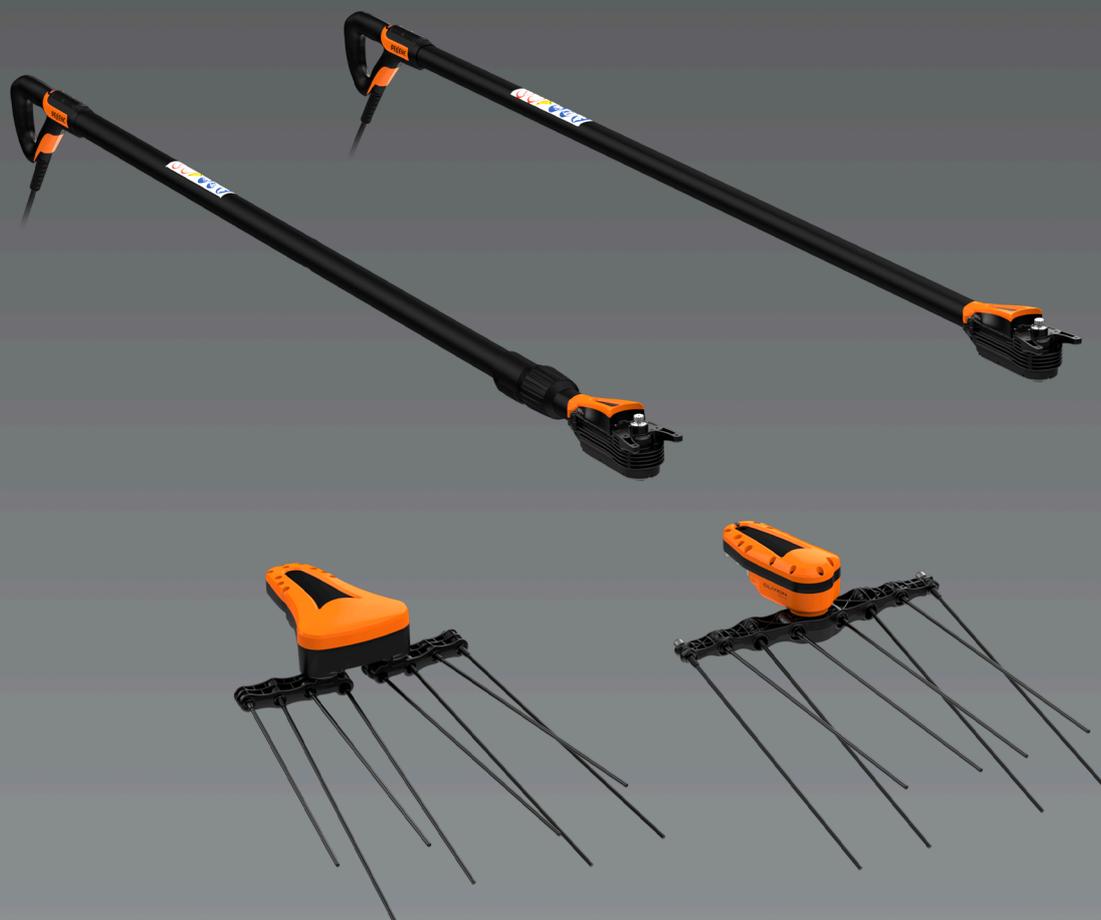


ENG

Translation of the original operating instructions manual



OLIVE HARVESTING SHAKER RAKE OLIVION POWER 48 P230 / T220-300

Operating instructions

48_151649-F
03/2022

READ THE USER GUIDE CAREFULLY BEFORE USE

TABLE OF CONTENTS

1. INTRODUCTION	5
2. SAFETY	6
2.1. INTENDED USAGE	6
2.2. GENERAL POWER TOOL SAFETY WARNINGS	6
2.2.1. <i>WORK AREA SAFETY</i>	6
2.2.2. <i>ELECTRICAL SAFETY</i>	6
2.2.3. <i>PERSONAL SAFETY</i>	7
2.2.4. <i>POWER TOOL USE AND CARE</i>	7
2.2.5. <i>BATTERY TOOL USE AND CARE</i>	7
2.2.6. <i>SERVICING</i>	8
2.2.7. <i>MANAGEMENT OF THE RECYCLING AND RECOVERY OF WASTE FROM YOUR TOOL</i>	8
2.3. SECURITY WARNING FOR THE POWER 48 OLIVE HARVESTING SHAKER RAKE	8
2.4. SAFETY MEASURES ASSOCIATED WITH CHARGERS AND BATTERY USE	8
2.5. PERSONAL PROTECTION EQUIPMENT	9
2.6. SAFETY SIGNAGE	9
3. DESCRIPTION AND TECHNICAL CHARACTERISTICS	11
3.1. DESCRIPTION OF THE TOOL	11
3.2. DESCRIPTION OF THE SOLO VIBRATING HEAD	11
3.3. DESCRIPTION OF THE DUO VIBRATING HEAD	12
3.4. DESCRIPTION ALPHA 260 & 520 BATTERY (OPTION)	12
3.5. DESCRIPTION ULIB 250 BATTERY (OPTION)	13
3.6. DESCRIPTION ULIB 750 BATTERY (OPTION)	13
3.7. DESCRIPTION BATTERY POWER PACK M, L (OPTION)	14
3.8. CONVERTER DESCRIPTION (OPTIONAL)	15
3.9. TECHNICAL FEATURES	15
3.10. BATTERY COMPATIBILITY	17
4. COMMISSIONING	18
4.1. CONTENTS OF THE KIT	18
4.2. ASSEMBLING THE TOOL	18
4.2.1. <i>MOUNTING THE SOLO OR DUO VIBRATING HEAD</i>	18
4.3. ADJUSTMENT OF THE T220-300 TELESCOPIC POLE	18
4.4. TOOL CONNECTION	19
4.4.1. <i>CONNECTION TO THE ALPHA 520 BATTERY</i>	19
4.4.2. <i>CONNECTION TO THE M, L POWER PACK</i>	20
4.4.3. <i>CONNECTING TO THE CONVERTER</i>	20
5. USING THE TOOL	21
5.1. START-UP OF THE TOOL	21
5.2. USAGE TIPS	21
5.3. DESCRIPTION OF THE OPERATING MODES	23
5.4. PRONG FOAM COVERS KIT (OPTION)	23

5.5. STOPPING THE TOOL	23
6. MAINTENANCE	24
6.1. MAINTENANCE TABLE	24
6.2. NETTOYAGE	24
6.3. REPLACING THE RAKE PRONGS ON THE SOLO VIBRATING HEAD	24
6.4. REPLACING THE RAKE PRONGS ON THE DUO VIBRATING HEAD	26
7. INCIDENTS AND TROUBLESHOOTING	29
7.1. INCIDENT AND TROUBLESHOOTING TABLE	29
8. STORAGE AND TRANSPORT	30
8.1. STORING THE TOOL	30
9. ACCESSORIES AND CONSUMABLES	30
9.1. OPTIONAL ACCESSORIES	30
10. WARRANTIES	31
10.1. GENERAL WARRANTIES	31
10.1.1. STATUTORY WARRANTY	31
10.1.2. COMMERCIAL WARRANTYPELLENC	31
10.1.3. PAID AFTER-SALES SERVICE	32
11. COMPLIANCE STATEMENTS	34
11.1. STATEMENT  OF COMPLIANCE: POWER 48 P230 / T220-300	34

1. INTRODUCTION

Dear Customer,

Thank you for purchasing your Olive harvesting shaker rake Olivion Power 48 P230 / T220-300. Properly used and maintained, this equipment will give you years of satisfaction.



Warning

Your machine contains numerous recoverable or recyclable materials. Return it to your dealer or, failing this, to an approved servicing centre to be treated.



Comply with the regulations in force in your country as concerns environmental protection associated with your activity.



Warning

It is imperative that you read through the ENTIRE user's manual guide before using or servicing the tool. Always comply with the instructions and illustrations provided in the user's manual.

Throughout the user's manual guide you will find advisory notes and information entitled: NOTE, IMPORTANT, ATTENTION and WARNING.

Points marked "NOTE" indicate additional information.

Points marked "IMPORTANT" warn the user of a potential risk for the equipment.

Points marked "ATTENTION" warn the user of a potentially hazardous situations which if not avoided may result in minor injuries.

Points marked "WARNING" warn the user of a potentially hazardous situation which if not avoided may result in serious injury or death.

The warning  indicates that damage resulting from failure to comply with the procedures and instructions is not covered by the warranty and the owner will be liable for any repair costs.

Safety indications are also given on the tool; they remind you of the safety precautions to be taken. Identify and read these indications before using the tool. Immediately replace any indications that may become partially illegible or deteriorated.

Refer to Section 2.6, "Safety signage" for the location diagram of the safety stickers affixed to the tool.

No part of this manual may be reproduced without the written permission of the company PELLENC. The illustrations provided in this manual are for information purposes only and are in no way contractual. The PELLENC company reserves the right to make any modification or improvement to its products as deemed necessary without informing customers already in possession of a similar model. This manual forms an integral part of the tool and must accompany the tool if it changes hands.

2. SAFETY

2.1. INTENDED USAGE

- The Olive harvesting shaker rake Olivion Power 48 P230 / T220-300 is a professional tool whose use is reserved exclusively for harvesting olives.
- Any other use of this tool is not intended.
- The PELLENC company accepts no responsibility for any damage caused by improper or unspecified use different from its original intention.
- The user is responsible for any accident resulting from improper use or unauthorized modification of this tool.
- The PELLENC company accepts no responsibility for any damage caused by the use of non-original parts or accessories.

2.2. GENERAL POWER TOOL SAFETY WARNINGS



Warning

Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Note

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

2.2.1. WORK AREA SAFETY

1. **Keep the work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks, which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control of the tool.

2.2.2. ELECTRICAL SAFETY

1. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
2. **Avoid body contact with earthed surfaces or grounded surfaces such as pipes, radiators, ranges, and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
5. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

2.2.3. PERSONAL SAFETY

1. **Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
2. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or plugging in power tools with the switch in the on position can cause accidents.
4. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
7. **If devices are provided for connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
8. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

2.2.4. POWER TOOL USE AND CARE

1. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
2. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. **Disconnect the plug from the power source and/or remove the battery pack, if detachable, if from the power tool before making any adjustment, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
5. **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
8. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

2.2.5. BATTERY TOOL USE AND CARE

1. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
2. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
3. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
4. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

5. **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
6. **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C (or 265°F) may cause explosion.
7. **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

2.2.6. SERVICING

1. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
2. **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

2.2.7. MANAGEMENT OF THE RECYCLING AND RECOVERY OF WASTE FROM YOUR TOOL

1. **When the tool reaches the end of its life, PELLENC keeps the end of life sheet of the equipment at disposal.** The end of life sheet provides instructions for safely removing components.

2.3. SECURITY WARNING FOR THE POWER 48 OLIVE HARVESTING SHAKER RAKE

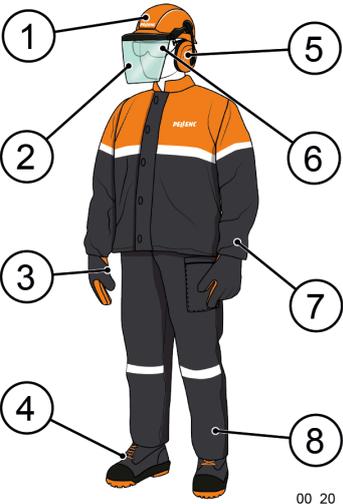
1. Never modify the connector in any way whatsoever.
2. Do not expose tools to the rain or damp conditions.
3. As the material of the pole conducts electricity, always keep the tool well away from power and telephone lines, and any other sources of electric power
4. THIS TOOL MAY CAUSE INJURIES. Read the instructions carefully about the proper handling, operation, maintenance, start-up and stopping of the tool. Become familiar with its correct use.
5. No one other than the user(s) should stand within 5 metres of the tool in operation (danger of flying fragments).
6. Flying olives can cause injury. Wear protective clothing such as goggles, helmet, and gloves when using the tool.
7. Never use the tool if it is damaged, incorrectly adjusted, or incompletely assembled.
8. When the machine is not in use, always put the battery in the "0" off position.
9. Remove any adjusting wrenches before switching the tool on.
10. Always use an appropriate lifting tool that complies with the applicable labour regulations for working at heights.
11. When in use, the electric motor of the tool may heat up (risk of burns). Avoid contact with skin, clothing, or any flammable products (risk of explosion) during and after use.

2.4. SAFETY MEASURES ASSOCIATED WITH CHARGERS AND BATTERY USE

Note

Refer to the instruction manual supplied with your battery.

2.5. PERSONAL PROTECTION EQUIPMENT

	Equipment	Wearing of	
	1	Safety helmet	Recommended
	2	Protective visor	--
	3	Resistant work gloves	Mandatory
	4	Safety footwear	Recommended
	5	Ear protection	Recommended
	6	Safety goggles	Mandatory
	7	Jacket or over-sleeves	--
	8	Work trousers	--

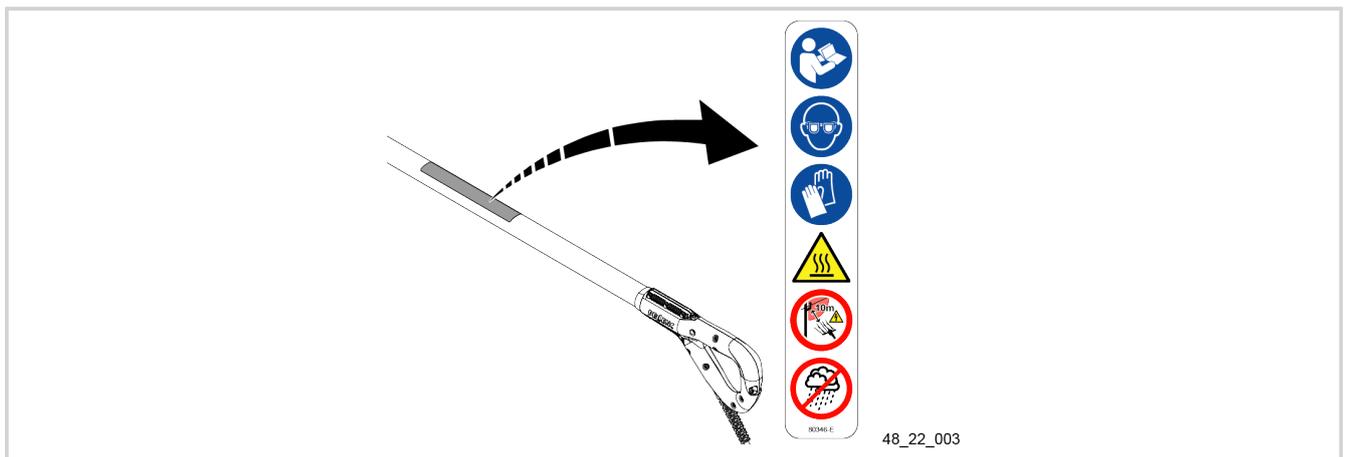
2.6. SAFETY SIGNAGE

California State Proposition 65:



Caution

This product contains or emits a chemical recognized by the State of California to cause cancer, birth defects or other reproductive harm.



Please read the operating instructions.



Do not expose to any source of water (rain, flooded fields, water jet, etc.)



Always wear goggles.



Tool compliant with EC standards.



Wearing of gloves is mandatory.



00_21_PICTO_081

Risk of burns



Electricity conducting materials.
Keep away from any power source.



Tool compliant with Moroccan standards.



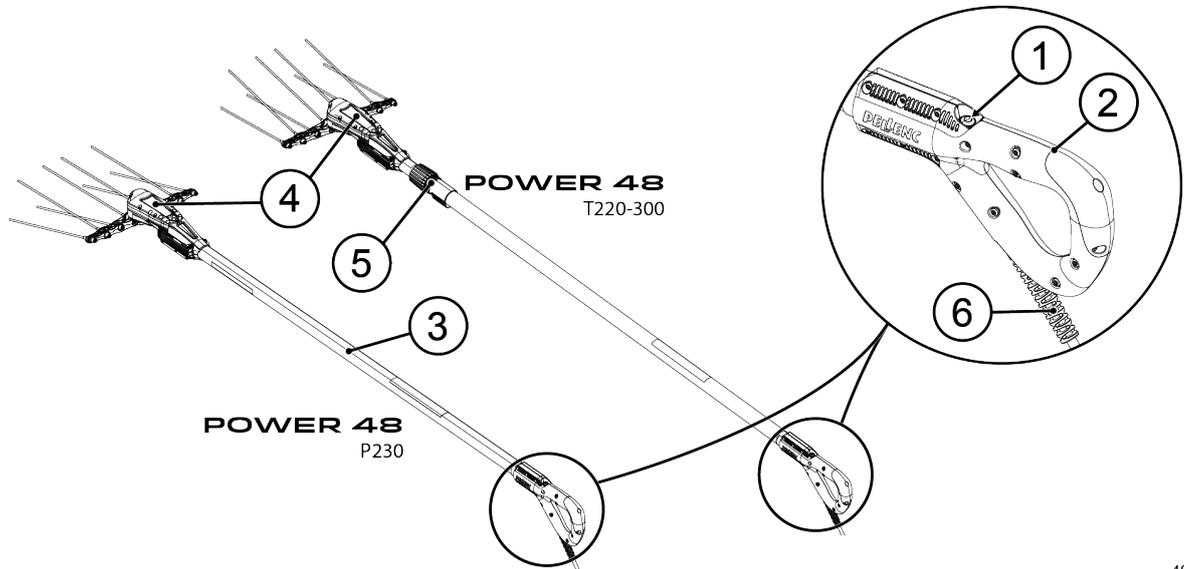
00_21_PICTO_095

Regulatory Compliance Mark (RCM).

The product complies with the legal requirements for electrical safety and/or electromagnetic compatibility (EMC).

3. DESCRIPTION AND TECHNICAL CHARACTERISTICS

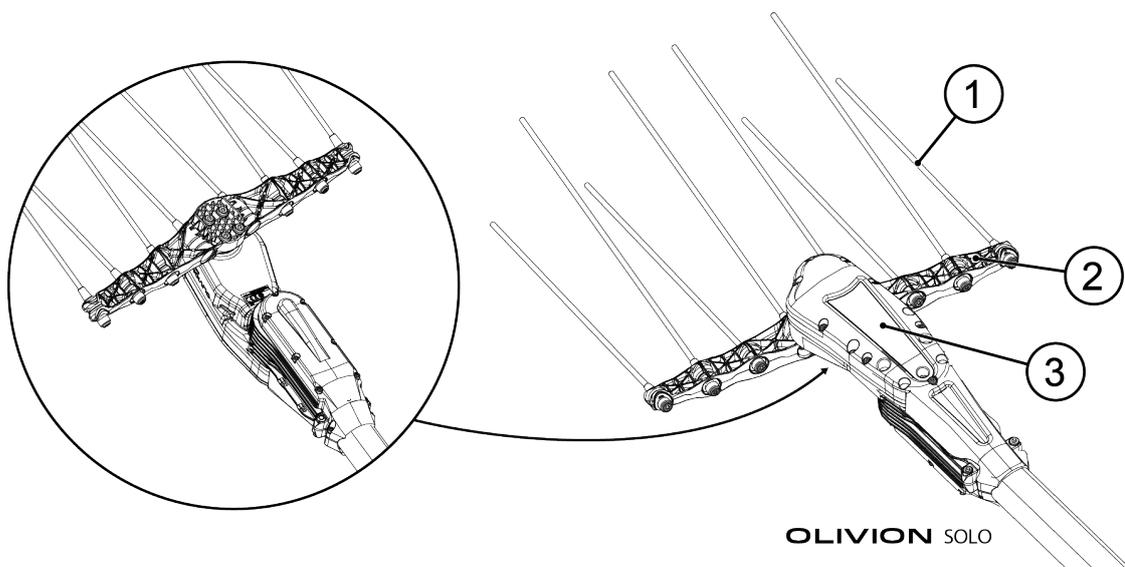
3.1. DESCRIPTION OF THE TOOL



48_22_001

- | | |
|------------------|--|
| 1. ON/OFF button | 4. Vibrating head (delivered separately) |
| 2. Handle | 5. Pole tightening knob |
| 3. Pole tube | 6. Tool power cord |

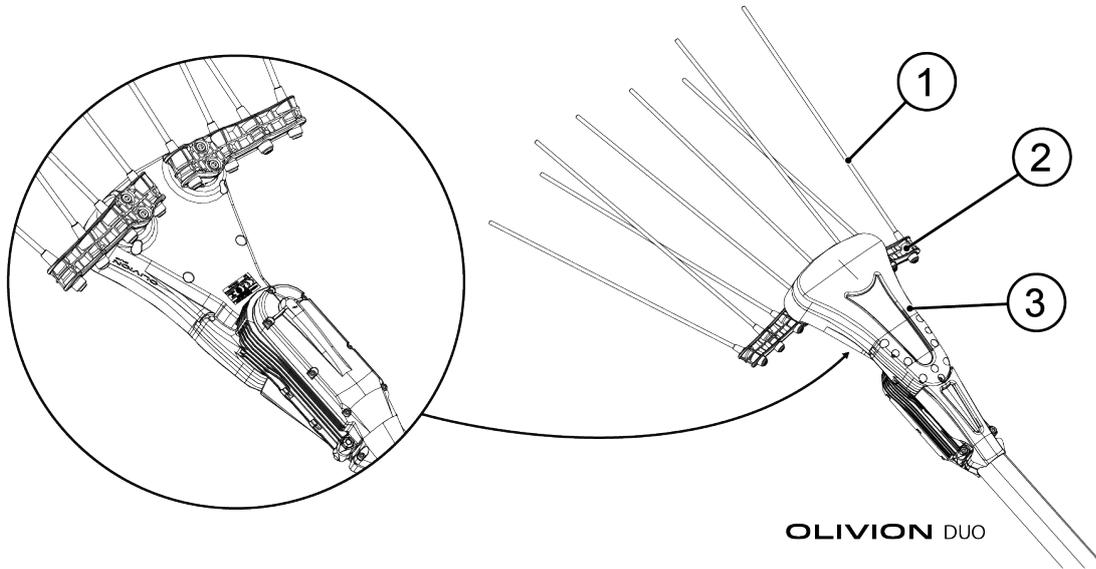
3.2. DESCRIPTION OF THE SOLO VIBRATING HEAD



48_22_005

- | | |
|-----------------|-------------------|
| 1. Rake prong | 3. Vibrating head |
| 2. Rake support | |

3.3. DESCRIPTION OF THE DUO VIBRATING HEAD



OLIVION DUO

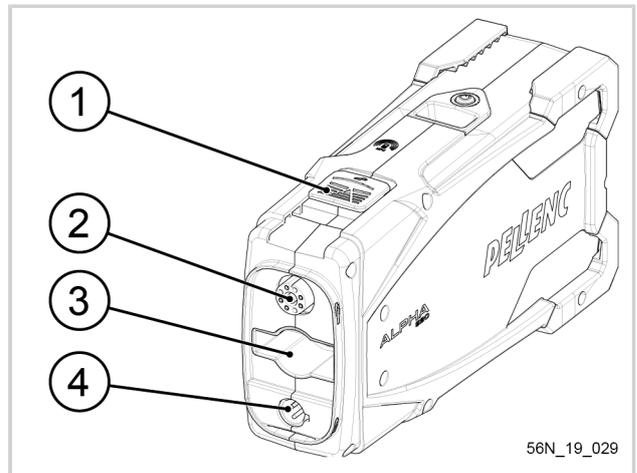
48_22_002

- 1. Rake prong
- 2. Rake support
- 3. Vibrating head

3.4. DESCRIPTION ALPHA 260 & 520 BATTERY (OPTION)

Battery

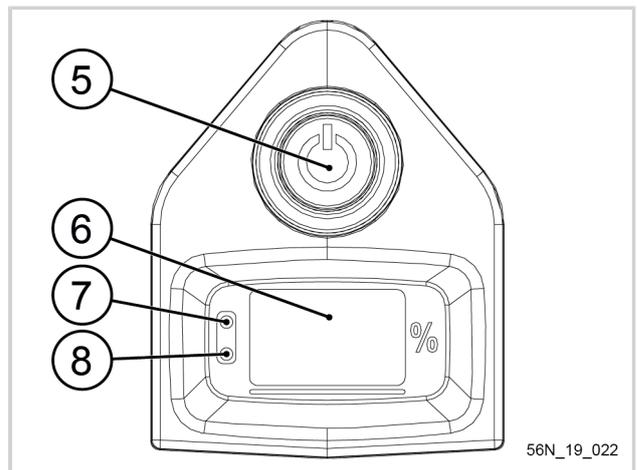
- 1. Safety lock
- 2. Picker power connector
- 3. Tool interface
- 4. Charging connector



56N_19_029

Battery display

- 5. On/Off button
- 6. Display
- 7. Battery power indicator light
- 8. Battery charging indicator light



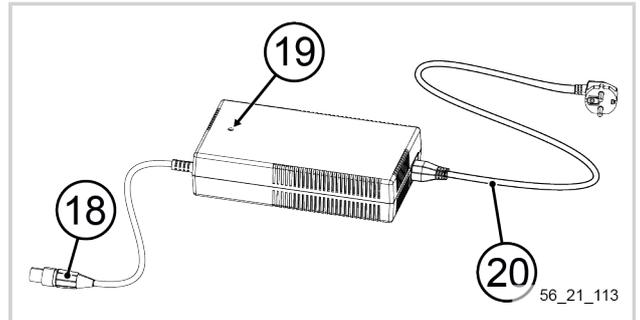
56N_19_022

Note

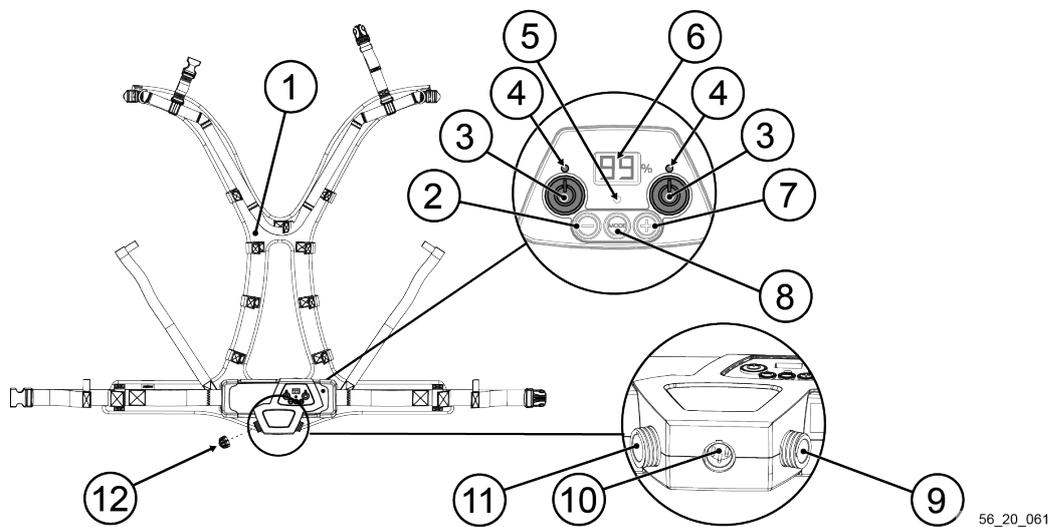
See details of the battery display in Section 4, "Commissioning" of the operating instructions supplied with the battery.

Charger (not supplied with the tool)

- 9. Charging connector
- 10. Indicator light
- 11. Power cord



3.5. DESCRIPTION ULIB 250 BATTERY (OPTION)

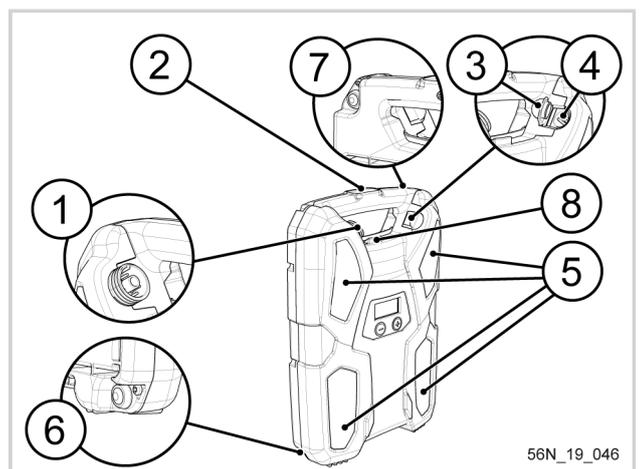


- 1. Adjustable harness
- 2. Decrease button
- 3. Right and left on/off buttons
- 4. Right and left power LEDs
- 5. Recharging indicator light
- 6. HMI display screen
- 7. Increase button
- 8. Mode switch button
- 9. Right connector: reserved for pruning shears
- 10. Charging connector
- 11. Left connector: for 1.2 kW tools only
- 12. Protective cap for the left connector

3.6. DESCRIPTION ULIB 750 BATTERY (OPTION)

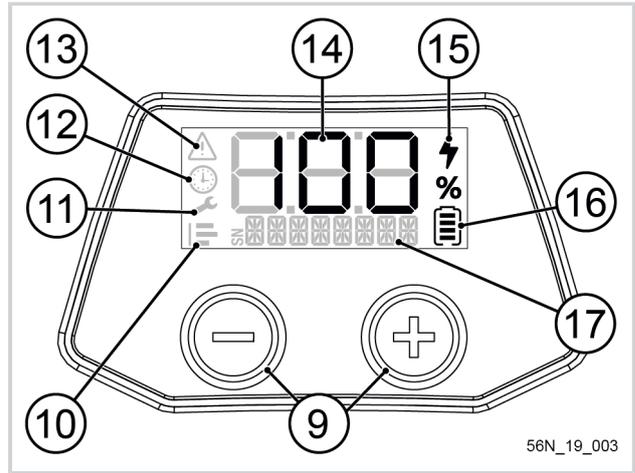
Battery

- 1. Picker power connector
- 2. Button for locking/unlocking the battery on its support
- 3. Charge connector cap
- 4. Charging connector
- 5. Reflective surfaces
- 6. Push button ON/OFF down
- 7. Push button ON/OFF up
- 8. Safety stop for light harnesses



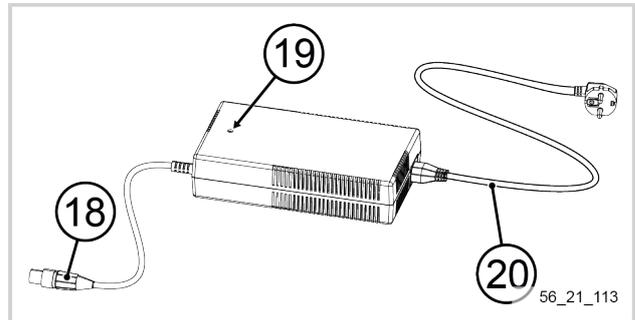
HMI (Human-Machine Interface)

- 9. HMI navigation buttons
- 10. Consumption statistics menu
- 11. Maintenance menu
- 12. Usage time menu
- 13. Fault indicator
- 14. 3-character display
- 15. Power indicator light
- 16. Charging level
- 17. 8-Character display



Charger

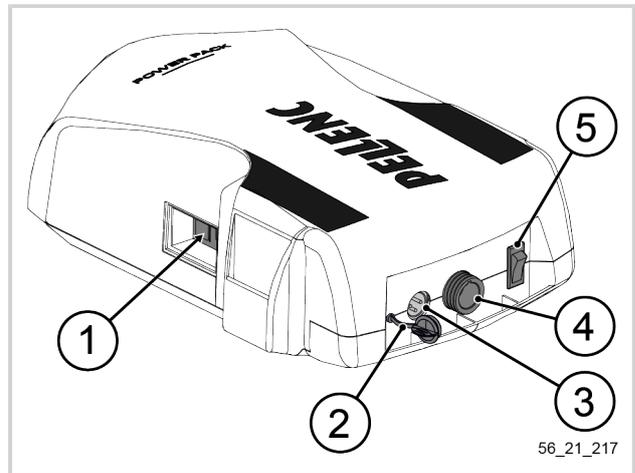
- 18. Charging connector
- 19. Indicator light
- 20. Power cord



3.7. DESCRIPTION BATTERY POWER PACK M, L (OPTION)

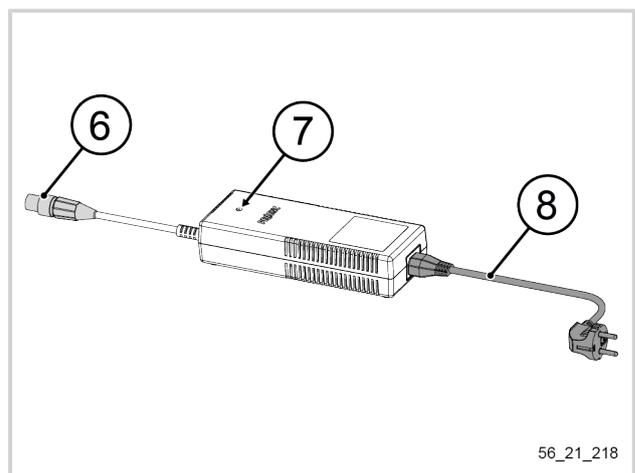
Battery

- 1. Gauge display
- 2. Charge connector cap
- 3. Charging connector
- 4. Tool power supply connector
- 5. On/Off button



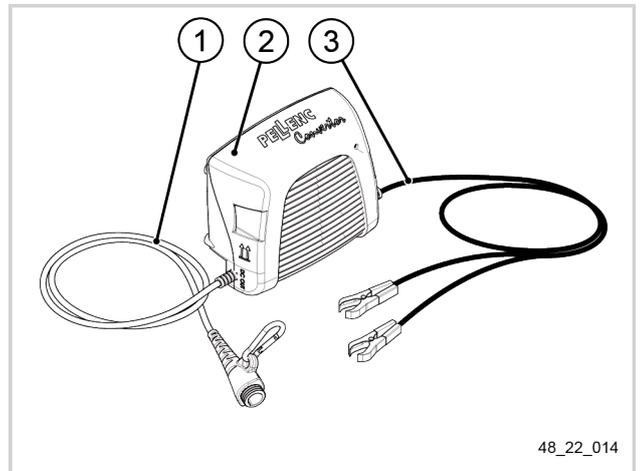
Charger

- 6. Charging connector
- 7. Indicator light
- 8. Power cord



3.8. CONVERTER DESCRIPTION (OPTIONAL)

- 1. Tool connector
- 2. Converter
- 3. Battery lead connectors



48_22_014

3.9. TECHNICAL FEATURES

General features of the Power 48 and the P230 pole

	Power 48 P230 + SOLO Olivion head	Power 48 P230 + DUO Olivion head
Weight	2.6 kg	2.75 kg
Power	300 W	
Voltage	43.2 V	
Rake width	374 mm	
Fixed	Pole	
Length	2.18 m	2.22 m
“Economy” mode	Yes	
“Continuous” mode	Yes	
Size	2180 x 374 x 220 mm	2220 x 374 x 220 mm
Rate	800 cycles/min	900 cycles/min
Battery compatibility	See the chart Section 3.10, “Battery compatibility”	
Options	See the chart Section 9.1, “Optional accessories”	

General characteristics of the Power 48 and the T220-300 telescopic pole

	Power 48 T220-300 + SOLO Olivion head	Power 48 T220-300 + DUO Olivion head
Weight	3.1 kg	3.25 kg
Power	300 W	
Voltage	43.2 V	
Rake width	374 mm	
Fixed	Pole	
Length	2,3 m to 3,1 m	2,34 m to 3,14 m
“Economy” mode	Yes	
“Continuous” mode	Yes	
Rake setting	No	Yes
Size	2,300 x 374 x 220 mm	2,340 x 374 x 220 mm
Rate	800 cycles/min	900 cycles/min
Battery compatibility	See the chart Section 3.10, “Battery compatibility”	
Options	See the chart Section 9.1, “Optional accessories”	

Vibration emission values

Vibration emission values (empty)	Power 48 P230		Power 48 T220-300			
	SOLO head	DUO head	Pole retracted		Pole extended	
			SOLO head	DUO head	SOLO head	DUO head
Front hand (m/s ²)	15.5	5.4	15.5	5	14.5	3.2
Rear hand (m/s ²)	7.5	3.1	7.5	2.8	8.5	2.6
Measurement uncertainty, K (m/s ²)	3.0	3.0	3.0	3.0	3.0	3.0

Pressure and sound power level

Power 48 P230		Power 48 T220-300			
SOLO Oliv-ion head	DUO Oliv-ion head	Pole retracted		Pole extended	
		SOLO Oliv-ion head	DUO Oliv-ion head	SOLO Oliv-ion head	DUO Oliv-ion head
A-weighted emission sound pressure level at the user’s position:					
L _{pa} (in dB(A)) = 74.5	L _{pa} (in dB(A)) = 74.5	L _{pa} (in dB(A)) = 74.5	L _{pa} (in dB(A)) = 74.5	L _{pa} (in dB(A)) = 74.5	L _{pa} (in dB(A)) = 74.5
A-weighted sound power level:					
L _{wa} (in dB(A)) = 79.8	L _{wa} (in dB(A)) = 78	L _{wa} (in dB(A)) = 80	L _{wa} (in dB(A)) = 77.6	L _{wa} (in dB(A)) = 80.2	L _{wa} (in dB(A)) = 78.6

Measurement uncertainty: KpA: 2.5 dB(A) and KwA: 2.5 dB(A)

Vibration emission values and acoustic pressure levels determined using the EN 62841-1 Standard.

3.10. BATTERY COMPATIBILITY

Battery	Charger	Remarks
ALPHA 260 & 520	CB5022HV	
ULIB 250	CB5010HV	
ULIB 750	CB5022HV	
Power Pack M	CB5022HV	
Power Pack L	CB5022HV	
Converter + battery 12 V 90 A		

4. COMMISSIONING

4.1. CONTENTS OF THE KIT

Make sure the kit contains:

- One Power 48 olive harvester delivered with:
 - 1 tool cord clip,
 - 1 operating instructions manual,
 - 1 warranty card.

4.2. ASSEMBLING THE TOOL

4.2.1. MOUNTING THE SOLO OR DUO VIBRATING HEAD

To assemble the vibrating head of the Olivion Power 48 P230 / T220-300 with the pole of your choice, refer to the mounting/assembly instructions delivered with your tool.

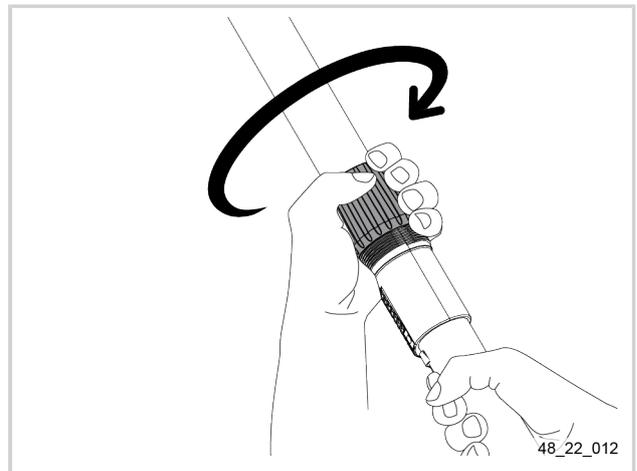
4.3. ADJUSTMENT OF THE T220-300 TELESCOPIC POLE



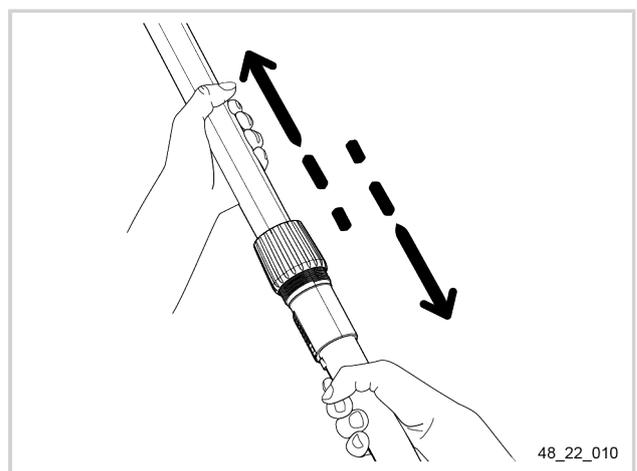
Caution

Always adjust the pole with the tool turned off.

1. Unlock the tightening thumbwheel by turning it clockwise.



2. Adjust the length of the telescopic pole according to the working height.



3. Lock the tightening thumbwheel by turning it anti-clockwise.



48_22_011

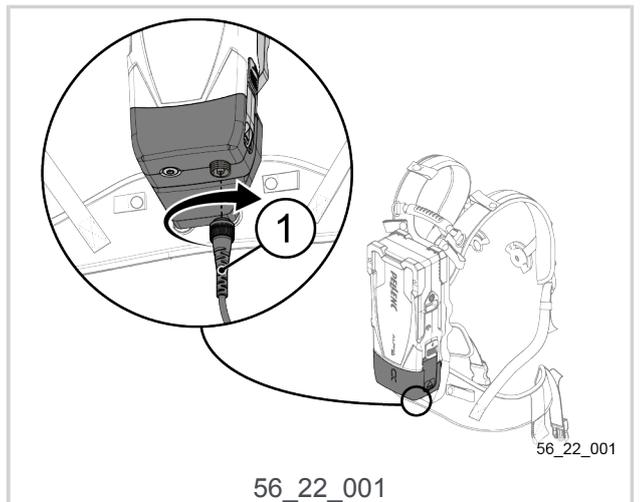
4.4. TOOL CONNECTION

4.4.1. CONNECTION TO THE ALPHA 520 BATTERY

1. Ensure that the battery is securely attached and locked to the harness.
2. Ensure that the quick connector (1) is properly connected to the harness.

Note

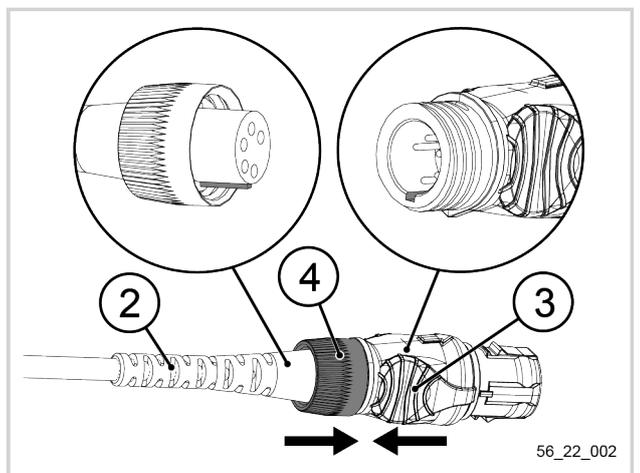
To install the battery on your harness, please refer to the assembly instructions, reference 145444, supplied with your harness.



56_22_001

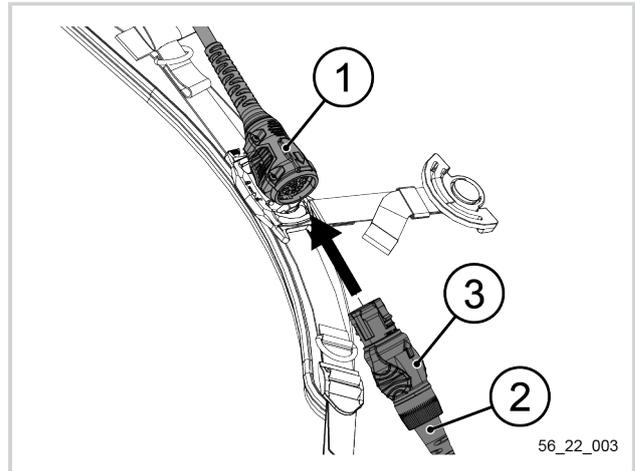
56_22_001

3. Align the alignment marker on the tool's power cord (2) with the notch on the quick connect adapter (3) (part number 57262).
4. Connect the tool's power cord (2) to the red connector on the quick connect adapter.
5. Tighten the tightening ring (4) of the tool's power cord (2).



56_22_002

6. Align the arrows on the quick connector adapter (3) and the quick connector (1).
7. Connect the quick connector adapter (3) to the quick connector (1).
8. Ensure that the quick connector (1), quick connector adapter (3) and tool power cord (2) are properly connected.



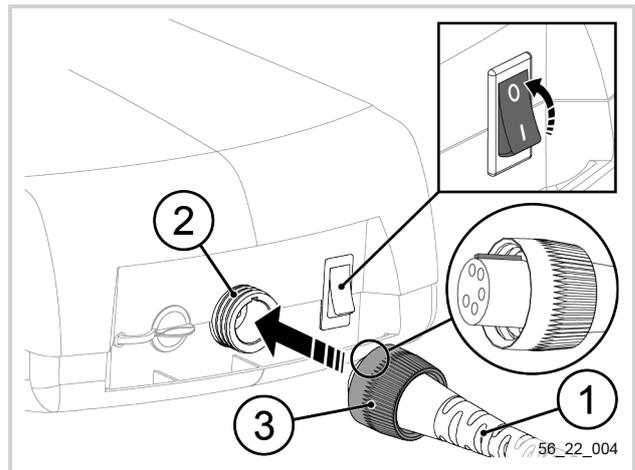
4.4.2. CONNECTION TO THE M, L POWER PACK



Warning

Never disconnect the tool power cord without first checking that the ON/OFF switch has been set to "0" (off).

1. Make sure that the battery ON/OFF switch is set to "0".
2. Align the alignment marker on the tool's power cord (1) with the notch in the battery connector (2).
3. Connect the tool's power cord (1) to the battery connector (2).
4. Tighten the tightening ring (3) of the power cord of the tool.



4.4.3. CONNECTING TO THE CONVERTER

- Refer to the operating instructions supplied with the converter.

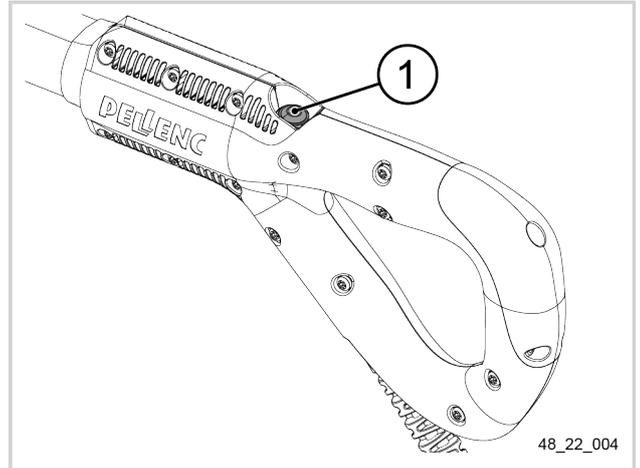
5. USING THE TOOL

5.1. START-UP OF THE TOOL

1. Press the switch (1) on the handle of the tool.

Note

The tool starts in the previously-selected mode, see Section 5.3, "Description of the operating modes".



5.2. USAGE TIPS



Warning

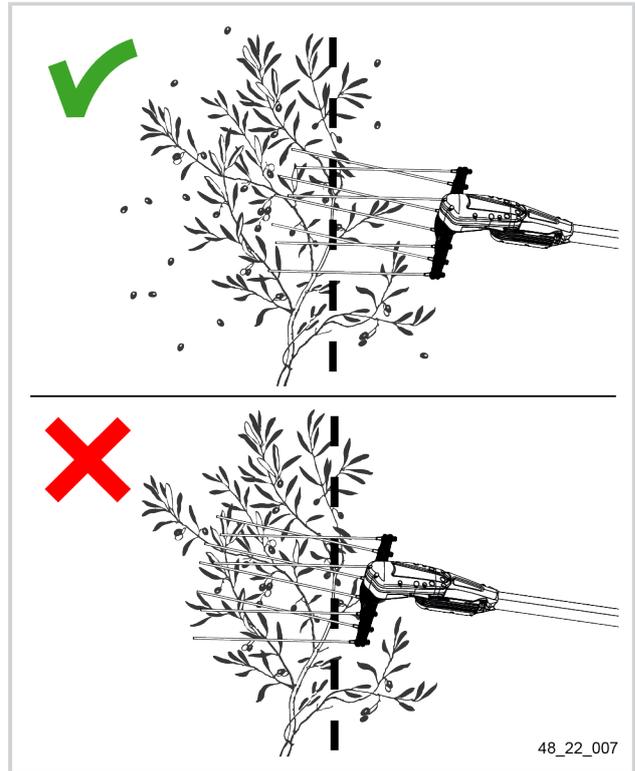
- Never start the tool with the vibration rake already in the foliage.
- Do not leave the battery lying out in the sun.

- Becoming familiar with the Olivion Power 48 P230 / T220-300 tool entails several hours of practice and adaptation of the harvesting system (wide nets).
- It is advisable to start from the root of branch and work outwards to avoid stepping on fallen olives.
- Start harvesting at the root of the branch and work towards its tip (in the direction of the foliage) to optimize the drop pattern of the olives.
- In order to minimize the vibrations transmitted to the upper arms and lessen the working fatigue, do not grip the tool too tightly.
- If the tool jolts suddenly in the plant growth, it may switch to safe mode and stop.
- To restart it, press the start/stop push button on the tool.

1. Hold the tool by gripping the handle with one hand and the pole with the other.



2. Orient the rake correctly in the plant growth.
3. Stop the vibration once the olives are on the ground.

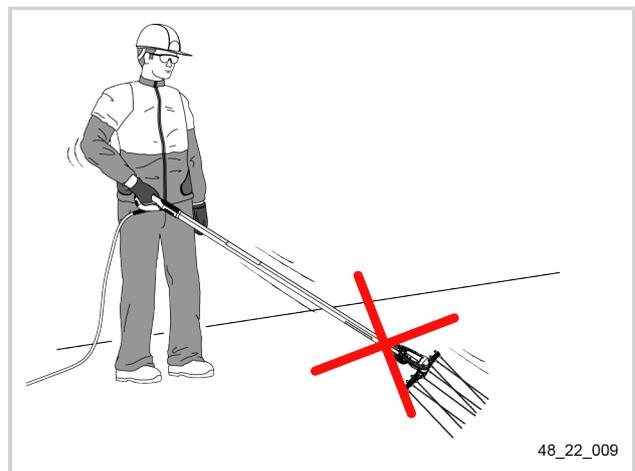


Important

Avoid introducing the rake's prongs more than half way into the plant growth so as not to damage the branch and fruit, and to ensure the best yield results.

Important

Never operate the tool when the rake is resting on the ground.



Important

In the case of overheating or overcurrent, the tool safety mechanism stops the tool.

Wait for the tool to cool down before turning it on again.

5.3. DESCRIPTION OF THE OPERATING MODES

For better user comfort and to reduce battery consumption, the tool has the economy mode activated by default. This mode starts at an extremely slow speed. Then, on contact with plant growth, the speed changes to standard speed.

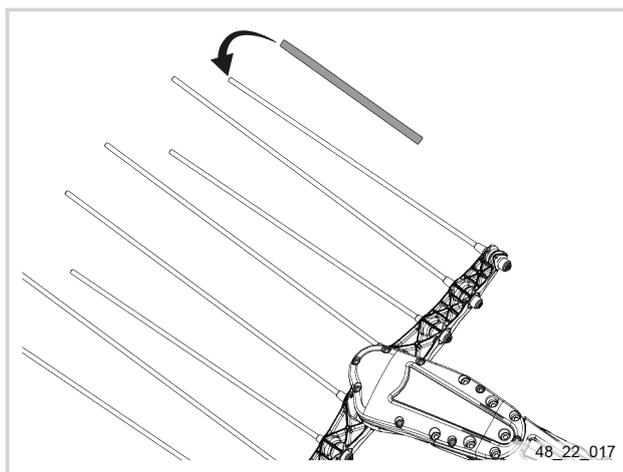
Mode change and/or speed change, see table below:

Required action	State	How?	Result
Speed change	The tool is running.	Hold the button down continuously for 6 seconds.	<ul style="list-style-type: none"> • If the tool was in standard speed mode, it switches to slow speed mode. • If the tool was slow speed mode, it switches to standard speed mode.
Deactivate economy mode	The battery is powered on. The tool is stopped.	Hold the button down continuously for 3 seconds.	<ul style="list-style-type: none"> • If the tool was in economy mode, that mode is deactivated. • If the tool was not in economy mode, that mode is activated.

5.4. PRONG FOAM COVERS KIT (OPTION)

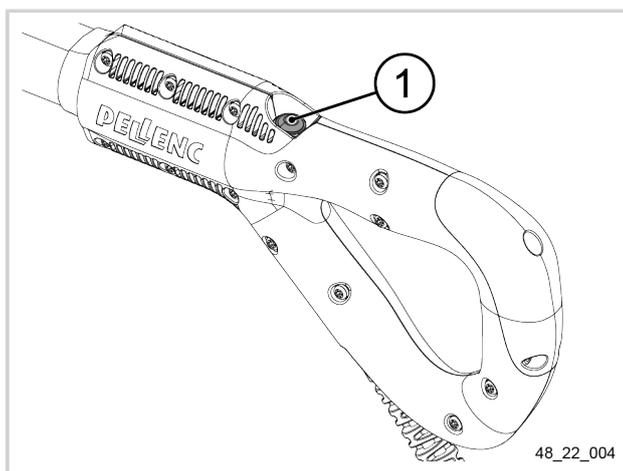
In the case of a harvest for table consumption and in order to preserve the appearance of your fruit, foam prong covers are available that thread onto the rake prongs of your Olivion Power 48 P230 / T220-300 (ref. 50538).

To fit the prong foam covers, refer to the mounting/assembly instructions delivered with the kit.



5.5. STOPPING THE TOOL

1. Press the switch (1) on the handle of the tool
2. Disconnect the tool, refer to the manual supplied with the battery or converter.



6. MAINTENANCE

6.1. MAINTENANCE TABLE

	At each start-up	After use	Every year or after 200 hours of use
Cleaning the machine		X	
Visual inspection of the tool	X	X	
Checking the prongs of the rake		X	
Checking the tightening of the rake		X	
Checking the tightening of the prongs		X	
Checking the battery charge level	X		
Have the tool inspected by an authorised distributor			X

Important

Ⓒ Your Olive harvesting shaker rake Olivion Power 48 P230 / T220-300 should have a maintenance servicing at least every 200 hours or once a year.

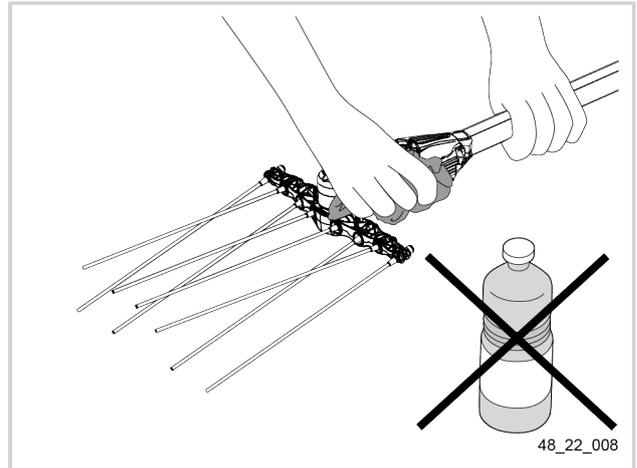
6.2. NETTOYAGE

1. Clean your tool using compressed air and a damp cloth, focusing on the parts that come into contact with the plant growth.

Important

Never point the air jet directly at the tool, maintain a safe distance.

Ⓒ Never use solvents (trichloroethylene, white spirit, petrol, etc.) to clean the tool.



6.3. REPLACING THE RAKE PRONGS ON THE SOLO VIBRATING HEAD

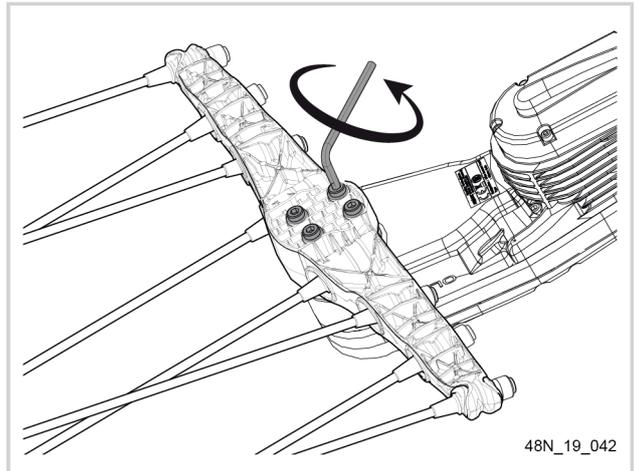


Caution

Ⓒ Before making any adjustments to the tool, make sure it is turned off and disconnect the power cord connected to the battery.

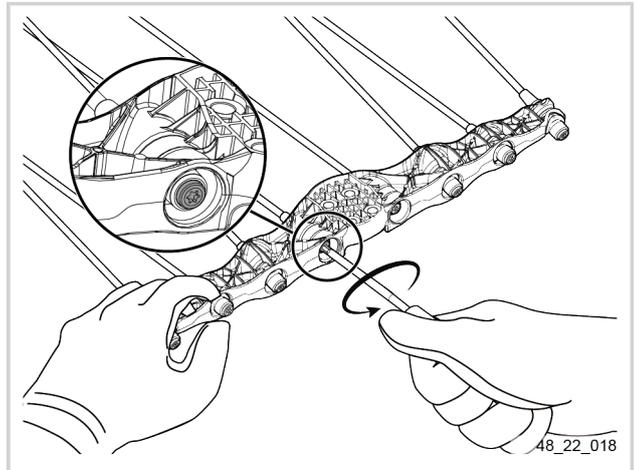
Removal

1. Using a 4mm Allen key, remove the screws under the rake support.
2. Remove the rake support.



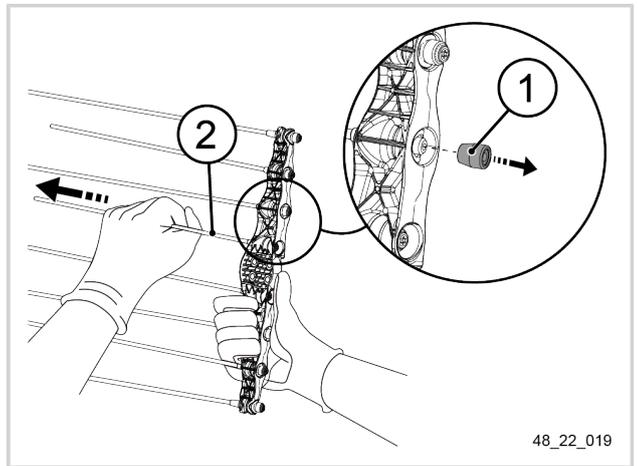
48N_19_042

2. Using a TORX 20 screwdriver, remove the prong attachment screw.



48_22_018

3. Remove the prong support washer (1) by raising it with a screwdriver.
4. Remove the rake prong (2).
5. Do this for all the prongs and dispose of them responsibly.

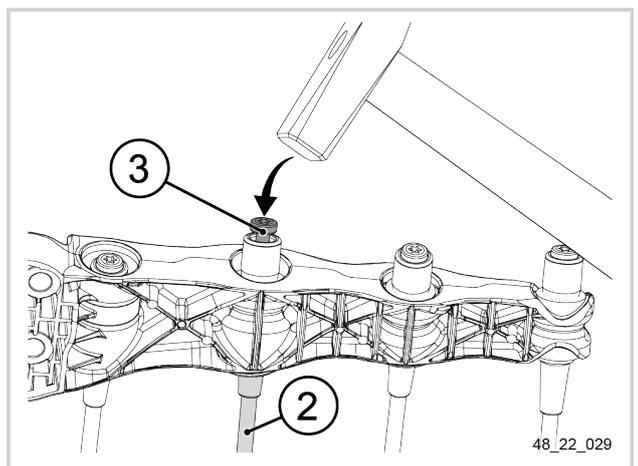


48_22_019

Tip

If the rake prong (2) is difficult to remove, a second technique is possible:

1. Unscrew the screw (3) only partially.
2. Tap the head of the screw (3) with a hammer. This will make it easier to dislodge the rake prong (2).



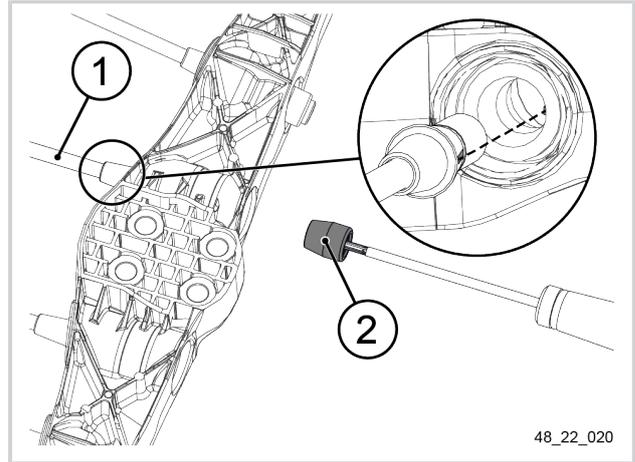
48_22_029

Fitting

1. Insert the new prong (1) into its slot.

Align the prong groove with the notch on the inside of the rake support so that the prong is locked in position and no longer rotates.

2. Using a screwdriver, insert the new washer (2).

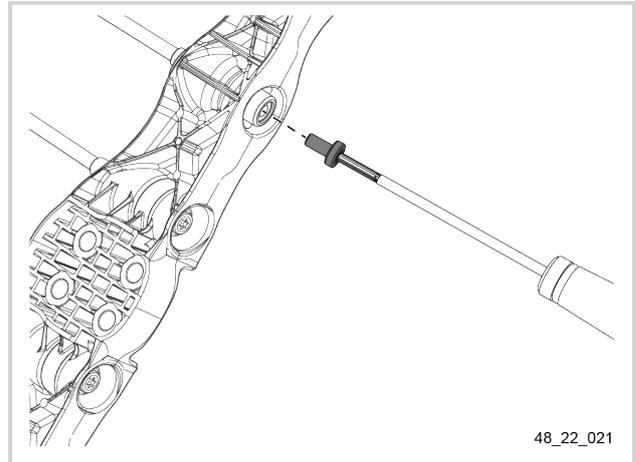


48_22_020

3. Using a torque screwdriver and a TORX 20 bit, tighten the new prong fastening screw.

Important
Tightening torque: 1 N.m

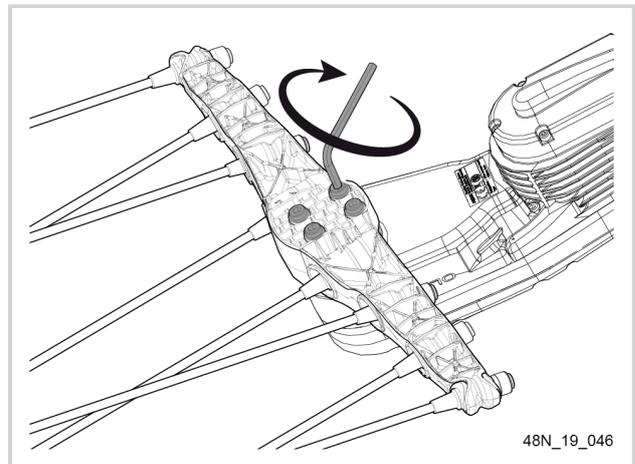
4. Proceed in the same manner for each rake prong.



48_22_021

5. Fit the rake support on the vibrating head.
6. Using a 4mm Allen key, fit the screws under the rake support.
7. Tighten the screws.

Important
Tightening torque: 5 N.m



48N_19_046

6.4. REPLACING THE RAKE PRONGS ON THE DUO VIBRATING HEAD

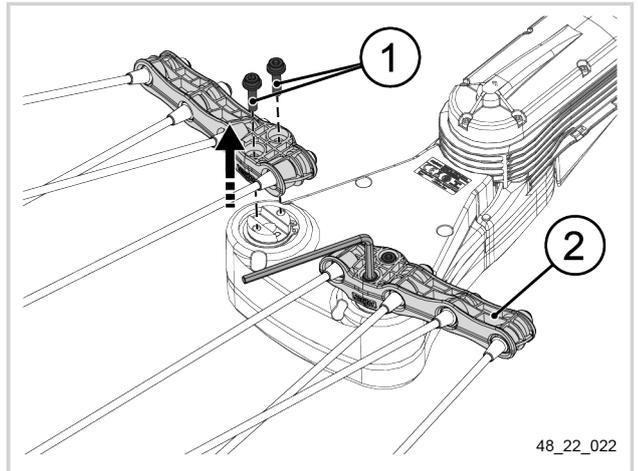


Caution

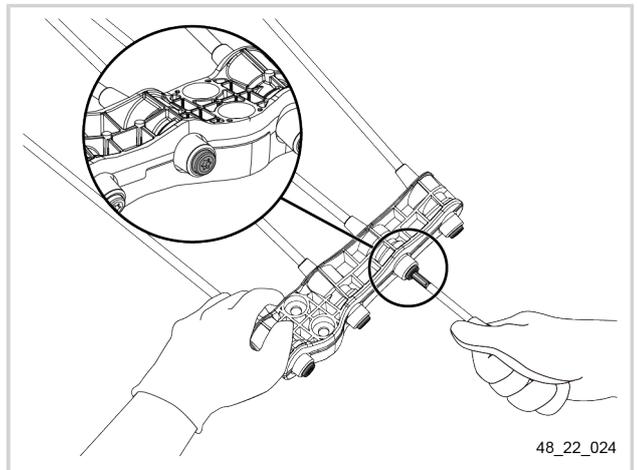
Ⓢ Before making any adjustments to the tool, make sure it is turned off and disconnect the power cord connected to the battery.

Removal

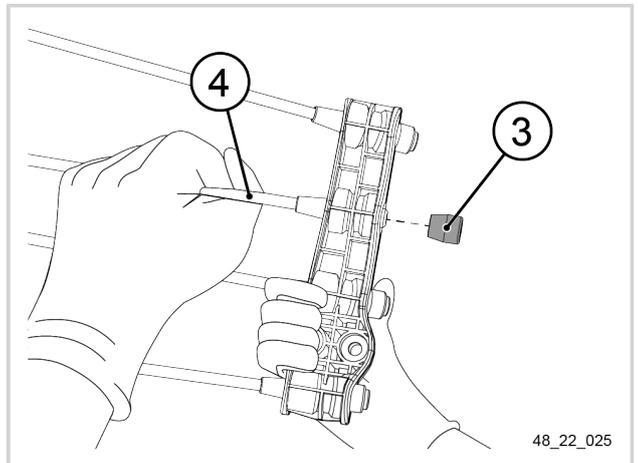
1. Loosen the collar screws (1) of each rake support with a 4 mm Allen key.
2. Remove the 4 collar screws (1).
3. Remove the rake supports (2).



4. Using a TORX 20 screwdriver, remove the prong attachment screw.



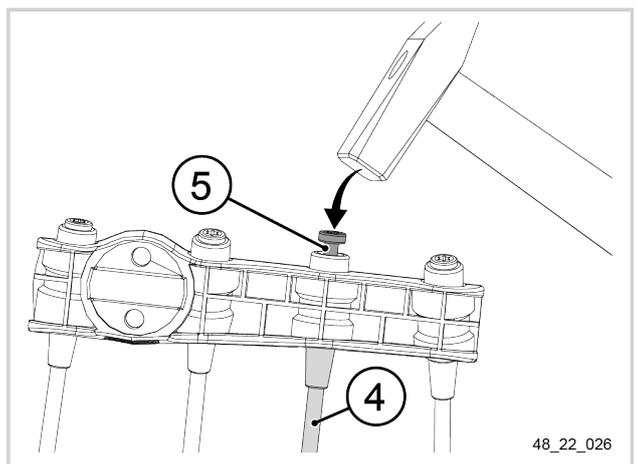
5. Using a screwdriver, remove the washer (3).
6. Remove the rake prong (4) from its slot.
7. Do this for all the prongs and dispose of them responsibly.



Tip

If the rake prong (4) is difficult to remove, a second technique is possible:

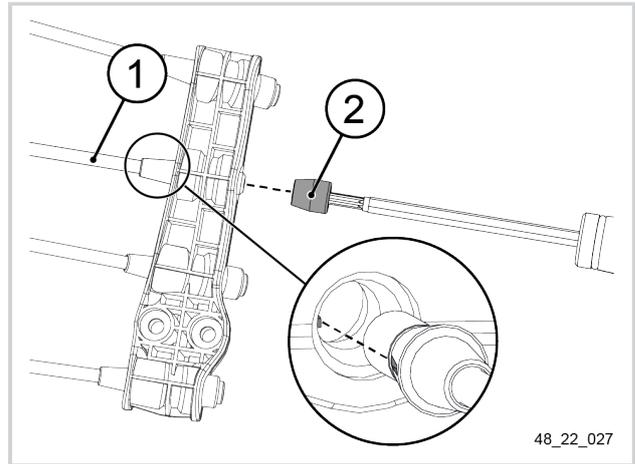
1. Unscrew the screw (5) only partially.
2. Tap the head of screw (5) with a hammer. This will make it easier to dislodge the rake prong (4).



Fitting

1. Insert the new prong (1) into its slot.
Align the prong groove with the notch on the inside of the rake support so that the prong is locked in position and no longer rotates.

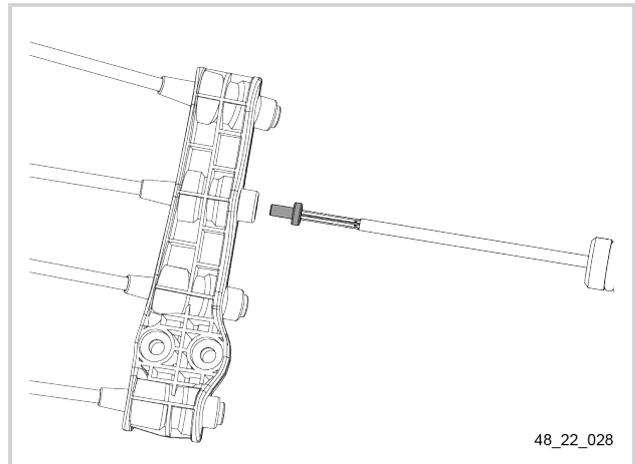
2. Using a screwdriver, insert the new washer (2).



3. Using a torque screwdriver and a TORX 20 bit, tighten the new prong fastening screw.

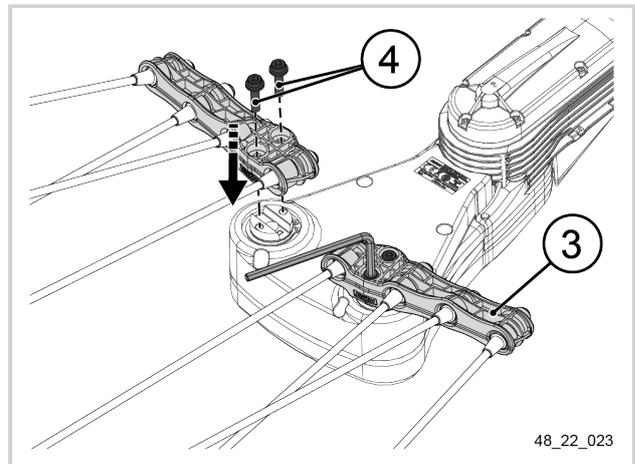
Important
Tightening torque: 1 N.m

4. Proceed in the same manner for each rake prong.



5. Fit the rake supports in position (3) on the vibrating head.
6. Screw in the four screws (4).
7. Torque tighten the screws (4).

Important
Tightening torque: 5 N.m



7. INCIDENTS AND TROUBLESHOOTING

7.1. INCIDENT AND TROUBLESHOOTING TABLE

Symptoms	State of the on/off switch of the battery	Probable cause	Check	Solutions	Repairer
The tool does not start	0	Battery is off	Battery switch	Flip the battery switch	User
		12V battery	Check the condition of the battery	Replace the battery	User
	The power cord is severed or faulty	Check the condition of the cord	Change the cord	Authorised PELLENCE distributor	
The tool emits the 3 power-on beeps and then 3 different beeps	1	Battery	Check that the battery is not completely discharged	Recharge the battery	User
		Electronic circuit board	At an authorised PELLENCE distributor	Change the circuit board	Authorised PELLENCE distributor
	Motor sensor disconnected or faulty	At an authorised PELLENCE distributor	Connect the sensor cable to the electronic circuit board	Authorised PELLENCE distributor	
The tool makes an unusual noise	1	Some looseness between the rake and the rake axis	Check the tightening on the rake axis	Tighten the 4 rake attachment screws to 5 N.m	User
		Presence of play between one or more prongs and the rake	Check the tightening of each prong on the rake	Tighten the rake prongs to 1 N.m	User
	Internal breakage	Authorised PELLENCE distributor	PELLENCE authorised distributor	Authorised PELLENCE distributor	
The tool stops during use	1	The machine has reached its temperature limit	The safety casing around the motor is abnormally hot	Check that the tool is being used in the recommended conditions, refer to Section 2, "Safety".	User
		Internal breakage	Authorised PELLENCE distributor	Clean the tool, refer to Section 6.2, "Nettoyage".	User
	Stop and restart the battery. If the tool still does not start, refer to the passage dealing with the symptom "The machine does not start"	Authorised PELLENCE distributor	PELLENCE authorised distributor	Authorised PELLENCE distributor	

8. STORAGE AND TRANSPORT

8.1. STORING THE TOOL

- Stop the tool and disconnect it from the battery. Refer to the procedure for Section 5.5, "Stopping the tool".
- To make it easier to store your tool, separate the one or two connectors that link your cables. Coil your cables separately.
- Store the Olivion Power 48 P230 / T220-300, the battery, and the charger in a location protected from sources of heat, dust, and humidity with a room temperature between 0°C and 40°C.
- Keep the original packaging for storing the machine.
- Store the Olivion Power 48 P230 / T220-300 in a dry location out of children's reach.
- When storing the battery, refer to the battery's operating instructions.

9. ACCESSORIES AND CONSUMABLES

9.1. OPTIONAL ACCESSORIES

Rake prong	154283
Kit of 8 prongs	154065
Kit of 16 prong foam covers	50538
10 m extension power cord	100994

10. WARRANTIES

10.1. GENERAL WARRANTIES

10.1.1. STATUTORY WARRANTY

10.1.1.1. LATENT DEFECTS WARRANTY

Apart from the commercial warranty provided for under Article II, Article 1641 of the Civil Code provides that "the seller is bound to a warranty on account of latent defects of the object sold which render it unfit for the use for which it was intended, or which would impair said use to the extent that the buyer would not have acquired it, or would only have given a lesser price for it, had he known of them".

Article 1648 of the Civil Code "The action resulting from latent defects must be brought by the purchaser within two years after the discovery of the defect."

10.1.1.2. LEGAL WARRANTY OF CONFORMITY

Article L.217-4 of the French Consumer Code "The seller delivers goods in conformity with the contract and is liable for defects of conformity existing upon delivery".

The seller is also liable for any lack of compliance resulting from the packaging, assembly or installation instructions whenever its contractual liability is engaged in this regard or the latter are carried out under its responsibility.

Article L.217-5 of the French Consumer Code "Goods are compliant with the contract":

1. Where they are fit for the purpose normally expected of similar goods and, where applicable:
 - If it matches the description given by the seller and possesses the qualities that were presented to the purchaser in the form of a sample or model;
 - If it possesses the qualities that a purchaser can reasonably expect given the public statements made by the seller, the producer or its representative, especially in advertising or labelling;
2. Or, if it has the characteristics defined by mutual agreement of the parties or is fit for any particular purpose that the buyer made known to the seller and that the latter accepted.

Article L.217-12 of the Consumer Code "legal action resulting from lack of conformity lapses two years after delivery of the goods".

10.1.2. COMMERCIAL WARRANTYPELLENC

10.1.2.1. CONTENT

10.1.2.1.1. GENERAL INFORMATION

In addition to legal warranties, client users benefit from the commercial warranty on products PELLENC covering the exchange and replacement of parts recognised as being out of order, due to machining defects, assembly defects or material defects, whatever the cause.

The warranty is fully integral to the product sold by PELLENC.

10.1.2.1.2. SPARE PARTS

The commercial warranty also covers original PELLENC spare parts, excluding labour and to the exclusion of certain parts of each product provided at delivery.

10.1.2.2. DURATION OF THE WARRANTY

10.1.2.2.1. GENERAL INFORMATION

PELENC Products are guaranteed under the commercial warranty as from delivery to the customer for a period of two (2) years for products connected to a PELENC battery, and for a period of one (1) year for other PELENC products.

10.1.2.2.2. SPARE PARTS

PELENC Replacement parts replaced under the product warranty are guaranteed under the commercial warranty as from delivery of the PELENC product to the customer user for a period of two (2) years for products connected to a PELENC battery, and for a period of one (1) year for other PELENC products.

In the case of products connected to a PELENC battery, parts that are replaced under the product warranty after the 12th month of use, are covered for a period of one (1) year.

10.1.2.2.3. WARRANTY EXCLUSIONS

Excluded from the commercial warranty are products that have been subject to abnormal use, or were used under conditions and for purposes other than those for which they were manufactured, especially in the case of non-compliance with conditions stipulated in this operating instructions manual.

It does not apply in case of shock, fall, neglect, lack of supervision or maintenance or in case of transformation of the product. Also excluded from the warranty are products that have been subject to tampering, alteration or modification by the customer user.

Wear parts and/or consumables cannot be covered by the warranty.

10.1.2.3. IMPLEMENTATION OF THE COMMERCIAL WARRANTY

10.1.2.3.1. PRODUCT COMMISSIONING AND COMMISSIONING DECLARATION

No later than eight days after the delivery of the goods to the customer user, the DISTRIBUTOR shall complete the computerized declaration of commissioning form in order to activate the latter on the website www.pellenc.com, under the heading "extranet", menu "Pellenc Extranet Service", using the identifier previously issued by PELENC.

Failing that, commissioning declaration will not be effective and implementation of the commercial warranty PELENC will not occur. As a consequence thereof, the DISTRIBUTOR must ensure the financial burden of its intervention under the warranty without being able to pass on the cost to the client user.

The DISTRIBUTOR shall also undertake to complete the warranty card or the certificate of warranty and commissioning for self-propelled equipment provided with the product after having the client user sign and date it.

10.1.3. PAID AFTER-SALES SERVICE

10.1.3.1. GENERAL INFORMATION

Malfunctions, breakdowns, breakages resulting from misuse, neglect or improper maintenance by the client user as well as malfunctions resulting from normal wear of the product are subject to the payment of after-sales service, even during the period of the legal and commercial warranty. After-sales service repairs that fall outside of the legal and commercial warranty also include maintenance, adjustments, diagnostics of all types, and cleaning without the present list being exhaustive.

10.1.3.2. WEAR PARTS AND CONSUMABLES

Wear parts and consumables also fall within the after-sales service.

10.1.3.3. SPARE PARTS

Paid after-sales service also covers original PELLENC spare parts, excluding labour and outside the legal and commercial warranty period.

In case of replacement of original PELLENC spare parts in the context of after-sales service, said latter are covered by a warranty of one year as from the installation date.

11. COMPLIANCE STATEMENTS

11.1. STATEMENT OF COMPLIANCE: POWER 48 P230 / T220-300

MANUFACTURER/ENTITY AUTHORISED TO COMPILE THE TECHNICAL FILE	PELENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

We hereby declare that the machine referred to below as:

GENERIC DENOMINATION	Olive harvesting shaker rake		
FUNCTION	Tool for harvesting olives		
COMMERCIAL NAME	Power 48 P230 / T220-300		
TYPE	Power 48 P230 / T220-300		
MODEL	P 230	T 220-300	
SERIAL No.	48W00001 - 48W49999	48X00001 - 48X49999	48Y00001 - 48Y49999

Complies with the relevant provisions of the Machinery Directive 2006/42/EC.

Complies with the provisions of the following European directives:

- 2014/30/EU EMC Directive; 2011/65/EU ROHS Directive; 1907/2006 REACH Regulation; 2012/19/EU WEEE Directive

The following harmonised European standards have been used in part or in full:

- EN ISO 12100: 2010 ; EN 62841-1: 2015; EN 55014-1: 2017 + A11: 2020 ; EN 55014-2: 2015

SIGNED IN PERTUIS, DATED 07/04/2022

JEAN-MARC GIALIS

CHIEF EXECUTIVE OFFICER



PELLENC

   www.pellenc.com

PELLENC
Quartier Notre Dame - 84120 Pertuis (France)

