Self-propelled Type Aerial Work Platform Instruction

Gist

Read, understand and follow these safety rules and operating and maintenance instructions before operating or servicing the machine. Only trained and authorized personnel are permitted to operate or service the machine. This instruction manual should be regarded as part of the machine and kept with the machine at all times. If you have any questions, please contact our company by phone.

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1. Importance of the instruction manual

Before attempting any operation, maintenance or repair procedure for the GTJZ04/06/08/10/12/14 product, please carefully read, understand and follow the appropriate safety rules and instructions for use.

This instruction manual is for GTJZ04/06/08/10/12/14 models.

This manual provides product owners and operators with detailed operation and maintenance information, and provides qualified professional operators and maintenance personnel with methods and procedures for operating, detecting, and repairing faults.

The implementation of maintenance procedures must understand the basic knowledge of mechanical, hydraulic, electrical, etc. At the same time, some maintenance procedures require the use of specialized skills, tools, lifting social security and appropriate workplaces. Therefore, we strongly recommend maintenance and repairs at our company-defined service centers.

The manufacturer will provide you with accurate information and high-quality service to the greatest extent possible. However, it is the policy of Qiyun Group to continuously improve the product, so the technical specifications of the product will not be changed without notice. Please update the product maintenance manual regularly.

The manufacturer encourages readers to point out the shortcomings of our products and propose improvement measures, and we will carefully consider all comments and use them as a reference for the preparation of maintenance instructions and other instructions. Please contact us by E-mail or fax.

2. Operational Safety Rules

Danger

Failure to follow the instructions and safety rules in this manual will result in death or serious injury.

Do not operate unless:

►You have learned and practiced the rules for the safe operation of the machine in this owner's manual

If you have any questions about our products, please contact the manufacturer.

1. Avoid dangerous situations.

Know and understand the above rules before proceeding to the next step

2. Always perform pre-operation checks.

3. Always perform pre-use functional tests.

4. Check the workplace.

5. Use the machine only in accordance with the design intent of the machine.

►Should read, understand and follow the manufacturer's instructions and safety rules

►Safety and operational safety rules and maintenance and repair safety, rules and machine labels.

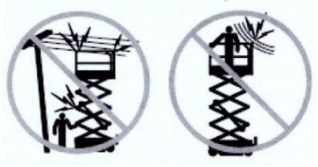
►Read, understand and comply with user safety rules and work site regulations.

►Read, understand and comply with all applicable government regulations.

►You are properly trained to operate the machine safely.

Danger of electric shock

This machine is not insulated and does not provide protection against electric shock.



Connect the power cord in accordance with applicable government regulations, and equipment to maintain a safe distance.

Factors such as platform movement, wire swing or sag should be considered, beware of strong winds or gusts.

If the machine comes into contact with live wires, move away from the machine.

Before the power is cut off, personnel on the ground or platform are prohibited from touching or operating machine.

Do not use this machine for welding ground unless the machine is equipped with solder wire option to the platform and connected correctly.

Danger of tipping

The personnel, equipment and materials on the platform must not exceed the platform maximum load capacity or maximum lifting weight of the platform extension the amount.

Litres can only be used when the machine is on firm, flat ground platform.

►Do not use the tilt alarm as a level indicator. Only when the machine tilted, the tilt alarm on the chassis makes a sound.

►If the tilt alarm sounds: lower the platform. Let the machine move to a solid, level ground go up. If the tilting alarm sounds when the platform is raised, the platform is lowered smoothly.

►Do not change or damage the limit switch.

►When the platform is raised, the driving speed must not exceed 0.8 km/h.

►Do not operate the machine in strong or gusty winds. Do not increase the platform table surface area or load. Increasing the area exposed to wind will reduce the low machine stability.

►When the platform is raised, the machine cannot be on uneven terrain, driving on unstable surfaces or other dangerous conditions, or driving near these areas.

►In the stowed state, when the machine is on uneven terrain, there is gravel, unstable or smooth surface, close to the hole and steep slope.

►Do not push or pull anything outside the platform.

Maximum allowable manual operation

ANSI and CSA - 2 people 500N

CE - Indoor use only - 2 people 500N

CE - Outdoor use - 1 person 200N

►Do not change or damage anything that may affect safety and stability machine parts.

►Do not place or tie on any part of this machine fixed load or overhanging load.

►Do not place the ladder or scaffolding in the platform, or lean against any part of the machine.

►Do not modify the aerial portion of the work platform. In the flat mounted on a table, pedal or guardrail for placing tools or additional material for his material will increase platform weight and surface area or increase the load.

►Do not replace the affected machine with parts of different weights or specifications.

►Do not replace the affected machine with parts of different weights or specifications.

►Do not use batteries that weigh less than the original battery. Power storage the pool is used as a counterweight and is the key to maintaining machine stability component. Each battery must weigh up to 28 kg.

►Do not use the machine as a crane.

►Do not push the machine or other objects through the platform.

►Do not touch the platform with nearby objects.

►Do not bundle the platform on nearby objects.

►Do not place the load outside the perimeter of the platform.

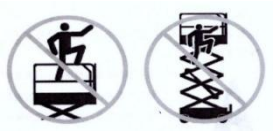
►Do not operate the machine while the chassis frame is open.

►When the platform is stuck, or because there are other objects nearby that block it

►Do not use the platform controller to release the platform during normal exercise. Intended to use the ground controller to release the platform before all personnel must leave the platform.

Danger of falling

Personnel on the platform must wear seat belts or use safety facilities that comply with government regulations. Attach the lanyard to the platform. Do not sit, stand or climb on the guardrail of the platform. Stand on the platform floor at all times.



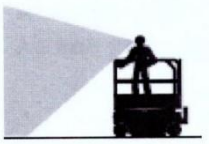
►When the platform is raised, please don't climb down from the platform.

►Keep the platform floor free of debris.

►The platform entrance chain should be fixed before operation, or the entrance should be closed.

►Only when the fence has been properly installed and the entrance is protected, the machine can be operated.

Danger of collision



►Pay attention to line of sight and blind spots when starting or operating the machine.

►When moving the machine, consider where the platform extends.

►The machine is cut horizontally before releasing the brakes, or securely fixed.

►When operating the machine, it is recommended that the operator wear a qualified helmet.

►Check the work area to avoid obstacles or other obstacles on the top of the head.

►When grabbing the platform fence, beware of the danger of squeezing.

►Observe and use the color scale arrows on the platform controls and platform labels when driving and steering.

►Do not drive dangerously or savagely when operating the machine.

►The platform can only be lowered if there are no people or obstacles in the area below the platform.

►The speed of travel is limited based on ground conditions, congestion levels, slope, personnel location, and any other factors that may cause a collision.

►Do not operate the machine on a crane or high-altitude mechanical movement unless the crane controller is locked and/or precautions have been taken to prevent any potential collisions.

Danger of crushing

►Keep your hands and arms out of the scissor arm.

►When using the controls on the ground to operate the machine, keep good judgment and planning. Keep a safe distance from in operator, machine and stationary objects.

Danger of component damage

►Do not use the machine as a ground wire when soldering.

Danger of explosion and fire

►Do not use the machine where it is dangerous or where flammable or explosive gases or particles may be present.

Danger of damage to the machine

►Do not use a machine that is damaged or defective.

►Before each job change, thoroughly check the machine before operation and test all functions. A damaged or faulty machine should be immediately marked and stopped.

►Make sure that all maintenance operations have been performed in accordance with the instructions in this instruction manual.

►Make sure all labels are properly positioned and easily identifiable.

►Make sure the instructions are in good condition, easy to read, and stored in a deposit box on the platform.

Danger of physical injury

►Do not operate the machine in the presence of hydraulic oil leaks or leaks. Hydraulic oil leaks or leaks may penetrate and/or burn the skin.

Label description

Compliance, color code and matching text used for product labeling

The meaning is as follows:

Safety warning sign - Used to indicate potential personal injury. Observe all safety information after this sign to avoid possible personal injury or death.

Danger

Red - Used to indicate an imminently hazardous situation which, if avoided, could result in death or serious injury.

Warming

Orange - Has a hint of a potentially hazardous situation that, if avoided, can result in death or serious injury.

Beware

Yellow and with a safety warning sign - Used to indicate a potentially hazardous situation, which may cause minor or moderate personal injury if avoided

Beware

Yellow does not have a safety warning sign--Used to indicate a potentially hazardous situation that, if not avoided, could result in property damage.

Notice

Green - Used to prompt for operation or maintenance information.

Battery safety

Burn hazard

►The battery contains acidic substances. Wear protective clothing and safety glasses when using the battery

►Avoid spilling or contacting acidic substances in the battery. Use soda and water to neutralize the overflowing battery acid.

►Do not expose the battery or charger to water and/or rain while charging.

Explosion hazard

►Sparks, flames, and ignited cigarettes are prohibited from getting close to the battery.The battery is capable of releasing explosive gases.

►The battery bay should be open during the entire charging process.

►Do not touch the battery segment or cable clamp with a tool that may cause sparks.

Danger of component damage

►Do not use any battery charger greater than 24 volts to charge the battery.

Electric shock hazard

►Only connect the battery charger to a grounded AC three-wire power outlet.

►Check cables and wires for damage daily. Replace the damaged object before operation.

►Avoid electric shock due to contact with battery terminals. Remove all rings, watches and other accessories.

Danger of tipping

►Do not use batteries that weigh less than the original battery. The battery is used as a counterweight and is a key component to maintain machine stability. Each battery must weigh up to 28 kg.

Danger of ascension

►When lifting the battery, the number of personnel and the technology used should be appropriate.

3. Maintenance Safety Rules

Danger

Failure to follow the instructions in this instruction manual will result in death or serious injury. Many unsafe operations mentioned in the operating rules of this manual should also be noted when performing maintenance and repair procedures.

Do not operate unless:

►You have understood and practiced the rules for safe operation of the machine in this instruction manual.

►Should read, understand and obey

Manufacturer description and safety rules

User safety rules and work site regulations.

All applicable government rules.

►You must have the right tools, lifting equipment and the right workplace.

Personal safety

Anyone on or around the machine must be aware of the various safety hazards that may exist. Personal safety and continuous and safe operation of the machine are important.

Read the procedures carefully. The meanings of the signal words used in this manual and on the label on the machine are as follows:

Safety warning sign - Used to indicate potential personal injury. Observe all safety information after this sign to avoid possible personal injury or death.

Red - Used to indicate an imminently hazardous situation which, if avoided, could result in death or serious injury.

Orange - Has a hint of a potentially hazardous situation that, if avoided, can result in death or serious injury.

Yellow and with a safety warning sign - Used to indicate a potentially hazardous situation, which may cause minor or moderate personal injury if avoided

Yellow does not have a safety warning sign--Used to indicate a potentially hazardous situation that, if not avoided, could result in property damage.

Notice

Green - Used to prompt for operation or maintenance information.

Wear protective goggles and other protective overalls.

There are potential hazards such as: movable parts, freely rota-table or unfixed parts, heavy objects that are raised or moved. Remember to wear thick work shoes

Workplace safety

Make sure that Mars, flames, and cigarette butts are kept away from flammable, explosive materials such as batteries and engine fuel. Be sure to configure qualified firearms nearby.

Maintain all tools and work sites for your use. Keep the work environment clean so that magazines or debris do not fall into the machine parts and cause damage.

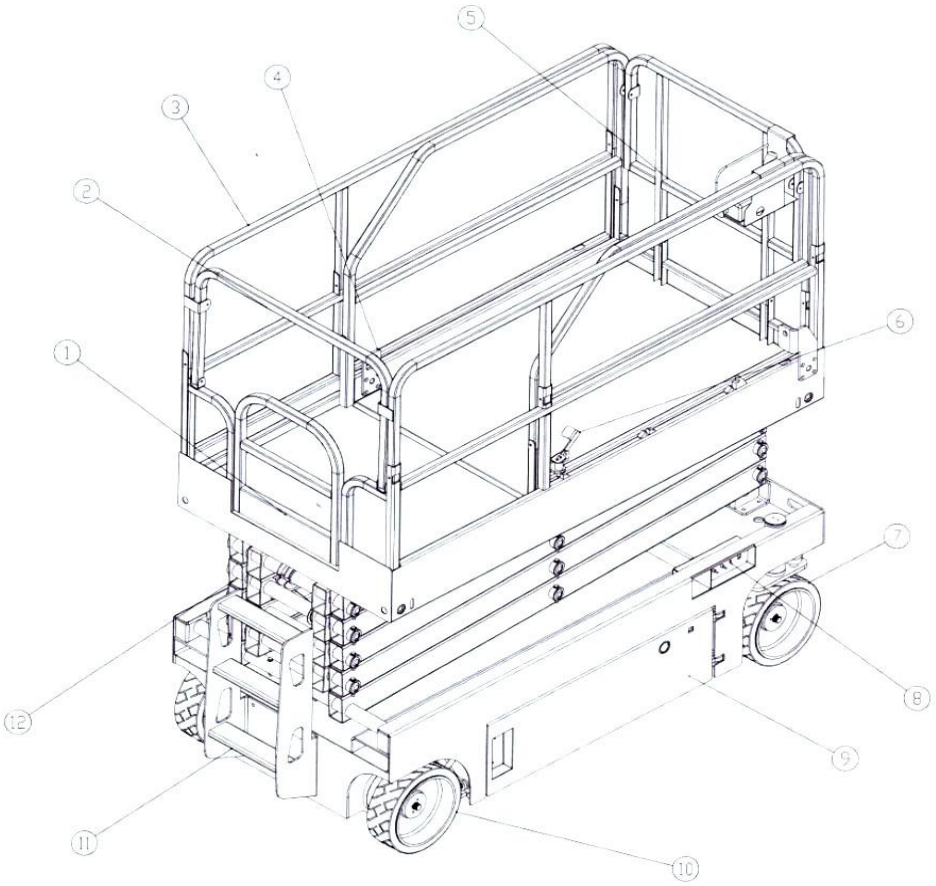
Make sure your work and work areas are ventilated and in good lighting.

Ensure that any forklift, truck or other lifting and supporting equipment has sufficient support and lifting capacity. Use only steel cords and belts that have sufficient load carrying capacity and integrity.

Make sure that disposable fasteners (such as split pins and self-locking nuts) are not reused. Repeated use may void parts.

Properly dispose of used oil and other liquids. Use approved containers. Please take care to protect the environment from contamination.

4. Product Part Name Diagram



1. platform entrance door 2. the platform entrance bar 3. platform fence

4. tying fixed point 5. platform extension

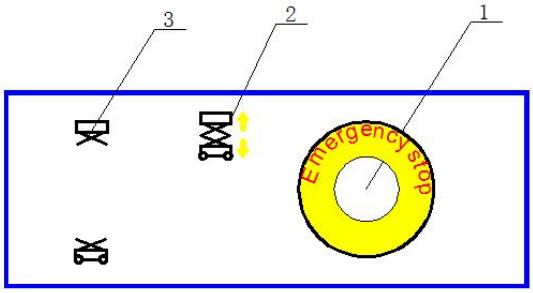
6. platform extension part of the pedal. 7. steering tires

8. ground operation panel 9. power unit box 10. fixed brake wheel

11. entrance stairs 12. boom

5. Controller Diagram

Bottom control



1. Emergency stop switch 2. Lift switch platform control box 3. Transfer switch

Upper Control - PCU handle

6.Pre-Operation Inspection

Do not operate unless:

►Has mastered and practiced the machine safety operation rules in this manual.

1. Avoid dangerous situations.

2. Always check before operation.

Understand and understand the pre-operational checks, then

proceed to the next step.

3. Always perform functional tests before use.

4. check the workplace

5. Use the machine only in accordance with the design intent of the machine.

The basic principle

It is the responsibility of the operator to perform “pre-operational inspections” and routine maintenance. Pre-operational inspection is a very intuitive inspection process that is performed by the operator before each to pair. The purpose of the inspection is to find out if there is a significant problem with the machine before the operator performs a functional test.

Pre-operational checks can also be used to determine if routine repairs are required program. The operator can only perform routine maintenance items as specified in the instructions.

Check the list on this page to check for changes, damage, looseness, or missing parts for each item and location.

Machines that have been damaged or altered should be prohibited. If any damage is found or is different from the factory condition, mark the machine and stop using it.

According to the manufacturer's regulations, only qualified service technicians can repair the machine. After the repair result, the operator must perform the pre-operation check again before continuing the functional test.

Depending on the manufacturer's requirements, regular maintenance inspections should be performed by qualified service technicians.

►Make sure the instruction manual is intact, easy to read, and stored in a storage box on the platform.

►Make sure all labels are legible and in the right place. See the "Posters" section.

►Check for hydraulic oil leaks and proper oil level. Please add oil as needed. See the "Maintenance" section.

►Check the battery for leaks and the liquid level is appropriate. Please add distilled water as needed. See the "Maintenance" section.

Inspect the following parts or areas for damage, improper modifications and installations, or missing parts.

►Electrical components, wiring and cables

►Hydraulic power unit, fuel tank, hose, pipe joint, hydraulic cylinder

►Battery pack and its wiring.

►Drive motor

►Anti-slip mat

►Tires and wheels

►Limit switches, alarms and horns

►Nuts, bolts and other fasteners

►Platform entrance door (if equipped)

►Indicator and alarm (if equipped)

►Brake release parts

►Safety arm

►Deep pit protection device

►Platform extension

►Scissor arm pins and fasteners

►Platform control joystick

►Generator (if equipped)

►Weight (if equipped)

Check the entire machine to find out:

►Crack in a weld or structural part

►Make sure that all structural and other critical components are complete and that all associated fasteners and pins are in the correct position and fully tightened.

►The sidebar is installed and tightened.

►Make sure the chassis frame is in the correct position, locked and connected properly.

7. Maintenance

Obey:

►The operator can only perform the routine maintenance items specified in this instruction manual.

►Depending on the manufacturer's requirements, regular maintenance inspections should be performed by qualified service technicians.

Maintenance compliance description:

Use the following in this manual to help express the relevant meaning in the instructions. When one or more matches appear in front of the repair procedure, the meanings expressed are as follows.

Indicates that a tool is required to execute this program.

Indicates that a new part is required to perform this procedure.

Check hydraulic oil level

Maintaining the hydraulic oil at the proper oil level is critical to machine operation. If the hydraulic oil is at an unsuitable oil level, the hydraulic components will be damaged. Through routine inspections, the inspector can determine changes in the hydraulic oil level that can indicate problems with the hydraulic system.

Check battery

A good battery condition is critical to good motor performance and safe operation. Improper electrolyte levels or damaged cables and wiring can cause damage to the motor components and create a hazardous situation.

►**The danger of the motor.** Contact with an electrical circuit can result in death or serious personal injury. Remove all rings, watches and other accessories.

►**The danger of physical injury.** The battery contains acidic substances. Avoid spilling or contacting acidic substances in the battery. Use soda water to neutralize the overflowing battery acid.

This check is performed after charging the battery:

1. Put on protective clothing and wear protective glasses.
2. Ensure that the wiring of the battery cable is not corroded.
3. Ensure that the battery is firmly fixed and the cable connections are tight.

4. Remove the battery vent cover

5. Check the battery acid level. If necessary, add distilled water to the bottom of the battery filler tube. Never add filters.

6. Install the ventilation cover.

Regular maintenance

Maintenance projects on a quarterly, annual, and biennial basis must be based on this machine trained and qualified by machine maintenance personnel. Complete the repair procedure in the instruction manual. For machines that have been idle for more than three months, a quarterly inspection is required to be re-used.

8.Functional Test

Do not operate unless:

►Has mastered and practiced the machine safety operation rules in this manual.

1. Avoid dangerous situations.

2. Always check before operation.

Understand and understand the pre-operational checks, then proceed to the next step.

3. Always perform functional tests before use.

4. check the workplace

5. Use the machine only in accordance with the design intent of the machine.

The basic principle

The purpose of the functional test is to find the fault before starting to use the machine. The operator must follow the step-by-step instructions for testing all functions of the machine.

Do not use a malfunctioning machine. If a fault is found, the machine must be marked and stopped. According to the manufacturer's regulations, only qualified service technicians can repair the machine.

After the repair is completed, the operator must perform the pre-operation check and functional test again before starting to use the machine.

1. Select a test area that is strong, level, and free of obstructions.

2. to ensure that the battery pack is connected

For ground controls

3. Pull out the red emergency stop button on the platform and ground to the ON position.

4. Turn the key switch to the ground controls.

Test emergency stop

5. Push the ground red emergency stop button to the OFF position.

Result: All functions will not run.

6.Pull out the red emergency stop button to the ON position.

Test rise/fall function

The sound warning on the machine comes from the same central alarm.

When falling, the alarm sounds 60 times per minute. When the platform falls below 3.5 meters, it sounds 120 times. 7, start the rising function.

Results: The platform should rise.

8. Start the decline function.

Results: The platform should decline.

9. Turn off the alarm switch to stop the alarm sound to keep quiet.

Test manual drop function

10. Start the ascent function and raise the platform by approximately 0.6 meters.

11. Pull the manual down button or press the manual down button next to the ground controls.

Results: The platform should decline. The falling alarm does not make a sound.

12. Turn the key switch to the platform controller. On the platform controller

13. Push the platform red “emergency stop” button to the OFF position.

Result: All functions will not run.

Test speaker

14. Press the horn button.

Result: The speaker will ring

15. Pull the red emergency stop button to the ON position.

Test function enable switch

16. Do not press the function enable switch.

17. Slowly move the control handle in the direction indicated by the yellow arrow. Then move in the direction indicated by the red arrow.

Result: All functions will not run

Test rise/fall function

18. Move the lift switch to the side of the lift.

19. Press the function enable switch on the control handle to hold.

20. Slowly move the control handle in the direction indicated by the yellow arrow. arrow. Then move in the direction indicated by the red arrow.

Results: The platform should rise. The pit protection device should be deployed above 3.5 meters and will not continue to rise if it is not deployed.

21. Release the control handle.

Results: The platform should stop rising.

22. Press the function enable switch and hold. Slowly move the control handle in the direction indicated by the yellow arrow.

Results: The platform should decline. When the platform is lowered, the falling alarm should sound.

Test steering

Note: When performing the steering test and drive function test, stand on the platform facing the machine steering end.

23. Move the walking lift selector switch to the walking position.

24. Press the function enable switch on the control handle and hold it.

25. Press the thumb rocker switch on the top of the control handle in the direction indicated by the yellow triangle on the control panel.

Result: The steering wheel should be rotated in the direction indicated by the white triangle on the control panel

26. Press the thumb rocker switch in the direction indicated by the white triangle on the control panel.

Result: The steering wheel should be rotated in the direction indicated by the white triangle on the control panel.

Test drive and brake function

27. Press the function enable switch on the control handle and hold it.

28. Slowly move the control handle in the direction indicated by the yellow arrow on the control panel until the machine begins to move, then return the handle to the center position.

Result: The machine should move in the direction indicated by the yellow arrow on the control panel and then stop suddenly.

29. Slowly move the control handle in the direction indicated by the white arrow on the control panel until the machine begins to move, then return the handle to the center position.

Result: The machine should move in the direction indicated by the white arrow on the control panel and then suddenly stop.

Note: On any slope the machine can climb, the drive brake must be able to stabilize it.

Test tilt sensor operation

Note: This test is performed on the ground with a platform controller. Do not stand in the platform.

34. Completely lower the platform.

35. Place a 2*4 or similarly sized wood under the two wheels on one side and drive the machine to the machine.

36. Raise the platform.

Result: When the platform rises more than 3.5 meters from the ground, the deep pit protection device should be deployed.

37. Lower the platform and remove the two pieces of wood.

Testing deep pit protection device

Note: When the platform is raised, the pit protection device should be deployed automatically. The deep pit protection device controls the walking of the machine. If the deep pit protection device is not deployed, the machine stops driving when the platform rises above 3.5 meters.

38. Raise the platform.

Result: When the platform rises more than 3.5 meters from the ground, the deep pit protection device should be deployed.

39. First press and hold one side of the pit protection device, then press and hold the other side.

Result: The pit protection device will not move.

40, reduce the platform

Result: The pit protection device returns to the stowed state.

41. Place a wooden block of size 2*4 or similar under the pit protection device. Raise the platform.

Result: After the platform is lifted 3.5 meters from the ground, the lifting function stops working and the driving function should stop working.

42. Lower the platform and remove 2*4 wood blocks.

9.Workplace Inspection

Do not operate unless:

You have mastered and practiced the machine safety rules in this instruction manual.

1. Avoid dangerous situations.

2. Always check before operation.

3. Always perform pre-use functional tests.

4. Check the workplace.

Understand and understand workplace inspections before proceeding to the next step.

6. Use the machine only in accordance with the design intent of the machine.

The basic principle

“Workplace inspection” helps the operator determine if the workplace is suitable for safe operation of the machine. The operator should do this before moving the machine to the workplace.

It is the responsibility of the operator to understand and remember the hazards in the workplace and then to be aware of and avoid these problems when moving, installing and operating the machine.

Workplace inspection

►Beware and avoid the following dangerous situations:

►Steep slope or cave

►Bulge, ground obstacle or debris

►Air obstacles and high voltage wires

►Dangerous location

►Surface support that is not sufficient to support the full load applied by the machine

►Hurricane and atmospheric conditions

►Unauthorized personnel

►Other unrest situations that may arise.

10.Operating Instructions

Do not operate unless:

You have mastered and practiced the machine safety rules in this owner's manual.

1. Avoid dangerous situations.

2. Always check before operation.

3. Always perform pre-use functional tests.

4. Check the workplace.

5. Use the machine only in accordance with the design intent of the machine.

The basic principle

The “Operating Instructions” section provides specific instructions for all aspects of machine operation. It is the responsibility of the operator to follow all safety rules and instructions in the instruction manual. In addition to lifting people and tools to the airborne workplace, it is unsafe and dangerous to use this machine for other purposes. Only trained and authorized personnel are allowed to operate the machine. If more than one operator uses the same machine at different times during the same work shift, they must all be qualified operators and follow all safety rules and instructions in the instruction manual. This means that every new operator should perform operational checks, functional tests, and workplace checks before using the machine.

Emergency stop

On the ground controls or platform controls, turn the red emergency stop button to the OFF "off" position to stop all functions.

Repair any operational function must be done when pressing one of the emergency stop buttons.

Operating from the ground

1. Turn the key switch to the ground controller

2. Pull the red "emergency stop" button on the ground and platform

Go to the ON "ON" position.

3. Make sure the battery pack is connected before operating the machine.

Adjust platform position

1. Move the up/down toggle switch according to the mark on the control panel. Drive and steering functions are not available through the ground controls.

Operating from the platform

1. Press the drive function selection button.

Move the lift/drive selector switch to the drive position.

2. Press the function enable switch on the control handle and hold it.

3. Move the control handle according to the mark on the control panel.

Turn

1. Press the drive function. Move the lift/drive selector switch to the drive position.

2. Press the function enable switch on the control handle and hold it.

3. Turn the steering wheel with the thumb swing switch located on the top of the control handle.

Drive

1. Press the drive function selectionbutton.

Move the lift/drive selector switch to the drive position.

2. Press the function enable switch on the control handle and hold it.

3. Increase the speed: Slowly move the controller handle away from the center position.

Reduce the speed: Slowly move the controller handle to point to the center position.

Stop: Return the control handle to the center position or release the function enable switch.

Use the color scale direction arrows on the platform controller panel and platform to identify the direction in which the machine will move.

The speed of the machine is limited when the platform is raised.

Battery condition will affect machine performance.

When the low battery level gradually decreases, the machine movement speed and function speed decrease.

Drive selector switch

The machine is tilted to match: When tilting, operate the down switch in the low speed range to operate at normal speed.

Extension and contraction platform

1. Step on the platform extension release pedal on the platform's toe.

2. Grasp the platform guard rail and carefully push the platform to extend the platform to the middle position.

3. Press the release pedal again and pull the platform to stop the platform to return to the middle position. Step on the pedal again and fully retract the platform.

Use the controller to operate from the ground

Keep a safe distance between the operator, the machine and the stationary object.

Pay attention to the direction of travel of the machine when using the controller.

After each use

1. Choose a safe parking location, which can be a solid horizontal floor, no obstacles and avoid heavy traffic.

2. Reduce the platform

3. Turn the key switch to the off position to remove the key to avoid unauthorized use of the machine.

4. Lock the wheel.

5. Charge the battery.

Battery and charger instructions

Obey and obey:

►Do not use an external charger or boost battery.

►Charge the battery in a well ventilated area.

►Charge using the correct AC input voltage indicated on the charger.

►Only use batteries and chargers approved by our company.

Charging the battery

1. Make sure the battery is connected before charging.

2. Open the battery compartment cover. The hatch cover should remain open throughout the charging process.

3. Remove the battery vent cover and check the battery acid level. If necessary, add enough distilled water to cover the plates. Do not overfill before charging.

4. Replace the battery vent cover.

5. Connect the battery charger to a grounded AC circuit.

6. Turn on the battery charger.

7. The charger will give an indication when the battery is fully charged.

8. Check the battery acid level at the end of the charging cycle. Add distilled water to the bottom of the dosing tube. Do not overfill.

Dry battery and liquid and charging instructions

1. Remove the battery vent cover and permanently remove the plastic seal from the battery vent.

2. Fill the battery acid (electrolyte) to each unit until the liquid level can be

changed to the plate. Do not fill to the highest level before the battery charging process ends. Excessive addition of liquid can cause the battery acid to overflow during charging. Use soda with water and spilled battery acid.

3. Install the battery ventilation cover.

4. Charge the battery

5. Check the battery acid level at the end of the charging cycle and add distilled water to the bottom of the filling tube. Do not overfill.

11.Shipping instructions

Obey and obey:

►When using a crane or forklift to lift the machine, keep normal judgment and plan to control the movement of the machine.

►Transport vehicles must be parked on level ground.

►When loading the machine, the transport vehicle must be fixed to prevent rolling.

►Make sure that the vehicle capacity, loading surface, belt or rope is sufficient to support the weight of the machine (refer to the “Specifications” section).

►The machine must be in a horizontal plane or securely fastened before releasing the brakes.

Fixed to truck or trailer when transported

The machine wheels should always be locked when preparing for transport.

Secure the machine to the transport surface by driving the fastening points on the chassis.

Use a chain or belt with sufficient load strength.

Turn the key switch to the OFF position and remove the key before shipping.

Thoroughly inspect the machine to prevent loose or unsecured parts.

Brake release operation

1. Lock the wheel to prevent the machine from rolling.

2. It must be ensured that the winch cable is properly secured to the fastening point of the drive chassis and that there are no obstacles on the channel.

3. Turn the brake counterclockwise to release the handle brake valve.

4. Push and pull the brake to release the handle of the pump.

After the machine is loaded:

1. Lock the wheel to prevent the machine from rolling

2. Turn the brake release lever clockwise to reset the brake.

12.Description of Repair Procedures

Obey and obey:

►Repair procedures will be performed by personnel trained and qualified to repair the machine.

►Timely labeling and removing damaged or faulty machines

►Repair all damage or malfunction of the machine before operating the machine

Before starting maintenance:

►Read, understand and obey the safety rules and operating instructions in the GTJZ04/06/08/10/12/14 Instructions for Use.

►Prepare all the required keys and components.

►Read the procedures and instructions in full, and any shortcuts are likely to result in repairs.

►Unless otherwise specified, the dangerous procedures for performing this machine are upgraded according to the following.

►The machine is parked on a flat, horizontal plane with the boom in the loading position. The key switch is in the "OFF" position and the key lock wheel is removed.

About this part

Most of the procedures in this section should only be performed at a dedicated service center. Select the appropriate repair procedure after detecting the fault.

Label description

Compliance, color code and matching text used for product labeling

The meaning is as follows:

Safety warning sign - Used to indicate potential personal injury. Observe all safety information after this sign to avoid possible personal injury or death.

Red - Used to indicate an imminently hazardous situation which, if avoided, could result in death or serious injury.

Orange - Has a hint of a potentially hazardous situation that, if avoided, can result in death or serious injury.

Yellow and with a safety warning sign - Used to indicate a potentially hazardous situation, which may cause minor or moderate personal injury if avoided

Yellow does not have a safety warning sign--Used to indicate a potentially hazardous situation that, if not avoided, could result in property damage.

Green - Used to prompt for operation or maintenance information.

Platform component

1-1

Platform

Avoid platform deformation when lifting the platform or the whole machine.

Two reliable steel pipes can be used to pass through the platform when the platform is removed Seat belts, then hang the steel pipe to avoid lateral railing force.

How to remove the platform

1. Find the cable that connects to the bottom of the control box. Recognize clearly the number and location of each cable.

2. Disconnect the cable from the bottom of the control box.

3. Remove the fastening bolts from the platform control box. Remove platform control Put the box aside.

4. Remove the shaft connected to the platform base and the boom, and remove the slide piece.

5. Unload the entire work platform.

Contact with live circuits can result in death or serious injury. Remove all earrings, watches and other jewelry.

1-2

Extended platform

1. Place the platform on a level surface.

2. Remove the four roller shafts and remove the rollers.

3. Remove the extension platform.

1-3

Guardrail

1. Place the platform on a level surface.

2. Remove the pins that connect the guardrails to the chassis, and arrange them.

it is good.

3. Remove each guardrail in turn.

Boom part

2-1

How to remove the boom

When removing the hose and fitting, the hose or the 0-ring at the end of the

fitting must be removed. Perform this procedure while the boom is in the retracted position.

1. After removing the work platform.

2. Remove the shaft at the junction of the boom and the chassis and remove the slider.

3. Remove the tubing and fittings that are connected to the lift cylinder, remove the tubing, fittings, and all wires.

4. Unload the boom as a whole on the level ground

5. Remove the lift cylinder and remove it.

6. Remove the connecting shaft between the booms from top to bottom, and arrange them in order. Finally remove the damper sliders on each boom.

Chassis component

3-1

Drive pump

The drive pump is a long working power unit. The output of the pump is controlled by an electric displacement controller located on the pump.

How to remove the drive pump

1. Disconnect the electrical displacement controller circuit located on the drive pump.

2. Close the two hydraulic tank shut-off valves located on the hydraulic tank.

3. Mark, disconnect and plug the hydraulic hose from the drive pump. Plug up hydraulic hose.

4. Support the drive pump with the appropriate support equipment and remove the two drives pump mounting bolts.

5. Carefully pull out the drive pump until the pump shaft spline is free of the flexible coupling.

6. Remove the drive pump from the machine.

3-2

Hydraulic tank

How to remove the hydraulic tank

1. Open the tank hydraulic tank side of the chassis.

2. Close the two hydraulic cylinder shut-off valves on the hydraulic tank on the hydraulic tank.

3. Remove the drain plug from the hydraulic tank and drain all oil into the appropriate container. View the capacity description.

4. Disconnect and plug the auxiliary power unit oil supply pipe. Plug the fittings on the hydraulic tank.

5. Disconnect and plug the T-tube fitting on the return line filter with two hoses. Plug the fittings on the hydraulic tank.

6. Remove the fastening bolt between the hydraulic oil tank and the underframe housing. Remove from the machine.

3-3

Drive motor

How to remove the drive motor

When removing the hose and fitting, the O-ring at the end of the hose or fitting must be removed.

1. Label, disconnect and plug the hydraulic hose on the drive motor and plug the pipe joint on the drive motor.

2. Remove the drive motor mounting bolts.

3. Slide the drive motor out of the brakes and reducer.

3-4

Drive reducer

How to remove the drive reducer

When removing the hose and fitting, the O-ring at the end of the hose or fitting must be removed.

1. Label, disconnect and plug the hydraulic hose on the brake unit.

2. Loosen the tire nut. Don't move them.

3. Place a jack of sufficient capacity under the telescopic shaft of the drive reducer. Do not jack up the machine.

4. Place a steel strip at the reverse end of the machine.

5. Lift the machine about 15cm and place the steel bar under the support.

6. Remove the tire nut. Remove the tires and rims.

7. Place the second jack to support under the drive reducer. Remove the mounting bolts that drive the gear unit and the steering knuckle. Remove the drive reducer from the machine.

13. Hydraulic System Description

Hydraulic oil	L-HM46
Drive pump	
Types	Long working power unit
Flow rate(at 2800rpm)	8.3L/min
Max. Driving pressure	210Bar
Functional valve	
Functional safety valve pressure	180Bar
Boom extension relief valve pressure	180Bar
Travel drive valve	
Brake opening pressure	17.2
Driving motor	
Displacement	GTJZ04/06/08 230ml/r

Hydraulic filter	
Hydraulic tank return filter	Hydraulic filter
Return filter bypass pressure	Hydraulic tank return filter SP 06*10

14.Tightening Torque, Hydraulic Hose and Hook Fitting Installation Instructions

Tightening torque

Motor mounting bolt M12*90-10.9 77.5Nm

Brake mounting bolt M12*100-10.9 77.5Nm

Hydraulic hose and fitting installation instructions

Your machine is equipped with hydraulic hoses and fittings with imported O-rings on the surface. When disassembling or installing them, they must be removed or installed according to the torque specified in the instructions.

Hydraulic hose and fitting installation instructions		
Pipe joint		
Screw in size	Installed into	Torque Nm
-4	aluminum	14.9
	steel	21.7

-6	aluminum	31.2
	steel	47.5
-8	aluminum	54.2
	steel	81.3
-10	aluminum	93.6
	steel	142.4
-12	aluminum	126.1
	steel	190
-16	aluminum	188.5
	steel	284.7
-20	aluminum	233.2
	steel	352.5
-24	aluminum	282
	steel	427.1

Hydraulic hose and fitting installation instructions	
Hose	
Screw in size	Torque Nm
-4	24.4
-6	36.6
-8	54.2
-10	85.4
-12	122
-16	162.7
-20	190
-24	223.7

Tightening procedure

1. Replace the O-ring. The O-ring must be replaced whenever the seal is broken. The O-ring cannot be reused if the splice closure is tightened.

2. Lubricate the O-ring before installation.

3. Ensure that the surface seal O-ring is properly placed and secured.

4, butt hose nut and pipe joint and tighten the nut

5. Tighten the nut and fitting according to the torque provided in the table above.

6. Perform all machine functions and check hoses and fittings and related components to ensure that there are no leaks.

15.Working principle

Energy

The GTJZ series is powered by a 24V motor.

Hydraulic system

All functions of the machine are performed by the hydraulic system. The entire hydraulic system can be divided into two parts: one for the support of the boom support and the other for the driving function.

Work platform extension is manually operated manually

The driving function is driven by a long-time power unit with a flow rate of 8.3L/min.

Electrical System

A 24V battery is used in the system to start the motor and drive the chassis controller and platform controller. The battery is charged by an external AC.

Machine control

Two controllers are used to control machine functions. They are mounted on the chassis (chassis controller) and the platform platform controller.

Each controller communicates data through a high-speed data bus. For example, signals input from the platform controller are delivered to the chassis controller in the form of multiple signals over a high speed data bus.

Safety measures

A series of sensors provide signals to the controller. These sensors determine and define parameters for safe operation of the machine. The sensor status cannot be changed.

16.Periodic Maintenance Procedures

Obey and obey

►Maintenance inspections will be performed by trained and qualified personnel.

►Regular maintenance inspections will be completed by filling out detailed maintenance inspection reports on a daily, quarterly, semi-annual, annual, and biennial basis.

WARNING: Failure to perform this instruction manual may result in death, serious injury, and damage to the machine, even if it is a regular maintenance procedure.

►Mark and remove damaged or malfunctioning machines in a timely manner.

►Repair damaged or malfunctioning machines before operating the machine.

►Save all machine inspection records for three years.

►Machines that have not been maintained for more than three months must complete a quarterly inspection.

►Unless otherwise detailed, the maintenance procedures are performed in accordance with the following terms:

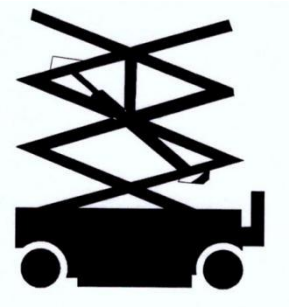
The machine is placed on a flat, level ground with the arms fully retracted.

The extension platform retracts the designated location.

Turn the key switch to the "OFF" position and remove the key tire lock.

All external AC power must not be connected to the machine.

►When disassembling the lift cylinder or tubing or any body part before reaching the boom, support the boom protector as shown below:



Delivery preparation report

The delivery preparation report includes each type of periodic inspection form. Copy the delivery preparation report for each inspection and save the complete form as required.

Maintenance schedule

There are five types of hazard tests that must be performed on a schedule--daily, quarterly, six-monthly, yearly, and biennial. Considering the repeated procedures, the "Periodic Maintenance Procedures Section" and the "Maintenance Inspection Report" are divided into five segments - A, B, C, D, and E. Use the following table to determine the combination of procedures necessary to perform a periodic inspection.

Check	Checklist
Every day or every 8 hours	A
Quarterly or every 250 hours	A+B
Every six months or every 500 hours	A+B+C
every year or every 1000 hours	A+B+C+D
Every two years or every 2000 hours	A+B+C+D+E

Maintenance inspection report

The maintenance inspection report contains a checklist for each type of periodic inspection. Copy the maintenance inspection report for one inspection. Save the completed form for three years.

Delivery preparation

Basic requirements

It is the responsibility of the seller to perform the delivery preparation. Pre-inspection must be carried out before each delivery, in order to find that any damaged or faulty machine is not allowed to be used before use. If the machine is found to be damaged or faulty, it should be identified and removed from the site of use. The repair machine must be a qualified service technician based on the manufacturer's specifications. The maintenance checklist is performed by a qualified service technician in accordance with the manufacturer's technical parameters and the requirements in the relevant manual.

Instructions for use on the machine

Delivery preparation includes operational inspections, maintenance projects, and functional testing.

Use the table below to record the results. Follow the instructions in the instruction manual. Each completed item is recorded in the corresponding form.

If a project gets "N", the machine must be removed and the center checked after repair. After passing the test, write "R"in the form.

Y=yes

N=no

R=repaired

Program A

A-1

Check each manual

Placing instructions for use is essential for safe operation of the machine and should be placed in a box on the platform dedicated to the manual. Handwritten or missing manuals do not provide the necessary safety and operational information for safe operation.

1. Check and make sure the storage box is installed in the appropriate place on the platform.

2. Check and confirm that the instruction manual is placed in the storage box on the platform intact.

3. Check the pages of each manual to make sure the writing is clear and intact.

4. Return the manual to the storage box after use.

Notice:

If you need to replace the manual, please contact our company.

A-2

Check each sticker

Maintaining all safety and prompt labels is critical to the safe operation of your machine. The label alerts the operator to the hazards encountered during operation and at the same time provides information on the operation and maintenance of the user. A illegible label does not properly guide the operator and may result in unsafe operation.

1. Check the label part in the GTJZ06/08/10/12/14 instruction manual and use the label list and chart to determine the correct position of the label.

2. Check whether all the labels are clear and damaged, and replace the damaged and unwritten labels in time.

Notice:

If you need to replace the label, please contact our company.

A-3

Check for damaged, loose or missing parts


Daily machine condition checks are critical to the safe and reliable operation of the machine. Failure to detect and repair parts that are damaged, loose, or missing in a timely manner may result in unsafe operation.

1. Observe the entire machine to see if there are any parts damaged, improperly installed or missing, including the following parts to be checked:

Electrical parts,Wires and cables

Hydraulic hoses,Pipe joints,Tubing and ,Valve table

Hydraulic tank

Travel motor and reducer

Boom Sliders and Telescopic Axle Sliders

Crash and damage to the machine

Tires and rims

Limit Switches and Horns

Alarms and Lights

Nuts, Bolts and Other Fasteners

Platform fences and gates

Cracks in structural parts and welds

Each cover and latch

A-4

Check hydraulic oil level

It is essential to ensure that the hydraulic fluid is properly operated properly. Improper hydraulic oil can damage hydraulic components. Daily inspections allow the observer to understand the changes in the oil level and discover problems with the hydraulic system.

Note: This procedure is performed with the unit in the loading position.

1. Observe the level gauge on the side panel of the hydraulic tank.

The hydraulic oil level should be 10cm below the top of the level gauge

A-5

Check for hydraulic oil leaks

Checking for hydraulic oil leaks is critical to the safe operation and proper operation of the machine. Failure to find a leak will result in a hazardous situation, impairing machine performance and damaging parts.

1. Observe whether there is hydraulic oil spillage, dripping or residue on the following parts or cycles.

Hydraulic oil--filter, pipe joint, oil pipe, auxiliary power unit all hydraulic cylinder

All hydraulic valve tables

Boom

Drive chassis

Area around the machine

A-6

Check hydraulic filter indicator

Maintaining a normal pressure filter is critical to good system performance and safe operation. The hydraulic filter indicator shows that the hydraulic fluid is blocked by the faulty filter. If the filter is not checked and replaced frequently, the magazine will remain in the hydraulic system and cause damage to the components.

There is a return oil filter on the machine.

Notice:

1. Start the machine from the platform Fuel tank return filter

2, select the machine high idle (rabbit symbol)

3. Check the filter indicator

Result: The indicator pointer should work in the green area. If the pointer is in the red area, the hydraulic filter plug should be replaced.

A-7

Inspection platform and ground control

Testing machine functions and emergency stop switches is critical to the safe operation of the machine. If either function does not work properly or the emergency stop switch does not stop all functions and shuts down the machine, it will cause an

unsafe situation. Any function should operate smoothly and reliably without sloshing,violent and abnormal noise.

1. Turn the key switch to the ground control and the emergency stop switch to “ON”. Start the machine and then manipulate each function of the machine in one cycle.

Result: Every function of the machine runs smoothly

2. Press the emergency stop switch to the off position

Result: Every function of the machine does not work. All actions should stop immediately. The engine stops in 2-3 seconds.

3. Turn the key switch to the platform control and the emergency stop switch to “ON”. The machine is started on the platform and then each function of the machine is manipulated in one cycle.

Result: every function of the machine runs smoothly.

4.Press the emergency stop switch to close the position.

Result: Every function of the machine does not work. As a security feature, selecting and operating ground controls can prioritize platform control.

A-8

Test tilt sensor and alarm

When the turret is tilted more than 3°, the hazard indicator on the platform lights up and alarms.

This test is performed on the ground using a platform controller. Do not stand in the platform.

1. Completely lower the platform.

2. Place a 2*4 or similarly sized piece of wood underneath the two wheels on one side and drive the machine to the machine.

3. Raise the platform

Result: The platform will stop lifting after the platform has risen 3.5 meters from the ground.

A-9

Test operation panel

Testing the operator panel is critical to the safe operation of the machine.

1. Operate the machine on the ground controller and the machine is running normally.

2. The machine is operated on the platform controller and the machine is operating normally.

A-10

Perform monthly maintenance

Monthly maintenance is a procedure that is performed after the machine has been used for 30 or 40 hours.

1. Perform the following maintenance procedures:

A-3 Check for damaged and loose or missing parts.

A-5 hydraulic oil leak

B-2 replaces the hydraulic tank return filter.

B-6 Check rims and tires (including mounting nuts)

D-3 travel reducer and rotary reducer oil level.

Please refer to the "Engine Handling and Maintenance Manual" for details.

A-11

Check battery

This program is required to be executed every 24 hours.

Good battery conditions are critical to the proper functioning of the machine.

Improper electrolyte levels or damaged cables and connections can result in damage and dangerous parts of the machine.

Contact with live wires can result in death or serious injury. Remove all earrings, watches and other jewelry.

The battery contains an acidic liquid to avoid leakage and contact with acidic liquids.

Use soda and water to neutralize the leaked acidic liquid.

Notice:

1. Put on protective clothing and wear a protective eye mask.

2. Make sure that the battery cable connection is not corroded.

3. Make sure the battery is securely installed and the cable connections are tight.

4. Ensure that the battery separator wires are tightly connected.

5. Open the lids of the two sets of battery drains and check the density of each set of battery electrolytes with a liquid densitometer.

Result: If the electrolyte density of any of the batteries is less than 1.086, the battery must be replaced.

6. Check the electrolyte level. If necessary, replenish distilled water from the inlet pipe at the bottom of the battery. Do not overflow. Install the battery drain cover.

Program B

B-1

Replace hydraulic tank return filter

Replacing the hydraulic tank return filter is critical to the machine's normal operation and extended service life. A dirty or clogged filter may cause the machine to malfunction and may result in component damage if continued. Working in very dirty conditions may require frequent filter changes.

Pay attention to the hot oil. Exposure to hot fluid can cause severe burns.

Execute this procedure with the machine turned off

Notice:

1. Open the undercarriage cabinet and find the return filter.
2. Place a suitable container under the hydraulic tank return filter.
3. Remove the oil return filter with a wrench
4. Apply a thin film of oil to the new oil return filter gasket.
5. Install a new oil return filter and tighten it.
6. Wipe off the hydraulic oil that overflows during the execution of this procedure.
7. Read the timer from the filter and record the date and time with permanent ink.
8. Start the machine from the ground controller.
9. Check the filter and related components to ensure no leaks.

B-2

Replace the hydraulic oil suction filter.

Replacing the hydraulic tank suction filter is critical to the machine's normal operation and extended service life. A dirty or clogged filter may cause the machine to malfunction and may result in component damage if continued. Working in very dirty conditions may require frequent replacement of the filter.

Be careful of hot hydraulic oil. Contact with hot hydraulic fluid can cause severe burns.

Notice:

Execute this procedure when the machine is turned off.

1. Open the chassis frame
2. Remove the filter with a wrench
3. Replace the filter as needed
4. install a new filter

B-3

Check electrical wiring

Maintaining electrical wiring is critical to the proper and safe operation of the machine. Failure to detect and replace burned, shattered, corroded or damaged wires in a timely manner may result in unsafe operation and serious injury.

Notice:

Contact with electricity can result in death or serious injury. Remove all earrings, watches and other jewelry.

1. Check the following areas for burns, scratches, corrosion and loose wires: Motor harness Ground controller junction box Valve wiring
2. start the machine from the platform
3. Rotate the key switch to the ground controls to raise the arm.

Do not touch or near the tubing and all moving parts when the arm is lowered.

4. shut down the machine
5. Check the arm for burns, scratches, and corrosion.

6. Start the machine and lower the boom to the loading position.

7. shut down the machine

8. Check the following areas for burns, scratches, corrosion and loose wires: Platform controller junction box Valve wiring

B-5

Check rims and tires (including mounting nuts)

Maintaining the rims and tires is critical to the normal and safe performance of the machine. Problems with the rim or tire can cause the machine to tip over. Parts may be damaged if not discovered and repaired in a timely manner.

Notice:

The machine uses solid tires and does not require inflation.

1. Check all tires for cuts, cracks, punctures and abnormal wear.

2. Check the rims for damage, bending and cracking welds.

3. Check that the mounting nut is tightened with the correct torque.

B-6

Check the oil level in the drive reducer

Improper oil levels in the gear unit can degrade performance and can result in component damage if continued.

Travel reducer

For RR reducers:

1. Drive the machine to rotate the reducer so that the plug above it is at the top and the other at 90°.

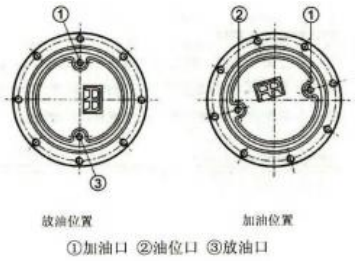
2. Unscrew the horizontal plug and check the oil level.

Result: The oil level is flat with the bottom of the plug.

3. If necessary, unscrew the top plug andadd oil to level the oil level with the bottom of the 90° plug.

4. Install the oil plug.

5. Repeat this procedure for other drive reducers.



①Gas station ②Oil level port ③Oil drain

For INI reducer:

1. Drive the machine so that two of the four screw plugs on the outer end surface of the reducer are in a horizontal position, and two are in a vertical position.

2. Perform steps 2 to 5 of the RR reducer.

B-7

Test selector switch

The flexibility of the selector switch is critical to the safe operation of the machine. Failure of the selector switch may result in hazardous operation. The selector switch is used to control machine operation from the ground or from the stage.

1. Turn the emergency stop switch on the platform and ground controls to the "ON" position.

2. Turn the selector switch to the ground controls. Start the machine and turn the selector switch to the platform controller.

3. Check any function from the ground controller.

Result: The machine function should not run.

4. Check any function from the platform controller.

Result: The machine function should be running.

5. Turn the selector switch to the ground controls.

6. Check any function from the platform controller.

Result: The machine function should not run.

7. The ground controller checks for any function.

Result: The machine function should not run.

B-8

Test emergency stop button

The emergency stop button function is critical to the safe operation of the machine. Failure of the emergency stop button will not shut down the machine and stop the machine function. A situation that would pose a danger to the platform and ground crew

Notice:

Selecting and operating the ground controller takes precedence over the platform controller, including the emergency stop button.

1. Start the machine from the ground controller.
2. Push the emergency stop button to the "OFF" position.
3. Start the machine from the platform controller.
4. Push the emergency stop button to the "OFF" position.

Result: The machine should stop and perform without any machine functions

The ground controller emergency stop switch can stop all machine functions, even if the selector switch is turned to the platform controller.

B-9

Test ground control priority

Proper use of ground control priority functions is critical to safe machine operation. The purpose of ground control prior to function is to operate the ground operator to operate the machine regardless of whether the platform emergency stop switch is closed. This function is mainly used when the operator on the platform cannot return the boom to the loading position.

1. Press the emergency stop switch on the platform to the "OFF" position.
2. Start the machine from the ground controller.
3. Operate the boom function.

Result: All arm functions should be performed.

B-10

Test security device protection

Testing safety equipment protection is critical to the safe operation of the machine. If the machine is allowed to operate without the safety switch operating properly, the stability of the machine will be greatly affected and tipping may occur.

1. The chassis tilt sensor

2. If the chassis is tilted more than 3°, it will alarm and the boom cannot be raised.

2. The machine cannot be driven into uneven ground under the working condition. The arm frame should be gathered before entering the uneven ground.

B-11

Test speaker

The speaker function is critical to the safe operation of the machine. Press the horn button on the platform controller and its sound sounds on the ground to warn the ground crew. Failure of the horn function does not allow the operator to send an unsafe warning signal to the ground personnel.

1. Turn the key switch to the platform controller and turn the platform and ground emergency stop switch to the "ON" position.

2. Press the horn button on the platform controller.

Result: The horn will sound.

B-12

Test machine idle selection

Proper execution of the machine idle selection function is essential for proper machine operation and safe machine operation. Low idle (turtle symbol) allows the operator to operate the boom and/or drive functions simultaneously. This button maintains a continuous low idle speed.

High idle speed (rabbit symbol) should be used when the machine is operating normally.

This selection button activates high idle.

1. Rotate the selector switch to the ground controls.

2. Turn the emergency stop switch on the ground and platform controls to the "ON" position.

3. Start the machine from the ground controller.

4. Move the selection button.

Result: The machine becomes high idle

5. Then pull the selection button

Result: the machine returns to low idle

6. Screw the selector switch to the platform controller.

7. Press the machine idle selection button until the low idle (turtle symbol) is selected.

Result: The machine should become low idle.

8. Press the machine idle selection button until the high idle (rabbit symbol) is selected.

Result: The machine strain is high idle.

B-13

Test drive boot system

A suitable drive start system is critical to the safe operation of the machine. Improper drive activation of the system may cause the machine to move unsafely.

When the boom is rotated beyond the end of the tire and the machine is still moving, the indicator light will illuminate and the drive function will be mechanically executed until the control handle returns to neutral.

1. Start the machine from the platform controller.

2. Lower the boom to the loading position.

Result: The drive limit indicator lights up at any position in the area.

4. The mobile drive control handle leaves the center.

Result: Can't drive.

5. Press the drive start button and slowly move the drive control handle away from the center.

Result: The drive function is executed.

B-14

Test walking brake

Proper braking is critical to the safe operation of the machine. The brake function should be smooth, no sloshing, no violent and abnormal noise. This machine drives the reducer with its own hydraulic brake.

Choose a test area that is sturdy, level, and free of obstacles.

Notice:

1. A test on the ground is used as a reference.

2. start the machine from the platform controller

3. Press the engine idle selection button to select high idle, then lower the boom to the loading position.

4. Select a point on the machine, such as the tire center, as a reference point for use when the test line is exceeded.

5. Adjust the speed of the machine to the maximum before the machine reaches the test line. Release the drive handle when the reference point on the machine you selected exceeds the test line.

6. Measure the distance from the reference point on the machine to thetest line after the machine stops.

Result: The braking distance should be between 1.2 and 1.8 m. The brake must be able to brake on any slope that the machine can go up

B-15

Test walking speed - loading position

Proper drive function actions are critical to the safe operation of the machine. The drive function should respond quickly and smoothly to the operator's operation. And no shaking, no violent and abnormal noise.

Notice:

1. Draw two lines separated by 12.2m on the test ground as the test line for starting and ending.

2. Start the machine from the platform.

3. Press the machine idle selection button to select high idle, then lower the boom to the loading position.

4. Select a point on the machine, such as the tire center, as a reference point for use when the test line is exceeded.

5. When the machine reaches the start line, adjust the travel speed to the maximum, and start timing when the reference point on the machine enters the start line.

6. Continue at full speed and record the time required when the reference point crosses the termination line.

Result: The drive speed is 12.2m/7s

B-16

Test the walking speed---the boom is raised

Proper drive function actions are critical to the safe operation of the machine. The drive function should respond quickly and smoothly to the operator's operation. And no shaking, no violent and abnormal noise.

Notice:

1. Draw two sets of start and end lines on the test ground, which are 12.2m and 3m apart.

2. Start the machine from the platform.

3. Press the machine idle selection button to select high idle speed.

4. Raise the boom until the machine speed switches to low idle.

5. Select a point on the machine, such as the tire center, as a reference point for use when the test line is exceeded.

6. When the machine reaches the start line, adjust the driving speed to the maximum, and start timing when the reference point on the machine enters the beginning.

7. Continue at full speed and record the time required for the reference point to cross the termination line.

Result: The driving speed is 0.8km/h。

B-17

Test the alarm (if installed)

Alarms include:

Driving alarm

Alarm buzzer

Alarms and buzzers are used to warn operators and ground personnel that they are approaching or moving.

Alarms and buzzers work when the machine is turned on and off

Notice:

1. Start the machine on the platform and then operate the machine to walk.

Result: driving alarm

2. If the platform is overweight or the whole machine is tilted or the platform is not horizontal.

Result: Alarm buzzer alarm.

Result: The alarm buzzer is on and should not continue to operate。

B-18

Hydraulic oil analysis

See E-1 for details or check and replace

hydraulic oil.

Program C

C-1 replacement hydraulic hose

Maintaining hydraulic hoses is critical to the normal and safe machine. No use of worn, ruptured or leaking fuel hoses

may result in unsafe operation. Wipe any hydraulic oil that has overflowed during the execution of this procedure.

Execute this procedure with the machine turned off.

Program D

D-1

Check the work bar slider and scroll wheel

Maintaining the work bar sliders and rollers is critical to the safe operation of the machine. Each slider and roller are located on the surface of the work bar to form a friction pair. Inappropriate slider gaskets or the continued use of old sliders can result in component damage and unsafe operation.

Notice:

1. Extend the extension station.
2. measuring each slider workbar slider parameters Slider minimum thickness 10mm
3. If the thickness is less than the specification, replace the slider in time.
4. Check if the rollers are worn and damaged.
5. Extend the workbench over the entire range of motion to detect critical parts that may cause the extension to get stuck.

D-2

Check the freewheel device (if you have this function)

Proper use of the freewheeling device is critical to the safe operation of the machine. The freewheel device is mainly used for traction transportation. Machines that do not follow the operational knowledge to set up a free wheel may result in death or serious injury.

Notice:

1. Fix the wheel with wooden blocks to prevent the machine from rolling.
2. Place a 10 ton jack near the legs of the rim near the rim.
3. Lift the rim off the ground and place the wooden block under the

①Normal use condition

②Free wheel condition chassis.

4. The rotating travel reducer separate cover is separated from the travel reducer.
5. Turn the rim by hand.

Result: The rim can be rotated with a small force.

6. The rotating travel reducer separate cover engages the travel reducer. Rotate each rim to check if it is joined. Jack up the machine and remove the block. Lower the machine.

D-3

Replace walking gear oil

Improper oil level in the gear unit will reduce the machine's performance. If it continues to be used, it will cause damage to the parts.

Drive reducer

1. Drive the machine to rotate the reducer so that the plug above it is at the top and the other is at 90°.

2. Unscrew the horizontal plug and check the oil level.

Result: The oil level is flat with the bottom of the plug.

3. If necessary, unscrew the top plug and add oil to level the oil level with the bottom of the 90° plug.

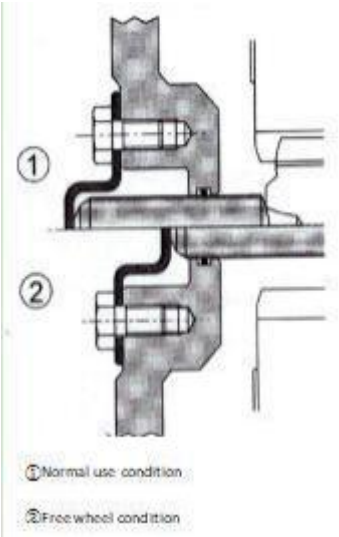
4. the oil plug is installed

5. Repeat this procedure for other drive reducers.

Program E

E-1

Check and replace hydraulic oil



Checking and replacing hydraulic oil is essential for proper operation and extended service life. Dirty hydraulic fluids and strainers may cause the machine to malfunction and continued use may result in damage to components.

A particularly dirty working environment requires frequent replacement of hydraulic oil. Perform this procedure with the boom in the loading position. When removing the hose and fitting, the 0-ring on the hose and fitting must be replaced.

Notice:

1. Open the chassis of the chassis
2. Close the hydraulic shut-off valve located on the fuel tank
3. Remove the drain plug and drain the oil into a suitable container to view the volume specification.
4. Disconnect the wires from the horn, remove the horn fastening bolts, and remove the horn.
5. Disconnect and plug the two suction pipes.
6. Disconnect and plug the power unit supply pipe.
7. Disconnect and plug the return oil return to the oil return pipe.
8. Remove the hydraulic tank air filter
9. Remove the hydraulic tank fastening bolts.
10. Remove the fuel tank from the machine
11. Remove the return filter from the hydraulic tank.
12. Remove the oil drain filter
13. Remove the suction filter from the fuel tank and clean it with a suitable liquid.
14. Flush the inside of the tank with a suitable liquid.
15. Install the hydraulic tank to the machine.
16. install the fuel tank fastening bolt
17. Install the speaker and connect the wires.
18. Install the return line to the return filter.

17.Product Specifications

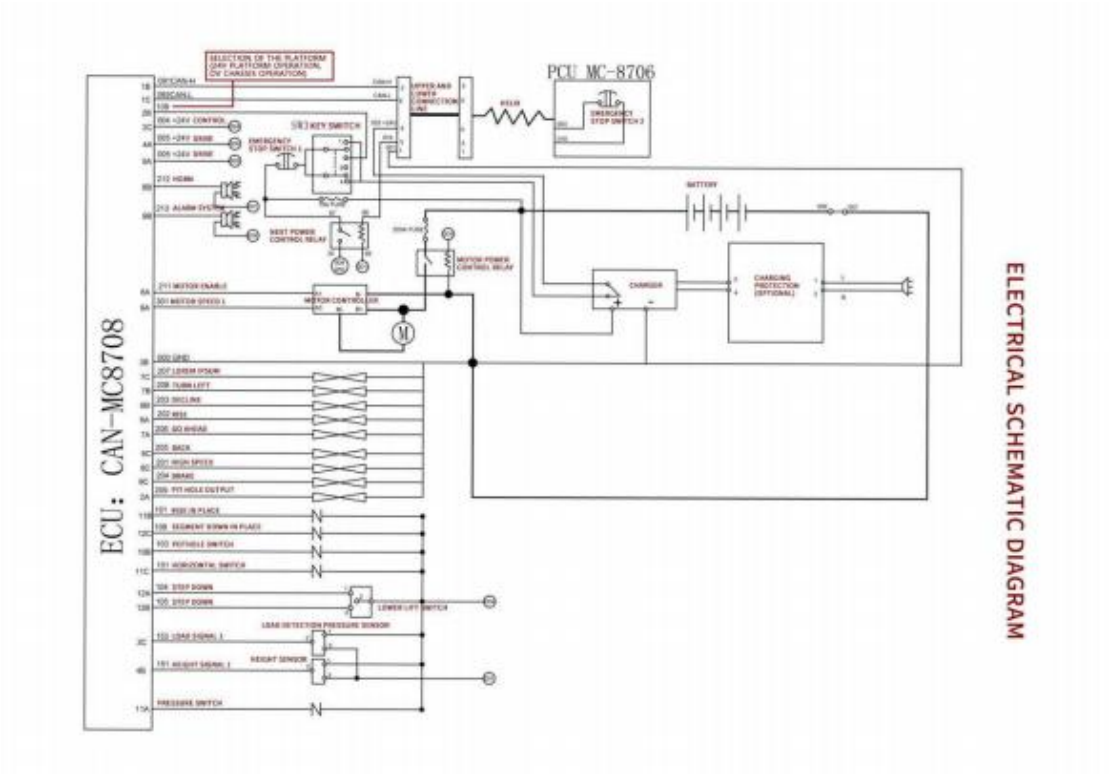
Model	GTJZD03 (Oil cylinder steering)	GTJZD03A (Universal wheel)	GTJZD04 (Oil cylinder steering)	GTJZD04A (Universal wheel)
Safe working load	230kg	230kg	230kg	230kg
Extended Platform Safe Working Load	113kg	113kg	113kg	113kg
Max. number of employees	2	1	2	1
Max. platform height	3m	3m	4m	4m
Max. working height	5m	5m	6m	6m

Model	GTJZ06A	GTJZ06
Max. working height	8.00m	8.00m
Max. platform height	6.00m	6.00m
Safe working load	380kg	550kg
Extended Platform Safe Working Load	113kg	113kg
Platform size(L ×W ×H)	2.29×0.81×1.1m	2.29×1.13×1.1m
Overall dimensions (L×W×H, Guardrail is not folded)	2.48×0.81×2.18m	2.48×1.19×2.19m
Overall dimensions(L×W×H; Guardrail folded)	2.48×0.81×1.73m	2.48×1.19×1.68m
Platform extension size	0.9m	0.9m
Min. ground clearance	0.1/0.02m	0.1/0.02m
Wheelbase	1.89m	1.89m
Turning Radius (Inner Wheel/Outer Wheel)	0/3.1m	0/2.2m
Lifting /driving motor	24V/4.3kw	24V/4.3kw
Lifting speed	3-5m/min	3-5m/min
Machine Travel Speed (Collapsed State)	3.5km/h	3.5km/h
Machine Travel Speed (Lifting State)	0.8km/h	0.8km/h
Battery	4×6V/225ah	4×6V/225ah
Charger	24V/30A	24V/30A
Max. grade ability	25%	25%
Max. angle of inclination	1.5°/3°	1.5°/3°
Tires	Φ381×127mm	Φ381×127mm
Total Weight	1880kg	2050kg

Model	GTJZ08A	GTJZ08
Max. working height	10.00m	10.00m
Max. platform height	8.00m	8.00m
Safe working load	230kg	450kg
Extended Platform Safe Working Load	113kg	113kg
Platform size(L ×W ×H)	2.29×0.81×1.1m	2.29×1.13×1.1m
Overall dimensions(L×W×H, Guardrail is not folded)	2.48×0.85×2.3m	2.48×1.19×2.32m
Overall dimensions(L×W×H; Guardrail folded)	2.48×0.85×1.85m	2.48×1.19×1.82m

Model	GTJZ10	GTJZ12	GTJZ14
Max. working height	12.00m	13.80m	15.8m
Max. platform height	10.00m	11.80m	13.8m
Safe working load	320kg	320kg	227kg
Extended Platform Safe Working Load	113kg	113kg	113kg
Platform size(L ×W ×H)	2.29×1.13×1.1m	2.29×1.13×1.1m	2.67×1.13×1.1m
Overall dimensions (L×W×H, Guardrail is not folded)	2.495×1.19×2.45m	2.495×1.19×2.585m	2.84×1.4*2.595m
Overall dimensions(L×W×H; Guardrail folded)	2.495×1.19×1.92m	2.495×1.19×2.05m	2.84×1.4*2.06m
Platform extension size	0.9m	0.9m	0.9m
Min. ground clearance	0.1/0.02m	0.1/0.02m	0.1/0.02m
Wheelbase	1.89m	1.89m	2.26m
Turning Radius (Inner Wheel/Outer Wheel)	0/2.2m	0/2.2m	0/2.7m
Lifting /driving motor	24V/4.3kw	24V/5.0KW	24V/5.0KW
Lifting speed	3-5m/min	3-5m/min	3-5m/min
Machine Travel Speed (Collapsed State)	3.5km/h	3.5km/h	3.5km/h
Machine Travel Speed (Lifting State)	0.8km/h	0.8km/h	0.8km/h
Battery	4×6V/225ah	4×6V/300ah	4×6V/300ah
Charger	24V/30A	24V/30A	24V/30A
Max. grade ability	25%	25%	25%
Max. angle of inclination	1.5°/3°	1.5°/3°	1.5°/3°
Tires	Φ381×127mm	Φ381×127mm	Φ381×127mm
Total Weight	2500kg	3100kg	3390kg

18.Schematic



ELECTRICAL SCHEMATIC DIAGRAM