

# CLAYPAKY C61705 Axcor Profile Instruction Manual



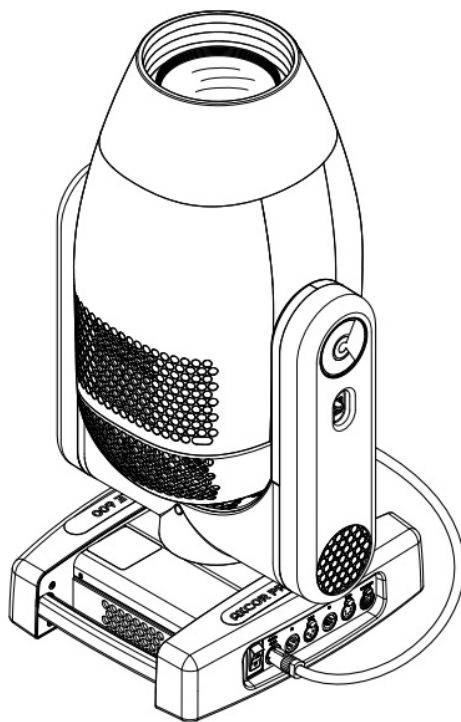
## Contents

- 1 AXCOR PROFILE 600 – AXCOR PROFILE 600 HC AXCOR PROFILE 600 ST AXCOR PROFILE 600 HC-ST**
  - 1.1 INSTRUCTION MANUAL**
  - 1.2 1. SAFETY INFORMATION**
  - 1.3 2. UNPACKING AND PREPARATION**
  - 1.4 3. INSTALLATION AND START-UP**
    - 1.4.1 3.1 Installing the fixture
    - 1.4.2 3.2 Connecting to mains supply
    - 1.4.3 3.3 Connecting the control signal line: DMX / Art-Net
    - 1.4.4 3.4 Switching on the fixture and basic SetUp
      - 1.4.4.1 Functions of the buttons – Using the menu
  - 1.5 4. MAINTENANCE**
    - 1.5.1 4.1 Opening the covers
    - 1.5.2 4.2 Periodical cleaning
    - 1.5.3 4.3 Effects module removal
    - 1.5.4 4.4 – Cleaning of the filters
    - 1.5.5 4.5 – Rotating gobos
    - 1.5.6 4.6 Battery removal
  - 1.6 5. DIMENSIONS**
- 2 Documents / Resources**
  - 2.1 References**

**AXCOR PROFILE 600 – AXCOR PROFILE 600 HC  
AXCOR PROFILE 600 ST  
AXCOR PROFILE 600 HC-ST**

C61705  
C61706  
C61708  
C61709

**INSTRUCTION MANUAL**



Congratulations on choosing a Claypaky product!

We thank you for your custom.

Please note that this product, as all the others in the rich Claypaky range, has been designed and made with total quality to ensure excellent performance and best meet your expectations and requirements.

## 1. SAFETY INFORMATION

### SAFETY INFORMATION

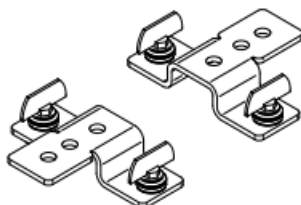
IMPORTANT: Claypaky recommends you carefully read and keep the safety information on this product, also available in digital format at the following link:

[www.claypaky.com](http://www.claypaky.com)

Ref: [FIS00W – Safety Information Axcor 600 series]

## 2. UNPACKING AND PREPARATION

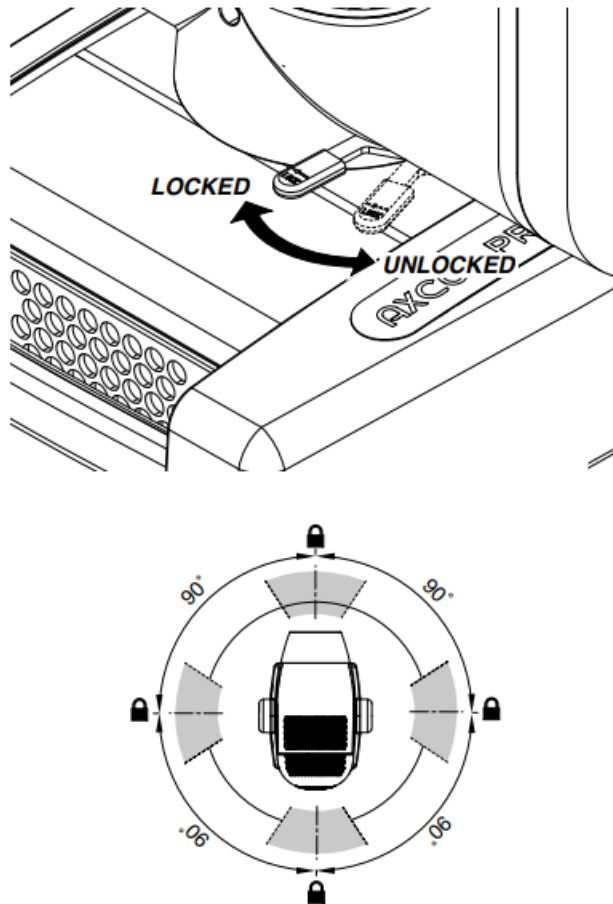
[1]





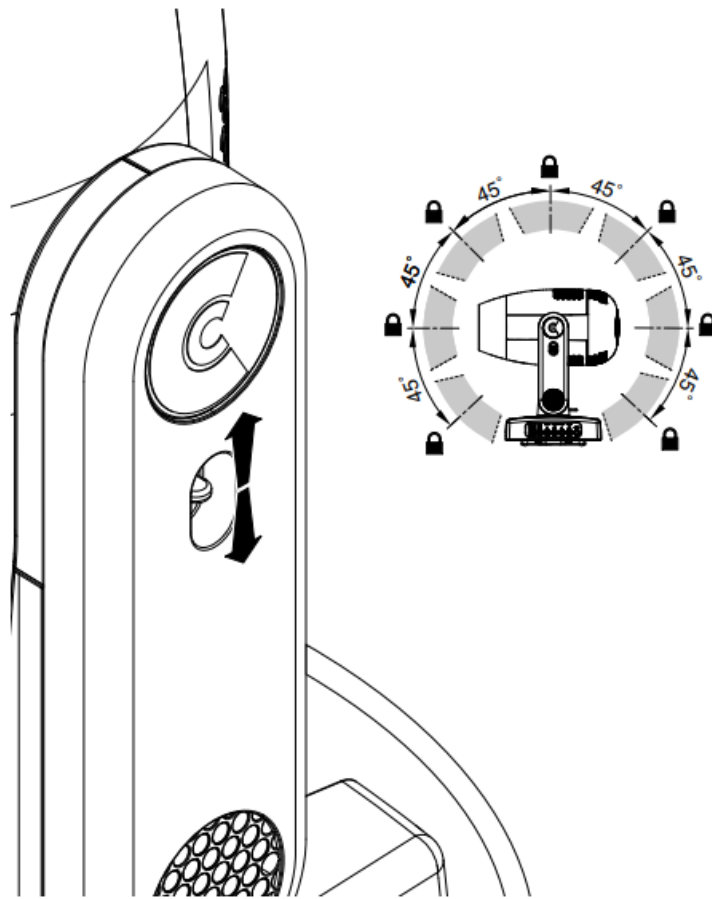
**Packing contents – Fig. 1**

[2]



**PAN Mechanism Lock and Release (every 90°) – Fig. 2**

[3]

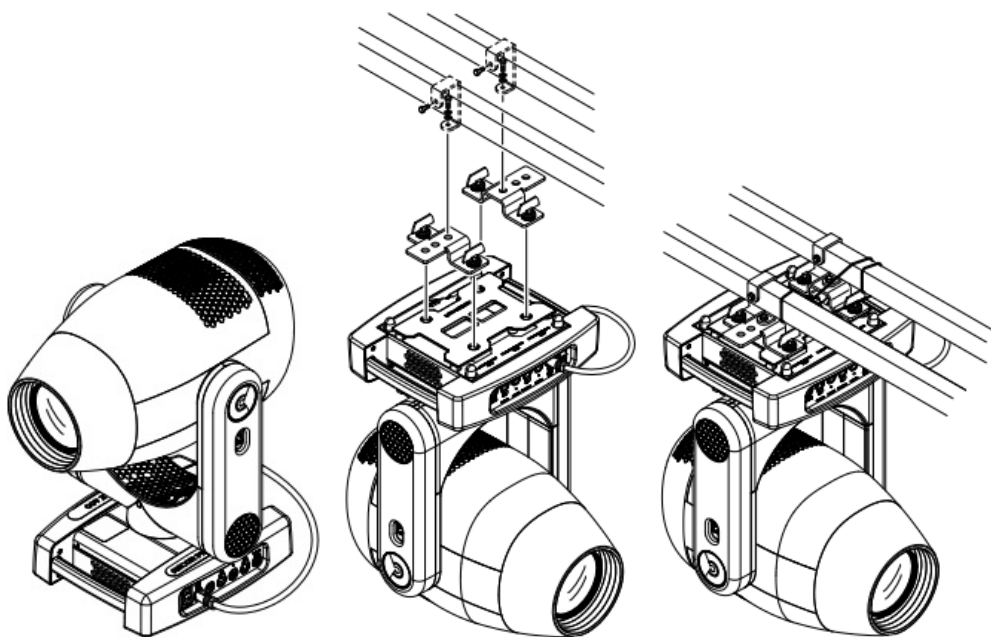


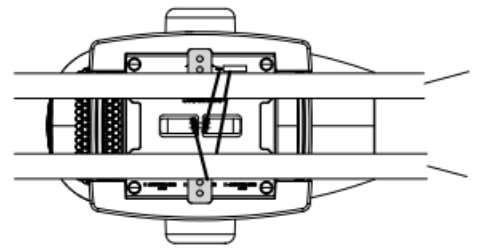
**TILT Mechanism Lock and Release (every 45°) – Fig. 3**

### **3. INSTALLATION AND START-UP**

#### **3.1 Installing the fixture**

[4]





#### Installing the projector – Fig. 4

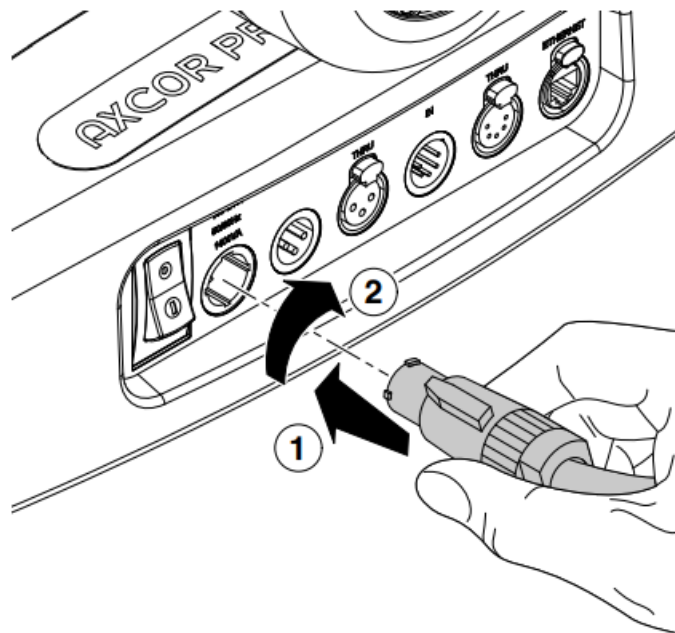
The projector can be installed on the floor resting on special rubber feet, on a truss or on the ceiling or wall.

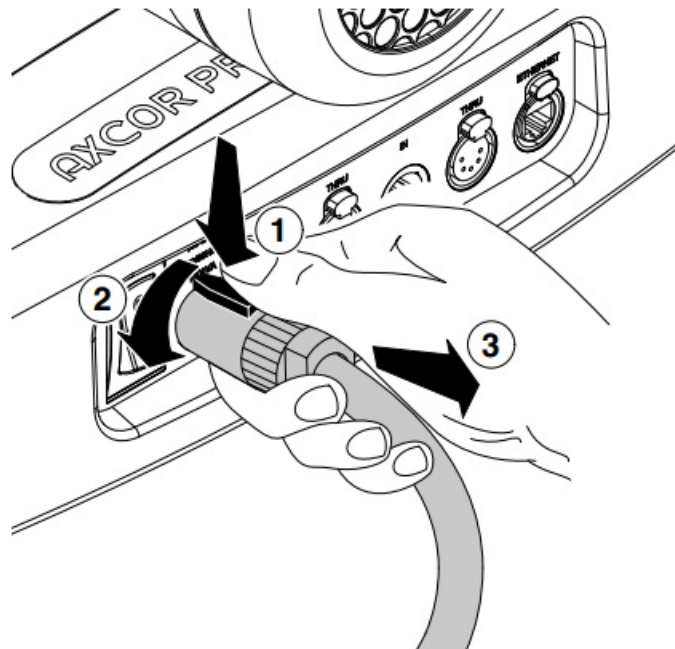
**WARNING: with the exception of when the projector is positioned on the floor, the safety cable must be fitted. (Cod. 105041/001 available on request).**

**This must be securely fixed to the support structure of the projector and then connected to the fixing point at the centre of the base.**

#### 3.2 Connecting to mains supply

[5]

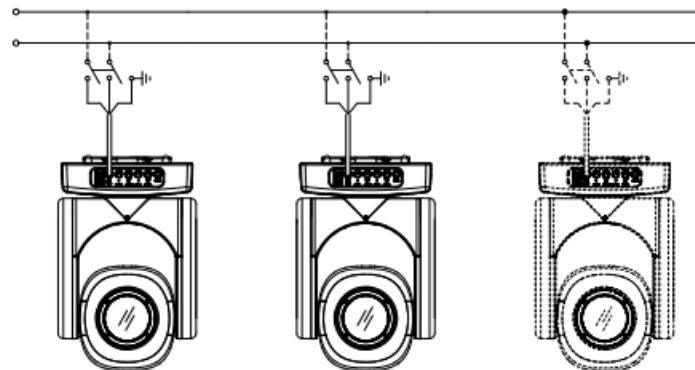




**Connecting and disconnecting power cable – Fig. 5**

[6]

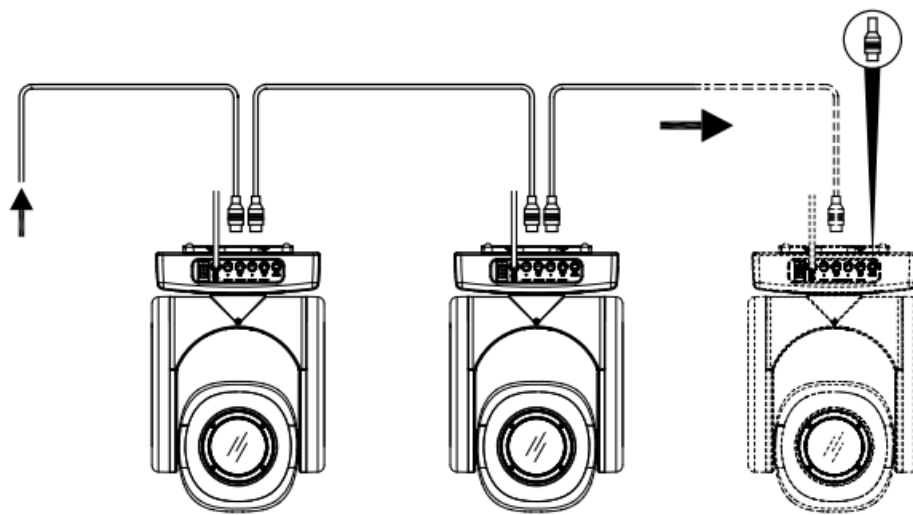
Mains



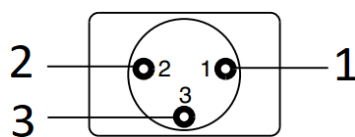
**Connecting to the mains supply – Fig. 6**


### 3.3 Connecting the control signal line: DMX / Art-Net

[7]

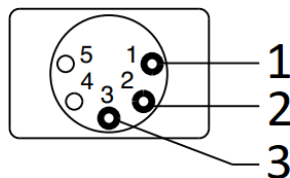



DMX 512  
3 PIN



1. SCREEN 
2. SIGNAL -
3. SIGNAL +

DMX 512  
5 PIN



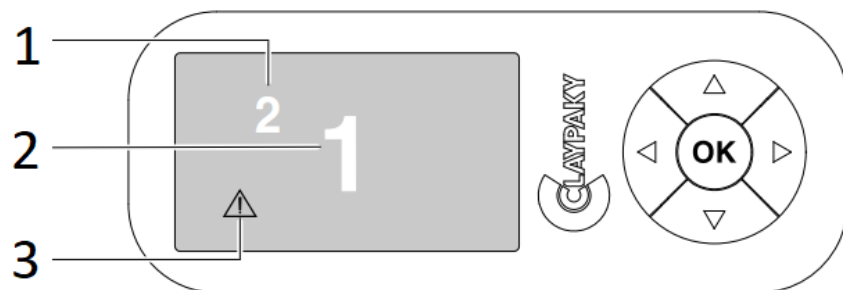
1. SCREEN 
2. - SIGNAL
3. + SIGNAL

#### Connecting to the control signal line (DMX) – Fig. 7

Use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 or 5 pin male/female connectors. A terminating plug must be inserted into the last projector with a resistance of 120Ohm (minimum 1/4 W) between terminals 2 and 3.

**IMPORTANT:** The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the shield braid and to pin 1 of the connectors.


#### 3.4 Switching on the fixture and basic SetUp




1. Fixture ID
2. Dmx Address
3. Warning Message

### Switching on the projector – Fig. 8

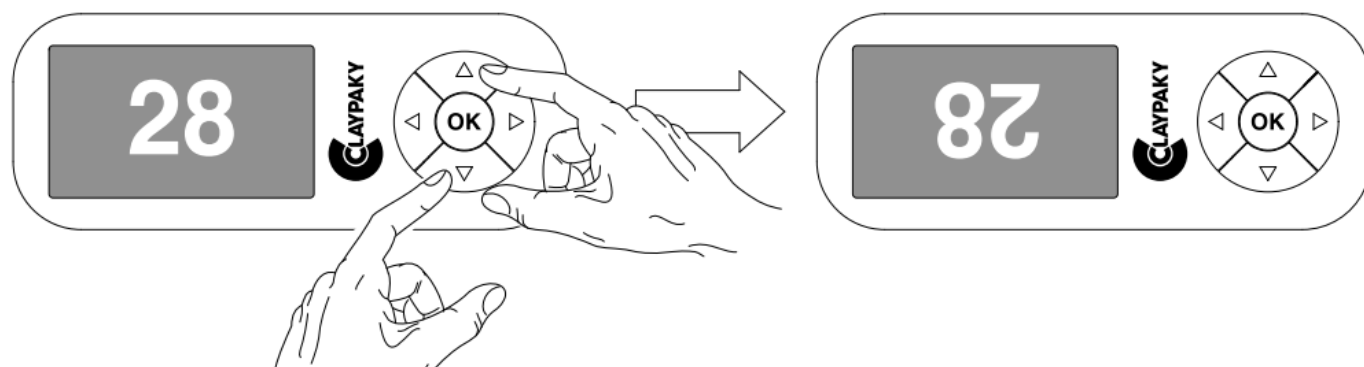
Press the switch. The projector starts resetting the effects. At the same time, the following information scrolls on the display:

	<b>Model</b> Axcor 600	<b>Firmware</b> Version X.X.X Date – Hour	<b>xxx (Fixture ID)</b> Dmx Address xxx	<b>System errors</b> E: ..... W: .....
---	------------------------------	---	--	--



On conclusion of resetting in case of absence of the dmx signal, Pan and Tilt move to the “Home” position (Pan 128 bit – Tilt 128 bit). The control panel (Fig. 8) has a display and buttons for the complete programming and management of the projector menu. The display can be in one of two conditions: rest status and setting status. When it is in the rest status, the display shows the projector’s DMX address and the Fixture ID address (if set). During menu setting status, after a wait time (about 30 seconds) without any key having been pressed, the display automatically returns to rest status.

It should be noted that when this condition occurs, any possible value that has been modified but not yet confirmed with the  key will be cancelled.

[9]



### Reversal of the display – Fig. 9

To activate this function, press UP  and DOWN  keys simultaneously while the display is in the rest mode. This status will be memorised and maintained even for the next time it will be switched on. To return to the initial state, repeat the operation all over again.

### Setting the projector starting address

On each projector, the starting address must be set for the control signal (addresses from 1 to 512). The address can also be set with the projector switched off.

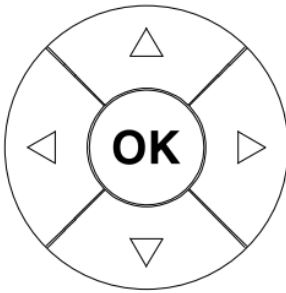





### Setting the projector Fixture ID




On each projector, the Fixture ID address must be set for an easy identification of the fixtures in an installation (ID from 1 to 255).

The Fixture ID address can be set with the projector switched off.

#### Functions of the buttons – Using the menu


	 Confirms the displayed value, or activates the displayed function, or enters the successive menu.
	 DOWN Decreases the value displayed (with auto-repetitions) or passes to the next item in the menu.
	 UP Increases the value displayed (with auto-repetitions) or passes to the previous item in a menu.
	 LEFT Return to the top level
	 RIGHT Commute from units, tens, hundreds, in the "Address", "Fixture ID" and "Calibration" menu.

#### USING THE MENU:

1) Press  once – "Main Menu" appears on the display.

2) Use the UP  and DOWN  keys to select the menu to be used:


- Setup (Setup Menu): To set the setting options.
- Option (Option Menu): To set the operating options
- Informations (Informations Menu): To read the counters, software version and other information.
- Manual Control (Manual control Menu): To trigger the test and manual control functions.
- Test (Test Menu): To check the proper functioning of effects
- Advanced (Advanced Menu): Access to the "Advanced menu" is recommended for a trained technical personnel.

3) Press  to display the first item in the selected menu.

4) Use the UP  and DOWN  keys to select the MENU items.

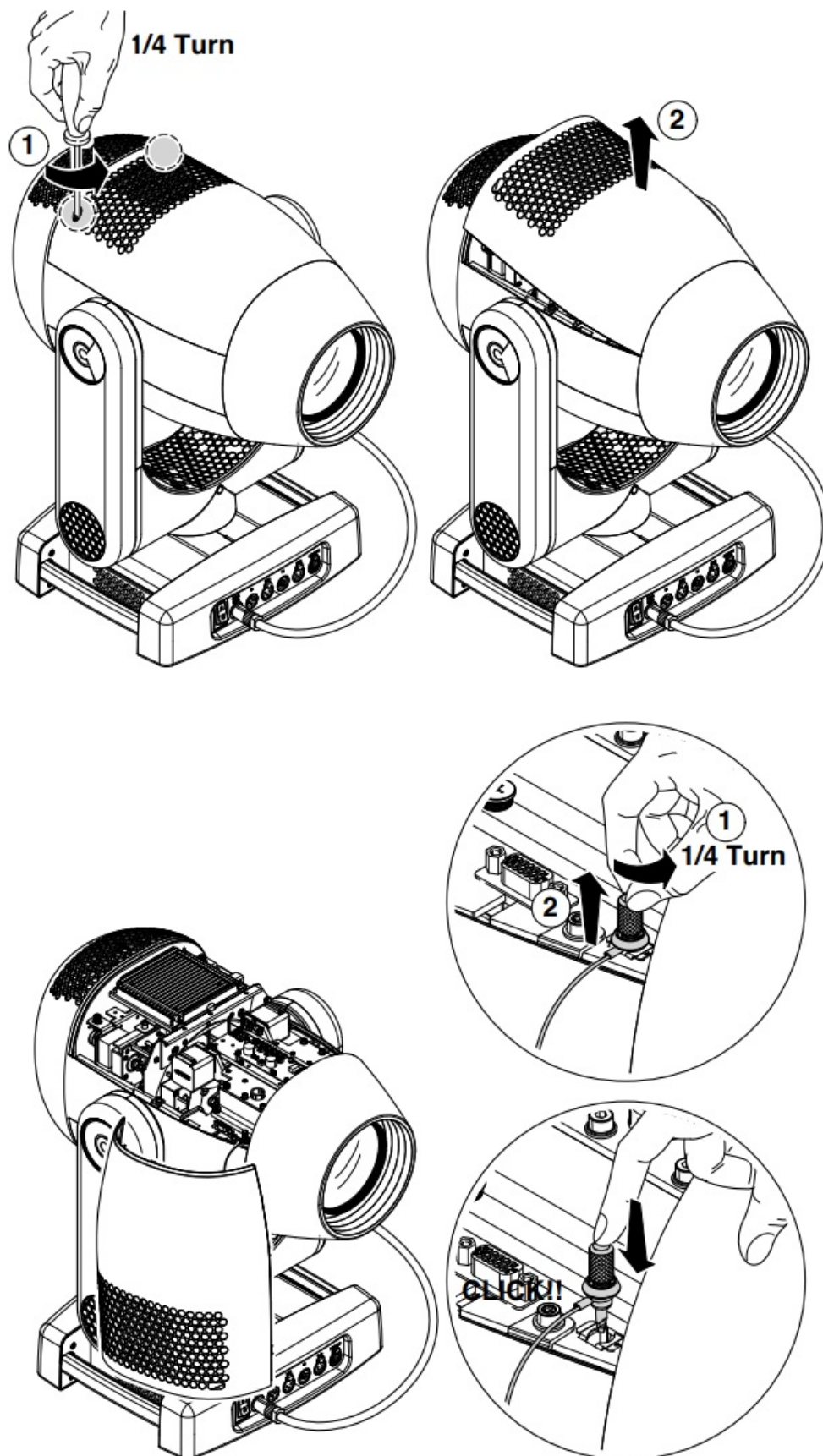
#### Setting addresses and options with the projector disconnected

The projector's DMX address, as well as other possible operating options, can also be set when the appliance is disconnected from the electricity supply.

All that is needed is to press  to momentarily activate the display and thus access the settings. Once the required operations have been carried out, the display will switch off again after a wait time of 30 seconds.

## 4. MAINTENANCE

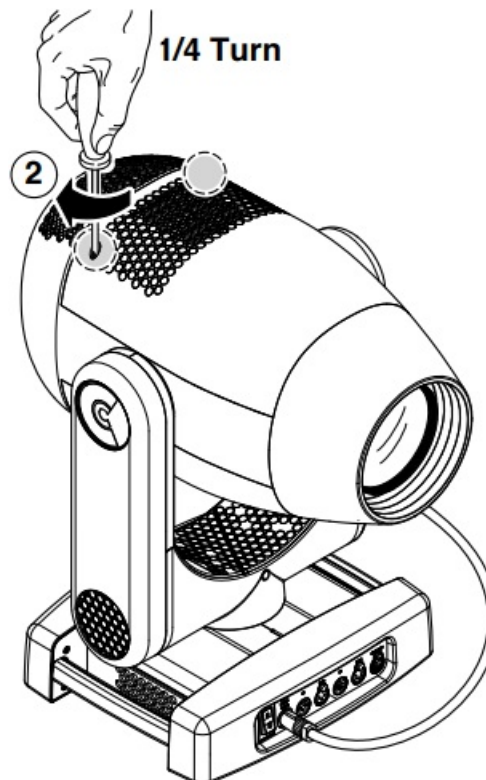
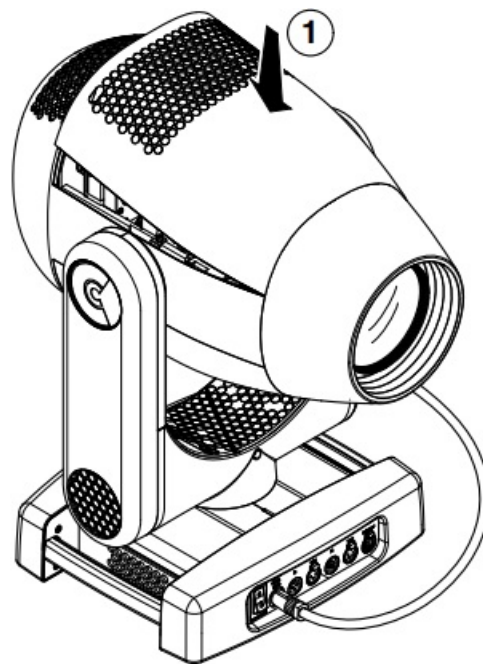
[10]



**Locking and releasing Pan and Tilt movements** – Refer to the instructions in the UNPACKING AND PREPARATION section.

**Opening the head covers** – Fig. 10.

[11]



Closing the head covers – Fig. 11.

#### 4.2 Periodical cleaning

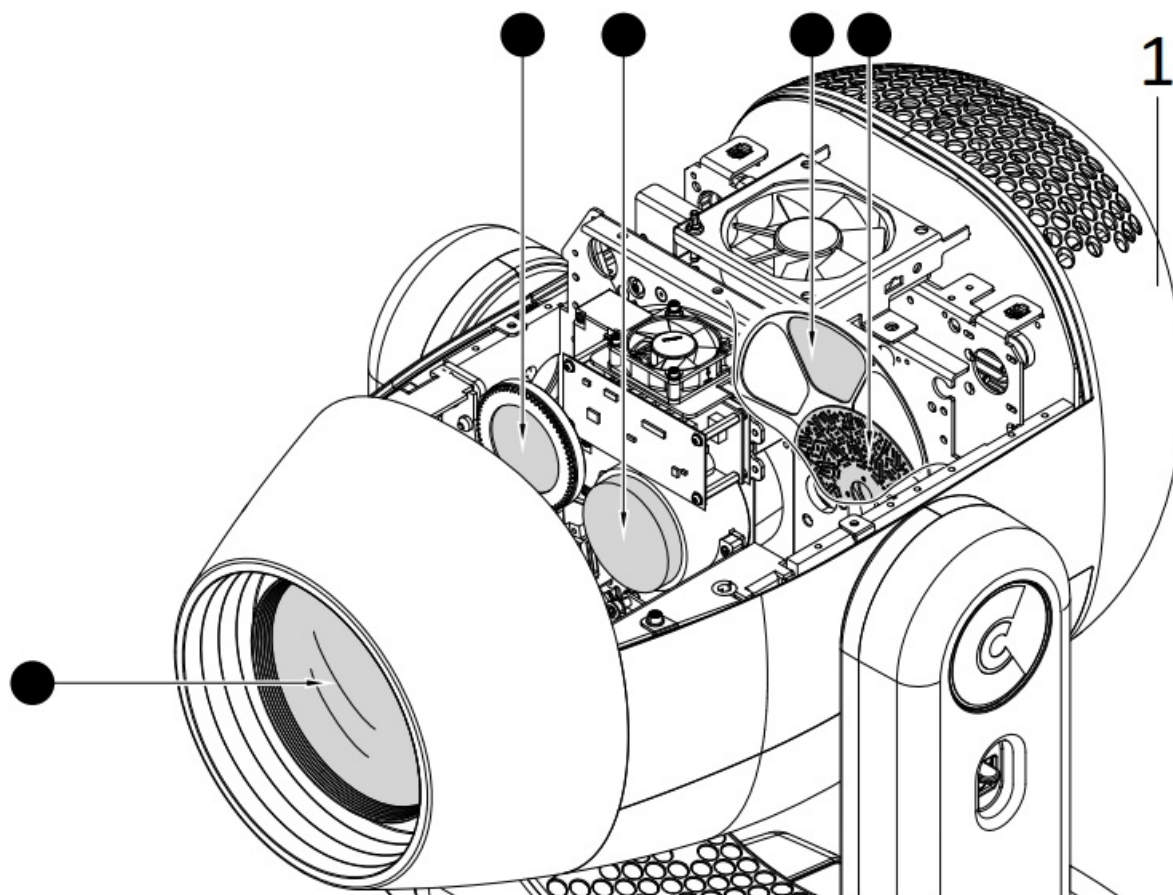
[12]

**NOTE:** keep a careful cleaning of the "CMY/colour filters assembly" to prevent rapid deterioration.



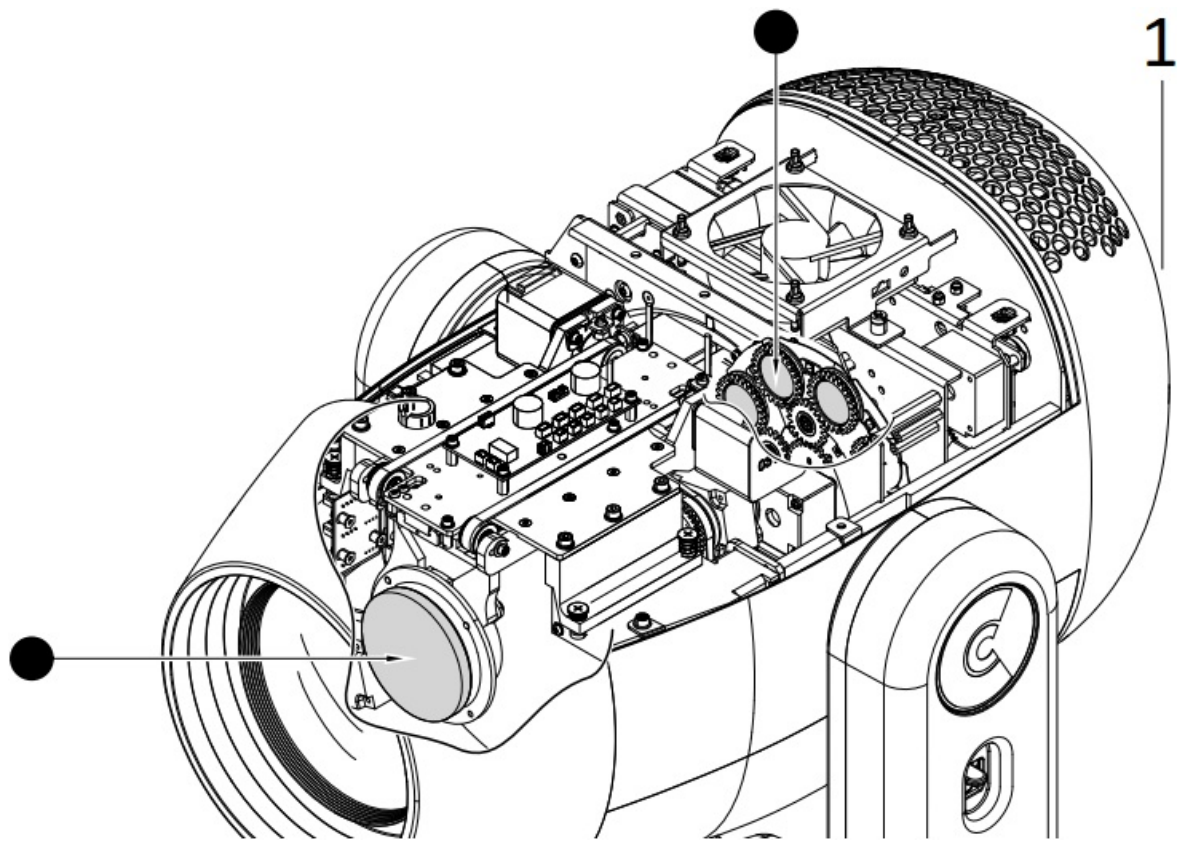
### Light collimation system

This product contains internal light collimation system. Avoid intense light from any angle.



1. Upper side

---



1. Lower side

#### **Periodical cleaning – Fig. 12**

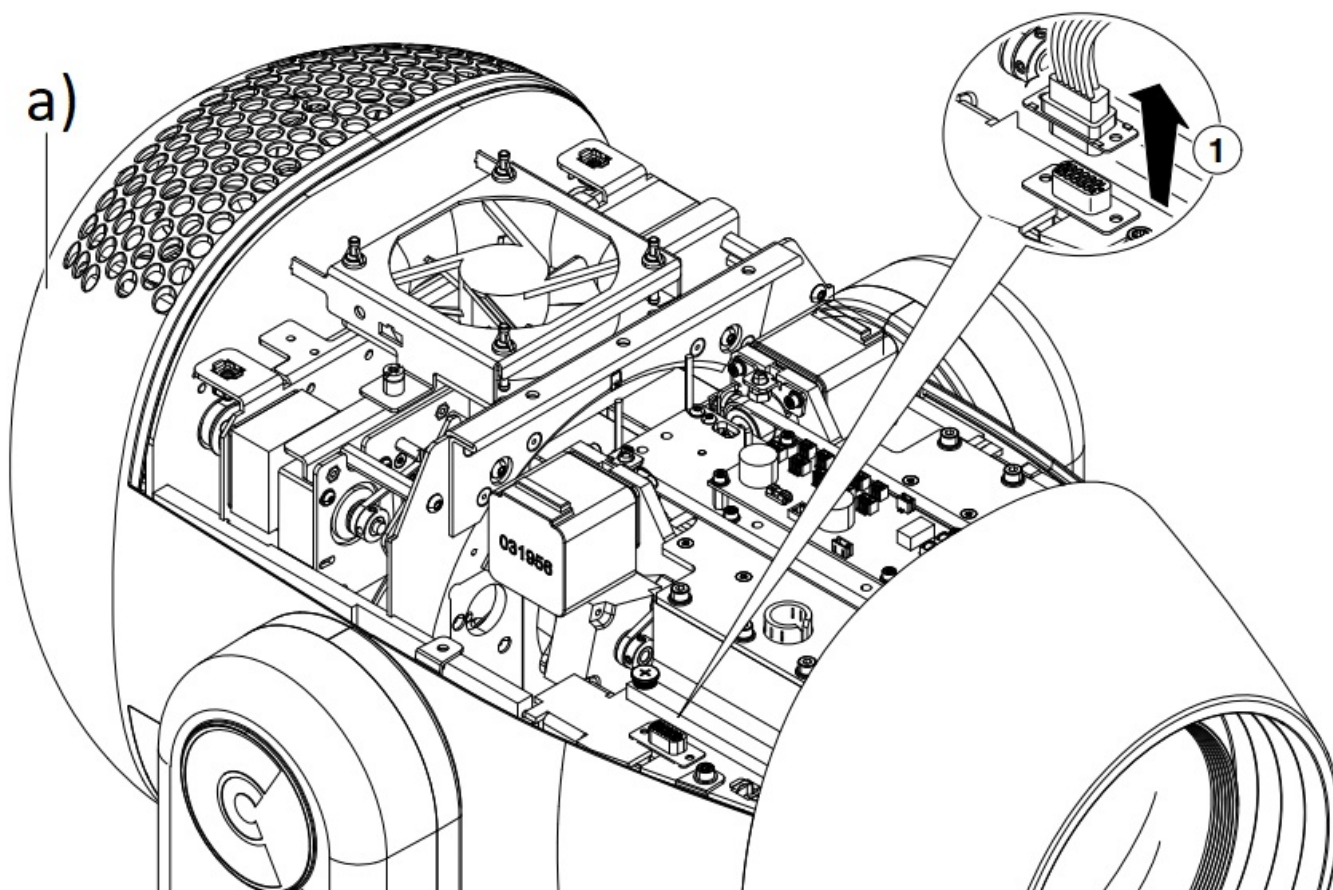
To ensure optimal operation and performance for a long time it is essential to periodically clean the parts subject to dust and grease deposits. The frequency with which the following operations are to be carried out depends on various factors, such as the amount of the effects and the quality of the working environment (air humidity, presence of dust, salinity, etc.).

Use a soft cloth dampened with any detergent liquid for cleaning glass to remove the dirt from the reflectors, from the lenses and filters. It is recommended that the projector undergoes an annual service by a qualified technician for special maintenance involving at least the following operations:

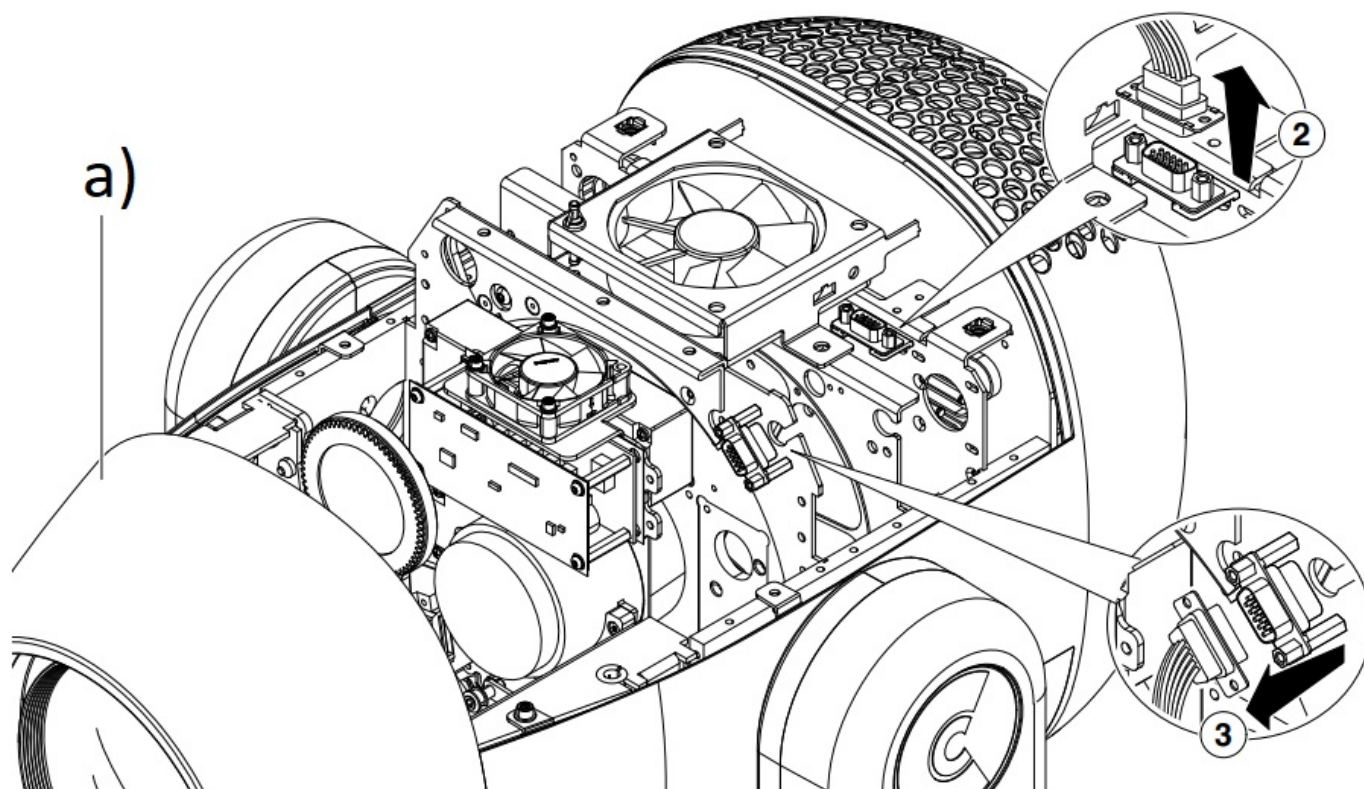
- General cleaning of internal parts.
- Restoring lubrication of all parts subject to friction, using lubricants specifically supplied by Claypaky.
- General visual check of the internal components, cabling, mechanical parts, etc.
- Electrical, photometric and functional checks; eventual repairs.

#### **4.3 Effects module removal**





a) Lower side



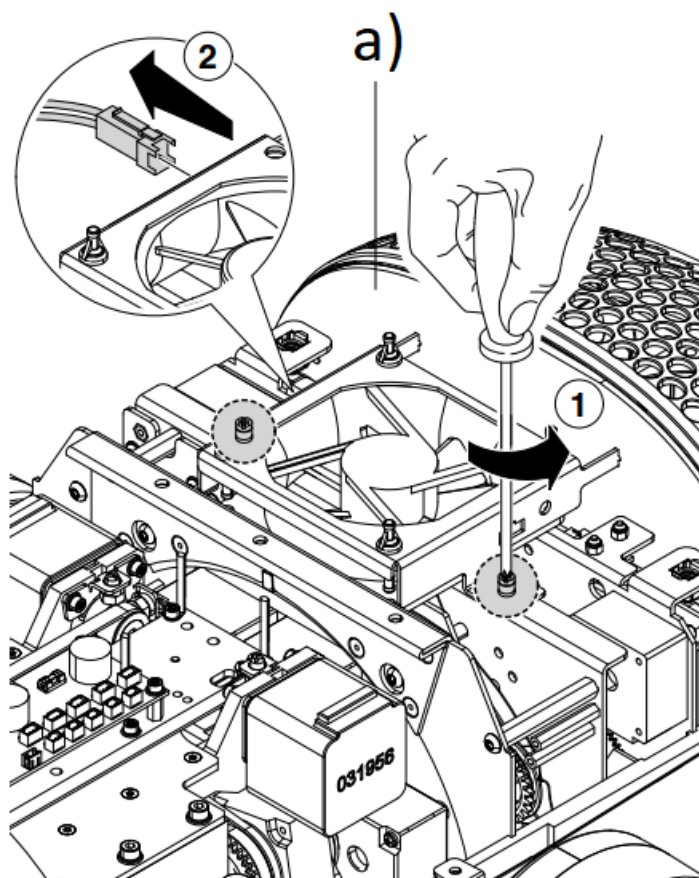
a) Upper side

**Extraction of the effect modules: Preliminary operations – Fig. 13.**

**NOTE:**

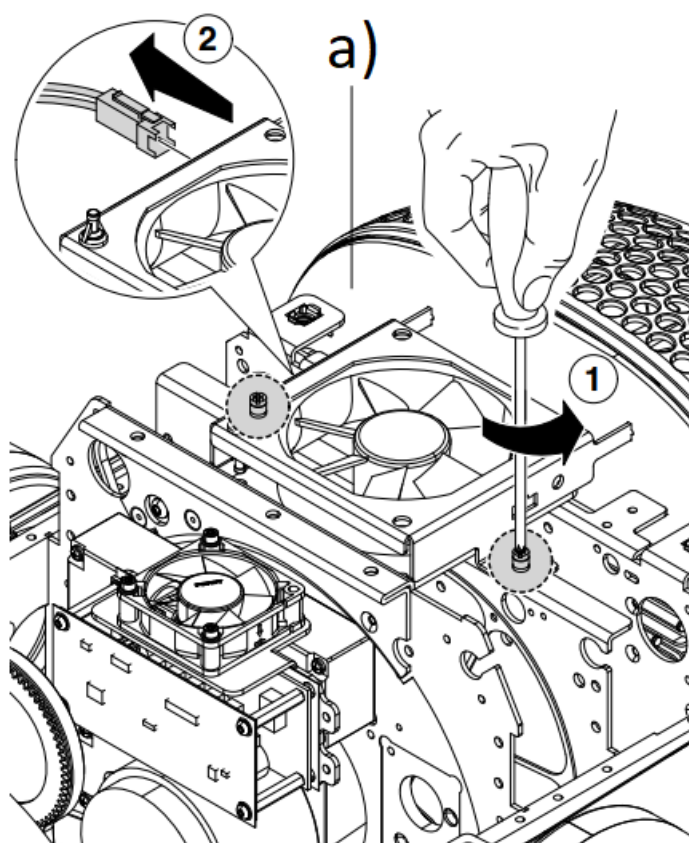
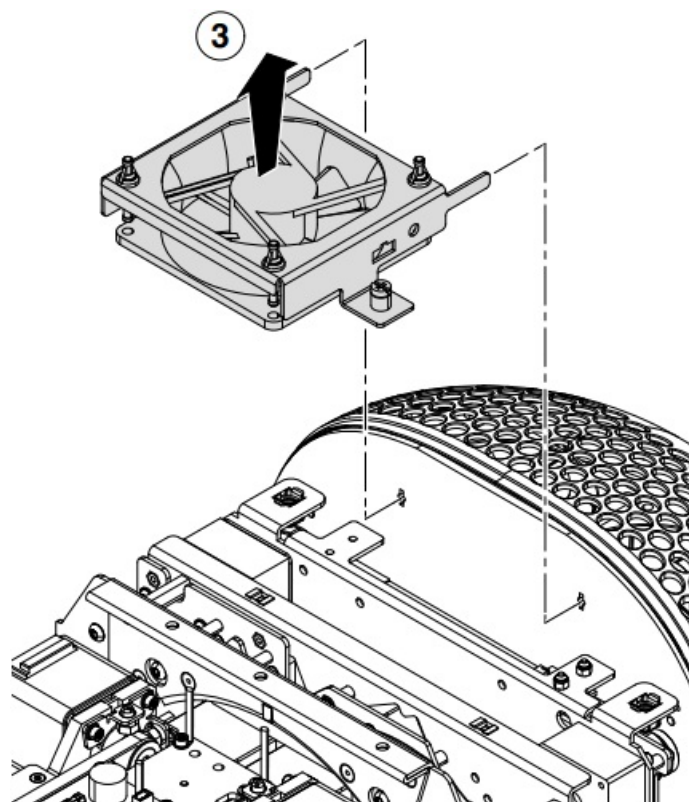
- Do not disconnect wiring harnesses when the fixtures is switched-on, to avoid to damage electronic boards.
- Do not switch-on the fixtures with wiring harness disconnected.

[14]



a) Lower side

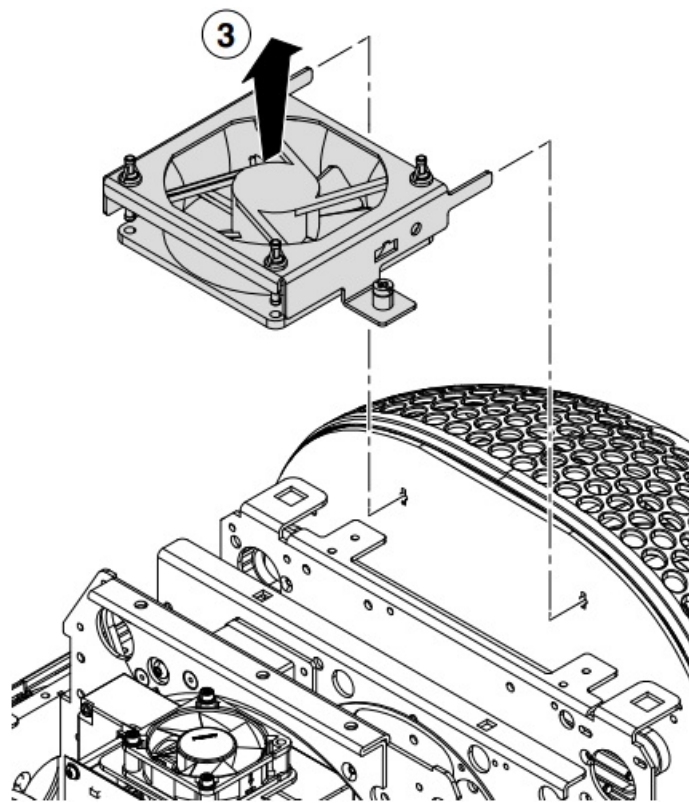
---



a) Upper side

---



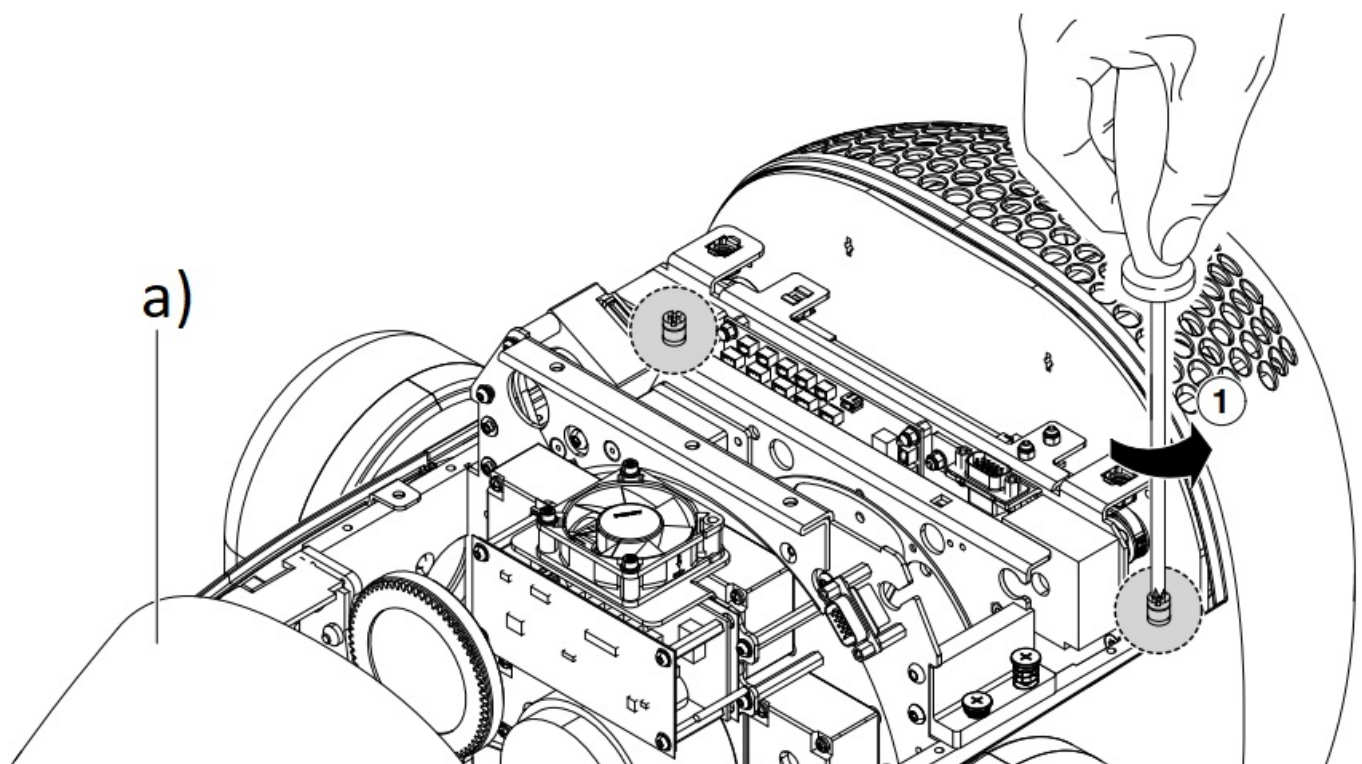


**Extraction of the effect modules: Preliminary operations – Fig. 14.**

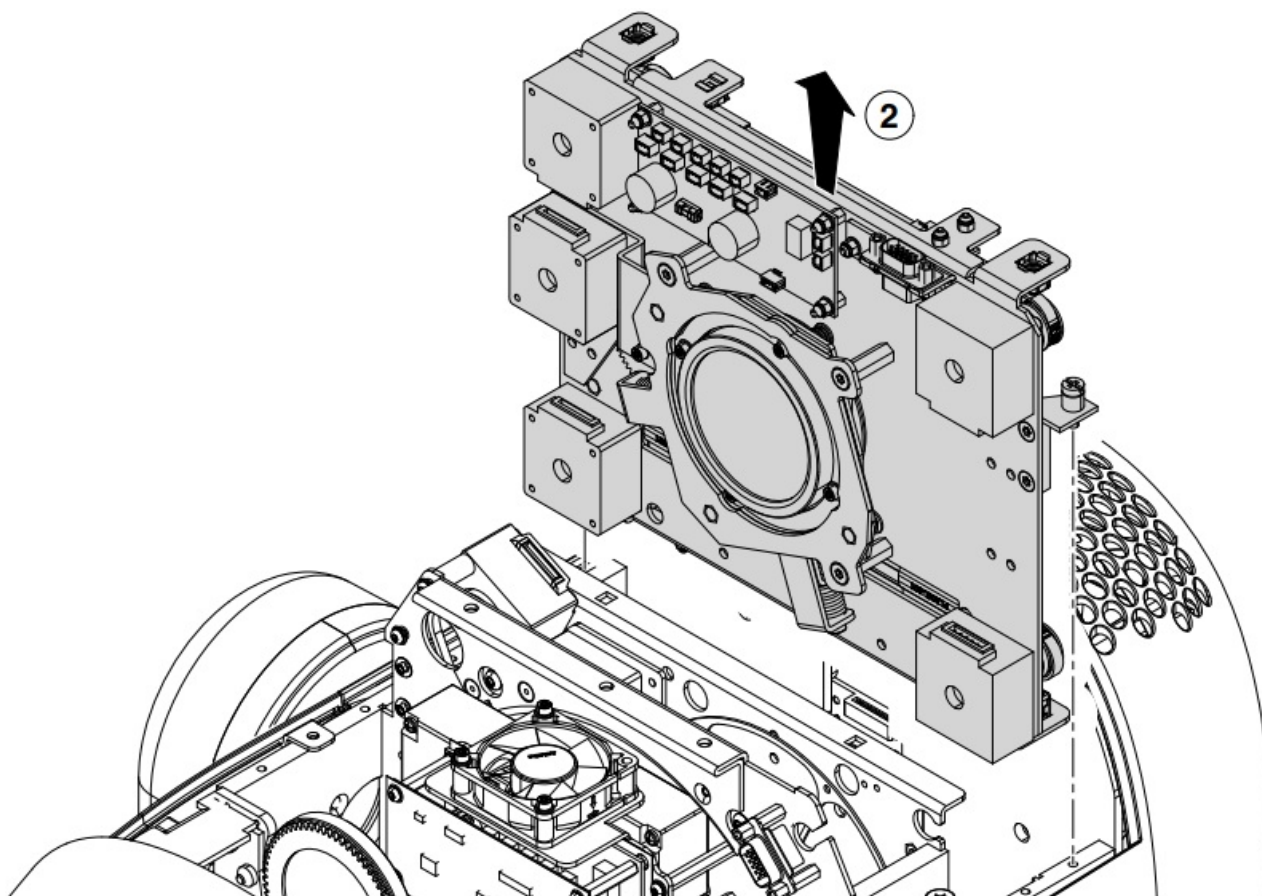
**NOTE:**

- Do not disconnect wiring harnesses when the fixtures is switched-on, to avoid to damage electronic boards.
- Do not switch-on the fixtures with wiring harness disconnected.

[15]



**a) Upper side**

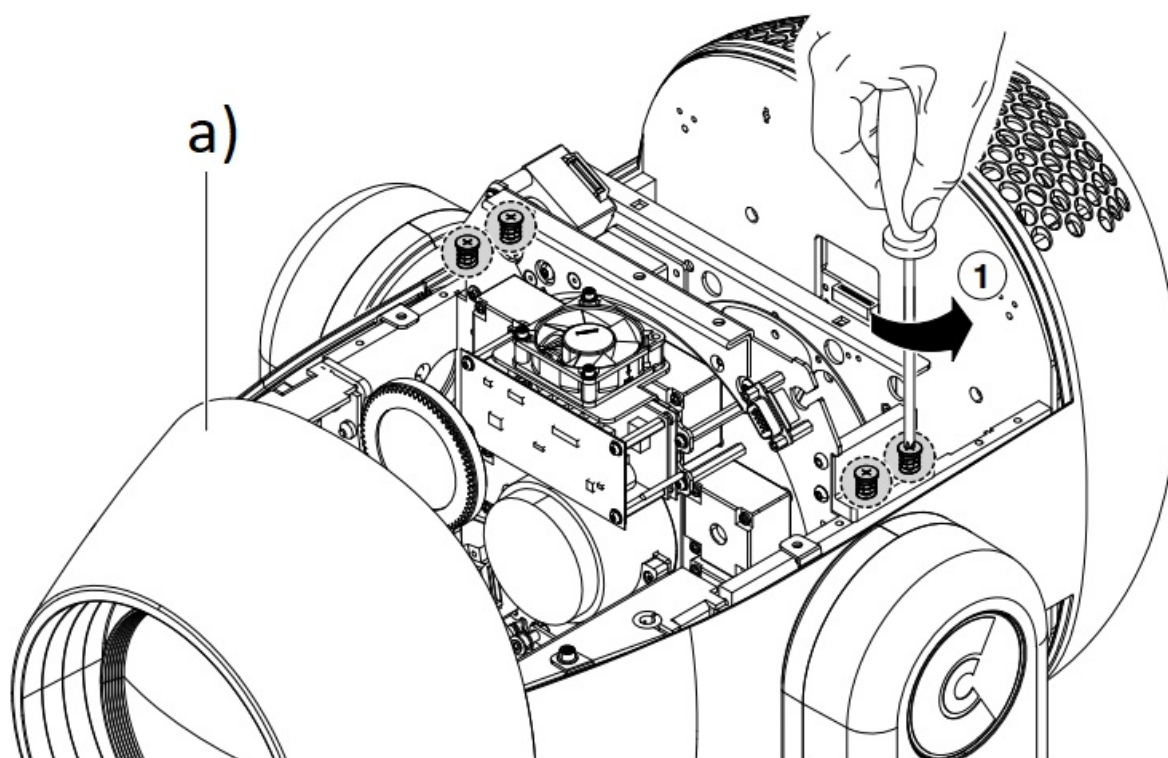


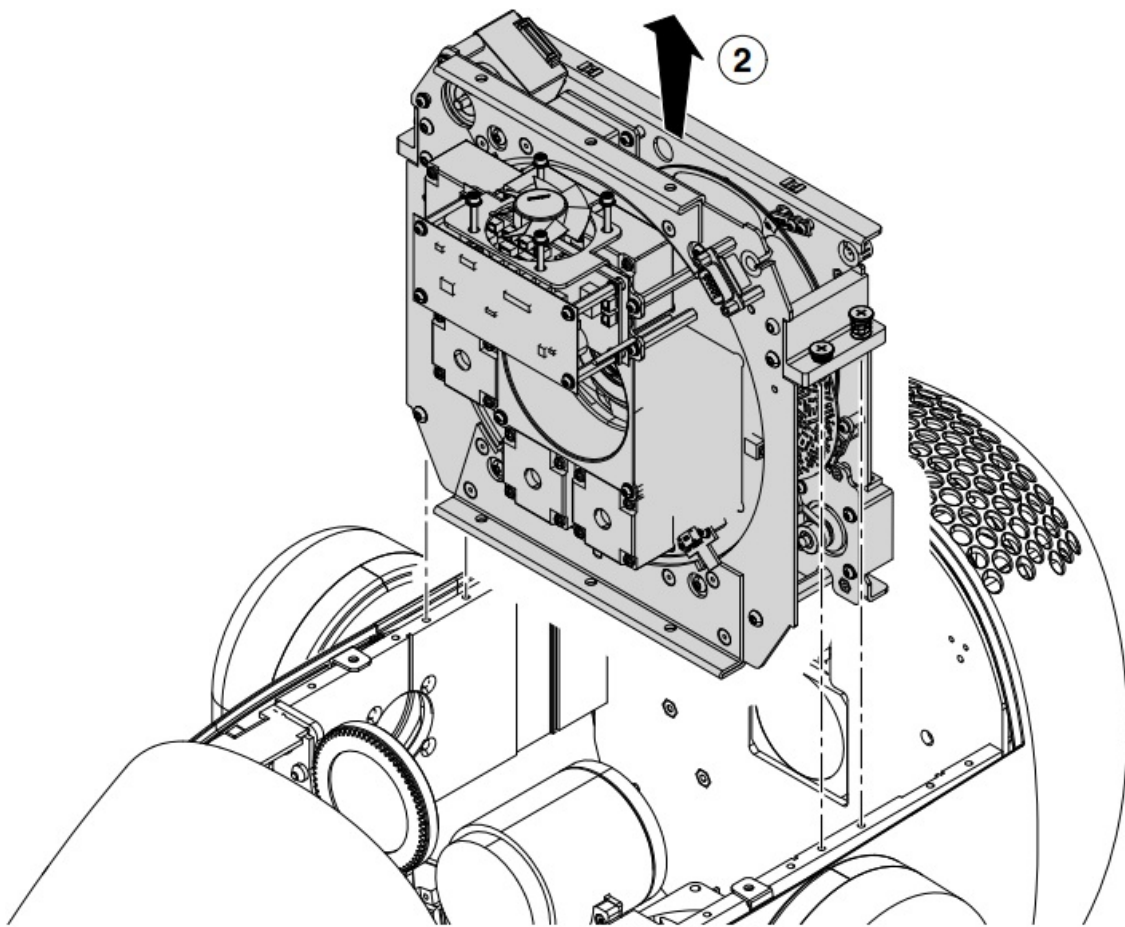
**Extraction of the effect modules** – Fig. 15.

**IMPORTANT:** Grasp the modules using the support structure and not the details which could get damaged.

**Insertion of the effect modules:** Repeat the operations indicated in Fig. 15, 16, 17 and 18 in reverse order.

[16]



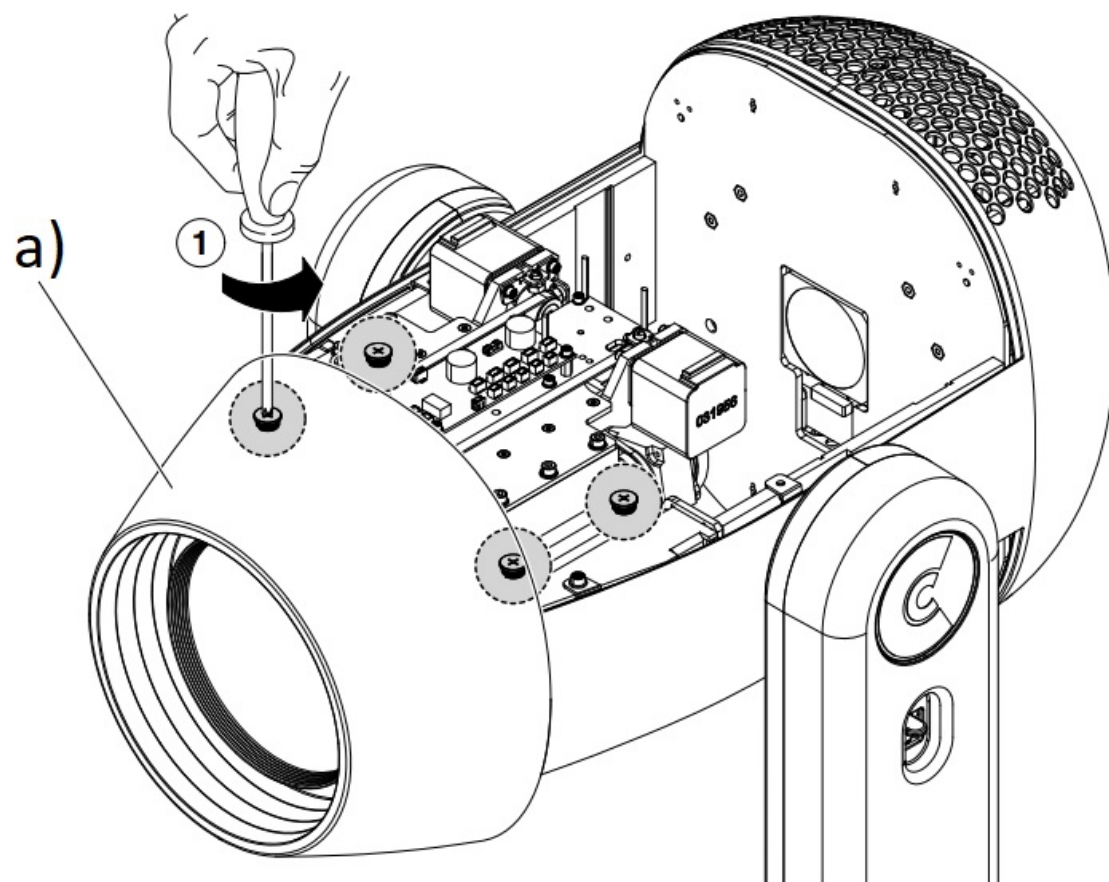


**Extraction of the effect modules – Fig. 16.**

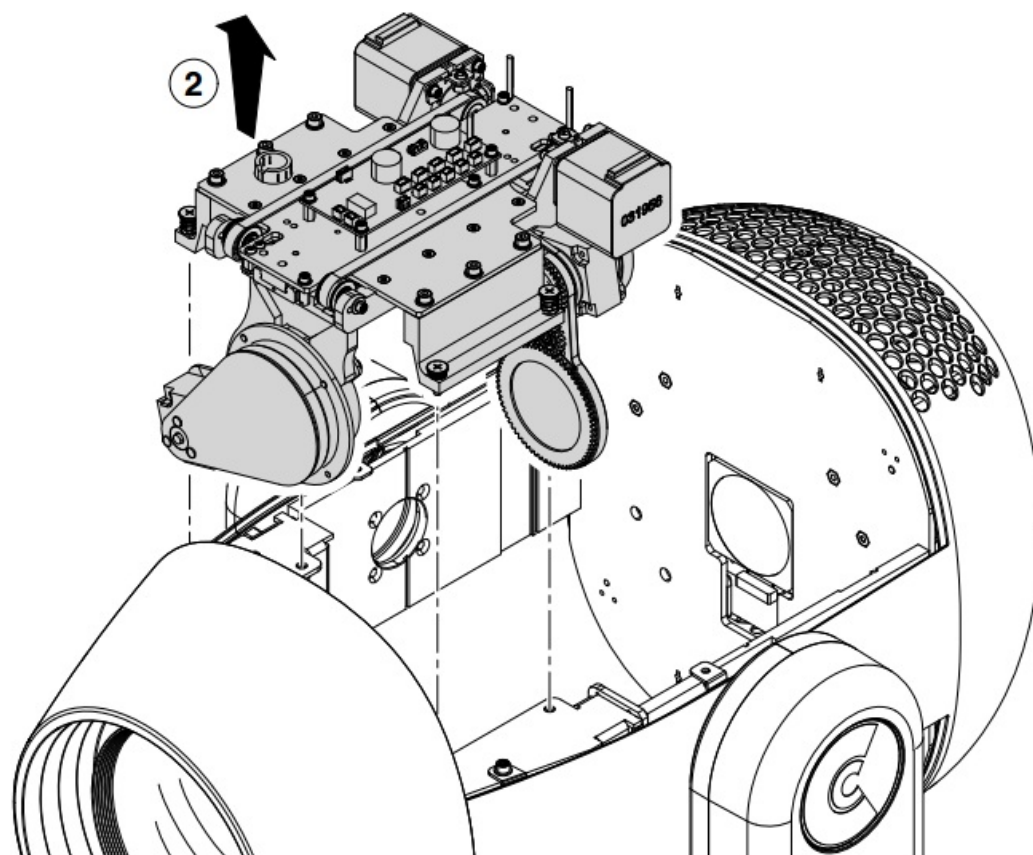
**IMPORTANT:** Grasp the modules using the support structure and not the details which could get damaged.

**Insertion of the effect modules:** Repeat the operations indicated in Fig. 15, 16, 17 and 18 in reverse order.





a) Lower side



Extraction of the effect modules – Fig. 17.

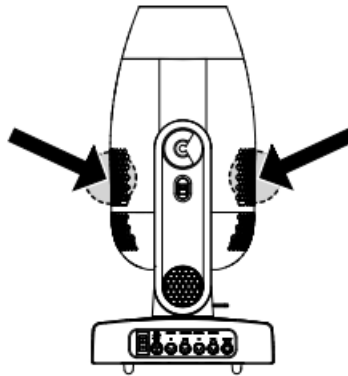
**IMPORTANT:** Grasp the modules using the support structure and not the details which could get

damaged.

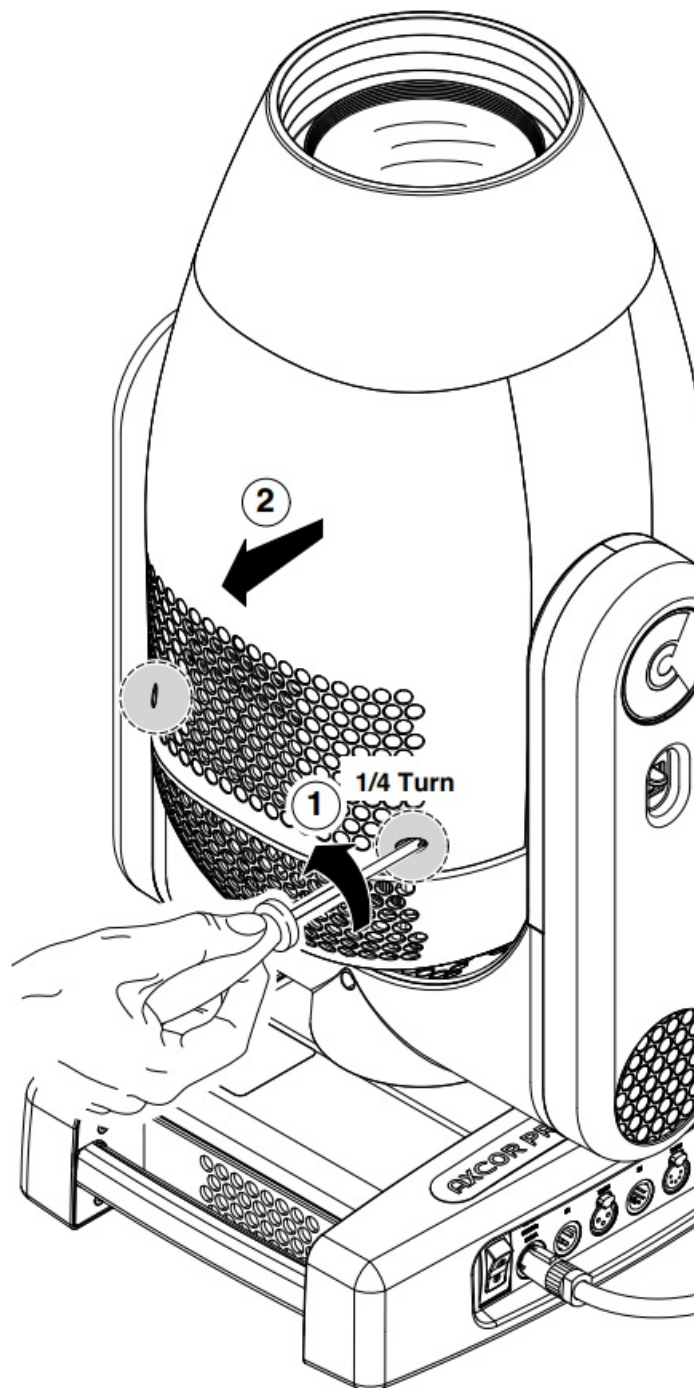
**Insertion of the effect modules:** Repeat the operations indicated in Fig. 15, 16, 17 and 18 in reverse order.

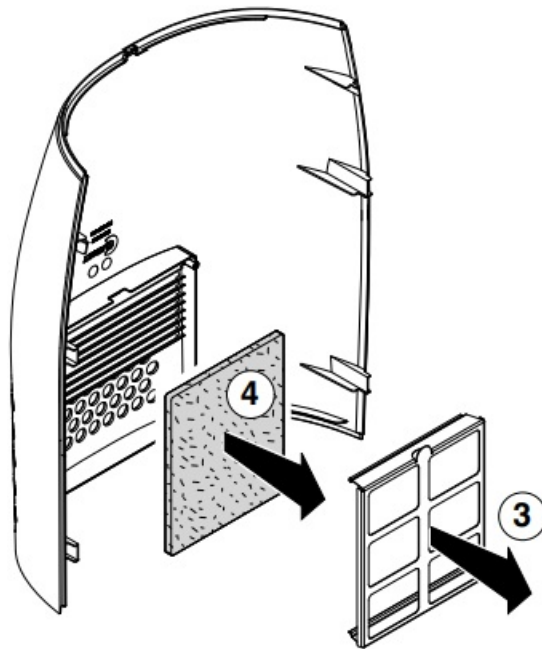
#### 4.4 – Cleaning of the filters

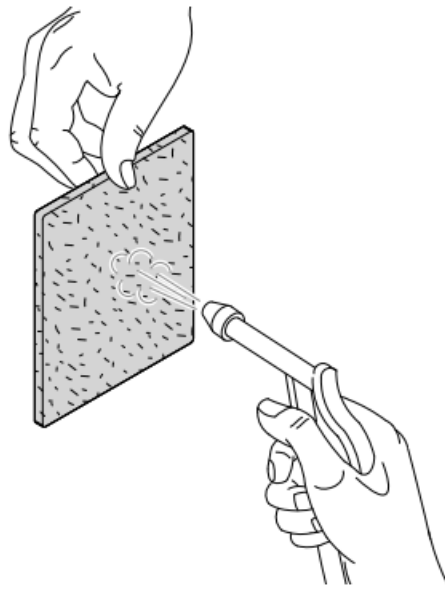
[18]



---

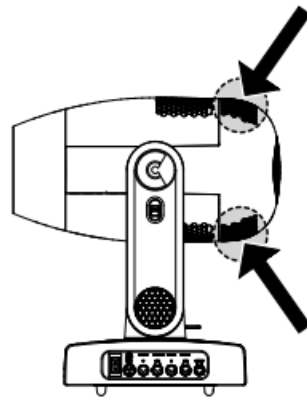




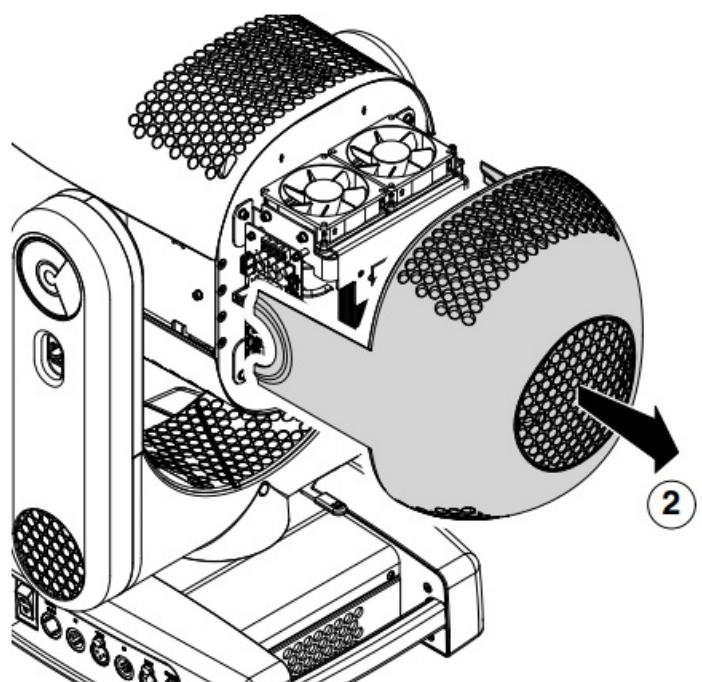
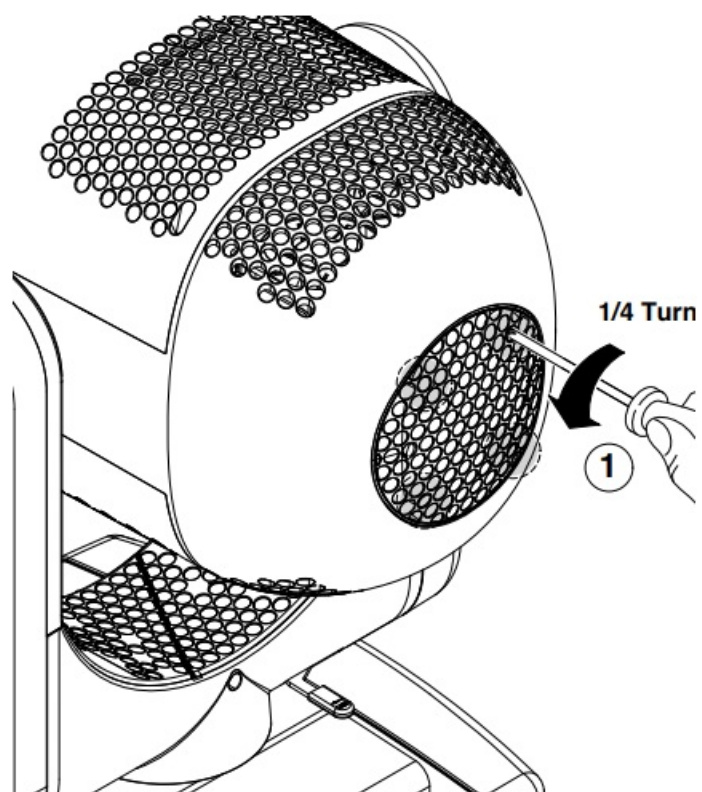


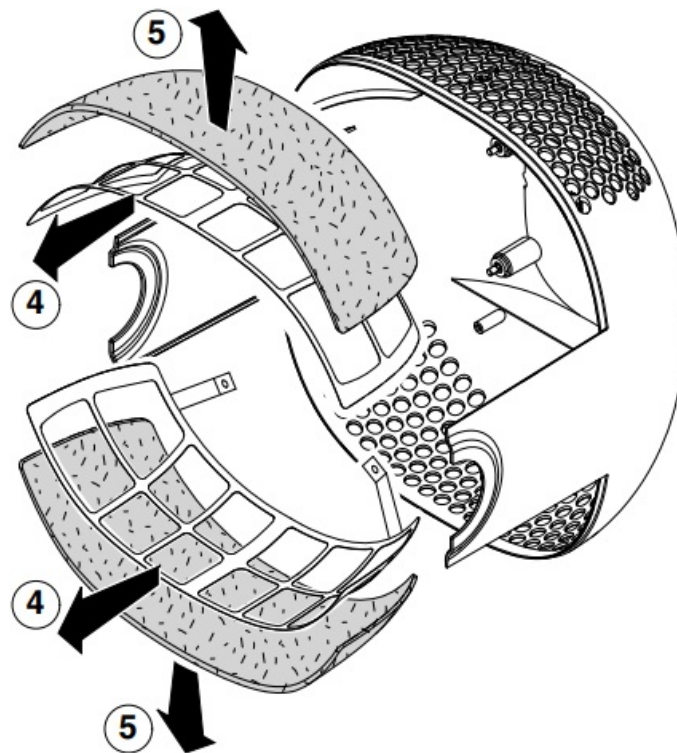
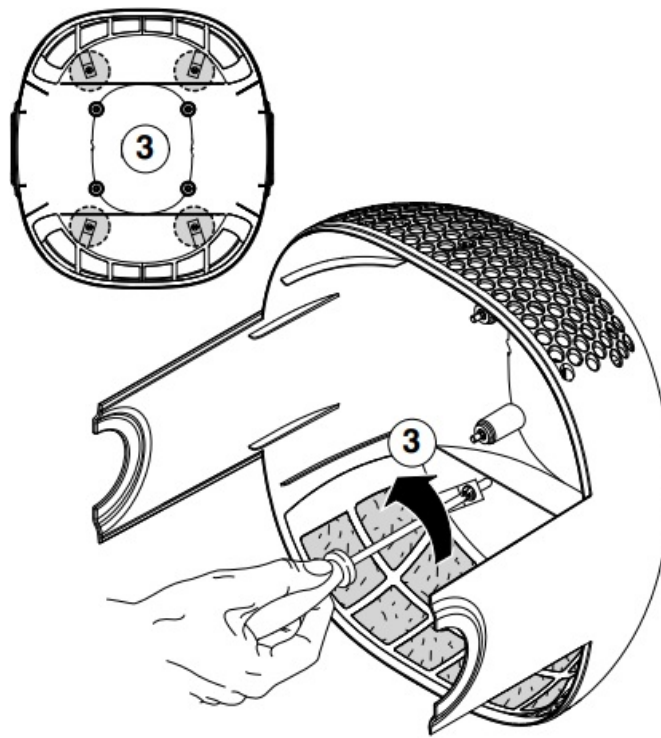
**Cleaning of the filters – Fig. 18.**

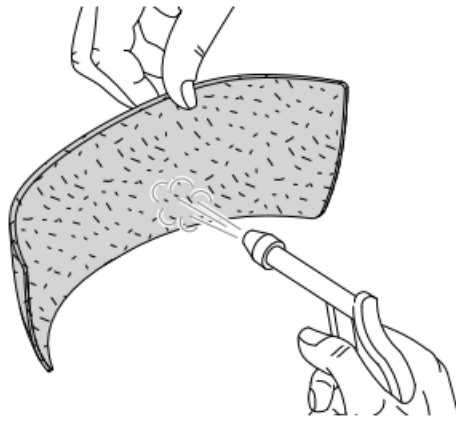
**[19]**







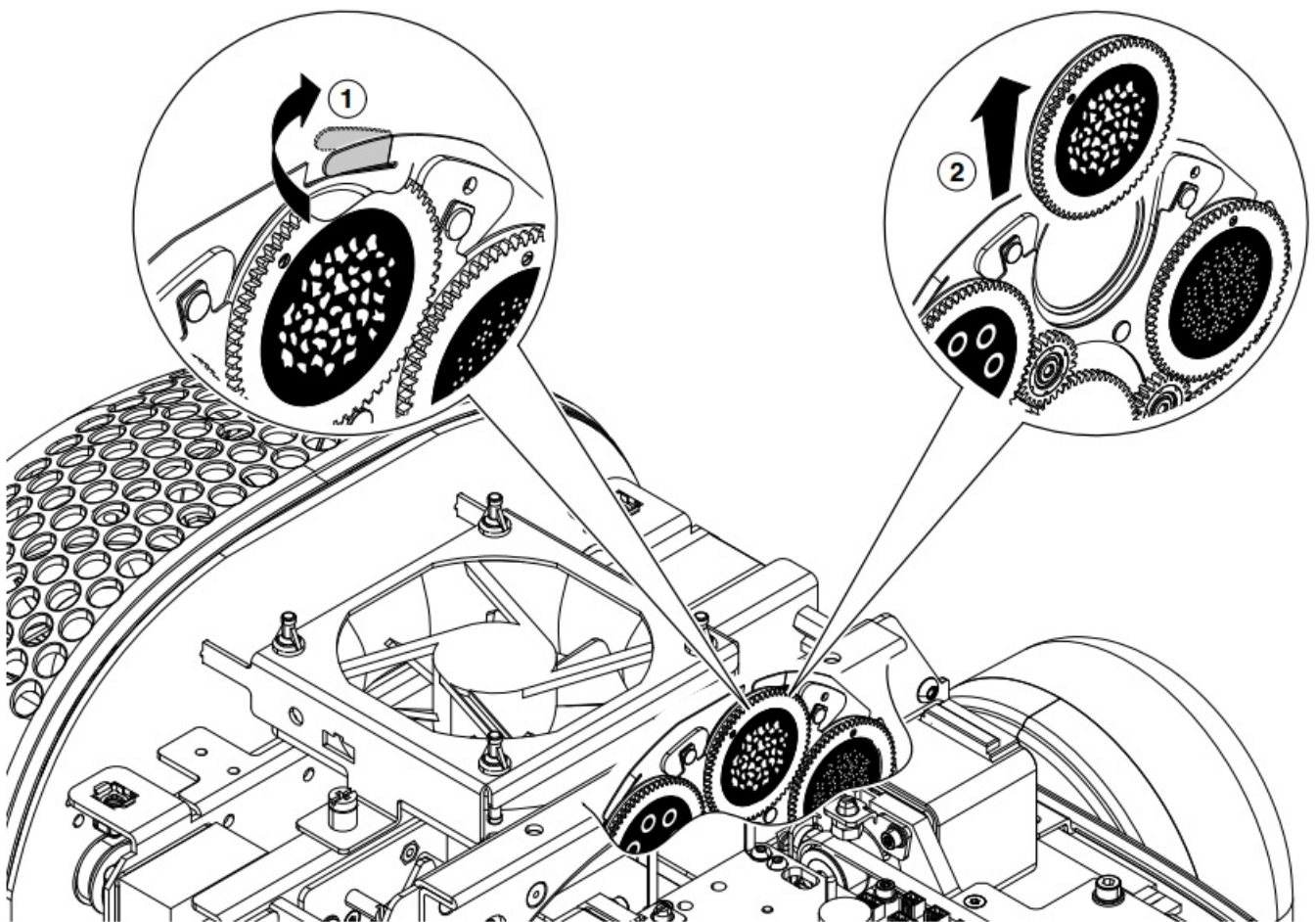




**Cleaning of the filters – Fig. 19.**

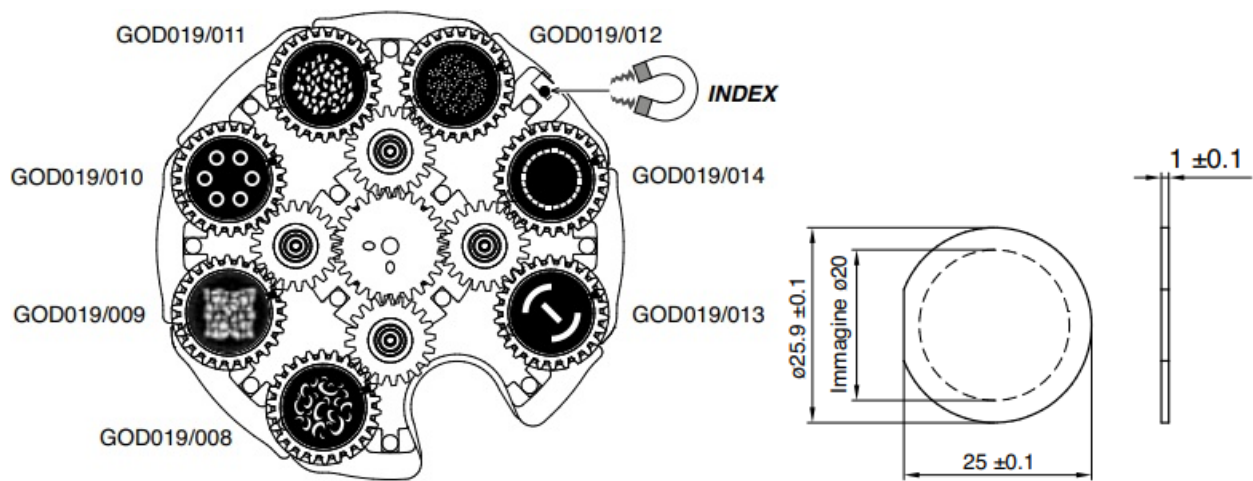
#### **4.5 – Rotating gobos**

[20]



**Bearing group replacement – Fig. 20**

[21]

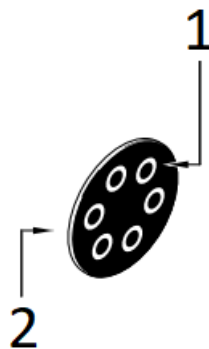


#### Replacing rotating gobos (max 20 mm image – thickness 1 mm) – Fig. 21

- Before use custom gobos contact Claypaky;
- The original gobos have a special coating designed specifically to resist to the high temperatures;
- The rotating gobo wheel only use dichroic glass gobos (it is not possible to use metal gobos);
- For more information contact Claypaky;

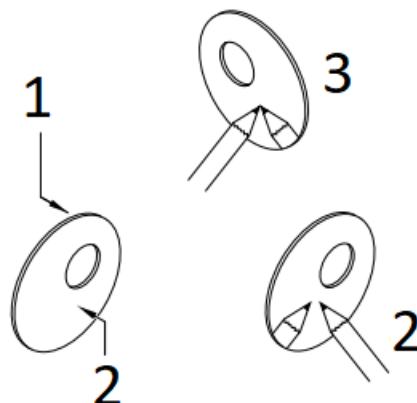
[22]

#### COATED GLASS GOBOS TYPE 1



1. Grey/Black side away from light source
2. Reflective side towards light source

#### COATED GLASS GOBOS TYPE 2





1. Coated side towards light source
2. Uncoated side
3. Coated side

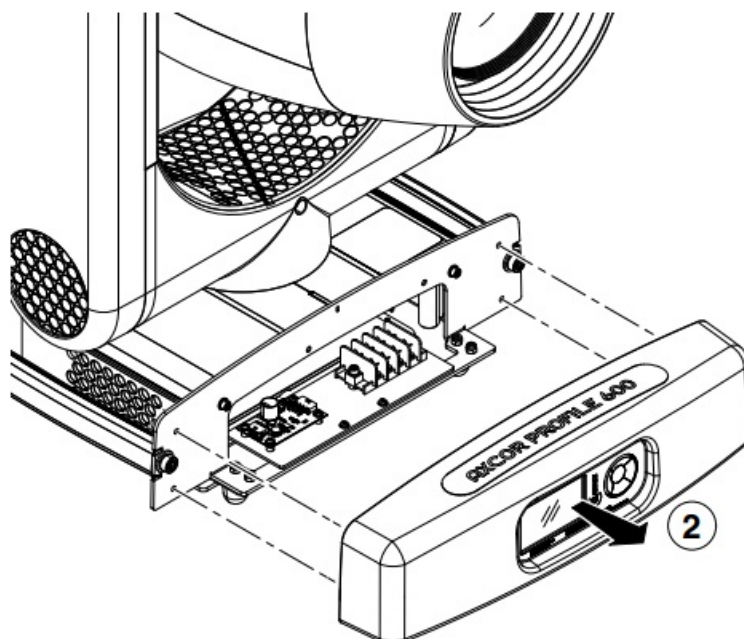
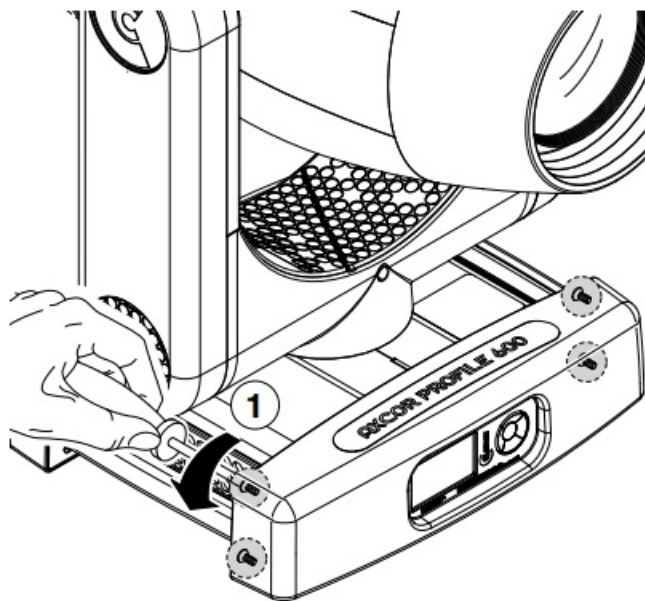
To determine which side of a gobo is coated, hold an object up to it. On the uncoated side, there is a space between the object and its reflection.

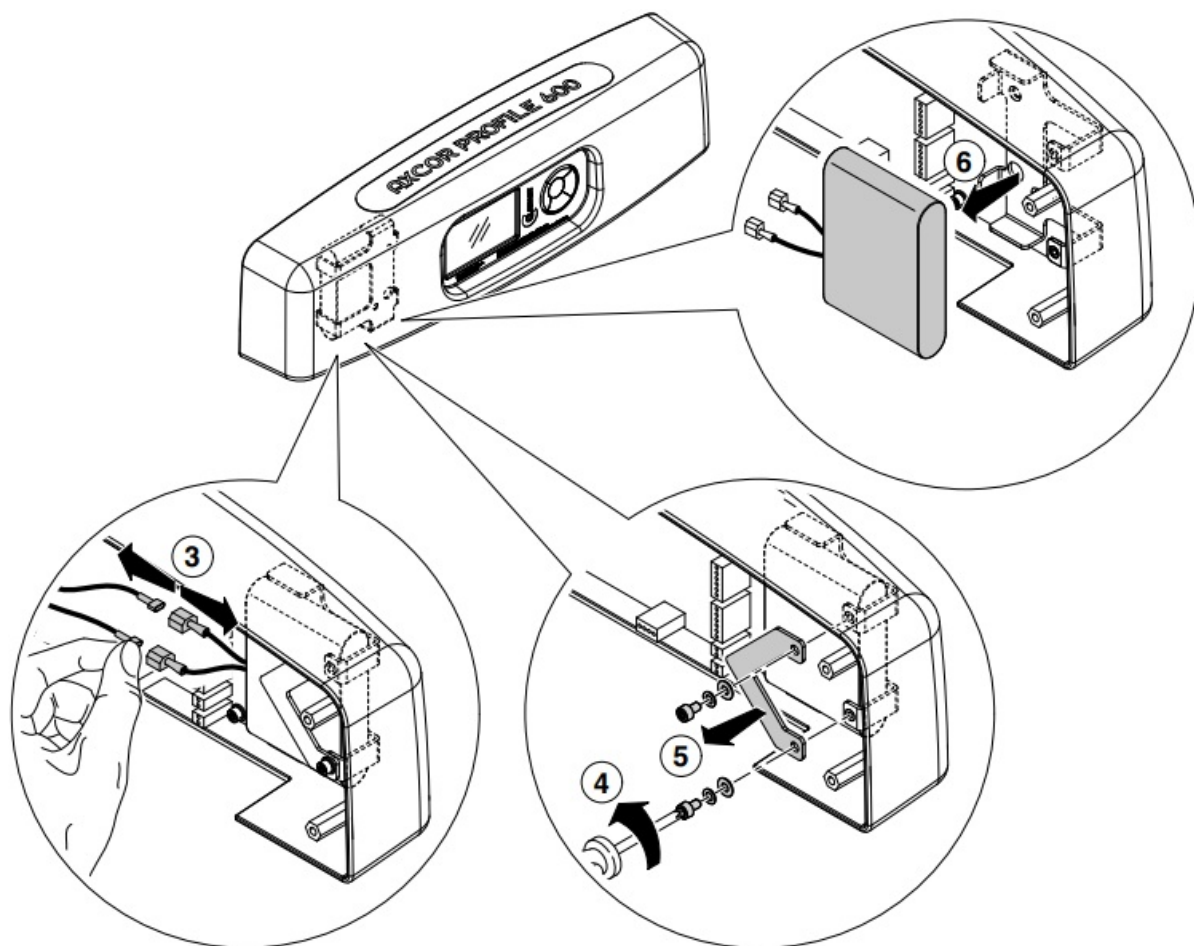
#### **Gobo orientation** – Fig. 22

The pictures shown the correct gobos orientation.

#### **4.6 Battery removal**

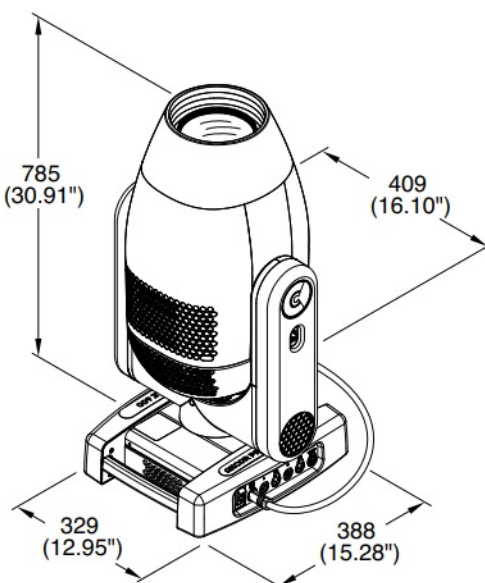
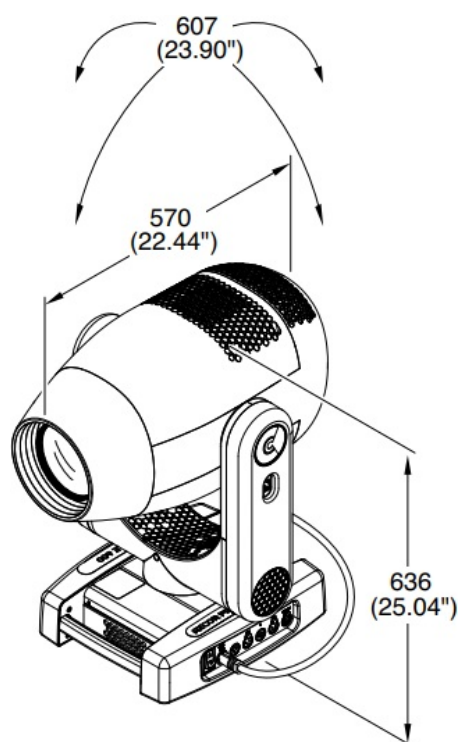
[23]






This product contains a rechargeable battery. To preserve the environment, please dispose the battery at the end of its life according to the regulation in force.

## 5. DIMENSIONS



## Documents / Resources

	<p><a href="#">CLAYPAKY C61705 Axcor Profile</a> [pdf] Instruction Manual C61705, C61706, C61708, C61709, C61705 Axcor Profile, C61705, Axcor Profile, Profile</p>
---	--

## References

- [🇪🇺 Claypaky | Professional Lighting](#)
- [🇪🇺 Claypaky - home](#)
- [User Manual](#)

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

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.