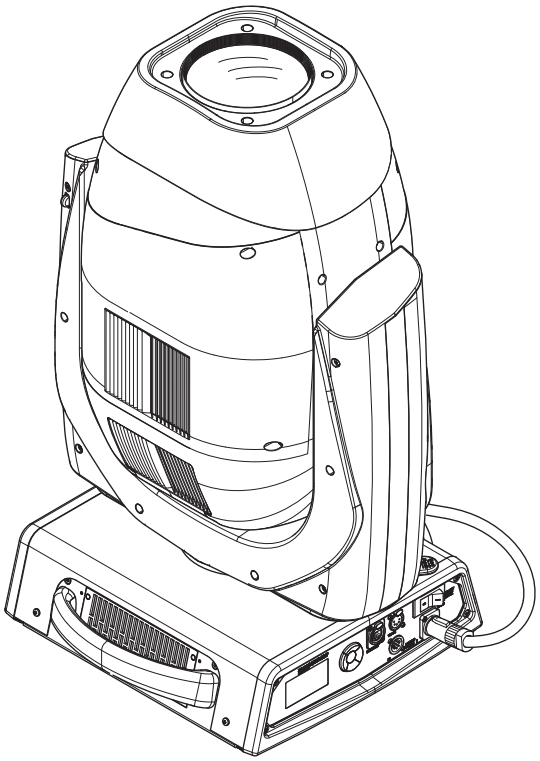
ENGLISH

CLAYPAKY AN OSRAM BUSINESS

SCENIUS PROFILE

C61505

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.

SAFETY INFORMATION

EN

SAFETY INSTRUCTIONS
IMPORTANT: Claypaky recommends you carefully read and keep the safety information on this product, also available in digital format at the following link:
http://www.claypaky.it/en
Ref: [FIS00L – Safety Information Scenius]

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:
http://www.claypaky.it/en/download
Rif: [FIS00L – Safety Information Scenius]

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:
http://www.claypaky.it/en/download
Ref: [FIS00L – Safety Information Scenius]

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:
http://www.claypaky.it/en/download
Ref: [FIS00L – Safety Information Scenius]

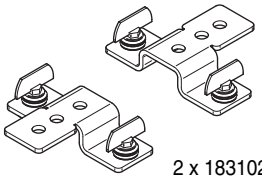
FR

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:
http://www.claypaky.it/en/download
Réf. : [FIS00L – Safety Information Scenius]

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:
http://www.claypaky.it/en/download
Наименование: [FIS00L – Safety Information Scenius]

1



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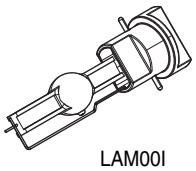
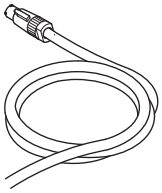
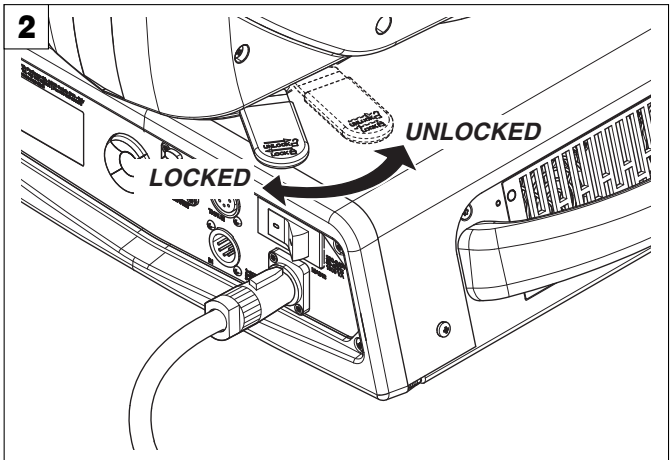


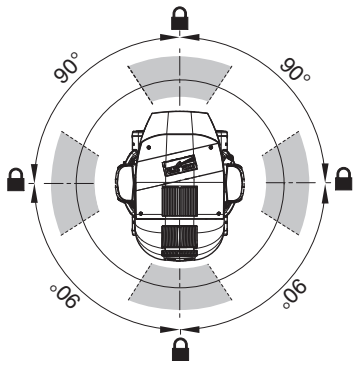
LAM00I
(fitted into fixture)



Packing contents - Fig. 1

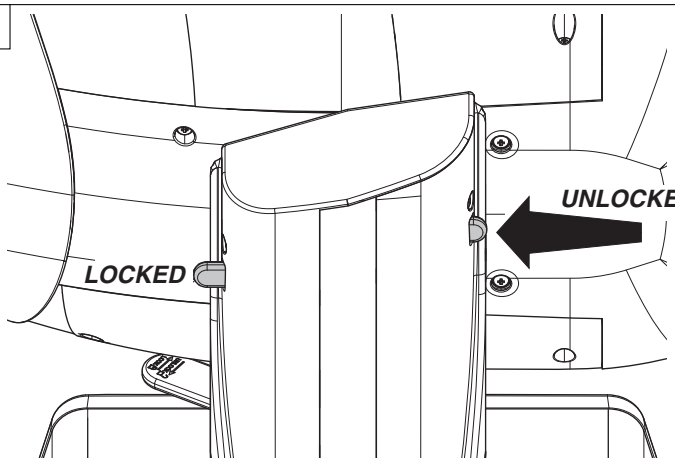
2

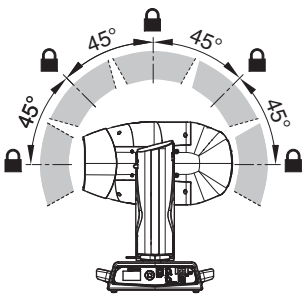




PAN Mechanism Lock and Release (every 90°) - Fig. 2

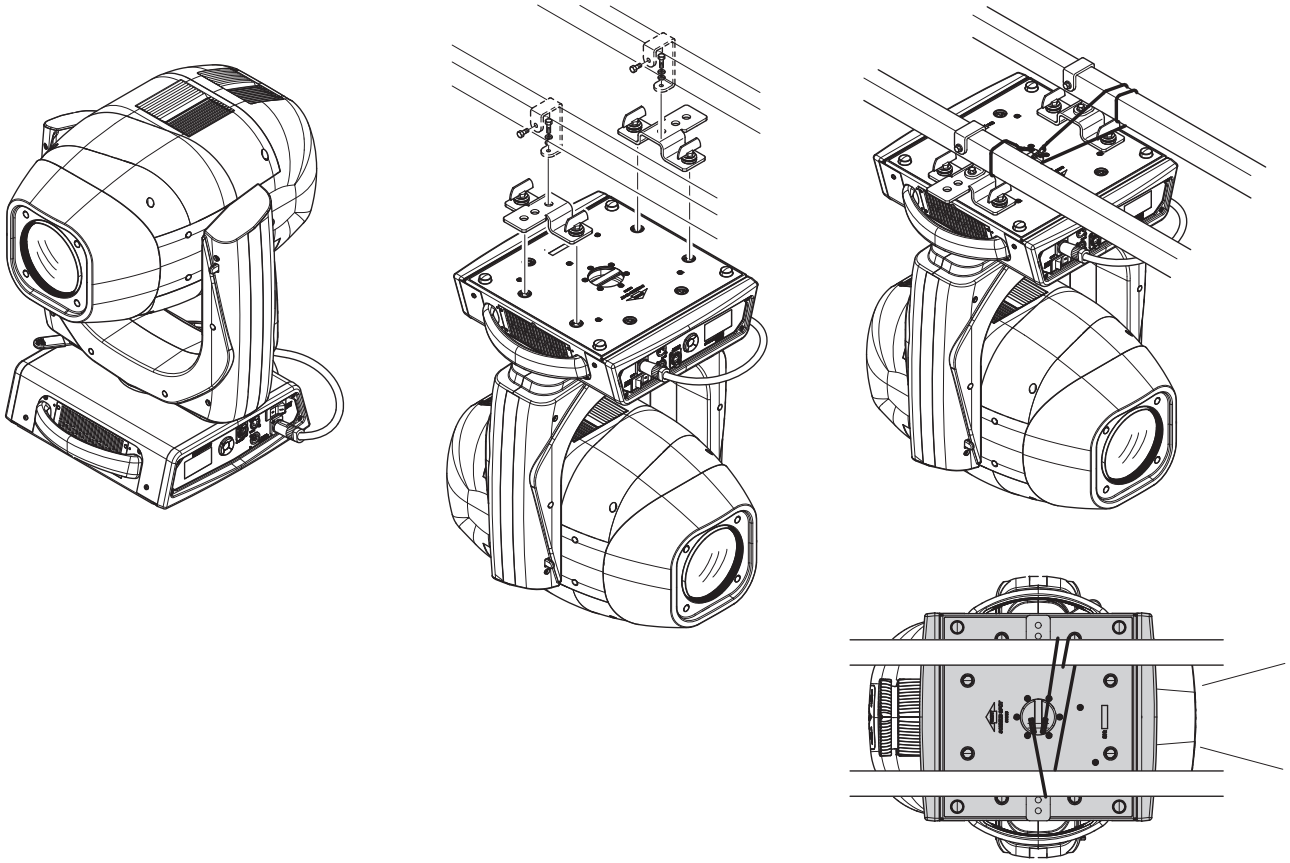
3





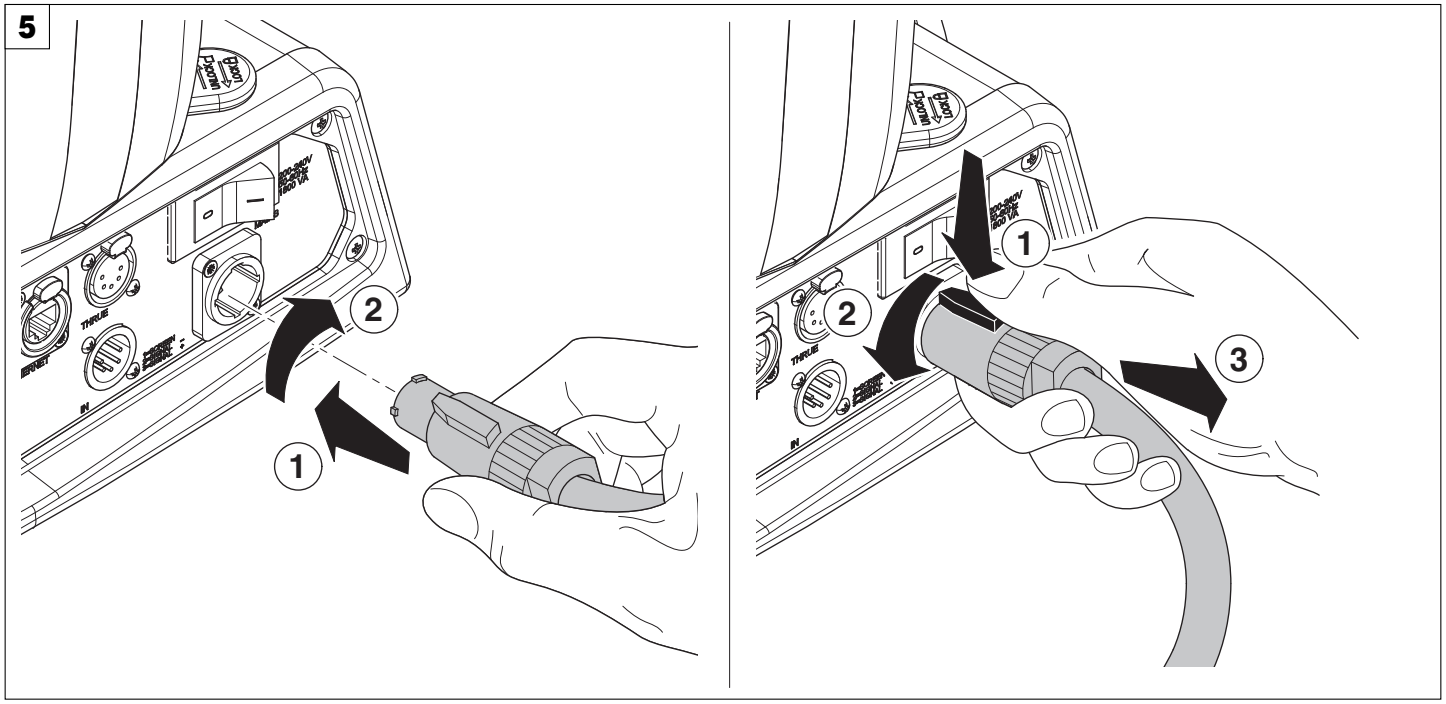
TILT Mechanism Lock and Release (every 45°) - Fig. 3

4



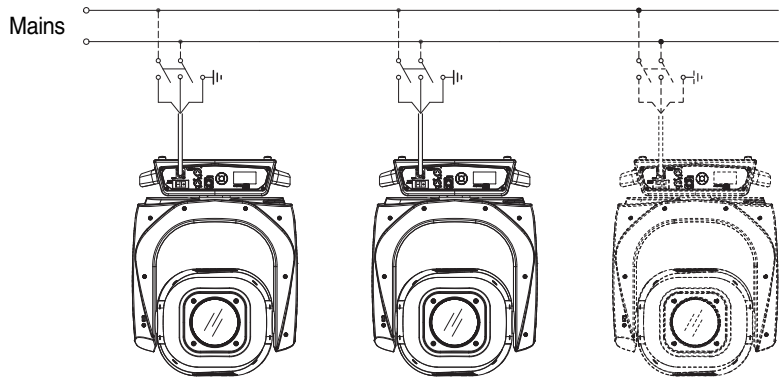
Installing the projector - Fig. 4
The projector can be installed on the floor resting on special rubber feet, on a truss or on the ceiling or wall.
WARNING: ***with the exception of when the projector is positioned on the floor, the safety cable must be fitted. (Cod. 105041/003 available on request). 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.***

5



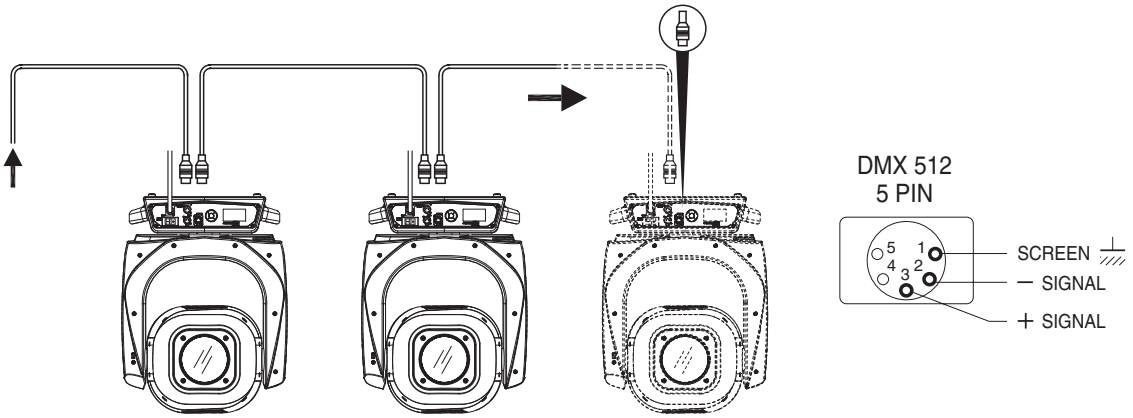
Connecting and disconnecting power cable - Fig. 5

6



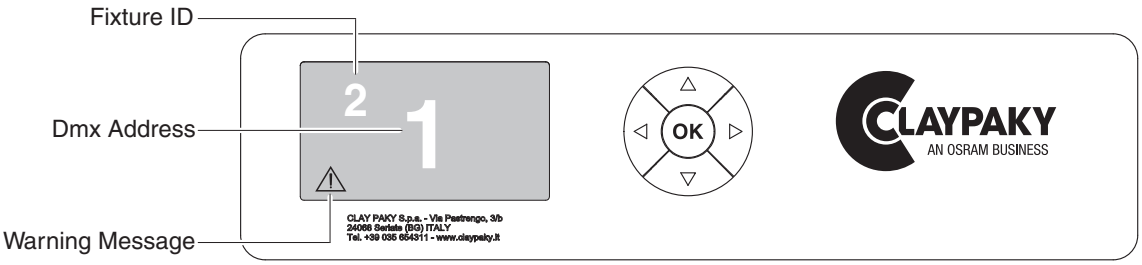
Connecting to the mains supply - Fig. 6

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 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.

8



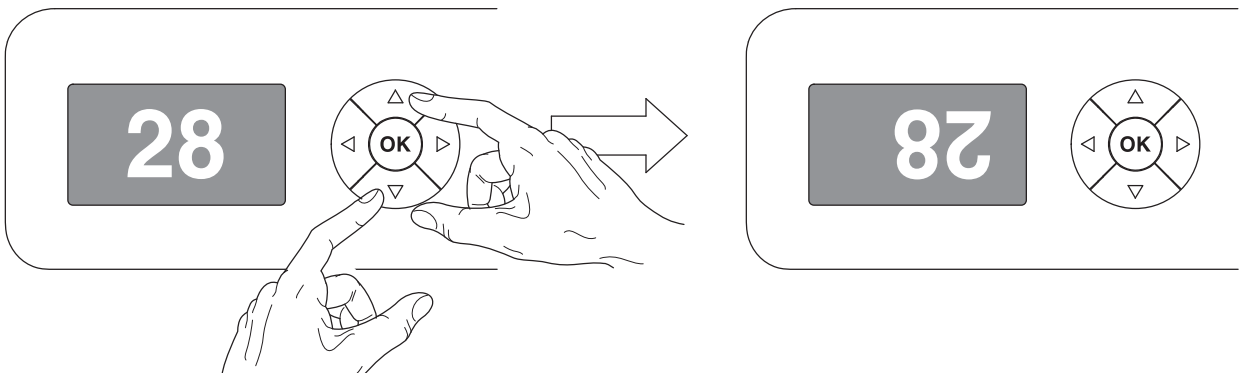
Switching on the projector - Fig. 8
Press the switch. The projector starts resetting the effects. At the same time, the following information scrolls on the display:

CLAYPAKY AN OSRAM BUSINESS	**Model** **SCENIUS**	**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 →

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).

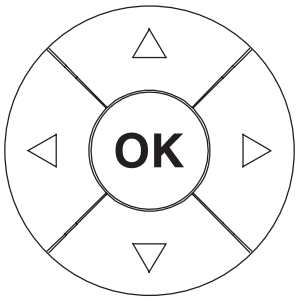
The address can also be set with the projector switched off.

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



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.

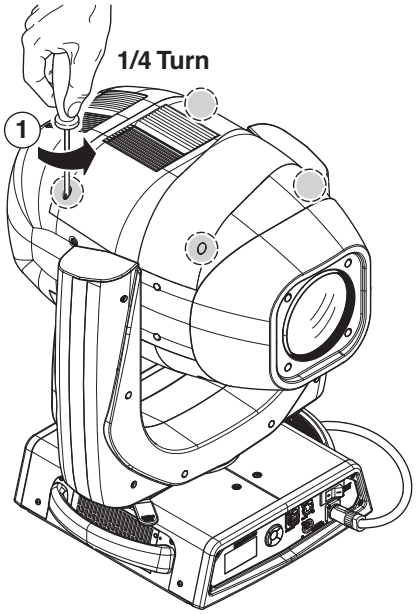
USING THE MENU:

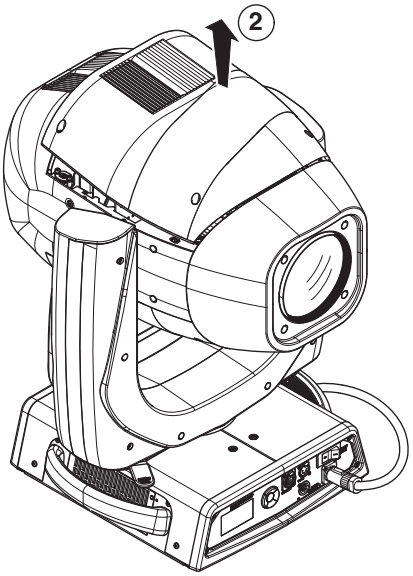
1) Press OK once – “Main Menu” appears on the display.
2) Use the UP ⊕ and DOWN ⊖ keys to select the menu to be used:
   - Setup (Setup Menu): To set the setting options.
   - Option (Option Menu): To set the operating options
   - Informations (Informations Menu): To read the counters, software version 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 OK to display the first item in the selected menu.
4) Use the UP ⊕ and DOWN ⊖ keys to select the MENU items.

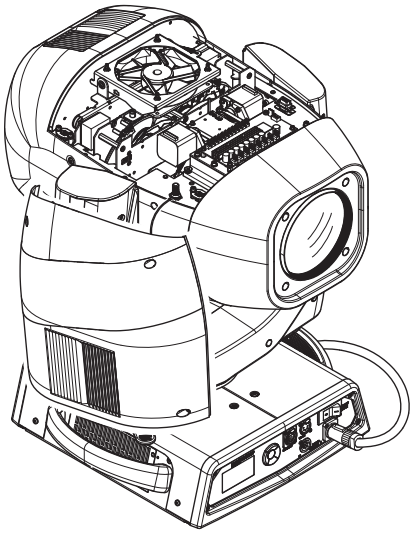
Setting addresses and options with the projector disconnected

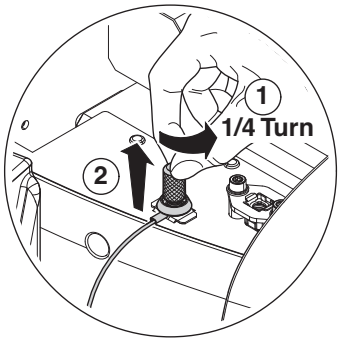
The projector’s DMX address, as well as other possible operating options, can also be set when the appliance is disconnected from the electricity supply. All that is needed is to press OK to momentarily activate the display and thus access the settings. Once the required operations have been carried out, the display will switch off again after a wait time of 30 seconds.

10









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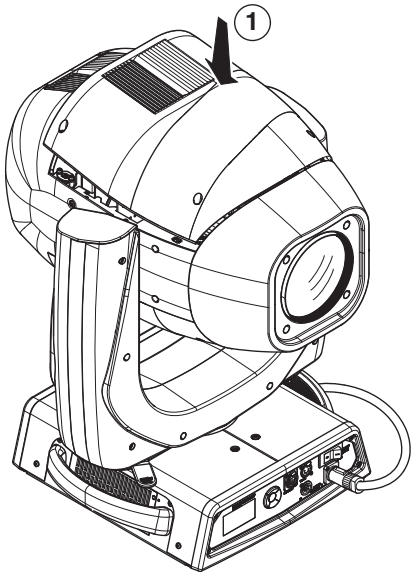
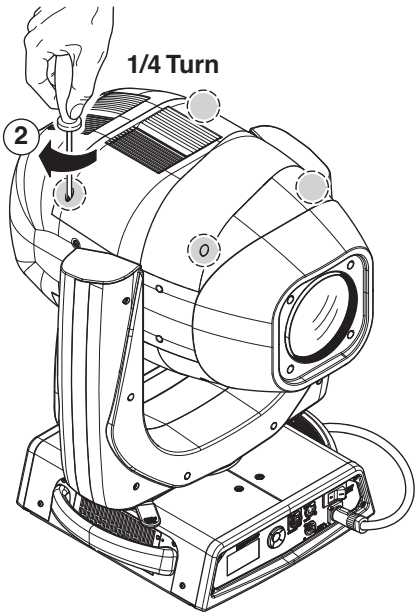
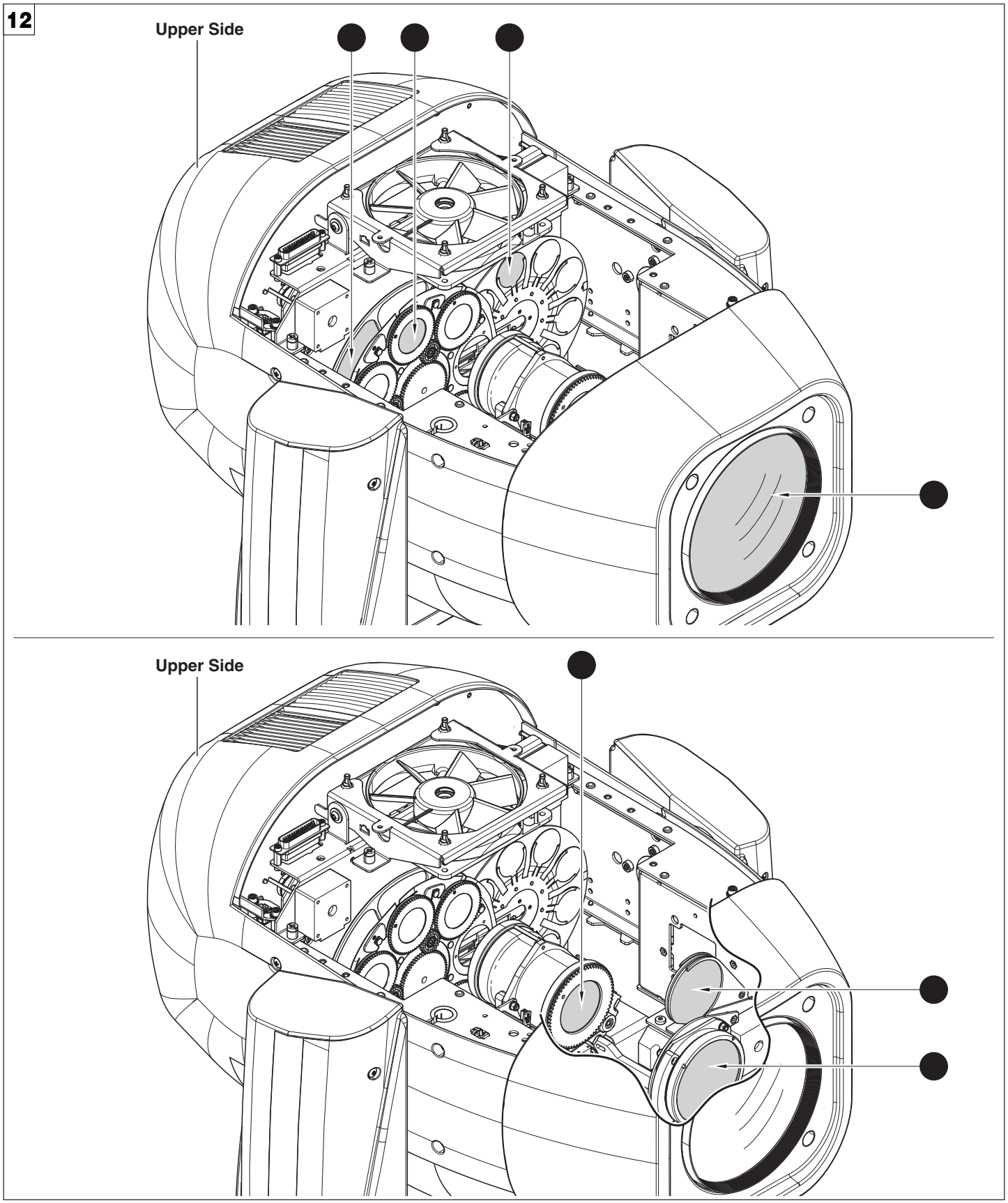




Locking and releasing Pan and Tilt movements - Refer to the instructions in the UNPACKING AND PREPARATION section.
Opening the head covers - Fig. 10.

Closing the head covers - Fig. 11.

Continue →



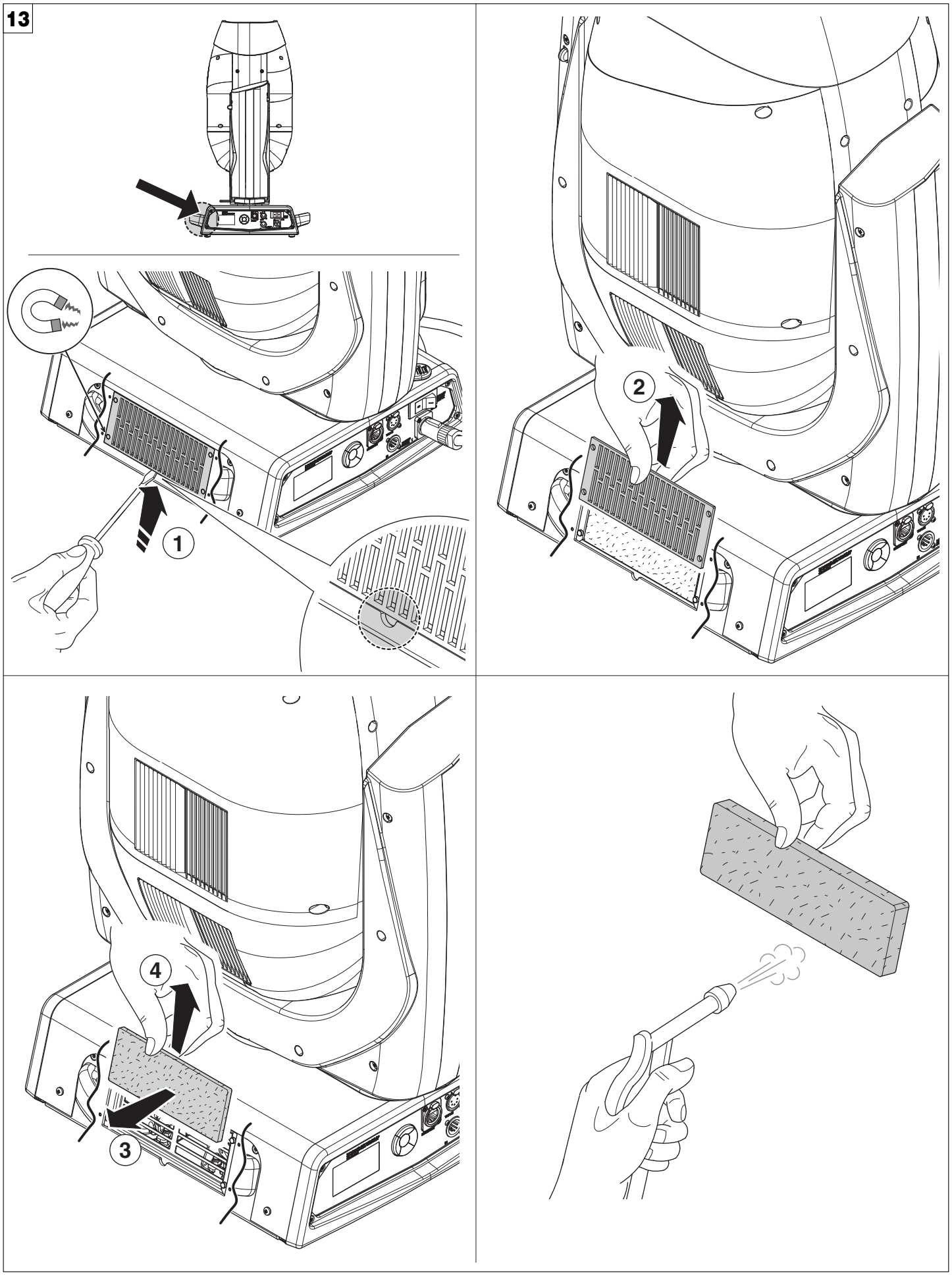
Periodical cleaning - Fig. 12

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.

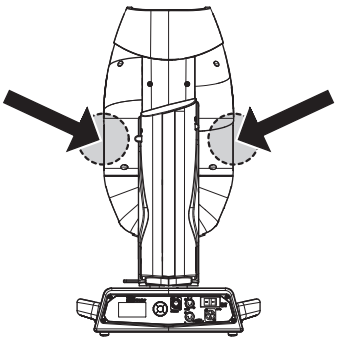
NOTE: keep a careful cleaning of the "CMY/colour filters assembly" to prevent rapid deterioration.

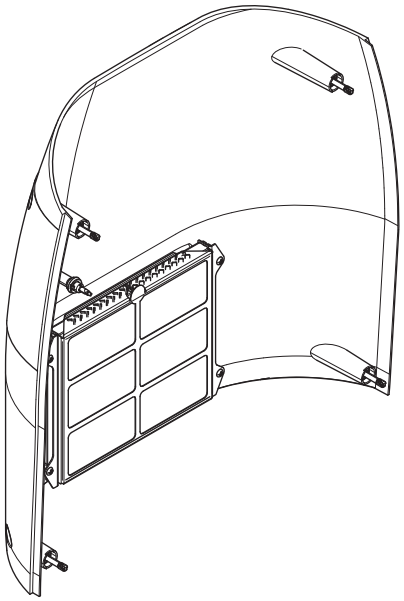


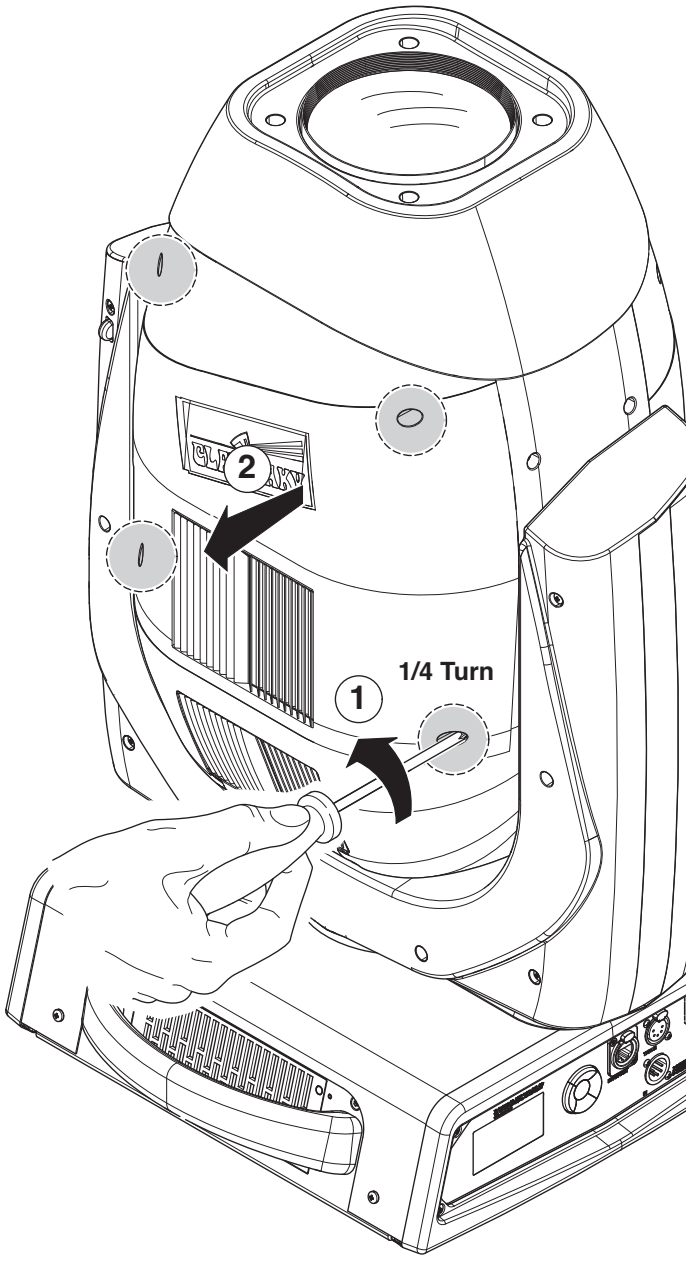
Cleaning of the filters - Fig. 13.

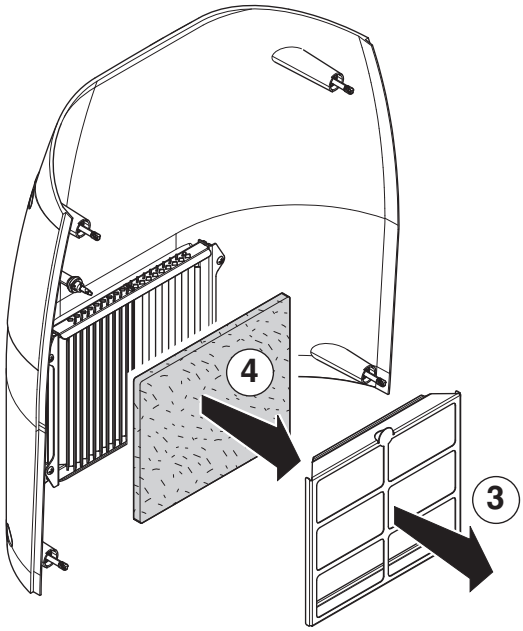
Continue →

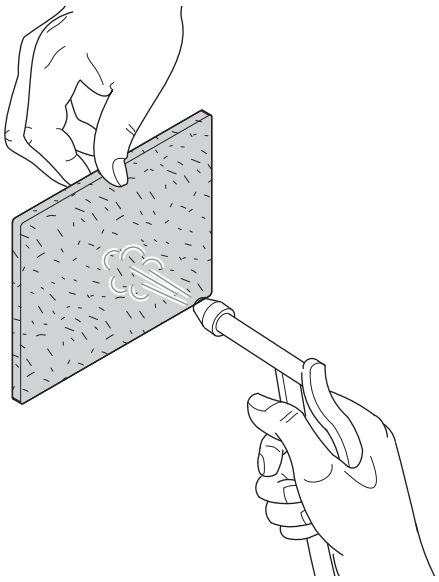
14



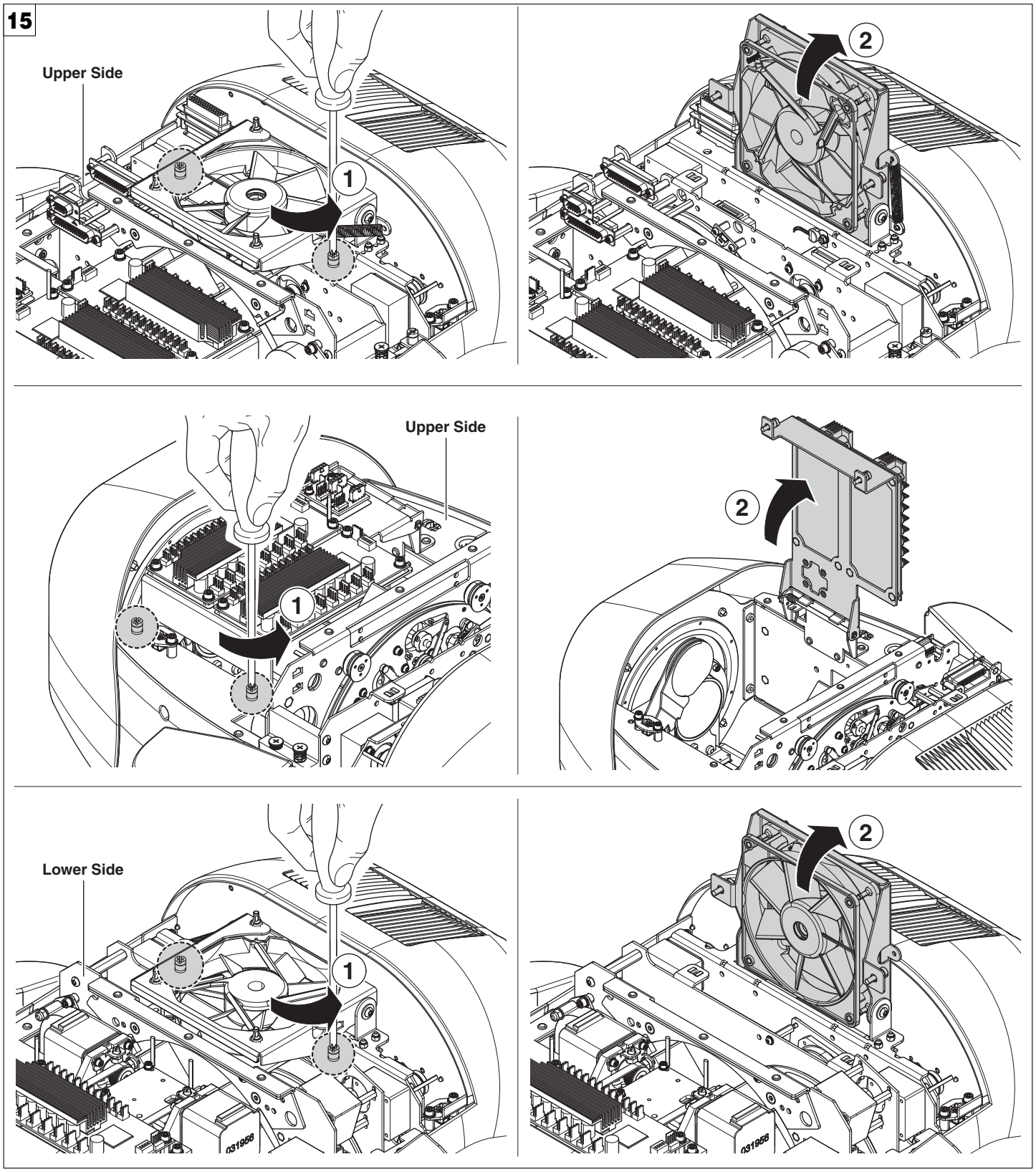






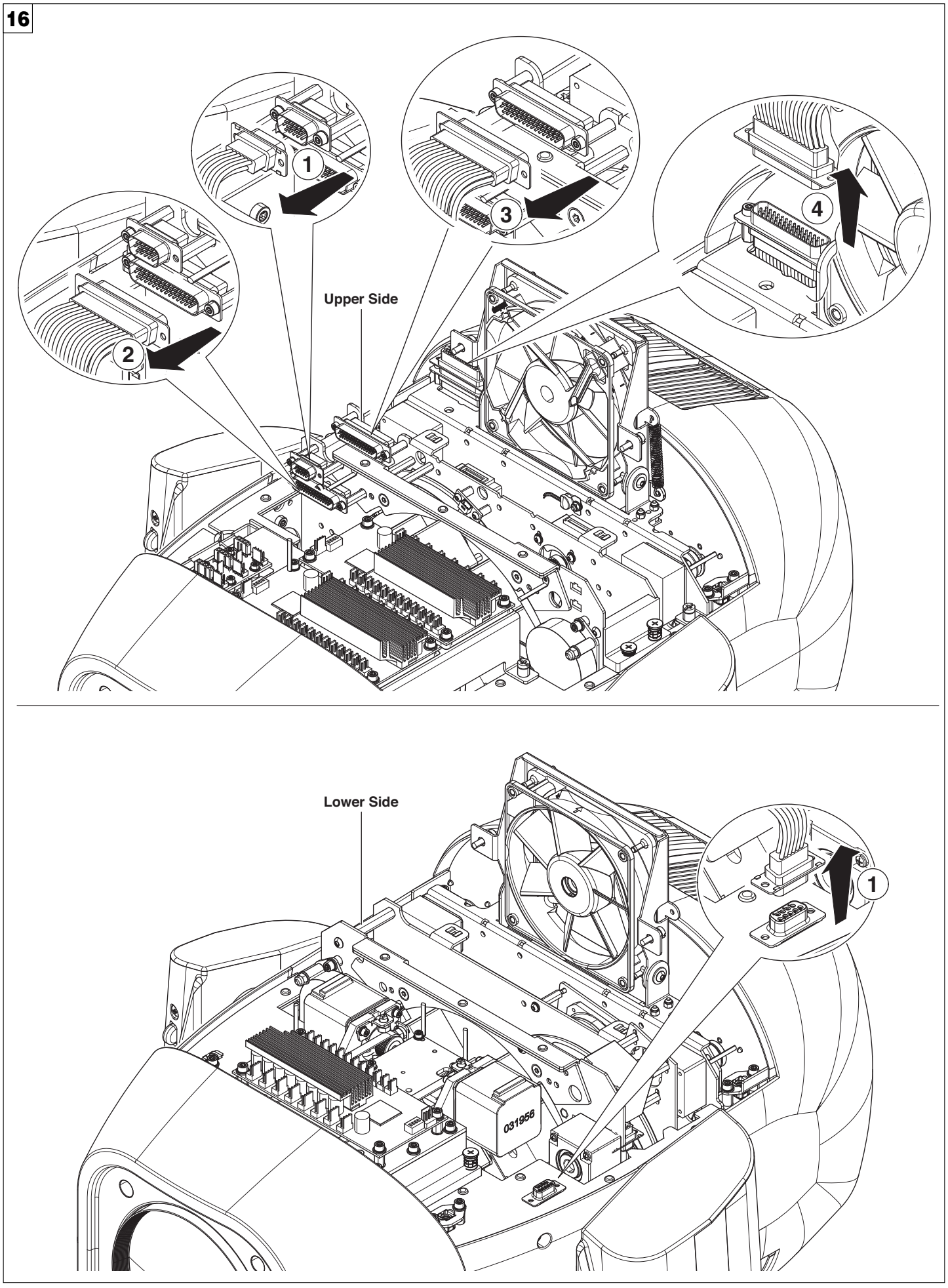


Cleaning of the filters - Fig. 14.



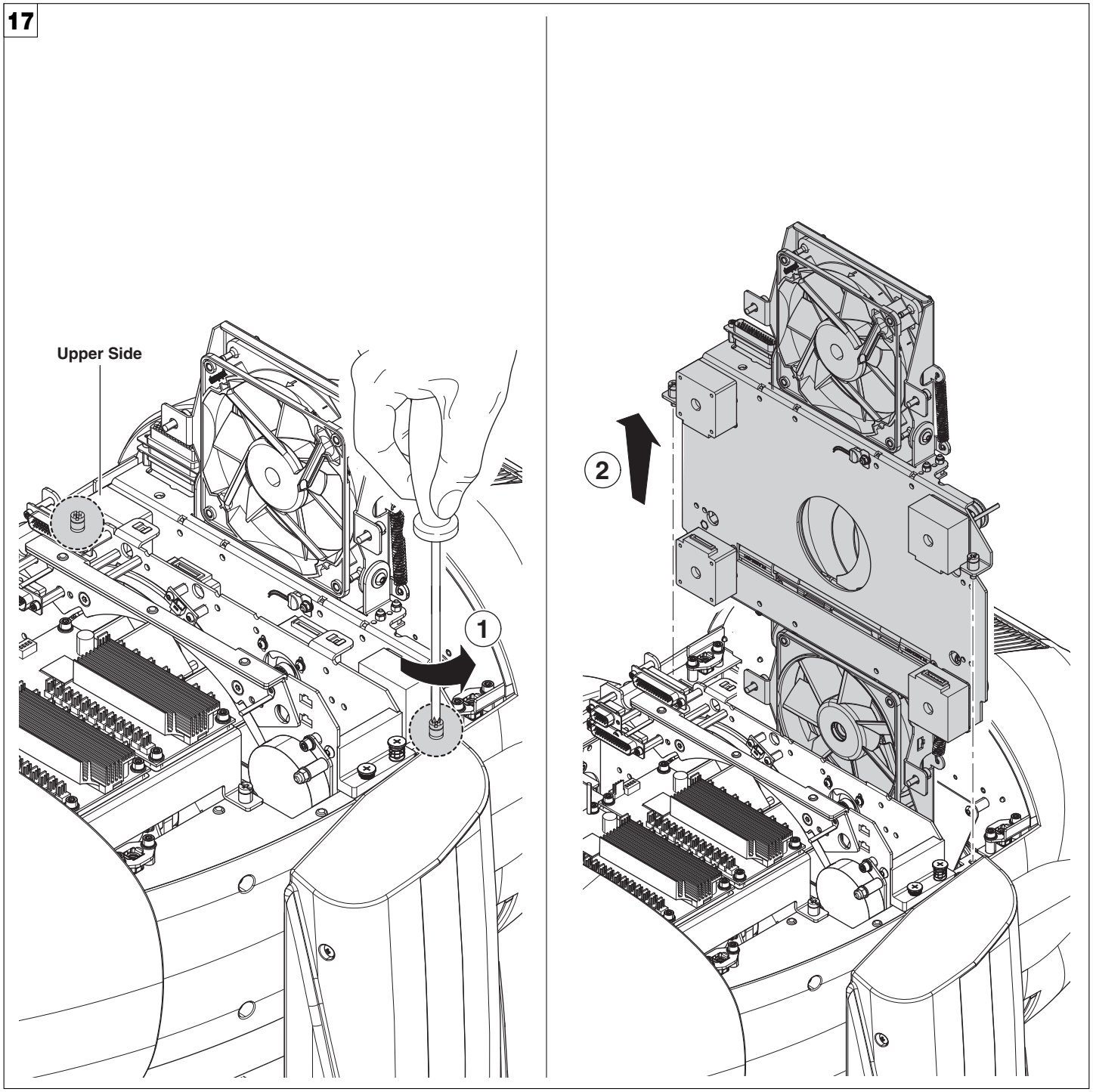
Extraction of the effect modules: Preliminary operations - Fig. 15.

Continue →



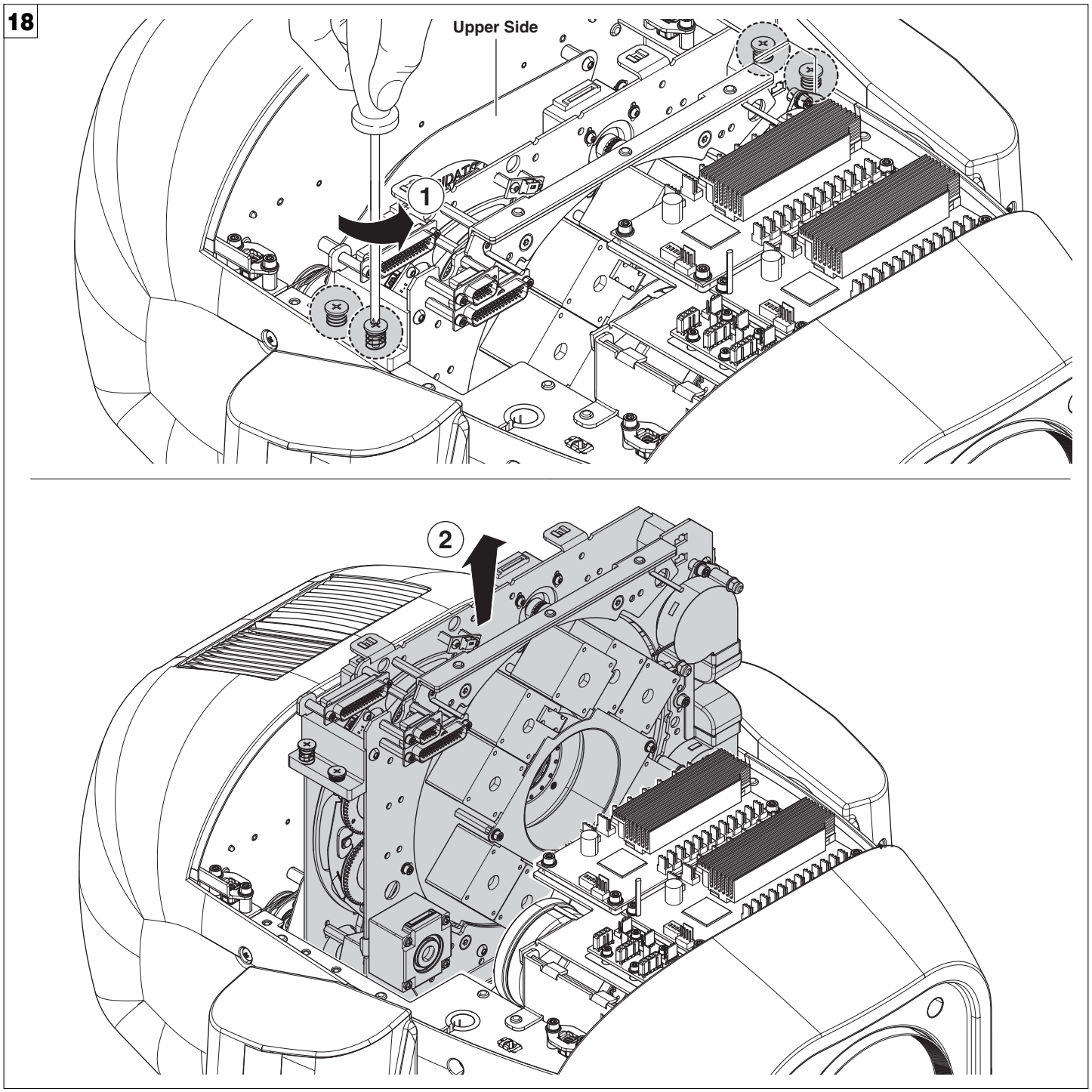
Extraction of the effect modules: Preliminary operations - Fig. 16.

17

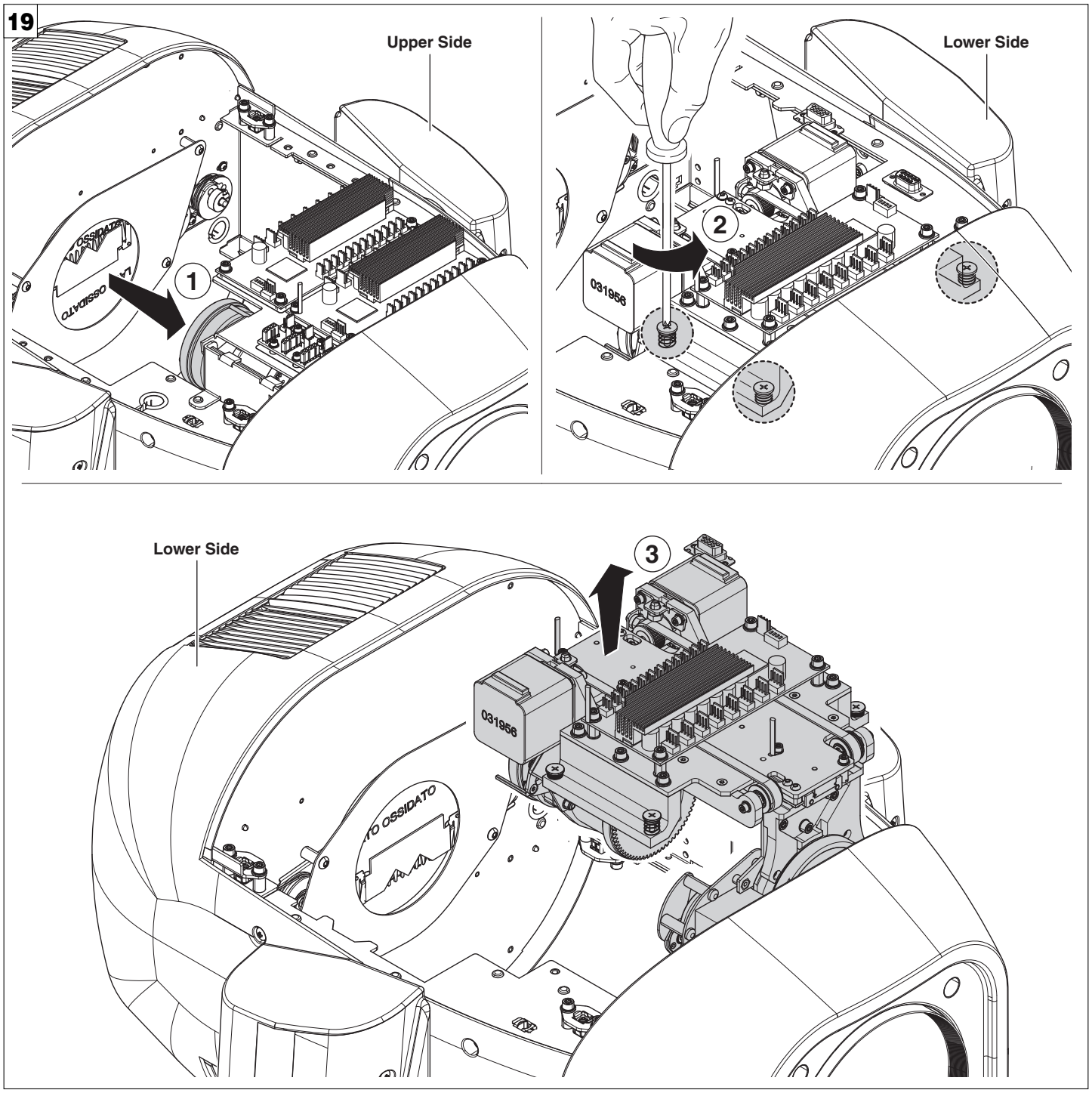


Extraction of the effect modules - Fig. 17.
IMPORTANT: Grasp the modules using the support structure and not the details which could get damaged.
Insertion of the effect modules: Repeat the operations indicated in Fig. 15, 16, 17, 18 and 19 in reverse order.

Continue →

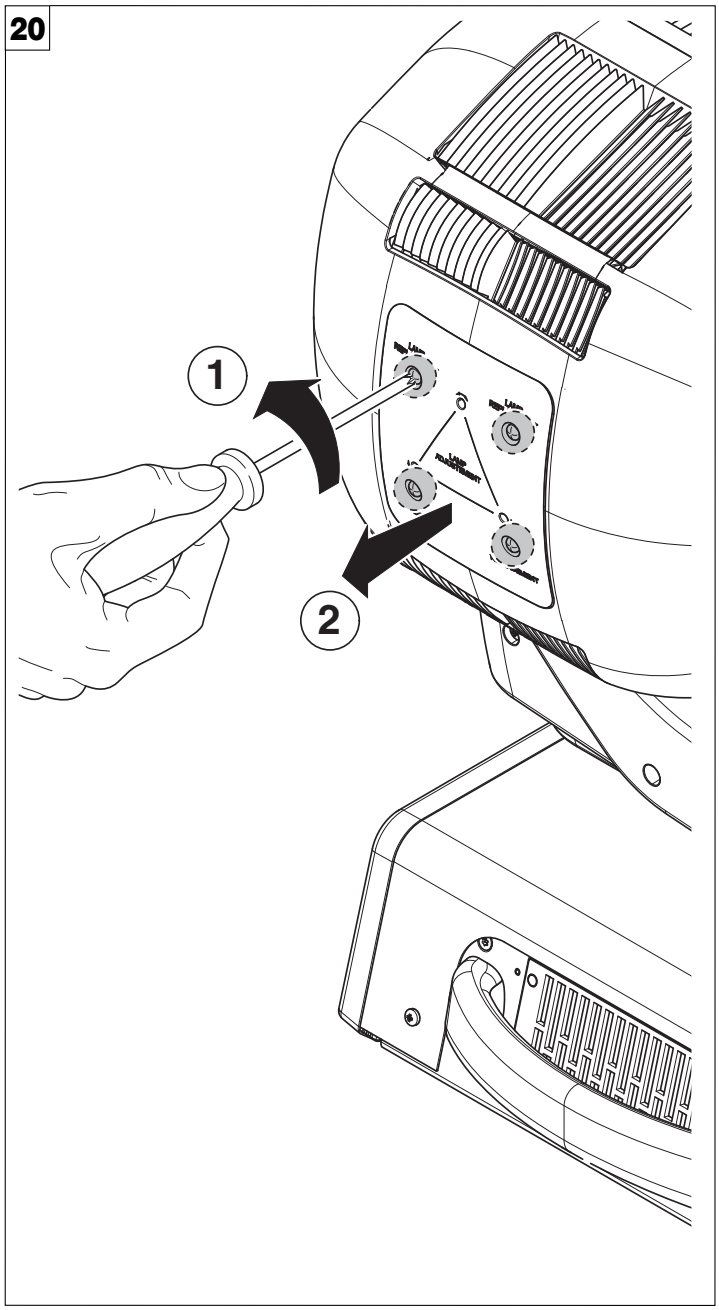


Extraction of the effect modules - Fig. 18.
IMPORTANT: Grasp the modules using the support structure and not the details which could get damaged.
Insertion of the effect modules: Repeat the operations indicated in Fig. 15, 16, 17, 18 and 19 in reverse order.

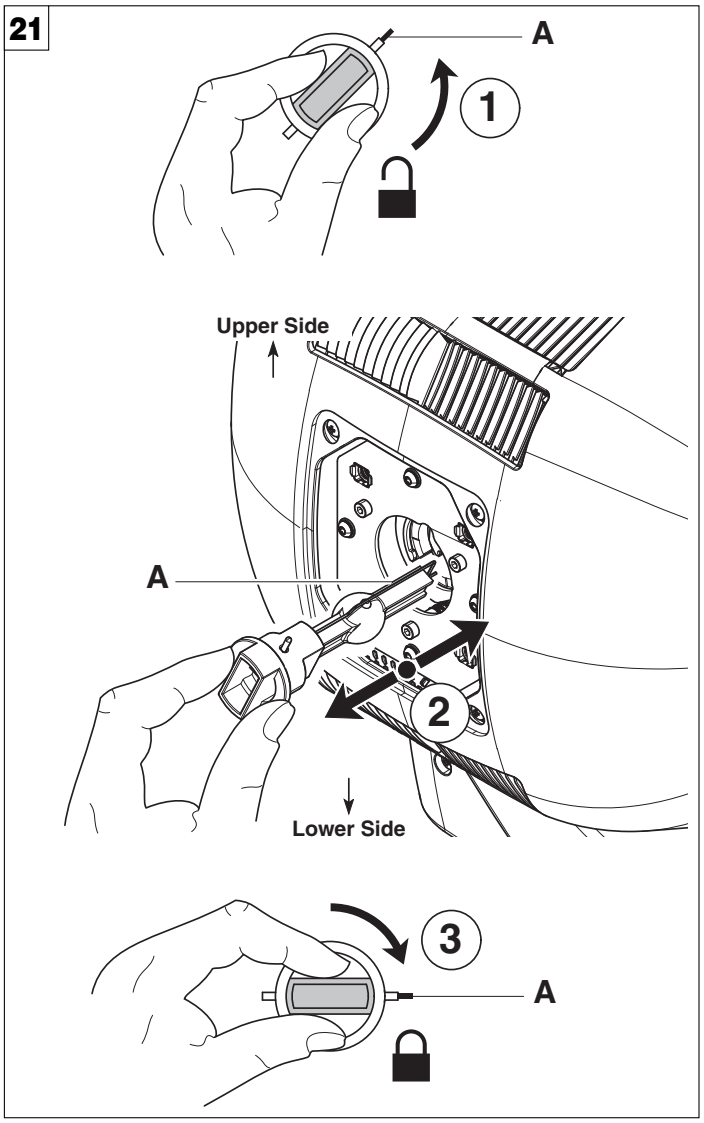


Extraction of the effect modules - Fig. 19.
IMPORTANT: Grasp the modules using the support structure and not the details which could get damaged.
Insertion of the effect modules: Repeat the operations indicated in Fig. 15, 16, 17, 18 and 19 in reverse order.

Continue →



Opening and closing lamp compartment - Fig. 20



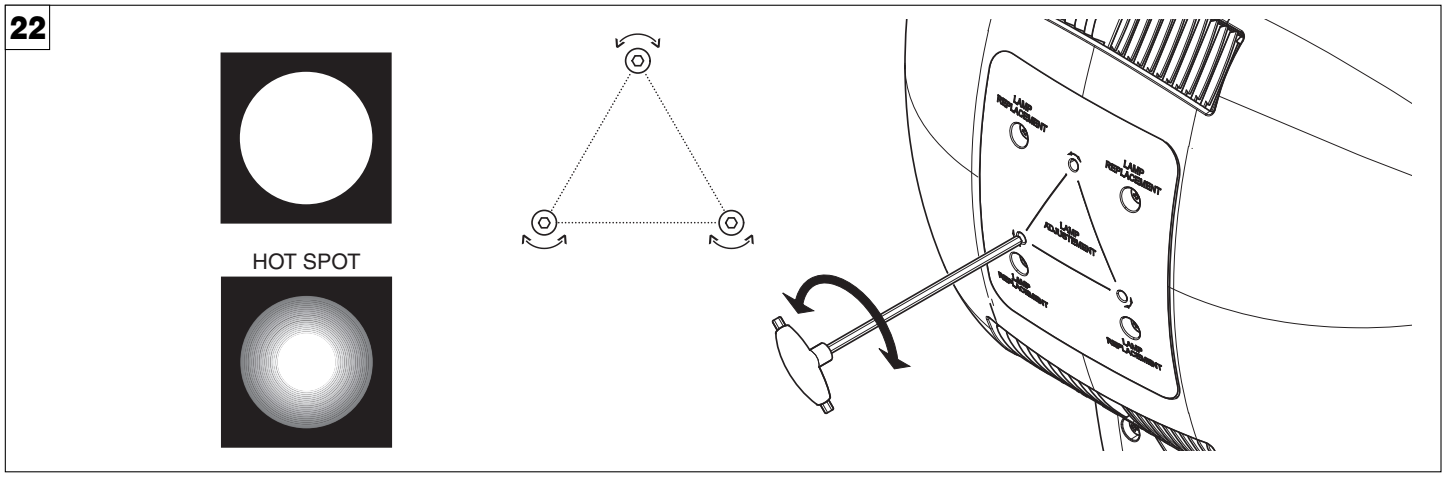
Lamp change - Fig 21

Take the new lamp out of its package and insert in the fitting.

WARNING: ***do not touch the lamp's envelope with bare hands. Should this happen, clean the bulb with a cloth soaked in alcohol and dry it with a clean, dry cloth.***

CAUTION: Fast lamp ON-OFF cycles (for example 10 minutes ON / 10 minutes OFF) will reduce the lamp life.

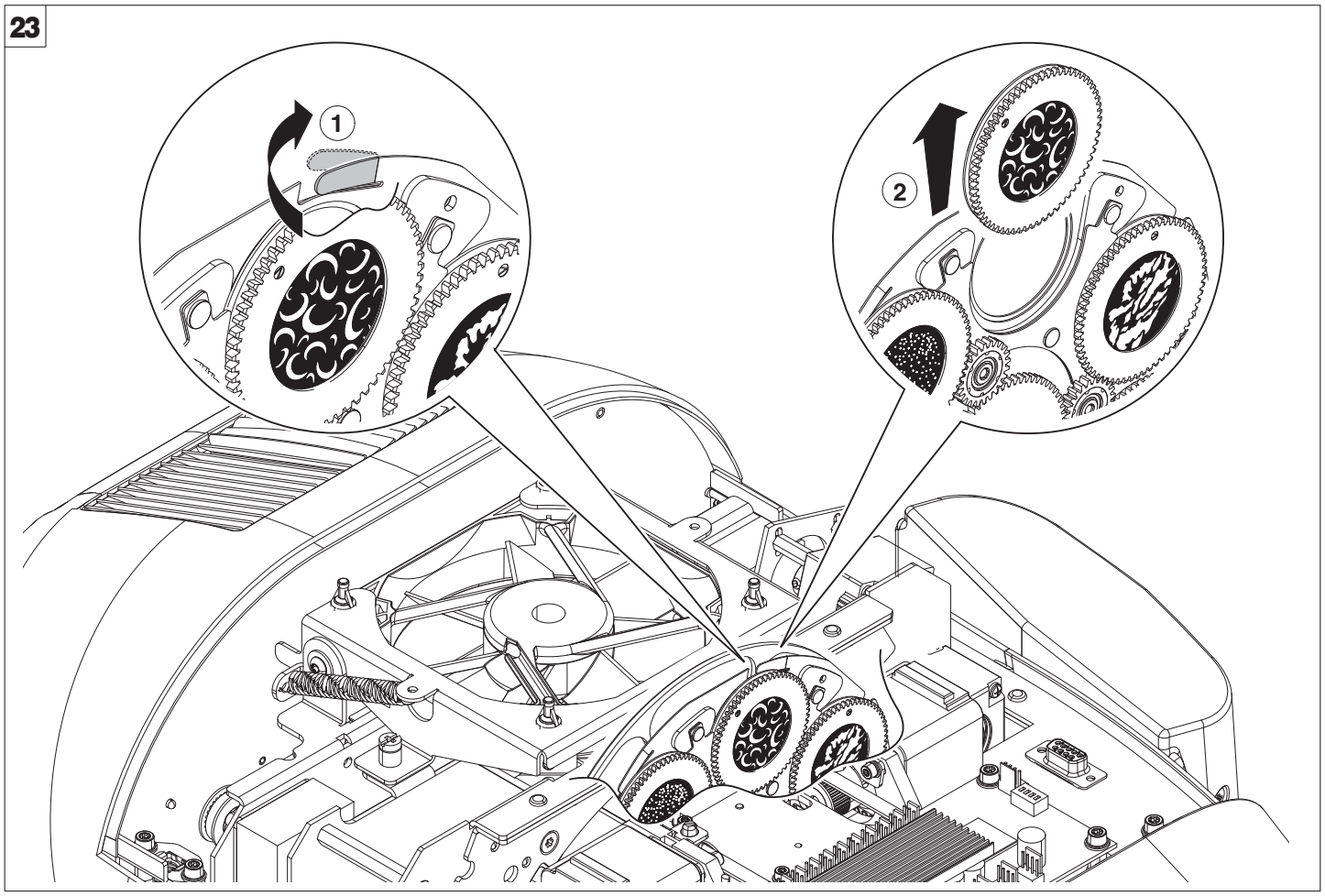
ATT200/001 is the part number of a CP tool, that could help you to take off the lamp from the fixture.



Lamp regulation - Fig. 22.

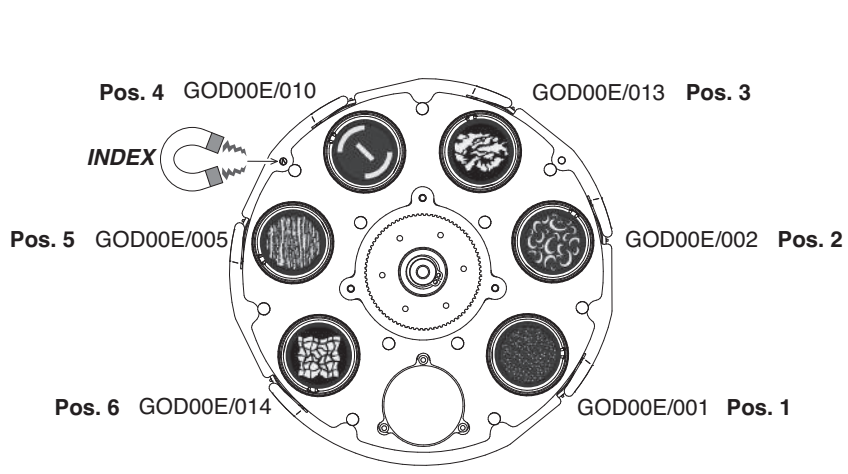
To centre the lamp, turn the three adjusting screws as shown in the figure.

23



Bearing group replacement - Fig. 23

24



Replacing rotating gobos (ø 32.8 mm - max 23 mm image – thickness 1.1 mm) - Fig. 24

- **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;**

Continue →

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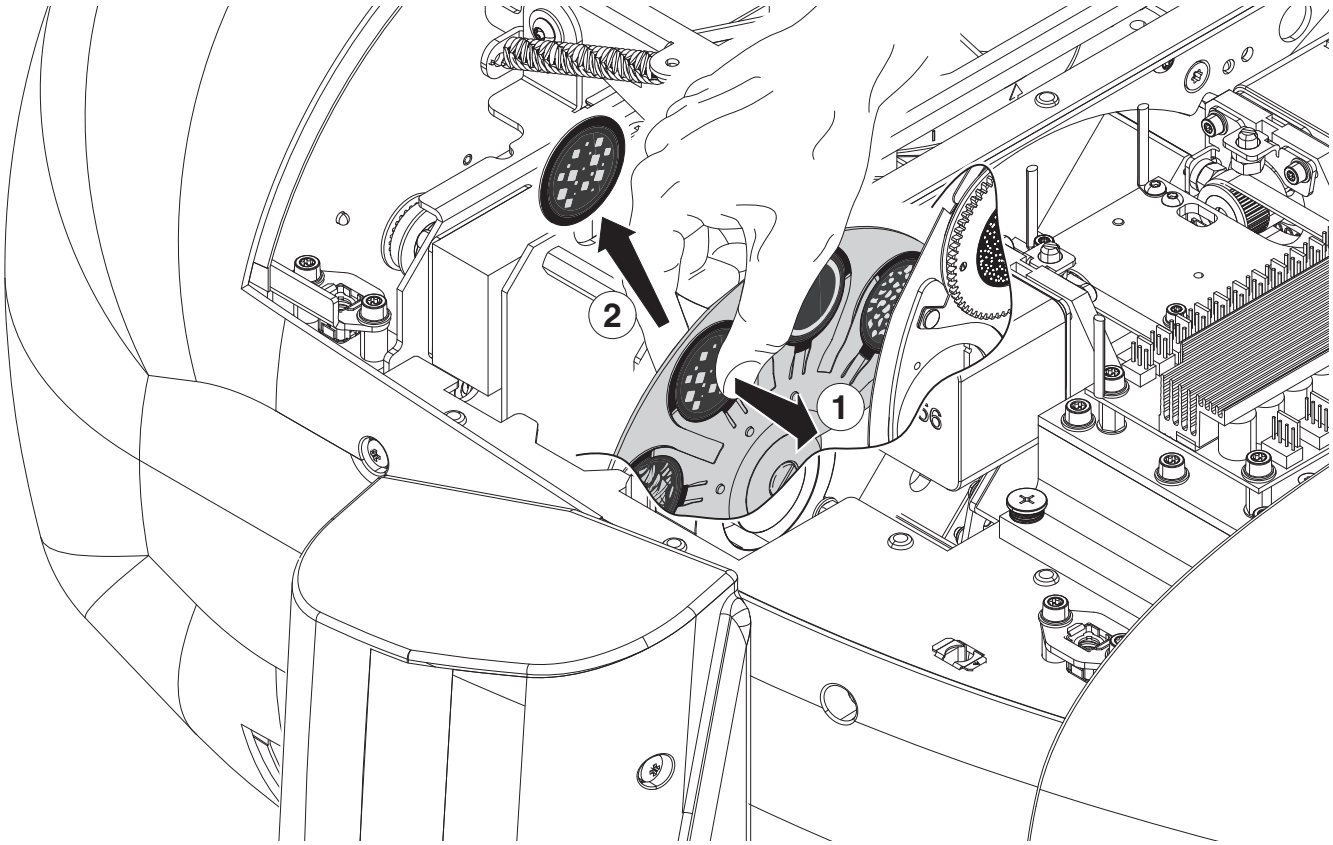

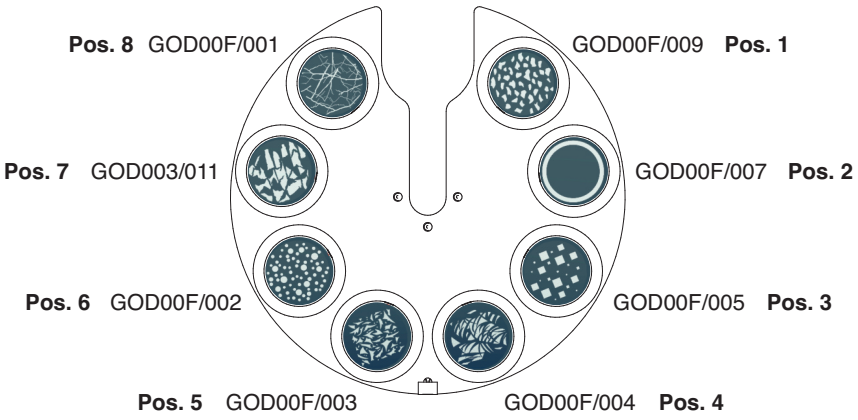

Replacing fixed gobos (ø 31.5 mm - max 23 mm image - thickness max 1,1 mm) - Fig. 25
IMPORTANT: Please contact CLAY PAKY before using customized gobos.

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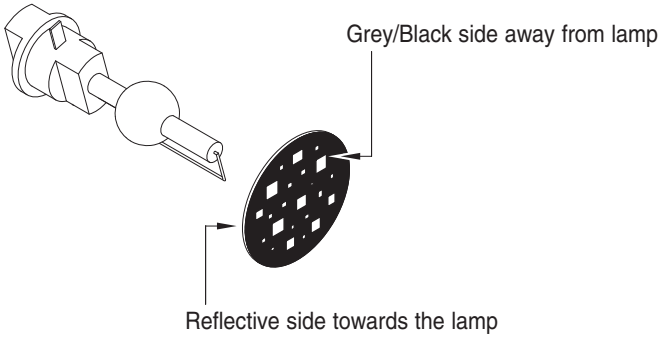
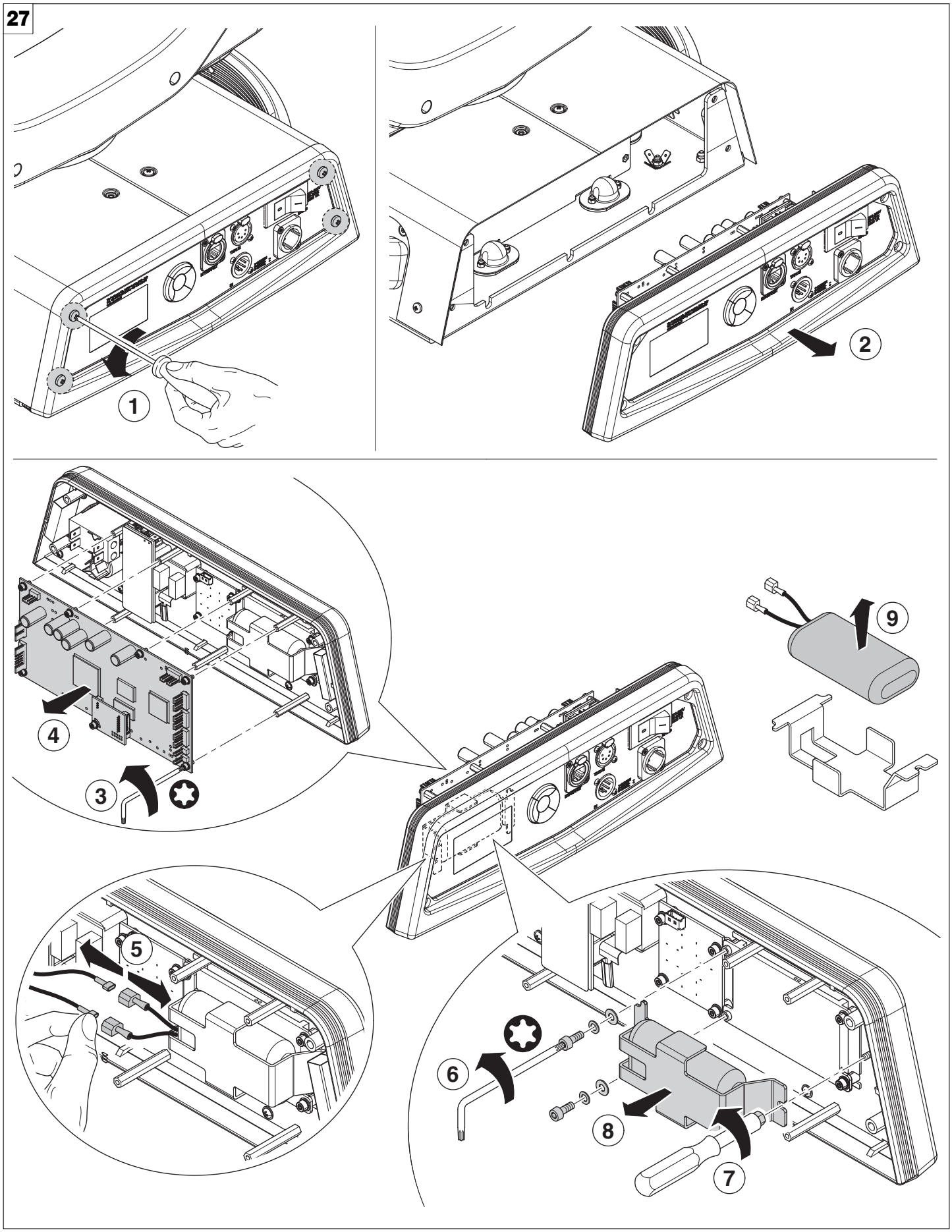
COATED GLASS GOBOS



Gobo orientation - Fig. 26
The pictures shown the correct gobos orientation.

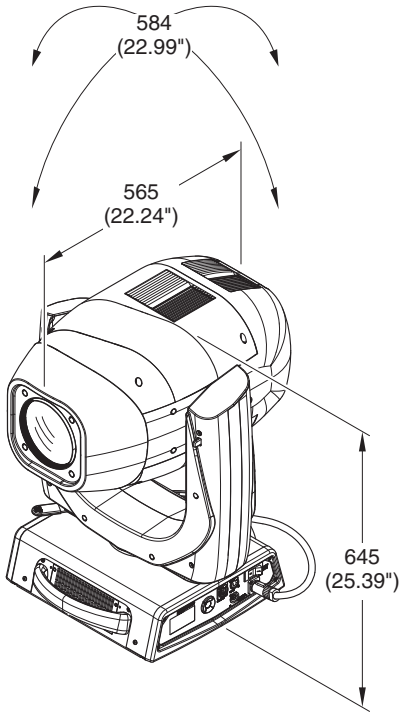


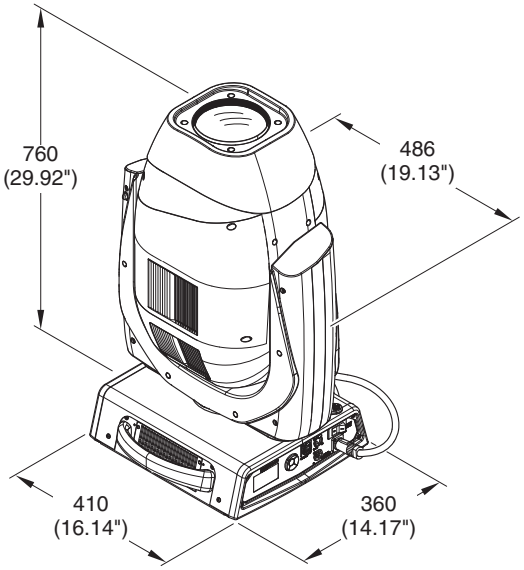
Battery removal - Fig. 27

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

LiFePO4

TECHNICAL INFORMATION





Power supplies
200-240v 50/60 Hz

Input power
1800 VA @230Vac

Lamp source
Osram Lok-it! HTI 1400/PS Lamp
- Color Temperature: 6.000 K
- Life: 750 hrs
- Very high CRI
- Luminoux flux: 120000 lm
- Base PGJ28 Lok-it!
- Light can be run at 1400W or 1200W in Energy Saving mode

Optics
- Zoom 7° - 48°
- ø142 mm front lens
- Electronic Focusing

Color system
- CMY System
- Linear CTO
- Color Wheel with 7 color filters

Framing system
- 4 Blades that move separately
- Smooth, flexible blade movements at variable speed
- A "total curtain" effect made separately by each of the 4 blades, in many - shapes and colors
- Small and large dynamic profiles
- 90° rotation of the entire system, at variable speed

Effects section
- One wheel with 6 rotating gobos (immagine ø26 mm)
- One wheel with 8 fixed gobos
- Rotating prism with 4 faces
- 16 blades fast iris
- Variable "soft edge" frost
- Variable flood frost
- Very precise 0-100% dimmer
- Fast stop/strobe effect

Control and programming
- 37 or 41 DMX 512 control channels
- DMX protocol signal: USITT DMX 512
- Art-Net / RDM
- Display: LCD 128 x 64 dots, backlit LED, white on black
- Pan and Tilt Resolution: 16 bit
- Focus Indexing Resolution: 16 bit
- Dimmer Resolution: 16 bit
- Rotation gobo Resolution: 16 bit
- Movement control: vectorial
- DMX signal connection: 5 pole XLR input and output
- Software upload through DMX input / 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:
  Angle Rotation: 540°
  Fast speed: 4.210 sec
  Normal Speed: 4.958 sec
  PAN Resolution: 2.10938°
  PAN FINE Resolution: 0.00824°
  Accuracy:
  Resolution ± 0.1° (Range 0.2°)
- TILT
  Angle rotation: 268°
  Fast speed: 2.536 sec
  Normal speed: 3.246 sec
  Resolution 1.04688°
  TILT FINE Resolution: 0.00409°
  Accuracy:
  Resolution ± 0.1° (Range 0.2°)

Electronics
- Long life self-charging buffer battery
- ON/OFF lamp control from the lighting desk
- 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

Working position
- Working in any position
- Hanging system: with fast-lock omega clamps (1/4 turn) on the base

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
41 kg (90 lbs)

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