



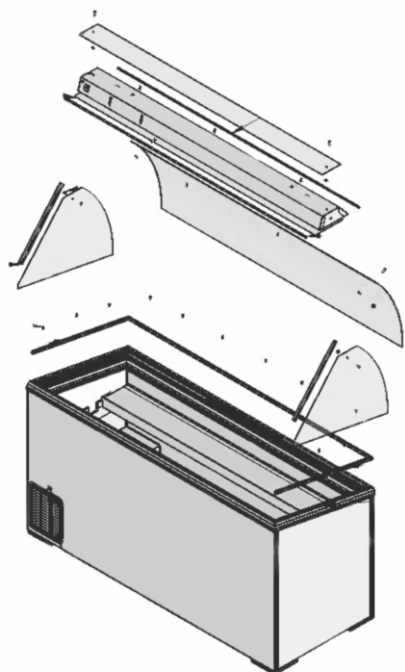
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## **ICE-CREAM FREEZER GLASS OPERATING MANUAL**



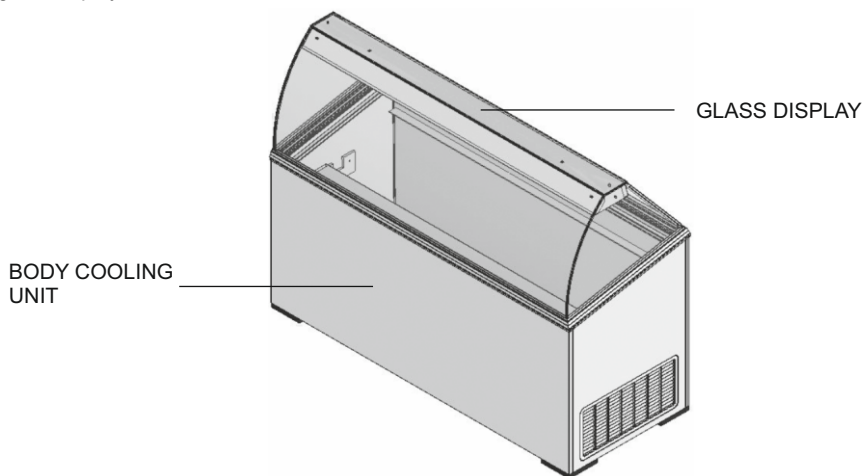
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## 2. The final appearance of ice-cream freezer

The final appearance of ice-cream freezer is shown in Picture-1 after the mounting of ice-cream freezer glass display is finished.



Picture 1

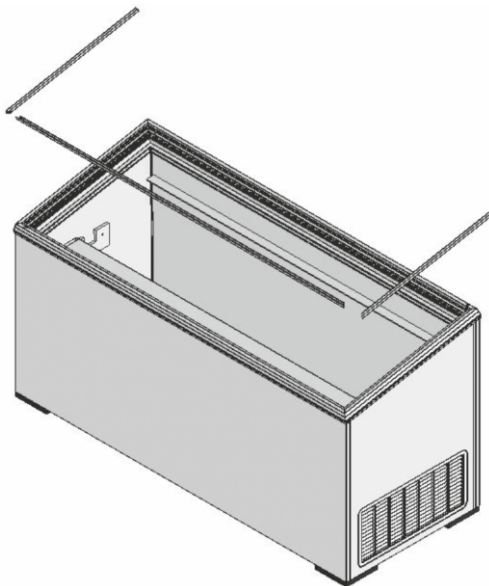
## 3. Required tools for mounting

1. Charged or electricity drill
2. 2,5mm drill bit
3. Charged screwdriver
4. Thin star bit + M6 Socket wrench
5. Transparent silicon ( adhesive feature ) and silicon gun
6. PVC band

Demounted figure of glass display is shown in picture-2.

#### 4. Mounting steps

##### a. Mounting of Al glass fastening profiles.



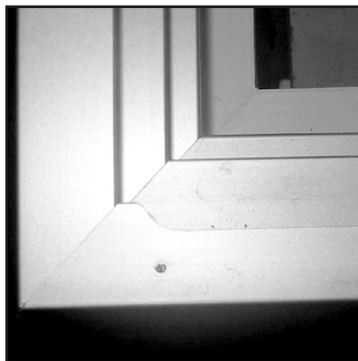
Firstly, 3, 4 and 5 numbered Al profiles will be mounted to the 2 numbered body frame of the freezer. The steps to be followed are given below:

-5 numbered front Al profile is placed and fastened to 2 numbered body frame at the front section which is the lower part of the body in such a way that corner connections are placed equally.

After this process, hole positions are marked with a pen or a tool like that on the body frame. (See pictures A1, A2)

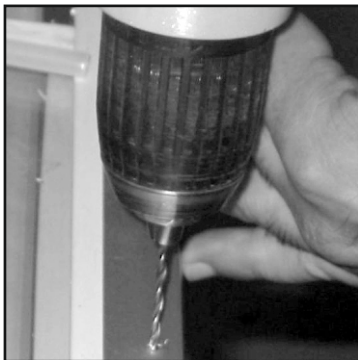


Picture-A1



Picture-A2

-After marking process, screw holes will be drilled on the marked spots with 2,5 mm drill bits (see picture A3)



Picture-A3

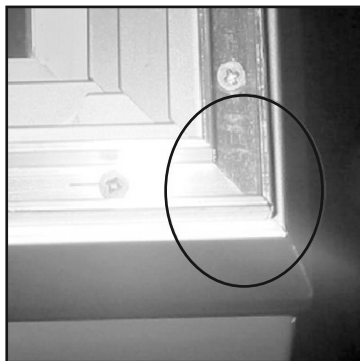
-The holes of the 5 numbered Al front glass profile are leveled with the drilled holes, they are fastened with 6 2, 9×16 screws.

-Marking and drilling processes will be the same for right-left Al glass fastening profiles. 3 2, 9×16 screws will be used for each.

**ATTENTION** Holes must be drilled properly or corner joints at the right and left sides must be as they are shown in the picture A 4.

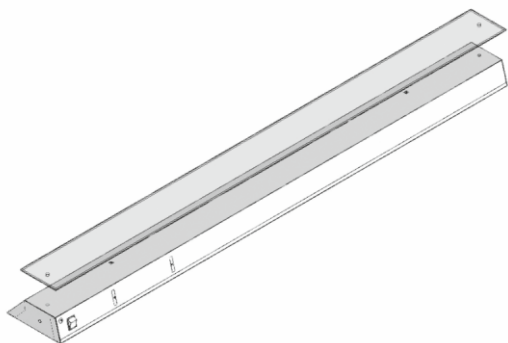


Picture-A4



Picture-A5

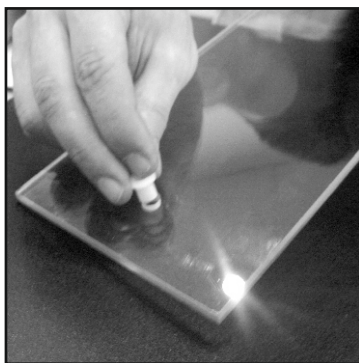
## B. Mounting of enlightened glass support sheet and front glass.



Procedures which must be followed in the second step are given below:

Glass display glasses are all tempered glasses. For this reason, post contact with metal must be prevented; otherwise there is an explosion risk.

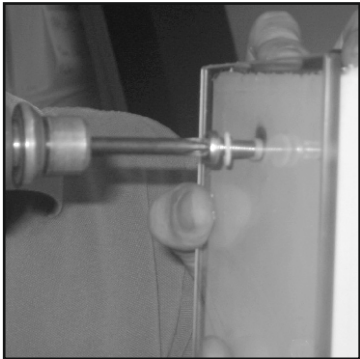
-In glass joints, contact of plastic nuts found in the upper group packet of Ø8 holes in glass with glass-nut will be prevented.(see Picture B1)



Picture-B1

-Protective film found in glass support sheet must be removed before montage. Nut bearings are placed in such a way that they are positioned equally and in balance with the holes of installed 13 numbered glass and the holes of 12 numbered enlightened sheet. After this process, 8 numbered nut and plastic nut housings are screwed as it is shown in picture B2.

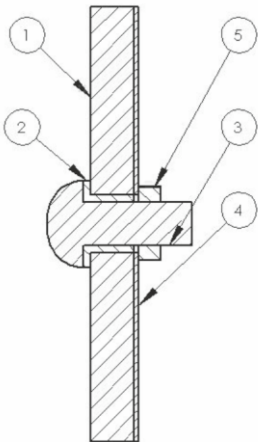
After 2 nuts are screwed, 9 numbered M6 hexagon headed nuts are screwed through enlightened sheet as it is shown in Picture B3. Profile of sample glass connection has been given in Picture B4. 6 connections in glass group mounting will be made as it is shown in the profile.



Picture-B2



Picture-B3

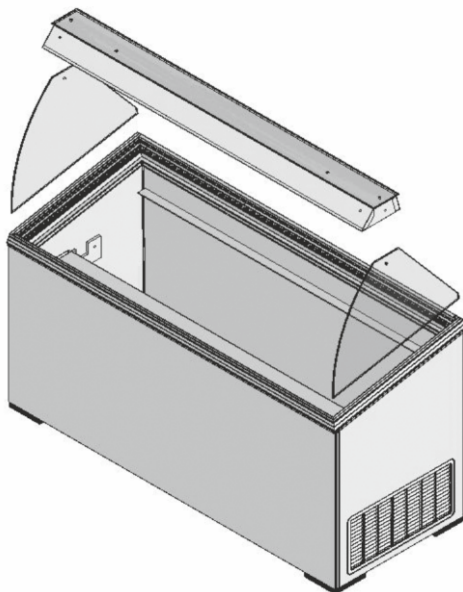


|   |                     |
|---|---------------------|
| 1 | GLASS               |
| 2 | PLASTIC NUT HOUSING |
| 3 | M6 NUT              |
| 4 | GLAS SUPPORT SHEET  |
| 5 | M6 BOLT             |

Picture-B4

**ATTENTION:** Plastic nut housings must be installed into the holes in the glass and the nuts and the bolts connecting the glass and the sheet must not be screwed much more than it should be. Besides this, protective film of glass support sheet must be removed before mounting.

**C. Mounting of Right-Left glass and mounted upper glass +enlightened glass support sheet.**



Required materials for C group mounting are given below in order:

Transparent silicone is sprayed along the whole canal in Al profiles mounted on the body frame which are located in the glasses.(see Picture C1)



Picture-C1

-After silicone is sprayed, one of the 6 numbered right-left glasses is placed in the canal in such a way that radius part comes to the front .(see Picture C 2)Here, 8 numbered nut and plastic nut housing will be fastened into the holes according to the processes carried out in the upper glass.



Picture-C2

-Glass and the holes, the nuts of which are fastened in such a way that enlightened glass support sheet mounted in section b of mounting instruction and upper glass angled section are positioned at the front are leveled and 9 numbered bolt is mounted through 12 numbered glass support sheet as it is shown in picture C3.

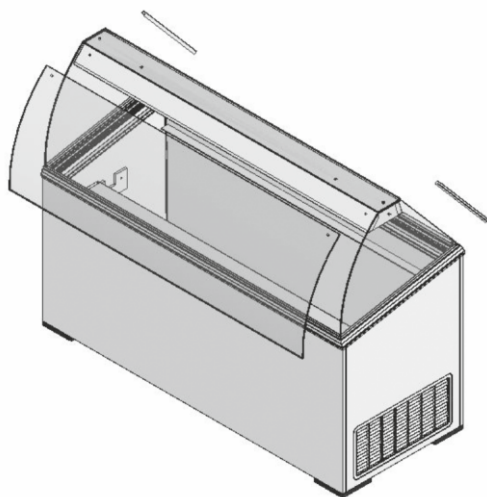


Picture-C3

- The mounting of the other 9 numbered glass is made in the same way and c section of the mounting is completed.

**ATTENTION:** Protective film on the support sheet must be removed at the point mounting and be held in parallel to the ground through an instrument.

#### D.Mounting of front round glass.



-The first thing to be done is that front round glass is installed into the 5 numbered front glass Al profile fastened on the body in such a way that its holes are fastened as it is shown in Picture D1.

-Secondly, glasses are fastened to glass support sheet by 8 numbered plastic nut housing and M6 nut and 9 numbered M6 bolt are being used. (see Picture D2.)



Picture-D1



Picture-D2

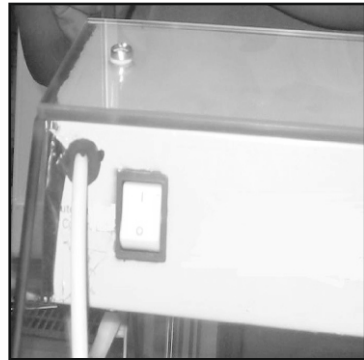
**ATTENTION:** Radius of front round glass and the radius of right-left glasses must be parallel to each other. Required adjustments are made after nuts are fastened before silicone is dried, and it must be fastened with a band until silicone is dried as it is shown in picture D3.



Picture-D3

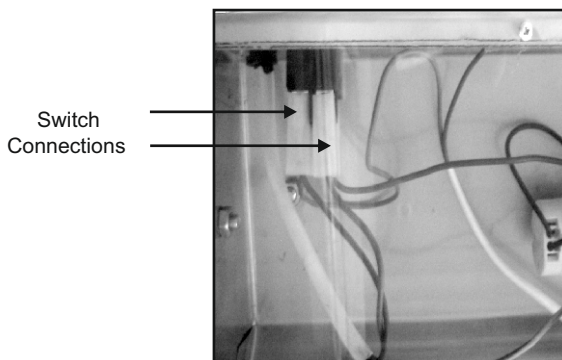
**e.Connecting lighting cord and installing right-left side profile.**

- Firstly, the cord coming out of the body, earthing cord and the sockets are passed through the black coupling one by one in the hole found near the switch button of 12 numbered glass support sheet as it shown in picture E1.



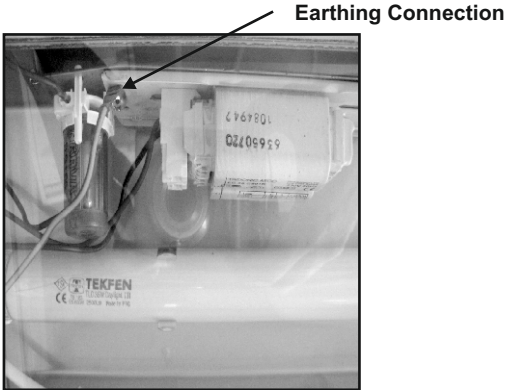
Picture-E1

- Covered tips at the end of the cords are fastened to the empty entry tips in on-off buttons. (see picture E2)



Picture-E2

-Earthing cord (yellow-green) at the end of the cord is fastened to the male terminal located on ballast sheet. (See. Picture E3)



Picture-E3

-At the mounting of 10 numbered right-left glass side profile, for the side where cord is passing, cord, firstly, is put in the canal in the profile. Later, for mounting on the glass, transparent silicone is sprayed to side of the glass and the cord is stretched (for the full installation on the glass by being positioned in the canal) and is mounted on the glass. (see Picture 4)



Picture-E4

#### f. Installing lexan group.

- At the last part of themounting, 16 numbered lexan is fastened with 14, 15 numbered lexan grippers. 6 17 numbered 2, 9\*13 screws in total, 3 screws for the front and 3 screws for the back are used for fastening.
- Before lexan installation, freezer is connected to the power system in order to check whether lighting system is operating and the electric connections are right and proper.
- If there is not wrong with lighting system, power is disconnected. 15 numbered front lexan gripper must be fastened in such a way that it is placed between 11 numbered front round glass and 12 numbered glass support sheet. Later, lexan is placed between them and is fastened with 17 numbered 2,9\*13 screws.(see Picture F1)



Picture-F1

**ATTENTION:** The holes below lexan gripper and glass support sheet must correspond to each other and must position inside lexan and while it is being fastened with screw, screw must pierce lexan and place in the screw hole in glass support sheet. The purpose here is to prevent hand and other tools from entering lighting unit. Protective films on lexans must be removed before mounting.

- Mounting of 14 numbered back lexan will be the same as the front lexan. Holes must correspond to each other and position in lexan. While doing this, back fold of the glass support sheet must be manually pushed and positioned in lexan and it must be screwed in such a way that it grips lexan.