

TEFCOLD®

TEFCOLD  
SOCA18790A Serve  
Over Counters



# TEFCOLD SOCA18790A Serve Over Counters Instructions

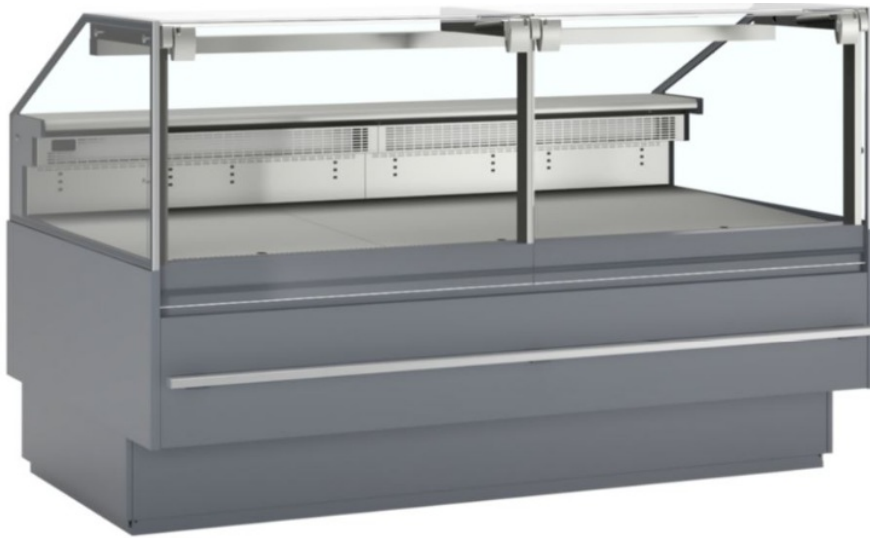
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TEFCOLD® 

**TEFCOLD SOCA18790A Serve Over Counters**



## Specifications

- Models: SOCA, SOCB
- Operating Voltage: 220-240 V/50 Hz
- Refrigerant: R290/R600a

## Product Information

The Serve Over Counters are designed for storing hermetically sealed containers containing processed food. The cabinets come in two models: SOCA and SOCB, operating on a voltage of 220-240 V/50 Hz. They contain a flammable refrigerant, so proper ventilation is crucial. The cabinets should be easily accessible for electrical connection and each section must be connected to a separate wall socket if multiplexed.

## Installation and Setup

1. **Unpacking:** Carefully unpack the cabinet and ensure all parts are included.
2. **Electrical Connection:** Ensure the wall socket is easily accessible and follow all earthing requirements.
3. **Multiplexing:** If using multiple cabinets, connect each section to a separate wall socket.
4. **Start-up:** After installation, follow the start-up procedure outlined in the manual.

## Usage Instructions

1. **Thermostat:** Adjust the thermostat settings based on your cooling needs.
2. **Defrosting:** Follow the defrosting instructions provided in the manual to prevent system leakage.
3. **Cleaning and Maintenance:** Regularly clean and maintain the cabinet to ensure optimal performance.
4. **Service:** Any repairs should be carried out by a skilled technician to ensure safety and compliance.

## FAQ

### 1. **Q: Can I use electrical appliances inside the refrigerated storage compartment?**

A: No, it is not recommended to use electrical appliances inside the refrigerated storage compartment to prevent hazards.

### 2. **Q: What should I do if I encounter issues with the thermostat parameters?**

A: Refer to the Carel Easy instructions provided in the manual for troubleshooting and adjusting thermostat parameters.

## IMPORTANT SAFETY INSTRUCTIONS

1. To get the best out of your cabinet, read these instructions thoroughly.
2. The user is responsible for correct use of the cabinet in accordance with instructions.
3. Place cabinet in a dry, well ventilated room.
4. Do not place close to sources of heat or in direct sunlight.
5. Do not place near air conditioners or other ventilation units.
6. Do not store explosive substances such as gas, petrol, ether or the like in the cabinet.
7. The device cannot be used by children. The device cannot be used by people with lower physical and mental capabilities, people with lack of experience and knowledge of the device unless supervision and instruction regarding safe usage of the device is provided, so that the associated risks are understood.
8. During cleaning, maintenance and installation, the device should be completely disconnected (remove the plug from the socket) and secured against reconnection. The operator must be able to check, from every point he has access to, that the plug has been removed.



**ONLY FOR APPLIANCES WITH REFRIGERANT R290/R600a!**

This appliance contains a flammable refrigerant, so make sure of good ventilation around the appliance. Do not use mechanical devices when defrosting, this can cause leakage of the cooling system. Do not use electrical appliances inside the refrigerated storage compartment.

Any repair of the appliance should be carried out by a skilled technician (EN 60335-2-89: 2010).

### **Important !**

The base of this cabinet is designed for storage of hermetically sealed containers containing processed food.

## ELECTRICAL CONNECTION

The cabinet operates on 220-240 V/50 Hz.

The wall socket should be easily accessible. If more cabinets are multiplexed, each section must be connected to a separate wall socket. All earthing requirements stipulated by the local electricity authorities must be observed.

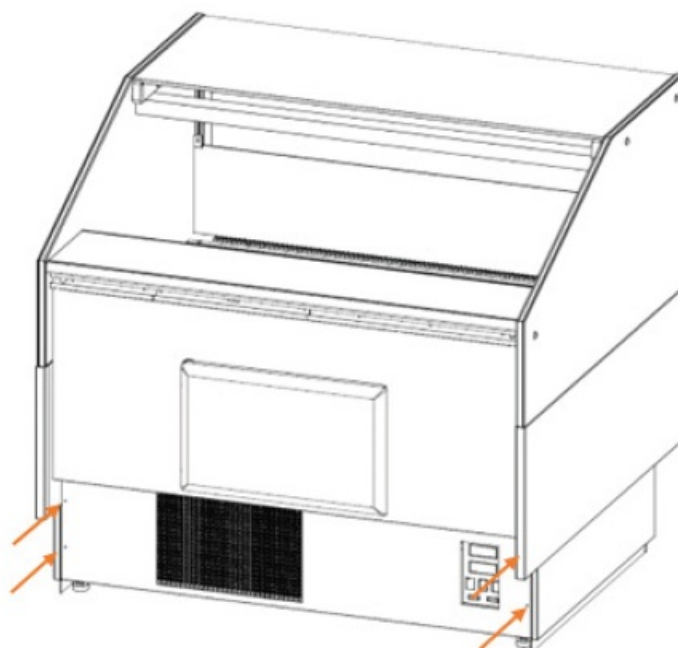
The cabinet plug and wall socket should then give correct earthing. If in doubt, contact your local supplier or authorized electrician. The main electrical connections must be done by skilled electricians.

## UNPACKING AND INSTALLATION

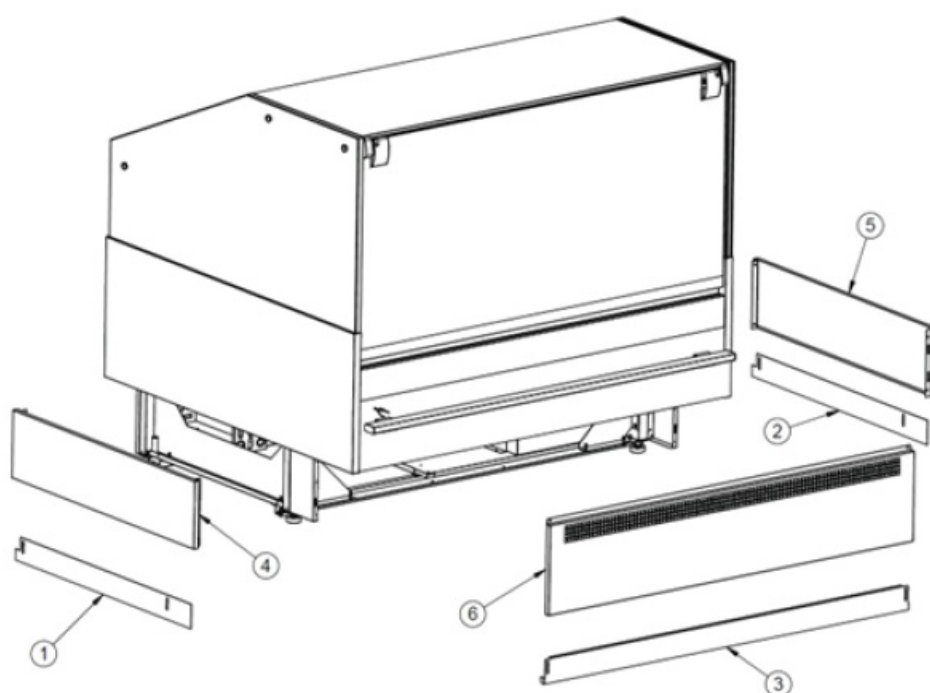
Remove the wooden pallet and the packing. External surfaces are supplied with a protection foil, which must be removed before installation.

## SOCKETS AND COVERS

To install the side sockets and side covers, the back cover must be disassembled. For its disassembly use 4 screws located in the corners, according to the drawing below.



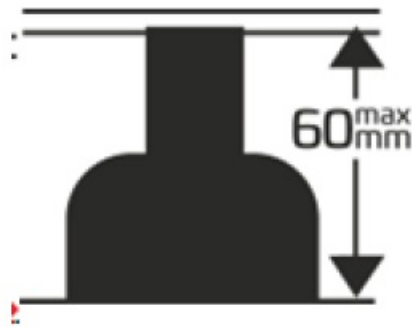
Install the side sockets and side covers, in the order shown below. Then reassemble the back cover. See page 18 for details.



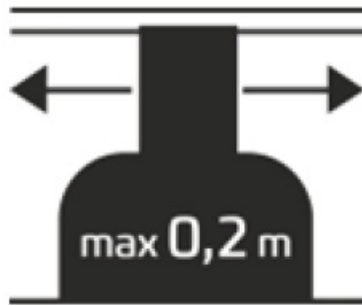
1. Left side socket
2. Right side socket
3. Front socket
4. Left side cover
5. Right side cover
6. Front cover

## LEVELLING

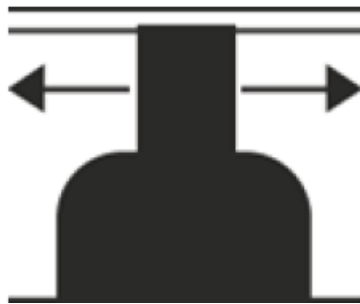
The device must be leveled in all directions and firmly seated.



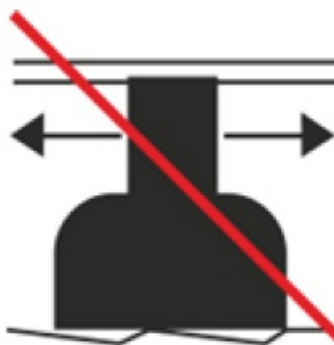
- Maximum adjustable height is 60 mm.



- Maximum movement of a device with legs is 20 cm.



- Move the device only with fully screwed legs.



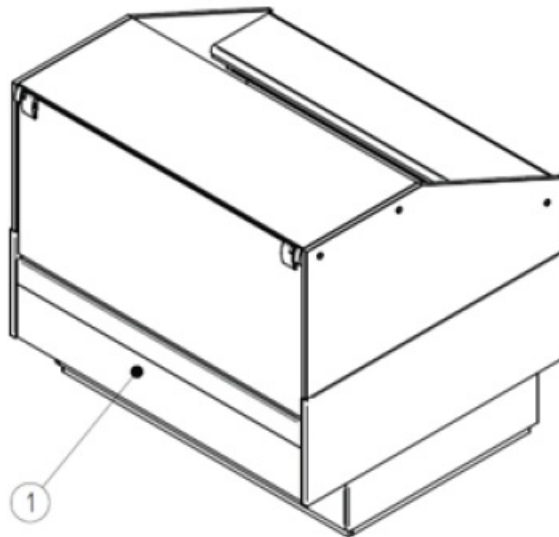
- Do not move the device on uneven surfaces.

Adjust the legs using a no. 24 fork spanner.

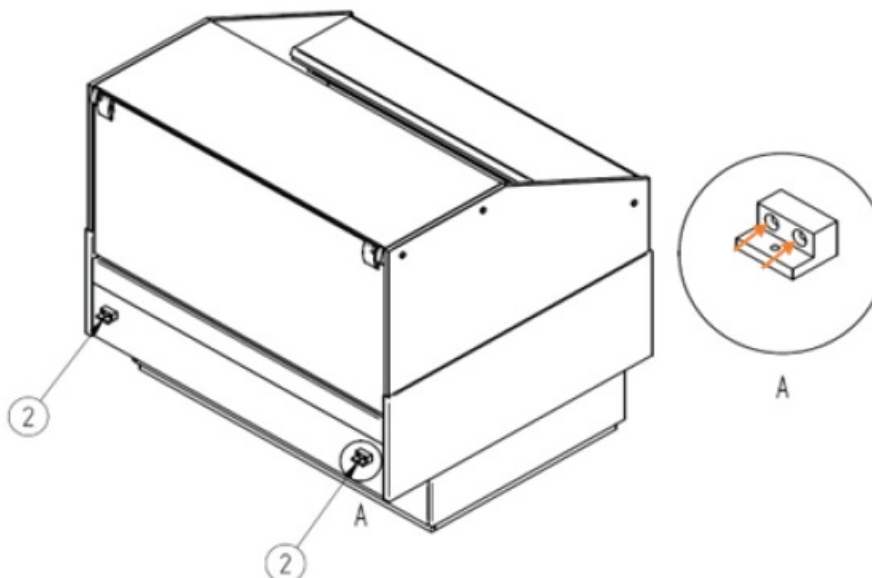


## BUMPERS

There are holes in the front profile (1) for the bumper holders. See page 18 for more details.

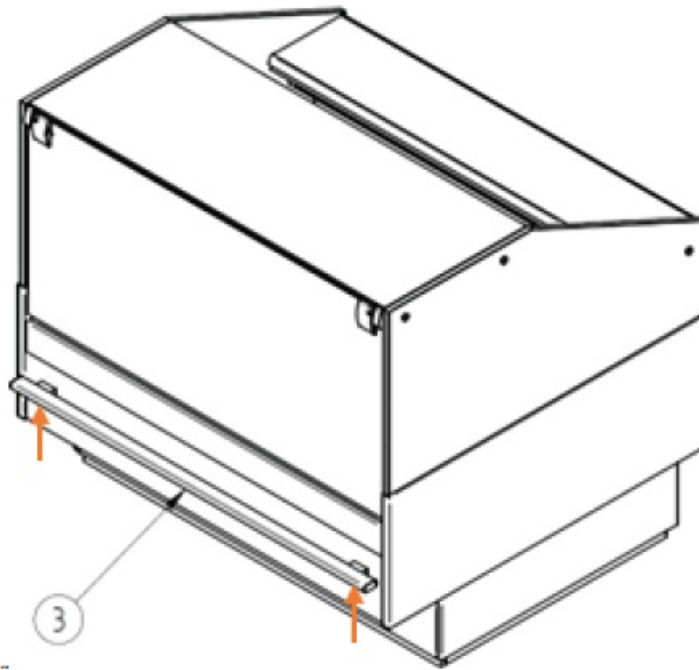


Install the bumper holders (2) by 4.8×38 screws



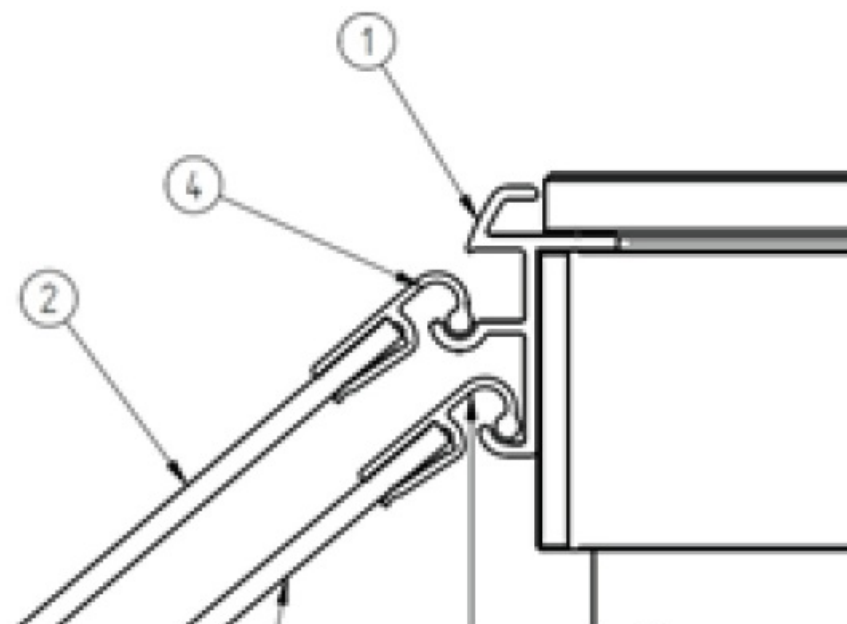
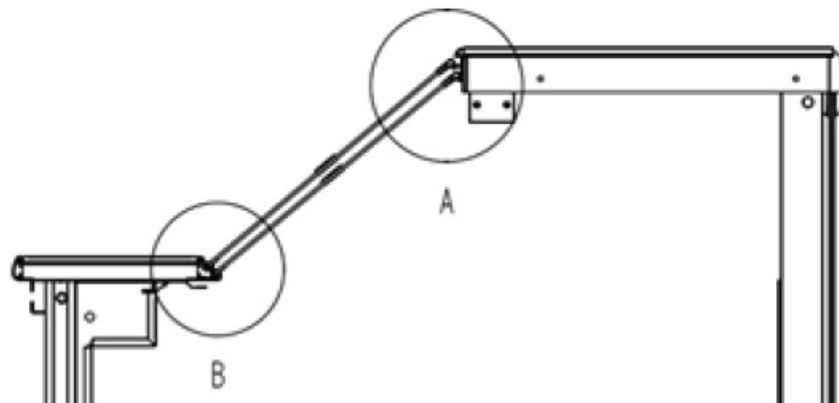
Put the bumper (3) on the holders so that the holes in the bumper align with the lower opening of the holders. Use

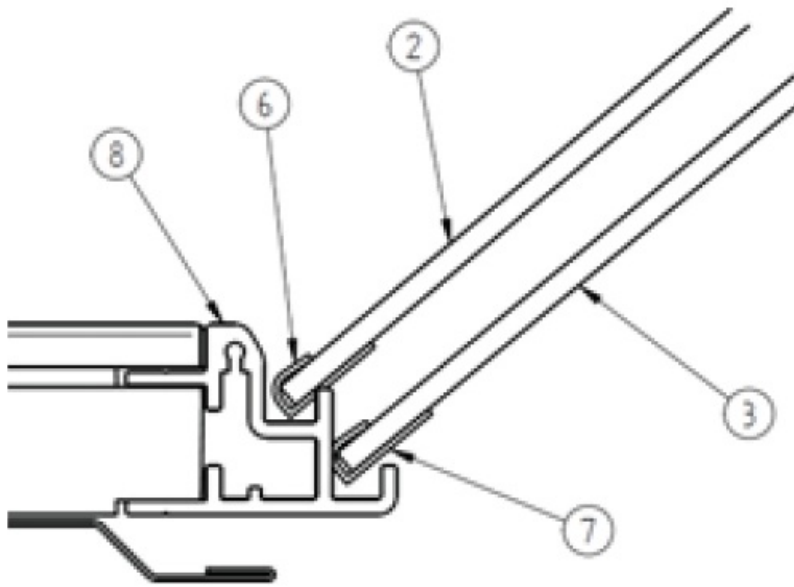
M4x20 screws to fasten to the holders.



### **NIGHT BLINDS / LIDS (OPTIONAL)**

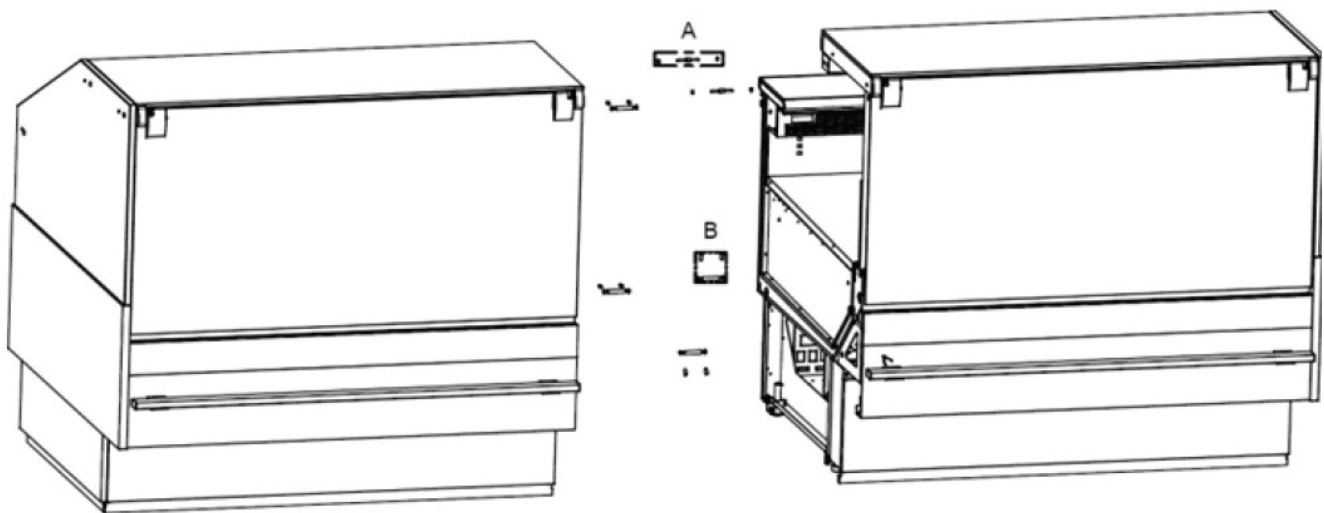
Place the blinds in the upper runner profile as in the drawings, and guide them to the lower runner profile.





## MULTIPLEXING

The device is adapted to be connected with subsequent modules of the same type.

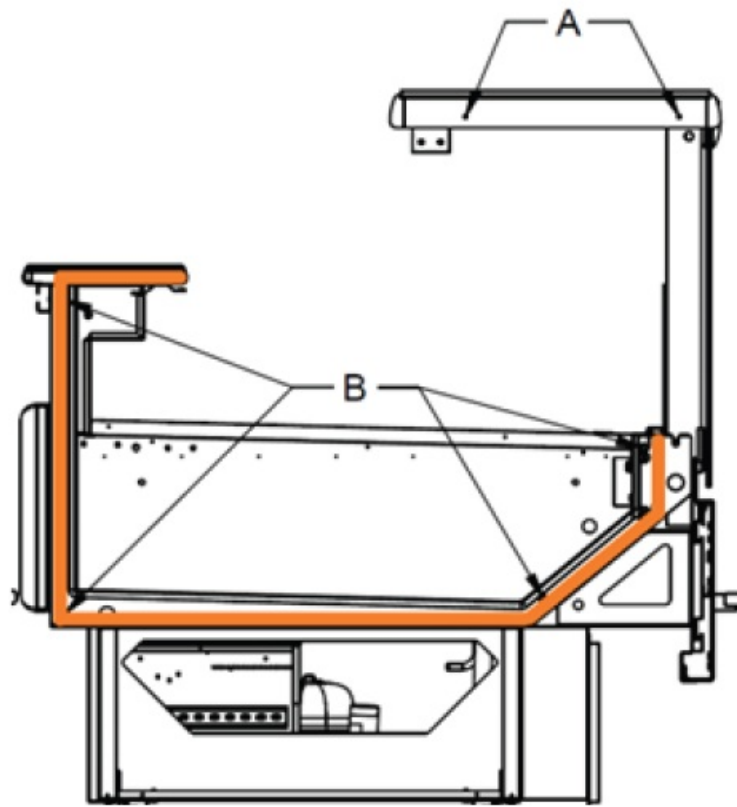


**The multiplexing kit 55146 includes:**

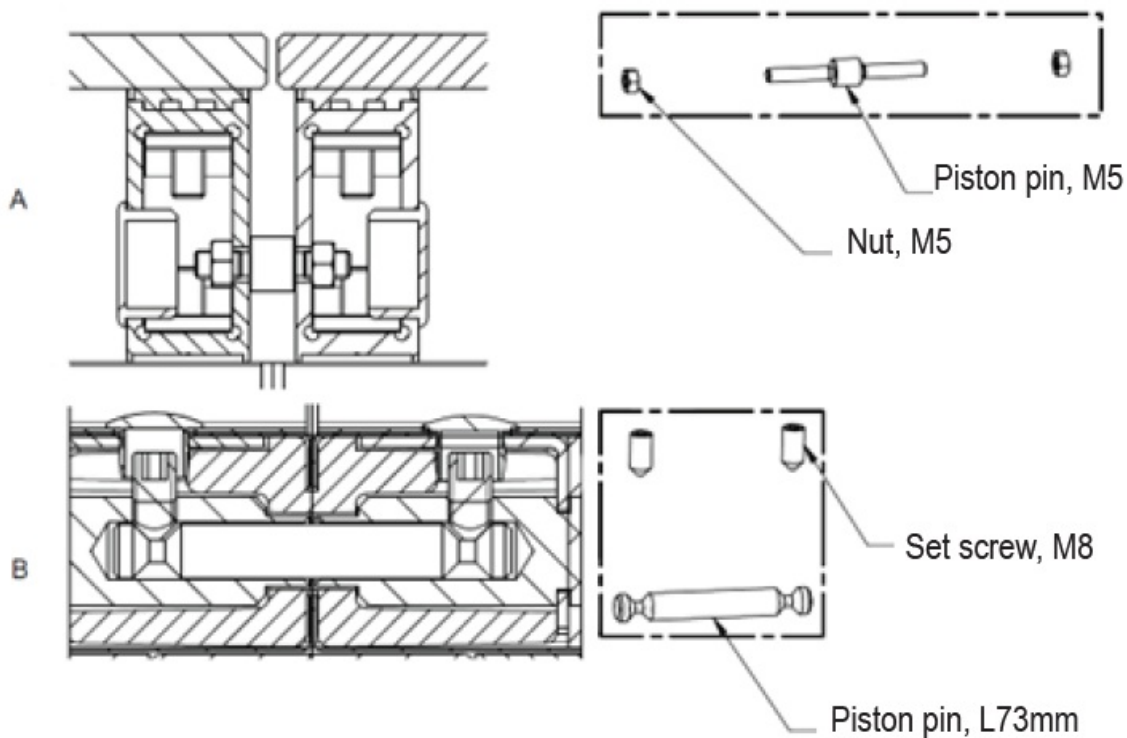
- 2 Piston pins, M5
- 4 Nuts, M5
- 4 Piston pins, L73mm
- 8 Set screws, M8
- 2 Set screw plugs

Seal the marked area with silicone seal before assembly.





Assembly details.



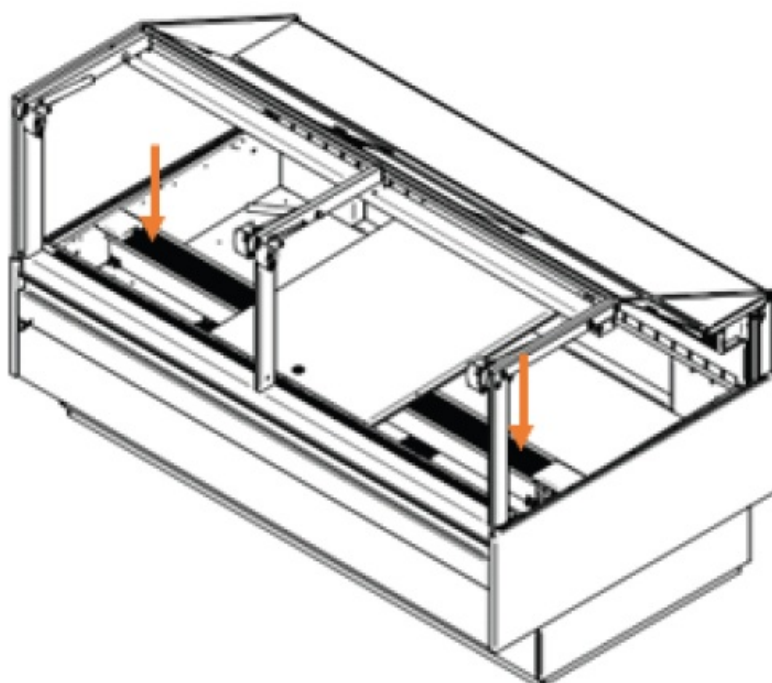
#### Order of action multiplexing devices into a line:

1. Place the refrigeration counter in the designated place and level precisely. The front cover should be disassembled for the time of connecting
2. In a properly positioned device, place the fasteners in places shown on the drawing above (2xM5 piston pins in places marked as A, L73mm piston pin in places marked as B) Take the plugs out of the horizontal post and secure 2xM5 piston pins from falling out with M5 nuts, then place the plugs back in the post.

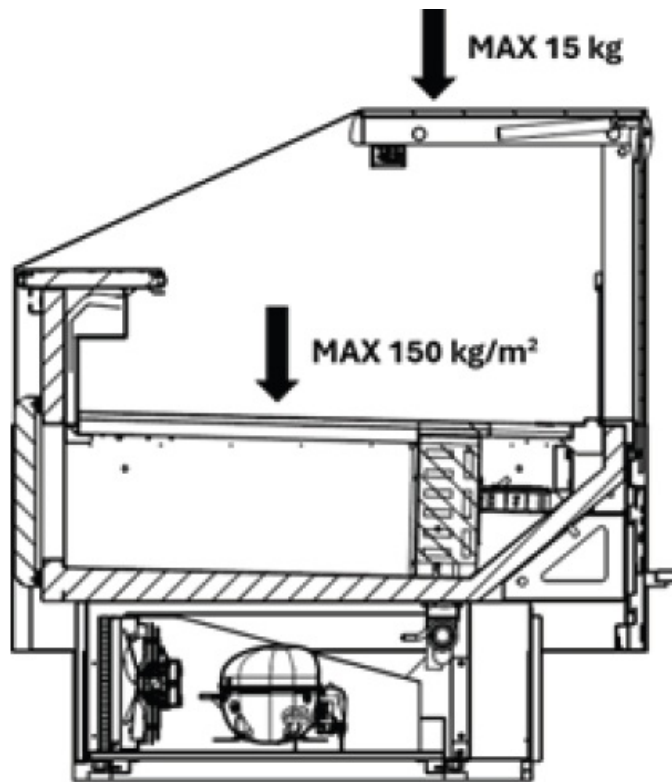
- Secure the L73mm piston pins from falling out with M8 set screw, then place the plugs back in the post.
3. Stick the seal in the place indicated on the drawing previous page.
  4. Place another refrigeration counter at the connection point and level precisely to the previous counter (height of the devices must match).
  5. Slide the other device on the fasteners from the first device, carefully push to the seal and assemble the M5 nuts and M8 set screws as in point 2.
  6. Install the front sockets and front covers of the frame.

## START-UP OF THE CABINET

Before use, we recommend that the cabinet is cleaned, see the section on maintenance and cleaning. Before use, it's necessary to fill the water locks with water to prevent hot air to flow through the drains. To perform this action, remove the bottom shelves and slowly pour app. 0,5 liters of water through the evaporator in the marked places in the drawing.



Before stocking the cabinet, make sure the temperature inside the cabinet has reached expected value. Do not exceed the load of the shelves, see below. Place the products with at least 10 mm gap to allow proper air flow of cooled air. Do not block air inlets and outlets.



#### THERMOSTAT

The thermostat is placed in the control panel.



The thermostat has been pre-set and in most cases it is not necessary to adjust the settings. When turning on the cabinet the display will show the current temperature in the cabinet.

#### Display set temperature:

**SET** Press this key and the display will show the set temperature. Press the key again to return to normal reading

#### Set new temperature:

**SET** Press this key continuously for more than 3 seconds and the display shows the set temperature. (The '°C' LED is flashing)



Press this key to increase the set temperature.



Press this key to lower the set temperature.

**SET** Press this key to save the new settings. The display will flash with the new value and will then return to normal reading.

## CHANGING OF PARAMETERS

See table of parameters from page 15.

## DEFROSTING

The cabinet defrosts automatically with pre-set intervals. If the contents of the cabinet is changed frequently it may become necessary to defrost the cabinet manually.

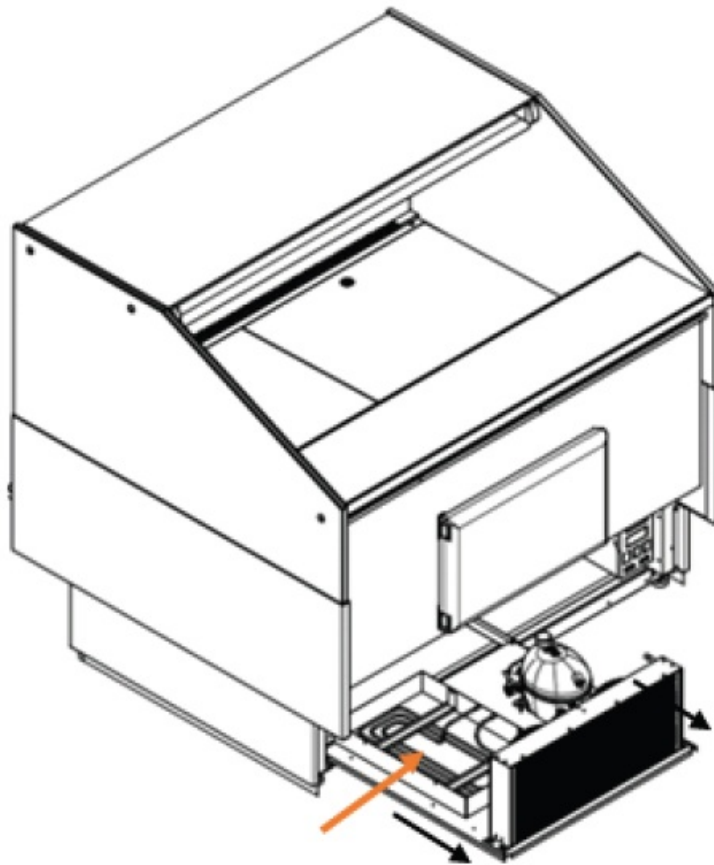


Pressing this key continuously for more than 3 seconds will start a manual defrosting and then return to normal operation.

Defrosted water runs to a container placed in the compressor compartment and evaporates.

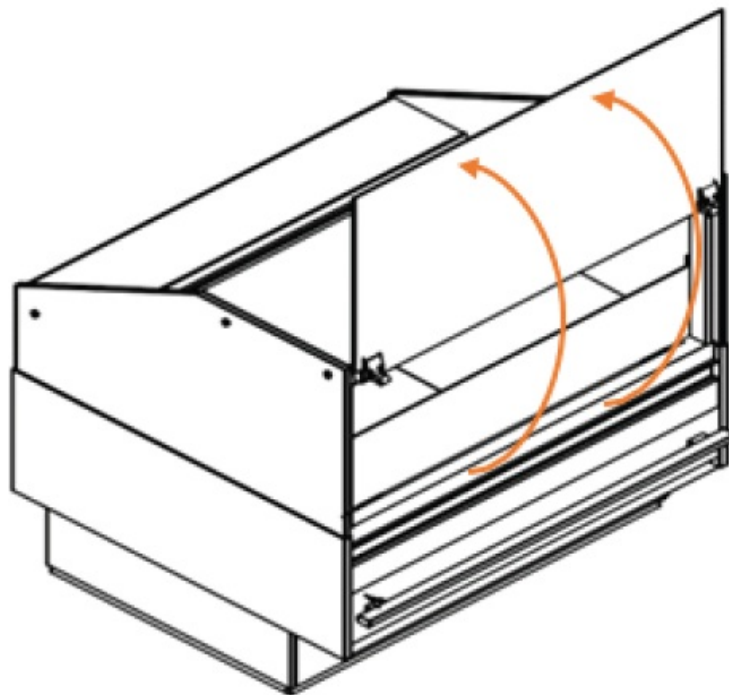
## CLEANING AND MAINTENANCE

Switch off the electrical connection at the socket. The cabinet must be periodically cleaned. Clean the external and internal surfaces of the cabinet with a light soap solution and subsequently wipe dry. Do not spray the appliance with direct jets of water or using high pressure appliances. Do NOT use cleansers containing chlorine or other harsh cleansers, as these can damage the surfaces and the internal cooling system. Clean the condenser and the compressor compartment using a vacuum cleaner and a stiff brush at least once a month.



Cleaning the front glass.

Lift the front glass with both hands for cleaning.



### **SERVICE**

The cooling system is a hermetically sealed system and does not require supervision, only cleaning. If the cabinet fails to cool, check if the reason is a power cut. If you cannot locate the reason to the failure of the cabinet, please contact your supplier. Please inform model and serial number of the cabinet. You can find this information on the rating label which is placed inside the cabinet in the top right hand side.

### **DISPOSAL**

Disposal of the cabinet must take place in an environmentally correct way. Please note existing regulation on disposal. There may be special requirements and conditions which must be observed.



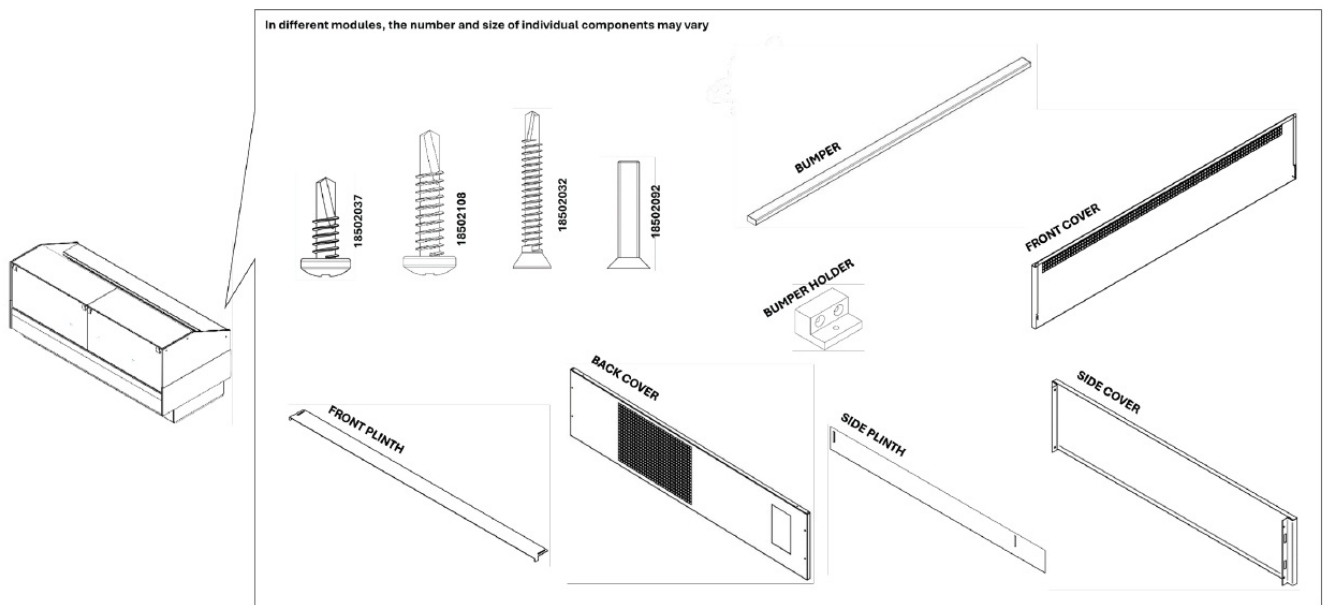
### **PARAMETER SETTINGS**

**SOCA/SOCB – PJEZCOH000**

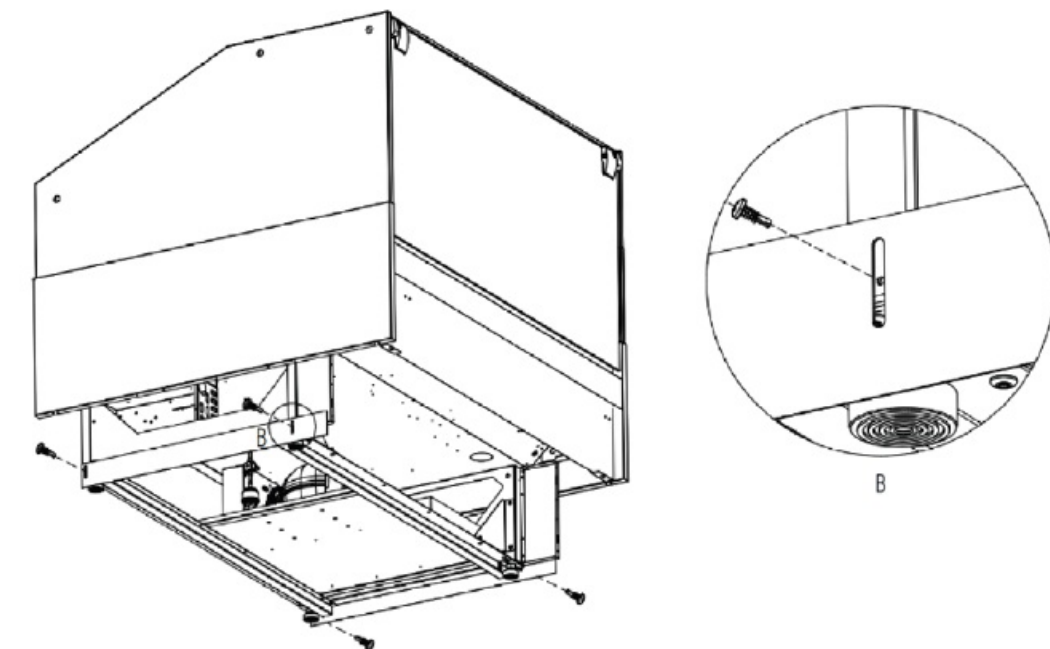
Description	Parameter	Value
Probe measurement stability	/2	10
Probe display selection	/4	1
Unit of measure C/F	/5	0
Decimal point	/6	0
Probe 1 offset	/C1	-1
Probe 2 offset	/C2	0
Probe 3 offset	/C3	0
Set point	St	0
Control differential	rd	1
Minimum set point value	r1	0
Maximum set point value	r2	5
Select direct/reverse operation	r3	0
Night-time set point delta	r4	3
Compressor and fan start delay on power-up	c0	0
Minimum time between cosecutive compressor starts	c1	1
Minimum compressor off time	c2	2
Minimum compressor on time	c3	0
Duty setting	c4	15
Continuous cycle duration	cc	2
Temperature alarm bypass after continuous cycle	c6	2
Type of defrost	d0	0
Interwal between defrost	d1	6
End defrost temperature set point	dt	5
Maximum defrost duration	dP	60
Defrost on power-up	d4	0
Defrost delay on power-up	d5	0
Freeze control temperature display during defrost	d6	1
Dripping time	dd	4
Alarm bypass time after defrost	d8	1
Defrost priority over compressor protectors	d9	0
Defrost probe reading	d/	0
Time base	dC	0
Alarm and fan temperature differential	A0	-2
Low temperature alarm	AL	-2
High temperature alarm	AH	6
Alarm temperature delay	Ad	120
3rd input configuration	A4	0
Digital input alarm delay	A7	0
Enable alarm ED end defrost by timeout	A8	1
Condenser high temperature alarm set point	Ac	70
High temperature condenser alarm differential	AE	5
High temperature condenser alarm delay	Acd	0
Enable evaporator fan control	F0	1
Evaporator fan control set point	F1	10
Stop evaporator fan if compressor off	F2	0
Evaporator fan status during defrost	F3	1
Post-dropping time	Fd	0
Password	Pw	22
Serial address	H0	1
AUX output configuration	H1	0
Enable keypad	H2	1
Disable buzzer	H4	0
Detect changed parameter	H5	0

## INSTALLATION DRAWINGS SOCA

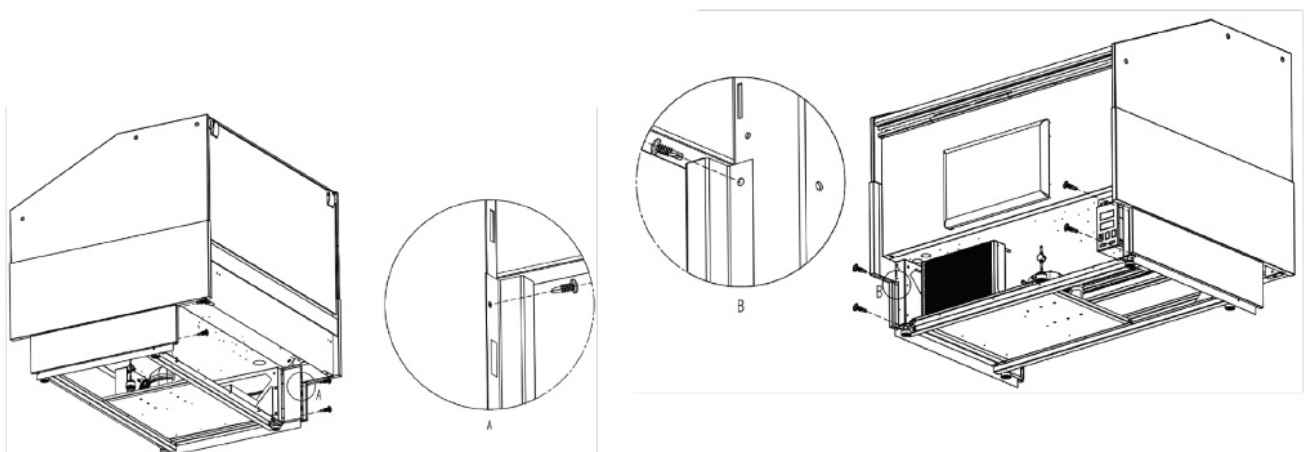
## PARTS



SCREW THE SIDE PLINTHS USING SHEET METAL SCREWS 18502037

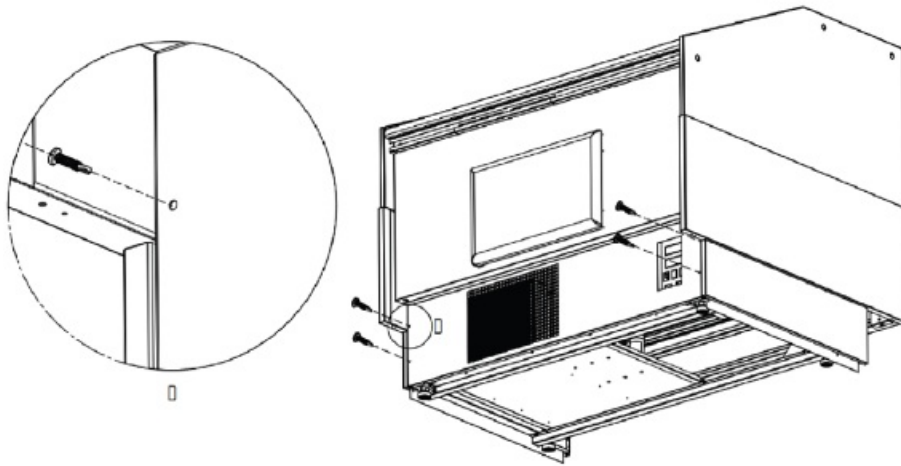


SCREW THE SIDE COVERS USING SHEET METAL SCREWS 18502037

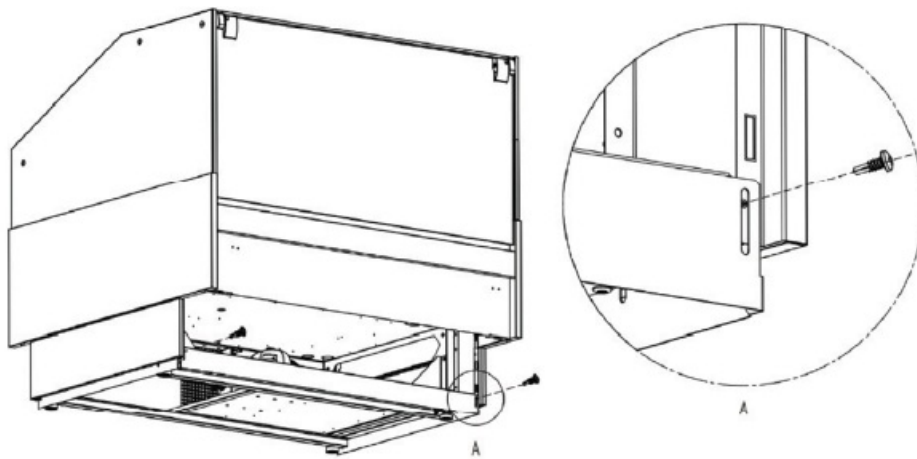




SCREW BACK COVER USING SHEET METAL SCREWS 18502108

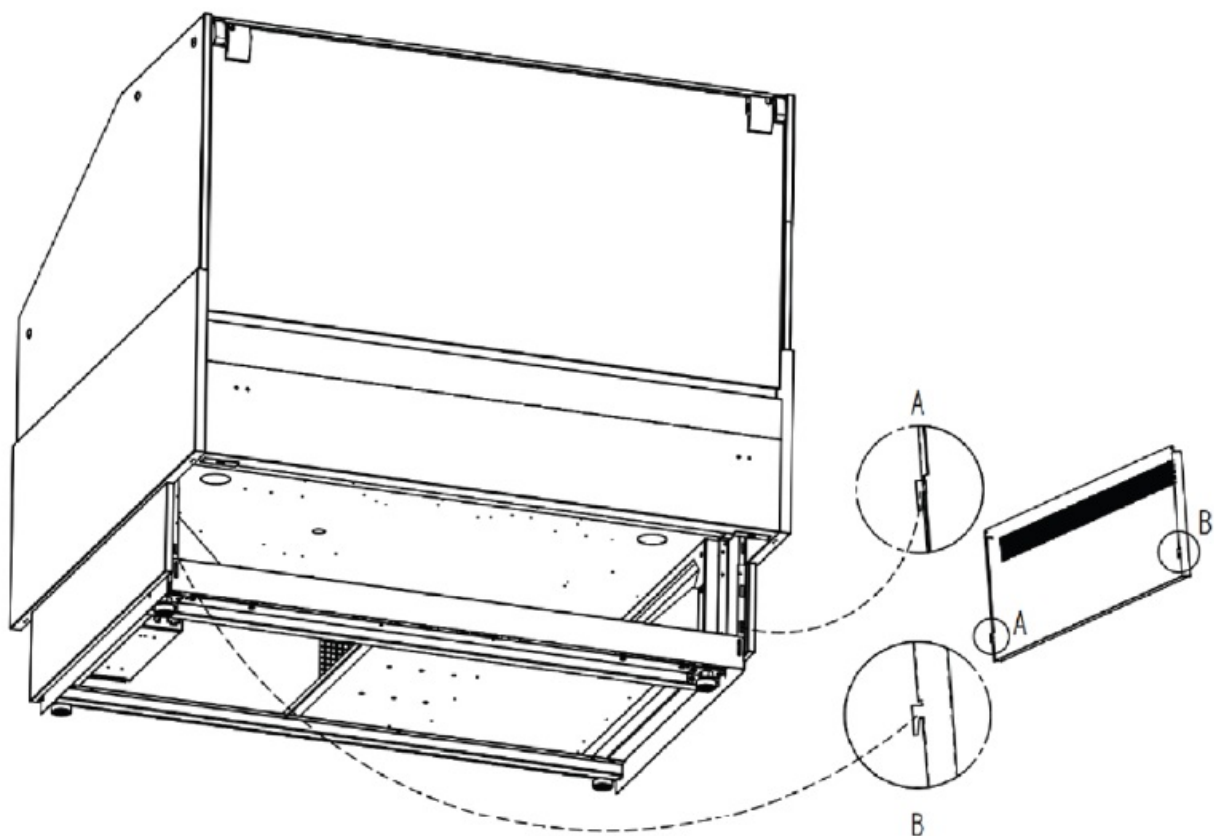


SCREW FRONT PLINTH USING SHEET METAL SCREWS 18502037

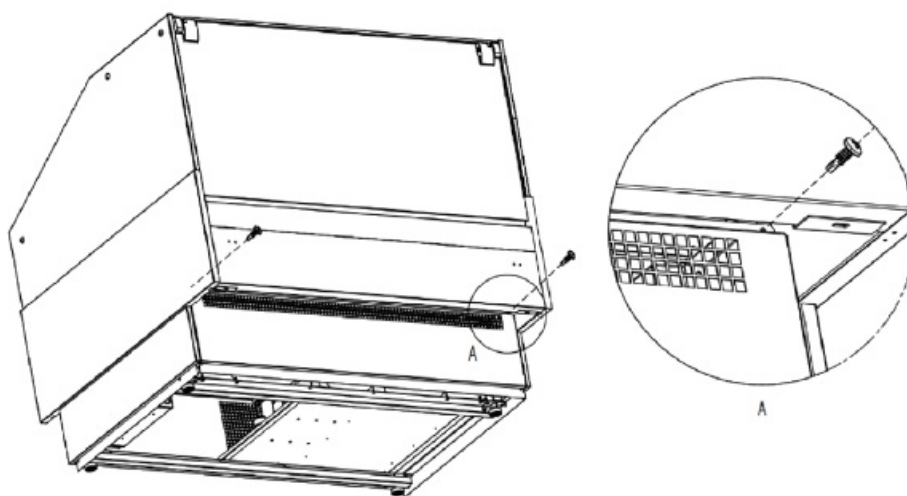


HANG THE FRONT COVER ON SPECIAL HANDLES

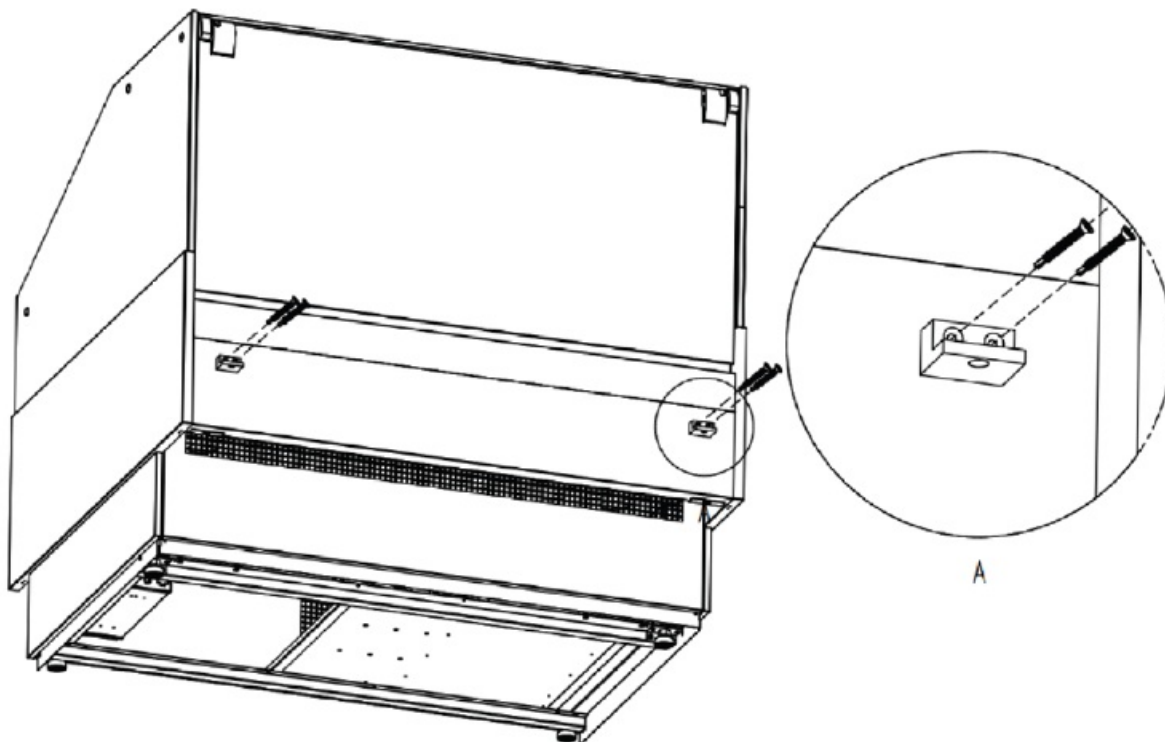




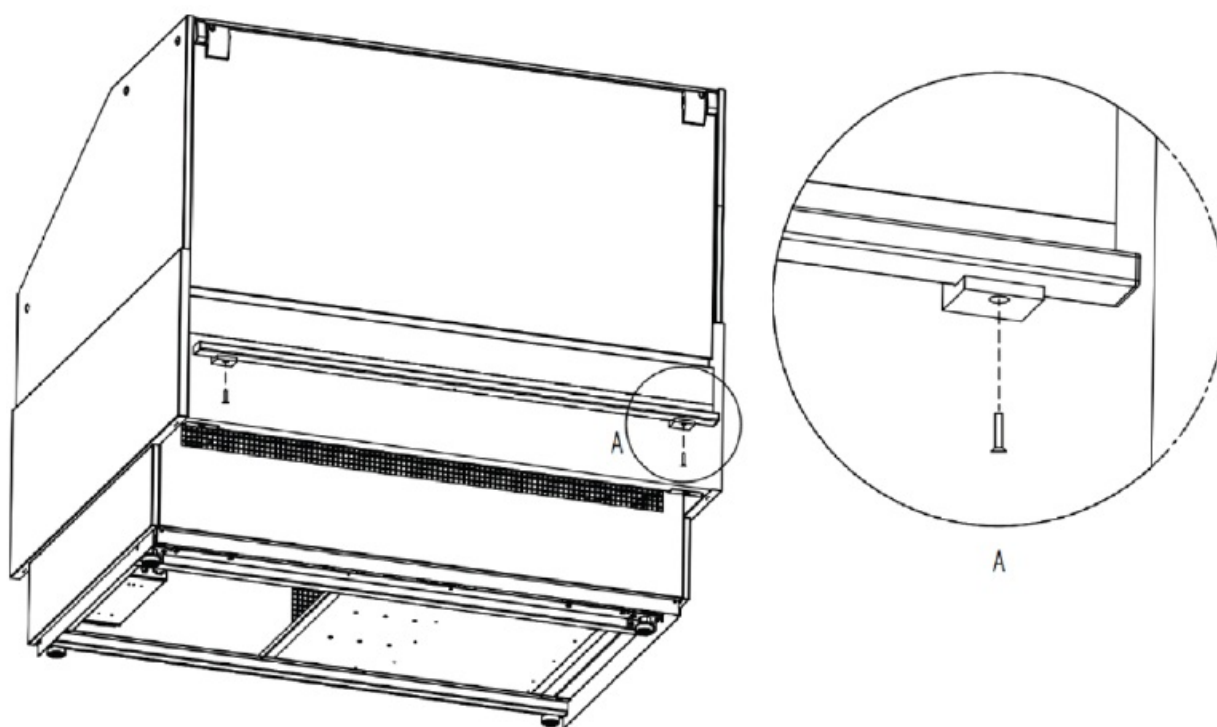
SCREW THE FRONT COVER USING SHEET METAL SCREWS 18502032



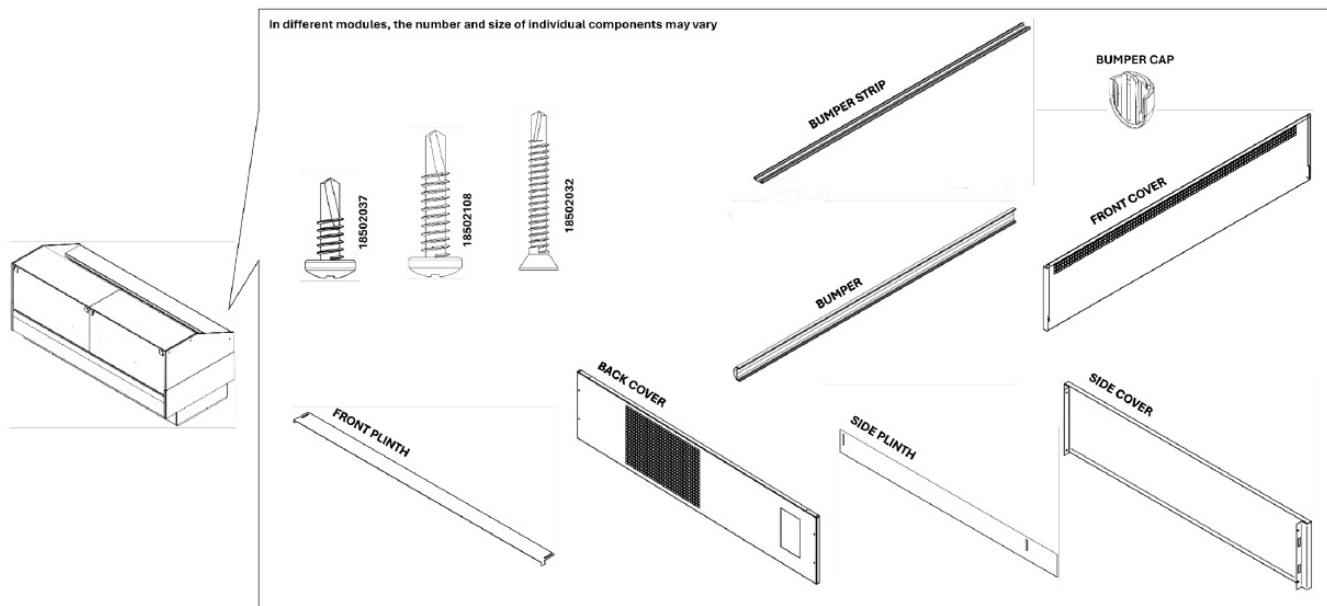
SCREW THE BUMPER HANDLES USING SHEET METAL SCREWS 18502032



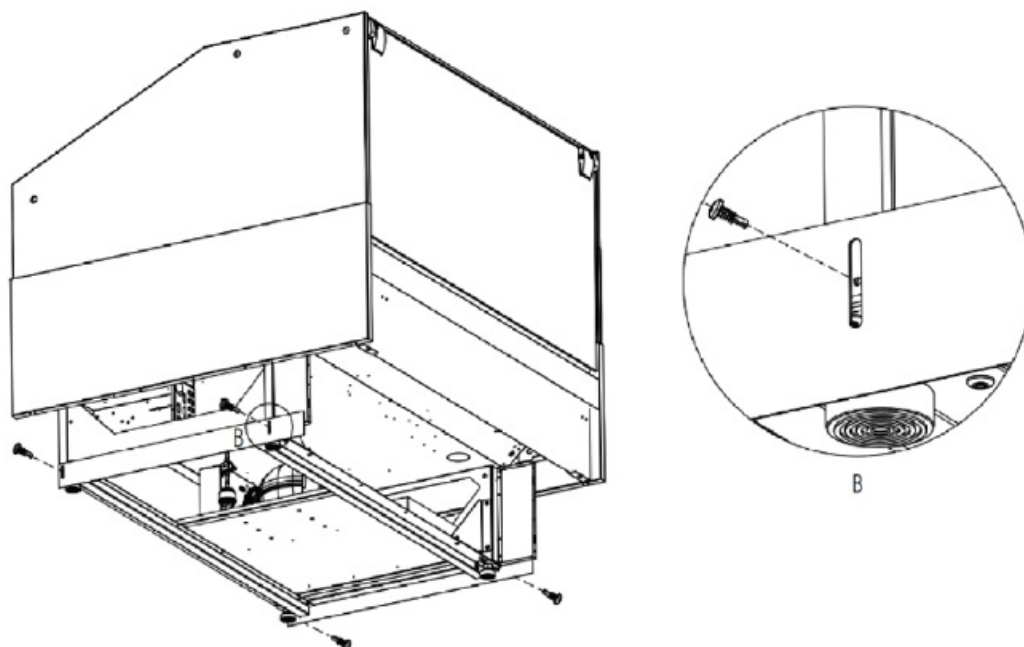
SCREW THE BUMPER TO THE BUMPER HANDLES USING SHEET METAL SCREWS 18502092



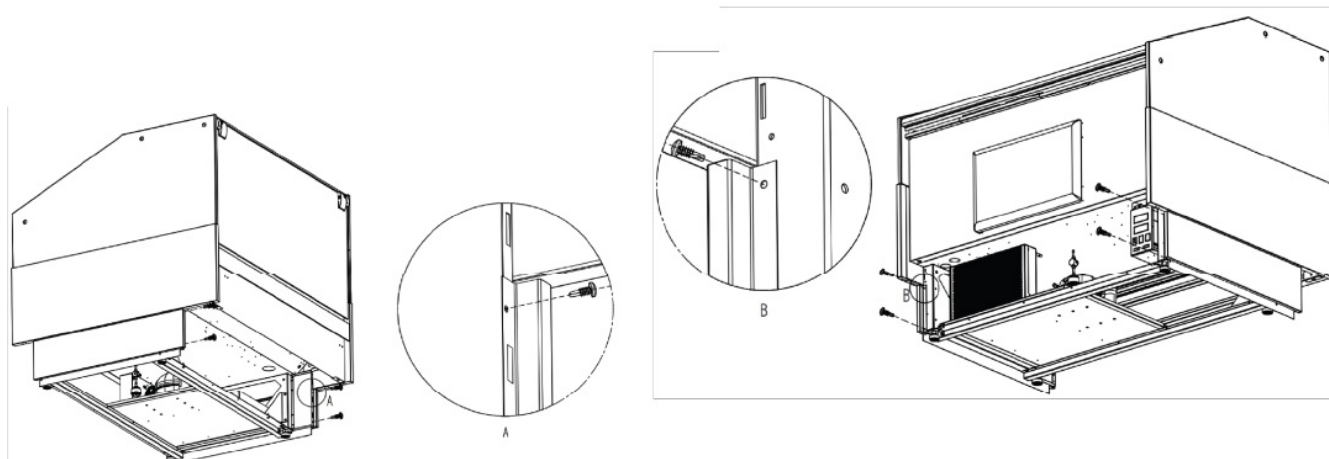
**INSTALLATION DRAWINGS SOCB  
PARTS**



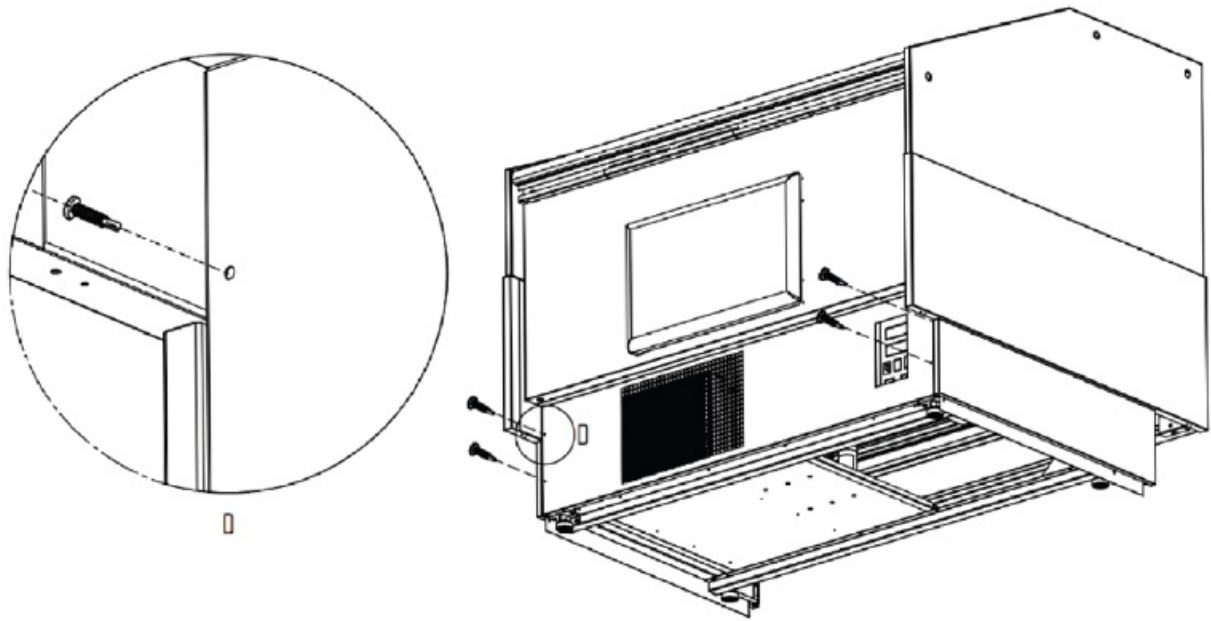
SCREW THE SIDE PLINTHS USING SHEET METAL SCREWS 18502037



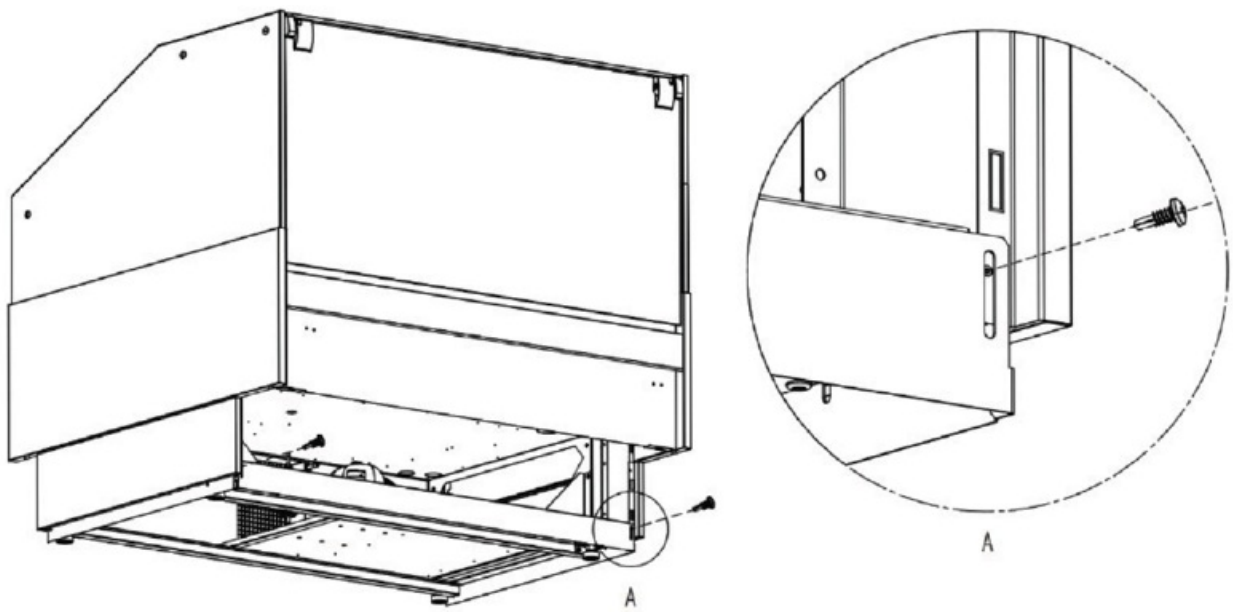
SCREW THE SIDE COVERS USING SHEET METAL SCREWS 18502037



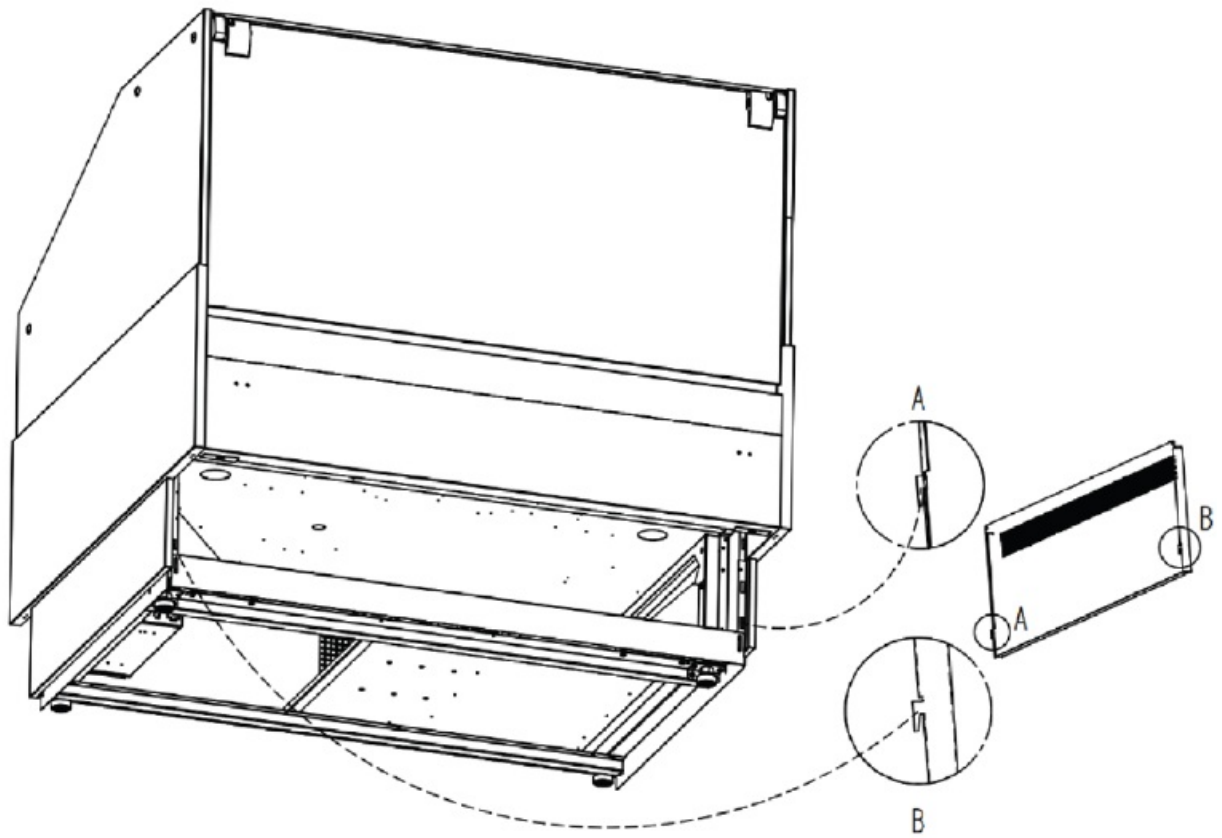
SCREW BACK COVER USING SHEET METAL SCREWS 18502108



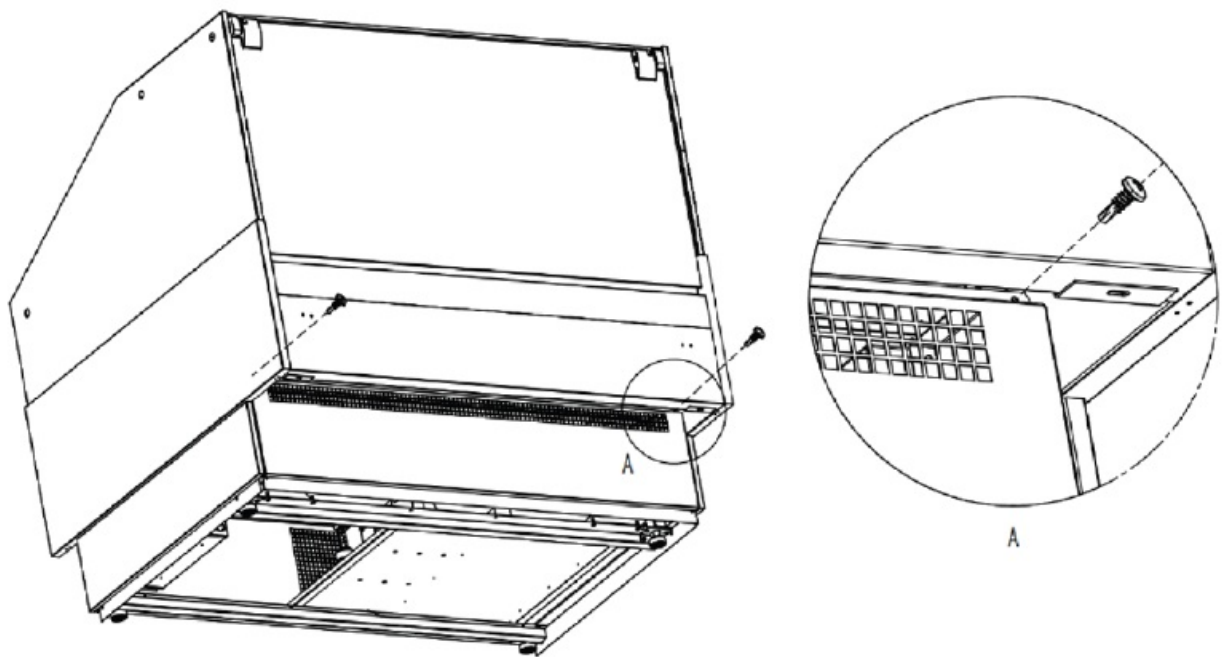
SCREW FRONT PLINTH USING SHEET METAL SCREWS 18502037



HANG THE FRONT COVER ON SPECIAL HANDLES

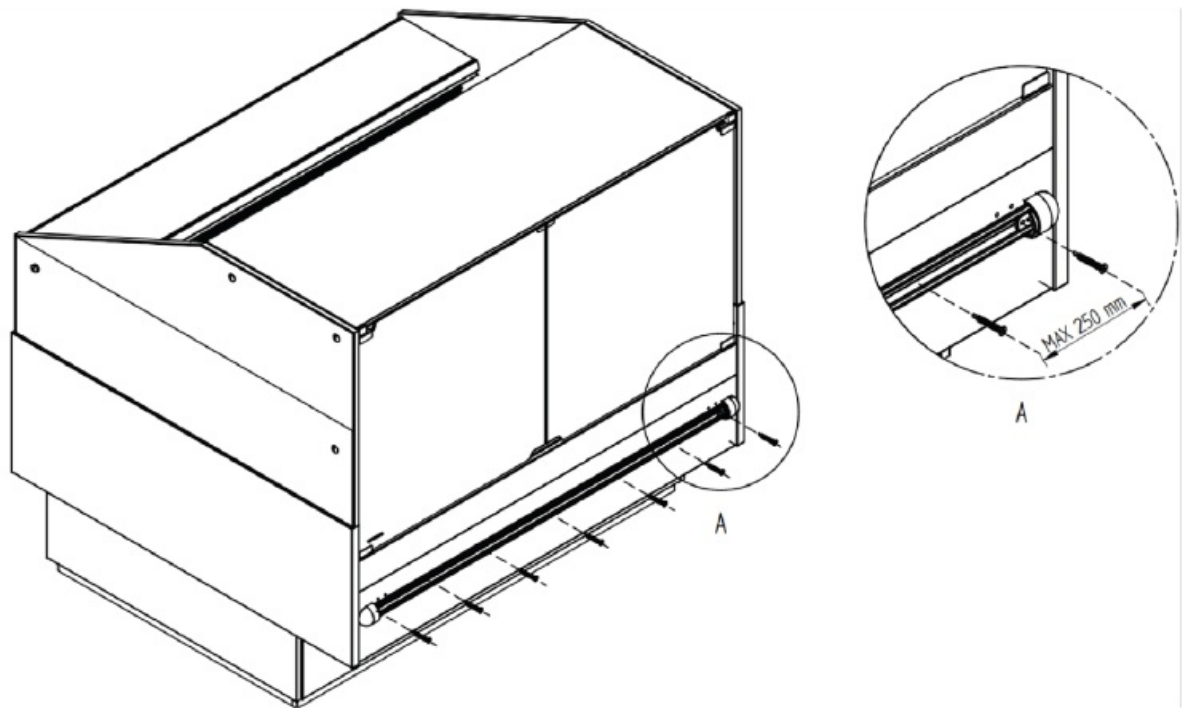


SCREW THE FRONT COVER USING SHEET METAL SCREWS 18502032

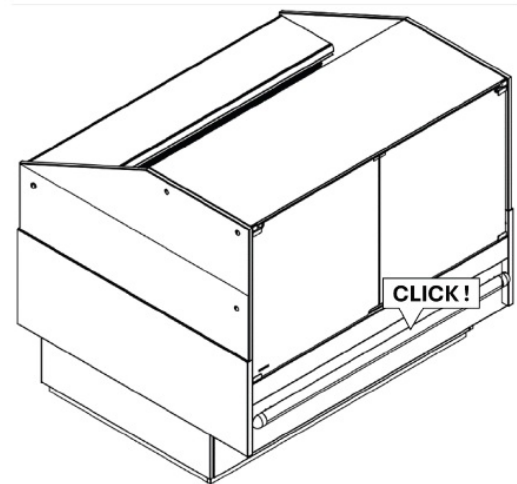
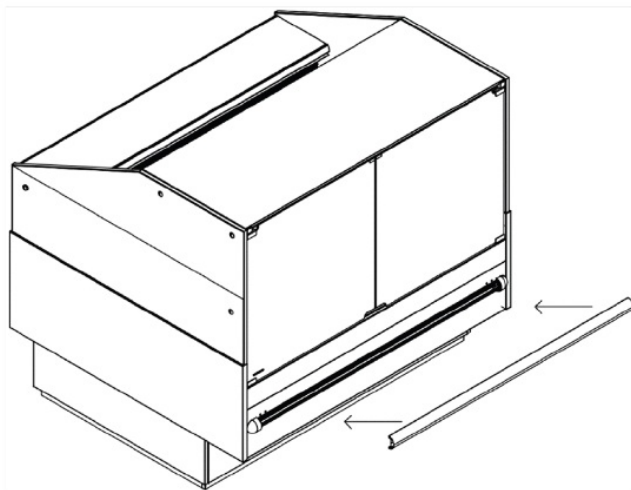


SCREW THE BUMPER STRIP AND BUMPER CAPS USING SHEET METAL SCREWS 18502032



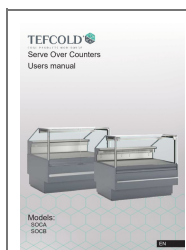


PUT THE BUMP ON THE SCREWED BUMPER STRIP AND CLICK



Specifications subject to changes without prior notification.  
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## Documents / Resources



[TEFCOLD SOCA18790A Serve Over Counters](#) [pdf] Instructions

SOCA18790A, SOCB, SOCA18790A Serve Over Counters, SOCA18790A, Serve Over Counters, Over Counters, Counters

## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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