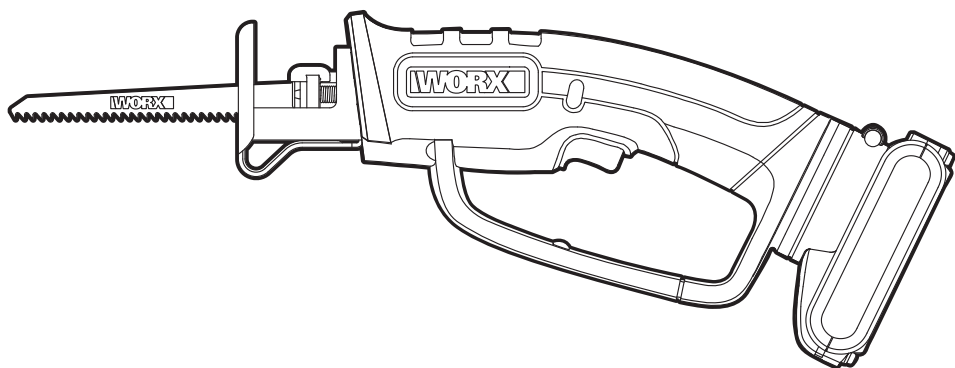


WORX



SAFETY AND OPERATING MANUAL

ORIGINAL INSTRUCTIONS


Cordless Li-Ion handy saw WG894E WG894E.X



PRODUCT SAFETY

GENERAL POWER TOOL

SAFETY WARNINGS

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

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.

1) Work area safety

- a) **Keep work area clean and well lit.**
Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.

2) Electrical safety

- a) **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.
- b) **Avoid body contact with earthed 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.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **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.
- e) **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.

- f) **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.

3) Personal safety

- a) **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.
- b) **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.
- c) **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 energising power tools that have the switch on invites accidents.
- d) **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.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery.** Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related

hazards.

- h) 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.
- 4) Power tool use and care**
- a) 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.
- b) 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.
- c) Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) 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.
- e) 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.
- f) Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) 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.

- h) 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.
- 5) Battery tool use and care**
- a) 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.
- b) Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c) 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.
- d) 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.
- e) 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.
- f) Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- g) 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.
- 6) Service**
- a) 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.

- b) Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

RECIPROCATING SAW SAFETY WARNINGS

- 1. Hold reciprocating saw by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- 2. Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body leaves it unstable and may lead to loss of control.

SAFETY WARNINGS FOR BATTERY PACK

- a) Do not dismantle, open or shred cells or battery pack.**
- b) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** 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.
- c) Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- d) Do not subject battery pack to mechanical shock.**
- e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area**

- with copious amounts of water and seek medical advice.**
- f) Keep battery pack clean and dry.**
- g) Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
- h) Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
- i) Do not maintain battery pack on charge when not in use.**
- j) After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
- k) Recharge only with the charger specified by Worx. Do not use any charger other than that specifically provided for use with the equipment.**
- l) Do not use any battery pack which is not designed for use with the equipment.**
- m) Keep battery pack out of the reach of children.**
- n) Retain the original product literature for future reference.**
- o) Remove the battery from the equipment when not in use.**
- p) Dispose of properly.**
- q) Do not mix cells of different manufacture, capacity, size or type within a device.**
- r) Keep the battery away from microwaves and high pressure.**

SYMBOLS



To reduce the risk of injury, user must read instruction manual.



Warning



Wear eye protection



Wear ear protection



Wear dust mask



Do not expose to rain or water



Do not burn

6

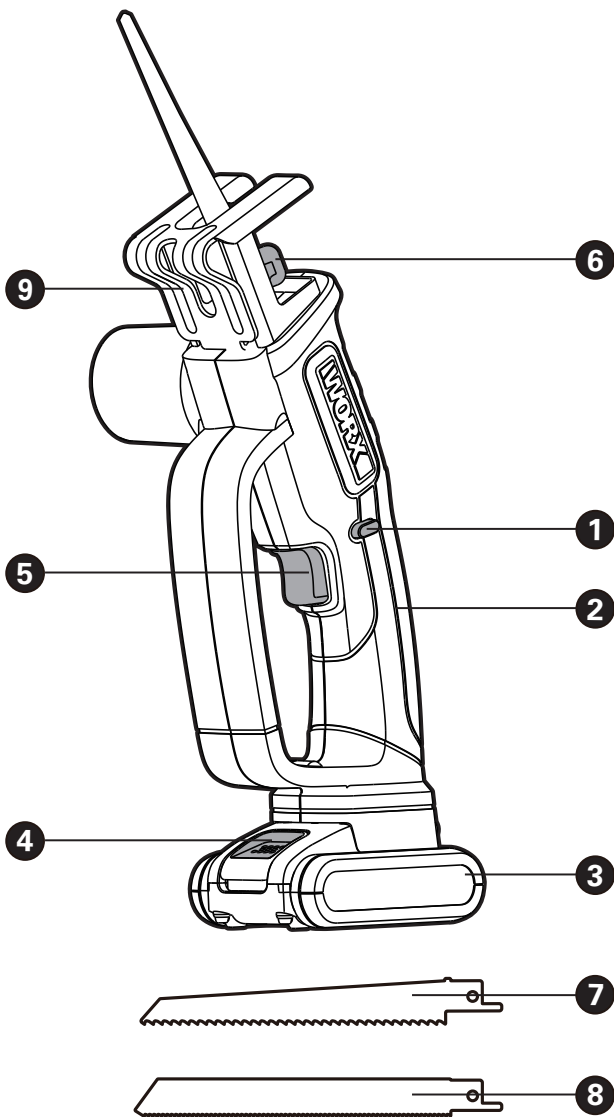


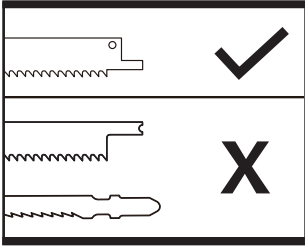
Li-Ion

Do not dispose of batteries. Return exhausted batteries to your local collection or recycling point.

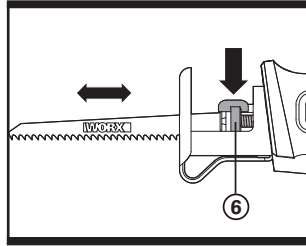


Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

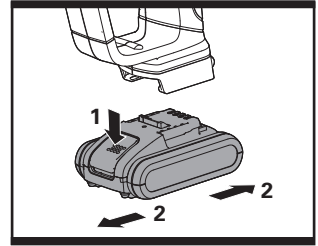




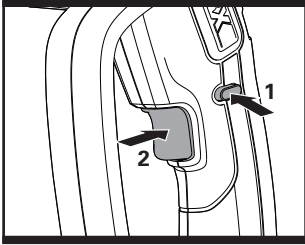
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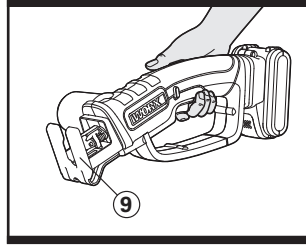
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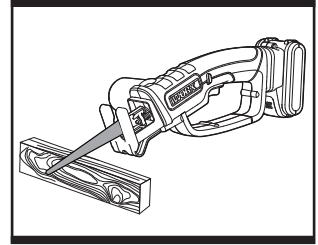
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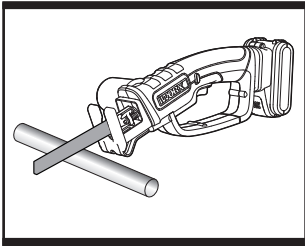
D



E



F1



F2


8

- 1. LOCK-OFF BUTTON**
- 2. HANDLE**
- 3. BATTERY PACK**
- 4. BATTERY PACK RELEASE LATCH**
- 5. ON/OFF SWITCH**
- 6. TOOL-FREE BLADE CLAMP LEVER**
- 7. PRUNING BLADE ***
- 8. BI METAL BLADE ***
- 9. STEEL BASE**

***Not all the accessories illustrated or described are included in standard delivery.**

TECHNICAL DATA

Type **WG894E WG894E.X** (890-894 designation of machinery, representative of Handy Saw)

		WG894E WG894E.X**
Voltage		20V  Max***Lithium
No load speed		2200/min
Stroke length		16mm
Max. cutting capacity	Wood	Ø60mm
	Steel	Ø10mm
Machine weight (bare tool)		1kg

** X=1-999, A-Z, M1-M9 there are only used for different customers, there are no safe relevant changes between these models.

*** Voltage measured without workload. Initial battery voltage reaches maximum of 20 volts. Nominal voltage is 18 volts.

NOISE INFORMATION

A weighted sound pressure L_{pA} : 84dB(A) K_{pA} : 3.0dB(A)

A weighted sound power L_{wA} : 95dB(A) K_{wA} : 3.0dB(A)

Wear ear protection.




VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 62841:

Cutting boards	Vibration emission value $a_{h,B}=10.60\text{m/s}^2$
	Uncertainty $K=1.5\text{m/s}^2$
Cutting wooden beams	Vibration emission value $a_{h,WB}=11.76\text{m/s}^2$
	Uncertainty $K=1.5\text{m/s}^2$

The declared vibration total value and the declared noise emission value have been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value and the declared noise emission value may also be used in a preliminary assessment of exposure.

 **WARNING!** The vibration and noise emissions during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used especially what kind of workpiece is processed dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.


The tool being in good condition and well maintained.

The use of the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles and if any anti vibration and noise accessories are used.

And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

 **WARNING:** To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Helping to minimise your vibration and noise exposure risk.

Always use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

If the tool is to be used regularly then invest in anti vibration and noise accessories.

Plan your work schedule to spread any high vibration tool use across a number of days.

SUGGESTED BATTERIES AND CHARGERS

Category	Type	Capacity
20V Battery	WA3551.1	2.0Ah
	WA3551	2.0Ah
20V Charger	WA3760	0.4A
	WA3860	2.0A
	WA3772	2.0A
	WA3880	2.0A
	WA3869	2.0A
	WA3883	4.0A

We recommend that you purchase your accessories from the same store that sold you the tool. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

OPERATING INSTRUCTIONS



NOTE: Before using the tool, read the instruction book carefully.

INTENDED USE:

The machine is intended for sawing wood, plastic, soft metal and building materials while resting firmly on the workpiece.

ASSEMBLY

REPLACING/INSERTING THE SAW BLADE

Remove the battery pack from the socket before carrying out any adjustment, servicing or maintenance.

When mounting the saw blade, wear protective gloves. Danger of injury when touching the saw blade. When changing the saw blade, take care that the saw blade holder is free of material residue, e. g. wood or metal shavings.

1. SELECTING A SAW BLADE (See Fig. A)

NOTE: Only use maximum blade lengths specified in table below for the intended purpose of application. Failure to adhere

to this advice will result in damage to the product and void of warranty.

	Typical application
Pruning blade (152mm, 6TPI, 65Mn)	Garden limbs, etc.
Bi metal blade (152mm, 18TPI, HSS)	Metals and wood ,etc.

2. INSERTING A SAW BLADE (See Fig. B)

Remove the battery pack from the socket before carrying out any adjustment, servicing or maintenance.

Pull down the tool-free blade clamp lever (6), Insert the blade shank into the blade holder until it stops. Release the clamp lever (6) to lock the blade (7/8) in position.

Check the tight seating of the saw blade.

A loose saw blade can fall out and lead to injuries.

3. REMOVING A SAW BLADE (See Fig. B)

To remove a blade, depress the clamp lever, pull out the blade.

CHARGING



WARNING: The charger and battery pack are specially designed to work together so do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because of an electrical failure and hazard will occur.

Your battery pack is UNCHARGED and you must charge once before use

The battery charger supplied is matched to the Li-Ion battery installed in the machine. Do not use another battery charger.

1. CHARGING YOUR BATTERY PACK

The Li-Ion battery is protected against deep discharging. When the battery is empty, the machine is switched off by means of a protective circuit. In a warm environment or after heavy use, the battery pack may become too hot to permit charging. Allow time for the battery to cool down before recharging.

2. TO REMOVE OR INSTALL BATTERY PACK (See Fig. C)

Depress the battery pack release button to release and slide the battery pack out from your tool. After recharge, slide it back into your tool. A simple push and slight pressure will be sufficient.


OPERATION

1. SAFETY ON/OFF SWITCH (See Fig. D)

Your switch is locked off to prevent accidental starting. Depress the lock-off button (1) then the on/off switch (5) and release lock-off button (1). Your switch is now on. To switch off just release the on/off switch.

2. WORKING INSTRUCTIONS

NOTE: Hold the machine away from yourself. Stand in a secure and stable position.

 **WARNING: Always clamp and support workpiece securely. Do not touch blade to workpiece until saw reaches full operating speed.**

HOW TO GRASP YOUR WORX HANDY SAW

Grasp your Worx Handy saw as shown in Fig E, for best control of the tool and comfortable use as a reciprocating saw.

GENERAL CUTTING (See Fig. F1, F2)

NOTE:

1. Always use a blade suited to the material and material thickness to be cut. The quality of cut will improve as the number of blade teeth increase.
2. Always ensure the workpiece is firmly held or clamped to prevent movement. Support large panels close to the cut line. Any movement of the material may affect the quality of the cut.
3. The blade cuts on the upward stroke and may chip the uppermost surface or edges of your work piece when cutting, ensure your uppermost surface is a non-visible surface when your work is finished.

OPERATION:

1. Mark the line of cut, clearly before your cutting.
2. Do not force the tool. Place the steel base

(9) firmly on the workpiece while cutting.

Use only enough steady pressure on the blade to keep the saw cutting.

3. Reduce the pressure as the blade comes to the end of the cut.
4. Allow the saw to come to a complete stop when before removing the blade from the workpiece.

TREE TRIMMING

Use wood blade when cutting tree branches.

Hold steel base firmly against tree branch.

Cut close to the branch of the tree to decrease movement of the branch being cut.

METAL CUTTING

Use a finer tooth blade for ferrous metals and a coarse tooth blade for non-ferrous metals.

When cutting thin sheet metals always clamp steel on both sides of the sheet to reduce vibration or tearing of the sheet metal. Do not force the cutting blade when cutting thin metal or sheet steel as they are harder materials and will take longer to cut. Excessive blade force may reduce the life of the blade or damage the motor. To reduce heat during metal cutting, add a little lubricant along the cutting line.

MAINTENANCE

Remove the battery pack from the tool before carrying out any adjustment, servicing or maintenance.

Your tool requires no additional lubrication or maintenance.



There are no user serviceable parts in your tool. Never use water or chemical cleaners to clean your tool. Wipe clean with a dry cloth. Always store your tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust.

For Battery tools

The ambient temperature range for the use and storage of tool and battery is 0°C-45°C.

The recommended ambient temperature range for the charging system during charging is 0°C-40°C.

ENVIRONMENTAL PROTECTION

 Waste electrical products must not be disposed of with household waste. Please  recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

DECLARATION OF CONFORMITY

We,
Positec Germany GmbH
Postfach 32 02 16, 50796 Cologne, Germany

On behalf of Positec declare that the product Description

Worx Cordless Li-Ion handy saw

Type **WG894E WG894E.X (890-894**

designation of machinery, representative of Handy Saw)

Function **Sawing various materials**

Complies with the following Directives,

2006/42/EC

2011/65/EU&(EU)2015/863

2014/30/EU

Standards conform to

EN 62841-1,

EN 62841-2-11,

EN 55014-1,

EN 55014-2

13

The person authorized to compile the technical file,

Name Marcel Filz

Address Positec Germany GmbH

Postfach 32 02 16, 50796 Cologne, Germany



2022/01/27

Allen Ding

Deputy Chief Engineer, Testing & Certification

Positec Technology (China) Co., Ltd

18, Dongwang Road, Suzhou Industrial

Park, Jiangsu 215123, P. R. China

DECLARATION OF CONFORMITY

we,
Positec (UK & Ireland) Ltd.
PO Box 6242, Newbury, RG14 9LT, UK

On behalf of Positec declare that the product

Description

Worx Cordless Li-Ion handy saw

Type **WG894E WG894E.X (890-894
designation of machinery, representative
of Handy Saw)**

Function **Sawing various materials**

Complies with the following regulations:

**Supply of Machinery (Safety) Regulations
2008**

**Electromagnetic Compatibility Regulations
2016**

**The Restriction of the Use of Certain
Hazardous Substances in Electrical and
Electronic Equipment Regulations**

Standards conform to

**BS EN 62841-1
BS EN 62841-2-11
BS EN 55014-1
BS EN 55014-2**

The person authorized to compile the technical
file,

**Name Jim Kirkwood
Address Positec (UK & Ireland) Ltd.,
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2022/01/27

Allen Ding

Deputy Chief Engineer, Testing & Certification

Positec Technology (China) Co., Ltd

18, Dongwang Road, Suzhou Industrial

Park, Jiangsu 215123, P. R. China

Cordless Li-Ion handy saw WG894E WG894E.X





After-sales Service and Application

At www.worx.com you can order spare parts or arrange the collection of a product in need of servicing or repair.

Tel. Service: 0345 202 9679

E-Mail: customerservices@worxtools.com

www.worx.com

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