

agrotechnic.®

X-QUATTRO®
SUPERVELOCE

OLIVE HARVESTER OPERATING MANUAL

EN



v.2

Dear Customer,

Thank you for choosing an **agrotechnic**[®] quality product.

The **X.Quattro Superveloce** olive harvesting machine has been manufactured by Agrotechnic Crete S.A. using highest quality materials and precision equipment.

It is an olive harvester of high performance, with respect to the olive tree and the operator.

Agrotechnic Crete S.A. since 1982 provides solutions for every olive grower who wants to have a productive harvest and decrease the time of olive harvesting efficiently.

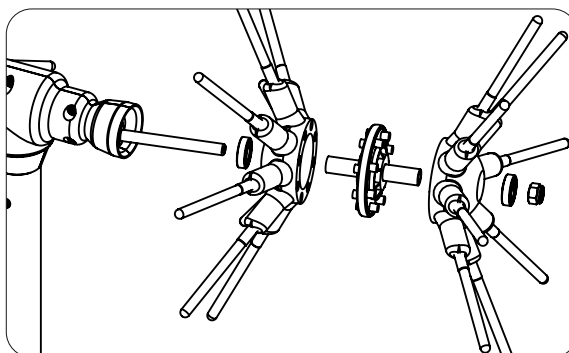
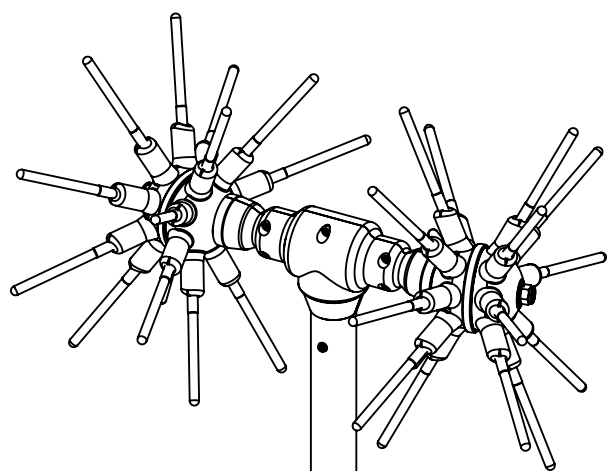
If you have any questions concerning your olive harvesting machine please contact your dealer or our technical department directly.

You can also visit our website www.agrotechnic.com
For updated spare parts lists, instructional videos and our latest models.

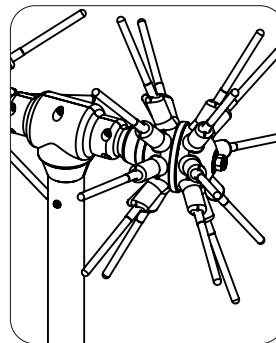
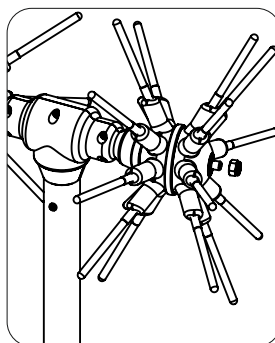
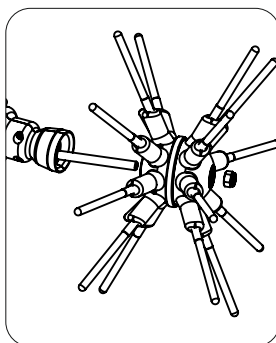
Table of contents

	Page
About agrotechnic - Table of contents	1
Quickstart guide	2
Illustrations	3
Olive harvesting machine overview	4
Safety warnings	4
General Working with your olive harvesting machine	
Operation of the olive harvesting machine	5
Area of use Preparation Starting operation Operating techniques	
Maintenance and storage	5
General Storage Cleaning your olive harvesting machine Replacing the elastic semispheres Replacing the carbon sticks Replacing the power cord Replacing the fuse Lubrication	
Warranty statement	6

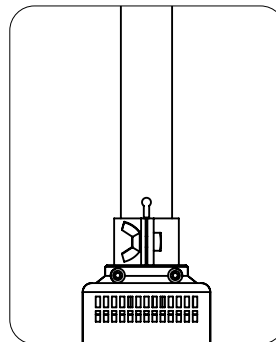
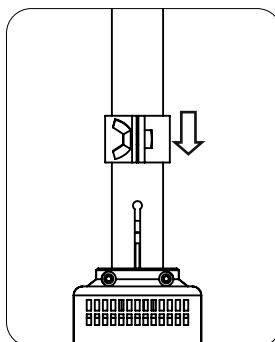
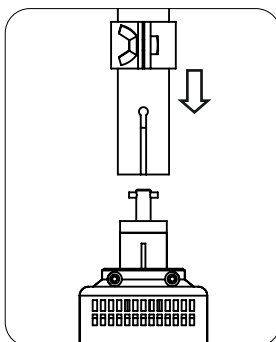
Quick start guide



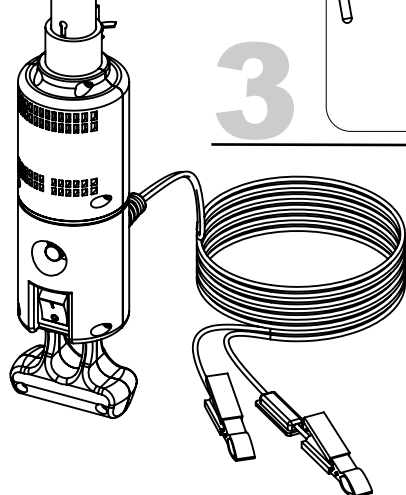
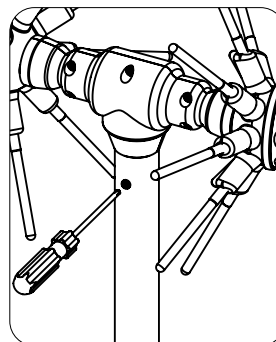
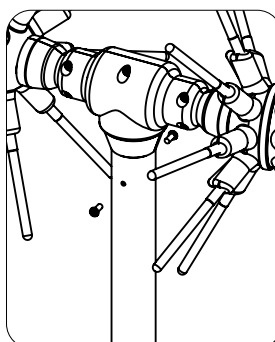
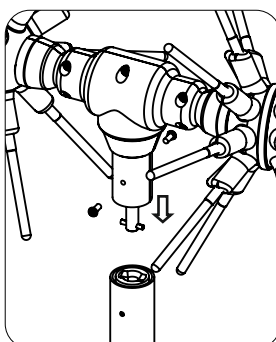
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Illustrations

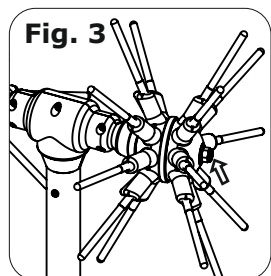
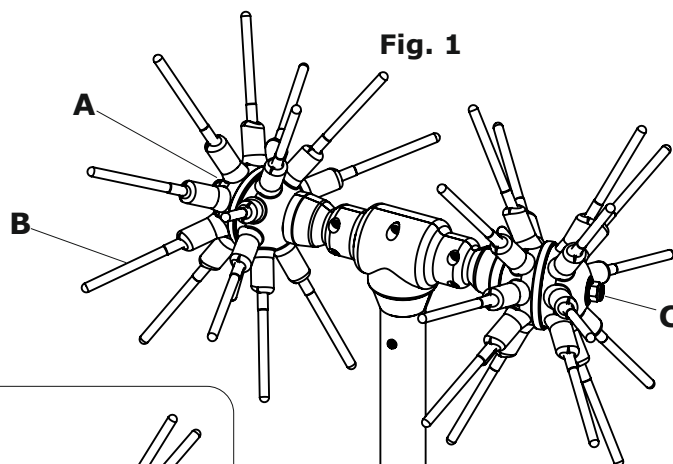


Fig. 3
semisphere
replacement

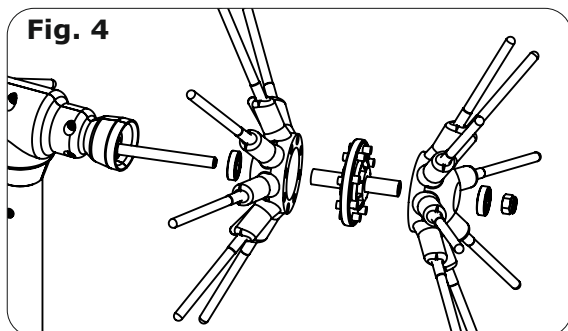


Fig. 4
x.quattro mechanism assembly steps

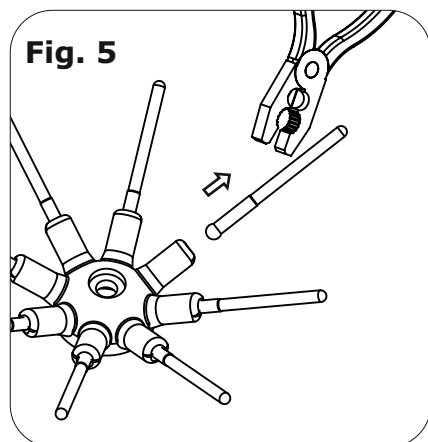


Fig. 5
carbon stick
replacement

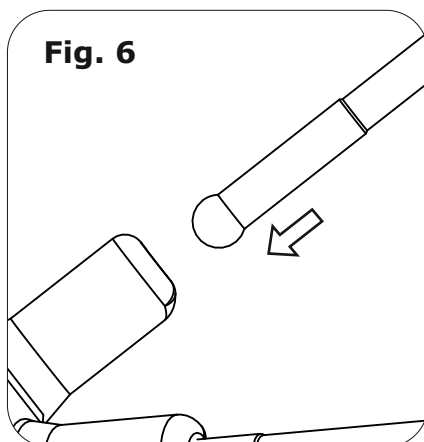


Fig. 6
snap lock
spherical end

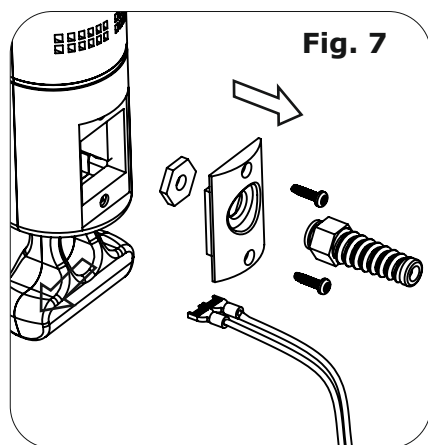


Fig. 7
cable
replacement

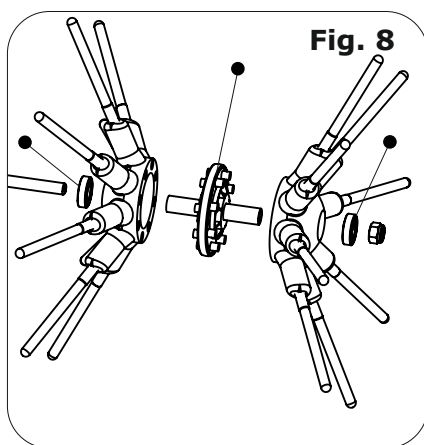


Fig. 8
grease spray
lubrication points

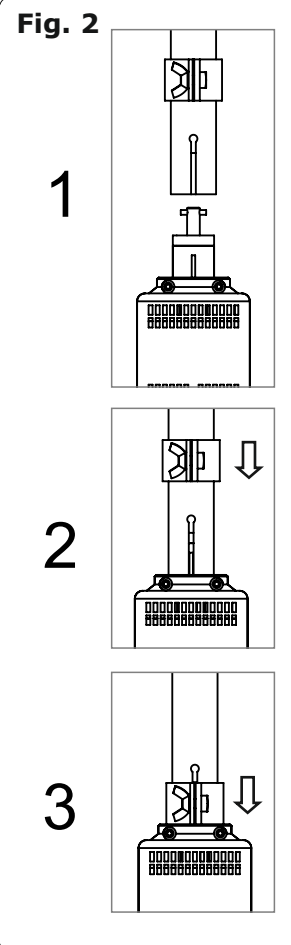
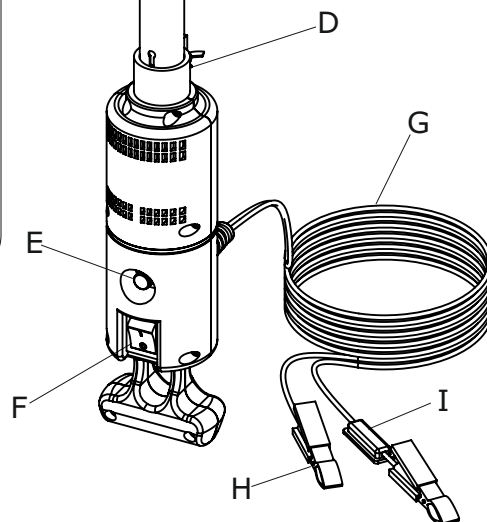


Fig. 2
motor coupling



Olive Harvesting machine overview

Illustrations in Figure 1, page 3.

- A Elastick Semispheres
- B Carbon Sticks
- C M7 Nut
- D Tube clamp
- E Speed control knob
- F On-Off Switch
- G Power Cable
- H Alligator Clips
- I Fuse Holder

Safety Warnings



Safety measures are necessary when using the electric driven olive harvesting machine with the vibrational and rotational motion of head.



Carefully read through the whole instruction manual before using your machine for the first time, to prevent injuries to yourself and to others.

General

The employer is responsible for:

- The enforcement of compliance with safety warnings and other directions presented in this operating instructions manual and illustrations. Ensuring that the instructions and the illustrations are distributed to the personnel concerned.

- The enforcement of all rules and regulations issued by the local Safety Authorities for the use of this tool.

Children under 18 are not allowed to work with the olive harvesting machine.

Keep children, bystanders and animals at a safe distance. The user is responsible for accidents or injuries to other persons.

Only give or lend the olive harvesting machine to persons who are familiar with how to operate it, and always provide them with the instruction manual.

Do not make any alternations to the electrical circuit - this may endanger your safety.

Do not remove the warning signs from the olive harvesting machine.

Working with the olive harvesting machine

Those working with the olive harvesting machine must:

- be rested, healthy and in good physical condition.
- take breaks as required.
- not operate the olive harvesting machine after the consumption of alcohol, medications which impair reactions, or drugs.

Use proper clothing and equipment.
Clothing must be suitable for the job



Wear safety goggles or protective glasses



Wear protective gloves



Wear protective mask



Work only with protective clothes

Work safely, always hold the olive harvesting machine with both hands. One holding the motor's handle and the other the tube.

Do not abuse cable. Never carry motor by cable or yank it to disconnect from the battery or other 12V DC power source.

Do not cover the ventilation grills.

Avoid accidental starting. Do not carry motor with fingers on the on-off switch. Always remove cable from battery or other 12V DC power source when not in use.

Operate only with a 12VDC car battery
Operational voltage is 10.5-14.5VDC
Do not exceed 14.5VDC

Always connect to the car battery using the fused battery kit.

Do not overload the electric motor. It operates more efficiently within the specified performance range.

Avoid dangerous environment, do not expose the olive harvesting machine and the battery or other 12V DC power source to rain.



Do not touch movable parts unless the power source has been disconnected.



Operation

Area of use

The X.Quattro Superveloce Olive Harvesting Machine is suitable for all varieties of olive trees.

Preparation

Place the olive collecting nets covering the area under the olive tree. Place the 12VDC car battery near the operating area.

Starting Operation

Before connecting the olive harvesting machine to the power source, make sure that the on-off switch is in the OFF (O) position and the speed control knob (Fig.1 - E) is turned fully anti-clockwise.

Align the slot at the bottom of the tube with the slot of the brace (Fig.2 - Step1).

Insert the motor's coupling unit inside the coupler in the tube. Until there is no gap between the tube and the motor. (Fig.2 - Step2).

Lower the tube clamp and tighten the butterfly screw firmly (Fig.2 - Step3).

Connect the alligator clips of the power cable to the 12VDC car battery.

Black cord connects to the negative terminal (-).

Red cord connects to the positive terminal (+).

To start the operation hold the olive harvesting machine with both hands and push the on-off switch to the ON (I) position.

You can adjust the speed of the machine, by turning the speed control knob (Fig.1 - E) clockwise. Set at the desired speed.

Olive harvesting techniques

After starting the operation, lead the head of the olive harvesting machine to the branches of the olive tree, where the olive seeds are.

The head vibrates and the olive seeds drop onto the nets. Repeat until all olive seeds of the tree have been dropped on the nets.

Maintenance

General

Before doing any cleaning or maintenance, make sure that the power source is disconnected. Always use original replacement parts. Never use replacement parts that might be same visually, but without the required specifications.

Storage and transportation

The olive harvesting machine should be thoroughly cleaned and stored in good condition.

Store/transport the olive harvesting machine in a dry and safe place away from humidity and sun rays.

Apply spray grease externally to the ball bearings of the head (Fig.8) before storage.

Some parts of the olive harvesting machine are subject to normal wear even when used properly and must be replaced in due time depending on type and duration of use. These parts are not covered by the warranty.

These parts are:

- Elastic semispheres and carbon sticks
- Power cable
- Fuse
- Electronic module

The following parts can be easily replaced by the user. For any further maintenance and repair work please contact your supplier.

Before doing any maintenance, move the On-Off switch to the OFF (O) position. and disconnect from the power source.

Cleaning your olive harvesting machine

Clean parts using a damp cloth and dry them thoroughly. Do not use any aggressive cleaning agents - this may damage some plastics.

Replacing the elastic semispheres

To replace the elastic semispheres, using a No.11 wrench, unscrew the nuts at the ends of the shafts on the head (Fig.3 + Fig.4). Replace the elastic semispheres and tighten the nut.

Tip: To unscrew more easily you can hold the resistance on the other semisphere with your hand or the other side's self locking nut with a pliers or 11mm wrench.

Replacing the carbon sticks

To replace the elastic sticks, hold the semisphere firmly on a workbench. With a pliers pull out the worn out or broken carbon stick (Fig.5). Insert a new one in the same cavity by pushing the spherical end side into the cavity until it snap-locks in place (Fig.6).

Replacing the power cord

Power cord must be in excellent condition at all times. You can visually examine it for any defects. To replace the power cord, unscrew the 2 torx screws using a T20 bit at the back side of the motor (Fig.7). Slide back the terminals of the power cord and discard it. Insert the new power cord to the cable cover with strain relief and attach the cable's terminals on the rocker switch terminals. Tighten the 2 screws firmly.

Replacing the fuse

In case of a short circuit, the electrical system is protected by a melting fuse, located inside the fuse holder near the end of the power cord.

After locating and repairing the short circuit, open the fuse holder (Fig.1 - I) and pull out the fuse, replace with a new 30A melting fuse.

Lubrication

Lubricate the X.Quattro mechanism and ball bearings externally (Fig. 8) every 10 hours of operation using grease spray.

Lubricate the internal guide rollers every of operation using NGLI-2 grease.



WARRANTY STATEMENT

Agrotechnic Crete S.A. is confident of the quality of its products and offers a guarantee for the users of the product. The guarantee is valid globally.

2 Year Full Warranty

If your product becomes defective due to faulty materials or workmanship within 24 months from the date of purchase, we, guarantee to replace all defective parts, provided that:

- * The product has not been misused
- * The product has been subject to fair wear and tear
- * Repairs have not been attempted by unauthorised persons
- * Proof of purchase is produced

In order to make a claim, you will need to submit proof of purchase to the vendor and your product must display the serial number and CE mark, as shown below:



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