

User manual

Petrol earth auger

4-stroke (one person)



EJ520

Original instructions












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This user manual should be kept with the earth auger.

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	<p>Read the instructions before use!</p>
	<p>Always wear safety goggles when using this machine!</p>
	<p>Always wear ear defenders when using this machine!</p>
	<p>Wear safety shoes</p>
	<p>Wear anti-vibration safety gloves</p>
	<p>Do not use the machine in the rain</p>
	<p>Do not lean on the machine</p>
	<p>Do not use the earth auger if children are nearby</p>
	<p>Be aware of the rotating drill! High risk of injury!</p>

SAFETY

Owner's responsibility

The user is responsible for the correct assembly and safe and proper use of the earth auger and individual augers.

Read and follow the instruction manual.

Follow the assembly instructions carefully.

Maintain the machine carefully according to the service intervals and instructions in this manual.

Make sure that anyone who uses this earth auger is aware of the safety instructions.

IMPORTANT SAFETY INSTRUCTIONS

Read this section carefully.

Use the earth auger according to the safety instructions and recommendations described here. Everyone who uses the earth auger must read the instructions and be familiar with its use.



This symbol indicates an important safety instruction which, if not followed, may cause personal injury. Read and follow all the instructions in this manual before using the earth auger.

- Do not carry the earth auger from one hole to another with the engine running. Move the machine by lifting it by the frame with the auger pointing downwards.
- Always keep hands, feet, hair and loose clothing away from any moving parts on the earth auger.
- Always wear ear defenders.
- Do not allow children to operate this earth auger. Do not allow anyone to use this earth auger without proper instruction.
- Do not use this earth auger under the influence of alcohol or drugs.
- Keep all screws, nuts and bolts tight.
- Before repairing the machine, the engine must be off, cooled down with the spark plug removed.
- The exhaust and the area around the exhaust can become hotter than 65°C. Avoid these areas.
- Never start the engine indoors or in other enclosed areas. Engines give off carbon monoxide, which is odourless and can cause death.
- If the earth auger stops: turn off the engine and allow it to cool down before removing it manually.
- Use only Aspen 4 or euro 95. Do not mix oil and petrol.

Operating instructions

Read these instructions and keep them in a safe place. Read the manual carefully before using the earth auger. Protect yourself and others by following all the safety information, warnings and precautionary measures. Failure to follow the instructions may result in personal injury and/or damage to the machine or environment. The instructions must be kept with the machine.



PLEASE NOTE: The user of this machine must be aware that the auger may kick back on contact with the ground. It is therefore important to hold the auger firmly with both hands.

Petrol engine

Specific safety instructions

- Petrol and diesel engines must never be used in non-ventilated or confined spaces. The exhaust fumes are very dangerous and can cause carbon monoxide poisoning leading to drowsiness and ultimately death.
- The engine must not exceed the specified speed.
- Running the engine at excessive speeds can lead to danger or personal injury.
- Do not tamper with the components to change the speed.
- Do not leave the machine unattended with the engine running.
- Always use the correct fuel as specified in the manual.
- To prevent fire, turn off the engine when filling up with fuel and do not overfill.
- Clean up spilt fuel immediately with sand or absorbent granules.
- Do not use the machine in or near an explosive environment.
- Check the fuel system regularly for leaks.
- Check the machine's oil level regularly.
- Seals and hoses must be checked for cracks.
- Check the fuel tank and fuel filler cap for loose or missing fastenings. All defects must be repaired before further use.
- Make sure the engine does not run out of fuel.
- Drain all fuel from the machine before transport.
- Store the machine in a well-ventilated environment with an empty tank.
- For specific information regarding the Honda GX35 engine, please refer to the Honda owner's manual.

Earth auger

Specific safety instructions

- Before using the earth auger, the user must be familiar with the safety and operating instructions. The earth auger should only be used by a trained person.
- Use the earth auger only in daylight or comparable artificial light.
- Start the earth auger carefully with your feet at a distance from the auger.
- Do not leave the machine unattended with the engine running.
- Do not use the earth auger without proper footwear. Always use the correct PPE.
- Use the earth auger only in soil, not in stone/rocky ground.
- Do not drill any holes where there may be pipelines in the ground. If necessary, notify the Dutch Cables and Pipes Information Centre (KLIC).
- Make sure that the auger is properly attached to the machine. The auger is secured by the original locking pin supplied, which is also secured, so that it is not possible for the auger to come loose.
- Do not use a damaged or worn auger.
- Do not carry the earth auger with the engine running.
- The auger should not rotate when the engine is idling.
- Keep hands and feet away from a rotating earth auger.
- Make sure that the engine is off and the spark plug has been removed before making any adjustments.
- Check before use if any parts are worn or damaged. Replace them if necessary.

Petrol-driven earth auger

Getting started



PLEASE NOTE! The machine may kick back when hitting hard surfaces or stones. You must therefore hold the auger firmly with both hands.



Positioning an auger (Fig. 1)

Figure 1



PLEASE NOTE! Always switch off the engine when adjusting the machine, such as changing an auger.

Remove the locking pin and place the auger on the output shaft of the machine. Make sure that the locking pin can be inserted (Fig. 1) and replace the locking pin. Secure the locking pin.



Filling the engine with oil (Fig. 2)

PLEASE NOTE! The engine must be filled with oil before use.

Place the machine on its side with the throttle down. Remove the dipstick from the engine, insert a funnel, fill the sump with oil and replace the dipstick.

Please note the maximum filling level.

Figure 2 – Dipstick on the engine



Fuelling (Fig.3)

The earth auger is driven by a 4-stroke engine. Only Aspen 4-stroke or euro unleaded petrol should be used. The engine has a total tank capacity of 0.53 litres.



Figure 3 – Filling the tank with fuel

Filling the tank.

Use a suitable funnel to fill the tank without spilling any fuel.

Bear in mind that the fuel system is completely empty before first use and will have to be run in. The engine will start once the fuel system has been filled. The machine will start more easily next time.

Petrol-driven earth auger

Start the engine (Fig. 4 to Fig. 6)

Move the choke lever to the “ON” position. (Fig. 4, orange arrow).

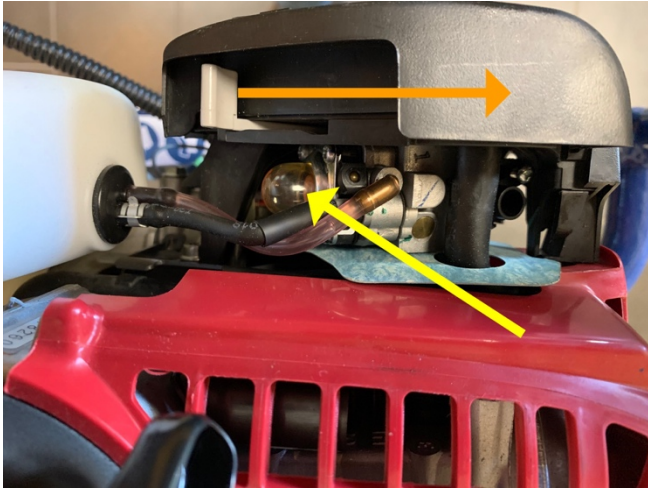


Figure 4 – Choke and carburettor

When starting from cold, press the transparent ball 3 times to pump fuel into the carburettor. (Fig. 4, yellow arrow).

Make sure that the ON/OFF switch is in the “ON” position. (Fig. 5)



Figure 5 – ON/OFF switch

Hold the machine firmly with one hand. With the other hand grip the pull starter. (Fig. 6)



Figure 6 – Pull starter

Pull it out slowly until you feel resistance. Without letting it retract, pull the starter handle quickly. Let it return to its original position slowly. Repeat until the engine is running.

When the engine is running well switch off the choke.

Then squeeze the throttle (Fig. 7) and the auger will begin to rotate. The harder the throttle is squeezed, the faster the auger rotates.

Release the throttle to stop the auger rotating.



Figure 7 – Throttle

Using the earth auger

You should use both hands to operate this machine.

Make sure you know what objects are in the ground, such as pipes or cables. If necessary, notify the Dutch Cables and Pipes Information Centre (KLIC).

Inspect the work environment before starting. Remove any objects or debris that are in the way.

If the auger hits a stone or hard ground it may stop rotating and kick back. It is therefore important to stand firm and hold the machine securely.

Remove sand and debris from the auger and check for damage before drilling a new hole.

Switch off the engine (Fig. 8)

Release the throttle and push the ON/OFF switch to the "OFF" position. (Fig. 8)



Figure 8 – ON/OFF switch

Maintenance:

PLEASE NOTE: Make sure that the engine is switched off and the spark plug has been removed before maintenance is carried out.

Always wear sturdy gloves when replacing drill points or blades as they can be very sharp.

All rotating and moving parts should be regularly greased.

If the housing needs to be cleaned, do so with a soft cloth. Use only mild detergent, not alcohol, petrol or other substances.

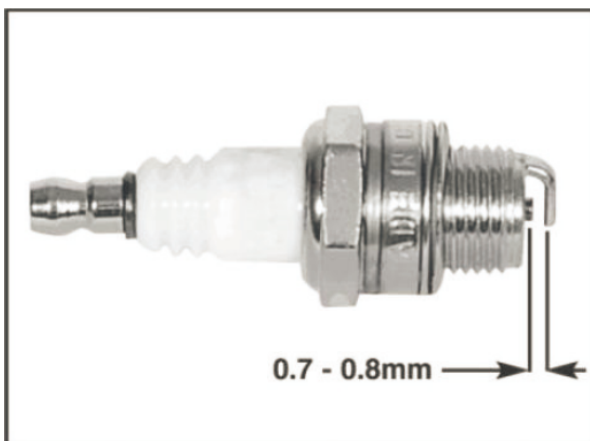
Do not use corrosive substances for cleaning plastic parts.

Spark plug (Fig. 9)

After 10 hours of use.

The spark plug must be removed after every 10 hours of use. Check the colour of the dirt on the end of the spark plug, it should be a tan colour. Remove all the dirt with a wire brush.

Check the electrode gap and adjust if necessary.



The correct distance is 0.7 to 0.8 mm (Fig. 9).

Air filter (Fig. 10)

After 4 hours of use.

The air filter must be removed, checked and cleaned after every 4 hours of use.



Figure 10 – Air filter

Remove the air filter cover and take out the air filter. Clean the filter thoroughly with an environmentally-friendly degreaser. When the filter has dried out again, moisten it a little with engine oil. Squeeze the filter to remove any excess oil. Replace the filter and close the air filter cover.

PLEASE NOTE! Never run the engine without the air filter.

Storage

If the earth auger is not being used or has to be stored for more than one month, follow the procedure below.

1. Drain all fuel from the tank and carburettor; no fuel must be left in the system.
2. Remove the spark plug and pour approximately one tablespoon of oil in the spark plug gap. With the ON/OFF switch to "OFF", pull the pull starter a few times gently. Replace the spark plug and pull the pull cord until you feel resistance. Then stop pulling.
3. Store the earth auger in a dry, well-ventilated place. Cover the machine so that no dust or other dirt can accumulate in the machine.

Disposal instructions

Old petrol machinery can be recycled so you should not dispose of it with your household waste! Please take the machine to the collection points provided (e.g. at your municipal waste treatment site or local waste disposal site) at the end of its useful life.

Troubleshooting

Fault	Cause	Solution
Engine will not start	Spark plug or spark plug wire defective	Check wiring, spark plug and spark plug wire and replace if necessary.
	Fuel supply	Tank contents, check fuel line for kinks or damage.
Engine not running at full power.	Mechanical fault > starter does not engage and engine does not start.	Contact specialist dealer. > Spring in starter mechanism « broken, broken parts in the engine.
	Carburettor not adjusted properly	Adjust carburettor or contact specialist dealer
	Exhaust clogged.	Contact specialist dealer
Engine starts but then stops again straight away.	Air filter clogged or very dirty or broken.	Clean air filter and replace if necessary.
	Choke setting.	Check and set the correct position.
	Fuel line.	Check for damage or clogging.
	Start/stop button in the wrong position or damaged.	Set the correct position or if faulty contact a specialist dealer.

If these measures do not solve the problem or if there are other faults not shown here, do not hesitate to contact EuroGate International or your dealer.

Technical specifications

Model	EGI-EJ520					
Engine model	4-stroke, one cylinder, petrol engine					
Cylinder capacity	35 cc					
Rotations per minute	0 to 350					
Fuel	Aspen 4 / E5					
Oil sump capacity	100 ml					
Fuel tank capacity	0.53 L					
Gearbox capacity	250 ml					
Gearbox grease	Interflon MP2/3					
Starting	Pull starter					
Air filter	Foam filter					
Noise level when idling	75 dB(A)					
Noise level at full throttle	103 dB(A)					
Weight of machine	11.5 kg (excl. auger)					
Measured sound pressure level (LpA)	89 dB(A)					
Measured sound power level (LwA)	98 dB(A)					
Measured value for hand-arm vibration	11.0 m/s ²					
Augers	80x800 mm	100x800mm	150x800mm	200x800mm	250x800mm	300x800mm
Art. number	EJ520-80	EJ520-100	EJ520-150	EJ520-200	EJ520-250	EJ520-300
Auger weight	?	?	?	?	?	?

The noise level may exceed 85dB(A), therefore ear defenders are required.

Wear anti-vibration work gloves

EGI contact details

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EC declaration of conformity

We, EuroGate International
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hereby declare that the machine described below, on the basis of its design and construction and the version placed on the market by us, complies with the relevant fundamental health and safety requirements of the EC Directives.

Description: **Petrol earth auger machine**

Machine model: **EJ520**

Trademark: **EGI**

Consumption/cylinder capacity **35 CC**

Relevant EC Directives EC Machinery Directive (2006/42/EG)
EC Directive on Electromagnetic Compatibility (EMC)

Manufacturer's signature


C.P.M. Jansen

Manufacturer's stamp


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