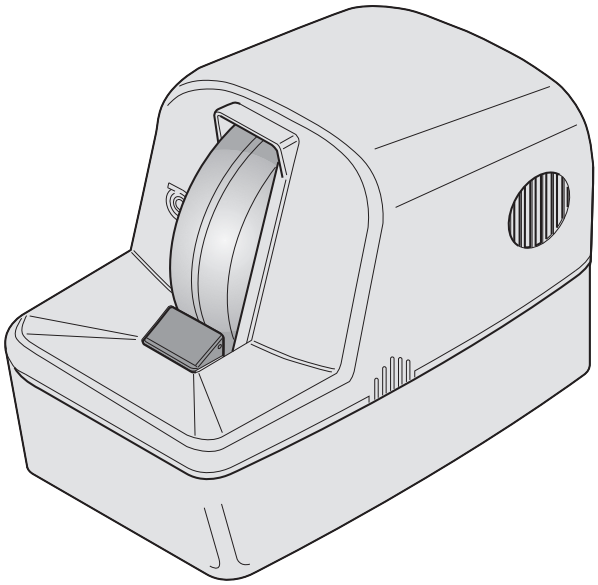
CE

MANUAL EDGER

HANDY

Instructions for use
and maintenance

Ed. 1.2



Standard models:
HANDY 20 - H20 - H30 - H34
Models with sensor for automatic Start/Stop:
HANDY 20S - H20S - H30S - H34S

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OP015_2

R.O.M. s.p.a. Ricerca Ottico Meccanica

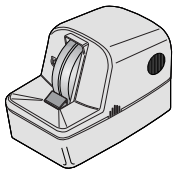
Foreword

Congratulations for having chosen a R.O.M. free-hand edging system. We recommend become familiar with your new manual edger to work safely.
To this end, read these instructions carefully before use; they will provide you any useful information for a correct use and maintenance and will help you get the best performance out of your new edger.

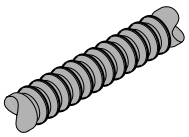
What does the package contain?

Make sure the package contains all the items listed below.
If any items are missing, please address to your dealer.
Keep the original packaging material if you expect you have to move your HANDY edger.

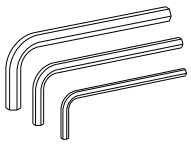
Copyright



HANDY edger



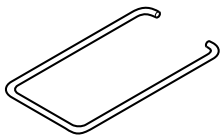
Drain pipe



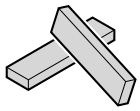
Set with Allen wrenches

Fuses

Feeding fitting



Pliers for case removal



Stick for Diamond Disk

Sponges

Contents

1 General information

1.1 Using the instruction manual

This manual is an integral part of the line and provides all the information necessary for:

- the correct instruction of the operators on problems of safety;
- the correct installation of the machine;
- the in-depth knowledge of the machine operation and limits;
- the correct use in safe conditions;
- performing maintenance jobs in a correct and safe way;
- dismantling the machine in conditions of safety and in the respect of the regulations in force on the health and safety of workers and the protection of the environment.

The instructions, drawings and documentation in the present manual are the property of **R.O.M. s.p.a.** and cannot be reproduced or copied in any way, neither as a whole nor partially.
The client is also responsible for making sure that, if this document is modified by **R.O.M. s.p.a.**, only the revised versions of the manual are effectively present in the points of use.

WARNING

The supervisors of the machine must carefully read the contents of this manual and make sure it is read also by the operators and service technicians in the parts of their competence.
The time spent to read this manual will be rewarded by a proper operation of the machine and by safe operating conditions.

1.2 Care of the manual

Keep this manual with care and make sure it will be supplied together with the machine in case of transfer of title.
The manual must be kept safe and in a good condition, handled with care and with clean hands avoiding leaving it on dirty surfaces.
It should also be kept away from sources of humidity and heat.
The parts mustn't be removed, ripped off or arbitrarily modified.
On request and against payment, **R.O.M. s.p.a.** can supply additional copies of this manual.

WARNING

The manual must be regarded as an integral part of the machine. Therefore it must be kept until the same is disposed of.

1.3 Glossary, abbreviations and pictograms

In this paragraph you can find a list of the technical terms and abbreviations used in the text.

1.3.1 Glossary

- **OPERATOR**: the person or persons given the task of installing, operating, adjusting, maintaining, cleaning, repairing or transporting the machinery (Annex I, 1.1.1 - Directive 89/392/EC);
- **MAN-MACHINERY INTERACTION**: any situation during which an operator interacts with the machine, during a single operation phase or the lifetime of the same;
- **RESIDUAL HAZARD**: a hazard which it has not been possible to eliminate or reduce sufficiently in the design.
- **SAFETY COMPONENTS**: all those parts used to protect the machine operator, the failure or malfunctioning of which can endanger the safety and health of exposed persons (e.g. fixed or mobile guards, electrical, electronic, pneumatic, hydraulic devices, etc.).

1.3.2 Abbreviations

Abbreviation	Meaning
Chap.	Chapter
Par.	Paragraph
P.	Page
Tab.	Table
Min.	Minimum
Max.	Maximum
Fig.	Figure

1.3.3 Pictograms used in the manual

WARNING

The notices preceded by this symbol contain information, instructions or procedures which, if not properly complied with, may cause injury, death or long-term health and environmental hazards, as well as damage or a malfunctioning of the machine.

INFORMATION

The notices preceded by this symbol contain information on subjects of particular importance: failure to comply with this information makes the warranty void.

1.4 Manufacturer's data

Name: **R.O.M. s.p.a. Ricerca Ottica e Meccanica**
Address: Strada delle Seriole, 14 – 47894 CHIESANUOVA – RSM.
Ph. 0549 999558 from Italy (+)378 999558 abroad
Fax 0549 999478 from Italy (+)378 999478 abroad
e-mail rom.sa@omnivay.sm
web pages www.rom.sm

2 Description of the machine and technical data

2.1 Machine versions and optional

MODEL	GRIT	VERSIONS					
		V	SV	E	SE	P	SP
20	D25	X	X	X	X	X	X
H20	D25	X	X	X	X	X	X
H30	D25	X	X	X	X	X	X
H34	D25/64	X*	X*	X	X	X	X
H34	D12/25F	X	X	X	X	X	X
H34	D12/25M	X	X	X	X	X	X

* For the disk with grinding segment, we recommend using version E or P

2.2 Structure of the machine

As of October 2006, the lower fuse holder (**H**) has been eliminated on all models. A 5 x 20 mm “fast-blow” fuse in glass is fitted in the upper fuse holder. [F4 - 250 V] [F4 – 250 V] (Yellow-Black-Red-Red).

The HANDY manual edger consists of the following units:

Ref.	Description
A	Base of injection-molded ABS
B	Dome of ABS
C	Sensor for automatic start/stop
D	Diamond disk with supports and case in IXEF
E	Main switch
F	Power cord
G	Rotation direction selector switch
H	Fuse holder
L	Pump power supply

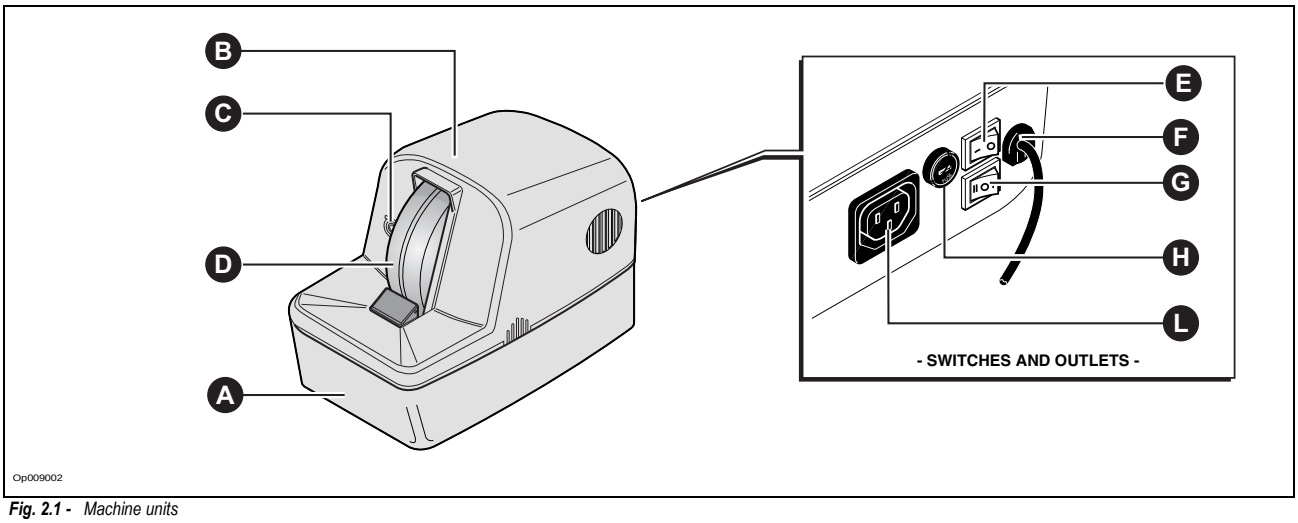


Fig. 2.1 - *Machine units*

2.3 Description of the machine

The HANDY manual edger is a patented machine for professional use and, therefore, must be used by skilled and expert operators.

2.3.1 Envisaged use

The HANDY edger has been designed and manufactured for the manual processing of eyeglass lenses.

Workable materials:

- Glass
- CR39
- Polycarbonate
- Acrylic
- High Index
- Trivex

2.3.2 Improper use

Do not use the machine to work materials other than those envisaged by the manufacturer.
Do not, at any times, change members or devices of the machine.

Technical data	
Power supply:	230 V 50 Hz 1/N/PE AC
Single-phase 2-pole motor:	180 W - (10 µF 450 V capacitor)
Water feeding fitting:	¾" (std for household appliances) with filter
Max water pressure:	4 bar
Water pump:	15 W – 230 V – with magnetic drive (optional)
Dimensions (W x D x H):	180 x 299 x 212 mm
Weight	7 kg
Gross weight	11 kg
Belt transmission	POLY - W / 3-J

3 General safety information

3.1 Safety warnings

ROM S.a. supplies the machine for the conditions of use and operation envisaged.
However, during work, we advise the operators to adopt a safe, alert and responsible conduct, for the highest standards of safety of the machine.
To work in the full respect of the safety regulations you should wear regulation protective clothing such as gloves (**B**) and protective goggles (**A**).
Check that this equipment is always in an efficient working order.
Do not wear clothes that could get caught (ties, bracelets, necklaces).
Do not use the machine while taking medicines or after having drunk alcoholic drinks which can slow down your reaction times.
The operator must never be distracted or disturbed during the operating cycle of the machine.
The workplace must be well lit and kept constantly clean.
Before maintaining the machine, disconnect the machine from the mains.
At the end of any work cycle, the main switch shall be turned to 0 (zero) OFF and locked.

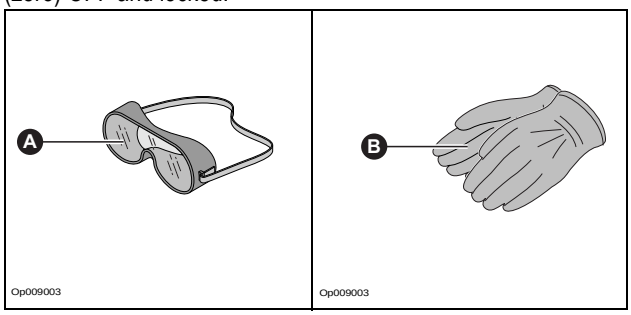


Fig. 2.2 - *Goggles and protective gloves*

3.2 Safety device

Electronic sensor for automatic start/stop.
This device helps the operator work safely.
Sensor (**C**) senses the hand of the operator and starts the diamond disk only when its use is necessary.
Five seconds after the work end, the sensor stops the machine.

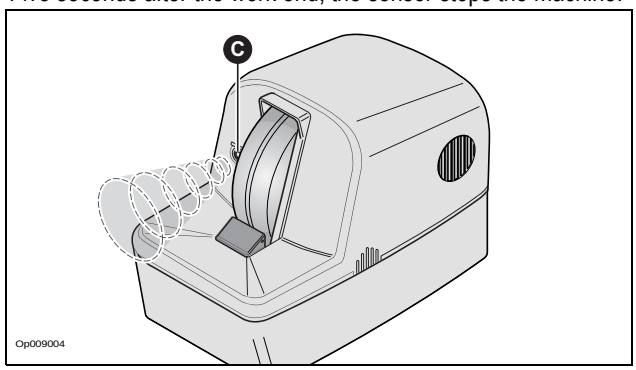


Fig. 2.3 - *Automatic sensor*

3.3 Residual risks

During the designing phase, it wasn't possible to fit guards to the diamond disk as these would interfere with the processing.

WARNING

Never touch the diamond disk with your hands.

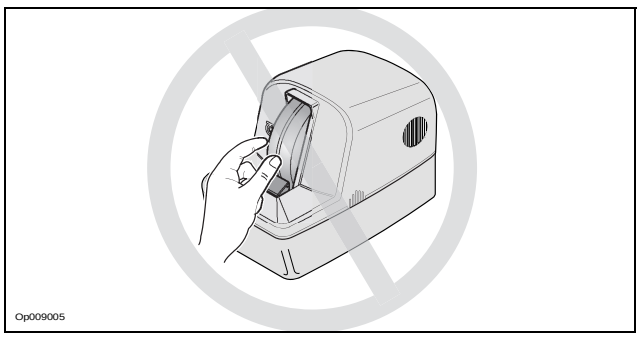


Fig. 2.4 - *Residual risk*

4 Instructions for installation

The installation of the HANDY edger is at the charge of the user. Before installing the machine, read these instructions carefully.

WARNING

R.O.M. s.p.a. is not responsible for any damage to persons, animals or things caused by the non-observance of the instructions in this manual.

4.1 Unpacking

The machine is carefully packed in a cardboard box with the following dimensions:

Overall dimensions	
Dimensions (W x D x H)	42x30x31 cm²
Volume	39 dm (0.039 mc)

The packaging is designed to protect the machine during shipping (vedi Fig. 2.1 -).

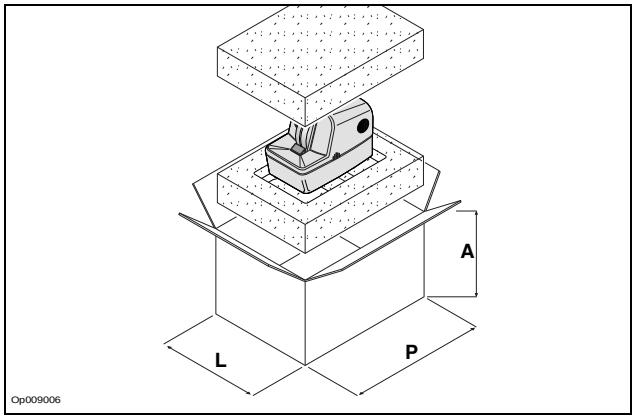


Fig. 2.5 - *Packaging*

Unpack the machine and check it is intact.
IIn the case of damage, contact **R.O.M. s.p.a.**

4.2 Installation

Place the edger on a flat and solid surface and leave enough space all around and from other machinery to work safely and without hindrances.

4.2.1 Preparing the HANDY edger with pump

This version of the HANDY edger is equipped for the connection to a closed loop motor-driven pump.
For the pump-to-machine connection, you have to drill two through holes (one for the drain pipe and the other for the feeding pipe) on the surface on which the machine will be placed.

4.2.1.1 Upwards rotation

To prepare the machine for use, proceed as follows:

- Remove case (**A**) using the pliers (**B**) provided.

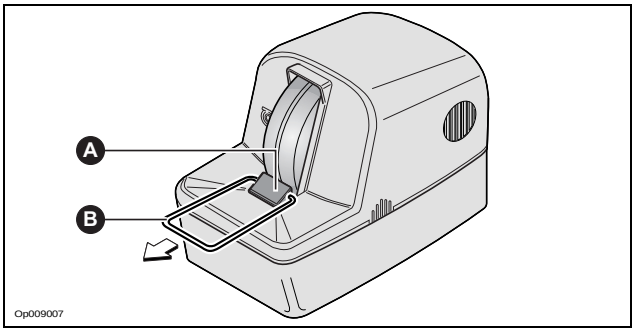


Fig. 2.6 - *Case removal*

- Check that sponge (**C**) (80x40x21 mm) is present in its seat; or fit a new sponge

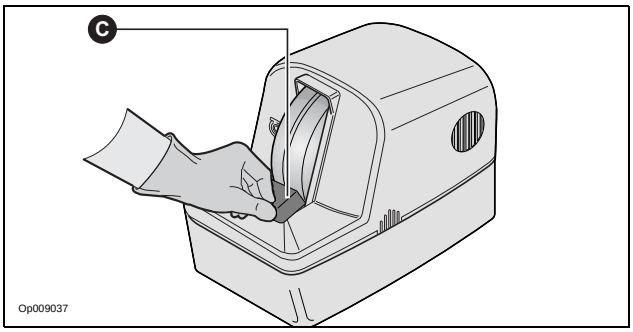


Fig. 2.7 - *Cooling sponge*

- Refit case (**A**)..

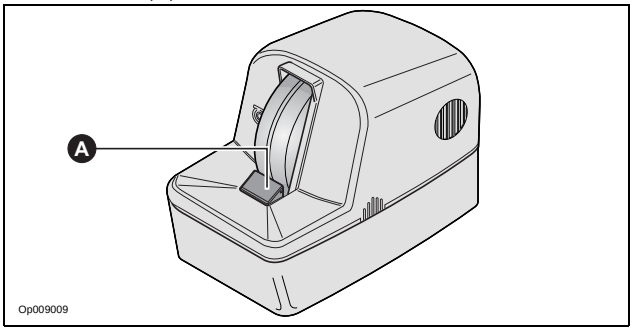


Fig. 2.8 - *Case assembly*

- Place pump (**E**) into tank (**F**); fill the tank with water and place it underneath the HANDY edger at max 60cm from the same.
  Check that the pump is fully submerged.

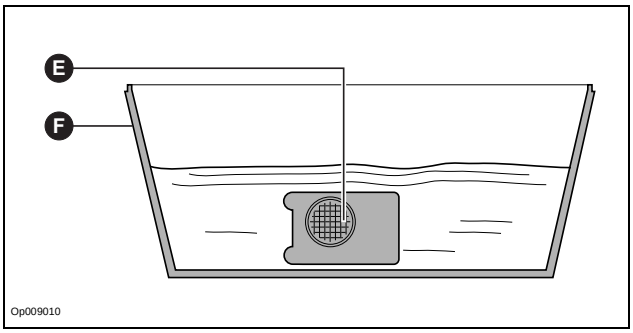


Fig. 2.9 - *Water level*

Cut the drain pipe (white with ribs) (**G**) so that, once positioned, it will be about two centimeters above the tank bottom. To get the maximum efficiency, cut the pipe transversally.

- Insert the drain pipe through the hole on the bench and connect it to the bottom of the machine base screwing it down counter-clockwise. The thin blade close to the draining port helps retain the drain pipe in position.
- Insert the feeding pipe (**I**) through the hole on the bench into the hole on cover (**H**) and connect it to the pump.
- Insert the bottom end of the drain pipe through the hole on the cover.

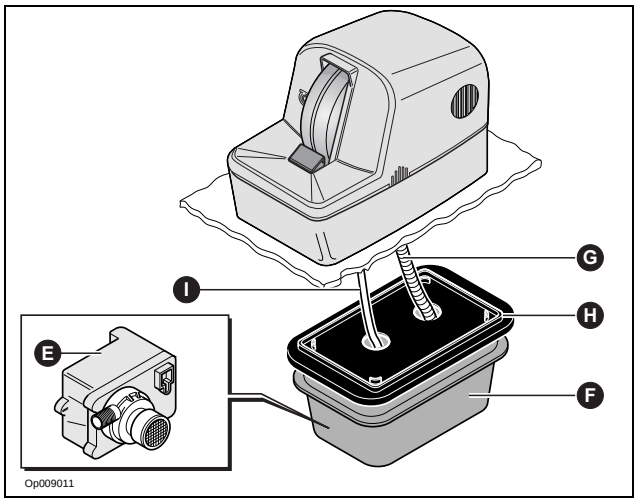


Fig. 2.10 - *Pump installation*

INFORMATION

To improve the cooling capacity of the sponge, damp it before work.

4.2.1.2 Downwards rotation

To prepare the machine for use, proceed as follows:

- Remove case (**A**) from its seat.

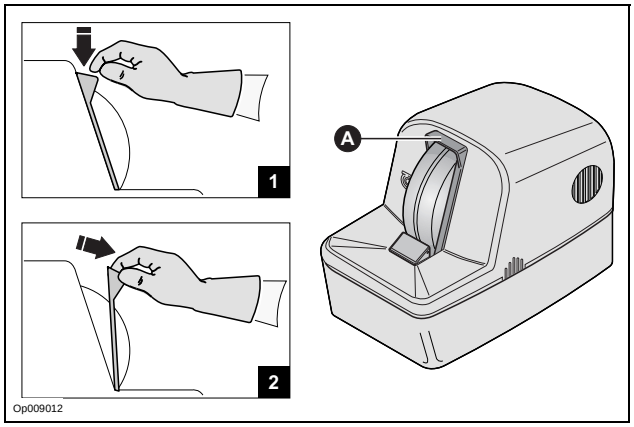


Fig. 2.11 - *Case removal*

- Check that sponge (40x21x15 mm) (**C**) is present in its seat; or fit a new sponge.

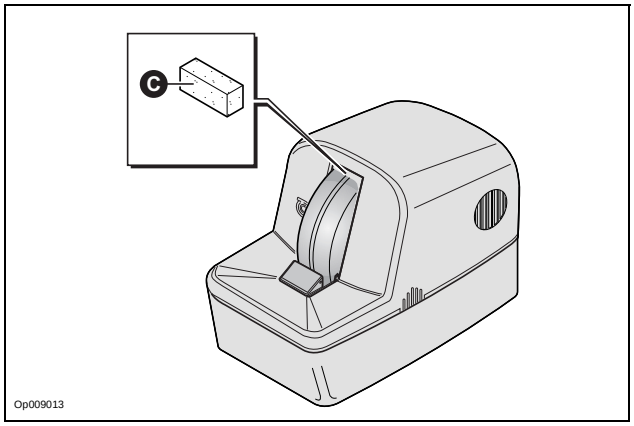


Fig. 2.12 - *Cooling sponge*

- Refit case (**A**).

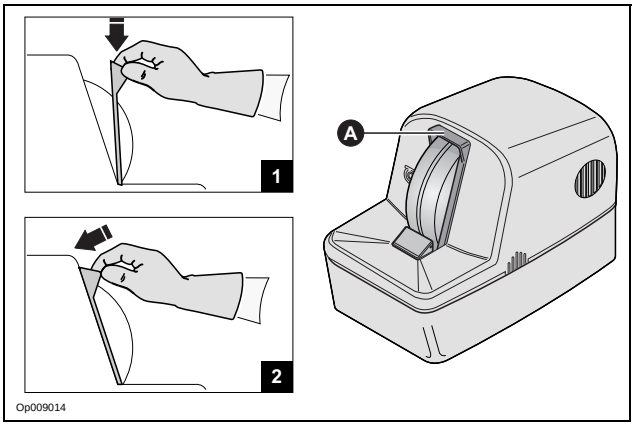


Fig. 2.13 - *Case assembly*

- Place pump (**E**) into tank (**F**); fill the tank with water and place it underneath the HANDY edger at max 60cm from the same.
  Check that the pump is fully submerged.

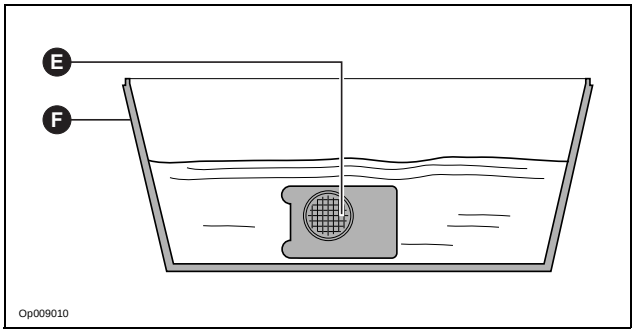


Fig. 2.14 - *Water leve*

- Cut the drain pipe (white with ribs) (**G**) so that, once positioned, it will be about two centimeters above the tank bottom. To get the maximum efficiency, cut the pipe transversally.
- Insert the drain pipe through the hole on the bench and connect it to the bottom of the machine base screwing it down counter-clockwise. The thin blade close to the draining port helps retain the drain pipe in position.
- Insert the feeding pipe (**I**) through the hole on the bench into the hole on cover (**H**) and connect it to the pump.
- Insert the bottom end of the drain pipe through the hole on the cover.

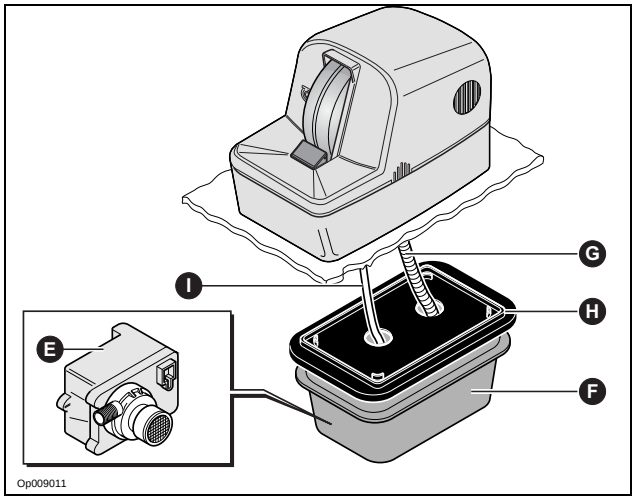


Fig. 2.15 - *Fitting*

INFORMATION

To improve the cooling capacity of the sponge, damp it before work.

4.2.2 Preparing the HANDY edger with solenoid valve

This version of the HANDY edger is equipped with a solenoid valve complete with flow regulator.
This solution lets you always have clean water. For the installation, you have to drill two through holes (one for the drain pipe and the other for the feeding pipe) on the surface on which the machine will be placed.

4.2.2.1 Upwards rotation

To prepare the machine for use, proceed as follows:

- Remove case (**A**) using the pliers (**B**) provided.

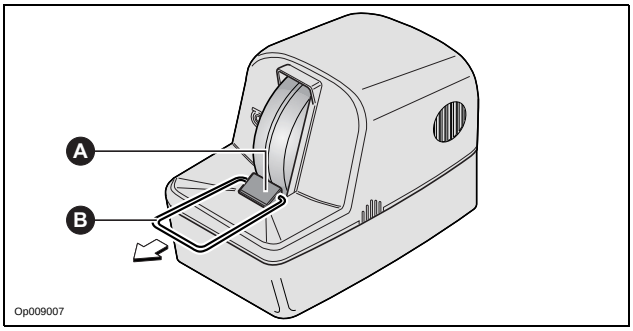


Fig. 2.16 - *Case removal*

- Check that sponges 80x40x21 mm (**C**) are present in their seats; or damp the sponges and fit them in their seats.

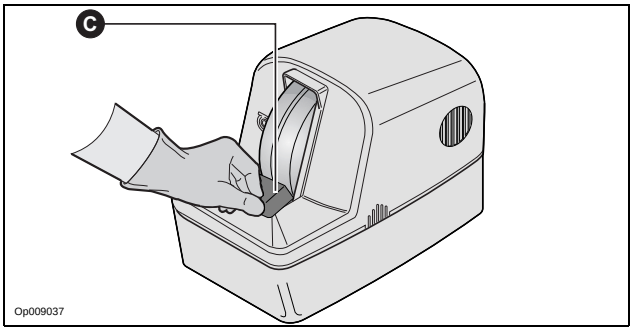


Fig. 2.17 - *Cooling sponge*

- Refit case (**A**).

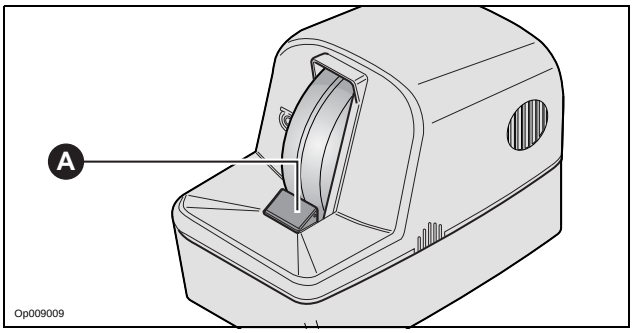


Fig. 2.18 - *Case assembly*

- Cut the drain pipe (white with ribs) (**G**) so that, once positioned, it will be about two centimeters above the bottom of the decantation tank (**E**). To get the maximum efficiency, cut the pipe transversally.
- Insert the drain pipe through the hole on the bench and connect it to the bottom of the machine base screwing it down counter-clockwise. The thin blade close to the draining port helps retain the drain pipe in position.

- Insert the bottom end of the drain pipe into the decantation tank and connect the tank to the draining line of the laboratory.

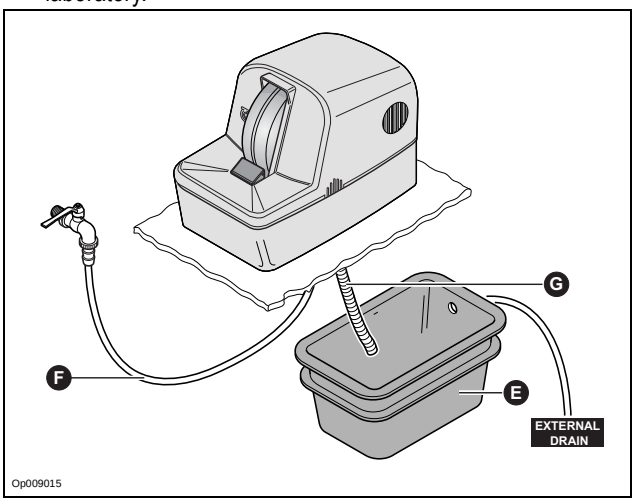


Fig. 2.19 - *Pump installation*

- Insert the feeding pipe (**F**) in the feeding fitting. Screw this fitting on the threaded part of the water tap. Before screwing the fitting down, check that the seal is fitted.
  To prevent water leakage, use as few wyes as possible and do not bend the pipe as this would hinder the water flow

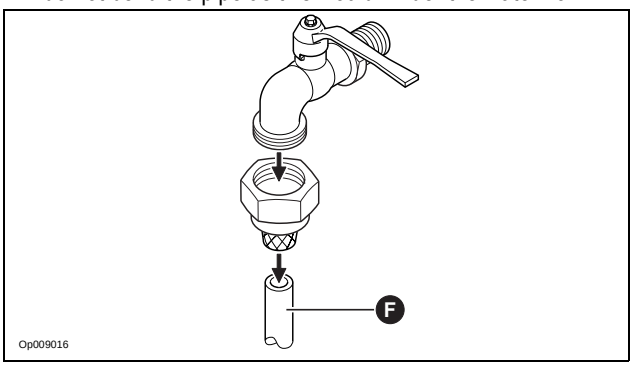


Fig. 2.20 - *Fitting*

WARNING

To improve the cooling capacity of the sponge, damp it before work

4.2.2.2 Downwards rotation

To prepare the machine for use, proceed as follows:

- Remove case (**A**) from its seat.

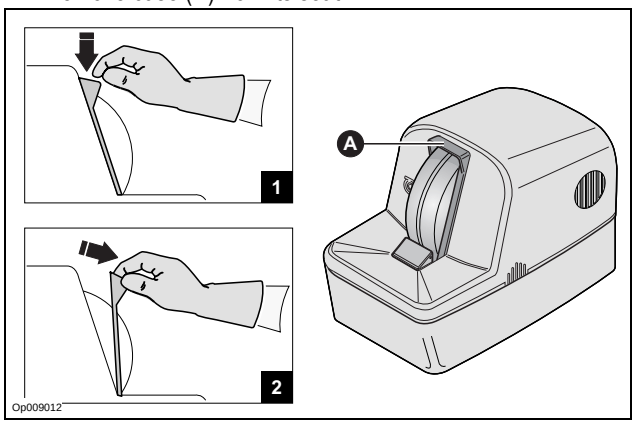


Fig. 2.21 - *Case removalr*

- Check that sponge (**C**) (40x21x15 mm) is present in its seat; or fit a new sponge.

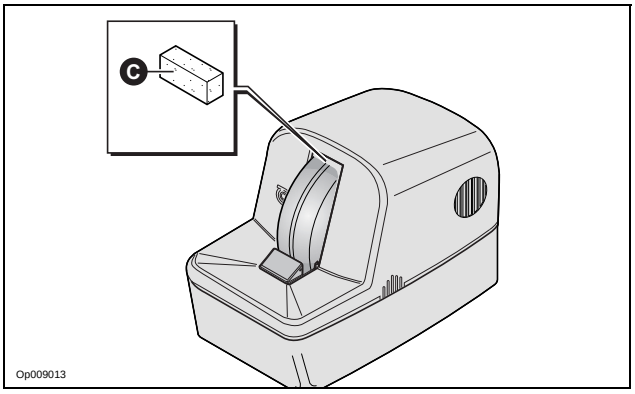


Fig. 2.22 - *Cooling sponge*

- Refit case (**A**).

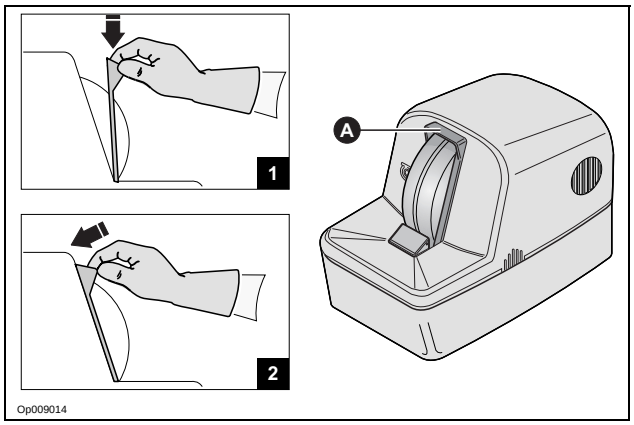


Fig. 2.23 - *Case assembly*

- Cut the drain pipe (white with ribs) (**G**) so that, once positioned, it will be about two centimeters above the bottom of the decantation tank (**E**). To get the maximum efficiency, cut the pipe transversally.
- Insert the drain pipe through the hole on the bench and connect it to the bottom of the machine base screwing it down counter-clockwise. The thin blade close to the draining port helps retain the drain pipe in position.
- Insert the bottom end of the drain pipe into the decantation tank and connect the tank to the draining line of the laboratory.

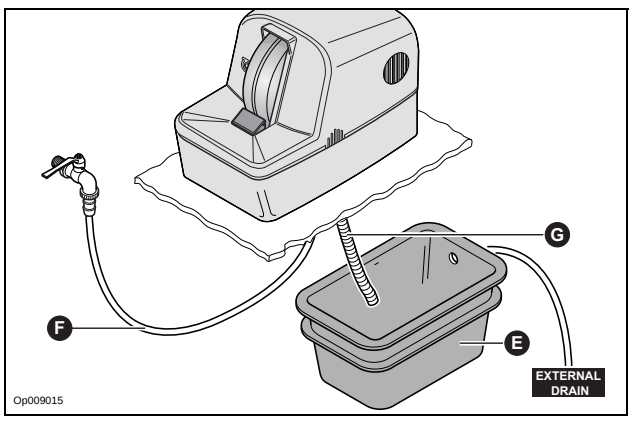


Fig. 2.24 - *Pump installation*

- Insert the feeding pipe (**F**) in the feeding fitting. Screw this fitting on the threaded part of the water tap. Before screwing the fitting down, check that the seal is fitted.
  To prevent water leakage, use as few wyes as possible and do not bend the pipe as this would hinder the water flow.

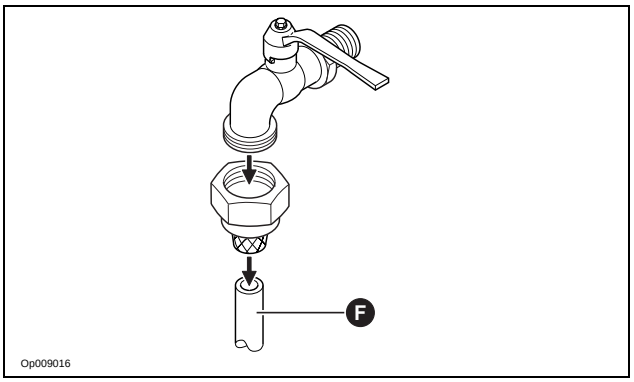


Fig. 2.25 - *Fitting*

WARNING

To improve the cooling capacity of the sponge, damp it before work.

4.2.3 Preparing the HANDY edger with tray

This version is equipped with a water tray which shall be installed in the machine. Water is conveyed to the diamond disk by the sponges placed inside the edger.

4.2.3.1 Upwards rotation

To prepare the machine for use, proceed as follows:

- Insert sponge (**A**) (60x41x21 mm) in seat (**2**),

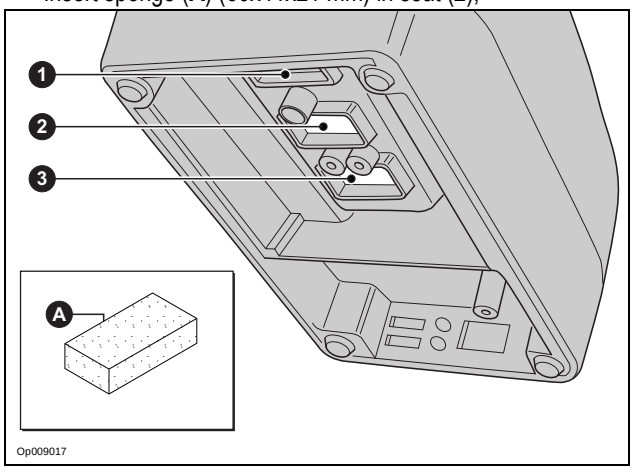


Fig. 2.26 - *Cooling sponge*

- Remove case (**B**) using the pliers (**C**) provided.

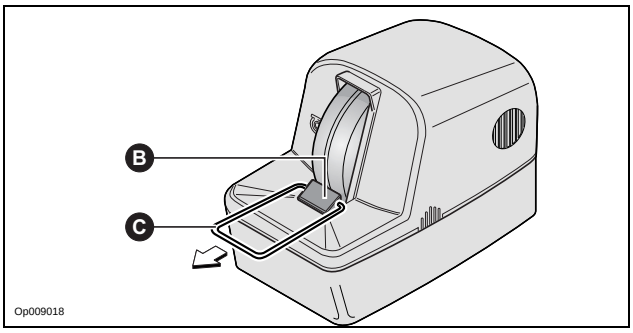


Fig. 2.27 - *Case removal*

- Check that sponge (**D**) (180x100x4 mm) is present in its seats; or damp a new sponge and fit it.

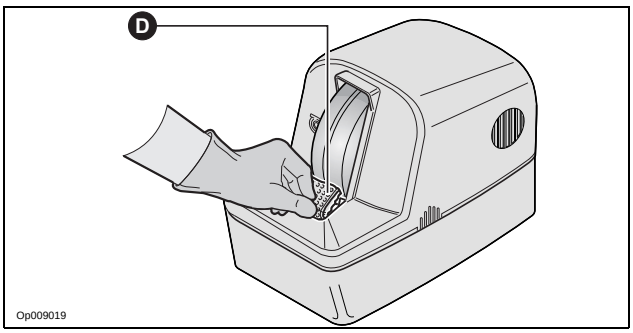


Fig. 2.28 - *Cooling sponge*

- Refit case (**B**).

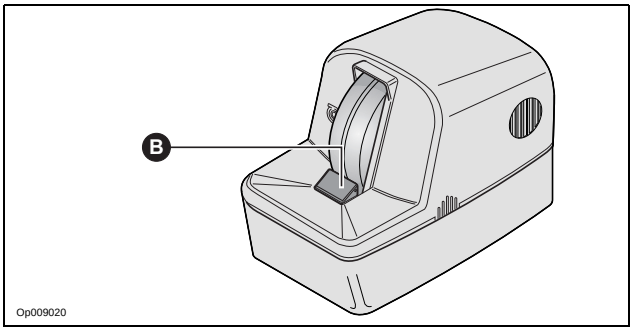


Fig. 2.29 - *Case assembly*

- Fill tray (**E**) with water and place it under the edger checking that the bottom of the sponge enter the special opening in the tray.

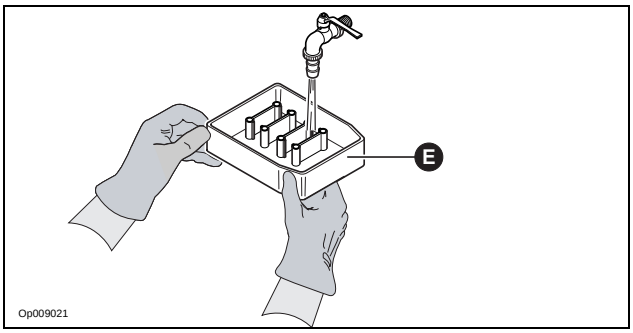


Fig. 2.30 - *Water tray*

4.2.3.2 Downwards rotation

To prepare the machine for use, proceed as follows:

- Insert sponge (**A**) (60x41x21 mm) in seat (**3**).

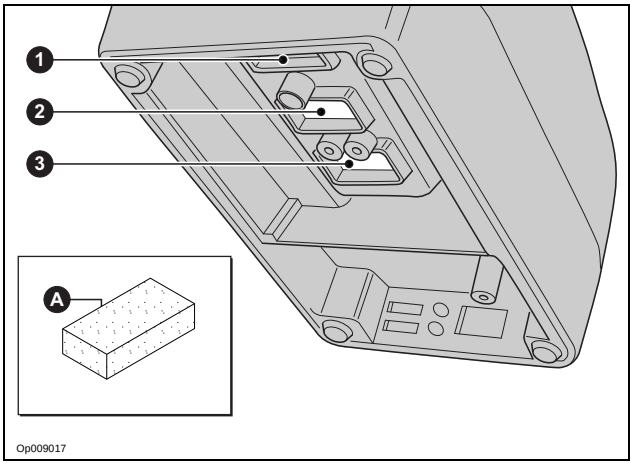


Fig. 2.31 - *Cooling sponge*

- Remove case (**B**) from its seat.

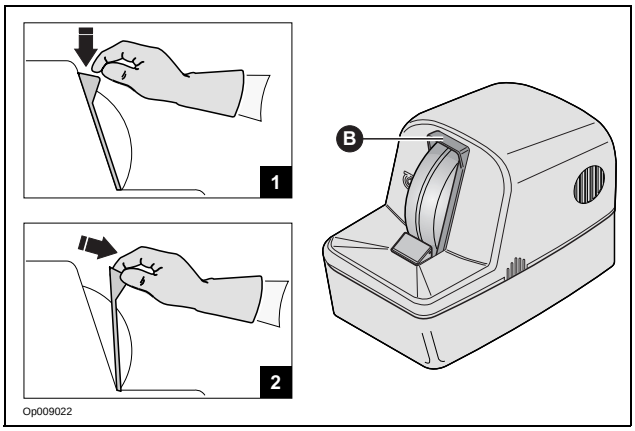


Fig. 2.32 - *Case removal*

- Check that sponge (**C**) (40x21x15 mm9 is present in its seats; or damp a new sponge and fit it.

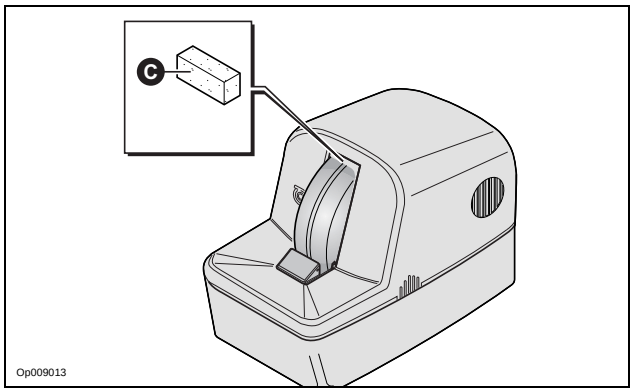


Fig. 2.33 - *Cooling sponge*

- Refit case (**B**).

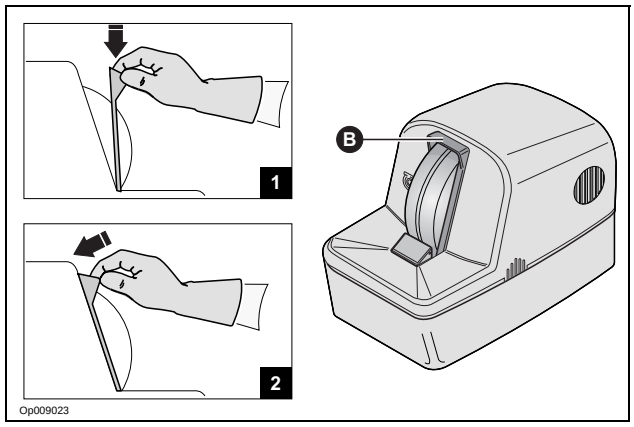


Fig. 2.34 - *Case assembly*

- Fill tray (**D**) with water and place it under the edger checking that the bottom of the sponge enter the special opening in the tray.

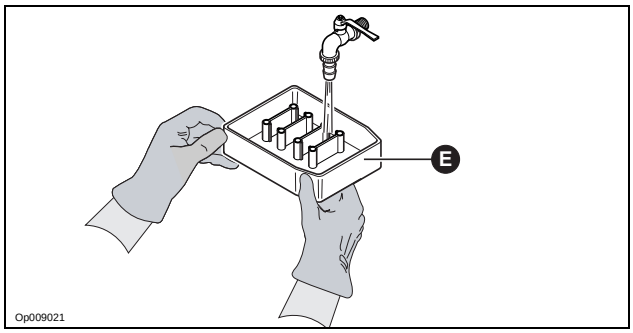


Fig. 2.35 - *Water tray*

4.3 Electrical connections

Before connecting the machine to the electrical system, check that:

- the voltage of the system is the one recommended for the machine (vedi paragrafo 2.4).
- the grounding system is in efficient order;
- all the switches of the machine are turned to the '**0**' **OFF** position.

For the connection to the mains, use a tripolar plug.

5 Use of the machine

WARNING

The HANDY edger has been designed for the professional use.

5.1 Preliminary operations

Before turning on the HANDY edger, check that the cooling system is in efficient working order.

5.1.1 Edger with pump

Before starting using the machine, check that the water in the tank covers the pump.

5.1.2 Edger with solenoid valve

Before starting using the machine, check that the water system of the laboratory does not need a pressure reducer. For a proper operation of the HANDY edger, the max water pressure must be 4 bar.
Also check that the water tap upstream the solenoid valve is 'open'.

WARNING

The water pipe can withstand a max pressure of 6 atmospheres.

5.1.3 Edger with tray

Before using the machine, check that the tray is filled with water and the sponges are wet.

All HANDY models are equipped with a new safety device incorporated in the motor, and have an electronic command and control circuit, so that the start and stop functions occur in safe conditions for the operator and the environment.

- A thermal protector incorporated in the motor switches off the power to the motor to prevent damage due to possible overheating.
- In case of a power failure, the motor cannot automatically restart when the mains power is restored and requires manual intervention by the operator.

5.2 Starting the machine

The selection switch (**B**) lets you select the rotation direction of the diamond disk.

- Position " **I** " upwards rotation
- Position " **II** " downwards rotation
- Position " **0** " no rotation

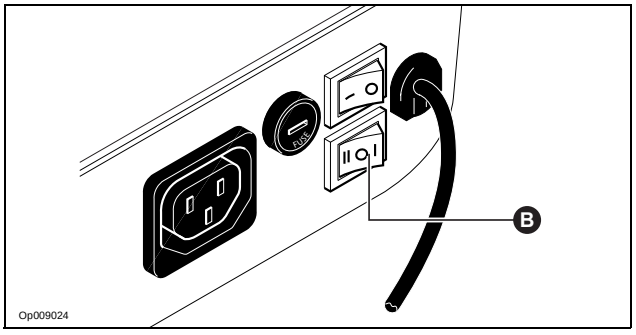


Fig. 2.36 - *Rotation selection switch*

If the motor stops due to overheating, wait until it has cooled, then turn the On switch (**A**) Fig. 5.2. to **" 0** " (Stop).

To restart the motor, turn the switch (**A**) to " **I "** (Start) – the motor will start as usual if the temperature has reached the normal value. If the motor fails to start, wait again and repeat the operation.

The HANDY machine, in its various versions, can be equipped with a red LED indicator that lights up only if the motor overheats. Wait for the red warning light to go off before attempting starting.

In case of a power failure while the motor is working, when the power is restored the motor will not automatically restart; it is necessary to turn the On switch (**A**) Fig. 5.2. to Oand then to " **I "**.

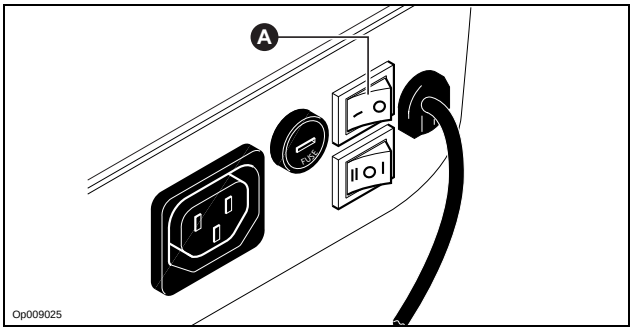


Fig. 2.37 - *Main switch*

INFORMATION

*During operation, if the On switch is used to switch off the motor and then immediately turned to " **I** " (Start), the motor will not start; it is necessary to wait at least 15 - 20 seconds between stopping and the next starting.*

If the edgerHANDY is equipped with the automatic start/stop sensor, the diamond disk will start rotating as soon as you put your hands near the front part of the dome.

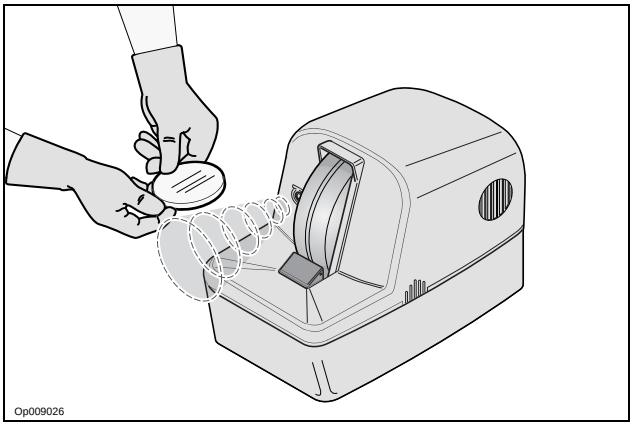


Fig. 2.38 - *Automatic start*

If the edger is equipped with pump and solenoid valve, you have to adjust the water flow of the cooling system operating the adjustment knob (**C**) on the left of the machine, once the diamond disk has been started:

- Turn the knob counter-clockwise to increase the water flow.
- Turn the knob clockwise to reduce the water flow.

INFORMATION

This operation is not necessary if the edger is equipped with tray.

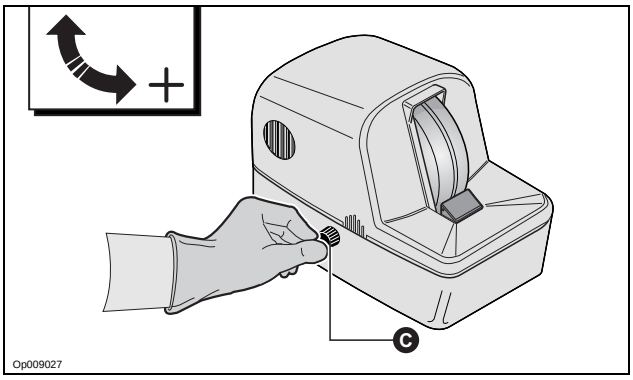


Fig. 2.39 - *Cooling adjustment*

The edger is ready for use.

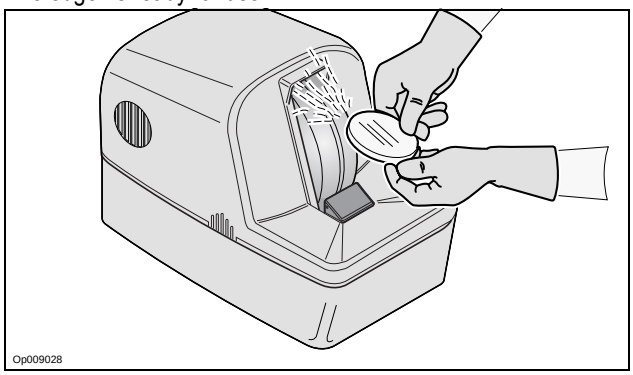


Fig. 2.40 - *Edging*

5.3 Final operations

After a work cycle:

- Turn all the switches (**A**, **B**) to the '**0**' **OFF** position.

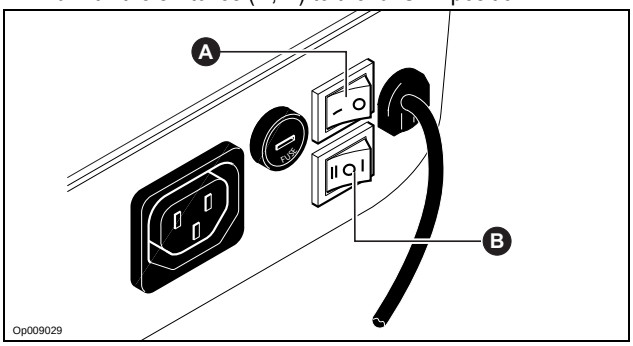


Fig. 2.41 - *Switches*

- Wait for the diamond disk to stop rotating.
- Unplug the power cord from the wall outlet.
- Protect the machine from dust with a nylon cover.

6 Maintenance

6.1 Cleaning the machine

WARNING

Before any maintenance job, turn the main switch of the edger to '0' and unplug the edger from the mains.

Every day, clean the machine and the workplace thoroughly using a dry cloth or a clean brush.

6.2 Changing water (edger with pump)

We recommend changing the water in the pump tank (**A**) at regular intervals.

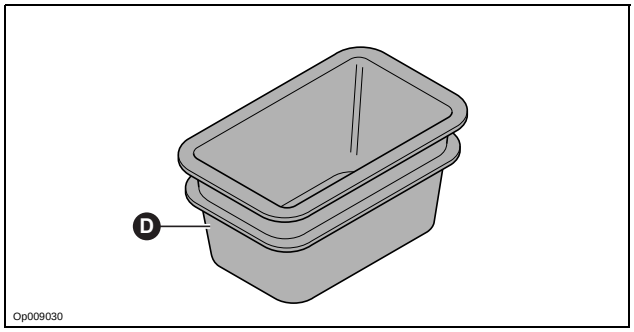


Fig. 2.42 - *Cooling system cleaning*

WARNING

A worn sponge must be replaced according to the instructions in paragraph 4.2.1***; failure to do this job can affect the efficiency of the cooling system.***

R.O.M. s.p.a. recommends using original sponges and spare parts. The use of non-genuine sponges can not assure a proper cooling of the diamond disk and, therefore, a proper edging of the lens.

6.3 Changing water (edger with tray)

We recommend changing the water in tray (**A**) every 2-3 weeks.

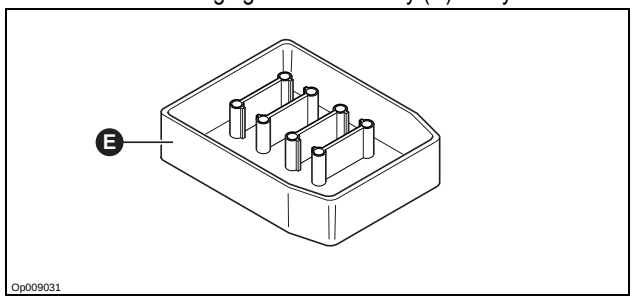


Fig. 2.43 - *Cooling system cleaning*

WARNING

A worn sponge must be replaced according to the instructions in paragraph 4.2.3***; failure to do this job can affect the efficiency of the cooling system.***

R.O.M. s.p.a. recommends using original sponges and spare parts. The use of non-genuine sponges can not assure a proper cooling of the diamond disk and, therefore, a proper edging of the lens.

6.4 Maintenance of the diamond disk

When necessary, re-sharpen the diamond disk with the special stick supplied with the machine.
The stick to use for re-sharpening the disk must be chosen in relation to the grit of the diamond disk fitted on the edger.
Below you'll find a table with the different sticks and disk types

Disk type	Stick	Operation
D 64	White 220	Grinding
D 25	Green 400	Finishing
D 12	Green 600	Polishing

6.4.1 Re-sharpening the diamond disk

- Turn on the machine and follow the instructions in paragraph 5.2
- Choose the stick in relation to diamond disk to be re-sharpened (paragraph 6.4).
- Wet the stick with tap water before starting re-sharpening the disk.

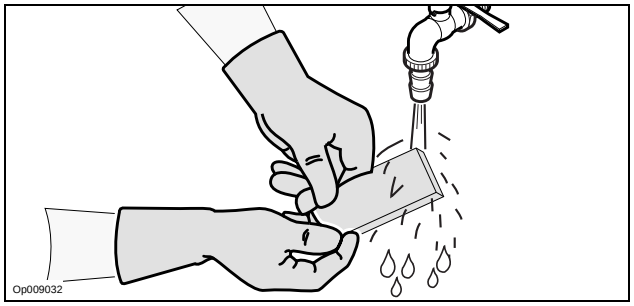


Fig. 2.44 - *Stick preparation*

- Start re-sharpening the face of the disk you wish using the wet stick.

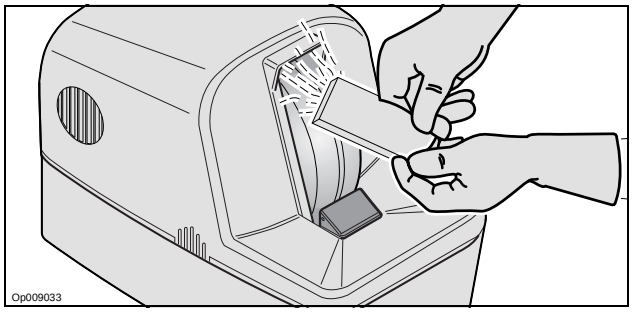


Fig. 2.45 - *Disk re-sharpening*

WARNING

R.O.M. s.p.a. recommends using original sticks and spare parts. The use of non-genuine sticks can not assure the disk the same efficiency and lifetime. Failure to comply with this warning can make the warranty void.

6.5 Electrical maintenance

6.5.1 Changing the fuses

Fuses protect the electrical system against overheating and fire due to short-circuits or excessive overloads and prevent damage to any connected appliances due to an excessive current absorption caused by a defective component or an improper use. To change a blown fuse, follow the instructions below:

- switch off and unplug the edger
- unscrew cap (**A**) of the fuse holder located at the back of the machine

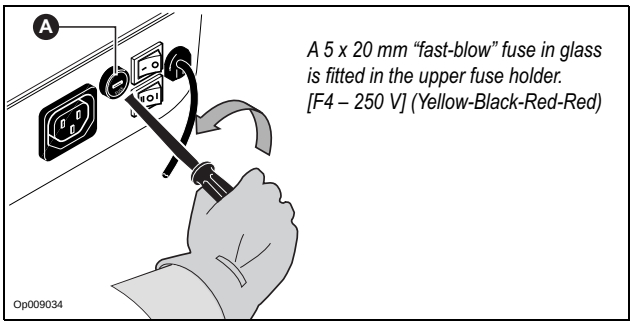


Fig. 2.46 - *Fuse holder cap removal*

- Replace the blown fuse

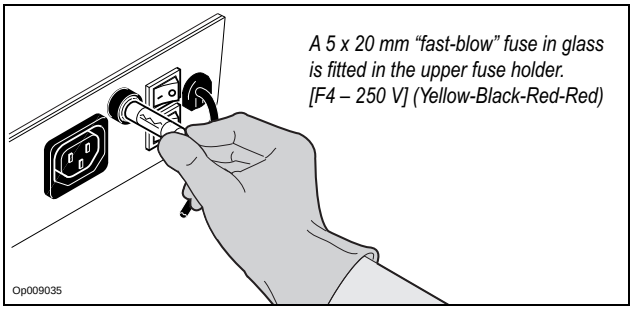


Fig. 2.47 - *Fuse replacement*

- Screw down the fuse holder cap

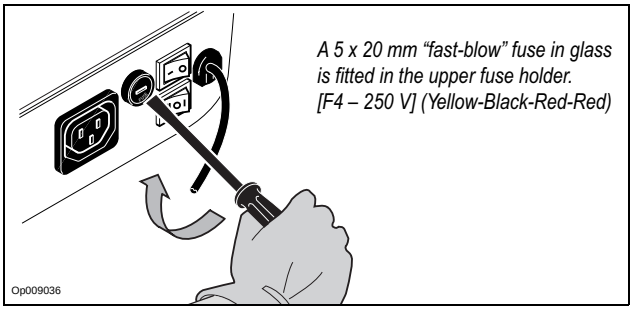


Fig. 2.48 - *Fuse holder cap repositioning*

7 Troubleshooting

This section will help you solve the most common problems which can be encountered when using the HANDY edger.

Problem	Cause	Solution
The machine does not switch on	Main switch turned to OFF	Turn the main switch to position '**I**'
	Fuse blown	Change the fuse
	The power cord is not properly plugged in	Plug the power cord in the power outlet correctly
	The power cord is damaged	If the power cord is damaged, replace. If you are using a multisocket, check that this is correctly plugged in and the relevant switch is turned on
The diamond disk does not turn	No movement selection	Select the rotation direction with the selector switch ('I' or 'II')
The proximity switch does not deactivate the machine automatically	The sensor is dirty	Clean the external surface of the sensor with a soft and dry cloth
The cooling system does not load water	The water tap to which the machine is connected, is closed	Open the water tap
	The feeding pipe is bent	Check that the pipe is not bent
	The filter of the water fitting is dirty	Clean the filter
	The water pump is off	Turn on the pump
The diamond disk does not work properly	The disk is worn	Re-sharpen the disk using the special sticks supplied

8 Disposal

WARNING

Do not disperse the machine or parts of it in the environment.

Application of Directives **RoHS** - 2002/95/EC / **WEEE** – 2002/96/EC

None of the machine's constituent materials belong to the category of toxic/noxious substances or products.

The components of the electrical and electronic circuits were manufactured and installed in full accordance with the provisions of the Community Directive 2002/95/EC on the restriction of the use of hazardous substances.

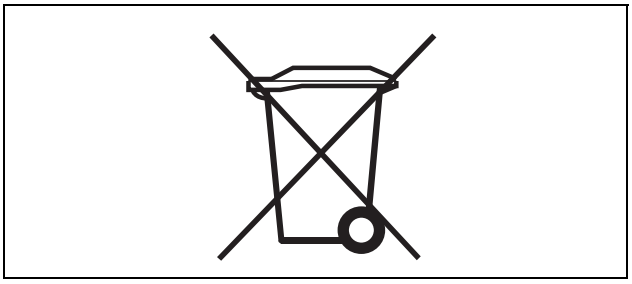
RoHS stands for "**R**estriction of **H**azardous **S**ubstances", the subject of the above-mentioned community directive which restricts the use of certain detergents, certain heavy metals and certain flame retardants in electrical and electronic equipment. The Directive contributes to protecting the environment through a reduction in the environmental impact of Waste Electrical and Electronic Equipment (RAEE/WEEE) and through greater waste recovery.

WEEE (**W**aste **E**lectrical and **E**lectronic **E**quipment) is the primary European designation of Directive 2002/96/EC.

The fundamental objectives of the **WEEE** Directive are to prevent uncontrolled dumping of waste electrical and electronic equipment, to provide incentives for reuse, recycling and other forms of recovery of used materials and components, and to improve the environmental conditions and performance of all players involved in the product lifecycle (manufacturers, sellers, treatment plants).

The Directive establishes the objectives for recovery, reuse and recycling as a percentage (%) in average weight per appliance that must be achieved by European Union (EU) member states.

At the end of the lifecycle of the machine or any of its components, ask your local distributor or the manufacturer R.O.M. s.p.a. for up-to-date information on the proper disposal of individual components or the complete machine.



R.O.M. s.p.a. Ricerca Ottico Meccanica

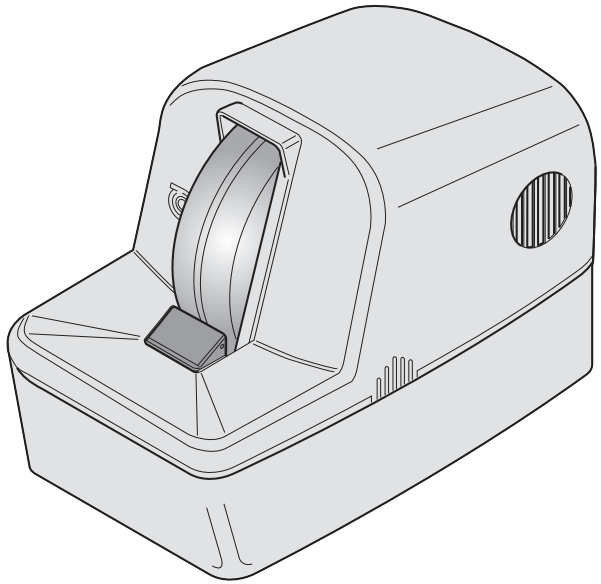
Strada delle Seriole, 14
47894 Chiesanuova (RSM)
PH: 00 39 (0) 549/999558
FX: 00 39 (0) 549/999478

CE Ed. 1.3

MANUAL EDGER

HANDY

Spare parts catalogue



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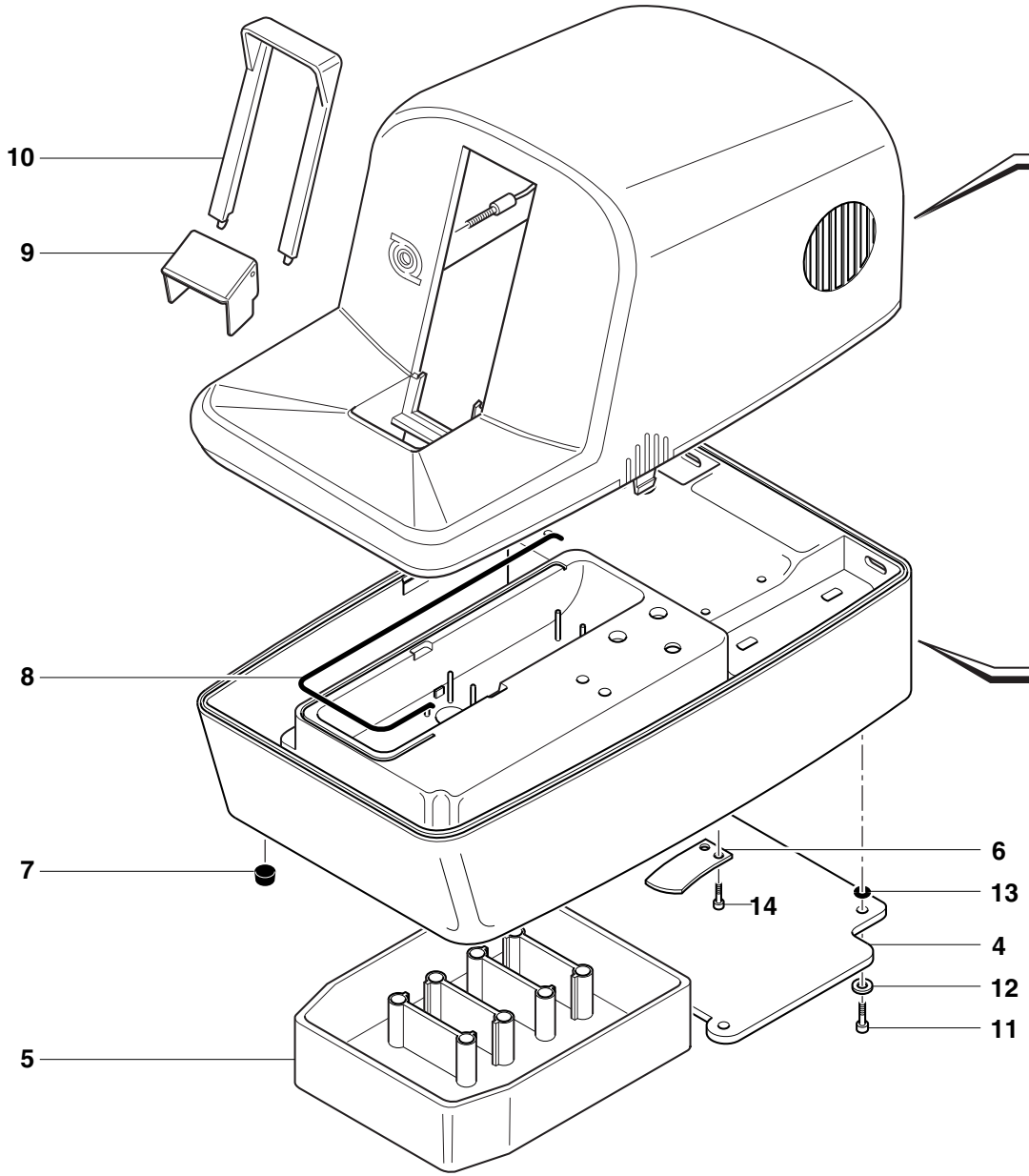
R.O.M. s.p.a. Ricerca Ottico Meccanica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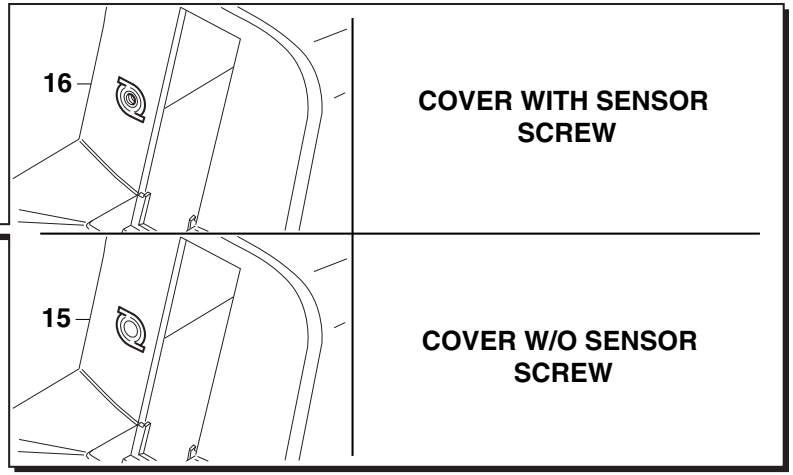
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COVER WITH SENSOR SCREW
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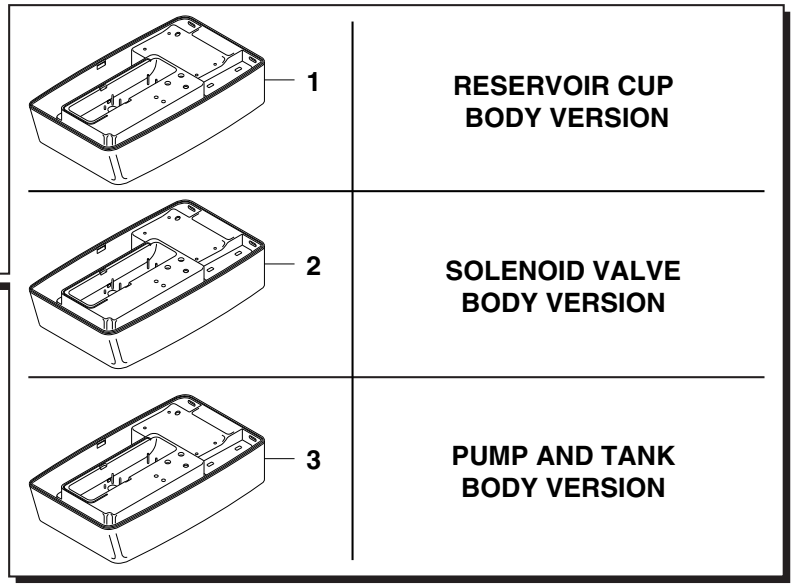
COVER W/O SENSOR SCREW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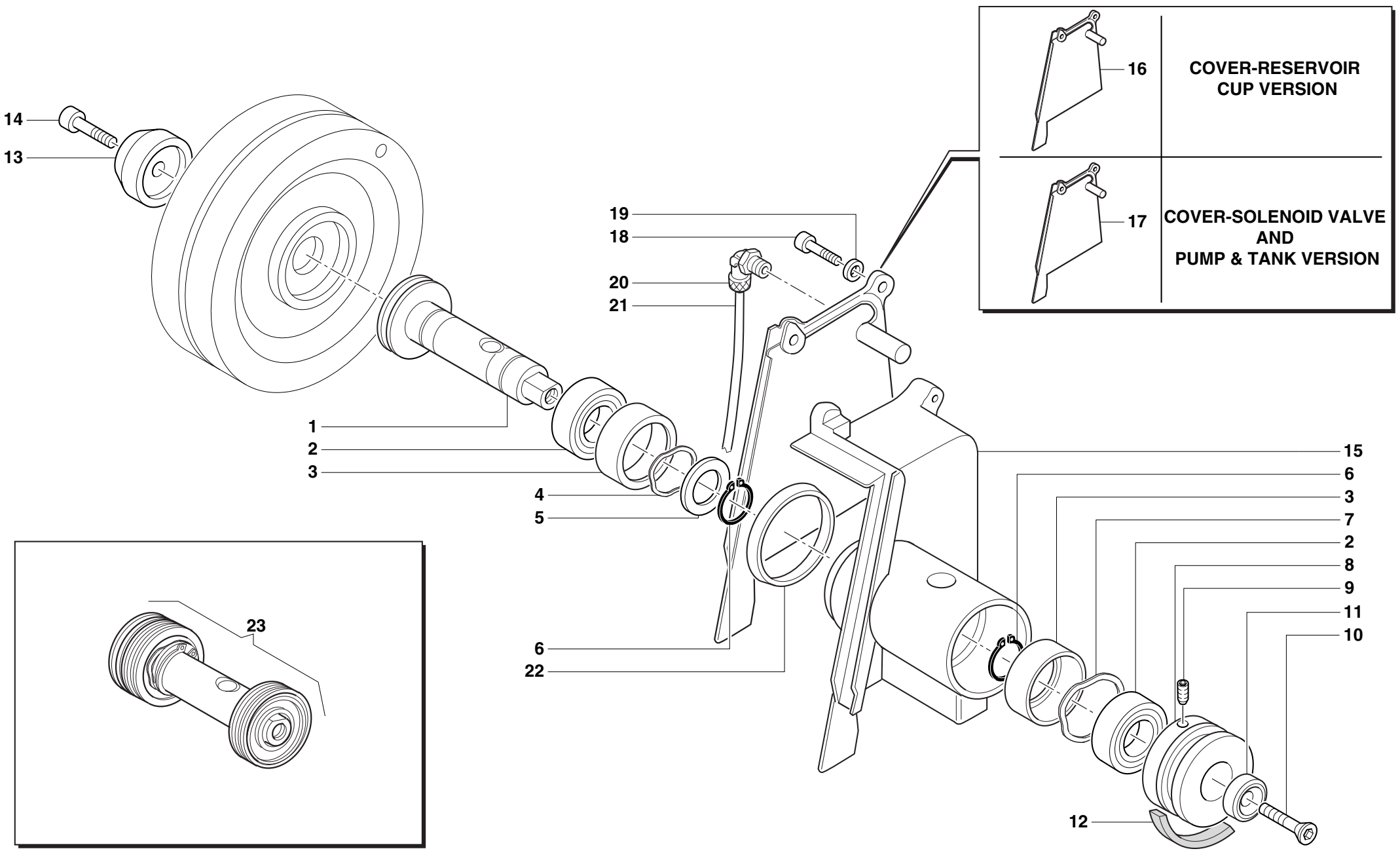
2
SOLENOID VALVE BODY VERSION
3
PUMP AND TANK BODY VERSION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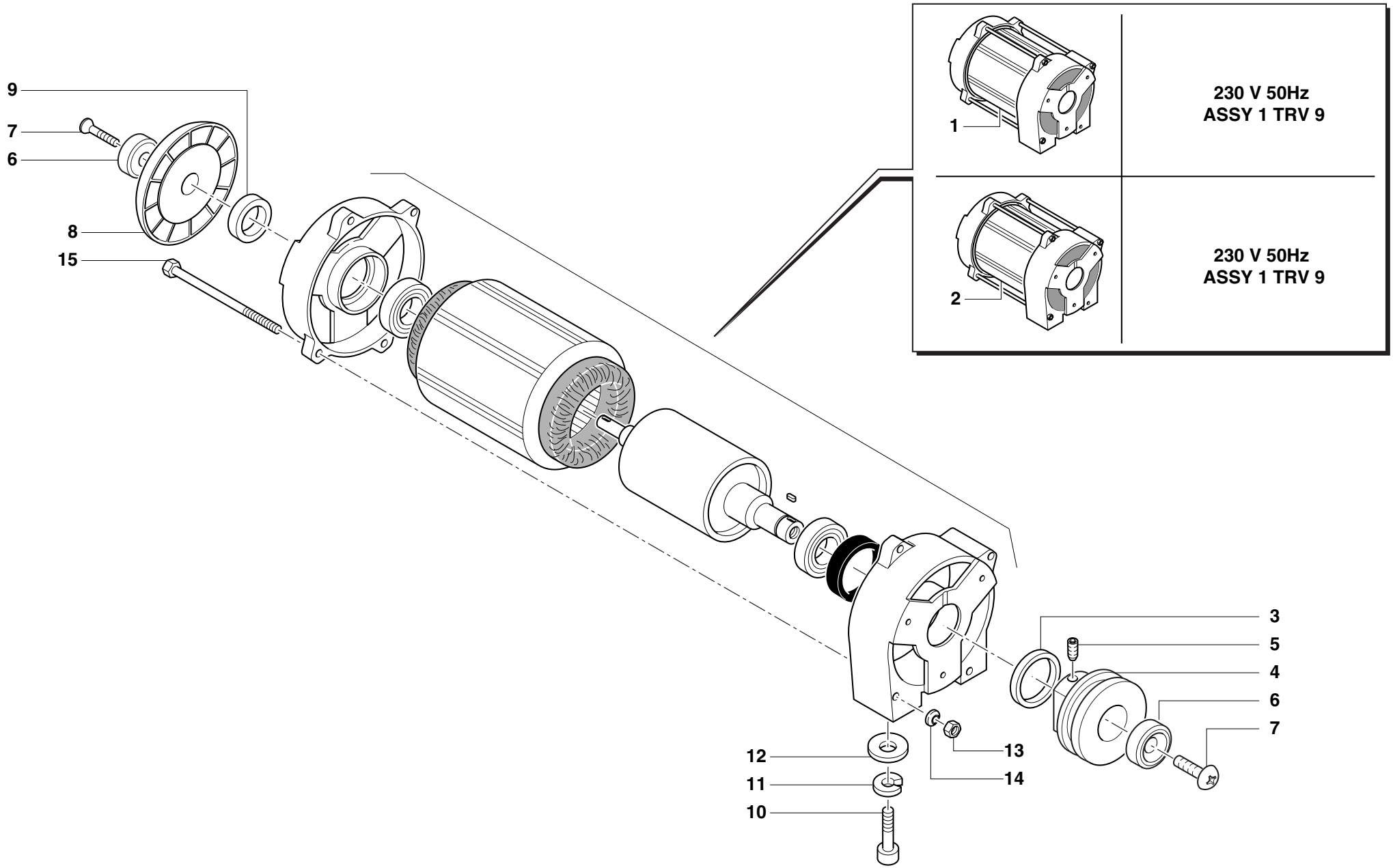
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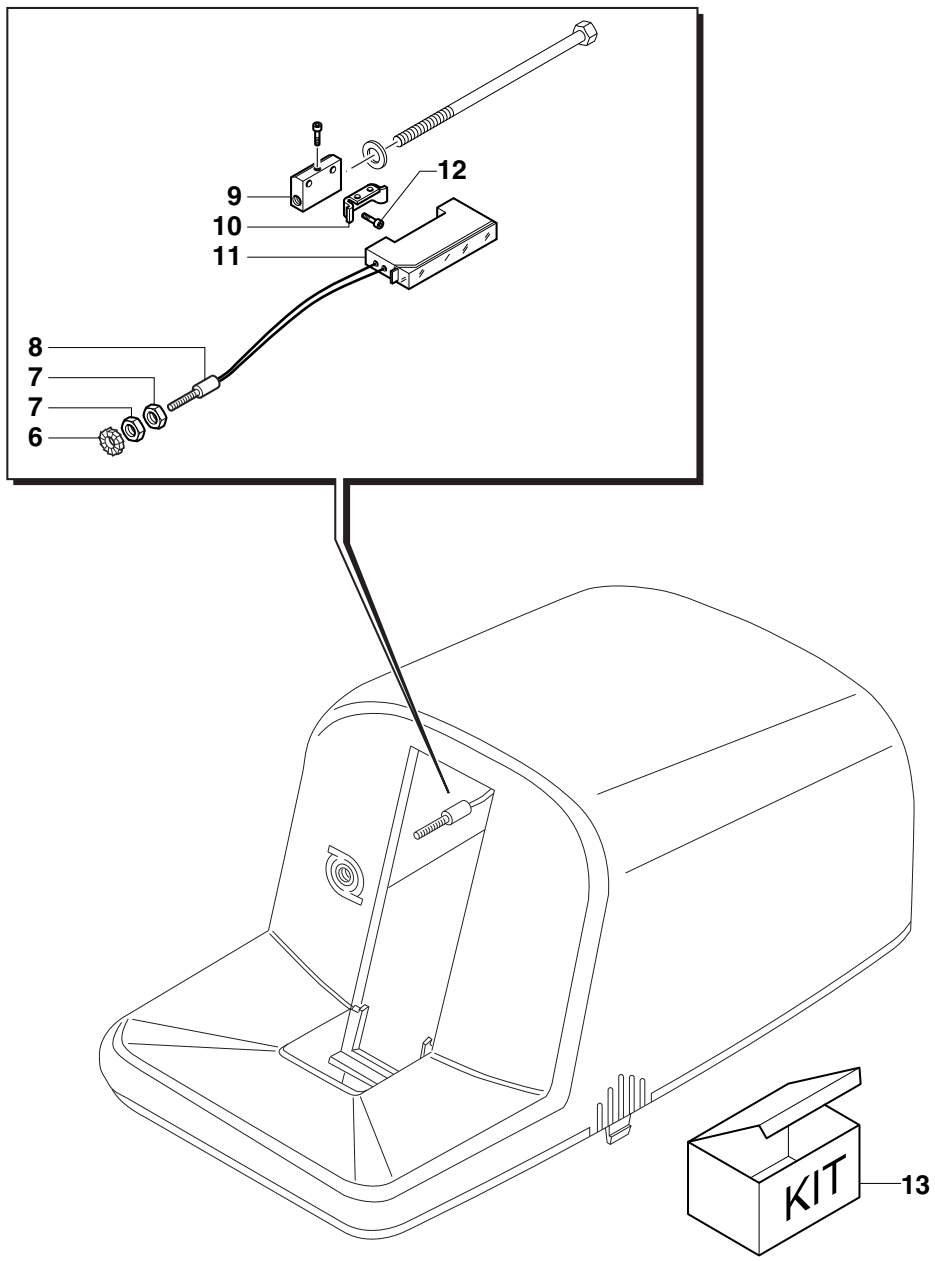
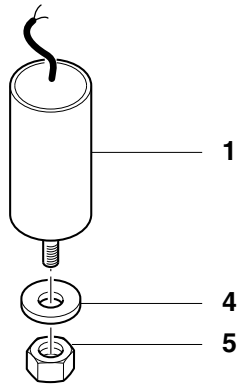
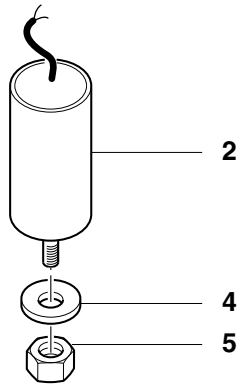


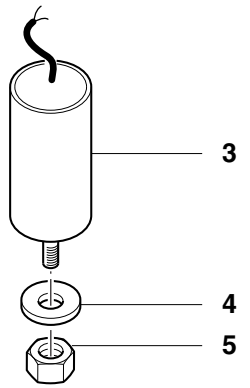
CAPACITOR 8 Mdf 450V (32X55)

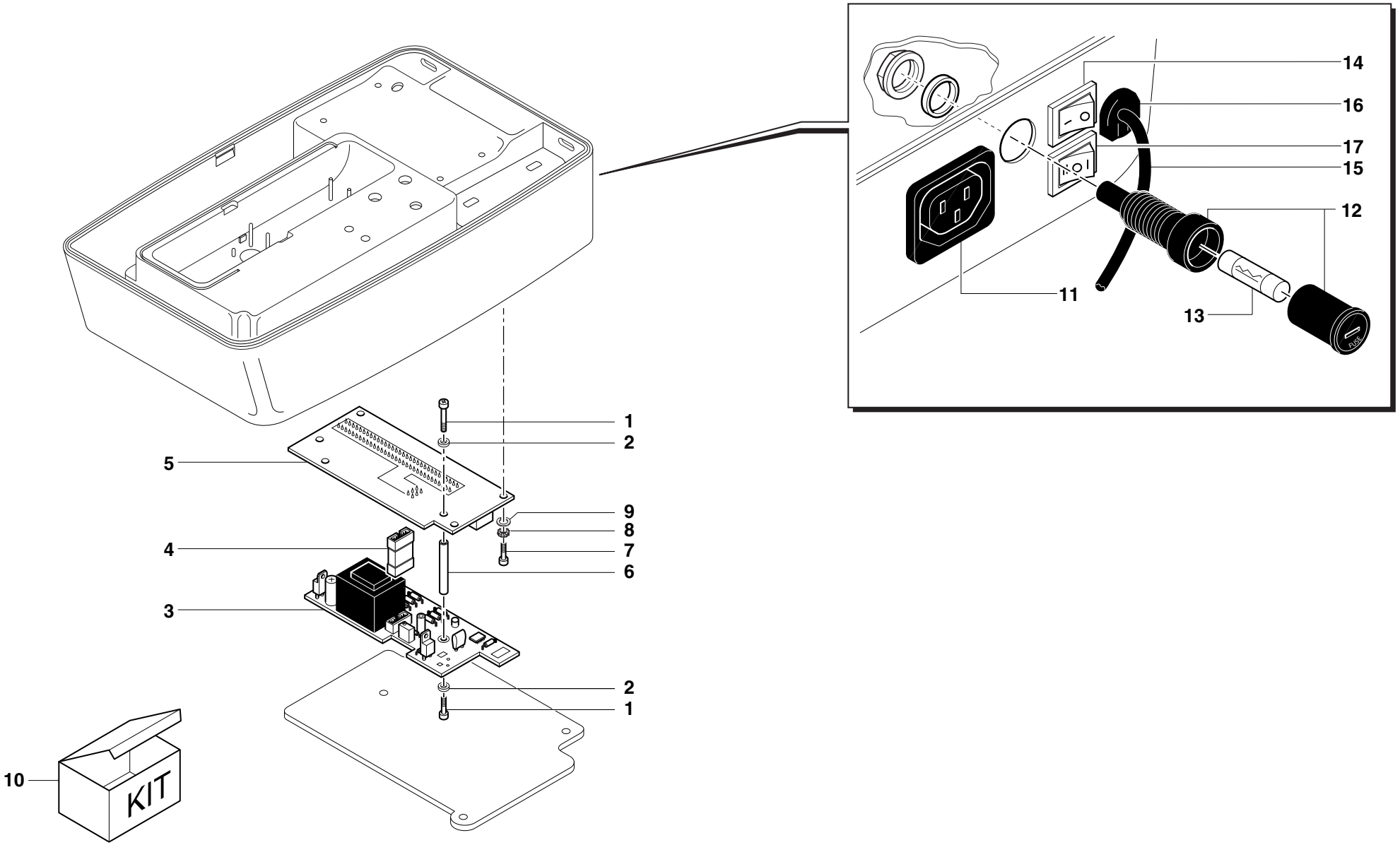


CAPACITOR 10 Mdf 450V (36X68)



CAPACITOR 30 Mdf 450V (40X92)

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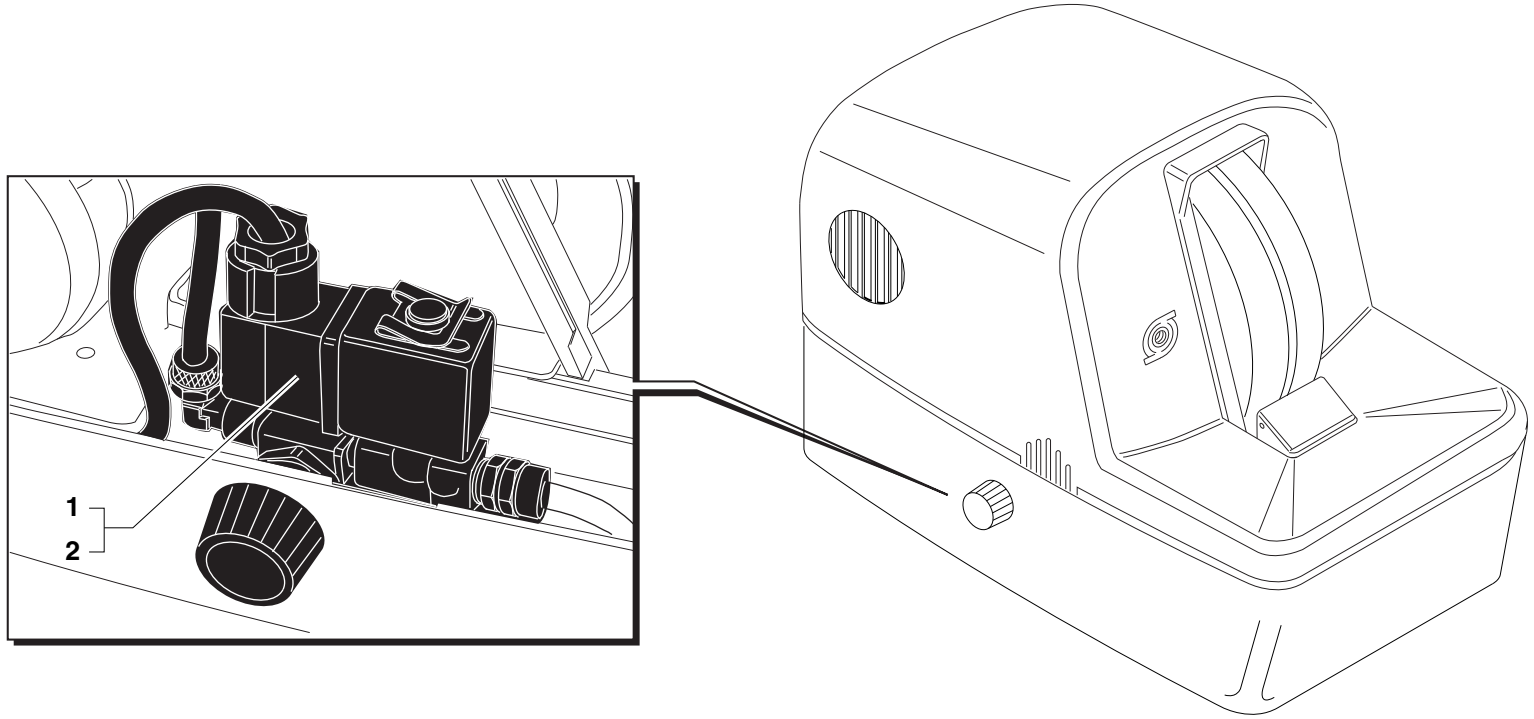
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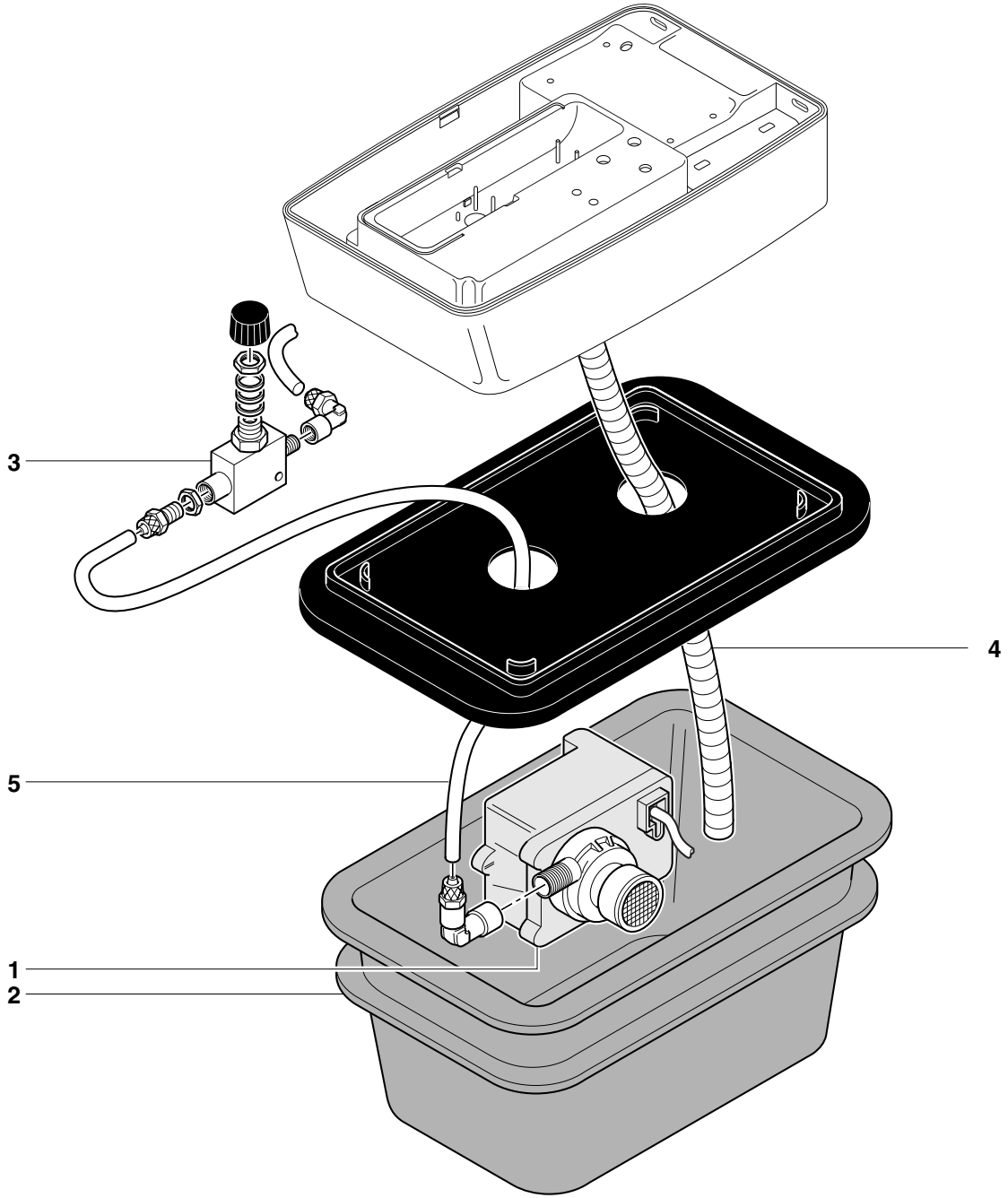
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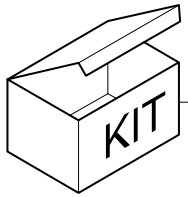
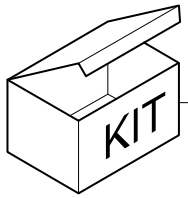

KIT
6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7

HANDY H34

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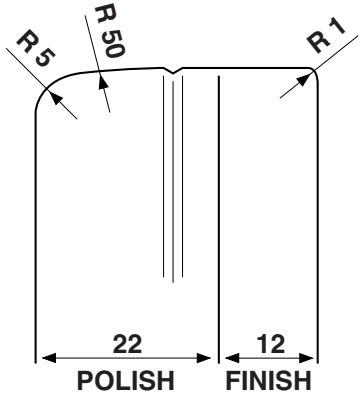
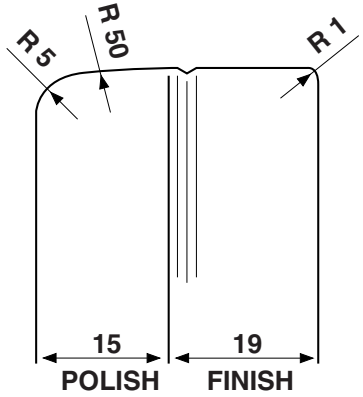
GRIT 22mm : D12
GRIT 12mm : D25



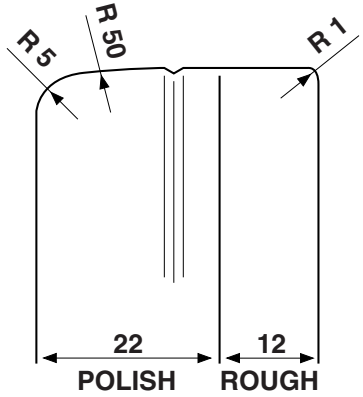
HANDY H34 F

CODE : 0352064200
GRIT 15mm : D12
GRIT 19mm : D25



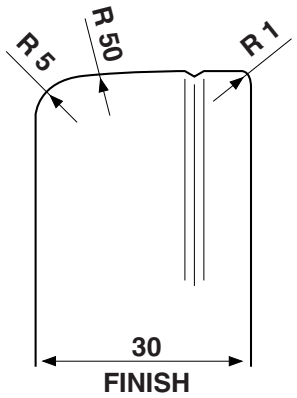
HANDY H34

CODE : 0352062800
GRIT 22mm : D25
GRIT 22mm : D64



HANDY H30

CODE : 0352058500
GRIT D25



HANDY H20

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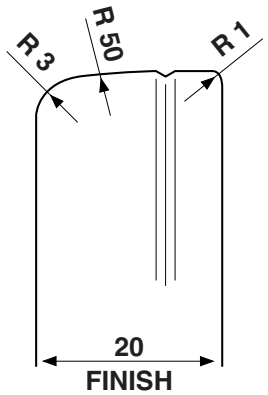
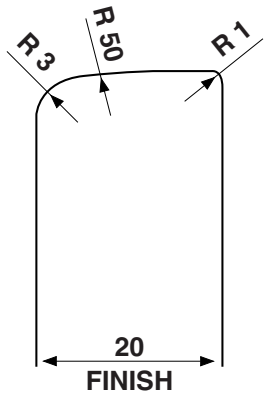
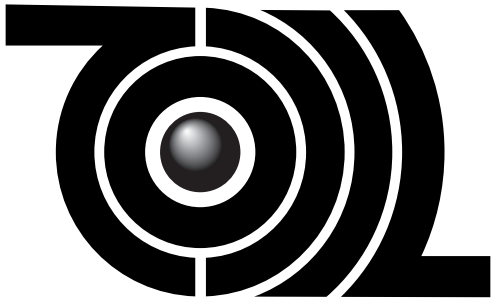
GRIT D25



HANDY 20

CODE : 0352050500
GRIT D25





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