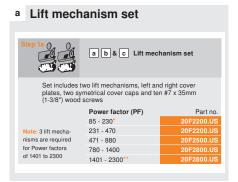
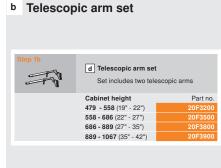
Using this catalog

Step 1: Determine required hardware

Go to the page for your application: face frame, panel or narrow frame aluminum door. (a) Use cabinet height times combined door weight to get the power factor and find the lift mechanism required. (b) Use the cabinet height to determine the telescopic arm.

(c) There is one specific hardware set for each of the three applications.

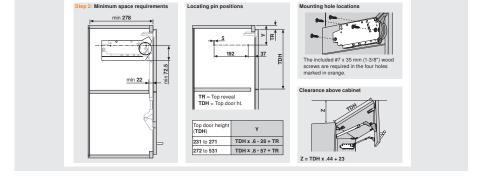




Step 2: Determine mounting location for lift mechanism

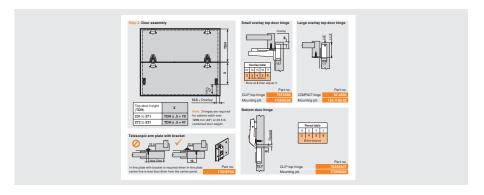
Use the chart and diagram to determine lift mechanism locating hole positions and pre-bore them in the cabinet sides.

For face frame applications, cabinet sides must be blocked out.



Step 3: Determine mounting locations for hinges, mounting plates and telescopic rod plate

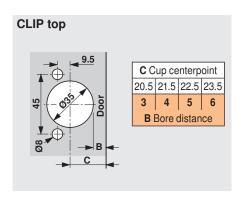
Use the chart and diagrams to determine boring distance. Bore both doors and begin assembly as shown on page 17.

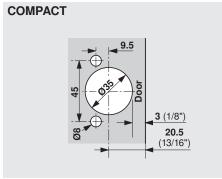


Step 4: Bore doors for hinges

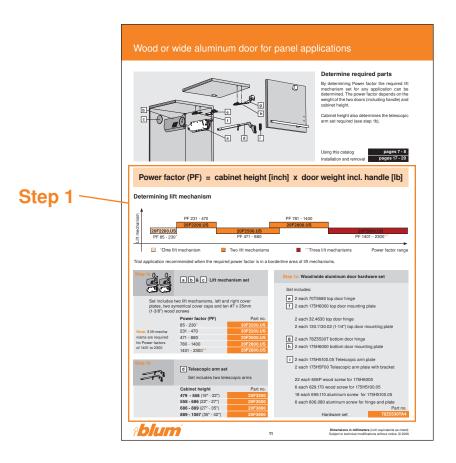
Pre-bore doors according to the specifications found in Step 4. Blum suggests using one of our MINIDRILL or MINIPRESS machines or an ECODRILL for easy, more accurate installation..

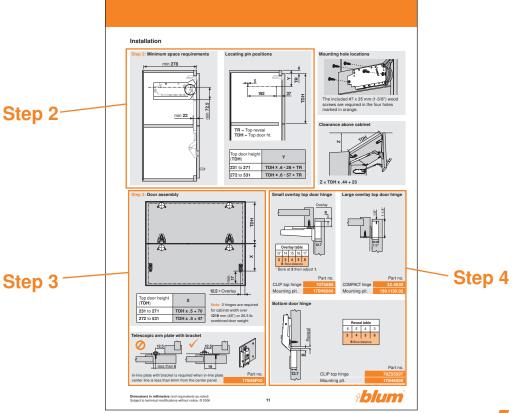
Now move to the Assembly instructions on page 17.



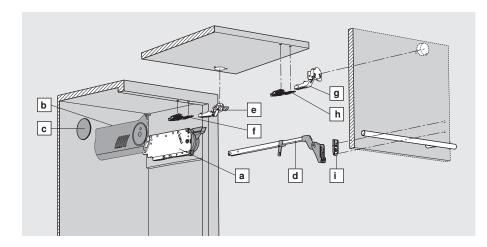








Wood or wide aluminum door for face frame applications



Determine required parts

By determining Power factor the required lift mechanism set for any application can be determined. The power factor depends on the weight of the two doors (including handle) and cabinet height.

Cabinet height also determines the telescopic arm set required (see step 1b).

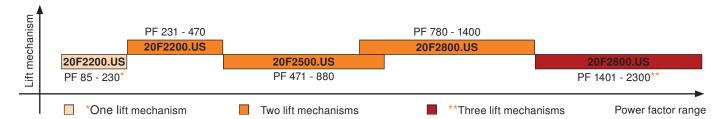
Note: Face frame cabinets must be blocked out on the sides to mount the AVENTOS HF lift mechanisms.

Using this catalog Installation and removal pages 7 - 8 pages 17 - 20

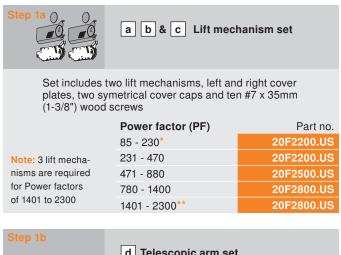
Power factor (PF) = cabinet height [inch] x combined door weight* [lb]

Determining lift mechanism

* Door weight in decimal - see page 21 for conversion chart.



Trial application recommended when the required power factor is in a borderline area of lift mechanisms.

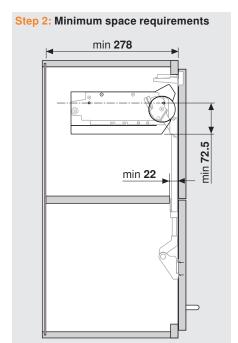


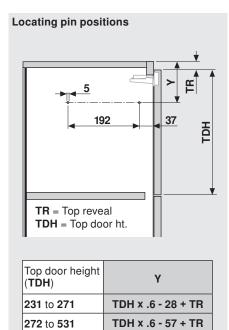
- Pro	d Telescopic arm set		
	Set includes two telescopic arms		
	Cabinet height	Part no.	
	479 - 558 (19" - 22")	20F3200	
	558 - 686 (22" - 27")	20F3500	
	686 - 889 (27" - 35")	20F3800	
	889 - 1067 (35" - 42")	20F3900	

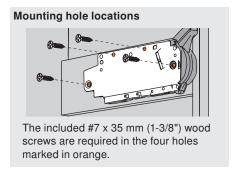
Step 1c: Wood/wide aluminum door hardware set		
Set includes:		
e 2 x 70T5580 top door hinge - 120° free swing		
f 2 x 175H6000 top door mounting plate		
e 2 x 32.4630 top door hinge - 120° free swing		
f 2 x 130.1130.02 (1-1/4") top door mounting plate		
g 2 x 78Z5530T bottom door hinge		
h 2 x 175H6000 bottom door mounting plate		
i 2 x 175H5100.05 Telescopic arm plate		
i 2 x 175H5F00 Telescopic arm plate with bracket		
22 x 606P wood screw for 175H6000		
6 x 629.170 wood screw for 175H5100.05		
18 x 699.110 aluminum door screw for hinge and plate		
6 x 606.080 aluminum door screw for 175H5100.05		
Part no.		
Hardware set 78Z5530TA4		

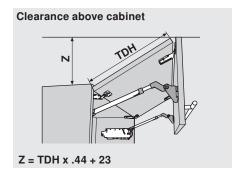


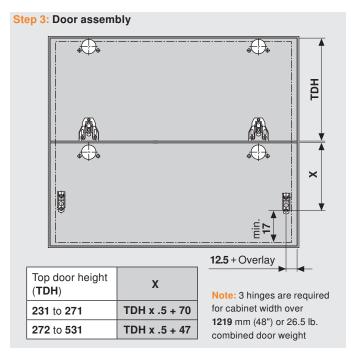
Installation

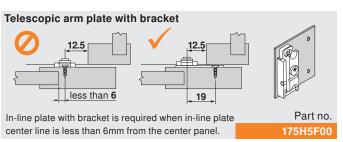


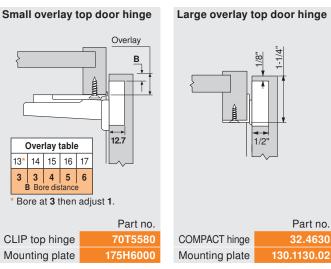


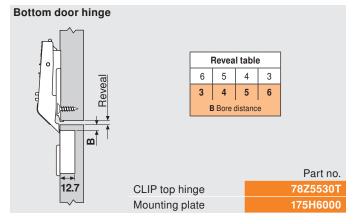




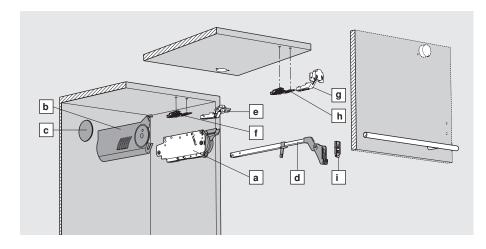








Wood or wide aluminum door for panel applications



Determine required parts

By determining Power factor the required lift mechanism set for any application can be determined. The power factor depends on the weight of the two doors (including handle) and cabinet height.

Cabinet height also determines the telescopic arm set required (see step 1b).

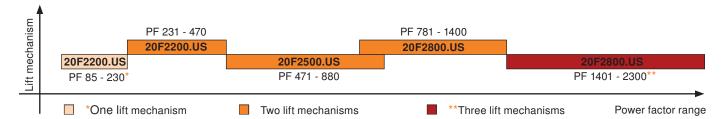
Using this catalog
Installation and removal

pages 7 - 8 pages 17 - 20

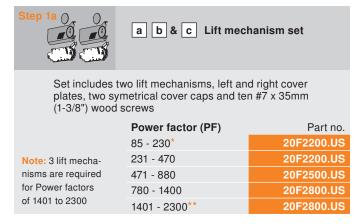
Power factor (PF) = cabinet height [inch] x combined door weight* [lb]

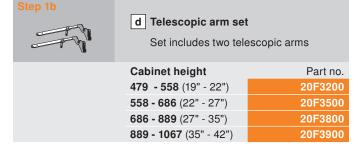
Determining lift mechanism

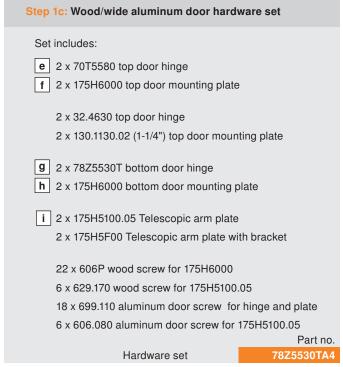
* Door weight in decimal - see page 21



Trial application recommended when the required power factor is in a borderline area of lift mechanisms.

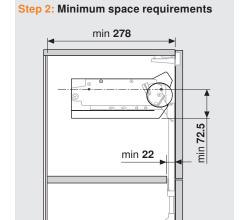


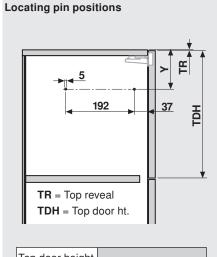




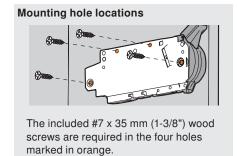


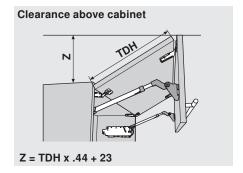
Installation

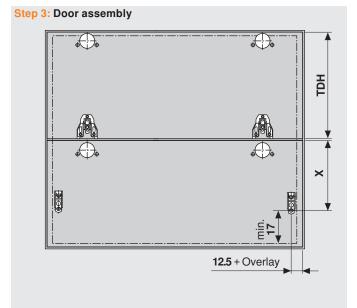




Top door height (TDH)	Υ
231 to 271	TDH x .6 - 28 + TR
272 to 531	TDH x .6 - 57 + TR

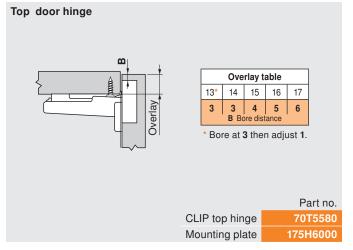


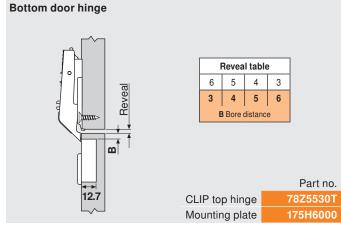






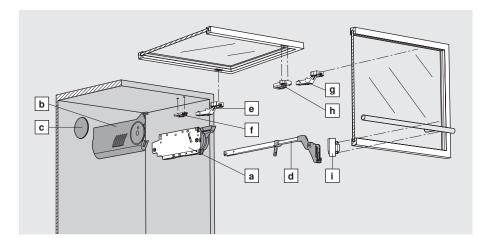
Note: 3 hinges are required for cabinet width over 1219 mm (48") or 26.5 lb. combined door weight







Narrow aluminum frame door application



Determine required parts

By determining Power factor the required lift mechanism set for any application can be determined. The power factor depends on the weight of the two doors (including handle) and cabinet height.

Cabinet height also determines the telescopic arm set required (see step 1b).

Using this catalog Installation and removal pages 7 - 8 pages 17 - 20

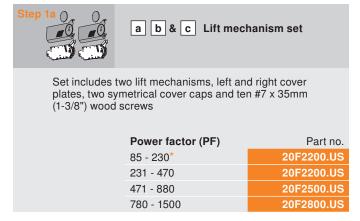
Power factor (PF) = cabinet height [inch] x combined door weight* [lb]

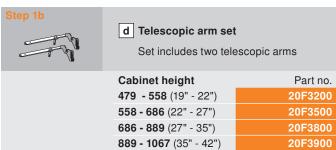
Determining lift mechanism

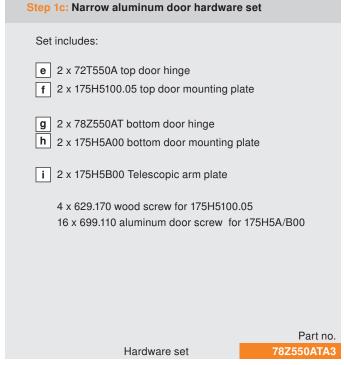
* Door weight in decimal - see page 21



Trial application recommended when the required power factor is in a borderline area of lift mechanisms.

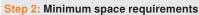


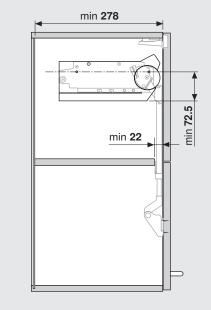


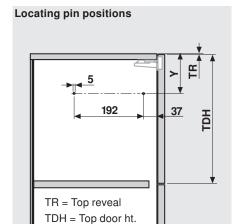




Planning

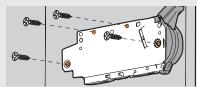






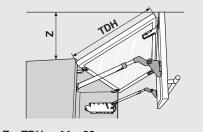
Top door height (TDH)	Υ
231 to 271	TDH x .6 - 28 + TR
272 to 531	TDH x .6 - 57 + TR

Mounting hole locations



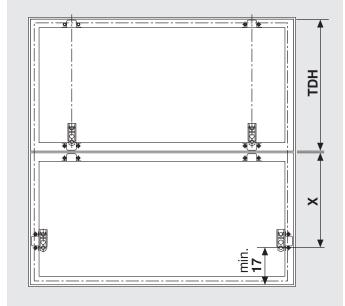
The included #7 x 35 mm (1-3/8") wood screws are required in the four holes marked in orange.

Clearance above cabinet



 $Z = TDH \times .44 + 23$

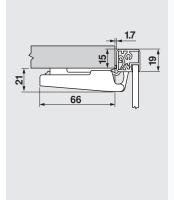
Step 3: Door assembly

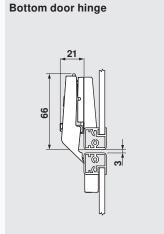


Top door height (TDH)	х
231 to 271	TDH x .5 + 70
272 to 531	TDH x .5 + 47

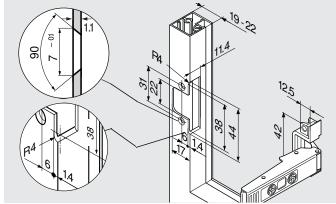
Note: 3 hinges are required for cabinet width over 1219 mm (48") or 26.5 lb. combined door weight

Top door hinge





Hinge attachment



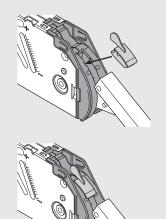


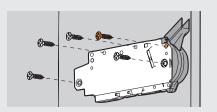


Angle restriction clip



This clip restricts the opening angle of the top hinges of an AVENTOS lift system to 104 degrees. This may be useful for cabinets with large crown moldings or installations with little clearance above the cabinet.





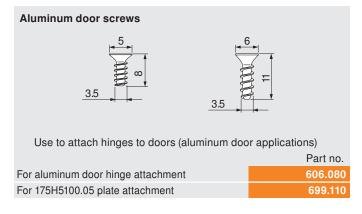
Using the AVENTOS angle restriction clip requires the installation of an extra #7 x 35 mm (1-3/8") mounting screw on each of the lift mechanisms.

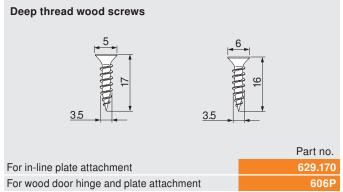
Part no.

Angle restriction clip

20F7051

Screws

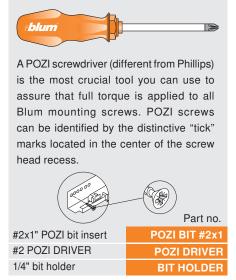




Bumpers



POZI DRIVER and bits

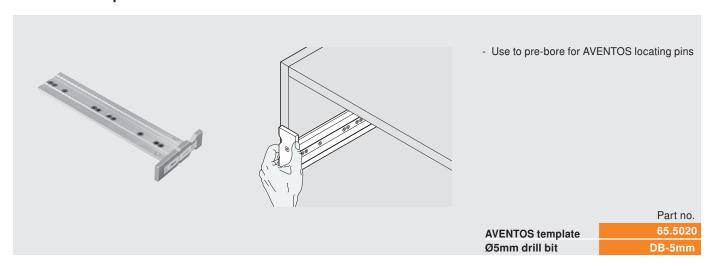




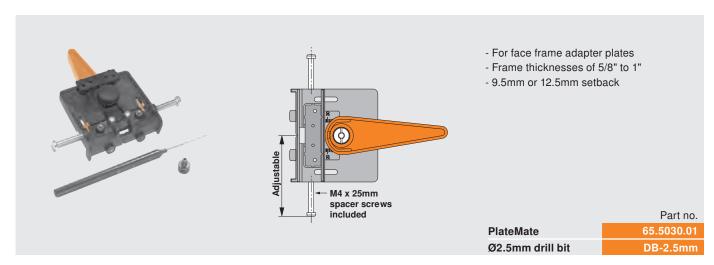
Assembly aids



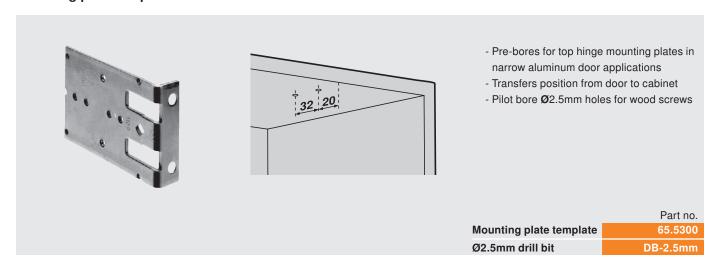
AVENTOS template



PlateMate



Mounting plate template

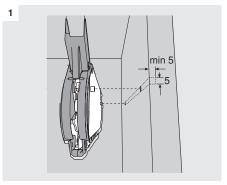


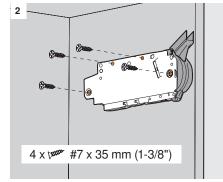
Step 1: Complete an AVENTOS planning worksheet

Go through the "Using this catalog" steps on pages 7 - 8 or complete an AVENTOS planning worksheet (available on www. blum.us). This will help you determine required hardware and neccessary cabinet preparation.

Step 2: Install the lift mechanism

- Pre-bore locating pin holes in the cabinet sides (use 65.5020 template). Attach lift mechanism to cabinet by placing it in position using the locating holes.
- 2. Attach four #7 x 35mm (1-3/8") wood screws in the holes marked in orange.





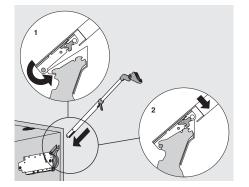
Step 3: Attach the telescopic arms

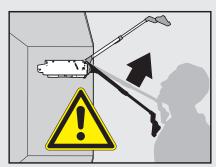
Attach telescopic arms by clipping them on in the fully upright position.



Warning: Risk of injury by spring-loaded telescopic arm!

- Do not push telescopic arm down.
- Remove telescopic arm from mechanism before installing cabinet.

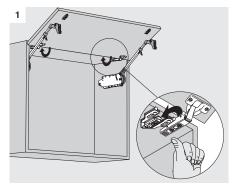


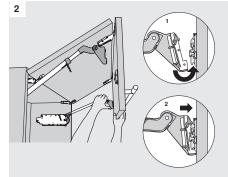


Step 4: Prepare and attach the doors

Determine the locations of mounting plates and hinges per instructions on page 9 and attach hardware to cabinet doors.

- 1. Attach top door to the cabinet.
- 2. Attach bottom door to the top door and the telescopic arms.



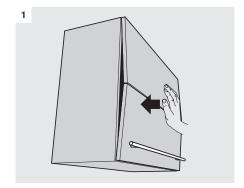


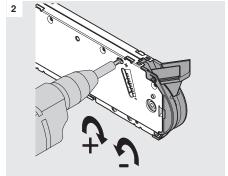




Step 5: Adjust tension of the lift mechanism

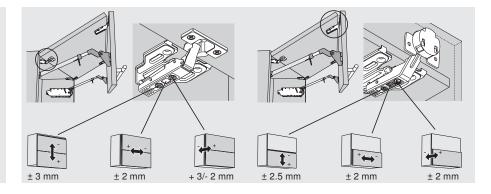
Close and flush doors to cabinet. Open and close door to test closing force. Open door and adjust tension screws on both lift mechanisms with a power drill. Test door again and repeat until desired function is achieved.





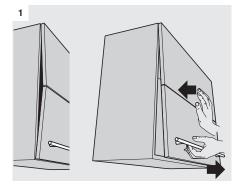
Step 6: Adjust the doors

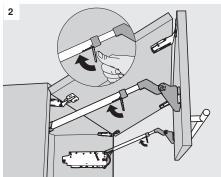
Adjust each hinge and mounting plate to properly align doors to the cabinet and to each other.



Step 7: Finalize the door and telescopic arm adjustments

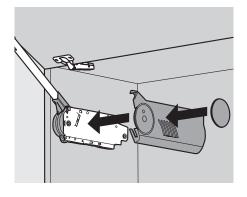
- Close and flush doors to cabinet. While pressing on the bottom of the top door, pull the bottom door open one inch.
- 2. Lock the telescopic arms into position using the levers as shown.

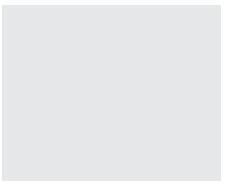




Step 8: Attach cover caps

Attach the left and right cover plates to each lift mechanism then attach the symmetrical cover caps.



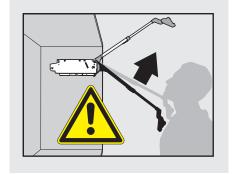


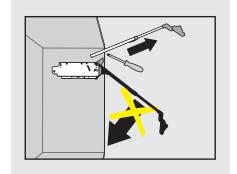


Step 1: Be aware

Warning: Risk of injury by spring-loaded telescopic arm!

- Do not push telescopic arm down.
- Remove telescopic arm from mechanism before installing the cabinet.

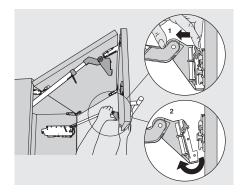




Step 2: Release telescopic arms

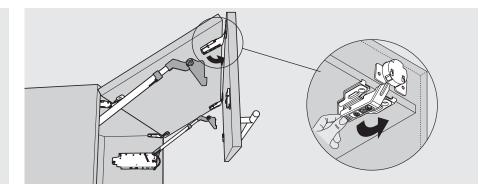
Warning: Maintain control of the telescopic arm while releasing the CLIP mechanism.

Release both arms and gently rest the top door on the loose arms. The tension will hold the doors up for the next step.



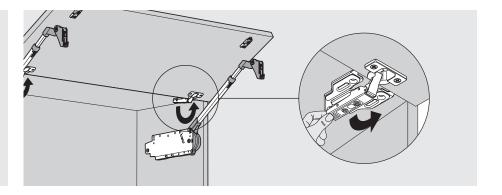
Step 3: Remove the bottom door

Hold the bottom door while unclipping the bottom hinge.



Step 4: Remove the top door

Hold the top door while detaching the top hinges. Simply unclip them if using the CLIP top hinges or unscrew them if using COMPACT.



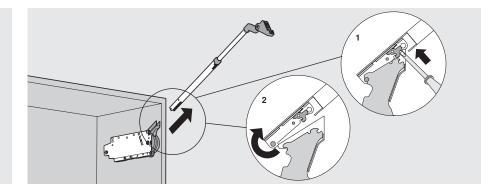




Step 5: Remove the telescopic arms

Using a screwdriver, depress the release tabs to remove telescopic arms.

If transporting the cabinet to the jobsite, stop here. Lift mechanisms stay inside the cabinet for easy transport.



Step 6: Remove the lift mechanisms

- 1. Remove the symetrical cover caps from right and left covers.
- 2. Remove the four mounting screws.

