



FZK 6010 B

Petrol cultivator

USER'S MANUAL

Thank you for purchasing this petrol cultivator. Before you start using it, please, carefully read this user's manual and save it for possible future use.

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1. GENERAL SAFETY INSTRUCTIONS

IMPORTANT SAFETY NOTICE

- ✿ Carefully unpack the product and take care not to throw away any part of the packaging before you find all the parts of the product.
- ✿ Store the machine in a dry place out of reach of children.
- ✿ Read all warnings and instructions. Not following warnings or instructions may lead to injury by electrical shock, a fire and/or serious injuries.

PACKAGING

The product is packed in a package that prevents damage during transport. This package is a resource and so can be handed over for recycling.

INSTRUCTIONS FOR USE

Before you start working with the machine, read the following safety and usage instructions.

Acquaint yourself with the operating elements and the correct use of the machine. Keep the user's manual in a safe place where it can be easily retrieved for future use. Save the original packaging, including the internal packing material, warranty card and proof of purchase receipt at least for the duration of the warranty.

If you need to ship this machine, pack it in the original cardboard box to ensure maximum protection during shipping or transport (e.g. when moving or when you need to send this product for repair).

 **Note:** If you hand over the machine to somebody else, do so together with this user's manual. Following the instructions in the included user's manual is a prerequisite for the proper use of the machine. The user's manual also contains operating, maintenance and repair instructions.

The manufacturer takes no responsibility for accidents or damages resulting from not following the instructions in this manual.

2. EXPLANATION OF INSTRUCTION LABELS ON THE POWER TOOL



Before putting into operation, please carefully read the user's manual.



Keep other persons away from the work area.



Rotating parts! The blades of the cultivator stop only some time after the motor is shut off.



Emission of toxic gasses. Do not use the petrol cultivator in enclosed or unventilated areas.



Hot surfaces, risk of burns!



Before carrying out maintenance, turn off the engine and disconnect the spark plug.



Never add fuel while the engine is running.



Indicates that there is a risk of injury to persons, death or damage to the machine if instructions are not followed



Use hearing protection.

Use eye protection.

Use breathing organ protection.



Always maintain a distance from moving parts.



Conforms to all relevant European directives.



Petrol is extremely flammable and therefore allow the engine to cool down for 2 minutes before adding more fuel.

3. DESCRIPTION OF THE CULTIVATOR (Fig. 1)

1. Starting cord
2. Motor On/Off switch
3. Blade engagement lever
4. Metal handles
5. Drag stake
6. Cultivation blades
7. Transport wheel
8. Fuel primer bulb
– Primer

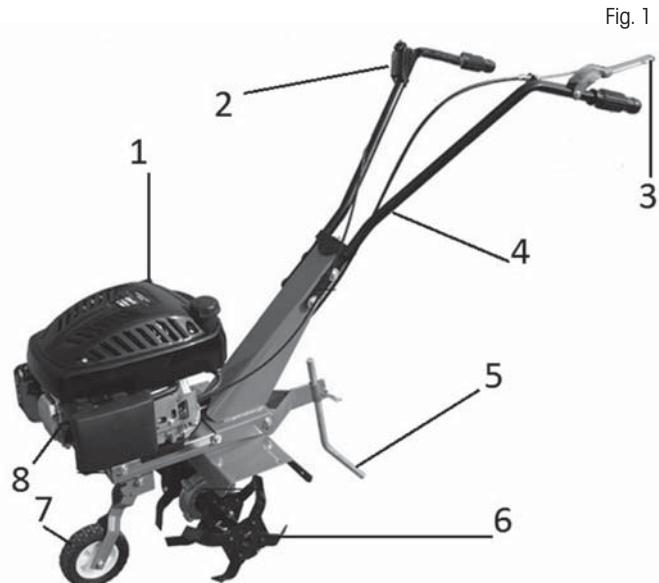


Fig. 1

4. ASSEMBLY/PREPURATION

Before assembling and starting the petrol cultivator, first carefully read the entire user's manual and the instructions contained in it.

⚠️ IMPORTANT INFORMATION: The cultivator is supplied **WITHOUT FUEL AND OIL** in the engine. Your new cultivator was tested at the production plant meaning that a small amount of residual oil may be in the engine.

TAKING THE CULTIVATOR OUT OF THE CARDBOARD PACKAGING

Take the cultivator out of the cardboard packaging and check that no loose parts are left in the packaging.

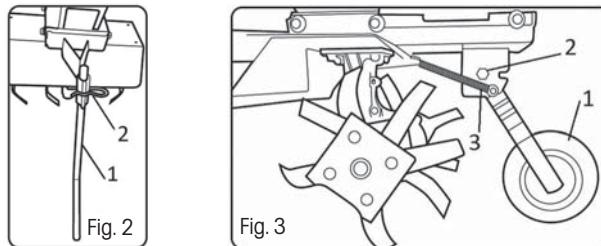
5. ASSEMBLING THE CULTIVATOR

⚠️ IMPORTANT INFORMATION: Carefully unfold the cultivator handle, being careful not to pinch or damage the cultivator's control cables.

⚠️ Caution! Assemble the cultivator on a level surface.

INSTALLING THE DRAG STAKE

1. Slide the drag stake (Fig.2, point 1) through the prepared opening at the rear of the cultivator and secure it in at the required height using a cotter pin (Fig.2, point 2).

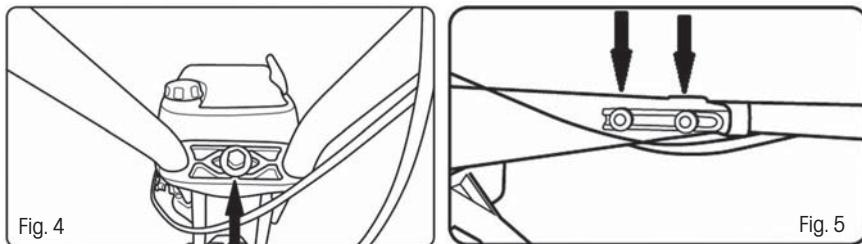


INSTALLING THE SUPPORT WHEEL

1. Place the wheel (Fig. 3, point 1) into the prepared opening at the bottom of the cultivator and secure it in place using the included bolt (Fig. 3, point 2).
2. Slide the spring on to the wheel axle and secure in place using the cotter pin (Fig. 3, point 3).

ASSEMBLING THE HANDLE

1. First attach the handles in the middle part Fig. 4. The handle with the motor on/off switch must be located on the right side. The handle with the cultivating blade control lever must be on the left side.
2. Attach both handles on each side using two bolts - Fig. 5. A washer must be placed underneath the head of the bolt.



6. BEFORE STARTING THE CULTIVATOR

ADDING OIL

The cultivator is supplied without motor oil. Before first start up, add motor oil SAE30 or 15W-40 (approx 600 ml) according to the following instructions.

1. When pouring in the oil, place the cultivator on a level surface.
2. Pull the cap with the oil dipstick out of the oil refill hole (Fig. 6).
3. After adding oil, put the dipstick back into the hole and tighten it.
4. The oil level must be between the upper (MAX) and lower (MIN) limit (Fig. 6).

⚠ Caution! DO NOT OVERFILL the oil tank, otherwise a large amount of smoke will come out of the exhaust when the cultivator is started up.

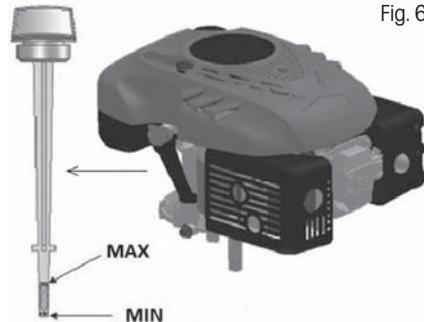


Fig. 6

⚠ IMPORTANT INFORMATION: Check the oil level before every use of the cultivator. Add oil if necessary. Add oil up to the MAX level mark on the oil dipstick.

⚠ IMPORTANT INFORMATION: Replace the oil after the first 5 hours of operation and subsequently after every 25 hours of operation.

ADDING FUEL

The suitable type of fuel for this engine is NATURAL 95

After unscrewing the fuel tank cap, add the fuel, pouring it in all the way up to the collar of the fuel tank but do not overfill it.

Always add fresh, clean and approved lead-free petrol with an octane rating of at least 95.

⚠ Caution! In the event that you spill any oil or fuel on the cultivator when refilling, wipe it away immediately. Do not store or add fuel or handle it in any way in the vicinity of an open fire.

⚠ Caution! Fuels mixed with alcohol or fuels with ethanol or methane additives may bind moisture to themselves, which may result in separation during storage and the formation of acids. Subsequently during storage the acid vapours may damage the fuel system of the engine. These fuels must not be used in the cultivator.

⚠ IMPORTANT INFORMATION: When not using the cultivator for longer than 30 days, drain the fuel tank, start the engine and let it run until the fuel lines and the carburettor are empty (the engine will stop on its own). This will prevent future engine problems.

Before using it again, add fresh fuel into the fuel tank. For more information, see chapter Storage instructions.

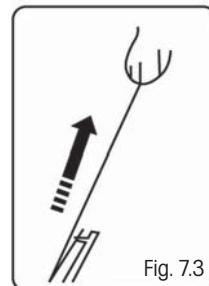
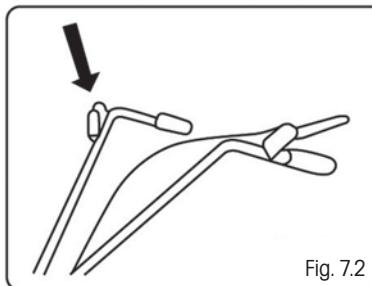
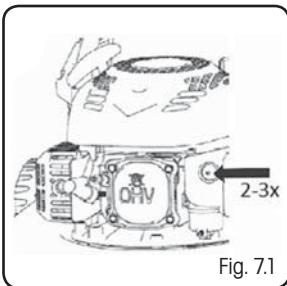
7. BEFORE TURNING ON THE PETROL CULTIVATOR

- ⚠ **ATTENTION:** Never remove or short-circuit the safety features mounted on the cultivator (for example the starting lever safety mechanism).
- ⚠ **ATTENTION:** The cultivation blades will continue to rotate for a short time after it is turned off! When turning it on, make sure that your feet are at a safe distance from the cultivation blades.
- ⚠ **ATTENTION:** Always lead the cultivator by the handles with both hands. Never work with the cultivator with only one hand. Lead the cultivator only at walking speed.
- ⚠ **ATTENTION:** Before turning on the cultivator, make sure that the blades are not touching any object and that they can move freely.
- ⚠ **ATTENTION: TO MOVE TO THE DESIGNATED AREA, USE THE SUPPORT WHEEL, NOT RUNNING CULTIVATION BLADES.**
- ⚠ **ATTENTION: BEFORE STARTING THE BLADES, LEAN THE CULTIVATOR AGAINST THE DRAG STAKE TO TAKE OFF THE LOAD. ONCE THE BLADES ARE ROTATING AT FULL SPEED, IT IS POSSIBLE TO SLOWLY PLUNGE THEM INTO THE SOIL.**
- ⚠ **ATTENTION:** The cultivator may jump up and/or forwards if the blades hit very hard or frozen soil or if there are hidden obstacles in the soil such as large stones.

8. CONTROLLING AND OPERATING THE CULTIVATOR

STARTING THE CULTIVATOR

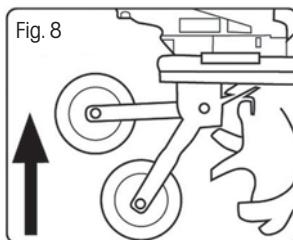
1. If the engine is not warmed up, press the fuel primer bulb 2-3 times (Fig. 7 – point 1).
If the engine is already warm, it is not necessary to use the fuel primer bulb.
2. Set the motor On-Off switch on the right handle to the ON position - Fig. 7.2.
Then pull on the starting cord - Fig. 7.3. The engine should start up after 3-4 pulls.
3. Turn off the motor by again pressing the switch on the right handle.



- ⚠ **Caution!** A small amount of smoke may be emitted when the engine is started up for the first time as the protective layers in the engine are burnt off. This is completely normal and does not constitute a problem.

SUPPORT WHEEL AND DRAG STAKE

For moving the cultivator, only use the support wheel. Prior to starting work, fold the wheel up (Fig. 8). However, it may also be used during work to control the depth of cultivation. The drag stake helps work by holding the cultivator back.



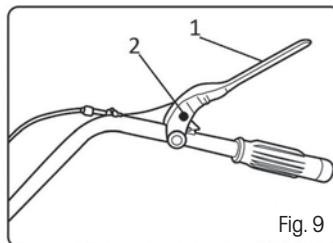
CONTROLLING THE CULTIVATION BLADES

The lever on the left handle of the cultivator is used to control the cultivation blades (Fig. 9, point 1)

⚠ Caution! For safety reasons, this lever is fitted with a safety mechanism preventing accidental engagement of the blades

Prior to engaging them, pull to release the safety mechanism on the lever (Fig. 9, point 2)

Push the lever to the handle to put the cultivation blades into motion



APPLICATION RANGE FOR THE PETROL CULTIVATOR

⚠ ATTENTION: Before use, remove all visible stones or other foreign objects.

⚠ ATTENTION: THE PETROL CULTIVATOR IS NOT INTENDED FOR REMOVING GRASS TURF OR FOR TRANSFORMING GRASS SURFACES INTO GARDEN BEDS

Use the petrol cultivator for preparing maintained garden beds before sowing. The cultivator can also be used for sowing filled or ploughed garden beds, or for incorporating various types of fertilizer into the soil. The cultivator can also be used to incorporate new substrate into existing garden beds.

To prepare a garden bed for sowing, it is recommended to use one of the following patterns:

Loosening pattern A – Travel over the loosened area twice, the second time in cross direction to the first run,
Loosening pattern B – Travel over the loosened area twice, the second time overlap the first run

For deep loosening, allow the cultivator to pull your hands to the end of their reach and then firmly pull the cultivator back towards yourself. You will achieve the best results by repeatedly allowing the cultivator to move forward and then pulling it back towards yourself again.

In the event that the cultivator sinks so deep into the soil that it stays in the one location, rock it gently from side to side to release it. The cultivator will again start to travel forward.

When working on a slope, always stand diagonally to the slope to maintain a firm safe stance. Do not work on extremely steep slopes.

CHANGING THE MOTOR OIL

⚠ Caution! For this task, we recommend that you contact an authorised service centre.

The drain plug is located under the engine (Fig. 10 – point 1). Place a suitable container for catching the used oil under the engine and remove the plug. Tilt the cultivator so that all the oil can drain from the oil tank.

After draining the oil, put the plug back into the hole, making sure that the plug is securely in its place and wipe away any drops of spilled oil.

Add type SAE30 or 15W-40 oil into the oil tank.

When the oil dipstick is inserted into the hole and screwed in, the oil level should be between the Min and Max marks (Fig. 10). Do not overfill the oil tank.

Start the engine and allow it to run for a short time.

Stop the engine, wait 1 minute and remeasure the oil level in the oil tank. Add oil to the required level if necessary.

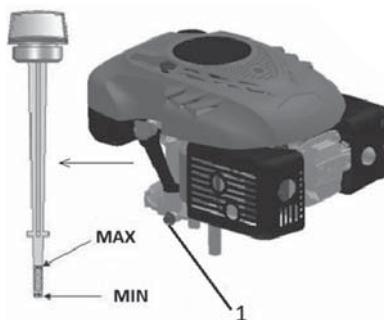


Fig. 10

9. SAFETY INSTRUCTIONS

GENERAL SAFETY INSTRUCTIONS

- ✿ This product serves exclusively for the purposes described above in this user's manual. Do not use it for any other purposes than those intended. Otherwise, there is a risk of damaging it or an injury.
- ✿ Never allow children or persons who are not acquainted with the contents of this user's manual to work with the machine.
- ✿ The person operating the cultivator is responsible for the safety of persons in the work area.
Never operate the cultivator in the near vicinity of other people, children or freely roaming animals.
- ✿ Before starting work, check the terrain where the cultivator will be used and remove stones, wires, sticks, splinters, bones and other foreign objects, which could become caught in it or deflected or cause injuries.

INSTRUCTIONS FOR USE

- ✿ All nuts, pins and bolts must be properly tightened so that the machine is in a safe and operational condition.
- ✿ When working with the cultivator, wear long pants and solid footwear.

- ✿ Never start the cultivator in enclosed or poorly ventilated areas where fumes could accumulate. Emissions from the engine contain carbon monoxide, which is life threatening.
- ✿ Work only during sufficient light conditions (in daylight or sufficient artificial lighting).
- ✿ Do not use the cultivator when it is raining.
- ✿ Proceed especially carefully when working in elevated terrain (on a slope). Always work perpendicular to the slope, parallel to the contour, and not directly up/down.
- ✿ Under no condition leave the cultivator running without supervision; if you leave the cultivator, turn off the engine.
- ✿ Never modify the engine's speed setting.
- ✿ Never transport the cultivator while its engine is running.
- ✿ Stop the engine and disconnect the spark plug in the following cases:
 - when performing maintenance, repairs or inspecting the machine.
 - before carrying, lifting or transporting it.
 - when an impact with a foreign object occurs, stop the engine and carefully inspect the cultivator to ensure that there is no damage. In the event of damage, take the cultivator to a specialised service centre for repairs.
 - if the cultivator is vibrating abnormally (immediately identify and remedy the cause of the vibration).
 - For the purpose of ensuring safe operation, regularly check that the pins, bolts and nuts on the cultivator are securely tightened.

⚠ ATTENTION: FUEL IS A VERY FLAMMABLE LIQUID.

- ✿ Store fuel in a suitable container.
- ✿ Only add fuel in an open and well ventilated location. When handling fuel, do not smoke or use a mobile phone.
- ✿ Only add fuel when the engine is turned off. Never open the fuel tank or add fuel if the engine is hot or if it is running.
- ✿ If fuel is spilled, do not start the engine. Take the cultivator away from the location where the fuel was spilled and take care to avoid possible ignition. Continue with work only after the spilled fuel has evaporated and the fuel fumes have dissipated;
- ✿ After adding fuel, securely tighten the fuel tank cap and the cap on the fuel canister.

⚠ ATTENTION: Before carrying out maintenance or repairs, stop the engine and disconnect the spark plug.

10. MAINTENANCE

MAINTENANCE

- ✿ All nuts, pins and bolts must be properly tightened so that the machine is in a safe and operational condition. Regular maintenance is the basic prerequisite for ensuring safety of the user, maintain the cultivator's operating condition and high performance.
- ✿ Never store a machine with petrol in the fuel tank inside a building where the fumes could come within range of an open fire, sparks or sources of high temperature
- ✿ Before storing in any enclosed area, allow the engine to cool down.

- ✿ To reduce the risk of a fire, ensure that the cultivator and in particular the engine, exhaust muffler, battery and also the location of spare fuel storage are free of plant remains, leaves or excessive amounts of lubricant.
- ✿ Regularly inspect the condition of the protective blade cover.
- ✿ Drain the fuel in a well ventilated area when the engine has cooled down.
- ✿ When removing or installing the cultivation blades, use thick work gloves.

⚠ ATTENTION: Before carrying out maintenance or repairs, stop the engine and disconnect the spark plug.

- ✿ Check the cultivator regularly and ensure that all dirt, is regularly removed, especially from the cultivation blades.
- ✿ Regularly inspect the condition of the blades because they have a significant effect on the performance of the cultivator.
- ✿ In regular intervals, check that all nuts and bolts are tightened. Nuts and bolts that are worn out or incorrectly tightened may cause serious damage to the engine or the frame.

⚠ ATTENTION: Always use only original spare parts. Poor quality spare parts may cause serious damage to the cultivator and create a safety hazard.

SERVICE

- ✿ In the event that after purchasing the product you find any kind of defect, contact the service department. When using the product, follow the instructions contained in the included user's manual.
- ✿ A complaint will not be accepted if you modified the product or if you did not follow the instructions in the user's manual.

WARRANTY DOES NOT COVER

- ✿ Normal wear and tear of operating parts of the machine as a result of its use.
- ✿ Servicing tasks related to standard maintenance of the machine (e.g. cleaning, lubrication, tuning, etc.). Defects caused by external effects (e.g. climatic conditions, dustiness, inappropriate use, etc.)
- ✿ Mechanical damage resulting from the machine being dropped, impact, etc.
- ✿ Damages resulting from unprofessional handling, overloading, use of incorrect parts, inappropriate tools, etc.
- ✿ On returned products that were not properly protected against mechanical damage during transport, the risk of potential damage is borne exclusively by the owner.

STORAGE

- ✿ If you will not be using the machine for an extended period of time, store it according to the following instructions. This will extend the lifetime of the machine.
- ✿ Fully drain fuel from the fuel tank and the carburettor.
- ✿ Screw out the spark plug and pour a small amount of motor oil into the socket. Gently pull the pull cord 2 to 3 times.
- ✿ Use a clean cloth to clean the exterior surfaces. Store the machine in a clean dry location.

11. TECHNICAL SPECIFICATIONS

Engine type	OHV, air cooled, 4-stroke
Rated power	2.50 kW
Engine rpm	3000 rpm
Displacement	139 cm ³
Starting	Pull cord
Fuel tank volume	1.2 litres
Recommended fuel	Petrol - lead-free, at least 95 octane
Oil tank volume	0.6 l
Recommended oil	SAE30, 15W-40
Working width	36 cm
Rotation speed of axle with blades	140 rpm
Blade diameter / max. working depth	26 cm
Declared noise level	93 dB (A)
Maximum vibration level	12.5 m/s (K=1.5)
Weight	31 kg

Amendments to text and technical parameters are reserved.

Changes in the text, design and technical specifications may be made without prior notice and we reserve the right to make such changes.

12. DECLARATION OF CONFORMITY

Manufacturer:

FAST ČR, a.s.
Černokostelecká 2111, 100 00 Prague 10, Czech Republic
Tax ID number: CZ26726548

Product/brand: PETROL CULTIVATOR (MOTOR CULTIVATOR) / FIELDMANN

Type/model: FZK 6010 B
2.5 kW, 139 cc

This product meets the requirement of the directives and regulations below:

Electromagnetic Compatibility (EMC) No. 2014/30/EU
EU Council Directive No. 2004/26/EU for exhaust fume emissions
EU Directive No. 2006/42/EU for machinery

and norms:

EN ISO 11806:2011

CE mark: 16

Place of issue: Prague

Name: Ing. Zdeněk Pech
Board Chairman

Date of issue: 1. 8. 2016

Signature:

FAST FAST ČR, a.s. ®
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IČO: 26726548 tel.: +420/ 323 204 111
DIČ: CZ26726548 fax: +420/ 323 204 110



13. DISPOSAL

INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING MATERIALS

Dispose of used packaging material at a site designated for waste in your municipality.



The machine and its accessories are manufactured from various materials, e.g. metal and plastic.

Take damaged parts to a recycling centre. Inquire at the relevant government department.



This appliance meets all the basic requirements of EU directives related to it.

Changes in the text, design and technical specifications may be made without prior notice and we reserve the right to make these changes.

User's manual in the original language.

