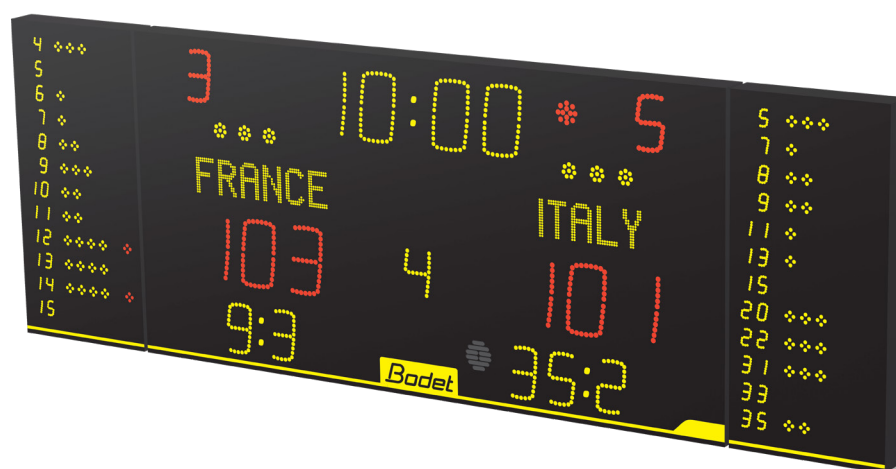


# 8000 Sports Scoreboards



## Installation manual



[www.bodet-sport.com](http://www.bodet-sport.com)

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Ref: 608080 N

Upon receipt, always check the product for damage during shipment, if any is found you may file a damage claim with the carrier.

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## 1. INTRODUCTION

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We would like to thank you for choosing a BODET scoreboard.

This product has been carefully designed to meet your needs in accordance with ISO 9001 quality standards.

We recommend reading this notice carefully before beginning installation.

Retain this manual throughout the lifespan of your product so that you can refer to it when necessary.

Non-contractual data. Bodet reserves the right to make certain functional, technical, design and colour changes to its devices without prior notice.

**Failure to follow these instructions may cause irreversible damage and invalidate the warranty.**

## 2. ELECTRICAL AND MECHANICAL SAFETY STANDARDS

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This equipment should be installed and maintained by qualified personnel.

As 8000 sports scoreboards are connected to the mains electricity supply, they must be installed in compliance with IEC 364 (NFC 15.100 in France).

Indoor installation (the scoreboard is protected against ball impacts to DIN 18032.3 standard).

The scoreboard mains power supply must include an easily accessible phase/neutral 16A circuit breaker upstream of the power feed.

The equipment must be installed and all electrical connections done before turning on the power.

It is strictly against manufacturer's guidelines and dangerous to immerse the scoreboard in water or to clean it with a hose.

Earth connection at installation uses either the TT or TN system.

Bodet accepts no liability for any usage not in accordance with these instructions.

Any modification to the product will invalidate the guarantee.

## 3. UNPACKING

---

**Packaging:**

Packaging of the  
central panel and of  
the mounting bracket



Packaging of other modules

## 4. REQUIRED TOOLING

Here is the list of the tools needed for all the Bodet brand scoreboards:



## 5. INSTALLING 8000 SCOREBOARDS

This chapter presents the installation method for central boards in the 8000 range: 8020, 8025, 8T120 and 8T125. The mounting principle as well as the dimensions (and centre distances) are identical for models 8020, 8025, 8T120 and 8T125.

4 types of mounting exist:

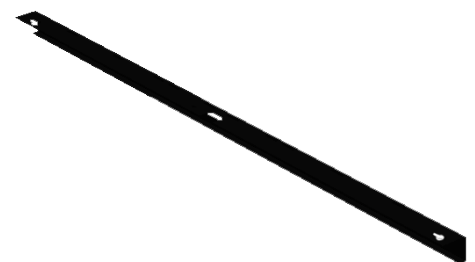
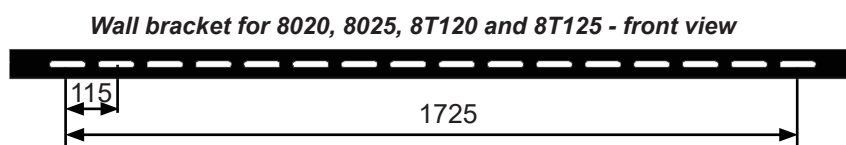
- wall bracket mount (supplied with each scoreboard 8000)
- adapter kit for mounting on BT6000 wall bracket (ref.: 916 427)
- suspended mount
- 4-point wall mount

**Advice: we recommend that the entire scoreboard (with additional panels and/or personal fouls panels) be first assembled on the ground. Then lift the assembly to its location.**

### 5.1 Attachment to wall bracket (Ref.: standard scoreboard reference)

#### NO 1 MOUNTING: CHERRY PICKER AND LIFTING JACK

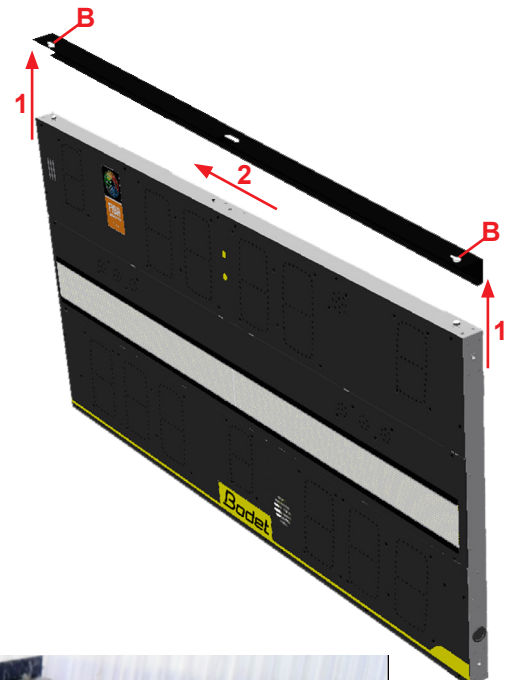
1) Attach the bracket to the wall using the  $\varnothing 11$  mm holes (A).



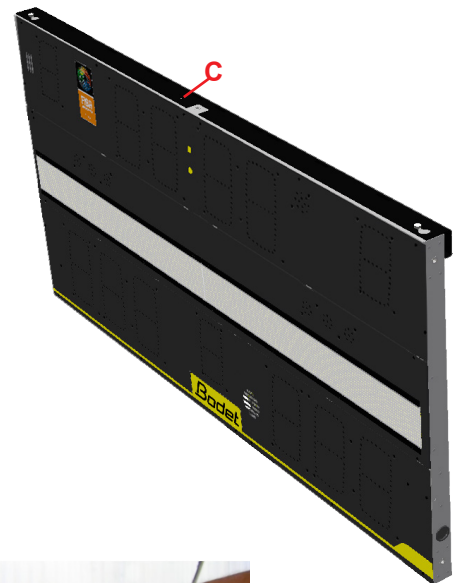


- 2) Install the scoreboard sliding it into the wall bracket keyhole slots (B).

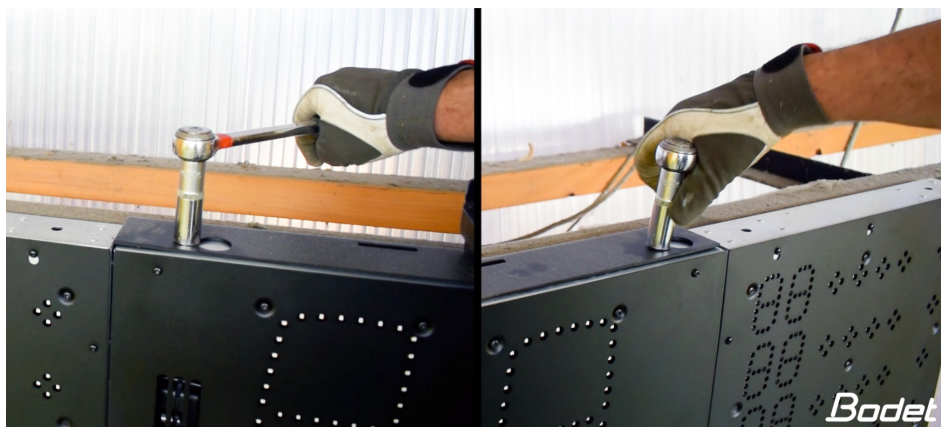
**Caution:** run the cables before attaching the scoreboard to the wall (power cables and console cable in case of wired communication).



- 3) Lock the board to the wall bracket by tightening the screw (C).



- 4) Put in and tighten the screws at each end of the board:



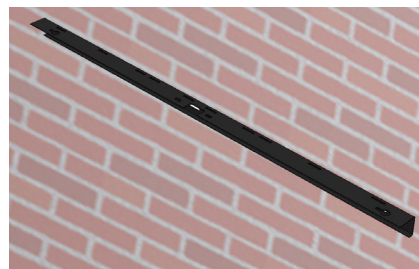
- 5) Make the electrical connections. See pages 14 to 16.

## 5.2 - Mounting on existing BODET wall bracket (ref: 916 427)

If a 8000 range scoreboard is to be installed in place of a scoreboard of an older range, it is possible to adapt the installation without having to get rid of everything of the old installation.

1) Remove the entire existing scoreboard and its fasteners.

**IMPORTANT: leave only the wall bracket in place:**



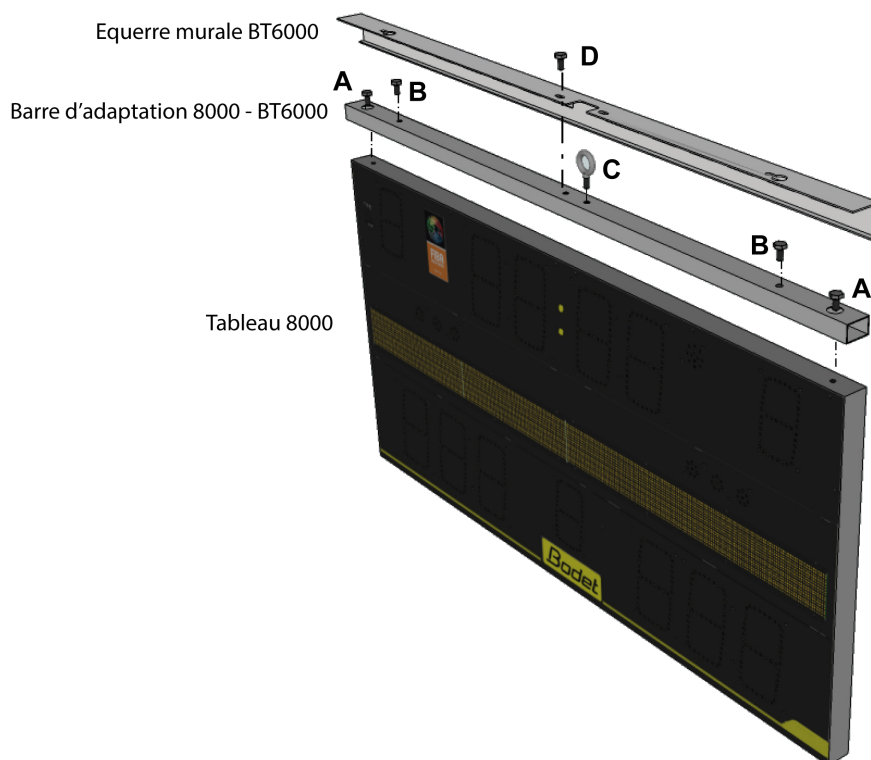
2) Install the tube interface BT6000- 8000 on top of the 8000 scoreboard using 2 screws M10x30 an A.

3) Put 2 screws M10 in B without tightening then all the way.

4) Use the eye bolt C to lift the scoreboard to existing BT6000 wall bracket. See steps 2 to 7 in pages 5 and 6 for this operation.

5) Engage the B screws through the keyhole slots of the wall bracket and slide the scoreboard to the left.

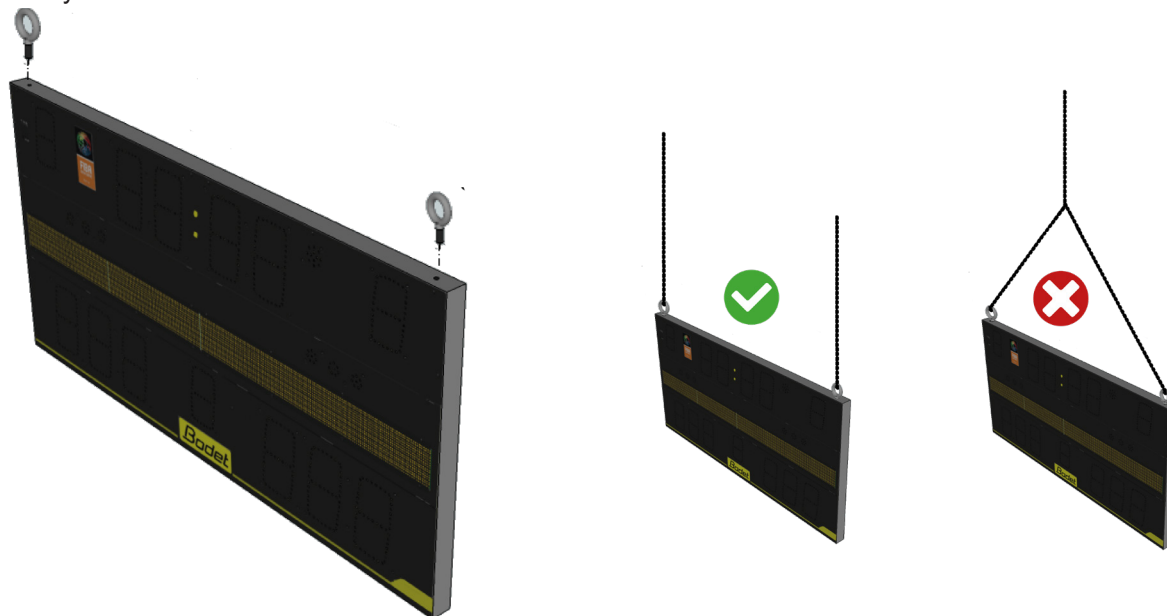
6) Tighten the B screws and install the safety screw D.



### 5.3 - Suspended mount (ref: 916 426)

Suspended mounting requires a lifting solution, which must be determined and installed by the client.

1) On the ground, attach the lifting eye bolts (ref: 916 426) to the top of the scoreboard. Centre to centre dimensions between eye bolts: 1906 mm



2) Attach the two quick links to the lifting eye bolts.

3) Operate the winches to mount the board to the desired height.

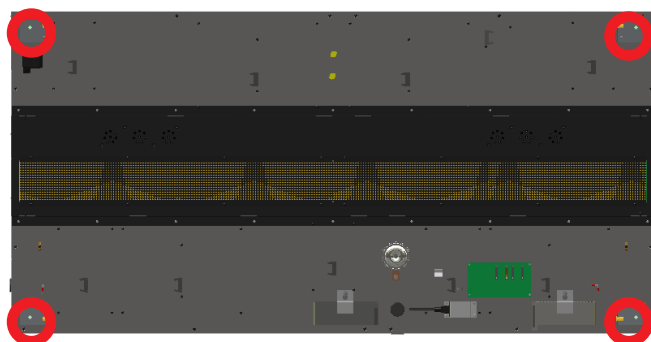
**Note: it is possible to lift the scoreboard with only one central hooking point. Install one lifting eye bolt and a quick link**

**Activate the hoist to lift the scoreboard.**

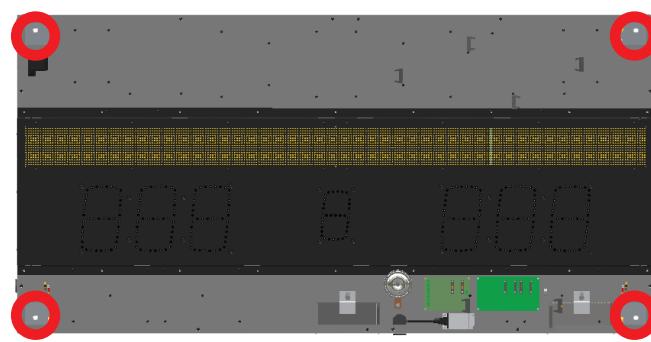
### 5.4 Mounting from the back (Ref.: standard scoreboard reference)

This method consists on mounting the scoreboard against a metallic structure.

1) Remove the cover on each corner of the scoreboard in order to access the mounting holes:

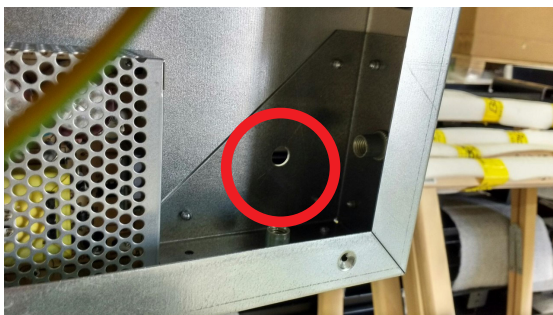
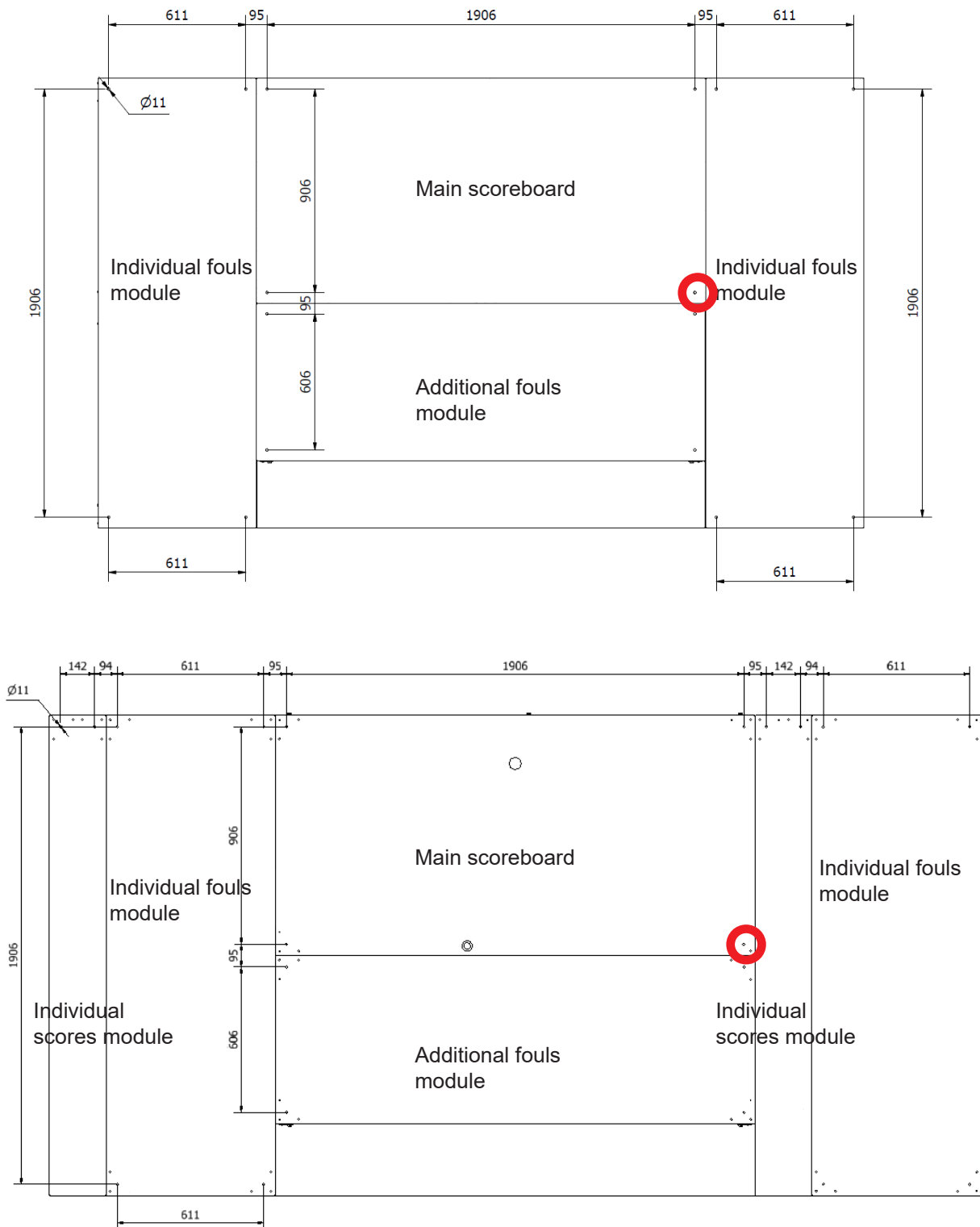


80xx scoreboards



8Tx or 8NTx scoreboards  
(Only one electronic card for the 8T120 SOLO)

2) Mount the scoreboard according to the following dimensions:



Front view



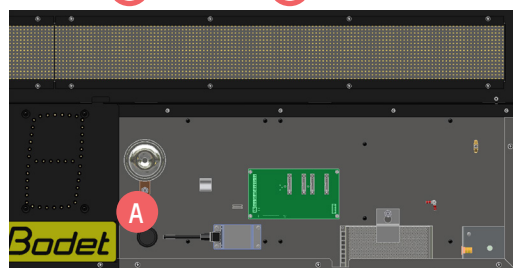
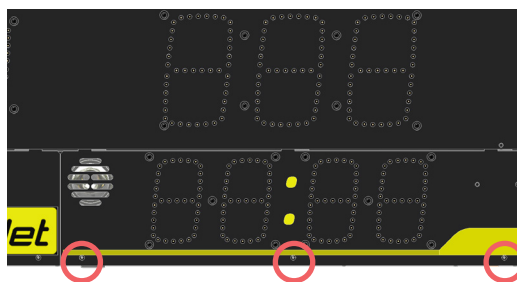
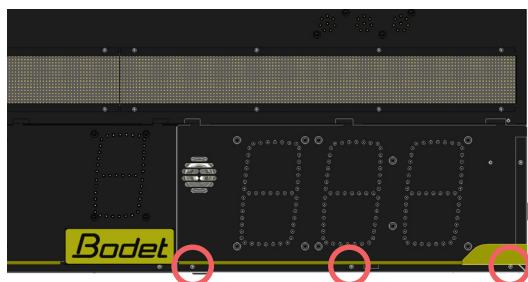
Rear view



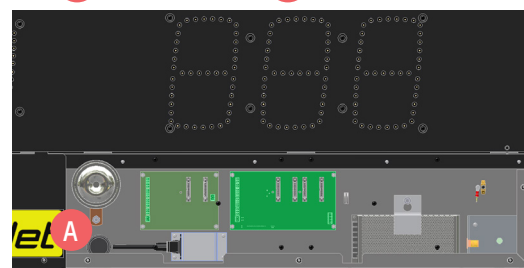
## 5.5 Electrical connections

### 5.5.1. HF installation

1) Remove the lower right hatch by the 3 screws («Guest score» hatch or «Guest penalties» hatch according to the scoreboard model):



80xx scoreboards



8Txx or 8NTxx scoreboards  
(Only one electronic card for the 8T120 SOLO)

2) Feed the power cable through the grommet:

- feeding through the back (A)
- feeding through the bottom (B)

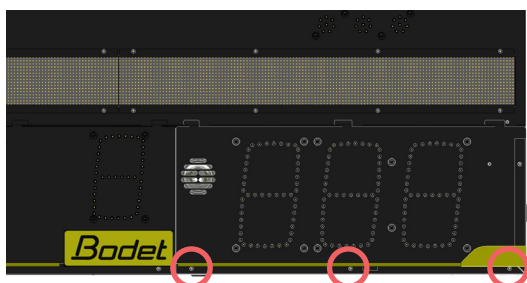
3) Connect the cable to the electrical main (100-240VAC power supply).

4) Put the hatch back in place.

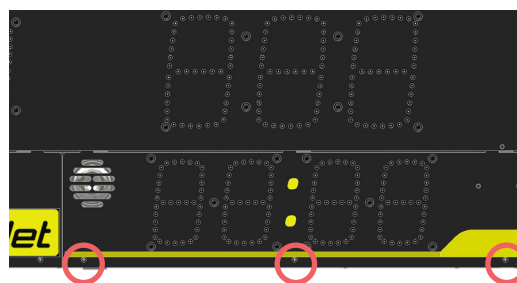
The parameter setting of the HF communication is done on the Scorepad keyboard. Refer to the keyboard manual.

### 5.5.2. Wired installation

1) Remove the 3 lower screws («Guest score» hatch or «Guest penalties» hatch according to the scoreboard model):



80xx scoreboards

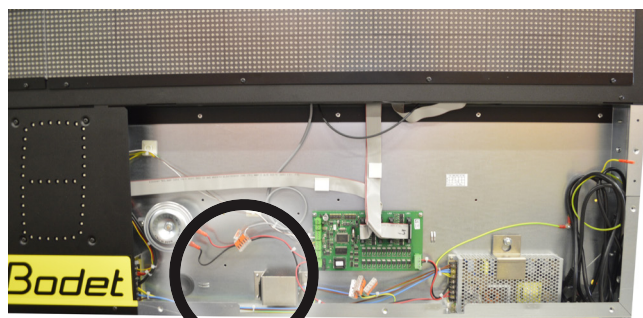


8Txx or 8NTxx scoreboards  
(Only one electronic card for the 8T120 SOLO)

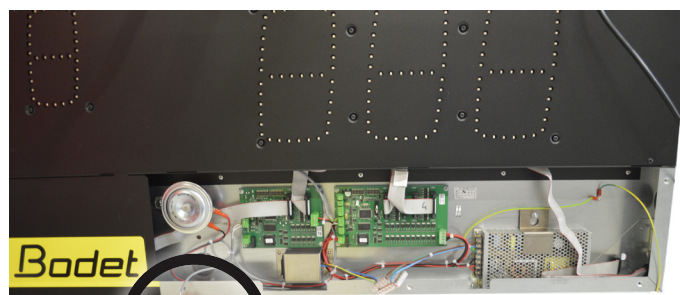
2) Swing the hatch upward.

Connect the 2 wires (brown and white) on the lever connectors, for the keyboard communication coming from the DIN type wall outlet.

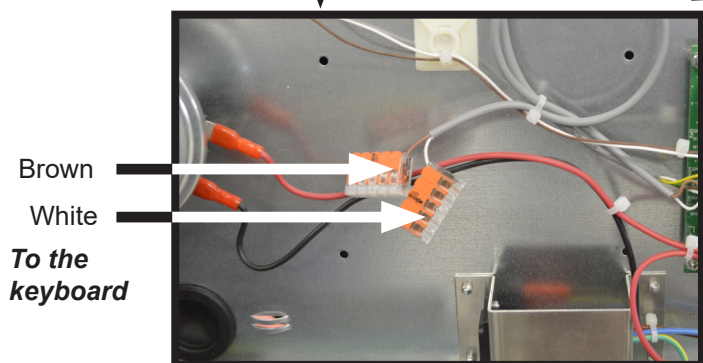
> Observe the colours for connection.



80xx scoreboards

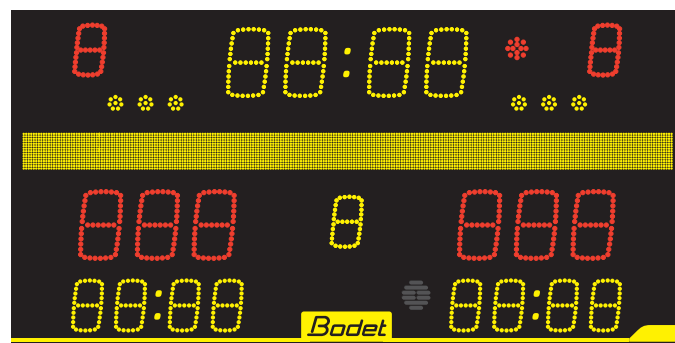
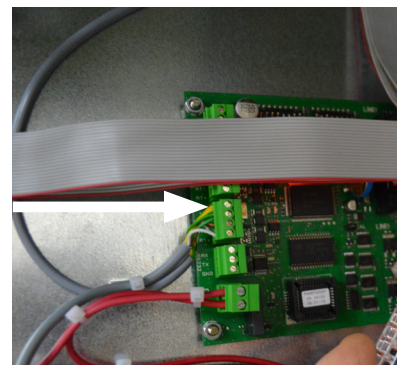


8Txx or 8NTxx scoreboards  
(Only one electronic card for the 8T120 SOLO)

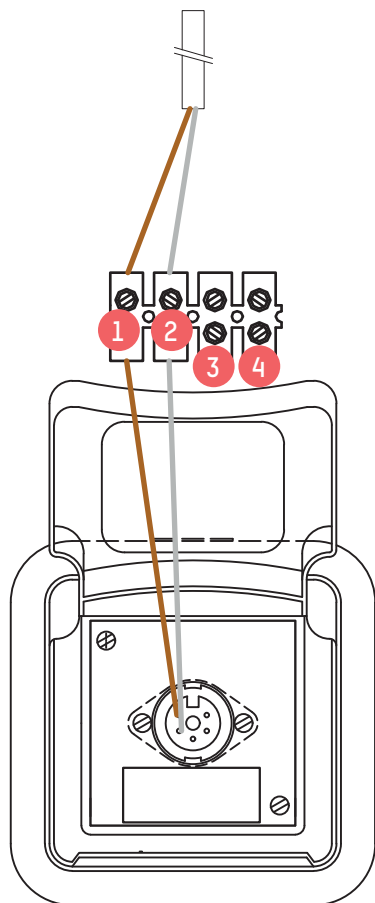


Brown  
White  
To the  
keyboard

NOTE: disconnect the  
yellow and green  
wires from the HF  
MODEM connector



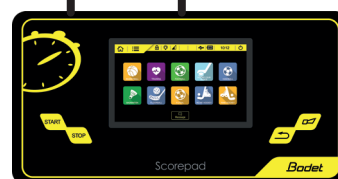
Main scoreboard



- 1 Brown
- 2 White
- 3 Unused.
- 4 Unused.

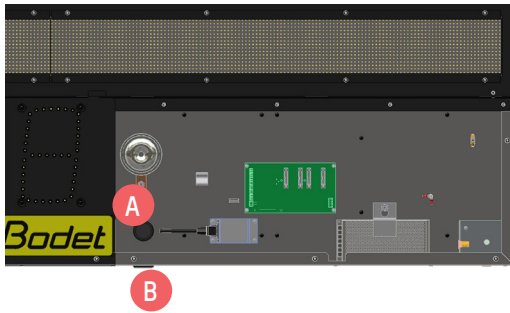


DIN wall outlet

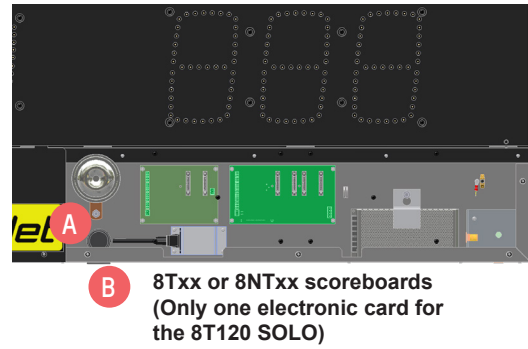


Main keyboard

- 3) Feed the power cable through the grommet:
- feeding through the back (A)
  - feeding through the bottom (B)



**80xx scoreboards**



**8Txx or 8NTxx scoreboards  
(Only one electronic card for  
the 8T120 SOLO)**

- 4) Connect the cable to the electrical main (100-240VAC power supply).  
5) Put the hatch back in place.

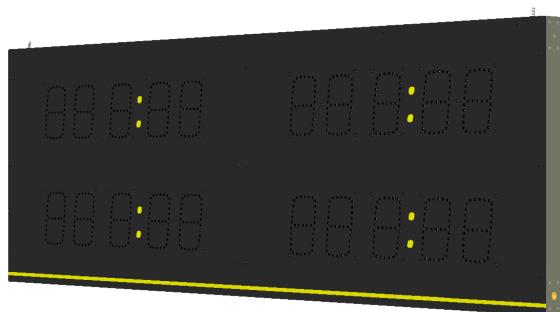


## 6. INSTALLING ADDITIONAL MODULES

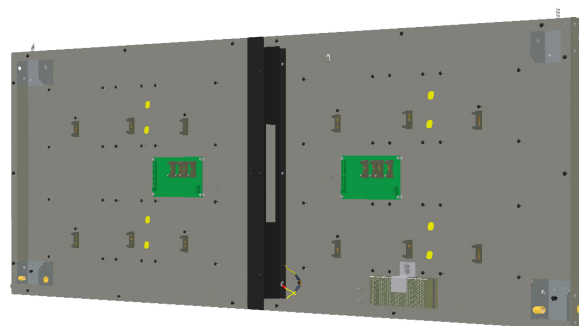
This chapter explains how to install a 8000 series additional module. Mounting instructions are identical regardless of the scoreboard model: 2NT15, 3NT15, 2T10, 2T20 or sheet metal advert panel

**Reminder: the additional module must be assembled with the main scoreboard on the ground.**

- 1) On the ground, remove the metal covers to access the attachment holes. For each plate, remove all the screws then tilt the plate delicately while taking care to not snatch away the LED module cables.

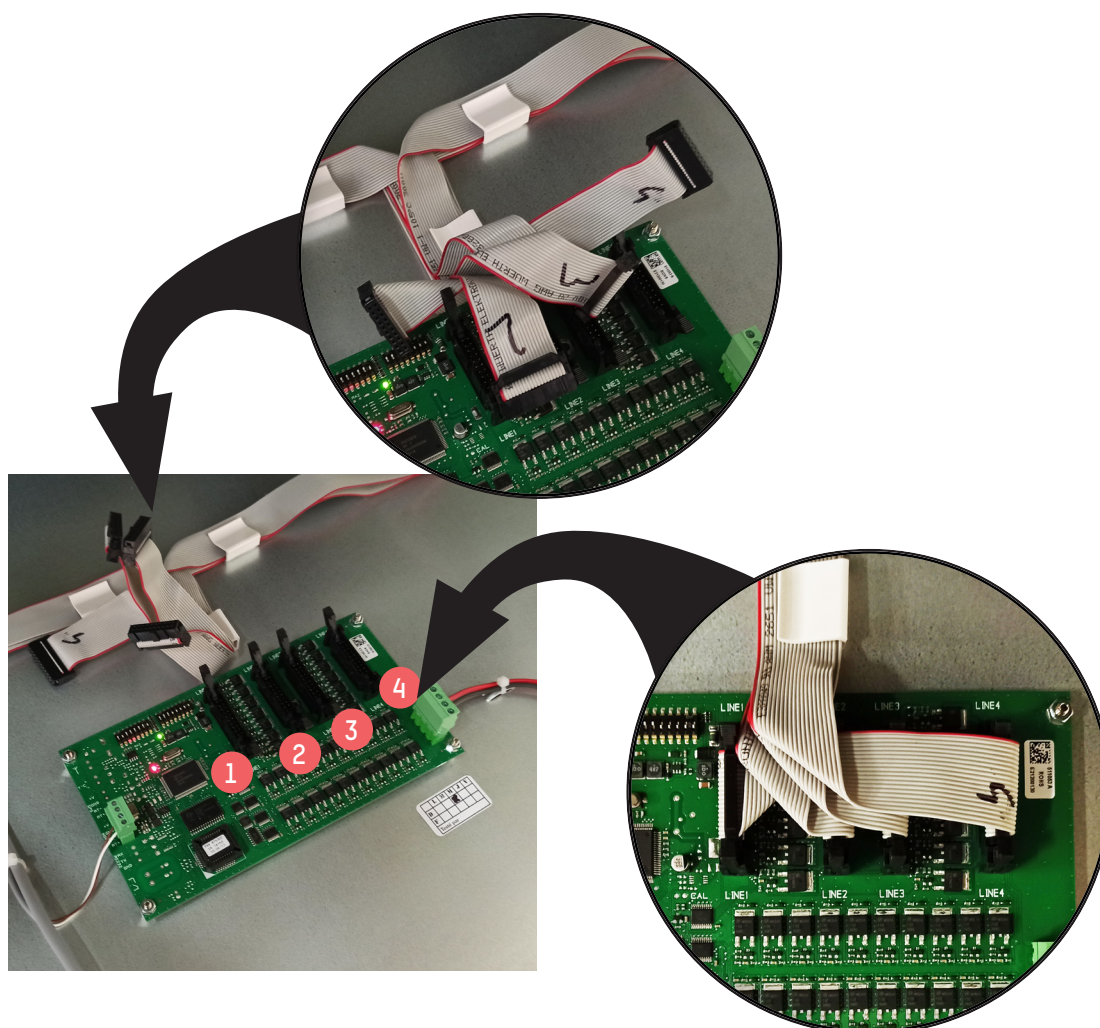


Before

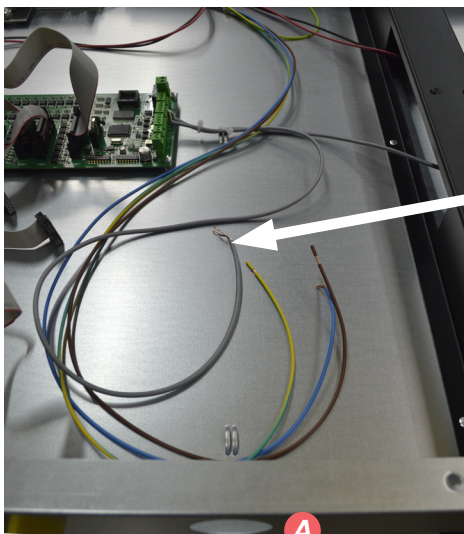
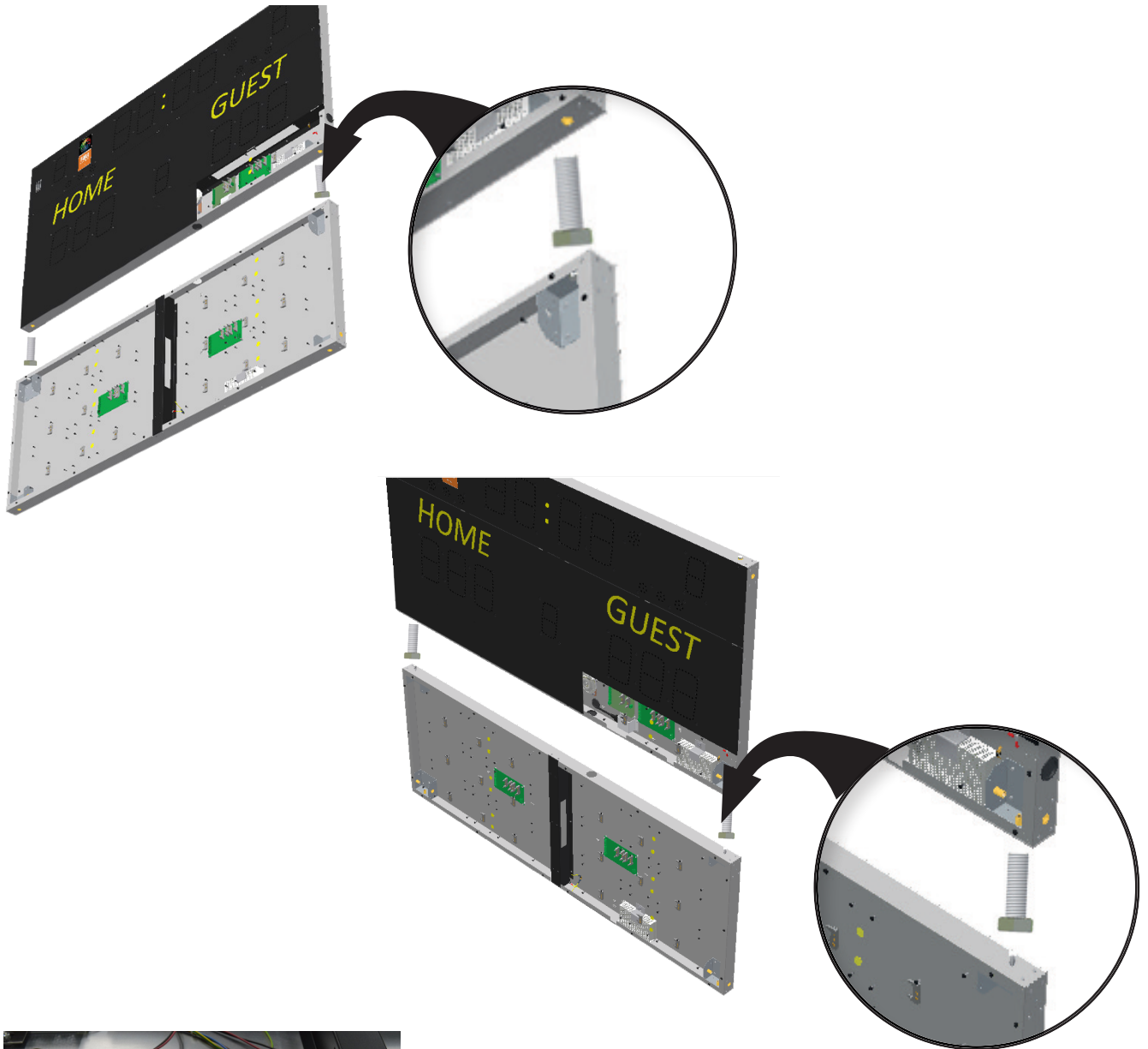


After

- 2) Disconnect the ribbon cables from the electronic cards. The cable are labelled in order to avoid error at reconnecting time:



3) Attach the additional module to the central scoreboard (8015, 8020 or 8025) with the 2 supplied M10 screws and feed the power and communication cables of the additional module (A) to the main scoreboard :



**Communication:** grey cable with 1 brown wire + 1 white wire

**Power supply:** yellow/green - blue - brown

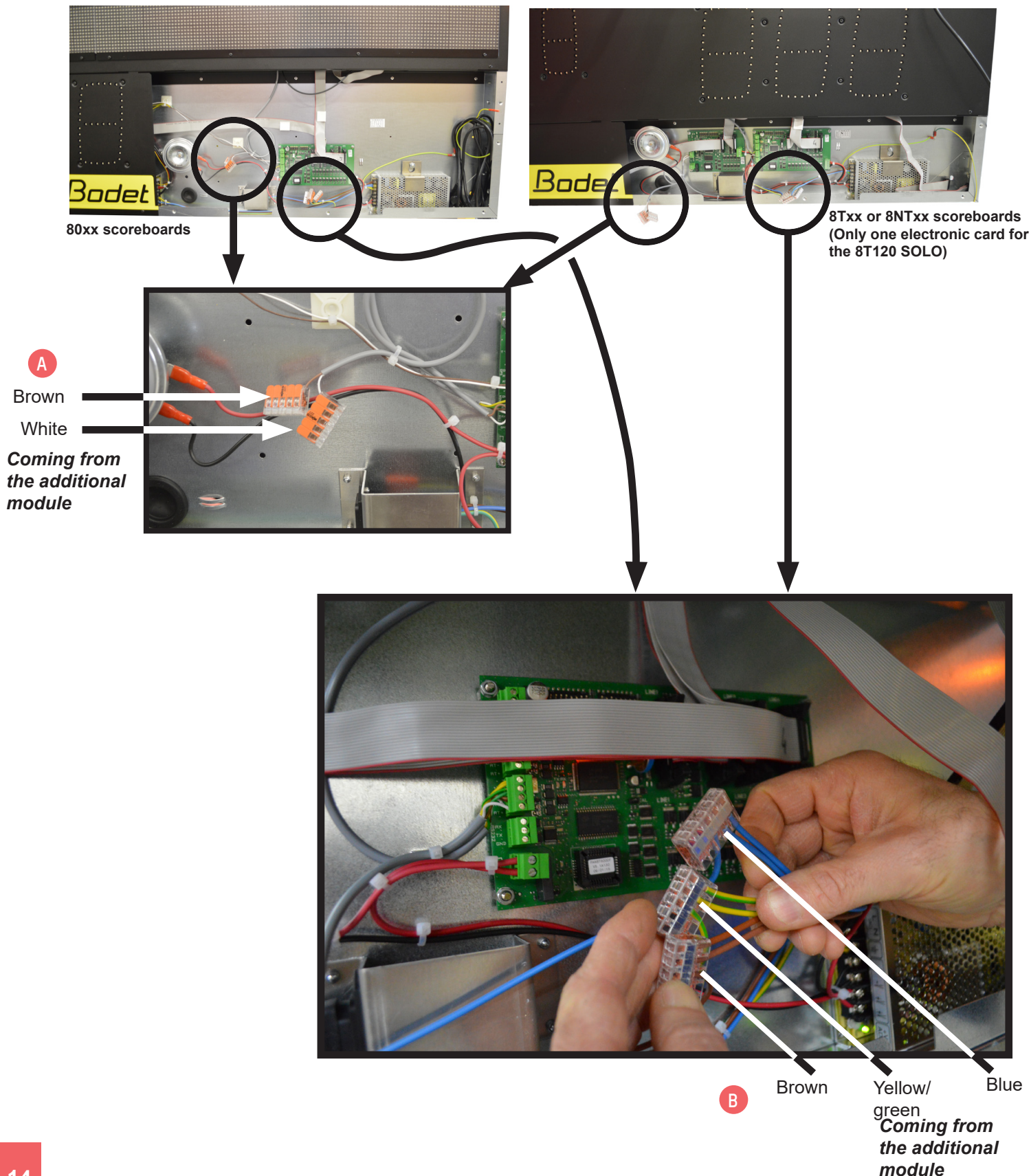


### 3)Wiring:

Feed the additional module cables in the main scoreboard through the grommets.

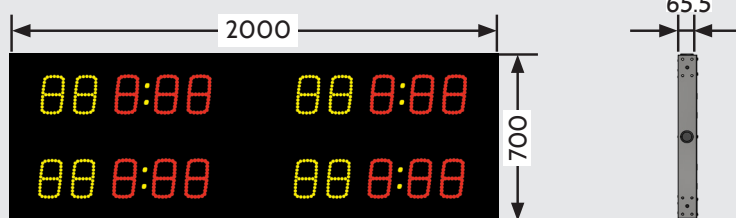
- > Communication of the additional module with the main scoreboard: 2 wires **A** have to be connected to the main scoreboard. These wires are supplied with the additional module and are to be connected using quick connectors supplied in the main scoreboard unit.
- > Power supply of the additional module: 3 wires **B** have to be connected to the main scoreboard. These wires are supplied with the additional module and are to be connected using quick connectors supplied in the main scoreboard unit.

> Observe the colours for connection.

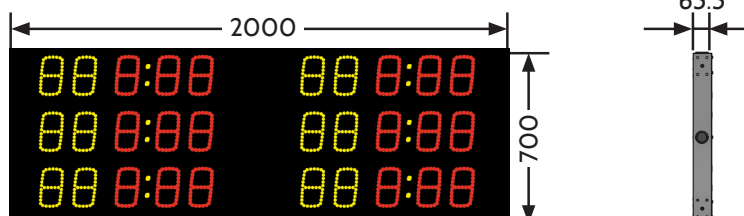


Dimensions of additional modules:

2NT15 (Ref.: 916 405).



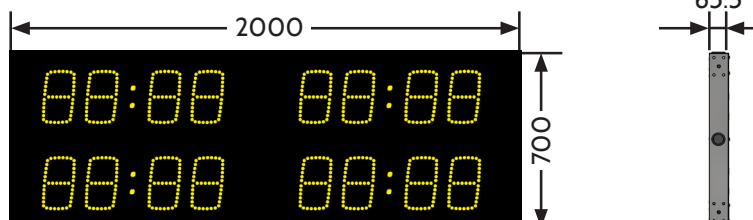
3NT15 (Ref.: 916406).



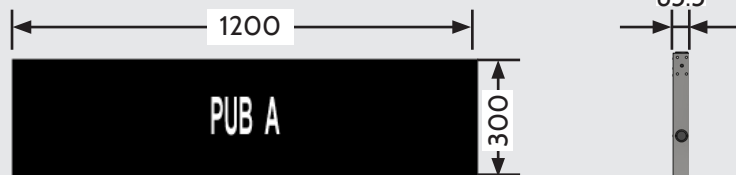
2T10 (Ref.: 916401).



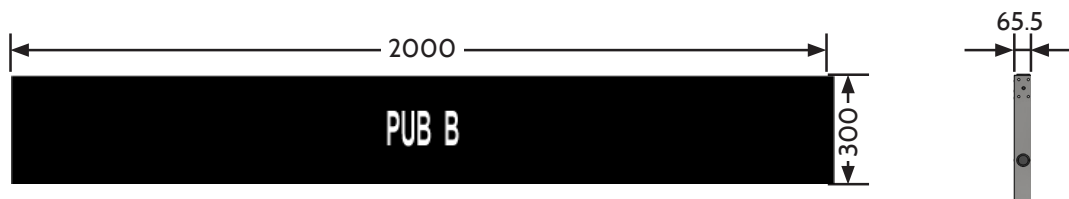
2T20 (Ref.: 916402).



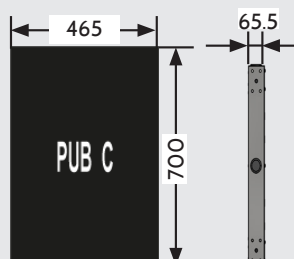
PUB A (Ref.: 916422).



PUB B (Ref.: 916421).



PUB C (Ref: 916423).



PUB D (Ref: 916424).




## 7. INDIVIDUAL FOUL PANEL INSTALLATION

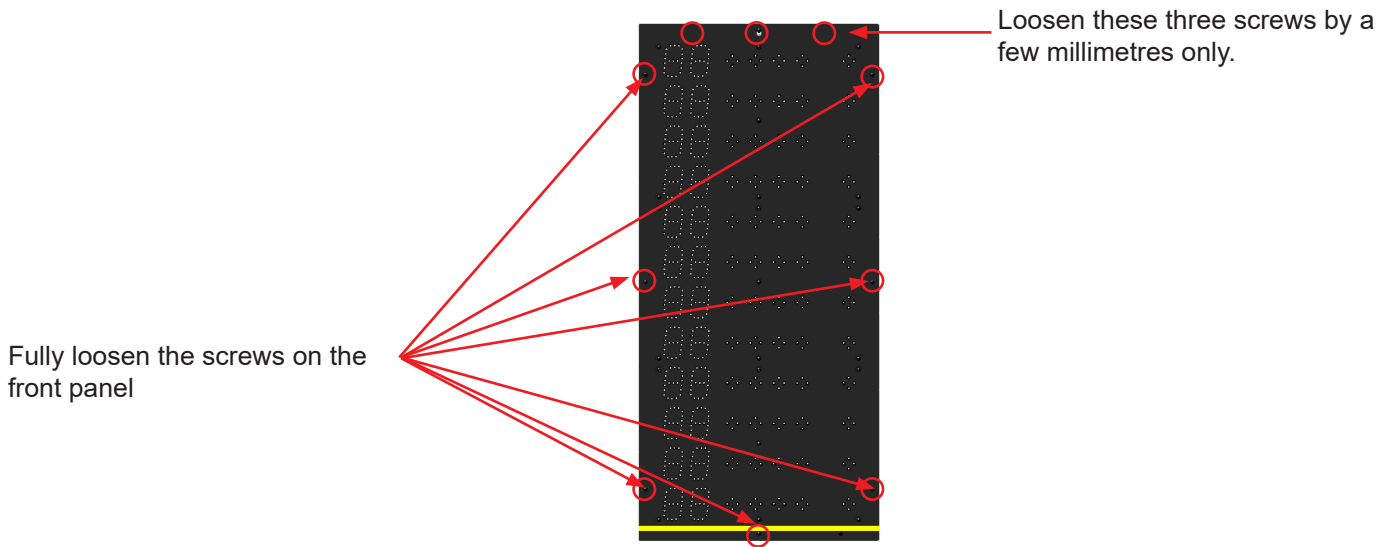
### 7.1 Opening an F6 individual foul panel

This chapter presents the installation method for an F6 individual foul panel in the 8000 range. The mounting principle is identical for F10 and FS10 individual foul panels

**Reminder: the additional module must be assembled with the main scoreboard on the ground.**

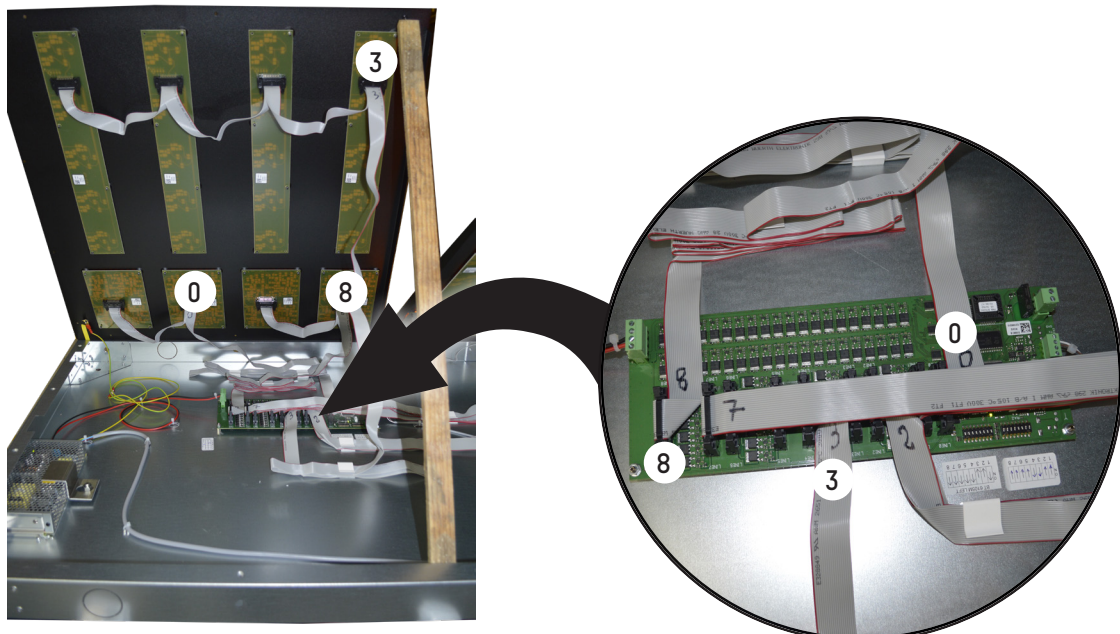
- 1) On the ground, remove the metal covers to access the attachment holes. Loosen all screws on the panel as follows:

 Remove the sheet metal front plate taking care to not snatch away the ribbon cables. Three metal covers in models F10 and FS10.



- 2) Lift up the panel to extract it from the keyhole slot. Shift the panel to the left or right, repositioning it in the keyhole slots.

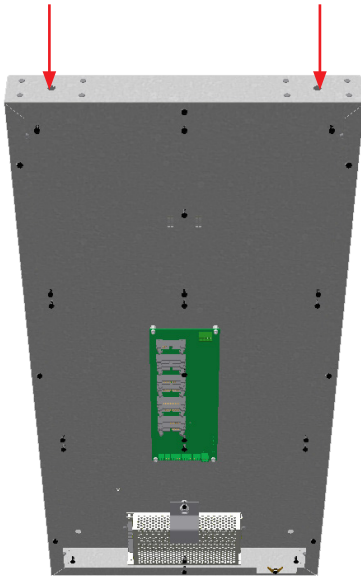
- 3) Disconnect the grounding connection at the bottom of the module and the ribbon cables from the electronic cards (the cables are labelled to avoid error at reconnection time, however make sure to identify them). Example with matrices on the 3rd part of the module (lower part):



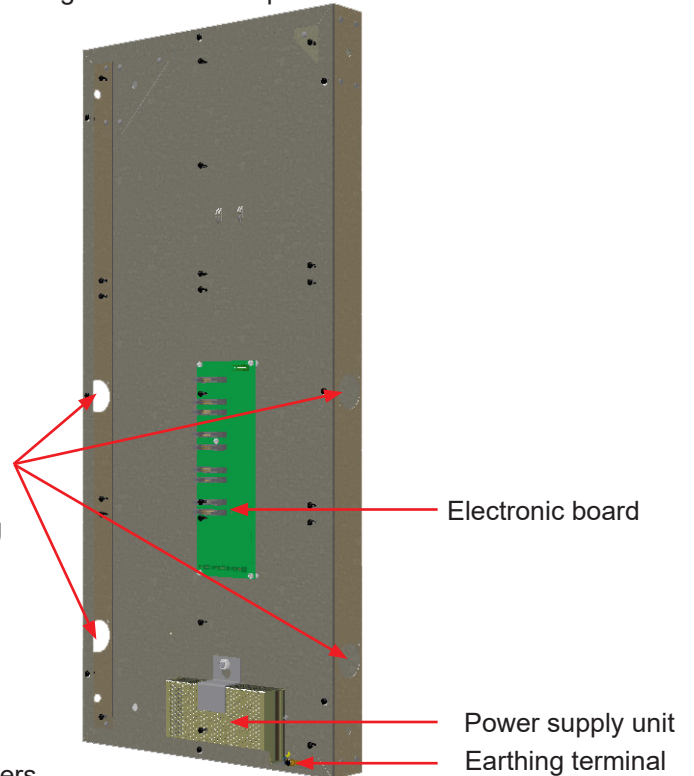


4) Using lifting eye bolts (ref.: 916 426), lift the module at the height of the central panel.

Lifting eye bolts to be placed here

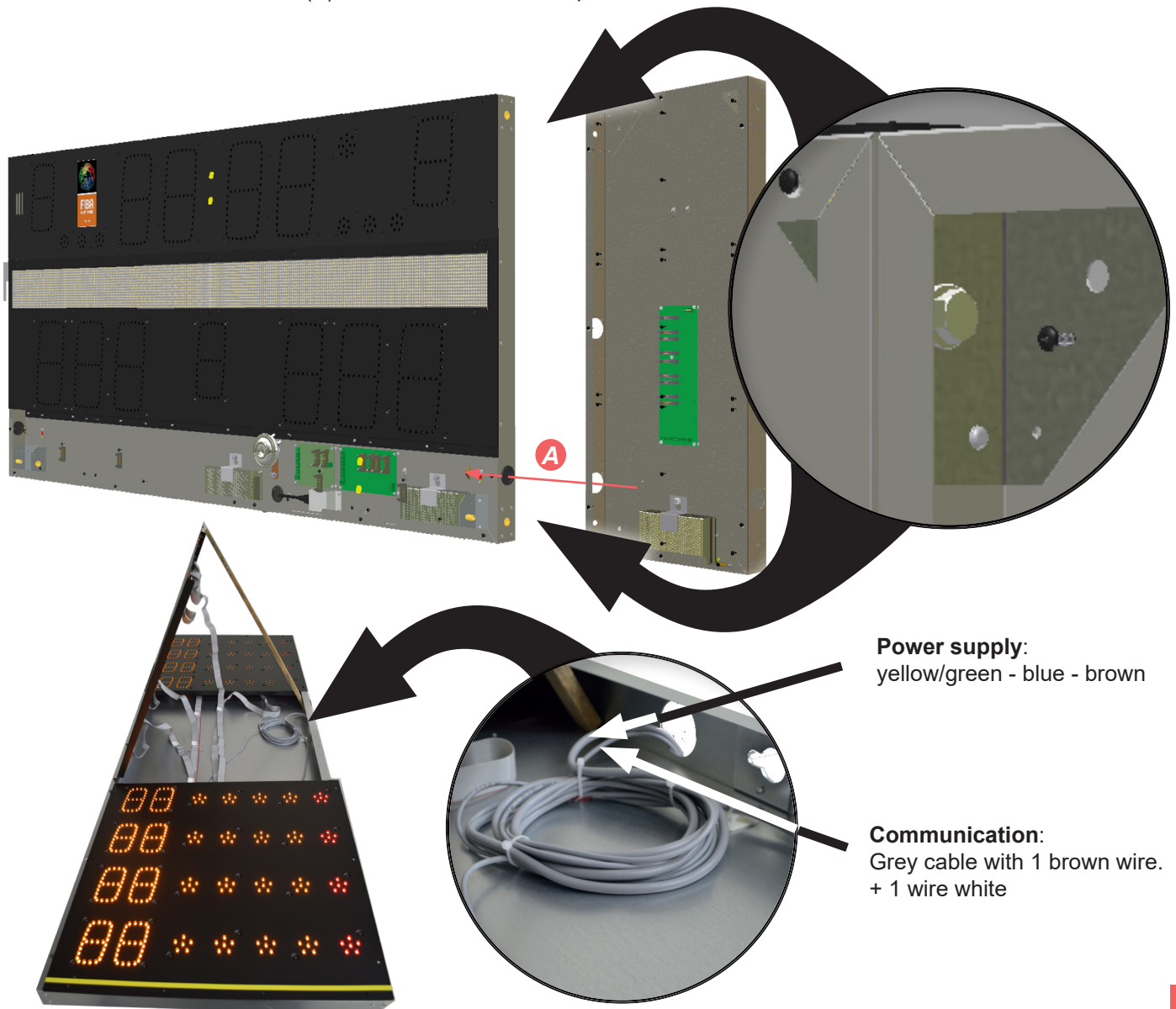


Cables are run to the central board (the metal plate is pre-cut for creating the hole)



5) On the central scoreboard, remove both lower metal covers.

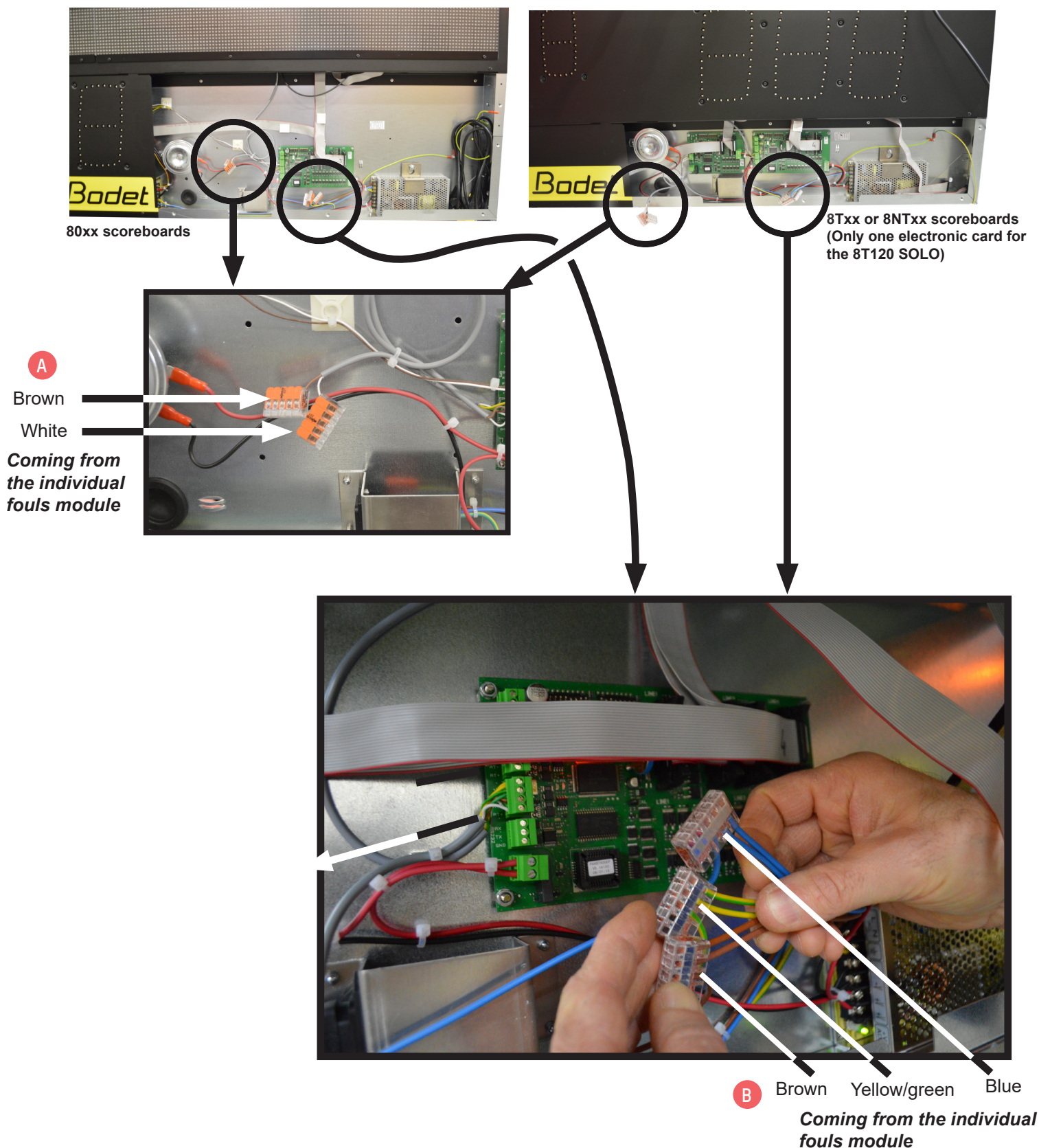
Attach the individual fouls panel to the central scoreboard: Route the «communication» and «power» cables from the individual fouls module (A) to the main scoreboard panel :



## 6) Wiring on the main scoreboard panel

### **Feed the individual fouls module cables in the main scoreboard through the grommets.**

- > Communication of the individual fouls module with the main scoreboard: 2 wires **A** have to be connected to the main scoreboard. These wires are supplied with each of the individual fouls modules and are to be connected using quick connectors supplied in the main scoreboard unit.
- > Individual fouls modules power supply: 3 wires for the power **B** to be connected to the main scoreboard. These wires are supplied with each of the individual fouls modules and are to be connected using quick connectors supplied in the main scoreboard unit.
- > Observe the colours for connection.

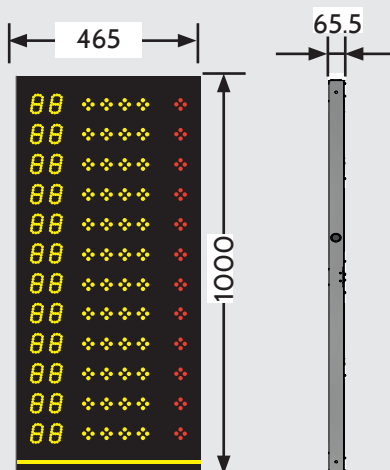




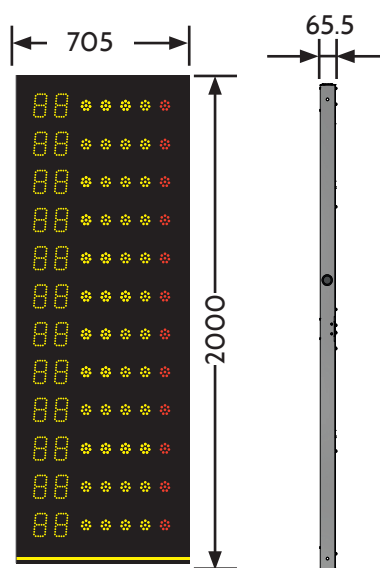
7) Connect the ground to each metal plate and put them back in place.

Dimensions and weight of individual fouls modules:

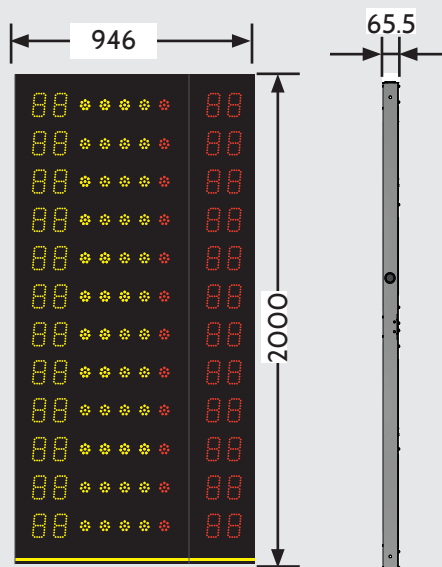
F6 (Ref.: 916 410).



F10 (Ref.: 916 411).



FS10 (Ref.: 916412).



## 8. INSTALLATION CONFIGURATIONS

The configuration of the scoreboards is carried at the factory according to the information (numbers of panels, models, communication) that you provided us at order time