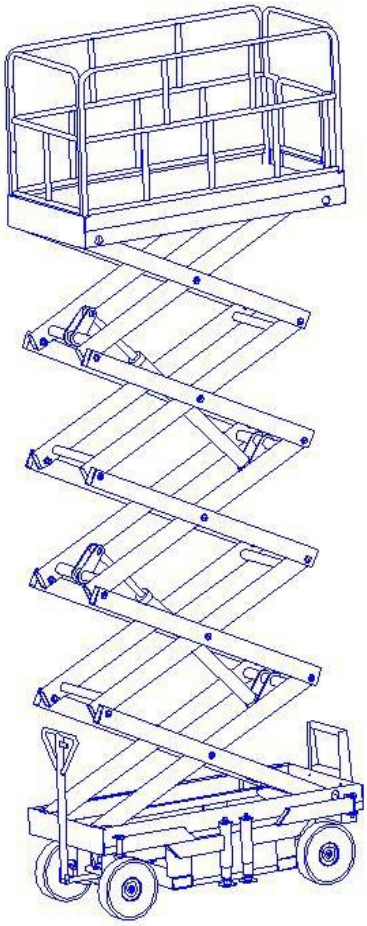
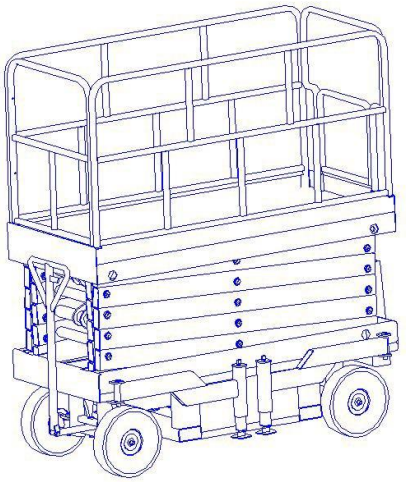
SCISSOR LIFT

USER MANUAL





These safety rules and operating and maintenance instructions should be read, understood and followed before operation or maintenance. Only trained and authorized personnel are permitted to operate or service this equipment. If you have any questions, please contact us.

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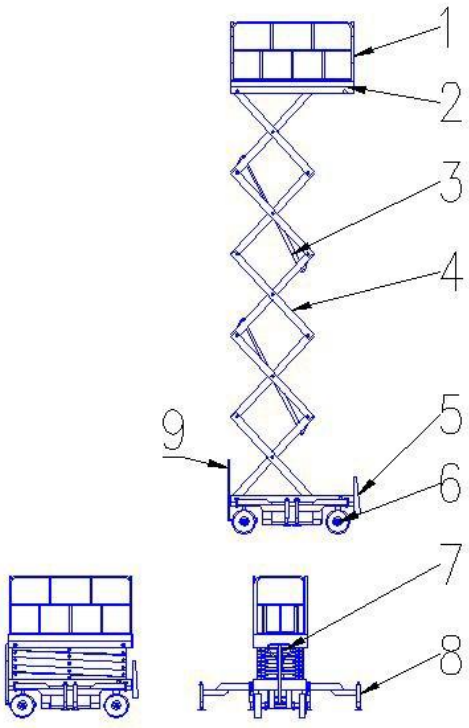
1. Overview

SJY type rear axle auxiliary walking aerial work platform is an aerial work platform that is installed on a specific self-made chassis and drives the rear axle to assist walking through a motor. A speed control handle is installed on the tow bar, and the angle of the handle is rotated to realize the speed of walking. The equipment solves the problem of difficulty in moving when changing locations within a short distance. The rear axle auxiliary walking platform allows only one person to realize the functions of forward, backward and steering of the equipment, which is the characteristic of this product.

2. Name of the main organization of the product



1. Guardrail 2. Platform 3. Lifting cylinder 4. Scissor set 5. Ladder 6. Tire 7. Handle 8. Outrigger 9. Tow bar

3.Lifting operation safety rules

1. Precautions

Do not lift the work vehicle unless it is placed on a level and solid ground.

It is strictly forbidden to operate on unstable ground, especially the ground with hollow and uneven ground.

When overhauling the work platform, it must be shut down for overhaul.

It is strictly forbidden to use the work platform as a welding ground wire.

Lifting operation is strictly prohibited when the wind power at the workplace is greater than level 5 or above.

It is strictly forbidden to operate in thunderstorm days.

It is strictly forbidden to move the equipment or fold the outriggers during lifting operations with objects and people.

Do not lift before the outriggers are opened and adjusted to the level.

It is strictly forbidden to sit, stand or climb over the edge of the working bucket.

Overload operation is strictly prohibited.

It is strictly forbidden to hang various items outside the work bucket.

It is strictly forbidden to make any modification to the device that affects the stability.

It is strictly forbidden to block people and objects under the working arm and the lower part of the bucket during operation to avoid danger.

The hydraulic lifting platform (the platform) has been inspected and debugged before leaving the factory, and all the technical indicators have reached the design requirements. Please follow the following steps when using it.

1. Inspection: When the platform is used for the first time (after long-distance transportation or long-term placement), the hydraulic pipeline and electrical system should be carefully checked to ensure that the hydraulic pipeline and joints are free from leakage and the electrical circuit is not loose before use.

2. Open the outriggers: the outriggers should be fully opened to the baffle position, and supported on a solid ground. If necessary, sleepers can be used, and the outrigger screws can be adjusted to the level. Warning----- Unsupported legs are strictly prohibited.

3. Test run: (1) point, press the "up" control button on the control handle below the platform, release the "up" button when it rises to a height of about 5 meters, and check whether the hydraulic pipeline, each connector and electrical circuit have Leakage, scraping and pressing phenomenon, make sure that the platform is vertical and vertical (visual inspection can be done) before continuing to lift to the maximum height of the platform. This step must be repeated when the platform is used for the first time or when changing locations. (2) Click and press the "Drop" control button of the platform control handle, and the platform will drop.

4. Lifting operation: After the platform has undergone the third step of commissioning 1-3 times, the lifting and lowering work can be carried out after confirming that there is no abnormality.

1. When the platform is loaded with cargo, the center of gravity of the cargo should be at the center of the work surface, and it is forbidden to move the cargo during the lifting and lowering of the platform.

2. When the platform is manned for operation, the movable door of the guardrail of the workbench must be tightly locked to ensure that people and

objects do not fall, and it is forbidden to walk or shake during the lifting and lowering of the platform.

3. When the platform stops working at a certain height, the "stop" button of the "triple" control handle on the workbench must be pressed to lock the platform to prevent misoperation below.

4. After the operation is completed, click and press the "drop" control button and the platform will fall back to the original height, press the stop control button, disconnect the power supply connected to the platform, and retract the outriggers to store the platform properly.

4、Maintain safety rules

1. The equipment should be operated and maintained by specially trained personnel.

2. During the use of the equipment, oil and lubricate the shaft pins every 3 months.

3. The hydraulic oil should be replaced every six months. Use 32# anti-wear hydraulic oil in winter and 46# anti-wear hydraulic oil in summer.

4. When the equipment is not in use, it should be stored properly, with a dust cover and supporting legs. Outdoor storage is strictly prohibited.

5. Check and maintain the platform once a week or a year according to the frequency of use of the platform.

[1] Check whether the pin nuts at each link of the platform are loose or fall off

[2] Check whether the hydraulic pipeline is broken, and whether each joint has oil leakage or looseness

【3】Check whether the hydraulic pipeline is connected or exposed

【4】Check whether the connectors of the electric panel box are loose, and whether the indicator light works normally

[5] Check whether the control handles and buttons of the electrical and hydraulic valve blocks are flexible in operation

【6】Check whether the upper and lower limit switches of the platform are loose or damaged

【7】Check the lubrication condition of the platform support rod pin and cylinder pin, and inject enough lubricating oil

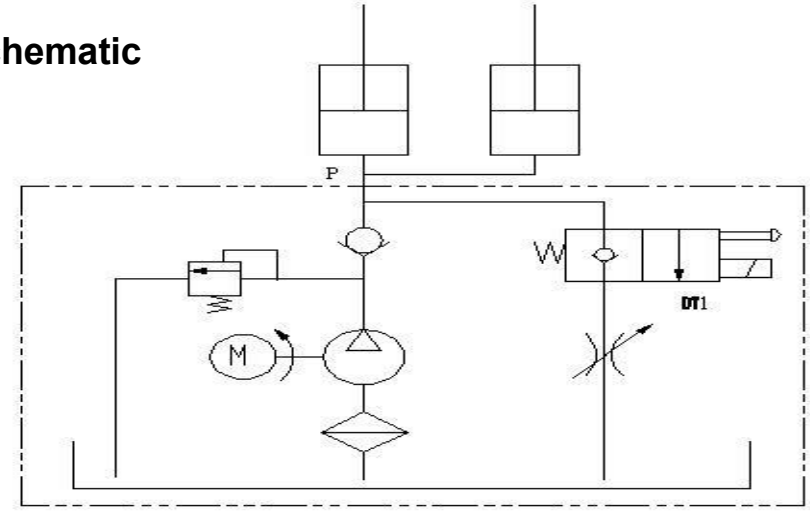
[8] Keep the platform and the glide path always in a lubricated state, and the rollers and the glide path must not lack lubricating oil

5、Common fault analysis and handling

Fault phenomenon	Failure analysis	Approach
Walk	1. The rear axle motor does not rotate 2. Walking slow and stagnant 3.The speed of the control handle	1. Check the circuit and motor Observe the power of the electricity meter, 2.whether it needs to be charged 3. Replace the control handle
No pressure or insufficient pressure in the system	1. The oil pump motor does not work 2. The suction pipe or filter is blocked 3. The oil suction joint sucks in air 4. The viscosity of the oil is too high or the temperature rise is too high	1. Check the oil pump motor 2. Check, clean or replace the filter 3. Check and tighten the joints 4. Select the correct hydraulic oil to control the temperature rise
The working arm cylinder vibrates or the lifting speed is too fast or slow	1. There is air in the cylinder 2. The throttle valve is opened too large during the descent 3. The setting value of the throttle valve does not match during the rising and falling process	1. Make the hydraulic cylinder move several times (the cylinder must move to the limit position) 2. Adjust the opening value of the one-way throttle valve 3. Re-adjust the opening value of the throttle valve
The working arm cylinder slides down during the work	1. There is a foreign body in the support valve, which cannot be locked 2. Internal leakage of support valve 3. Inner leakage of oil cylinder	1. Remove the support valve core and clean it. Exclude foreign bodies 2. Replace the seal or change the valve 3. Replace the seal or change the cylinder
Outrigger cylinder slides down during work	1. Hydraulic lock leaks 2. Outrigger cylinder leaks or change the cylinder	1. Replace hydraulic lock 2. Replace the oil cylinder seal
The solenoid valve does not change direction	1. The spool of the spool valve is stuck 2. The centering spring with the intermediate position fails 3. The electromagnetic coil	(1) Disassemble to remove dirt and burrs (2) Replace the spring (3) Replace the coil (4) Check the cause and rule it out

Pipe joint and valve body plane leakage	1. The pipe joint is not tightened enough 2. The inner seal of the pipe joint is damaged 3. The flatness accuracy of the valve body and the valve plate is not enough 4. The steps of the valve	➢Tighten the joint ➢Replace the seal ➢The valve plate surface is re-developed ➢Repair the valve plate, expand the counterbore to replace the seal if possible
The pressure of the relief valve of the drop-off valve fluctuates or the adjustment is invalid	**1.** The spring is bent or too soft **2.** The oil is not clean and the orifice is blocked **3.** The slide valve is stuck **4.** Reverse installation of	2. Replace the spring 3. Disassemble and clean, clear the damping hole 4. Disassemble, clean, check, and reassemble 5. Check the oil source and

6、Hydraulic schematic



Respected user:

The company's products meet the national industry standard of JT/B9229-2013. In the process of use, please operate and maintain according to the requirements of the instruction manual, and it is strictly forbidden to disassemble each hydraulic component at will! Otherwise, cause the consequences at your own risk! For the quality problems of the company's products, we promise users a one-year warranty (human failure, motor, electrical burnout, tire and battery feed, etc. are not covered by the warranty), and provide lifetime maintenance services!