

# **VEVOR<sup>®</sup>**

## **TOUGH TOOLS, HALF PRICE**

Technical Support and E-Warranty Certificate [www.vevor.com/support](http://www.vevor.com/support)

## **TILLER CULTIVATOR**

## **USER MANUAL**

We continue to be committed to provide you tools with competitive price.

"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

# VEVOR<sup>®</sup>

TOUGH TOOLS, HALF PRICE

TILLER CULTIVATOR

520S



## NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

**Technical Support and E-Warranty Certificate**  
**[www.vevor.com/support](http://www.vevor.com/support)**

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

## **1. SAFETY WARNINGS**

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- The machine shall always be used in accordance with these manufacturer's instructions the instruction handbook.
- The engine shall be stopped when carrying out maintenance and cleaning operations, when changing tools and when being transported by means other than under its own power.
- Some hazards can be met when working on slopes; work slowly by holding firmly the tool. Do not transport the tool on slopes. The hazards can rise when working on difficult soil (stony, hard, etc.). There is a risk to hit some objects, sliding, lose control for the machine which will gives damages. Always inspect the working area before working, and always watch what you are doing.
- The adjustable part of the protective device shall be adjusted to the working depth of the tool so that only that part of the working tool that cuts into the soil remains uncovered. This does not apply to motor hoes.
- The machine should only be operated by suitably trained persons.
- During the operation of the machine safety shoes should be worn.
- Always start up the machine under normal conditions.

### **1) Training**

- a) Read the instructions carefully. Be familiar with the controls and the proper use of the equipment;
- b) Never allow children or people unfamiliar with these instructions to use the machine. Local regulations can restrict the age of the operator;
- c) Never work while people, especially children, or pets are nearby;
- d) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

### **2) Preparation**

- a) While working, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals;

- b) Thoroughly inspect the area where the equipment is to be used and remove all objects which can be thrown up by the machine;
- c) WARNING – Petrol is highly flammable:
  - Store fuel in containers specifically designed for this purpose;
  - Refuel outdoors only and do not smoke while refuelling;
  - Add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol while the engine is running or when the engine is hot;
  - If petrol is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until petrol vapours have dissipated;
  - Replace all fuel tank and container caps securely;
- d) Replace faulty silencers;
- e) Before using, always visually inspect to see that the tools are not worn out or damaged. Replace worn out or damaged elements and bolts in sets to preserve balance.

### **3) Operation**

- a) Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect;
- b) Work only in daylight or in good artificial light;
- c) Always be sure of your footing on slopes;
- d) Walk, never run with the machine;
- e) For wheeled rotary machines, work across the slopes, never up and down;
- f) Exercise extreme caution when changing direction on slopes;
- g) Do not work on excessively steep slopes;
- h) Use extreme caution when reversing or pulling the machine towards you;
- i) Do not change the engine governor settings or over speed the engine;
- j) Start the engine carefully according to manufacturer instructions and with feet well away from the tool(s);
- k) Do not put your hands or feet near or under rotating parts;

- l) Never pick up or carry a machine while the engine is running;
- m) Stop the engine:
  - Whenever you leave the machine;
  - Before refueling;
- n) Reduce the throttle setting during engine shut down and, if the engine is provided with a shut-off valve, turn the fuel off at the conclusion of working;

#### **4) Maintenance and storage**

- a) Keep all nuts, bolts and screws tight to ensure the equipment is in safe working condition;
- b) Never store the equipment with petrol in the tank inside a building where fumes can reach an open flame or spark;
- c) Allow the engine to cool before storing in any enclosure;
- d) To reduce the fire hazard, keep the engine, silencer and petrol storage area free of vegetative material and excessive grease;
- e) Replace worn or damaged parts for safety;
- f) If the fuel tank has to be drained, this shall be done outdoors.

#### **Thrown Object Hazard**

Objects hit by the rotating tines can be thrown from the tiller with great force and may cause severe injury.

1. Before tilling, clear the tilling area of sticks, large stones, wire, glass etc.
2. Pieces thrown from worn or damaged-tines can cause serious injury. Always inspect the tines before using the tiller.

#### **Fire and Burn Hazard**

Gasoline is extremely flammable and gasoline vapor can explode. Use extreme care when handling gasoline. Keep gasoline out of reach of children.

1. Refuel in a well-ventilated area with the engine stopped.
2. Allow the engine to cool before refueling. Fuel vapor or spilled fuel may be ignited.

3. The engine and exhaust system becomes very hot during operation and remains hot after stopping. Touching them can cause burn injuries or some materials burn.
4. Avoid touching a hot engine or exhaust system.
5. Allow the engine to cool before performing maintenance or storing the tiller indoors.

## **Carbon Monoxide Poisoning Hazard**

Exhaust contains poisonous carbon monoxide a colorless and odorless gas. Breathing exhaust can cause loss of consciousness and may lead to death.

## **Operation on Slope**

1. When tilling on slopes, keep the fuel tank with less than half oil to minimize fuel spillage.
  2. When the tiller walks across the slope, put your effort evenly while walking up and down the slope.
  3. Be very careful when changing the direction of the tiller on a slope.
  4. Do not use the tiller on a slope of more than 10°.
  5. The maximum safe grade angle shown is for reference only and the details should depend on the type of the tool. Before starting the engine, check that the tiller is not damaged and in good condition.
- For your safety or safety of others, pay special attention when using the tiller up or down hill.

## **Symbols**



Read the instruction manual before use



Caution: rotating working tool



The part is extremely hot! Do not touch!



Wear protective equipment: helmet, hearing and ocular protection



Keep bystanders away



Risk of projections



Wear protective gloves



Wear safety shoes



Guarantee noise level



Hot surface



No naked flames



Be sure the machine is in stability when leaving



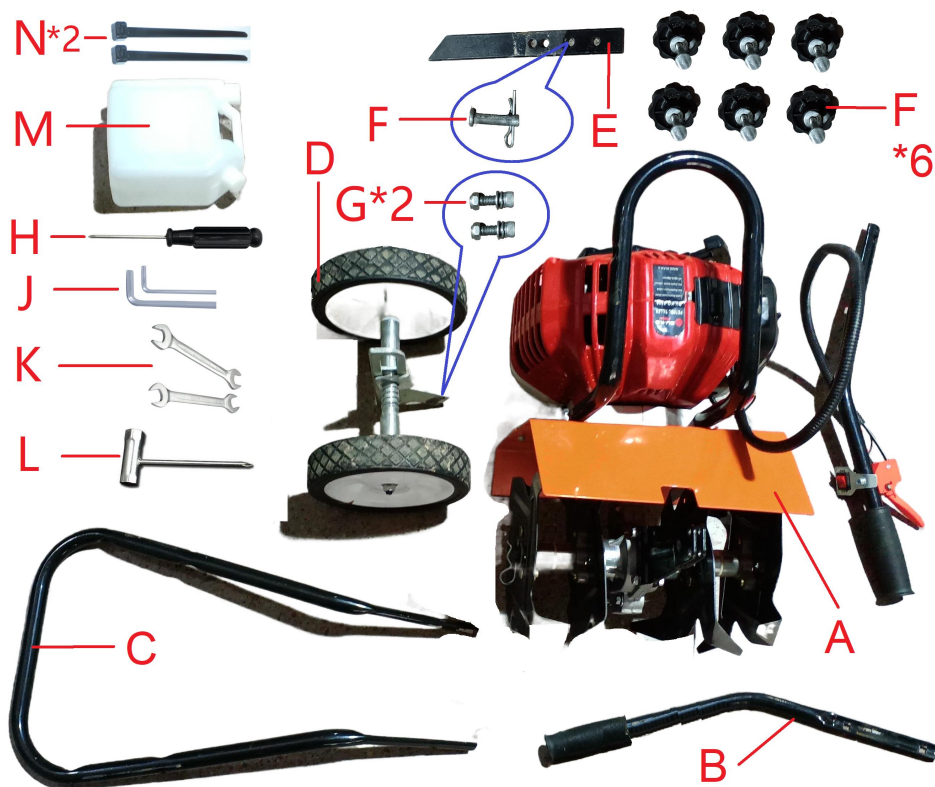
Do not use cutting blades

## Intended use

This device is to be used only as an electric hoe for aerating lawns and grassy areas in private home gardens and pleasure gardens. It is not intended for use in public spaces, parks, sports fields, agriculture or forestry. Use of this device for any other purpose is considered incorrect and unapproved. The manufacturer will not be responsible for any damage or injury resulting from such use. The user is fully responsible for all related risks.

## 2. PART LIST

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### 3. PART VIEW

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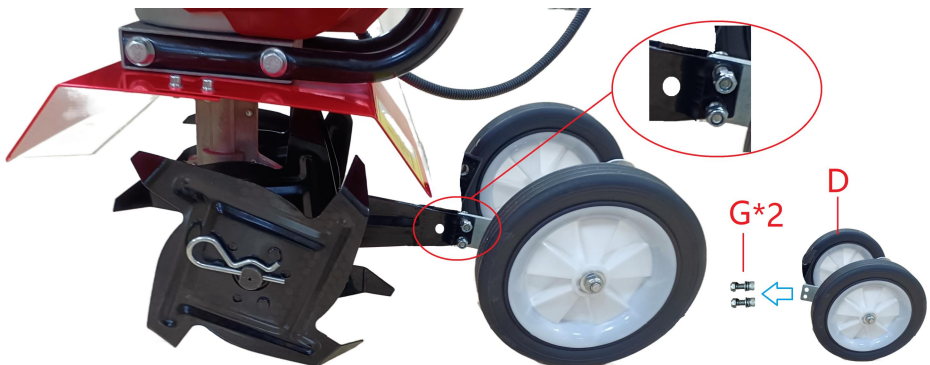


### 4. ASSEMBLY

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#### a. Wheel assembly(D) mounting

Remove the screws and nuts(G\*2) from the wheel assembly(D) first. Align the wheels with the body card slots, and then use crews and nuts(G\*2) to secure the wheel assembly.



## b. Adjust depth skid assembly

Remove the pin; change the position of the depth skid. Then add the pin to fix the depth skid.

**The cutter head has four holes and can be adjusted to different depths.**



## c. Mounting Bracket





## 5. Refuelling



**Use 2-stroke oil, regular unleaded petrol.**

**Do not use pure petrol or the fuel/oil mixture rate above 40:1.**

A. Shut off the engine during refuelling, keep well away from open flame and do not smoke.

B. Avoid skin contact with petroleum products. Do not inhale fuel vapor. Always wear protective gloves during refuelling. Change and clean protective clothing at regular intervals.

C. Take care not to spill either fuel or oil in order to prevent soil contamination (environmental protection).

D. Avoid any fuel contact with your clothing. Change your clothing immediately if fuel has been spilled on it (fire hazard).

E. Inspect the fuel cap at regular intervals making sure that it stays securely fastened.

F. Never refuel in closed rooms. Fuel vapors accumulate at ground

level (risk of explosions).

G. Only transport and store fuel in approved containers. Make sure stored fuel is not accessible to children.

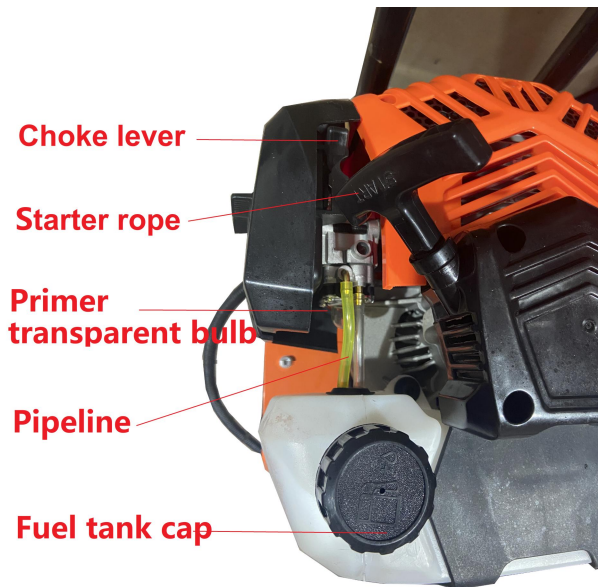
H. Do not attempt to refuel a hot or a running engine.



**WARNING!** Adding fuel must be carried out carefully away from heat sources and naked flames. Do not smoke when adding fuel.

**NOTE: Dispose of the old fuel/oil mix in accordance to local regulations.**

- Mix thoroughly oil and fuel in a bottle.
- Open the fuel tank. Fill the tank. Avoid spillage.
- Close the fuel tank. Wipe any spillage.




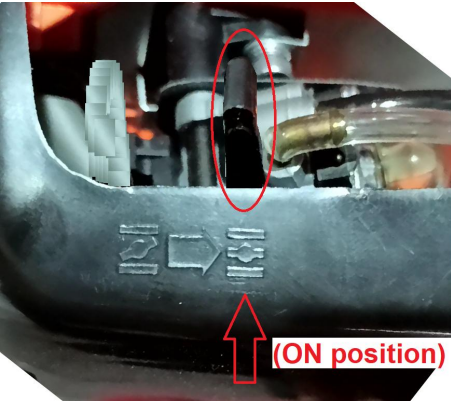

## 6. OPERATION



**WARNING** | To prevent serious injury, never pick-up or carry the tiller while the engine is running. Always switch off before each use and before moving to another area.

### a) Cold starting

1		Set the STOP/START (OFF/ON) switch on the right handlebar to the START position.
2		Set the choke lever to cold start position (OFF position).
3		Press the primer transparent bulb 6 times until you see the fuel flowing from the tank to the carburetor through the transparent hose.

4		<p>Pull the starter rope briskly! Repeat if necessary until started.</p>
5		<p>Move the choke lever to the RUN position (ON position).</p>
6		<p>Pull the starter again until the engine running.</p>

## **b) Hot starting**

- Exactly the same process as from cold except keep the choke in the run position. With the engine running and the tines off the ground, pull up the throttle control lever to increase the engine speed.

## **c) Use**

Hold both handlebar grips firmly, slowly lower the cultivator until the tines make contact with the ground, As the tines rotate on the soil, begin to pull back on the tiller so that the tines can penetrate the ground. Once the ground has been broken, continue at a moderate pace until you are familiar with the controls and the handling of the cultivator.

- Pull the machine backwards to improve the depth of cultivation and reduce your effort.

## **7. MAINTENANCE AND STORAGE**

### **TRANSPORTING THE MACHINE**

1. Never transport the tiller inside an enclosed space or vehicle. Fuel or fuel vapour may ignite causing serious injury.
2. If fuel is present in the fuel tank, transport on an open vehicle in an upright position.
3. If an enclosed vehicle must be used, then remove the fuel into an approved fuel container. **DO NOT siphon by mouth.**
4. Run engine to use up the fuel in the carburetor and fuel tank. Always run engine in well ventilated areas.
5. Wipe away any spilled fuel. Allow to dry.
6. Ensure the fuel cap is fitted tightly before transportation.

### **GENERAL CLEANING**

1. Turn off the engine and disconnect the spark plug prior to maintenance operations.
2. Allow the engine and exhaust system to cool to avoid burns from contacting with hot parts.



- 3. It is important to keep safety gloves in the event that you need to manipulate the blades.
- 4. Wipe the dirt things on the machine.
- 5. Remove the fuel from tiller if this is to be stored for longer than a month.
- 6. It is appropriate to check that all bolts and nuts have not been loosened after each session.
- 7. The guard should be fixed after assembling and it should not be removed or adjusted during use and maintenance.

**MAINTENANCE AND REPAIR INSTRUCTIONS**

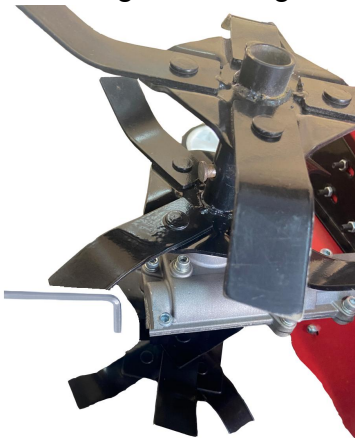
**MAINTENANCE SCHEDULE**

Perform these required maintenance procedures at the frequency stated in the table. These procedures should also be a part of any seasonal tune-up.

FREQUENCY	MAINTENANCE REQUIRED
Every 10 hours	Clear and re-oil air filter
Every 25 hours	Check spark plug condition and gap

**BODY MAINTENANCE:**

- 1. Every one or two hours, or after oil has been added, check and ensure all screws are tight.
- 2. Every 2 hours add lubricating oil to the gear box.





3. If the tines gets damaged, then replace or repair immediately.



**WARNING:** To prevent serious injury, never perform maintenance or repairs to a hot engine.

## **CLEANING THE AIR FILTER**

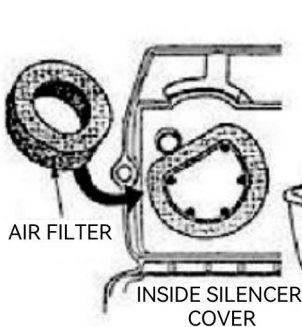
**Clean and re-oil the air filter every ten hours of operation.**  
**It is vitally important item to maintain.**

Remove the sponge filter from inside.

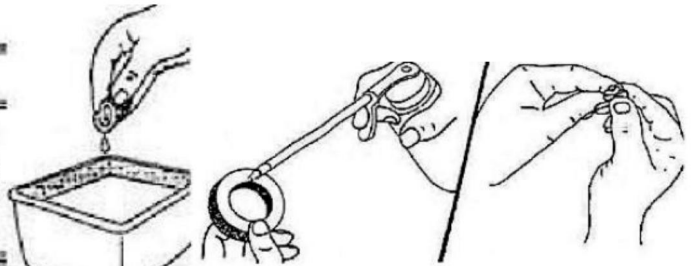
Wash the filter in detergent and water (Fig. 10). Rinse the filter thoroughly. Squeeze out excess water and allow it to dry completely.

Apply enough SAE 3D oil to lightly coat the filter (Fig. 11). Squeeze the filter to spread and remove extra oil (Fig. 11). Replace the air filter and cover and securing screw.

**NOTE:** Operating the machine without the air filter and cover assembly will VOID the warranty.



**Figure 10**



**Figure 11**

## **ADJUSTING IDLE SPEED**



After checking and cleaning the air filter if necessary, start the engine and let it run for 2-3 minutes to warm up.

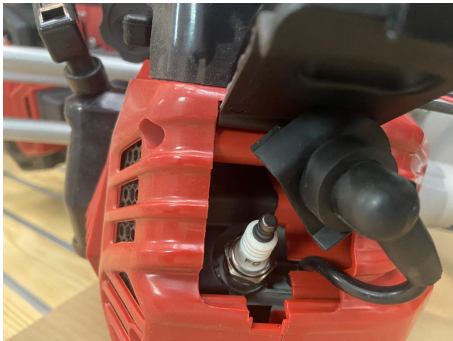


Release the throttle lever and allow the engine to idle. If the engine cuts out (will not idle), turn the adjuster clockwise 1/8th of a turn at a time until the engine idles smoothly.


**NOTE:** Tines must not be rotating on idle. If they do, turn the adjustment screw anti-clockwise a tiny amount.

**Replacing the Spark Plug**

Remove the plug after every 25 hours of operation to check its condition.

a		<p><b>Stop the engine and allow it to cool. Use a tool to open the black plastic cover.</b></p>
b		<p><b>Expose the silicone boot that protects the spark plug</b></p>

c		<p><b>Remove the silicone sleeve that protects the spark plug.</b></p>
d		<p><b>Loosen the nut counterclockwise with a spark plug sleeve(L).</b></p>
e		<p><b>On no account allow dirt to enter the cylinder when the spark plug is removed.</b> <b>We suggest filling the plughole using a small piece of clean rag.</b></p>

f		<p><b>Tighten using the wrench taking care not to over-tighten.</b></p>
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## **STORAGE**

Allow the engine to cool before storing. To be stored in a well-ventilated and dry area that out of the reach of children.

### **Long Term Storage**

- a) Drain any fuel left in the tank into a container and dispose of considering local bylaws.
- b) Start and run the engine until it stalls. This ensures all fuel has been used from the carburetor.
- c) Allow the engine to cool and remove the spark plug.
- d) Put 30ml of high quality motor oil into the cylinder. Slowly pull the starter to distribute the oil.
- e) Re-install the spark plug.

#### **NOTE:**

When re-starting after prolonged storage, be sure to drain all the oil out from the cylinder first!

## 8. SPECIFICATIONS

Model:	520S
Engine:	2-stroke combustion engine
Displacement:	43 cm <sup>3</sup>
Rated output power:	1.25 kW
Speed:	7500/min
Max speed:	8500/min
Fuel tank:	1.26 L
Working width:	25 cm
Working depth:	120 mm
Cutter thickness:	2.1 mm
Weight:	17.75kg
External dimensions:	495x375x475MM
Sound pressure level (LpA):	101dB K =3.26 dB
Sound power level (LWA):	105.4 dB K = 3.26 dB
Guarantee sound power level:	111 dB
Vibration: left handle / right handle:	7.102 m/s <sup>2</sup> , K = 1.5 m/s <sup>2</sup>

## 9.DECLARATION OF CONFORMITY

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# DECLARATION OF CONFORMITY

Declares that in the machine:  
Gasoline Tiller

In accordance with the following applicable directives.

### The Machinery directive 2006/42/EC

The device, as described herewith, was tested pursuant to applicable test procedure and complies with the requirements of:

EN 709:1997/A4:2009  
EN 14910:2007/A1:2009  
EK9-BE-98(v2):2020  
AIPS GS 2019:01 PAK

Applicant: Zhejiang TOPWE Tools manufacturing Co., Ltd  
No.3 Building No.133 North Yingui Road, Xicheng street, Yongkang Jinhua City, Zhejiang Province, China

Manufacturer: Zhejiang TOPWE Tools manufacturing Co., Ltd  
No.3 Building No.133 North Yingui Road, Xicheng street, Yongkang Jinhua City, Zhejiang Province, China

Product: Gasoline Tiller

Model Number: S52-1, S52-B, S52-C, 520S

The tests were performed in normal operation mode. The test results apply only to the particular sample tested and to the specific tests carried out.  
This certificate applies specifically to the sample investigated in our test reference number only.  
The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation.  
Other relevant directives have to be observed.



A handwritten signature in black ink, appearing to read 'Anthony', is written over a light blue grid background.

**Manufacturer:**Shanghaimuxinmuyeyouxiangongsi  
**Address:** Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, shanghai 200000 CN.  
**Imported to AUS:** SIHAO PTY LTD. 1 ROKEVA STREETEASTWOOD NSW 2122 Australia  
**Imported to USA:** Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

EC	REP
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E-CrossStu GmbH  
Mainzer Landstr.69, 60329 Frankfurt am Main.

UK	REP
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C/O YH Consulting Limited Office 147, Centurion House,  
London Road, Staines-upon-Thames, Surrey, TW18 4AX

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