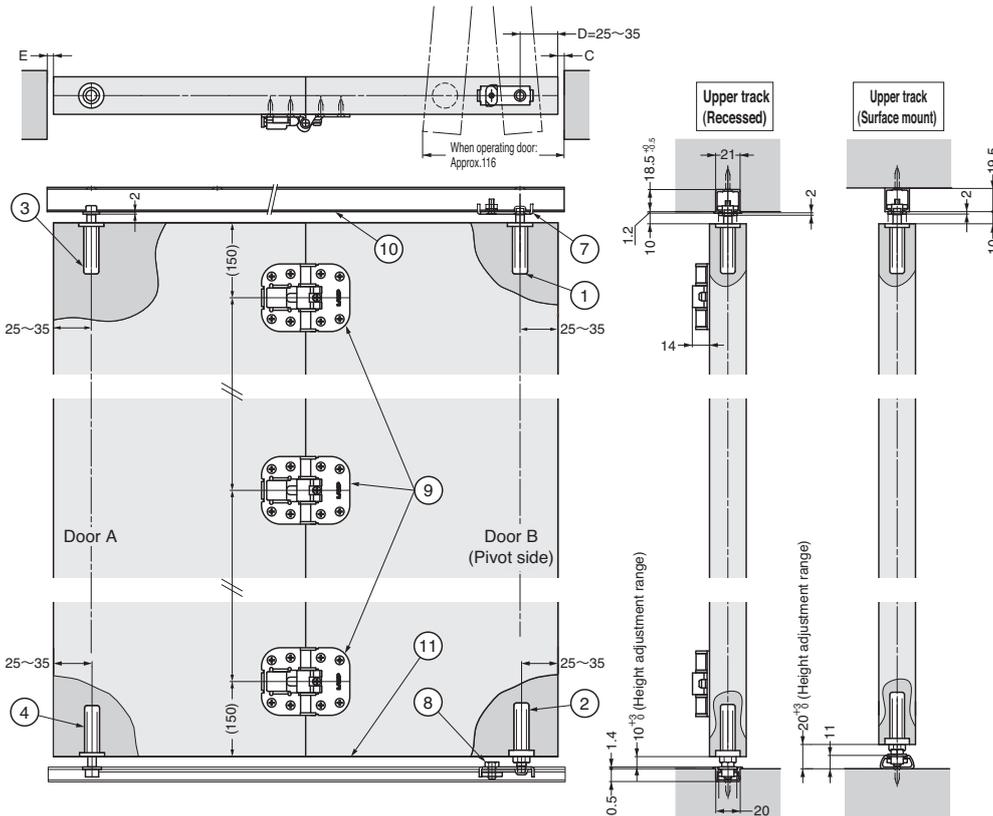
COMPONENT PARTS

No.	①	②	③	④	⑤	⑥	⑦
Name	Upper pivot	Bottom pin	Guide roller	Guide pin	Pivot insert Jig	Spanner	Pivot bracket (upper)
Item No.	FD30-FTP	FD30-FBP	FD30-FGRU	FD30-FGR	FD30-FSJ	FD30-FSP	FD30-FSKU
Item							
Attached screw	Pan head tapping screw 3.5×30 ··· 3	—	—	—	—	—	—
2 door Lower track fixed hanging section	1	1	1	1	1	1	1
4 door Lower track fixed hanging section	2	2	2	2	1	1	2

No.	⑧	⑨	⑩		⑪	
Name	Pivot bracket (bottom)	Center hinge (surface mount)	Upper track (surface mount)	Upper track (recessed mount)	Guide track (surface mount)	Guide track (recessed mount)
Item No.	FD30-FSK	FD30-CHM	FD30-TRM	FD30-TRH		
Item						
Attached screw	Truss head tapping screw 4×16	Countersunk head Tapping screw 3.5×16	Recommended screw: counter sunk head tapping screw 3.5×20		Recommended screw: counter sunk head tapping screw 3.5×16	
2 door Lower track fixed hanging section	1	3	Use 1 (surface mount or recessed)		Use 1 (surface mount or recessed)	
4 door Lower track fixed hanging section	2	6	Use 1 (surface mount or recessed)		Use 1 (surface mount or recessed)	

INSTALLATION DRAWING (EXAMPLE)

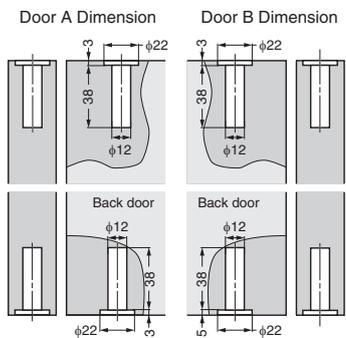
Door opening (when 40mm door thickness, 450mm door width)



Minimum Dimension between Frame and Door

Door thickness	C = Gap	E = Gap			
		Door width 300	Door width 350	Door width 400	Door width 450
30	4.0	3.5	3.0	2.7	2.4
35	5.2	4.3	3.7	3.3	3.0
40	6.5	5.2	4.5	4.0	3.6

Door processing dimension

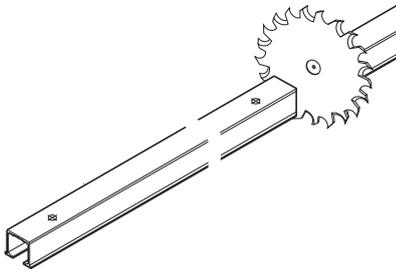


ASSEMBLY

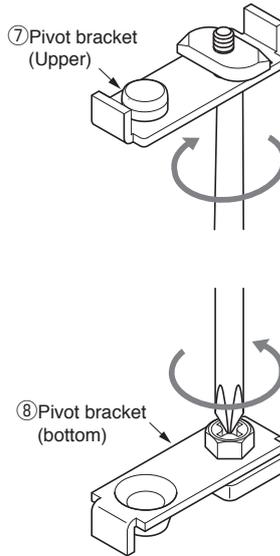
1 Cutting Track

Cut the track applying a reinforcer to prevent deformation of cut section.

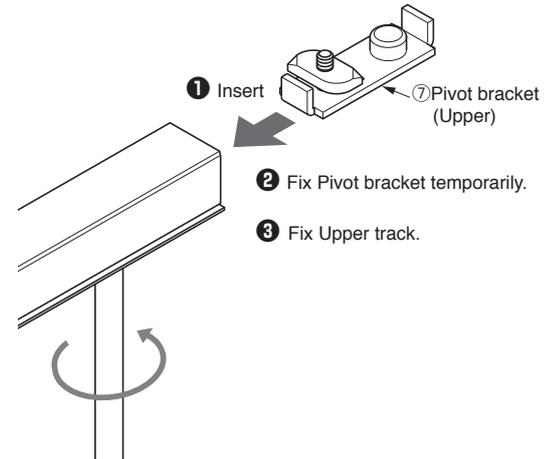
Caution
Remove any dirt or chips from the tracks.



2 Preparing Pivot Brackets

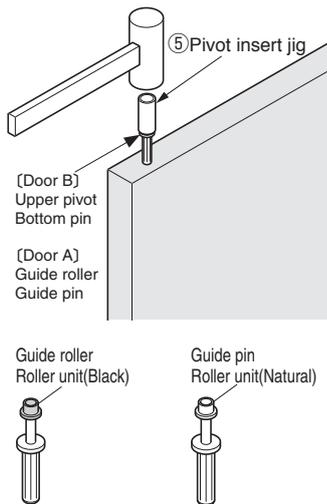


3 Assembly of Upper Track



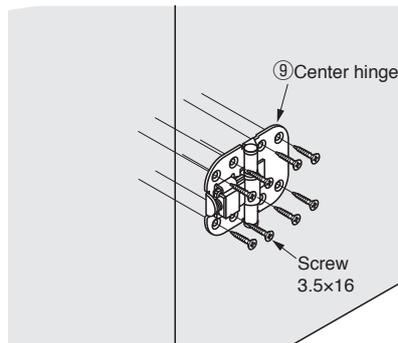
4 Assembling Parts on Door

Caution
Be careful not to damage the plastic parts.



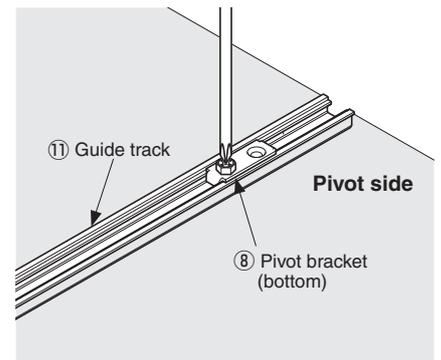
5 Installing Center Hinge

Fix all Center hinges in a same direction.



6 Installing Pivot Bracket

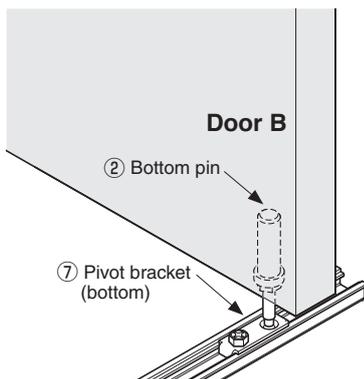
Mount Pivot bracket, taking care direction. And install guide track. Then, fix the Pivot bracket to correct position.



7 Installing Door

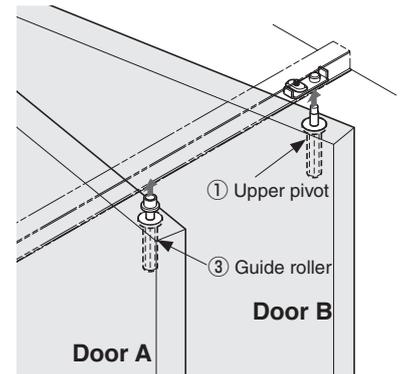
[1] Bottom

Place the end of lower pivot shaft to the hole of Pivot bracket(Door B), as shown. And, insert guide pin(Door A) to the guide track groove.



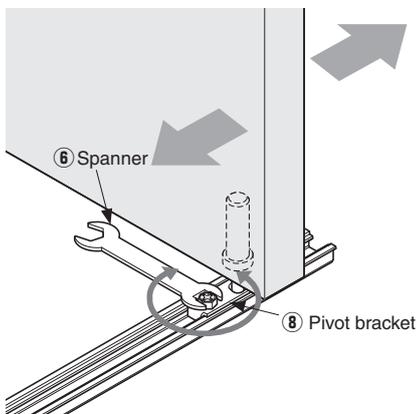
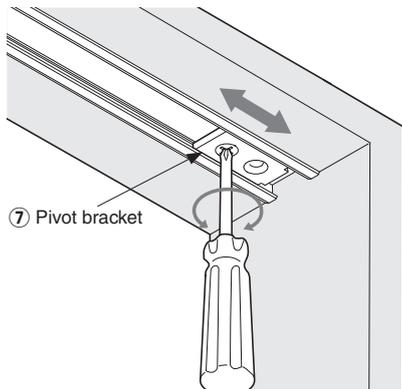
[2] Top

Pressing the pin of the Upper pivot on Door B insert it in the hole of Pivot bracket. Fit the guide roller on Door A into the track.



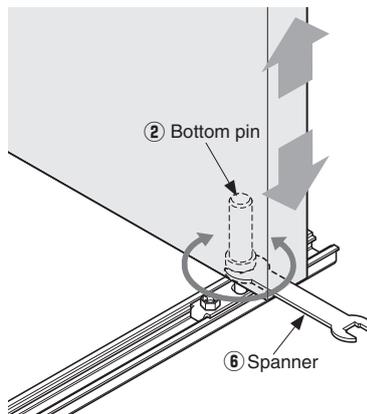
8 Door Adjustment

[1] Adjusting inclination of door

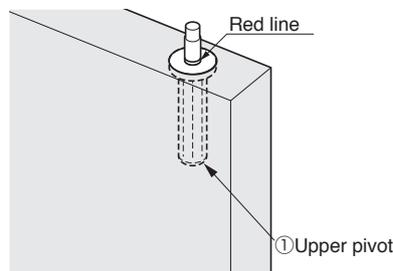


[2] Vertical adjustment

Turn the nut on Bottom pin with provided spanner.



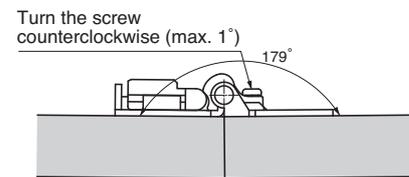
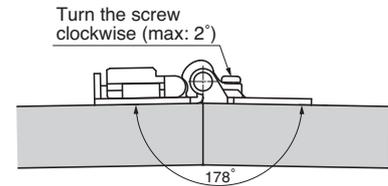
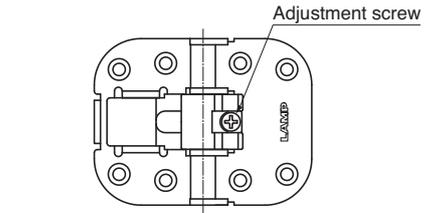
Adjustment guideline



Check if the red line on the pivot is hidden or not.
If it is visible, rotate the pivot on the bottom pin to raise the door.

[3] Adjustment of door angle .

Turn the adjustment screw on center hinge



Final confirmation...Confirm that all screws are securely tightened. And, confirm that all screws are used without mistake.

PERIODICAL INSPECTION	· Clean inside of track.
	· Check upper space and lower space of the door. If necessary, correct the space.

■ TROUBLESHOOTING

Trouble	Check	Solution
Abnormal noise during operation	Check if door touches adjacent parts.	Provide necessary space between door and adjacent objects.
	Check inside of upper track for foreign matter or aluminum dust.	Remove dust or foreign matter.
	Check upper upper track rollers for aluminum dust.	Remove the track and pull out the roller. Then, clean the roller.
	Check for loose screws retaining the upper track.	Tighten the screw.
Heavy door operation	Door bottom touches the floor.	Confirm that screws on the tracks are not loosened. And, adjust door height. Adjust the clearance between door bottom and floor to 10mm. (20mm : Surface mount type guide track)
	Check if door touches adjacent parts.	Correct door position to avoid contact to other objects. Adjust position of lower guide or stopper.
	Check if door is warped.	Use the door without warp.
Door does not move.	Check track retaining screws for looseness.	Roller touches the screw. Retighten screws to free the roller.
Door starts to move.	Check if the upper track is set horizontally.	Using a level gauge, reset upper track horizontally.

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