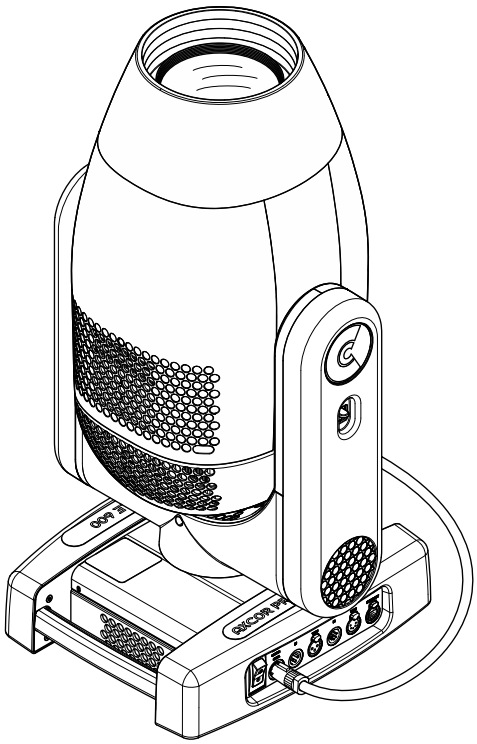
ENGLISH

AXCOR PROFILE 600 - AXCOR PROFILE 600 HC
AXCOR PROFILE 600 ST
AXCOR PROFILE 600 HC-ST

C61705
C61706
C61708
C61709

INSTRUCTION MANUAL



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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

EN

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
Ref: FIS00W - Safety Information Axcor 600 series

IT

INFORMAZIONI DI SICUREZZA
IMPORTANTE: Claypaky raccomanda di leggere accuratamente e conservare le informazioni di sicurezza relative a questo prodotto, sempre reperibili in versione digitale al seguente link:
www.claypaky.com
Rif: FIS00W - Safety Information Axcor 600 series

DE

INFORMATIONEN ZUR SICHERHEIT
WICHTIG: Claypaky empfiehlt, die Sicherheitsinformationen bezüglich dieses Produkts genau zu lesen und aufzubewahren. Sie sind in Digitalversion immer unter folgendem Link auffindbar:
www.claypaky.com
Ref: FIS00W - Safety Information Axcor 600 series

ES

INFORMACIONES DE SEGURIDAD
IMPORTANTE: Claypaky recomienda leer detenidamente y conservar la información de seguridad relativa a este producto. Además, está disponible una versión digital de la misma en el siguiente enlace:
www.claypaky.com
Ref: FIS00W - Safety Information Axcor 600 series

FR

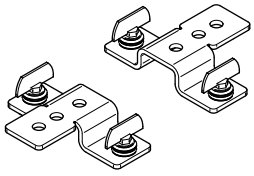
CONSIGNES DE SÉCURITÉ
IMPORTANT: Claypaky recommande de lire attentivement et de conserver les informations de sécurité relatives à ce produit, disponibles en version digitale au lien suivant:
www.claypaky.com
Réf. : FIS00W - Safety Information Axcor 600 series

RU

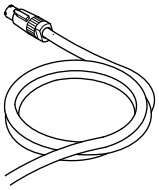
ИНСТРУКЦИЮ ПО ТЕХНИКЕ БЕЗОПАСНОСТИ
ВАЖНО: Claypaky рекомендует внимательно прочитать и сохранить инструкцию по технике безопасности данного изделия, которая всегда доступна в электронном формате по следующей ссылке:
www.claypaky.com
Наименование: FIS00W - Safety Information Axcor 600 series

2. UNPACKING AND PREPARATION

1

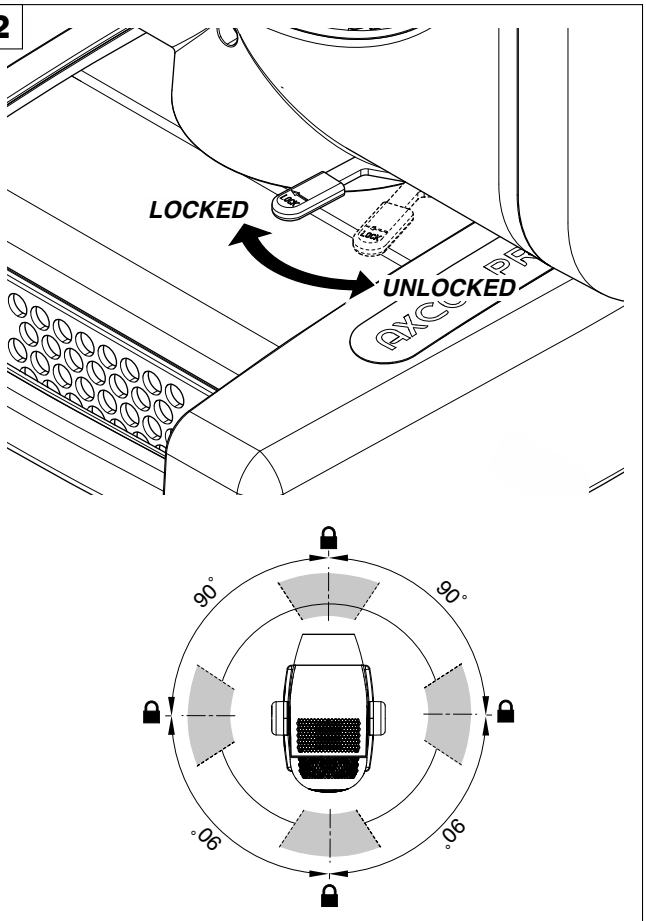


2 x 183102/805



Packing contents - Fig. 1

2



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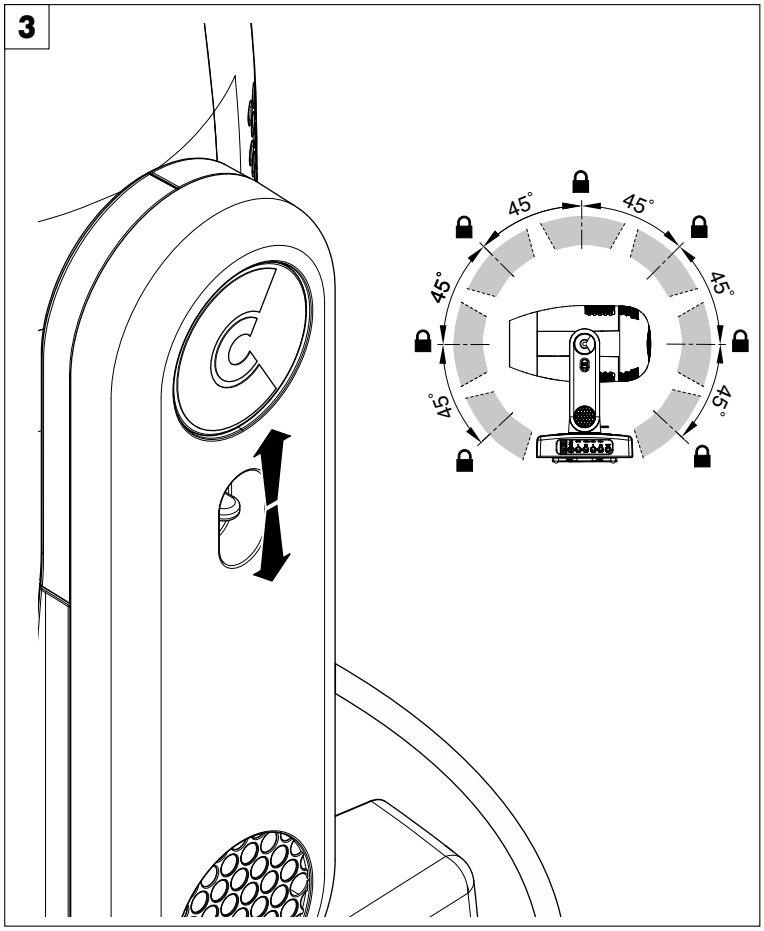
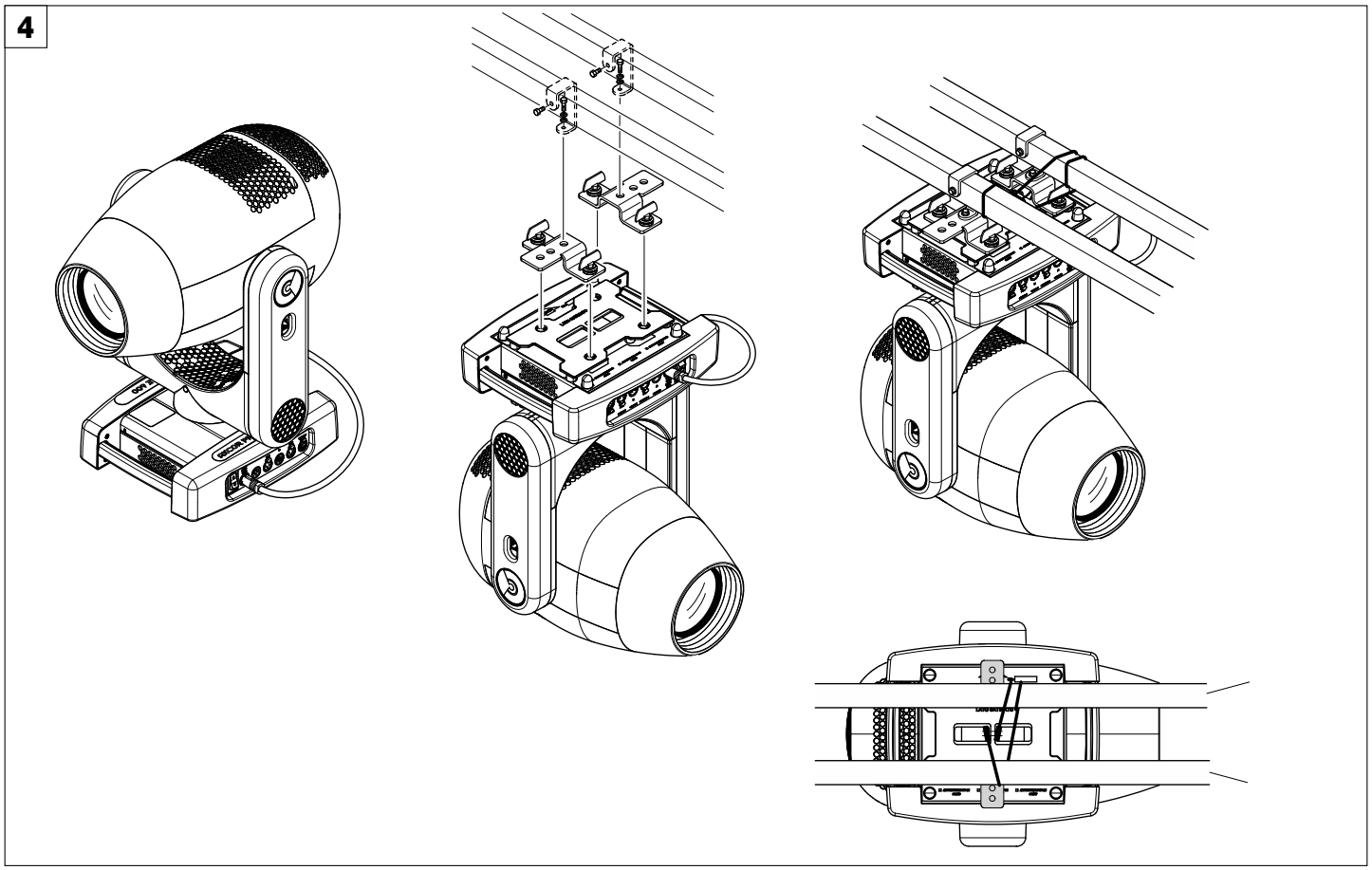


PAN Mechanism Lock and Release (every 90°) - Fig. 2

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

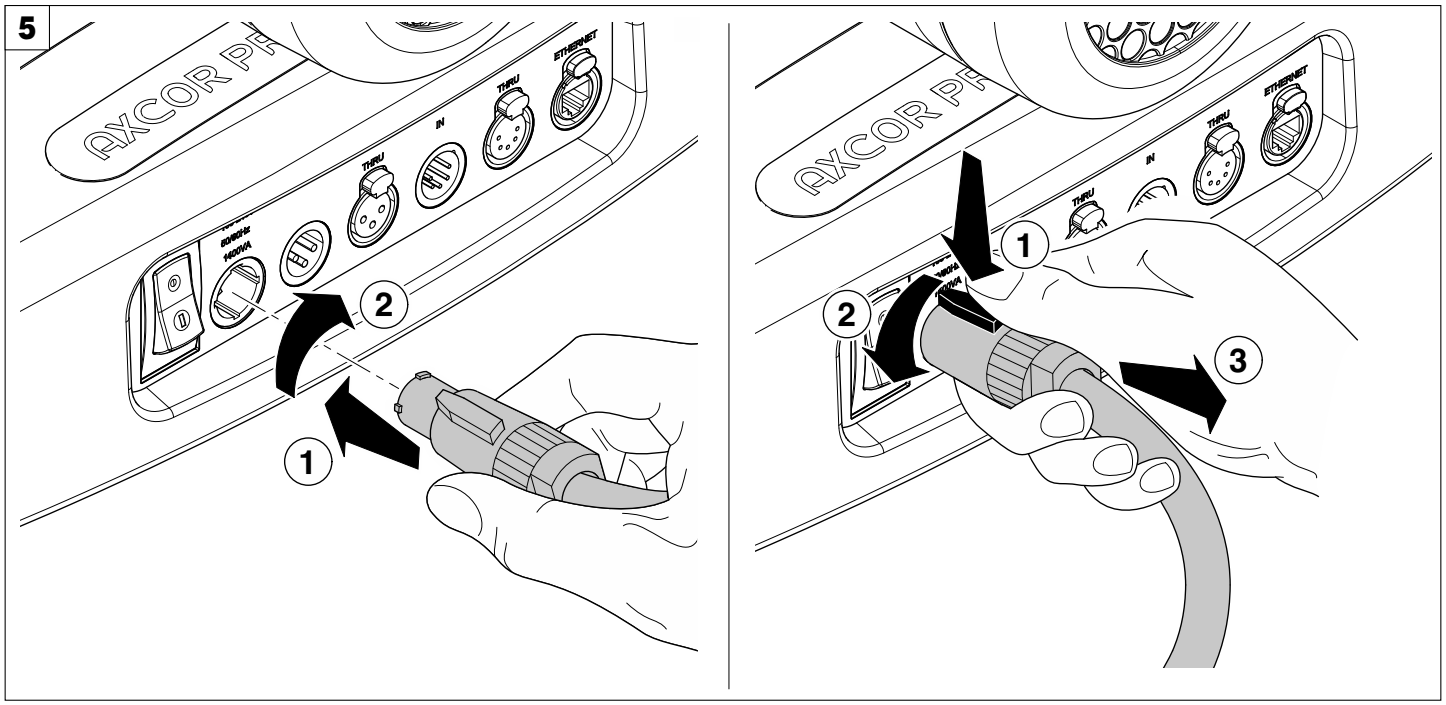
3. INSTALLATION AND START-UP

3.1 Installing the fixture



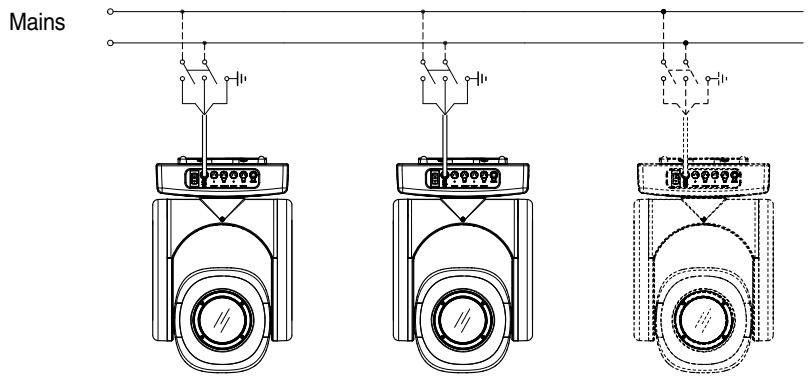
Installing the projector - Fig. 4
The projector can be installed on the floor resting on special rubber feet, on a truss or on the ceiling or wall.
WARNING: ***with the exception of when the projector is positioned on the floor, the safety cable must be fitted. (Cod. 105041/001 available on request). 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 manis supply



Connecting and disconnecting power cable - Fig. 5

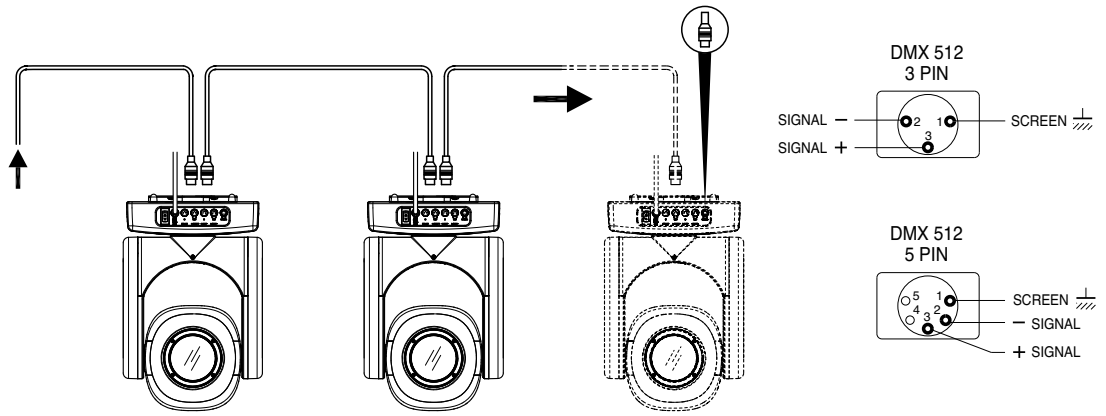
6



Connecting to the mains supply - Fig. 6

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

7



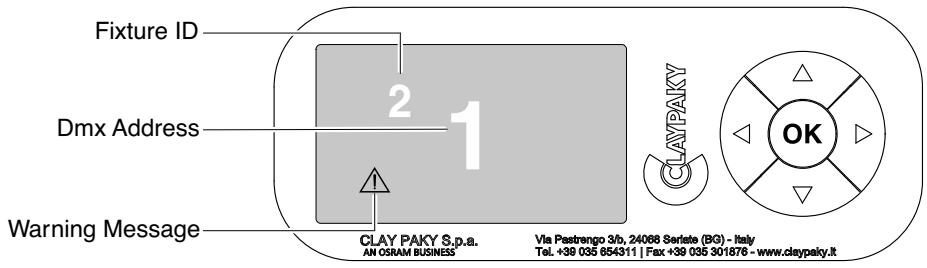
Connecting to the control signal line (DMX) - Fig. 7

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

8



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:

CLAYPAKY AN OSRAM BUSINESS	**Model** **Axcor** **600**	**Firmware** **Version X.X.X** **Date - Hour**	**xxx (Fixture ID)** **Dmx Address xxx**	**System errors** **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 than when this condition occurs, any possible value that has been modified but not yet confirmed with the OK key will be cancelled.

Continue →

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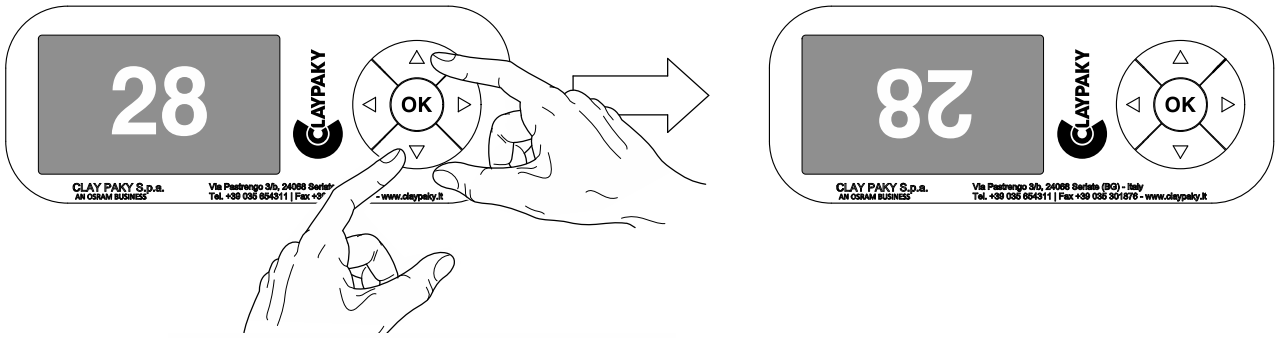


Reversal of the display - Fig. 9

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).

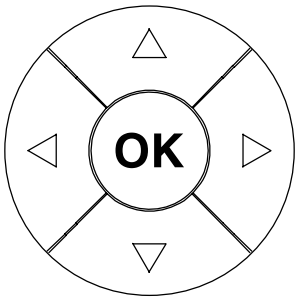
The address can also be set with the projector switched off.

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



OK	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" menù.

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 functionning 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.

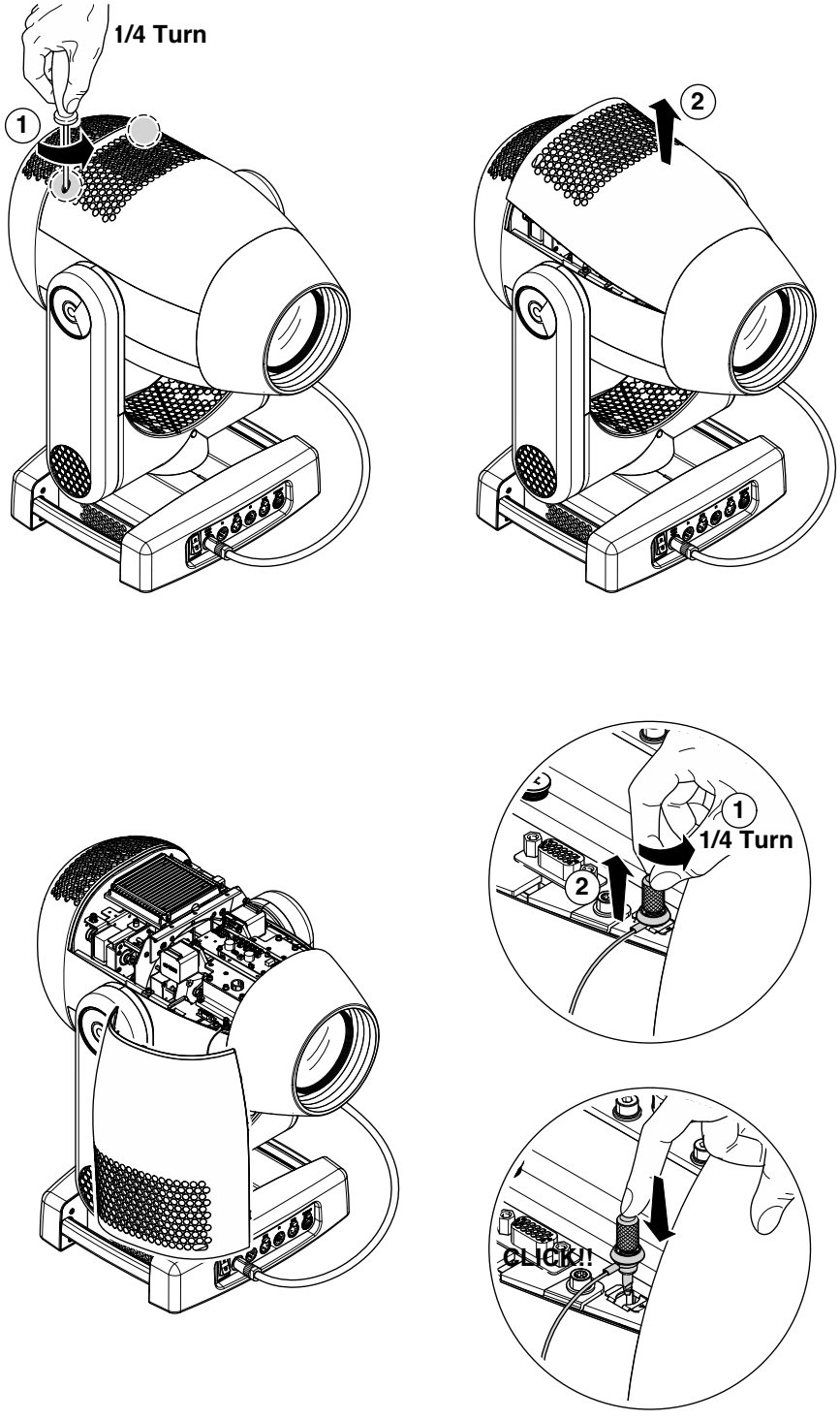
Setting addresses and options with the projector disconnected

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.

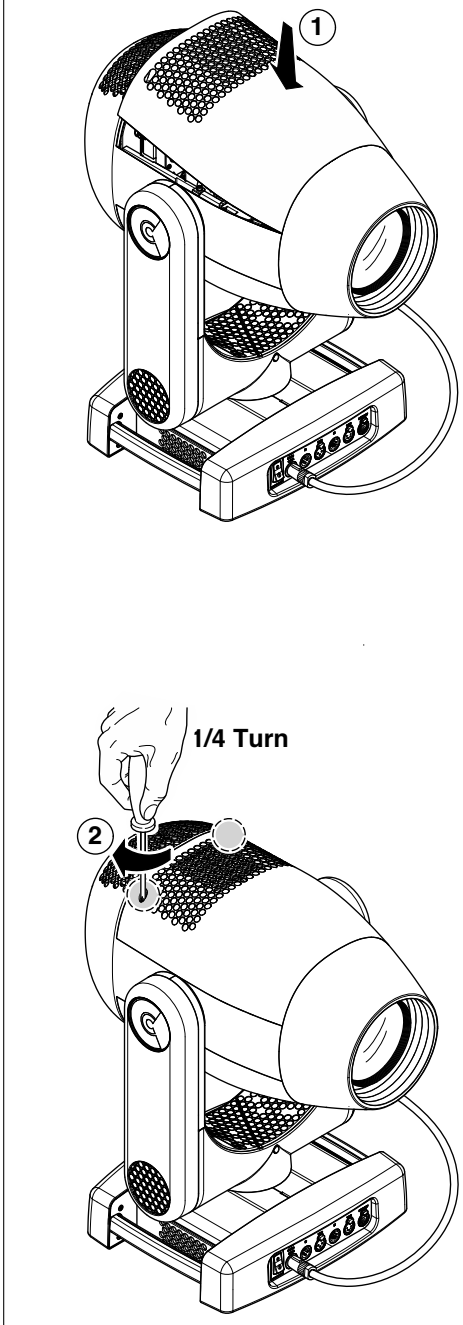
4. MAINTENANCE

4.1 Opening the covers

10



11



Locking and releasing Pan and Tilt movements - Refer to the instructions in the UNPACKING AND PREPARATION section.
Opening the head covers - Fig. 10.

Closing the head covers - Fig. 11.

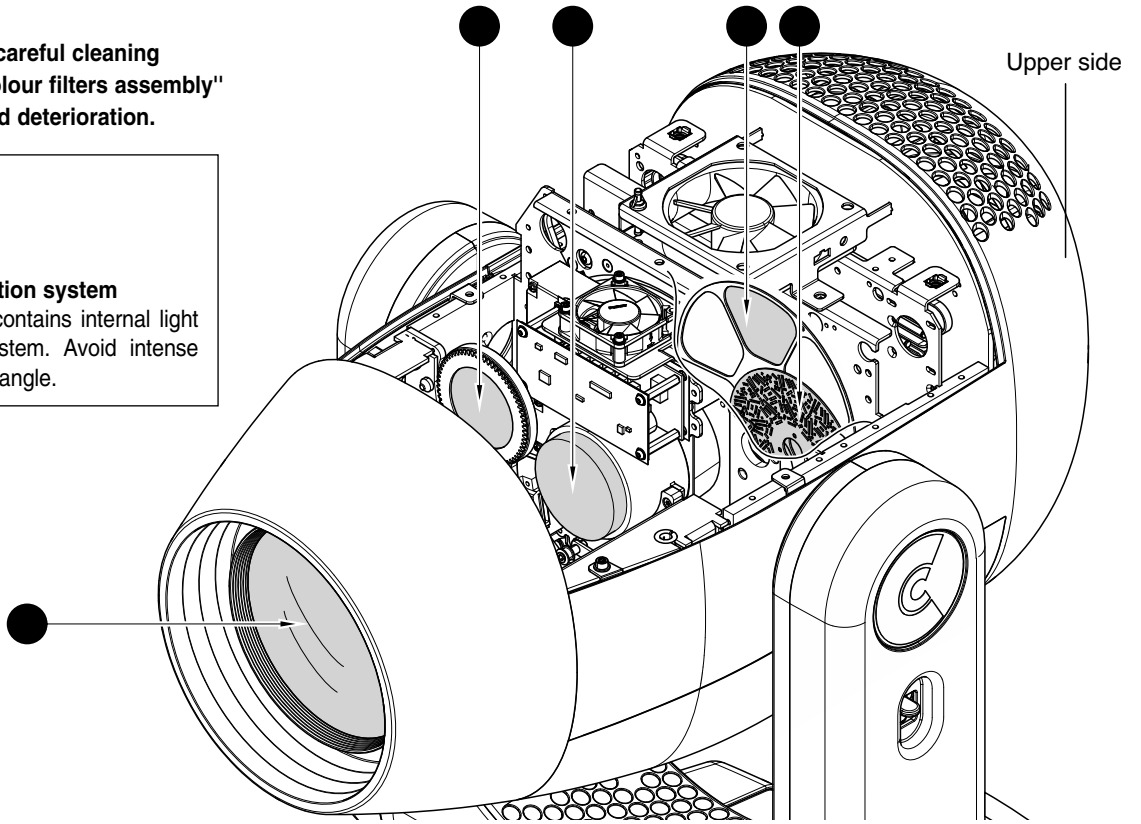
Continue →

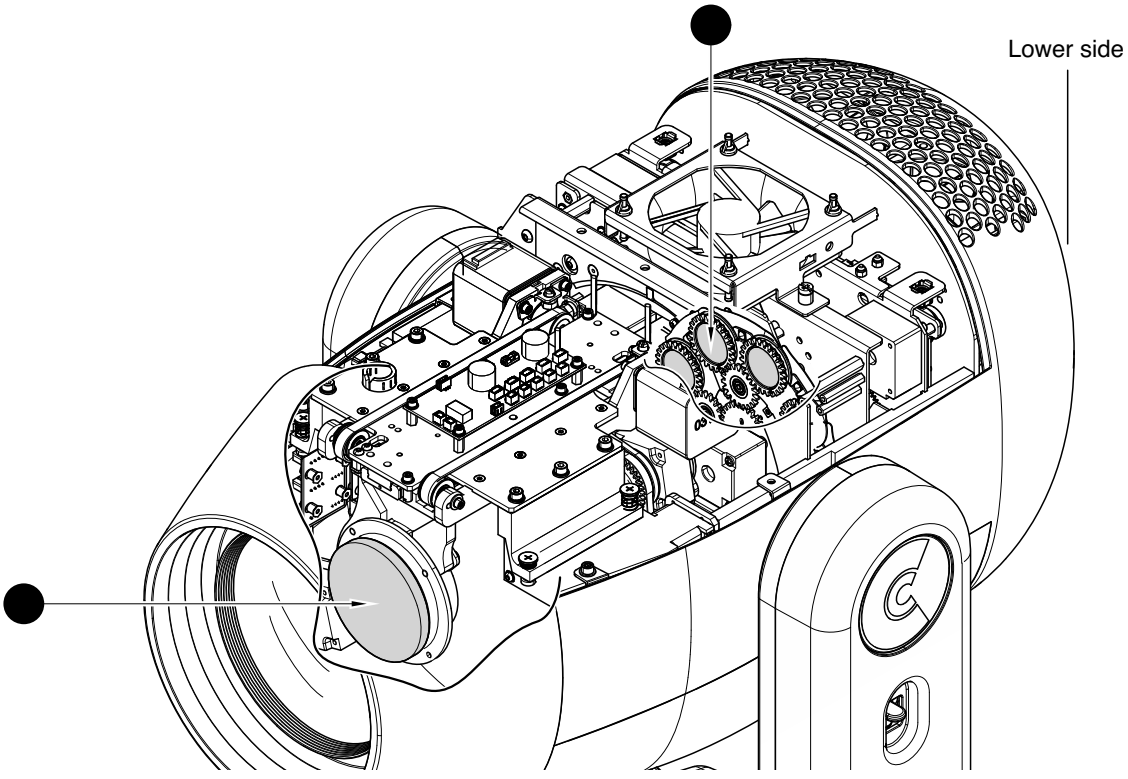
4.2 Periodical cleaning

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.





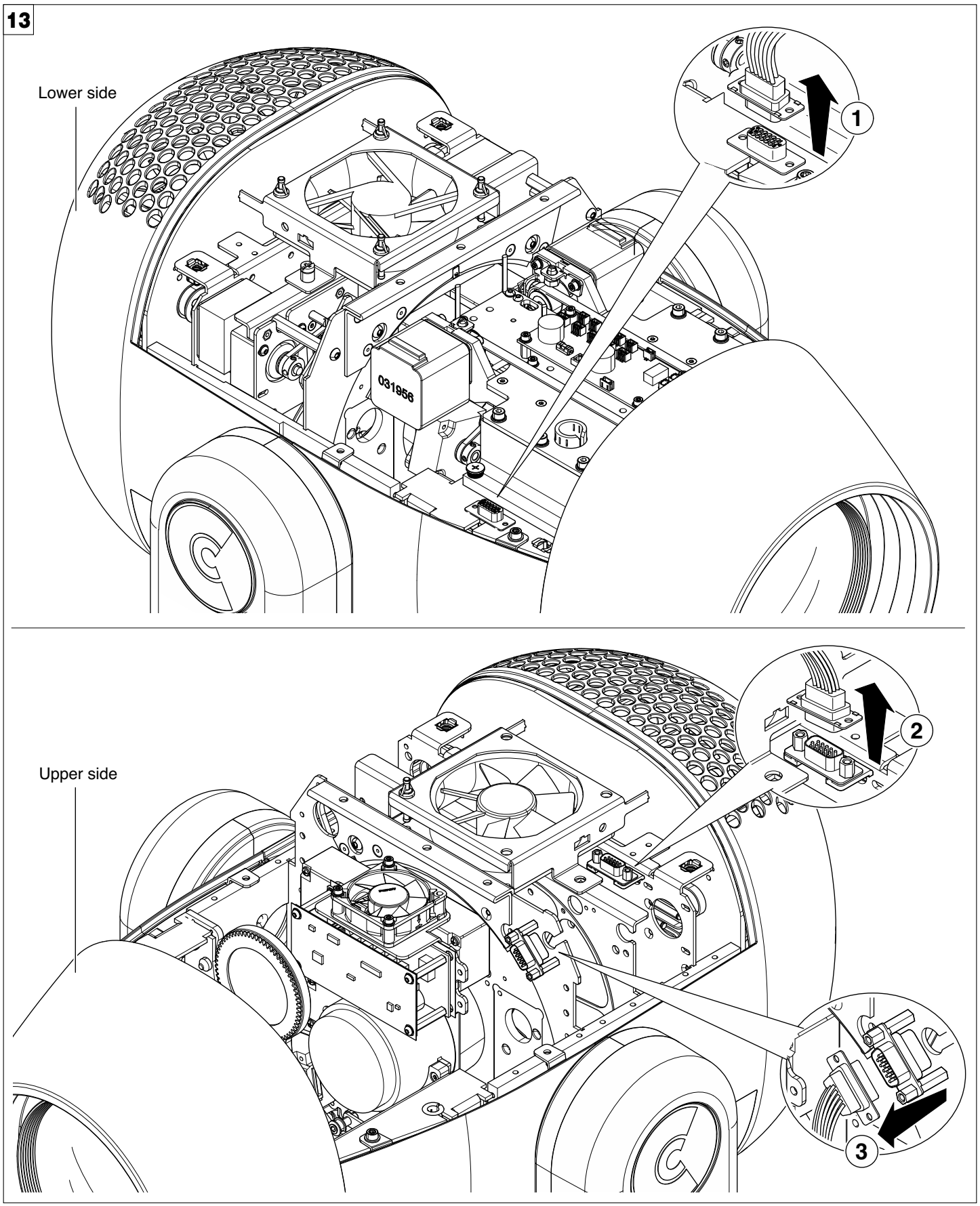
Periodical cleaning - Fig. 12

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



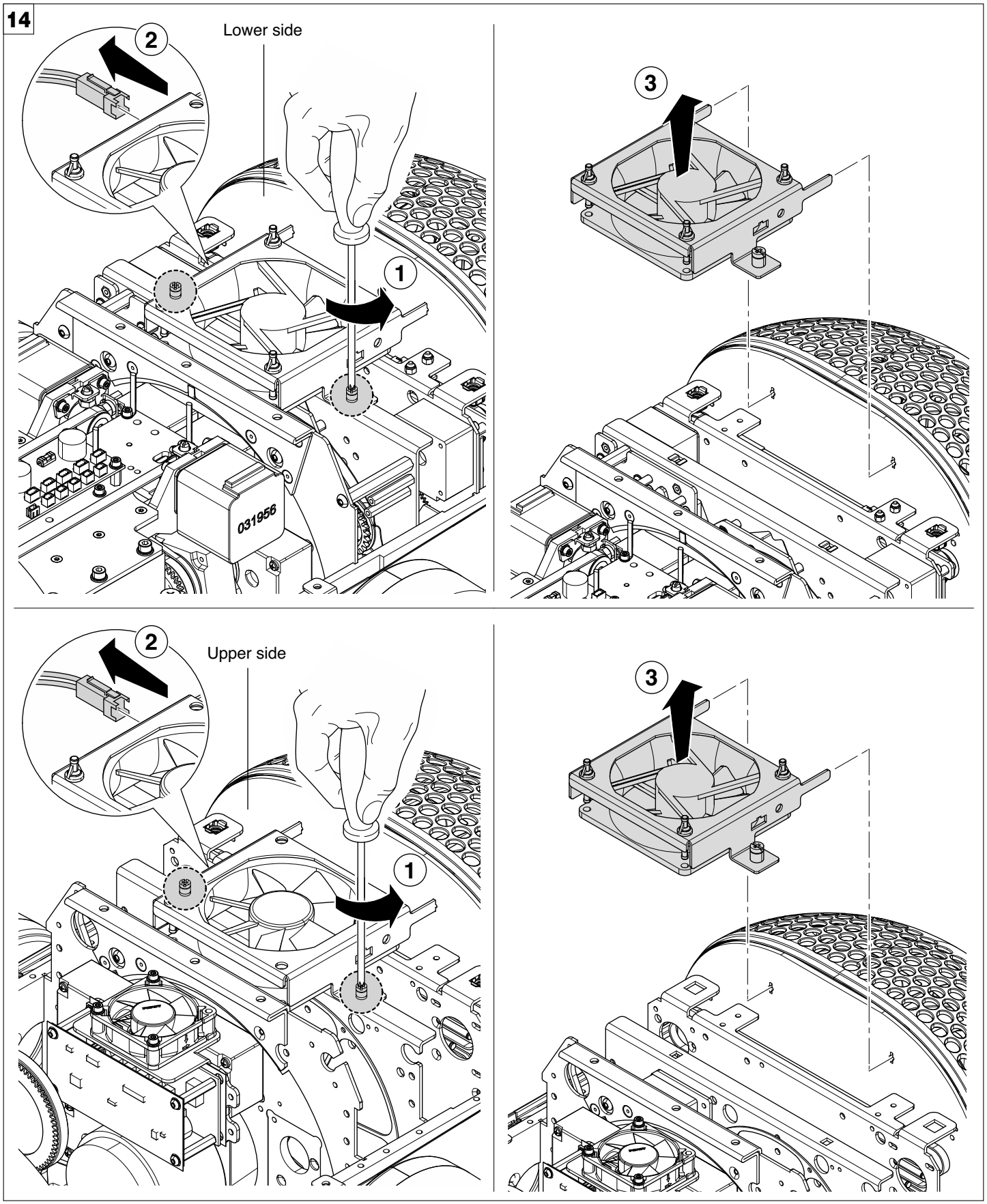
Extraction of the effect modules: Preliminary operations - Fig. 13.

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.

Continue →



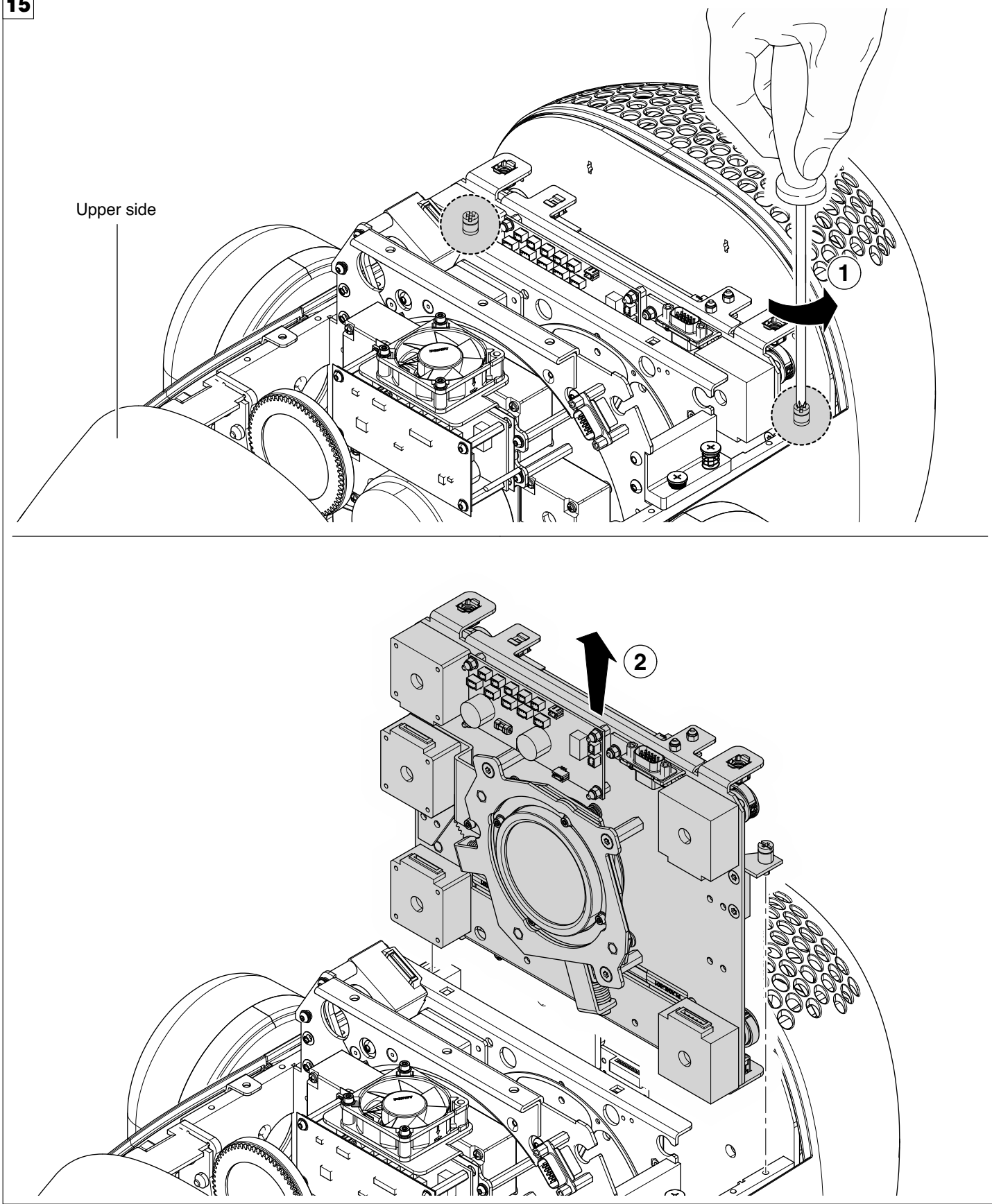
Extraction of the effect modules: Preliminary operations - Fig. 14.

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.

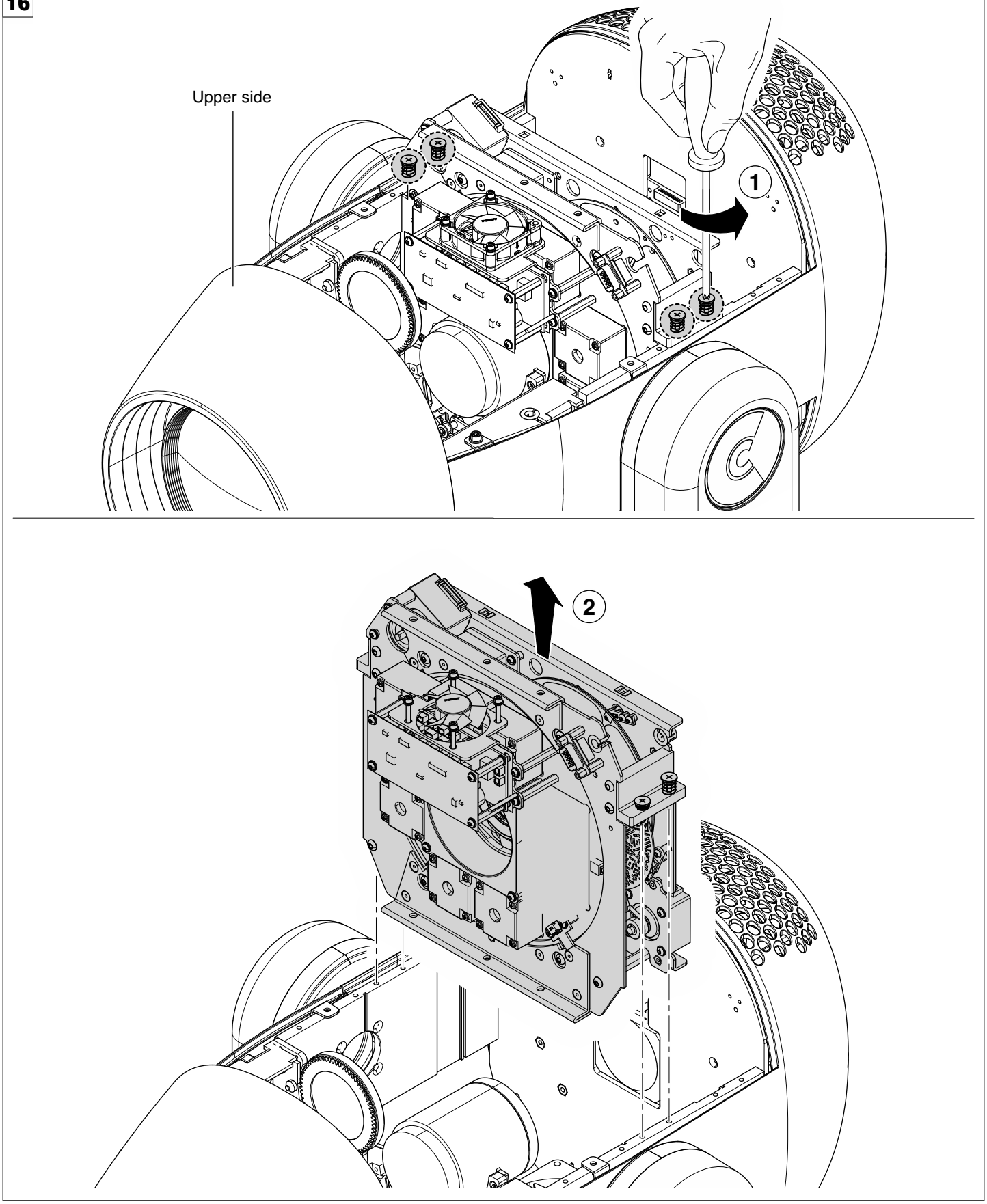
15



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.

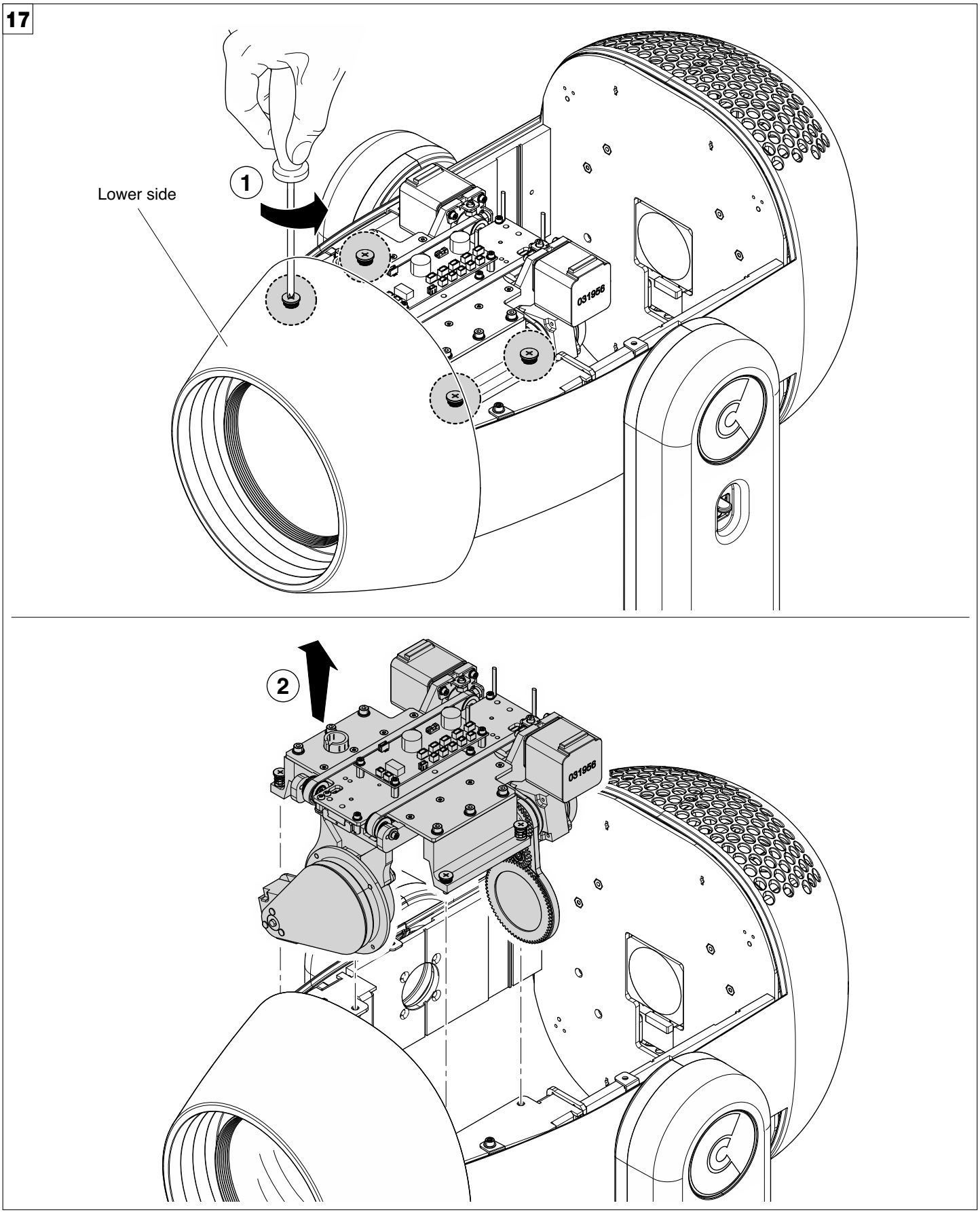
Continue →

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.

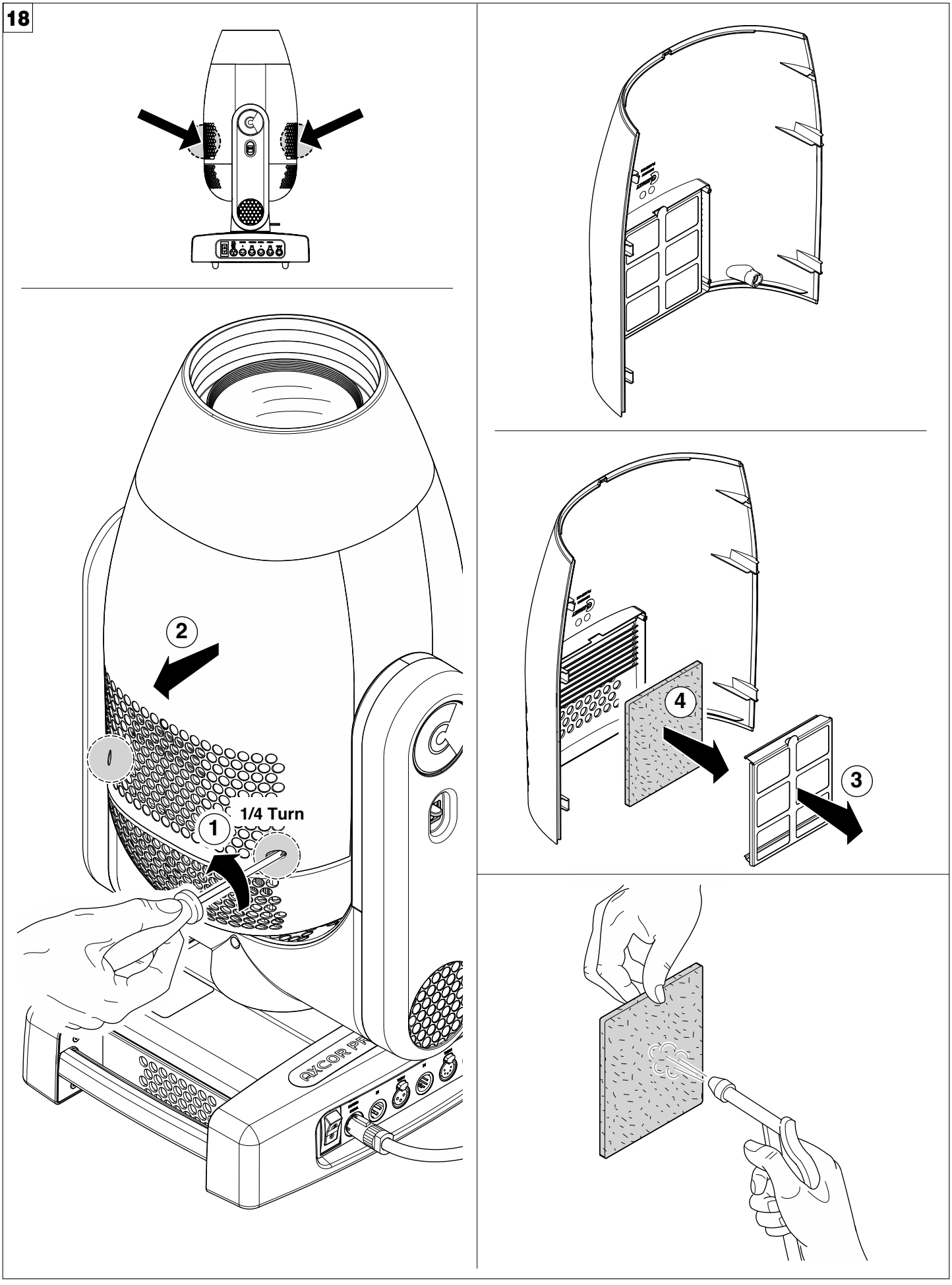
17



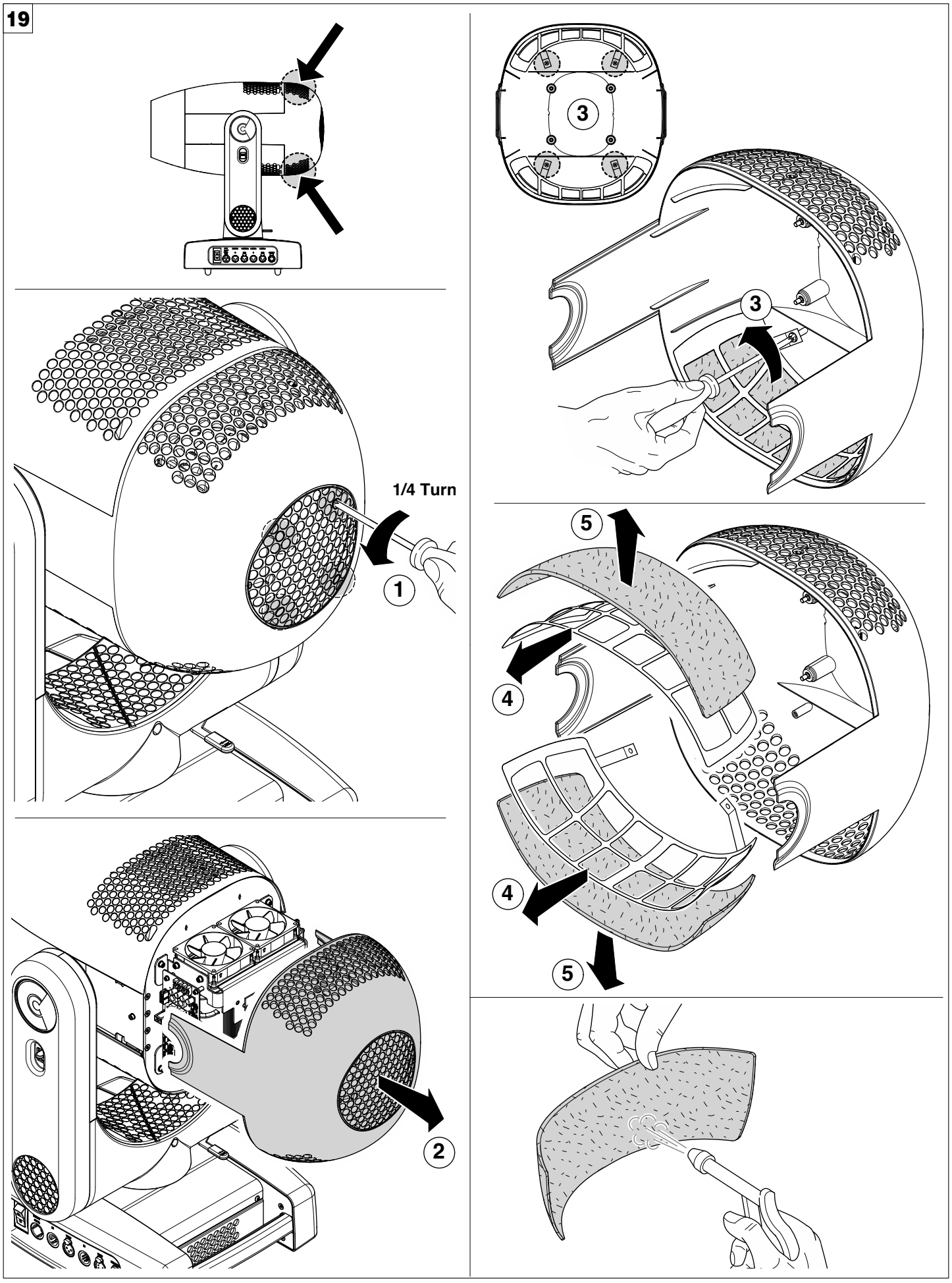
Extraction of the effect modules - Fig. 17.
IMPORTANT: Grasp the modules using the support structure and not the details which could get damaged.
Insertion of the effect modules: Repeat the operations indicated in Fig. 15, 16, 17 and 18 in reverse order.

Continue →

4.4 - Cleaning of the filters



Cleaning of the filters - Fig. 18.

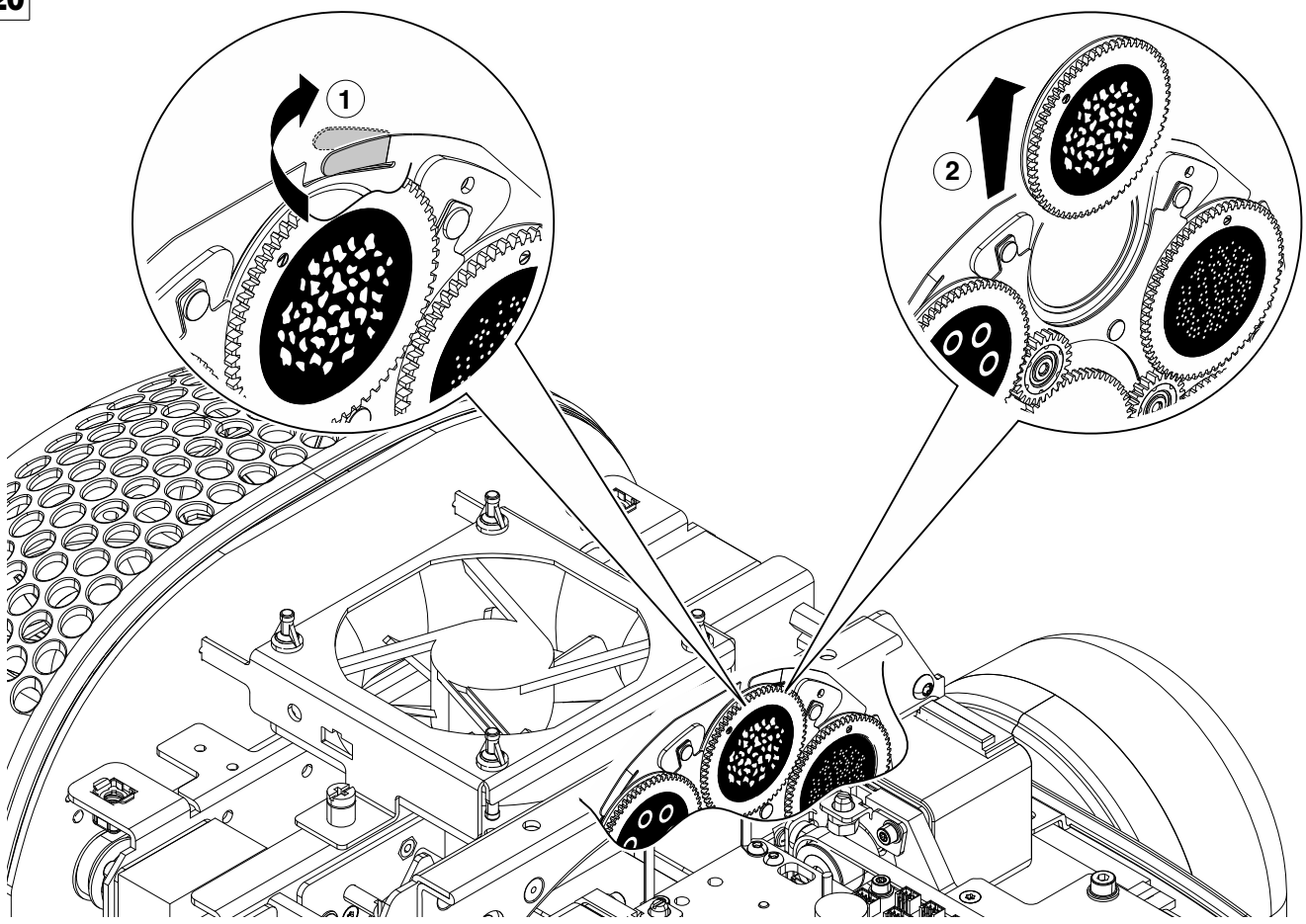


Cleaning of the filters - Fig. 19.

Continue →

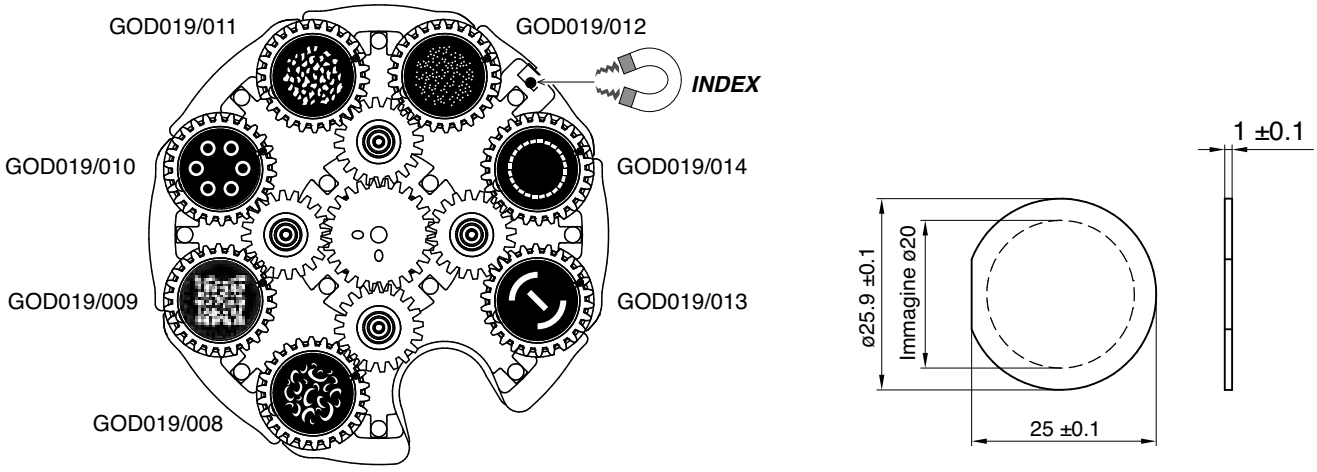
4.5 - Rotating gobos

20



Bearing group replacement - Fig. 20

21

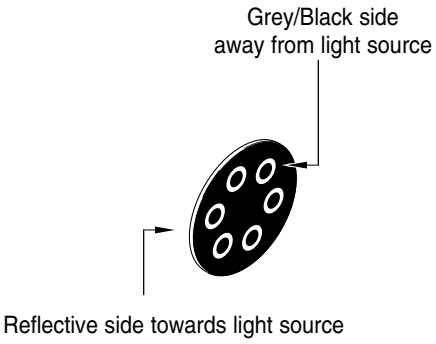


Replacing rotating gobos (max 20 mm image – thickness 1 mm) - Fig. 21

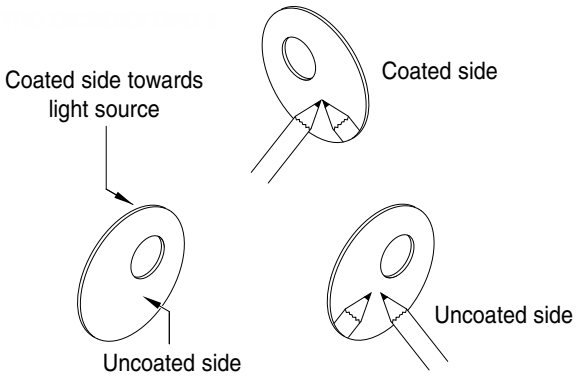
- **Before use custom gobos contact Claypaky;**
- **The original gobos have a special coating designed specifically to resist to the high temperatures;**
- **The rotating gobo wheel only use dichroic glass gobos (it is not possible to use metal gobos);**
- **For more information contact Claypaky;**

22

COATED GLASS GOBOS TYPE 1



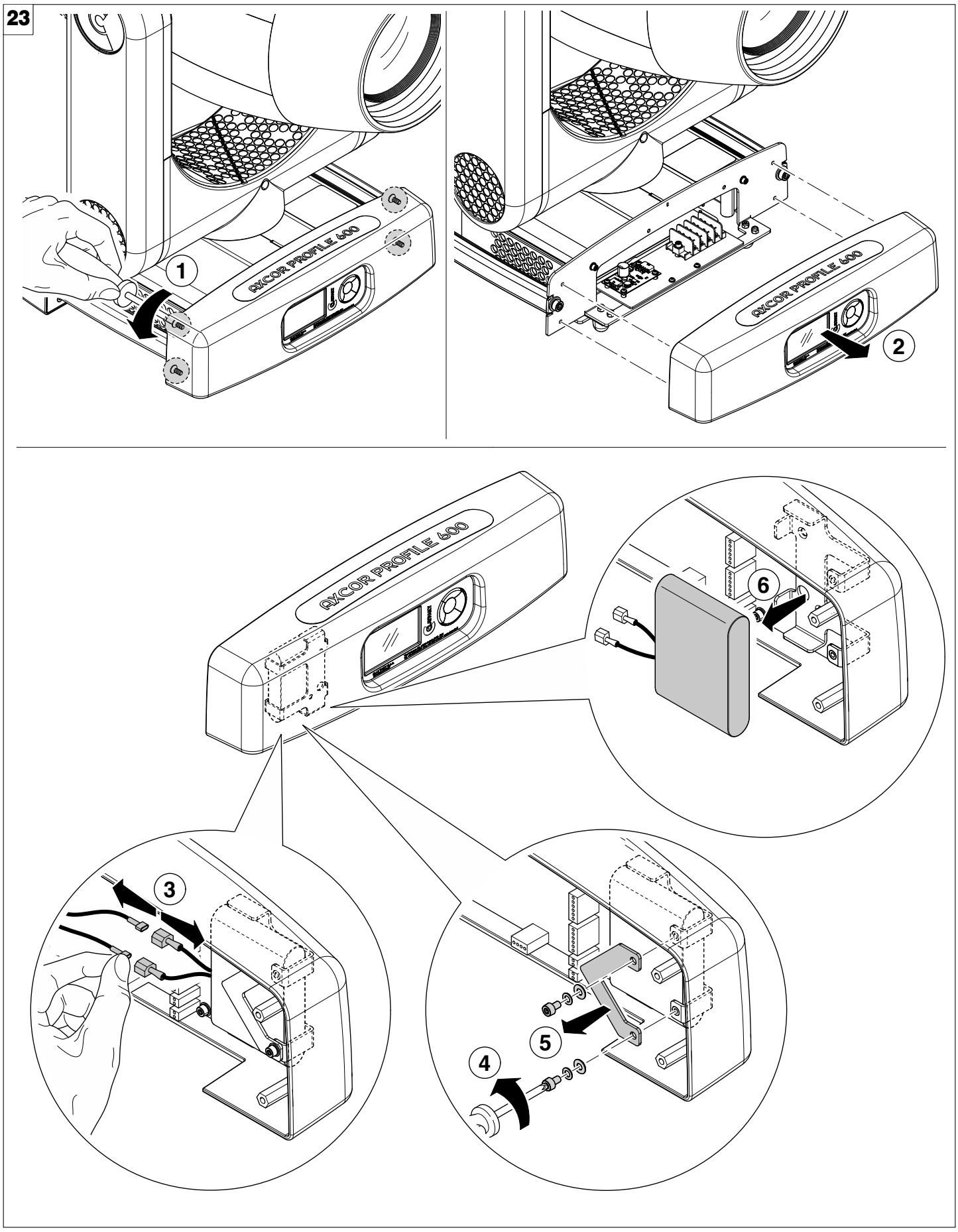
COATED GLASS GOBOS TYPE 2



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

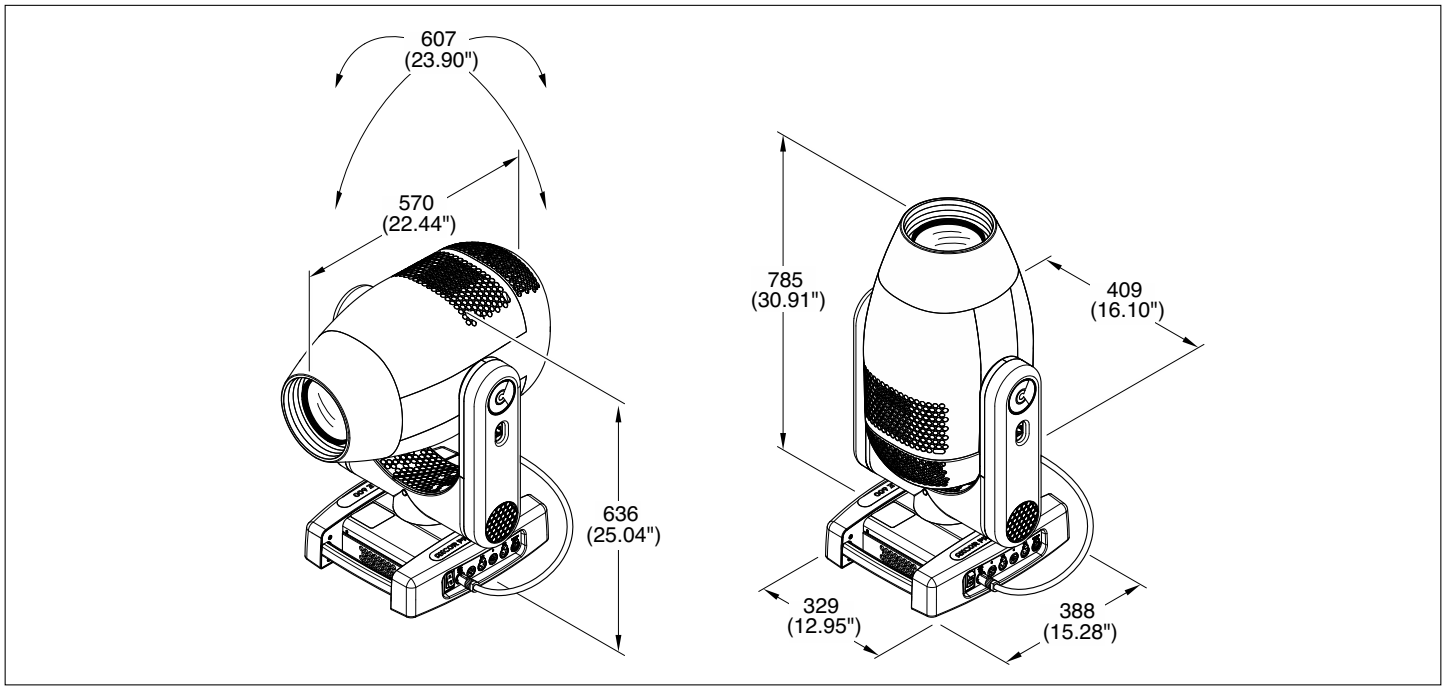
Gobo orientation - Fig. 22
The pictures shown the correct gobos orientation.

4.6 Battery removal



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. SPECIFICATIONS



POWER SUPPLIES
AC power input Neutrik PowerCON True
100-240V, 50/60 Hz

INPUT POWER
800 VA @230Vac - 50Hz

LIGHT SOURCE
Source: 500W White LED Engine
Versions available:
- CRI: at least 70, CT 6500K (Axcor Profile 600 and ST)
- CRI: at least 90, CT 5600K (Axcor Profile 600 HC and HC-ST)

OPTICS
Ø 132mm front lens
5.3°- 47.2° linear Zoom

COLOR SYSTEM
CMY + Linear CTO
One Color Wheel with 5 Colors

FRAMING SYSTEM
Motorized framing system with 4 focal planes
4 Blades that move separately
Smooth, flexible blade movements at variable speed
Faming system indexable over 90 degrees

EFFECTS SECTION
One Rotating Gobo Wheel with 7 Gobos
Rotating 4-facet prism
Animation wheel (interchangeable with fixed gobo wheel)
Variable Frost 0-100% linear
Iris with multiple macros (random, pulsing…)
Electronic linear dimmer, 16 bit and 4 curves
Electronic strobe @25 f/sec.

CONTROL AND PROGRAMMING
40/44 control channels
inputs: DMX 512 – Art-Net
Control signal USITT DMX 512
Protocols RDM, WebServer and Art-Net
Display Graphic LCD backlit b/w Display
Display battery Long life self-charging buffer battery
Pan/Tilt Resolution 16 bit
Focus Resolution 16 bit
Gobo Resolution 16 bit
Dimmer Resolution 16 bit
Movement control vectorial
DMX signal connection 3 or 5 pole XLR input and output
Ethernet Input
Firmware update Software upload through DMX/Ethernet input

BODY
Aluminum and steel structure with plastic covers.
Two side handles for transportation.
Device locking PAN and TILT mechanisms for transportation and maintenance.

MOVING BODY
PAN range 540°
TILT range 268°

ELECTRONICS
Long life self-charging buffer battery.
Function reset from the lighting desk.
“AUTOTEST” function from menu ARTNET.
Electronic monitoring with status error.
Cooling system monitoring.
DMX level monitoring on all channels.
Internal data transmission diagnostics.
Firmware Upgrade with no power.
Firmware upload from another fixture.

SAFETY DEVICES
Bipolar circuit breaker with thermal protection.
Automatic break in power supply in case of overheating.
Forced ventilation with axial fans.
Minimum distance of illuminated objects: 3 meters (9’ 10”).
Minimum distance from flammable materials: 0.2 meters (8”).
Max ambient temperature: 40°C (104°F).
Max temperature of the external surface: 90°C (194°F).

WORKING POSITION
Working position: Any.
Hanging system 2x fast-lock omega clamps (1/4 turn) on the base.
Optional: 48-51mm, max300Kg clamps; Ø 4mm, lenght 680mm safety cable

CE MARKING
In conformity with the European Directives:
- 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD)
- 2014/30/EU - Electromagnetic Compatibility (EMC)
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS) • 2009/125/EC - EcoDesign requirements for Energy-related Products (ErP)

WEIGHT
33 Kg (72.7 lbs)

IST01A/001 – EN - Rev.0 03/2019 **gf**|studio

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