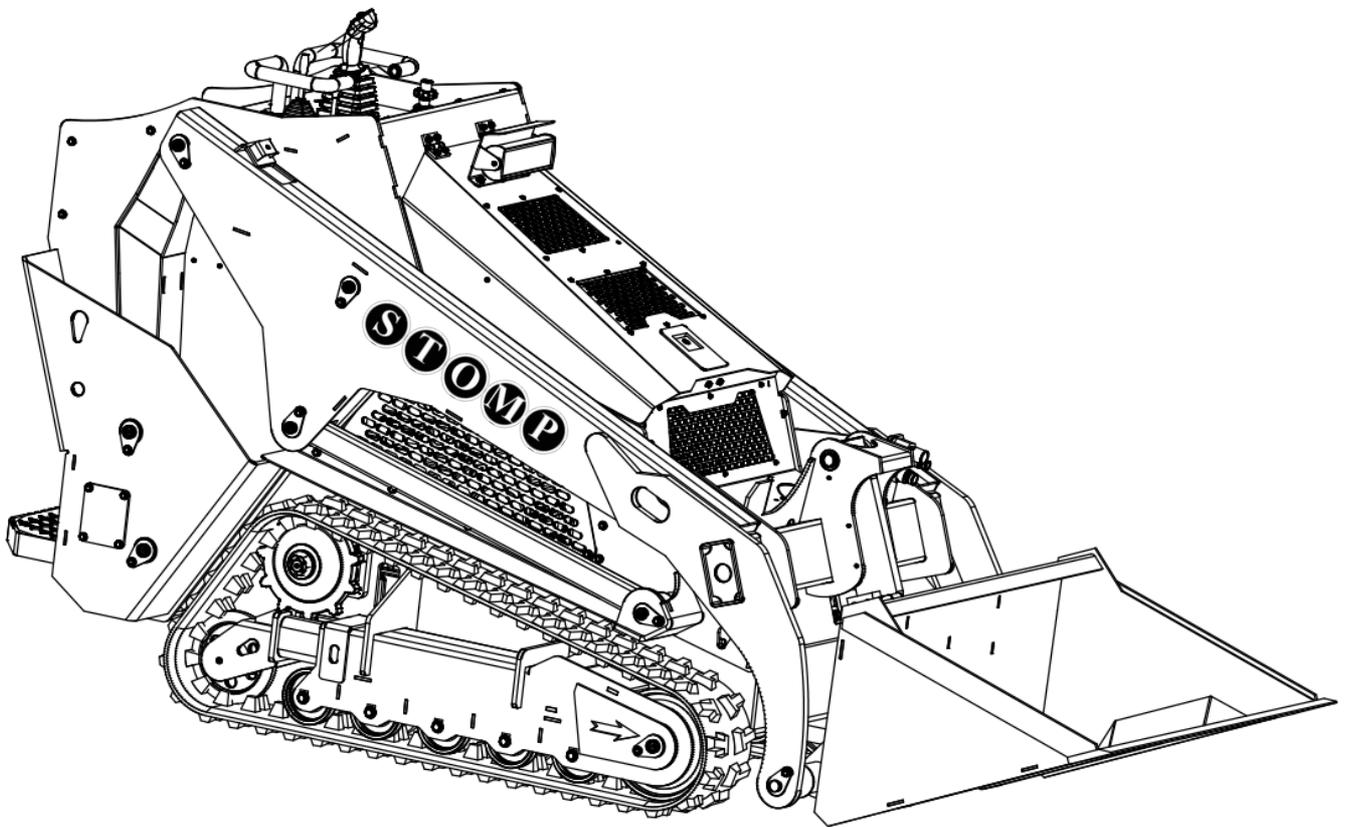


# V1000 Sliding Loader

## Product Introduction Manual

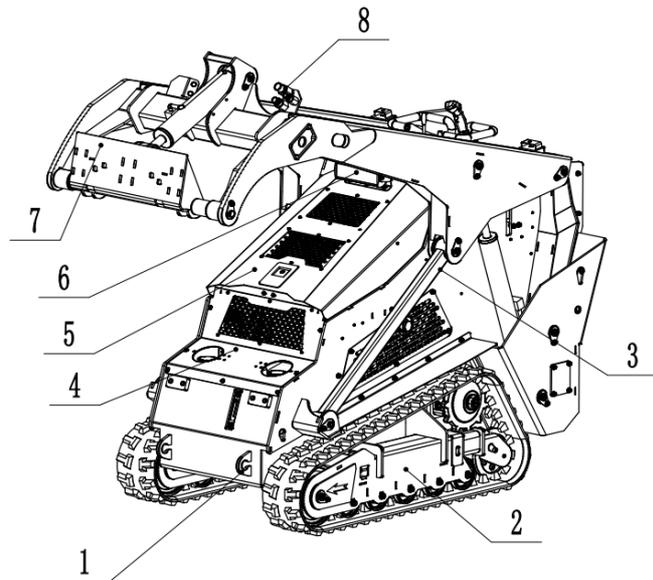


## 1.Expected use

The V1000 is a tracked small loader designed for compact construction work. The V1000 features a quick-connect mounting plate, making it easy for operators to attach various attachments. This loader is designed to operate in the temperatures commonly encountered in earthmoving and construction environments. Specifications may be required for operation under extreme temperatures. Contact your dealer. Any other use is considered to be contrary to its intended purpose. Only those familiar with its particularities and relevant safety procedures can operate, maintain, and repair the V1000.

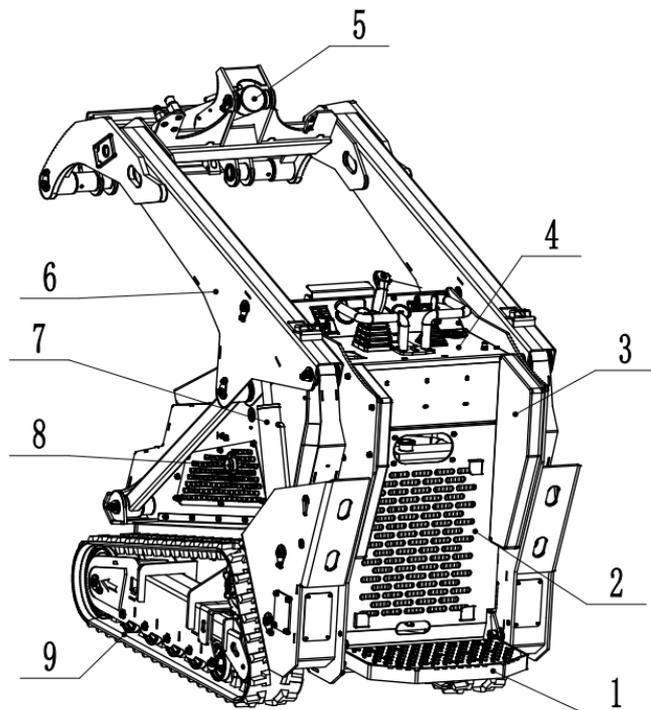
## 2 . Left front view

- 1.Trailer hooks
- 2.Walking wheel assembly
- 3.Big arm link
- 4.Underbody panel of engine compartment
- 5.Engine compartment guard plate
- 6.headlamp
- 7.It belongs to the hanging rack
- 8.It is a linkable device

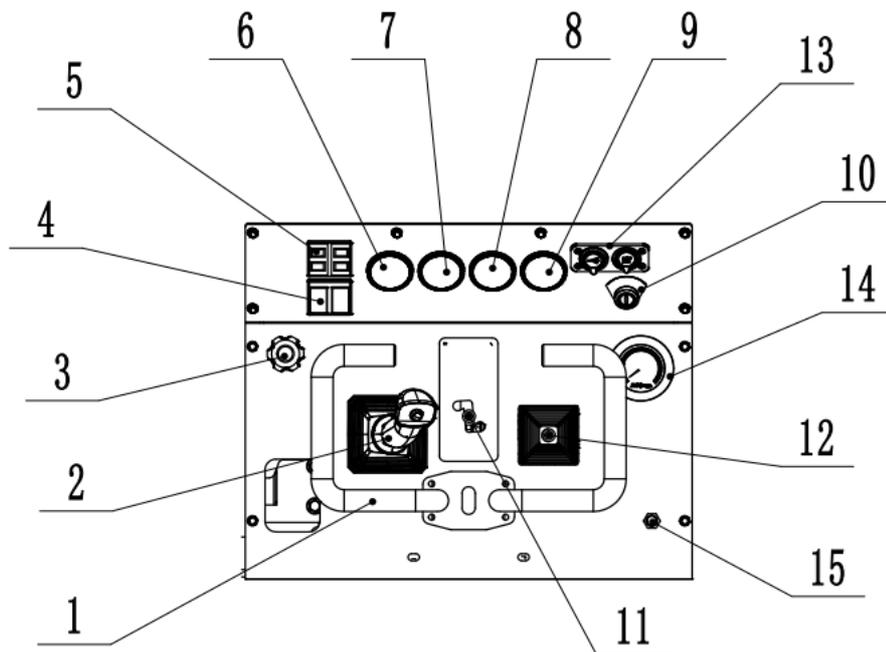


## 3. Left rear view

- 1.Stand on the pedal
- 2.Engine compartment front guard plate
- 3.Soft shield
- 4.Service platform operating platform
- 5.Piercing cylinder
- 6.Big arm
- 7.Upper arm cylinder
- 8.Exhaust funnel
- 9.Track



#### 4. Operation control (analysis)



1. Handrail
2. Pilot handle
3. Pull the throttle lever
4. Light switch
5. Display panel
6. gas tank gage
7. Oil temperature gauge
8. Water temperature indicator
9. Hour meter
10. Ignition switch
11. It has a joystick
12. Operation lever for upper arm hanger
13. Mobile phone charging port
14. Work pressure output indicator
15. Stop the fire rope switch

## 5. Safety rules



Warning: This safety warning symbol indicates important safety information in this manual. When you see this symbol, please read the following information carefully and be alert to the possibility of death or serious injury.

Safe operation is the responsibility of the operator. Safe operation is the responsibility of the operator. Most accidents are caused by operators not following safety rules. If you can be aware of the dangers and pay sufficient attention before an accident occurs, you can avoid it. Read the safety rules carefully when maintaining, operating, and refueling. See below for basic preventive measures and operations under hazardous condition.



**This means to be careful when operating a mini slip loader,**

Have a safe and enjoyable ride



warn

The operator must understand the following operating instructions

\*You are responsible for understanding and maintaining the guidelines and complying with them on relational rules



warn

All warnings are for your safety



\*When operating a small slip loader, incorrect oiling methods can cause danger or serious fatal injury.

\*Do not operate, maintain or add oil to the machine until you fully understand the operation manual.

 This symbol indicates danger. When you see this symbol on a mini slip loader, you must be careful or it will cause danger or fatal injury to the operator and bystanders. The control panel and operating manual are both marked with this symbol. We hope that you are aware of all dangers and can avoid accidents.

Before being delivered to the user, each loader has undergone thorough testing and inspection. You should operate it carefully for the first 100 hours to keep all parts in good condition. Rough handling will shorten the service life or reduce the efficiency of use. For new equipment, you should pay attention to the following: \* **Afte starting, let the machine idle for 5minute.** Avoid operating the loader at full speed.

Avoid rapid starts, rapid acceleration, unnecessary emergency stops or turns. When you replace the filter element, clean the dust and wipe it. If working in a harsh environment, check for all potential hazards. Please check the working hours of the schedule.

 Danger warnings are important, and these symbols are closely related to the safety of the operator.

|   |
|---|
|  warn              |
| Warnings on machines are for your safety, and contrary to warnings, they can cause injury or death. |

|  |
|--|
|  danger   |
| A hazard symbol indicates that there is a danger to the operator or equipment. Contrary to a hazard indication, it can cause serious fatal injury. |

|  |
|--|
|  important<br>significant |
| This symbol indicates that the operator must follow this step to avoid damaging the machine.                 |

## Safety warning signs

Safety warning signs refer to "warning", "danger" and "safety", which indicate many important safety information of the machine. When you see these symbols, you should be aware of the possibility of serious injury or death. Please follow the following safety instructions.

## 6. Operation manual

The loader needs to run for 100 hours in order to fully utilize its capacity. The new loader should follow the following three steps when using it:

| hourage          | load      |
|------------------|-----------|
| Within 10 hours  | About 60% |
| Within 100 hours | About 80% |
| 100 hours later  | 100%      |

|  |
|--|
|  warn       |
| Overuse of machines will deteriorate the condition of the machine and reduce its service life. |

Use it with caution before the first 100 hours.

### Before starting the loader

Read this manual before using the machine.

Keep the steps clean and replace them in time if they are injured.

Before starting the engine, all controlled accessories should be placed in their main positions



Warning: In order to avoid accidents and fatal injuries, operators must read and study this manual carefully before operation. When operating the loader, feet should be on the steps.

### Daily Check

To keep the machine in good working condition, the following checks should be carried out:

Engine cooling system

Tires/tracks

Loose or damaged parts

Safe mark: safety sign

Control panel

Check the liquid height of coolant, engine oil, hydraulic oil and fuel for leakage

Check and add lubricating oil regularly.

Check the instrument and indicator light.

Check whether the machine can work properly.

Add grease to the lubricating oil point every day

Tighten the screw.

### Safe Driving

**Note:** Keep the machine at low load as far as possible to ensure its stability. When the operating arm is loaded, the weight center of the loader will change. Therefore, do not make quick turns or walk on slopes. When walking and making quick turns, always lower the boom to maintain a level ground for loading and turning. While the machine is moving, keep the boom lowered to keep the bucket at a certain distance from the ground to avoid obstacles.



danger

When lifting the upper arm upward, do not start or turn quickly, otherwise the machine will be turned over and cause serious fatal injury. Please operate carefully at low speed.

## 7. Control System

### 1) .Electrical system protector

Turn the power switch handle clockwise to connect the power supply

Turn the power switch handle counterclockwise to disconnect the power supply

### 2) .Engine start

Preparation before engine start: Turn on the power switch, pull the hand throttle up a little, turn the key clockwise, and start the engine

**Note: If the engine does not start, turn the key counterclockwise and wait for a while (about 10-15 seconds), then restart.**

### 3) .Tail-off

When shutting down the engine, push the hand throttle down to the minimum speed state, turn the key counterclockwise, stop the engine, and turn off the power switch.

### 4) .Hand throttle

Move the hand throttle upward to increase engine speed and move the hand throttle downward to decrease engine speed.

Warning: When the hydraulic oil temperature reaches 70 degrees Celsius, the radiator fan will be automatically activated

### 5) Preparation before work

Check the site

Before transporting the equipment, check the site of work. Check the following:

Changes in elevation, such as hills or other open channels;

Obstacles such as buildings, railway crossings or streams;

Signage for public utilities;

traffic condition;

thoroughfare;

Soil type and condition.

Identify hazards: Hazards on the site can lead to death or serious injury. Use the right equipment and work methods. Make it Use and maintain proper safety

#### **Notice:**

Wear personal protective equipment, including safety helmets, safety goggles and hearing protection.

Do not wear jewelry or loose clothing.

All utility notices shall be complied with prior to excavation or drilling.

Confirm the location of previously marked underground hazards.

Mark the site clearly so that the audience is kept away from the site.

**Remember, the work site is classified by hazard, not by the lines being installed.**

## Classify the work site

### Check the work site

Check for underground hazards at the site and around it, etc:

- Notice of "buried public facilities"
- Utility facilities without overhead lines
- Gas meter or water meter
- Connecting box
- Drop box
- Lamppost
- A man with a manhole cover
- The sinking ground
- Have experienced positioning equipment operators sweep within 20 feet (6 meters) on each side of the working path. Verify previously marked lines and cable positions.
- Mark the location of all underground utilities and obstacles.
- Classify the work site.

## Check supplies and prepare equipment

### Supplies

Fuel

Key

Lubricant

Personal protective equipment, such as hard hats and safety glasses

### Fluid level

Fuel

hydraulic fluid

Battery charging

Engine oil

Conditions and functions

Air filter, oil filter, hydraulic oil filter

Tires/tracks

Pump and motor

Hoses and valves

Signs, warnings and shields

### Appendix

If necessary, install a fire extinguisher near the power unit and away from possible ignition points. Fuel and electrical fire extinguishers should always be classified and should comply with legal and regulatory requirements.

## 8. Coupling

### Appendix

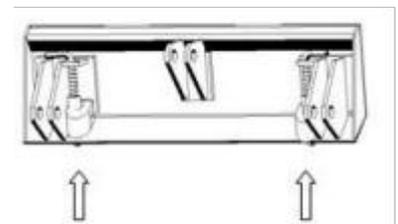
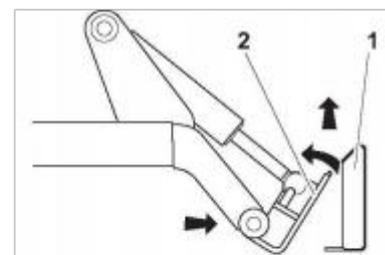
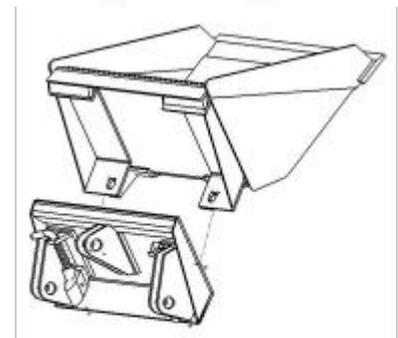
Important: Before connecting the device, make sure that neither the mounting board nor the receiver board is dirty or has debris.

1. Ensure that the lock pin handle on the mounting plate (as shown in the figure) is away from the center of the attachment.

2. Start the engine to fire an engine.

3. Install at an incline.

4. Place the mounting plate on the lip of the receiving plate on the attachment.



5. Lift the lifting arm when tilting the mounting plate. Important note: Sufficient accessories should be lifted To clean the ground. The mounting plate should be completely tilted backward.
  6. Make sure all controls are in neutral.
  7. Turn off the ignition switch and remove the key.
  8. Rotate the locking pin handle toward the center of the mounting plate to secure the accessory to the lifting plate falling-rising tone.
- Note:** To ensure the correct connection, verify its bottom The locking pin can be seen under the attachment receiver plate.

### Hydraulic hose

If the attachment requires hydraulic power to work, connect the hydraulic hose.



**WARNING** Liquid or air pressure can penetrate the skin and cause serious injury or death. Stay away.

### Notice:

1. Escape of pressurized fluid can cause injury or puncture the skin or poisoning.
2. Before disconnecting the hydraulic line, turn off the engine and operate all control devices to release pressure. Lower, block or support any the rising part. Cover the joint with a thick cloth and loosen the joint nut slightly to release the residual pressure.
3. Before using the system, check that all connections are tight and that all lines are undamaged.
4. It's hard to detect a leak. Use a piece of cardboard or wood, not your hand, to look for leaks.
5. Wear protective clothing, including gloves and eye protection.
6. If you are injured, seek medical attention immediately from a doctor familiar with such injuries.



The heated part may cause burns. Do not touch after cooling. Note: The hydraulic coupling, hose and liquid may become hot. When connecting and disconnecting the hydraulic hose, please wear gloves and wait for the unit to cool before touching the hydraulic components.

## 9. Bootstrap driver

### start the engine

1. Make sure all controls are in neutral.
2. If necessary, turn off the cold engine.
3. Move the throttle to half open.
4. Turn the ignition switch to the start position and release it when the engine starts.

**Emergency shutdown:** Turn the ignition switch to stop.

### General driver operations

1. Pull the lifting arm control device to lift the mounting plate (and accessories) off the ground.
2. Move the two-wheel drive controllers forward or reverse.

3. Adjust the throttle as needed.

### **Slope operation guidelines**

Pay attention to:

When working on a slope, keep the attachment/load. Drive slowly and be careful at all times.

The equipment is operated from above and below, with the heavy end of the equipment on the uphill. The weight distribution varies according to the attachments and loads.

Avoid starting, stopping or turning on a slope. If you must turn, keep the heavy end of the unit uphill.

Do not place the parking device on the ground, return all control switches to neutral and turn the ignition switch to stop.

### **Close**

1. Lower the lifting arm to the ground.
2. Move all controls to neutral.
3. Run the engine at low idle and cool for three minutes.
4. Turn the ignition switch to stop.
5. Pull out the key.

Note: When using the parking brake, the unit shall not stop on a slope. When stopping, move all control devices to neutral position.



warn

When the tank is tilted, the Angle of the tank should not exceed 12, otherwise the oil will spill out.

## **10. The machine is clean**

processing unit



Spray water on the equipment to remove dirt and mud, especially around the landing gear.

Note: Do not spray water on the operator's console, otherwise electrical components may be damaged.

Open the hood, remove debris from inside the device, and remove mud from tracks or tires.

### **Disconnect**

1. Lower the connector to the ground.
2. Make sure all controls are in neutral.
3. Shut down the engine.
4. Turn the handle away from the center of the attachment and release the pin.
5. If used, circulate the attachment drive control and disconnect the hydraulic hose.
6. Move the brake to its natural position.
7. Start the engine.
8. The front and rear units of the inclined mounting plate are far away from the accessories.

### **Storage tools**

Make sure all tools and accessories are loaded on the trailer.

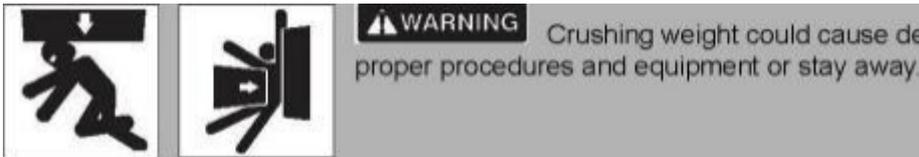
## **11. Maintenance and repair**

### **Maintenance precautions**

**Warning:** Incorrect operation can result in death, injury or property damage. Learn to use the equipment correctly.

**Note:** Unless otherwise instructed, all services should be performed when the engine is off. Before opening the engine hood for inspection or maintenance, stop the engine and apply the parking brake. Allow the engine to cool down before performing any maintenance. For engine maintenance instructions, refer to the engine manufacturer's manual. Before servicing the equipment, lower the attachments to the ground.

#### Work under the lifting arm is enhanced



**Note:** Before working under the lifting arm, support both lifting arms or stay away from the raised lifting arm.



**Warning:** Follow instructions carefully. There is a risk of explosion, serious personal injury or equipment damage.

Notice:

1. Sparks can cause batteries to explode
2. Electronic components are easily damaged.

#### Lubricant

Proper lubrication and maintenance can protect the equipment from damage and failure. The service intervals listed are minimum requirements. In extreme cases, the machine is repaired more frequently. Use only the recommended lubricants.

#### Notice :

Only genuine parts, filters and approved lubricants are used to maintain the warranty. Use the "Service Record" to record all required services on your machine.

#### 10 Hours

Check engine oil level

Check the oil level at the opening of the dipstick every 10 hours.

The oil level should be at the top of the mark, if lower, add 10W30.

Check with the unit on a horizontal surface and at least 15 minutes later Stop the engine.

Important: Use the oil specified in "Engine Oil Temperature"

## Check hydraulic level



Check the hydraulic fluid level every 10 hours.

Check the hydraulic hose for leakage every 10 hours

### Matters need attention:

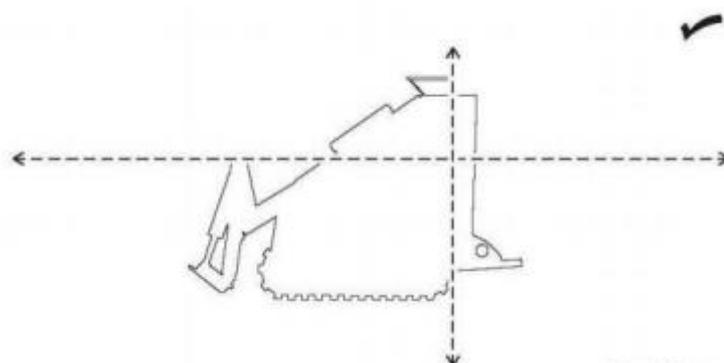
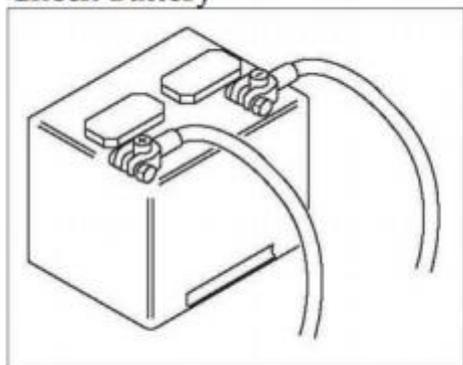
1. The escape of pressurized liquid can cause damage or puncture the skin and cause poisoning.
2. Before disconnecting the hydraulic line, turn off the engine and operate all control devices to release pressure. Lower, block or support any the rising part. Cover the joint with a thick cloth and slightly loosen the joint nut to release residual pressure. Collect all in the container liquid.
3. Before using the system, check that all connections are tight and that all lines are undamaged.
4. A leak can be hard to detect. Use a piece of cardboard or wood, not your hand, to look for leaks.
5. Wear protective clothing, including gloves and goggles.
6. If you are injured, seek medical attention immediately from a doctor familiar with the type of injury.

TYPHON

## 50 Hours

| Position       | Assignment                      | Check up |
|----------------|---------------------------------|----------|
| pulling device | Check the battery               |          |
|                | Check the drive belt            |          |
|                | Check the oil filter            |          |
|                | Clean the oil cooler            |          |
|                | Change the hydraulic oil filter |          |

### Check Battery



t170m016h.eps

**Normal battery:** can be used for 10 to 15 days in winter and 5 to 6 days in summer, then you should check the electrolyte as follows: disconnect the circuit on the pool, loosen the air plug, check the electrolyte in each unit, if the level is below the minimum, please add distilled water. Maintenance-free battery: check the battery every 50 hours, keep the battery and terminals clean and corrosion free.

**Battery storage:** Store the battery in a cool, well-ventilated place, do not put it directly in the sun, avoid moisture. Do not use when installed Do not hit metal tools or place metal tools on batteries.

**Installation and removal of the battery:** Stop the engine, remove the key. First remove the negative cable, then remove the positive cable and loosen the mounting bolts to remove the battery. Confirm the electrodes on the battery. When installing the battery, the installation method is opposite to the removal method.

**Note:** Make sure not to reverse the positive and negative terminals

**Operation Instructions:** When operating, store safety equipment such as glasses and rubber gloves according to your work situation. Handle with care, as the battery contains acid. If the acid comes into contact with your skin or clothing, wash immediately; otherwise, it can cause serious injury or death. Keep the battery away from fire and heat sources. The battery should only be used to start the engine; otherwise, it may cause battery damage or fire.

When using batteries in winter, please note: In winter, due to the low temperature, the electrolyte will loosen and the battery power will decrease, so it is more difficult to start than in summer.

Be aware of battery leakage. If the engine fails to start, do not restart immediately. Wait about a minute for the battery storage voltage to be stored again before restarting.

**Note:** In winter, please pay special attention to check the battery and circuit

### Clean the oil cooler

Clean the oil cooler every 50 hours. Clean more frequently Operate in dusty conditions. Clean with compressed air or Low-pressure water.

**Note:** Be careful not to damage the radiator of the cooler.

### Change the hydraulic oil

Change the hydraulic oil after 50 hours to start using it, and then Replace every 250 hours.

### 100 Hours

#### Change engine oil

Change engine oil every 100 hours.

### 200 Hours

#### Check the spark plugs and gaps

**Note:** For operating instructions, see the Engine Operator's Manual.

#### Change the oil filter

Change the oil filter every 200 hours.

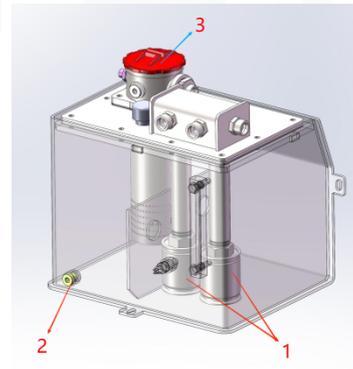
| Position       | Assignment   | check up |
|----------------|--|----------|
| Pulling device | Change the hydraulic oil filter                          |          |
|                | Replace the air filter and check the internal components |          |

### 250 Hours

#### Change the hydraulic oil filter

Replace the hydraulic oil filter every 250 hours (see figure on the right).

1. Oil suction filter element
2. Oil drain
3. Oil return filter element



### 500 Hours

Change the hydraulic oil every 500 hours.

Replace the drive belt as required

| Position | Assignment            | check up |
|----------|-----------------------|----------|
| Pull     | Change the drive belt |          |
|          | Jump to the beginning |          |

When worn or damaged, replace the drive belt as needed.

Note: The area of heat may cause burns.

Do not touch before cooling.

**Note:** Wait for the engine to cool before touching the parts or performing any service.

1. Wait for cooling
2. Remove the key from the ignition switch.
3. Adjust the belt tension.



Warning: Moving parts may cut hands or feet.



**Note:** When the engine is running, the engine hood should be opened for inspection or maintenance.

### Jump to the start-up unit

Warning: Incorrect operating procedures may result in death, injury or property damage. Use the equipment correctly.

#### Matters need attention:

1. The park is in a flat area.
2. Put all the driver control devices in neutral
3. Delete all cleared attachments.
4. Turn off all electrical loads.
5. Turn off the engine and remove the key from the ignition switch.
6. Block wheels or tracks.



Warning: An explosion may occur. Serious personal injury or equipment damage may occur. Handle with care.

#### matters need attention:

1. Lead-acid batteries emit explosive hydrogen gas when charged.
2. Do not smoke, produce sparks or use flames around the battery.
3. Don't lean against the battery when connecting.
4. Do not allow vehicle contact during jump start.
5. Wear eye protection and remove metal jewelry and watches.
6. Do not attempt to start a leak, bulge, severe corrosion, freeze or other damage to the battery.
7. Never short circuit the battery terminals for any reason.
8. Do not hammer battery posts or cable terminals.

### Appliqué



**DANGER**

Mobile tooth extraction can kill you or cut off your or leg.



**DANGER**

The rotating shaft will kill you or crush your arm or leg.



**⚠ DANGER**

Electric shock. Contact with electrical wires can cause death or serious injury. Know the location of the line and stay away from it.



**⚠ WARNING**

A deadly gas. Lack of oxygen or the presence of a gas causes illness or death, provide ventilation.



The dangers on the site can lead to death or serious injury. Use the right equipment and work methods. Use and maintain appropriate safety equipment.

Use Weight crushing can lead to death or serious injury. proper procedures and equipment, Or stay away from the equipment. Moving parts can cut hands or feet. Please stay away.



**⚠ WARNING**

Explosion may occur. Serious personal injury or equipment damage may occur. Follow instructions carefully.



**⚠ WARNING**

Incorrect operation can result in death, injury or property damage. Learn to use the equipment correctly.



**⚠ WARNING**

Incorrect operation can result in death, injury or property damage. Learn to use the equipment correctly.



Incorrect control functions can result in death or serious injury. If the control device does not work as described, stop the machine and repair it.

The machine may crush you or someone else. Learn how to use all controls. Just from operation The position of the operator starts to start and operate.

**⚠ WARNING**

There is a risk of fire or explosion. Smoke may be ignited and cause burns. Do not smoke Make sure there are no flames, no sparks.

Dangerous situations involving motor vehicles. May result in death or serious injury. Avoid moving vehicles, Wear clothes with high visibility and post appropriate warning signs.



Possible falls, slips or trips can lead to injuries. Keep the work area clear.

## 12. Specifications

