



SERVO-DRIVE for AVENTOS HK top

Technical data sheet

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SERVO-DRIVE for AVENTOS HK top



Order specification

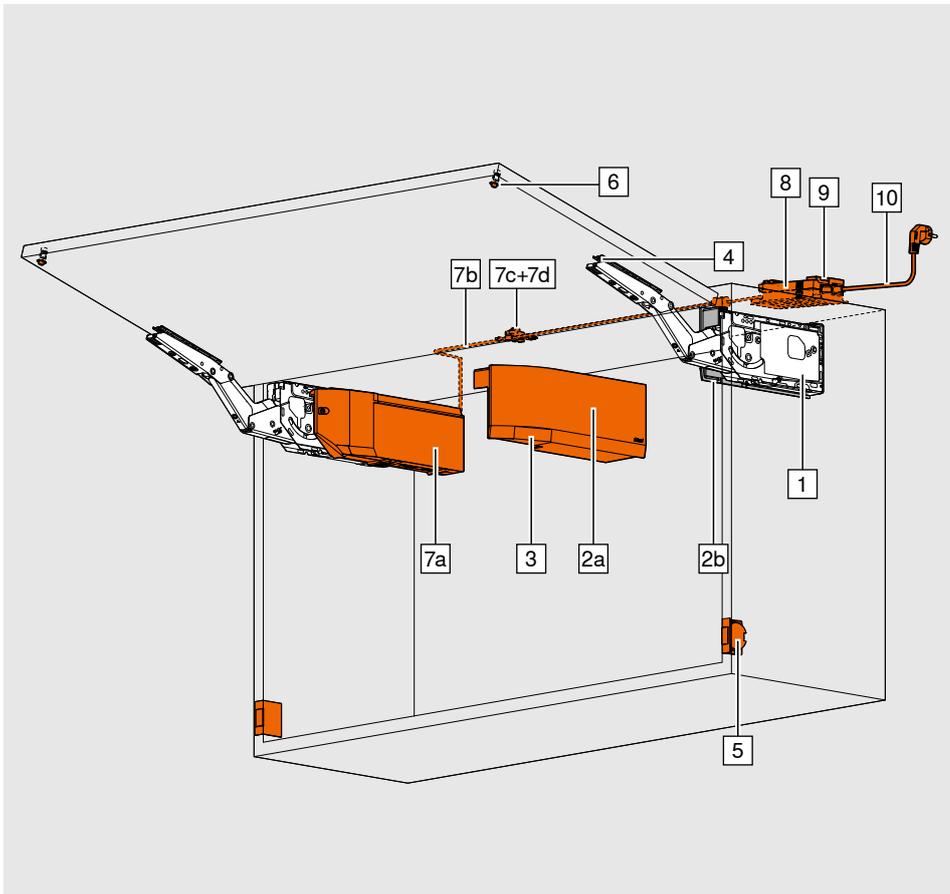
You can use the power factor to determine which lift mechanism is required. The power factor required depends on the weight of the front (incl. double the handle weight) and the cabinet height.

When using a third lift mechanism (a power factor increase of up to 50%), we recommend a trial application.

Note

We recommend an additional lift mechanism attached to the centre panel for wide cabinets. The reason for this is to prevent the front from sagging when open.

- Standard
- SERVO-DRIVE



i This is how it's done: Power factor = cabinet height (KH) [mm] x front weight including double the handle weight [kg]

A trial application is recommended at the edge areas of the individual lift mechanisms.

1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Symmetrical lift mechanism with pre-mounted system screws			
	LF	OW				
	420–1.610	max. 107°	2 x		22K2311	
	930–2.800	max. 107°	2 x		22K2511	
	1.730–5.200	max. 107°	2 x		22K2711	
	3.200–9.000	max. 107°	2 x		22K2911	
Max. front weight 18 kg with two lift mechanisms						

Alternative

1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Symmetrical lift mechanism with chipboard screws incl. positioning template			
	LF	OW				
	420–1.610	max. 107°	2 x		22K2301	
	930–2.800	max. 107°	2 x		22K2501	
	1.730–5.200	max. 107°	2 x		22K2701	
	3.200–9.000	max. 107°	2 x		22K2901	
Max. front weight 18 kg with two lift mechanisms						

LF Power factor
OW Opening angle (infinitely adjustable)

SERVO-DRIVE for AVENTOS HK top



Order specification

2a		SERVO-DRIVE cover cap large left	Plastic, light grey, silk white, dark grey
	left	1 x	23K8001

2b		Large cover cap	Plastic light grey, silk white, dark grey
	right	1 x	22K8001

3		Small cover cap	Plastic
	Plain, dark grey	2 x	ABD.1000
	Printed ¹ , dark grey	2 x	ABD.1000.BL
	Plain, Inmold brushed stainless steel	2 x	ABD.1009
	Printed ¹ , Inmold brushed stainless steel	2 x	ABD.1009.BL
	can be printed with customer logo – minimum from 1000 pcs		
	¹ with Blum logo		

4		Symmetrical front fixing brackets	Nickel plated
	Wooden fronts and wide alu frames*	2 x	20S4201
	EXPANDO	2 x	20S42E1
	EXPANDO T	2 x	20S42T1
	Narrow alu frames	2 x	20S4201A

5		SERVO-DRIVE switch	Plastic, light grey, silk white, dark grey
	Incl. battery	2 x	23P5020

6		Blum distance bumper	RAL 7037 dust grey
	Ø 5 mm	2 x	993.0530
	Ø 8 mm	2 x	993.0830.01

7		SERVO-DRIVE drive unit	RAL 7037 dust grey	23KA001
	For three lift mechanisms or more, we recommend two synchronised drive units			

7b, 7c, 7d, 8,9,10	Distribution cable, connecting node, cable end protector, Blum transformer, flex and transformer unit housing	See page	4
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Accessories

	Universal individual template	65.1051.02
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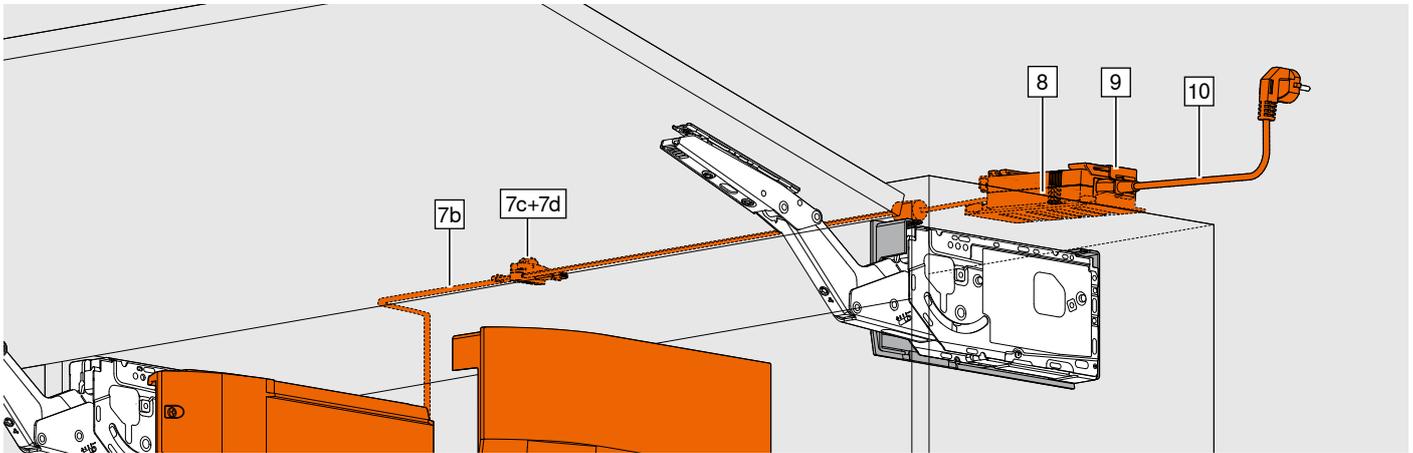
	Marking template for AVENTOS HK top	ZML.2200
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* Use 4 chipboard screws (609.1x00) for wooden fronts. Use 4 counter sunk self-tapping screws (660.0950) for wide alu frames.

SERVO-DRIVE for AVENTOS HK top

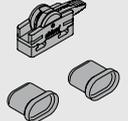


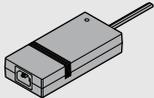
SERVO-DRIVE for AVENTOS HK top Blum transformer and accessories

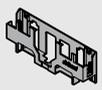


Order specification

7b	Distribution cable and cable end protector
	<p>Consisting of: 1 x SERVO-DRIVE black electrical cable for cutting to size 5 x cable end protectors</p> <p>8 m Z10K800AE</p> <p>Can be used as a distribution cable and bracket profile cable</p>

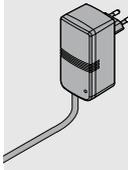
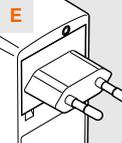
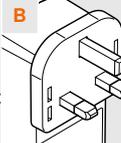
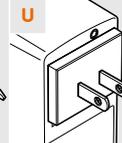
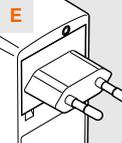
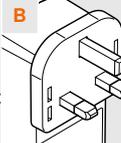
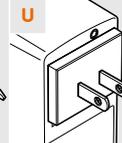
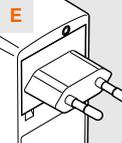
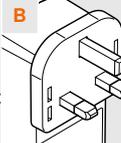
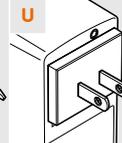
7c+7d	Connecting node and cable end protector
	<p>Consisting of: 1 x connecting node 2 x cable end protectors</p> <p style="text-align: right;">Z10V100E.01</p>

8	24-Watt Blum transformer																
	<p>Language descriptions as per ISO-639</p> <table border="1"> <tr><td>DE, EN, FR, IT, NL</td><td>Z10NE030A</td></tr> <tr><td>DA, EN, FI, NO, SV</td><td>Z10NE030B</td></tr> <tr><td>EL, EN, HR, SL, SR, TR</td><td>Z10NE030C</td></tr> <tr><td>EN, ES, FR, IT, PT</td><td>Z10NE030D</td></tr> <tr><td>CS, HU, SK, PL</td><td>Z10NE030E</td></tr> <tr><td>BG, ET, LT, LV, RO, RU</td><td>Z10NE030F</td></tr> <tr><td>EN, ES, FR, (US, CA)</td><td>Z10NE030G</td></tr> <tr><td>EN, ZH</td><td>Z10NE030H</td></tr> </table> <p>Without flex</p> <p>Including instruction leaflet and installation instructions</p> <p>Only 1 Blum transformer permitted per distribution cable!</p>	DE, EN, FR, IT, NL	Z10NE030A	DA, EN, FI, NO, SV	Z10NE030B	EL, EN, HR, SL, SR, TR	Z10NE030C	EN, ES, FR, IT, PT	Z10NE030D	CS, HU, SK, PL	Z10NE030E	BG, ET, LT, LV, RO, RU	Z10NE030F	EN, ES, FR, (US, CA)	Z10NE030G	EN, ZH	Z10NE030H
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9	Transformer unit housing
	<p>For panel fixing</p> <p style="text-align: right;">Z10NG120</p>

10	Flex																																				
	<table border="1"> <thead> <tr> <th>Market</th> <th></th> <th>Market</th> <th></th> </tr> </thead> <tbody> <tr><td>AR</td><td>Z10M200A</td><td>AU</td><td>Z10M200K</td></tr> <tr><td>UK</td><td>Z10M200B</td><td>CL</td><td>Z10M200L</td></tr> <tr><td>CH</td><td>Z10M200C</td><td>CN</td><td>Z10M200N</td></tr> <tr><td>DK</td><td>Z10M200D</td><td>TW</td><td>Z10M200T</td></tr> <tr><td>Europe</td><td>Z10M200E</td><td>US, CA</td><td>Z10M200U</td></tr> <tr><td>IN</td><td>Z10M200H</td><td>ZA</td><td>Z10M200Z</td></tr> <tr><td>IL</td><td>Z10M200I</td><td>BR</td><td>Z10M200S.01</td></tr> <tr><td>JP</td><td>Z10M200J</td><td>Europe¹</td><td>Z10M200E.OS</td></tr> </tbody> </table> <p>¹Without plug</p>	Market		Market		AR	Z10M200A	AU	Z10M200K	UK	Z10M200B	CL	Z10M200L	CH	Z10M200C	CN	Z10M200N	DK	Z10M200D	TW	Z10M200T	Europe	Z10M200E	US, CA	Z10M200U	IN	Z10M200H	ZA	Z10M200Z	IL	Z10M200I	BR	Z10M200S.01	JP	Z10M200J	Europe ¹	Z10M200E.OS
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Alternative to 24-Watt Blum transformer and flex

	12-Watt Blum plug-in transformer								
	Including flex (1120 mm)								
	For single applications only								
	Network adapter (x)*								
	<table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>								
									
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D EN, ES, FR, IT, PT	H EN, ZH								
	Z10NA30xyF								

* Not permitted for more than one drive unit!

	Cable holder
	Using the cable holder, the distribution cable can easily be fixed to the cabinet, for example.
	Z10K0009

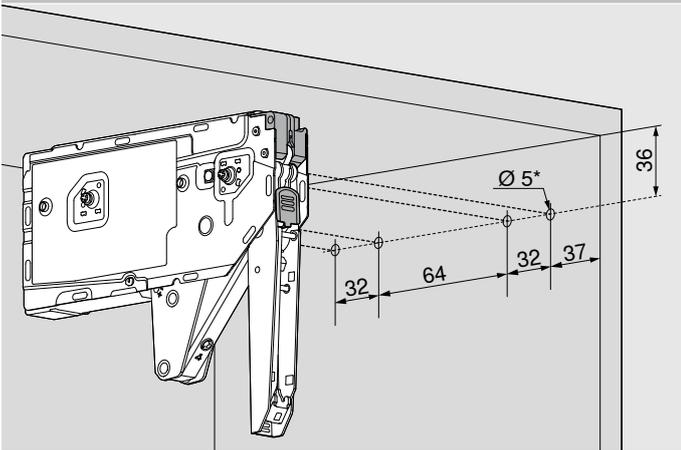
SERVO-DRIVE for AVENTOS HK top



Standard and SERVO-DRIVE for AVENTOS HK top

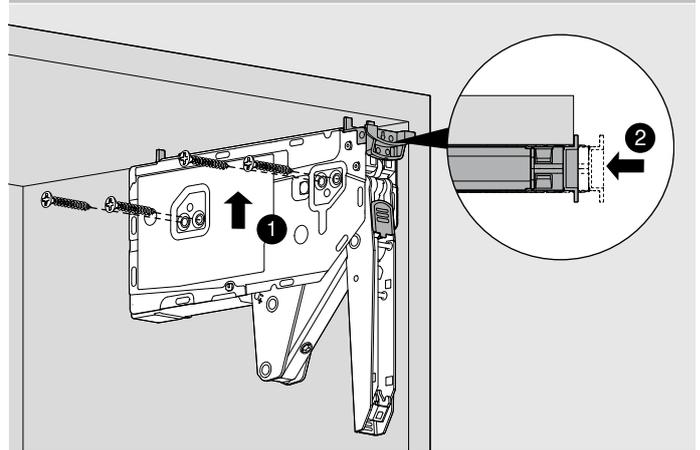
Planning

Fixing positions for lift mechanism with pre-mounted system screws



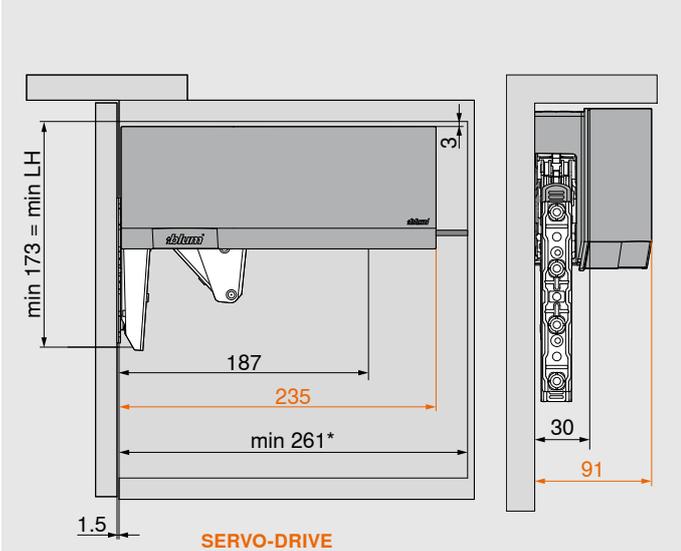
* Drilling depth 11.5 mm

Fixing positions for lift mechanism with chipboard screws incl. positioning template



4 x Ø 4 x 35 mm

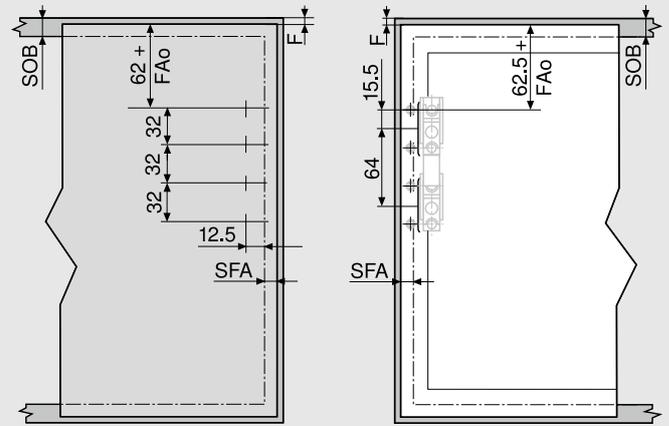
Space requirements in the cabinet



Note: Cabinet height max. 600 mm

* min. 261 mm with visible wall hanging bracket

Front assembly



Wooden fronts and wide alu frames*

Narrow alu frames

The upper front overlay (FAo) is no more than 25.4 mm

Wall application: Requires 5 mm minimum gap

* Use 4 chipboard screws (609.1x00) for wooden fronts. Use 4 countersunk self-tapping screws (660.0950) for wide alu frames.

Standard
 SERVO-DRIVE

F Gap
FAo Upper front overlay
LH Internal cabinet height

SFA Front overlay of the side panel
SOB Top panel thickness

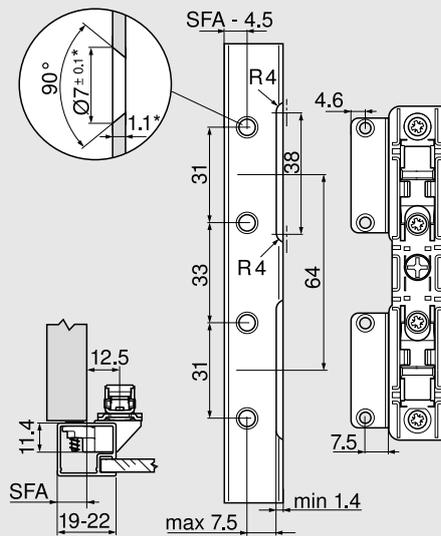
SERVO-DRIVE for AVENTOS HK top



Standard and SERVO-DRIVE for AVENTOS HK top

Planning

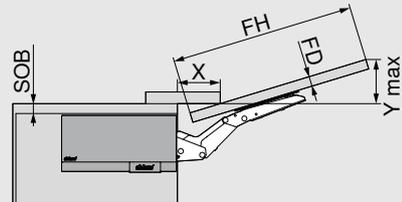
Planning for narrow alu frames



For frame width 19 mm: SFA of 11–18 mm possible

* When changing material thickness, adjust the assembly dimensions accordingly

Cornice and crown moulding space requirement

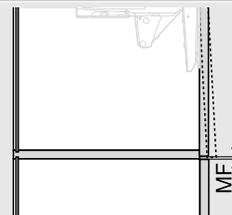


FD (mm)	16	19	22	26	28
X (mm)	68	57	47	33	27

Maximum top panel thickness 25.4 mm

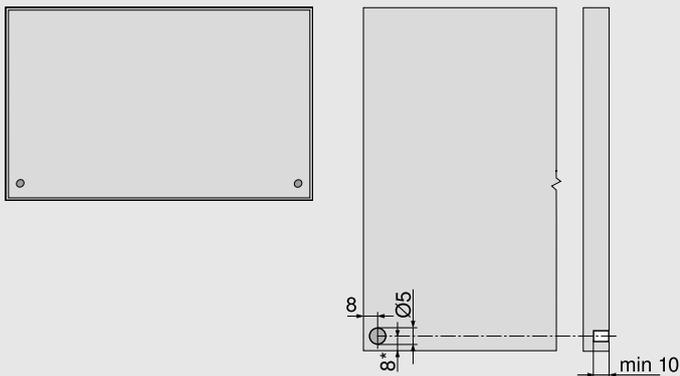
$$Y = FH \times 0.29 + FD - SOB$$

Minimum gap



The MF is 2 mm

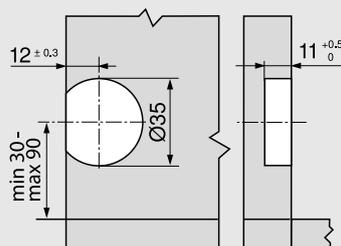
Blum distance bumper drilling position



Recommendation for aluminium frames: Provide drill hole for the Blum distance bumper in the cabinet side. A trial application must be carried out when fixing the Blum distance bumper to the front.

Do not glue Blum distance bumper.

SERVO-DRIVE switch



FD Front thickness
FH Front height

MF Minimum gap for opening
SFA Front overlay of the side panel

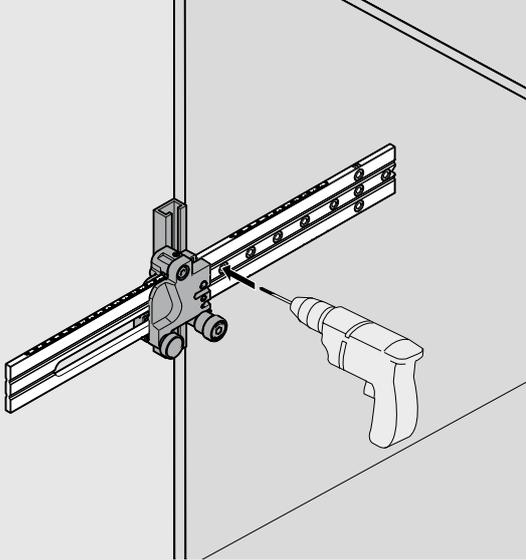
SOB Top panel thickness

SERVO-DRIVE for AVENTOS HK top



Standard and SERVO-DRIVE for AVENTOS HK top

Cabinet assembly

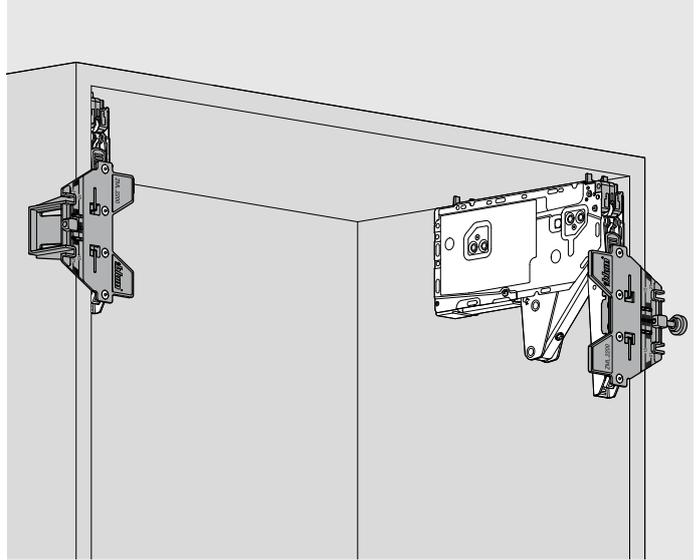


Drilling template

65.1051.02

can be used for all lift systems

Front assembly template



Marking template for AVENTOS HK top

ZML.2200

for front fixing

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