UpRight
POWERED ACCESS

PAX 6/PAX 8/ PAX 10

Operator Manual

(EN) Manual part number 510676-000-EN for serial numbers 10001 to current.

CONTENTS

Section 1

DESCRIPTION

Introduction

This handbook provides information on the safe operation of this work platform. Operators should read and understand all of the information contained within this manual prior to operating the work platform.

The handbook contains several warnings; these indicate situations which if not avoided could result in serious injury or death to persons, or damage to the machine or property.

Additional copies of this handbook are available from the manufacturer at the address below.

Information contained in this handbook is based on the latest product information at time of publication. Operate a policy of continuous improvement and therefore reserve the right to make product changes at any time without obligation.

Description

This is a scissor lift type work platform, which is maneuvered manually into work positions and elevated and lowered using an electro-hydraulic control system.

The standard machine includes the following standard features

- 240 kg safe working load
- 3.73 / 4.5 /5 meter working height
- 1.62 / 1.64 meter stowed height
- Easily maneuverable
- Pass through standard doors
- Simple operation
- Steel guard rails
- Non-slip platform
- Swivel wheels
- Brakes on two wheels
- Manually operated stabilizers
- Integral battery charger
- Emergency lowering facility
- Easily transportable
- Low maintenance
- Complies with EN280:2001

Intended use

The machine has been designed to comply with the safety requirements of European Standard EN280:2001 Mobile scissor lift.

The machine is intended to be used to lift persons, plus essential tools & materials, to enable work to be undertaken at height. Typical applications will include maintenance, cleaning, painting, etc. at varying heights above ground level.

WARNING

THE MACHINE MUST NOT BE USED IN APPLICATIONS OR FOR USES OUTSIDE OF THE SCOPE OF THIS HANDBOOK. SHOULD A CERTAIN APPLICATION NOT BE COVERED, THEN THE MANUFACTURER SHOULD BE CONTACTED.

Training

It is essential that persons operating this machine are fully trained in the setting up, safe use and inspection of this machine.

A full Operator's, Safety & Maintenance manual is provided with the equipment.

WARNING

OPERATION OF THIS MACHINE BY UNTRAINED OPERATORS MAY RESULT IN SERIOUS INJURY OR DEATH.

Modifications

No modifications must be made to this machine unless the manufacturer has given full written approval. If in doubt contact the manufacturer for advice.

Manufacturer's address

UPRIGHT POWERED ACCESS

Vigo Centre,

Birtley Road,

Washington,

Tyne & Wear,

NE38 9DA,

U.K.

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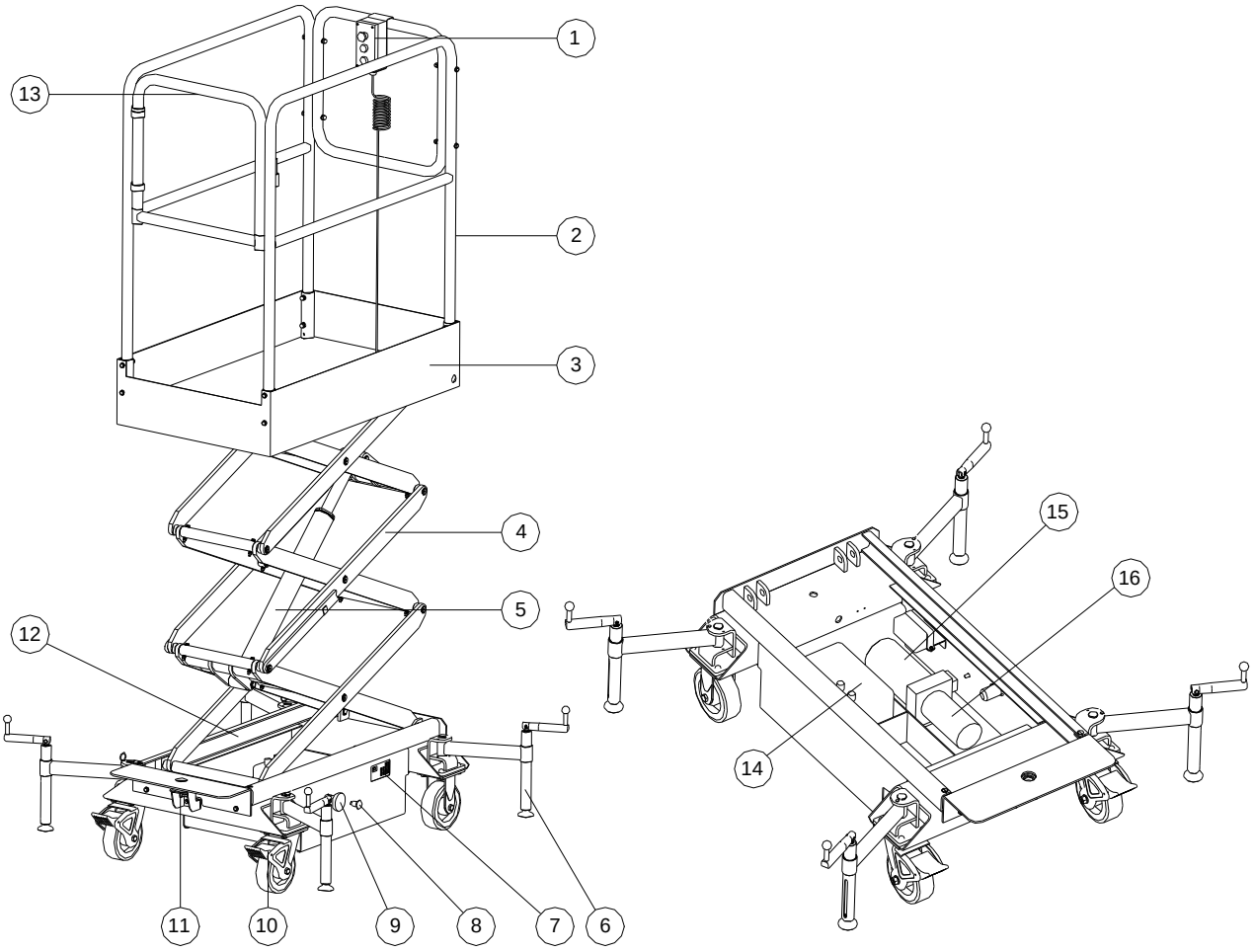
Terminology



1. Control box
2. Guard rails
3. Work platform
4. Scissor assembly
5. Lift cylinder
6. Outrigger(PAX 8 / 10)
7. Battery Charger
8. Emergency lower knob
9. Battery Isolation switch
10. Brake
11. Spirit level
12. Chassis
13. Access gate
14. Battery
15. Hydraulic tank
16. Pump/motor unit

Section 2

SPECIFICATION

Technical data – PAX 6

Safe working load (SWL)	240 kg
equivalent to	1 person + 160 kg tools & materials
Maximum platform height	1.73 m
Maximum working height	3.73 m
Platform length	1.0 m
Platform width	0.6 m
Platform guard rail height	1.10 m
Toe board height	0.15 m
Maximum allowable manual force	200 N
Maximum allowable wind speed	0 m/s
Maximum allowable chassis inclination	0°
Electrical system	12 V DC
Motor	0.8 kW
Batteries	1 x 95 Ah
Battery charger	12V 15A 115 - 230 V ac
Hydraulic system	
- Maximum pressure	250 bar
- Reservoir capacity	1.0 l
Function speeds (approx.)	
- Raise	12 s
- Lower	8 s
Overall length (stowed)	1.14 m
Overall height (stowed)	1.62 m
Overall width (stowed)	0.70 m
Overall mass (GVW)	220 kg
Maximum wheel load	350 kg

Technical data – PAX 8

Safe working load (SWL)	240 kg
equivalent to	1 person + 160 kg tools & materials
Maximum platform height	2.5 m
Maximum working height	4.5 m
Platform length	1.0 m
Platform width	0.6 m
Platform guard rail height	1.10 m
Toe board height	0.15 m
Maximum allowable manual force	200 N
Maximum allowable wind speed	0 m/s
Maximum allowable chassis inclination	0°
Electrical system	12 V DC
Motor	0.8 kW
Batteries	1 x 95 Ah
Battery charger	12V 15A 115 - 230 V ac
Hydraulic system	
- Maximum pressure	180 bar
- Reservoir capacity	1.3 l
Function speeds (approx.)	
- Raise	24 s
- Lower	25 s
Overall length (stowed)	1.14 m
Overall height (stowed)	1.64 m
Overall width (stowed)	0.70 m
Overall mass (GVW)	280 kg
Maximum wheel load	350 kg

Technical data – PAX 10

Safe working load (SWL)	240 kg
equivalent to	1 person + 160 kg tools & materials
Maximum platform height	3.0 m
Maximum working height	5.0 m
Platform length	1.14 m
Platform width	0.6 m
Platform guard rail height	1.10 m
Toe board height	0.15 m
Maximum allowable manual force	200 N
Maximum allowable wind speed	0 m/s
Maximum allowable chassis inclination	0°
Electrical system	12 V DC
Motor	0.8 kW
Batteries	1 x 95 /120 Ah
Battery charger	12V 15A 115 - 230 V ac
Hydraulic system	
- Maximum pressure	180 bar
- Reservoir capacity	1.7 l
Function speeds (approx.)	
- Raise	32 s
- Lower	40 s
Overall length (stowed)	1.14 m
Overall height (stowed)	1.64 m
Overall width (stowed)	0.70 m
Overall mass (GVW)	290 kg
Maximum wheel load	350 kg

Operating site

Select a site for the machine from which the platform will be able to reach the required work area. A visual inspection of the operating site should be made before setting up the machine. Particular attention should be given to the following items

1. Ground conditions

Ensure that the ground on which the machine is to operate is capable of supporting the weight of the machine (including the weight of the operator plus tools & materials). Be aware of floors or coverings (e.g. manhole covers) that may not withstand point loadings exerted by the castor wheels.

The PAX 8 machine is fitted with four stabilizers to improve machine stability. Ensure that the stabilizer beams and legs are fully deployed before the work platform raise. It is essential that each of the four stabilizer feet are located on firm, solid ground. Failure to ensure this may result in machine instability.

2. Ground flatness

This machine must only be operated on flat (0º chassis inclination) and level surfaces. The allowable chassis inclination is indicated when the spirit level bubble is within the marked limits. All castor wheels must be in full contact with the ground.

3. Overhead obstructions

Ensure that adequate clearance is available above and around the platform before elevation.

Noise and vibration

Noise levels emitted from this machine do not exceed 70 dB(A).

Limitations

This machine is intended for use **INDOORS ONLY**, and must not be used outdoors as wind forces may make it unstable.

This machine has been tested for Electromagnetic Compatibility (EMC) however, operation near to high powered radio transmission apparatus (e.g. radar, antennae) or within strong electrical and/or magnetic fields may affect some features of this product.

WARNING

THIS MACHINE HAS NOT BEEN DESIGNED FOR OPERATION WITHIN POTENTIALLY EXPLOSIVE ATMOSPHERES

WARNING

THIS MACHINE IS NOT ELECTRICALLY INSULATED AND MUST NEVER BE USED FOR LIVE LINE WORKING. DEATH OR SERIOUS INJURY CAN RESULT FROM CONTACT WITH, OR INADEQUATE CLEARANCE FROM, ELECTRICAL CONDUCTORS

Section 3

SAFETY RULES

NEVER exceed the rated capacity (Safe Working Load or SWL) of the platform.

NEVER use this machine as a 'crane' (e.g. by suspending loads from beneath the platform).

NEVER make any attempt to increase the working height or outreach of the platform (e.g. by use of stepladders in the platform).

NEVER maneuver this machine on an inclined surface otherwise it may become uncontrollable.

NEVER maneuver this machine whilst in its elevated position, as this may cause instability.

NEVER maneuver this machine with a person or materials in the platform.

NEVER enter or exit the platform unless the platform is in the lowered and transport position.

NEVER apply external side loads to the platform or scissor structure.

NEVER allow persons at ground level to operate the controls whilst the platform is occupied (unless in an emergency situation).

NEVER operate this machine outdoor, it has not been designed to withstand wind loading.

ALWAYS undertake the daily checks recommended in this handbook prior to operation of the machine.

ALWAYS ensure that all instructions, warning and Safe Working Load decals are clean and legible.

ALWAYS ensure the machine is positioned on adequate ground to support the weight of the machine.

ALWAYS ensure that sufficient clearance is given if working near to live conductors.

ALWAYS ensure that castor brakes have been engaged before elevating the work platform.

ALWAYS ensure that the platform does not come into contact with fixed objects (e.g. buildings, etc.) or moving objects (e.g. vehicles, other plant equipment, etc.).

ALWAYS replace any removable guard rails (e.g. close & lock access gate) to enable full edge protection to be maintained.

ALWAYS ensure that the load is evenly distributed within the platform.

ALWAYS ensure the safety of persons that may enter the area around the platform (e.g. cordon off areas to prevent persons entering the danger area).

ALWAYS ensure hands are within the confines of the guardrails whilst elevating the work platform.

Section 4

OPERATING INSTRUCTIONS

Daily checks

Prior to operating the machine, the following items must be checked

- Structure (e.g. damage, cracks, corrosion, abrasion, welds, connections)
- Platform (floor, rails)
- Castors (smooth movement, damage)
- Brakes
- Hydraulic oil
- Limited switch
- Oil leaks
- Battery condition
- Raise and lower functions
- Emergency stop and lowering functions
- Safety decals
- Stabilizers (if equipped)

The raise and lower functions can be tested by removing the upper control box from its holder in the work platform and using the controls whilst at ground level.

NOTE – unless in an emergency situation, this practice must not be employed when a person is in the work platform.

If the above pre-use checks reveal malfunctions or damage on the machine, then the machine must not be used until the problem is rectified. If in doubt, seek further assistance from the manufacturer.

If safety decals are no longer legible or missing then contact the manufacturer for replacements.

The DAILY CHECKS page in Section 7 of this handbook may be photocopied to provide an aide memoir for operators when undertaking these important checks.

WARNING

BEFORE OPERATING YOUR MACHINE, YOU MUST ENSURE THAT YOU HAVE BEEN ADEQUATELY TRAINED IN ITS USE AND HAVE FULLY READ AND UNDERSTOOD THIS OPERATOR'S HANDBOOK, PAYING PARTICULAR ATTENTION TO SECTION 3 - SAFETY RULES.

Maneuvering the platform

Maneuver the platform into position using both hands on the platform rails. Take care to avoid trapping hands or feet whilst maneuvering the platform.

Never maneuver the machine whilst it is elevated or with a person, tools or materials in the platform.

Engaging the brakes

Always ensure that both front castor brakes are engaged before elevating the work platform to prevent any inadvertent movement.

The brakes are on by pushing down on the lever and off by pulling up the lever.

Deploying the stabilizers

The PAX 8 /PAX 10 machine is fitted with four stabilizers, each of which must be fully deployed before the work platform can be raised. To deploy each stabilizer, follow the steps below –

1. Pull out the pin on the stabilizer beam housing.
2. Turn the beam outwards until it locks in position.
3. Push the pin on the stabilizer beam housing.
4. Wind handle clockwise until hand tight.

The stabilizers provide additional stability for the machine, and it is not necessary to raise the castors off the ground.

Repeat the above steps for each stabilizer.

Stowing the stabilizers

WARNING

RETRACTING ANY OR ALL OF THE STABILISERS WHEN THE WORK PLATFORM IS ELEVATED MAY RESULT IN MACHINE INSTABILITY. STABILISERS MUST ONLY BE RETRACTED WHEN THE WORK PLATFORM HAS BEEN FULLY LOWERED TO ITS TRANSPORT POSITION.

To retract each stabilizer, follow the steps below –

1. Turn handle anticlockwise to loosen the stabilizer foot and retract the stabilizer leg to the up position.
2. Pull out the pin on the stabilizer beam housing.
3. Turn the beam backwards into the housing until it locks in the transport position.
4. Push the pin on the stabilizer beam housing.

Repeat the above steps for each stabilizer. Always ensure that each stabilizer leg is fully raised and each beam is fully retracted prior to maneuvering the PAX 8 / PAX 10 machine. Failure to do this may result in damage to property and/or the machine.

Battery isolation switch

The machine is provided with a KEY switch which is used to isolate the battery and therefore the electrical system, preventing unauthorized use.

To enable the electrical system, Turn the key switch to on position. Ensure that when the machine is not in use, Turn the key switch to off position.

Entering and leaving the work platform

Always use three points of contact when entering or exiting the platform, using the handholds provided. For example, use two hands and one foot. Use the step provided on the base of the machine.

On entering the platform, ensure that the gate is closed behind you.

Control box

The control box houses the platform raise and lower controls.

Pressing the 'UP' button raises the platform.

Pressing the 'DOWN' button lowers the platform.

To avoid crushing and shearing hazards, a delay feature is fitted which actuates when the platform is lowered to the transport position.

The platform will momentarily stop to enable the operator to look around the machine to determine whether any persons are adjacent to the scissor mechanism. After a time delay, the lowering control will be re-enabled to permit the operator to continue to lower to the transport position.

Take care to avoid repeated jerky movements which could cause unnecessary impact loads on the structure.

Emergency stop

An emergency stop button is provided on the control box. Once depressed, this isolates power to the raise and lower functions.

To restore functionality, twist the emergency stop button clockwise to release the button.

Emergency lowering

To lower the platform in the event of an emergency, a control is provided at the chassis.

Pulling the knob below opens the lift valve, which in pull, lowers the platform.

Battery charging

The machine is supplied with a 'built in' multi voltage automatic battery charger, for voltages between 115v and 230v ac.

To charge the battery, follow these steps -

1. Connect the battery charger lead to the machine.

2. Connect the battery charger to the power supply (either 110V or 220V AC at 50 Hz depending on the mains supply).

3. The battery should be fully recharged after a period of 12 hours, which is indicated by the green Led illuminating on the charging indicator.

Section 5

MAINTENANCE

Safety during maintenance

When performing maintenance on the machine with the platform elevated, always ensure that the safe arm is setup in correct position.

FAILURE TO ENGAGE THE MAINTENANCE ARMS MAY RESULT IN THE PLATFORM LOWERING WITHOUT WARNING.

Periodical maintenance & checks

Prior to first use of the machine, all daily / pre-use checks must be undertaken. If the machine has been in storage for a long period of time, it may be necessary to undertake additional checks and tests per the table on the next page (e.g. hydraulic oil, battery condition).

Following any maintenance on the machine, a full function test should be undertaken to ensure correct operation of the machine.

It is essential that only manufacturer's approved replacement parts are used when maintaining and servicing the machine. Failure to do so may result in an unsafe or unstable machine.

Storage

The electrical components of the machine are not protected from external weather conditions and the machine should therefore not be stored outdoors. Storage in a clean, dry indoor environment is recommended.

Frequent checks on the condition of the machine should be made to ensure no excessive deterioration occurs due to the environment in which the machine is housed.

Lubrication

The required lubrication points are slip guides and castor mounts.

The lubricant recommended for use with the machine is : Standard Machine Grease

Hydraulic oil

The hydraulic oil level can be checked by removing the filler cap fitted to the hydraulic oil tank. The correct amount of oil is in the tank when hydraulic fluid appears on the tip of the dipstick. This check must be carried out with the platform is in the level surface.

The hydraulic oil can be topped up by adding oil to the filler located. Take care not to spill hydraulic fluid over any of the surrounding machine components.

The hydraulic oil can be drained by removing the tank by removing the bolts and separating the tank from the pump body. The hydraulic fluid can then be correctly disposed of. Re-assembly is the reverse of above.

The hydraulic oil recommended for use with this machine is: Mineral basis hydraulic oil with lubricating, antifoaming, anti-corrosive, antioxidant HL - HLP (ISO and UNI HM) – HV - HLPD performances according to DIN51524 part 1- 2 standards.

Periodical maintenance & checks

The following checks should be undertaken at the recommended intervals shown.

	Daily / Pre-use	Monthly	6 Monthly	12 Monthly
Inspect structure	●	●	●	●
Check connections	●	●	●	●
Inspect platform	●	●	●	●
Check castor wheels	●	●	●	●
Check brake function	●	●	●	●
Check hydraulic oil level	●	●	●	●
Inspect for oil leaks	●	●	●	●
Check battery condition	●	●	●	●
Check raise / lower function	●	●	●	●
Limited switch	●	●	●	●
Inspect safety decals	●	●	●	●
Inspect wiring		●	●	●
Check electrical connectors		●	●	●
Lubricate slip guides		●	●	●
Lubricate castor mounts			●	●
Replace hydraulic oil				●

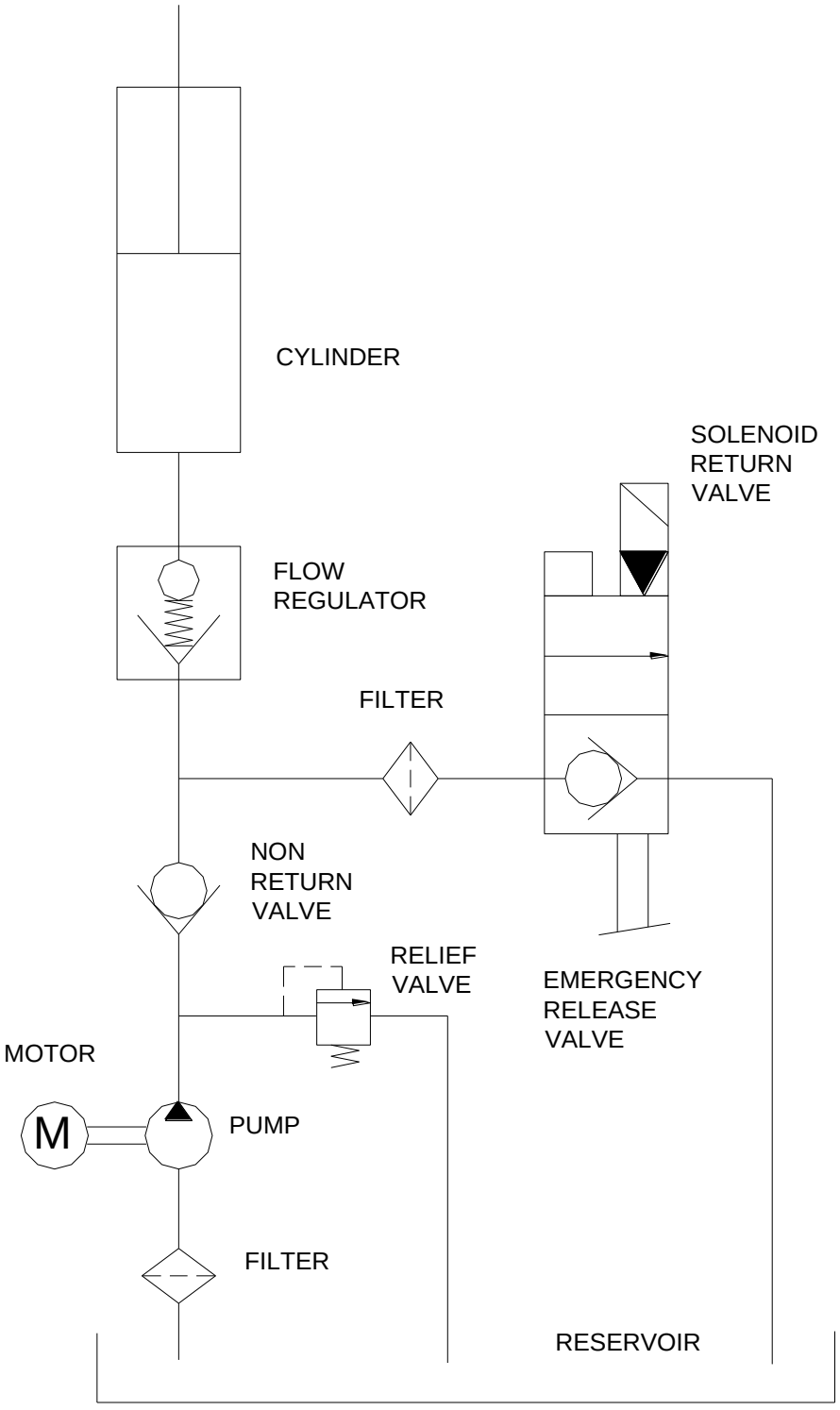
Hydraulic oil

Minimum viscosity	15cts (23°E / 77, 39 SSU at 100°F)
Max. Viscosity at starting up	800cts (105,6°E / 3708 SSU at 100°F)
Max. Working viscosity	100cts (13,2° E / 463,5 SSU at 100°F)
Suggested viscosity range	25~40cts (3,47~5,35° E / 119,3~186,3 SSU at 100°F)
Allowed temperature	Max. 80°C(176°F)
Recommended temperature	30~60°C(86~140°F)

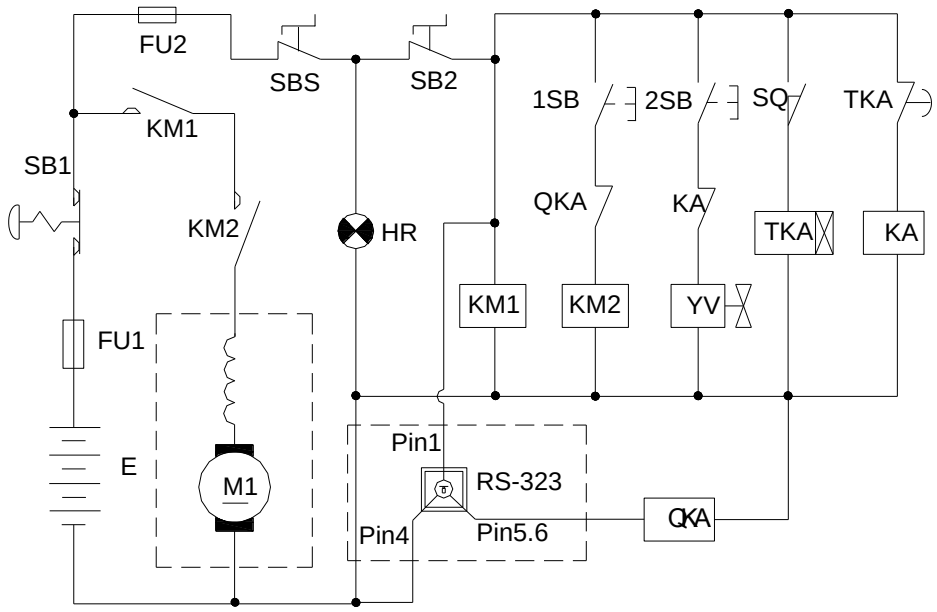
Trouble shooting

PROBLEM	CAUSE	REPAIR
Platform does not raise (motor not running)	1. Faulty wiring.	1. Check the wiring referring to the electrical schematic.
	2. Battery is disconnected.	2. Reconnect the battery.
	3. Battery charge is insufficient.	3. Charge the battery.
Platform does not raise (motor running)	1. Faulty adjustment of relief valve.	1. Adjust relief valve.
	2. Faulty hydraulic pump.	2. Replace power pack.
	3. Insufficient hydraulic oil.	3. Add hydraulic oil.
Platform creeps (uncontrolled lowering)	1. Oil leakage in power pack.	1. Replace lowering valve.
	2. Oil leakage from hydraulic circuit.	2. Check hydraulic circuit and repair.
Oil leakage from cylinder.	Faulty sealing.	Replace sealing.
Oil leakage from piping or joint.	Insufficient tightening or seal in valid.	Tighten joint again or replace seal.
Oil leakage from air breather.	Excessive quantity of oil.	Reduce oil quantity.

HYDRAULIC SCHEMATIC



ELECTRICAL SACHEMATIC



Item	Description	
CH	Battery Charger	12V/12A
Fu1	Fuse	100A
Fu2	Fuse	5A
E	Battery	950D /120E
KM1	Ground emergency stop bottom	ED250-G
KM2	Pump switch	W800801-2 DC12V 80%
SB1	Platform emergency stop bottom	ZB2BS54C/ZB2BZ102C-6A
SB2	Platform lift switch	ZB2BA3C/ZB2BZ103C-6A
SB3	Platform down switch	ZB2BA3C/ZB2BZ103C-6A
YV	Platform down relay	DC12V
M1	Pump motor	W8010D 0.8kW DC12V

Section 6

TRANSPORT INSTRUCTIONS

Loading and unloading

When loading or unloading the machine, use one of the methods as below.

When using a forklift to lift the machine, ensure the forks are sufficiently inserted into the forklift pockets in the base of the machine. Safety decals applied to the machine show the location of the forklift pockets.

When using a tail lift to load or unload the machine ensure that brakes are applied to both castor wheels. Ensure that the capacity of the tail lift is sufficient to handle the machine. Take care when maneuvering the machine on the tail lift.

When winching the machine onto or off a vehicle, ensure that the winch is connected to the winch point as shown below. Ensure personnel are available to guide the machine whilst the winch is in operation.

WARNING

NEVER ATTEMPT TO LOAD OR UNLOAD THE MACHINE BY MANUAL EFFORT ONLY, SERIOUS INJURY, MACHINE OR PROPERTY DAMAGE COULD RESULT.

Lifting

No lifting attachment points are provided on the machine and therefore lifting of the machine (e.g. with a crane or straps) is prohibited.

Preparation for transport

Prior to transporting the machine on a vehicle, ensure that the following precautions are taken in order to avoid damage to the machine or damager to the transporting vehicle.

1. Ensure that the platform is fully lowered to its rest position.

2. Ensure that loose items (e.g. control box,) are secured to the platform.

3. Ensure brakes are engaged on both rear castor wheels.

4. Secure the machine to the transport vehicle using straps across the platform.

Section 7

MAINTENANCE AND REPAIR RECORD

Machine number

Maintenance

Date	Scheduled maintenance undertaken	By

Repairs

Date	Repairs undertaken	By

Examinations / tests

Date	Examinations / tests undertaken	By

Please photocopy this page for your own use, as required

Daily checks – Operator checklist

The following checklist has been provided to enable daily pre-use checks to be undertaken prior to use of this machine. These checks should be carried out each working day or at the beginning of each shift. The purpose of the checks is to identify any wear and tear or malfunction of the machine's components and systems.

WARNING

FAILURE TO UNDERTAKE THESE CHECKS MAY RESULT IN DEFECTS ON, OR DETERIORATION OF THIS MACHINE GOING UNDETECTED AND POSSIBLY RESULTING IN AN UNSAFE MACHINE.

Note that Regulation 8 of the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER) require that persons using lifting equipment have appropriate training and instructions to enable them to identify whether lifting equipment is safe to use.

Machine number	

1 Prior to operating the platform, the following items must be checked

	OK? (please tick)		OK? (please tick)
Structure		Battery condition	
Platform		Raise and lower	
Castors		Emergency stop	
Brakes		Emergency lower	
Hydraulic oil		Limited switch	
Oil leaks		Safety decals	

Checked by	
Date	

2 Operate raise, lower and emergency stop functions to ensure correct operation.

Should any defects be identified in any of the above areas, these should be reported to your employer. It may be necessary seek further assistance from the supplier of the machine; this may be the hire company or the manufacturer. You should only rectify any defects if you are authorized and competent to do so.

Do not use the machine unless each of the items above is checked and stated OK.

Section 8 Decal Inspection

Use the pictures on the next page to verify that all decals are legible and in place below is a numerical list with quantities and descriptions.

PAX 6

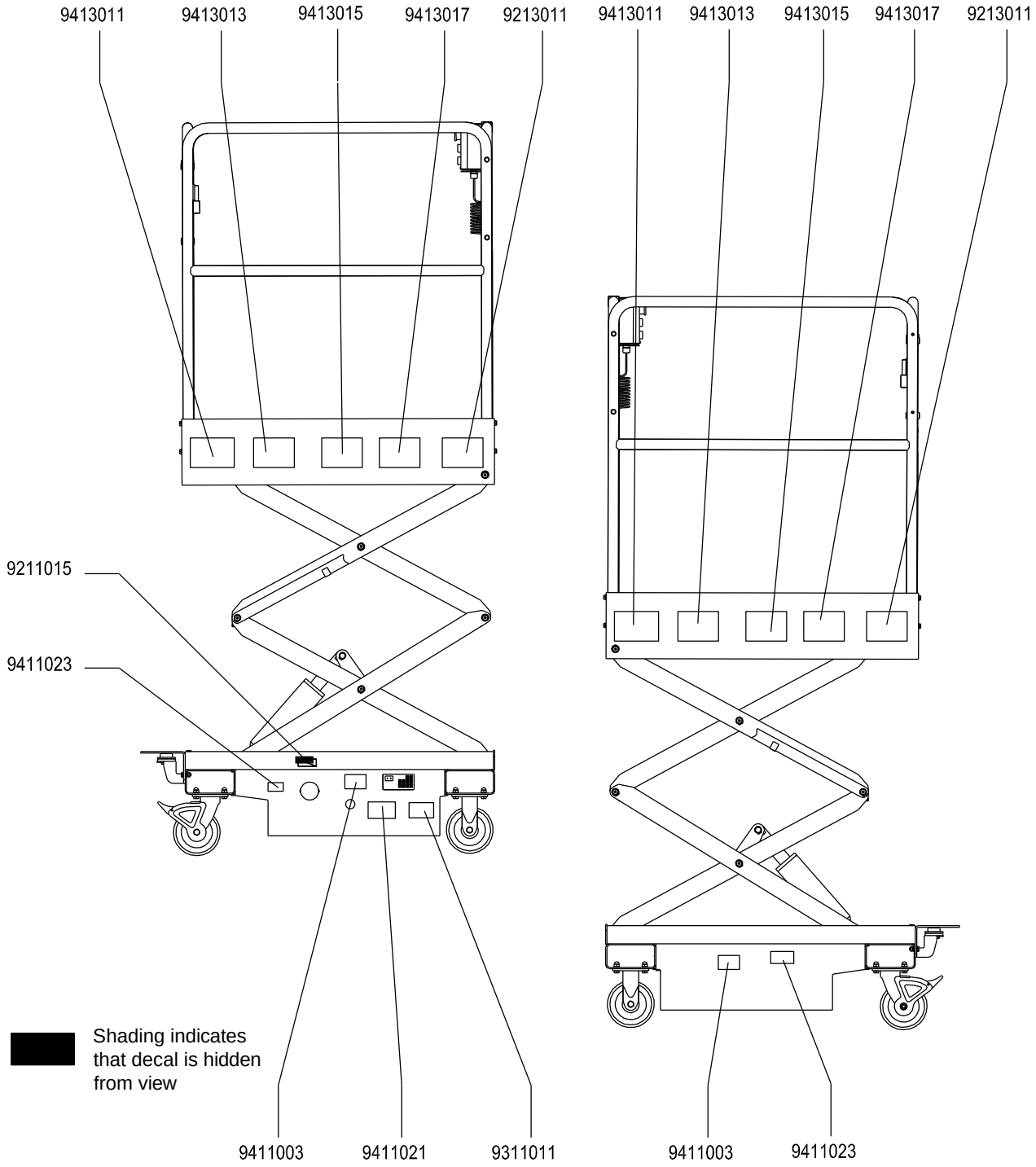
Part No.	Description	QTY.
9211015	Label- Direction al Arrows	1
9213011	Label-Maximum Capacity 240kg	2
9311011	Notice-Charge Time	1
9411003	Danger-Crushing Hazard	2
9411021	Warning-Explosion/Burn Hazard	1
9411023	Warning-Recharging in Time	1
9413011	Warning-Tip-over Hazard	2
9413013	Warning-Crushing Hazard/Fall Hazard	2
9413015	Danger-Electrocution Hazard	2
9413017	Warning-Inspect and Maintain Properly	2

PAX 8 / PAX 10

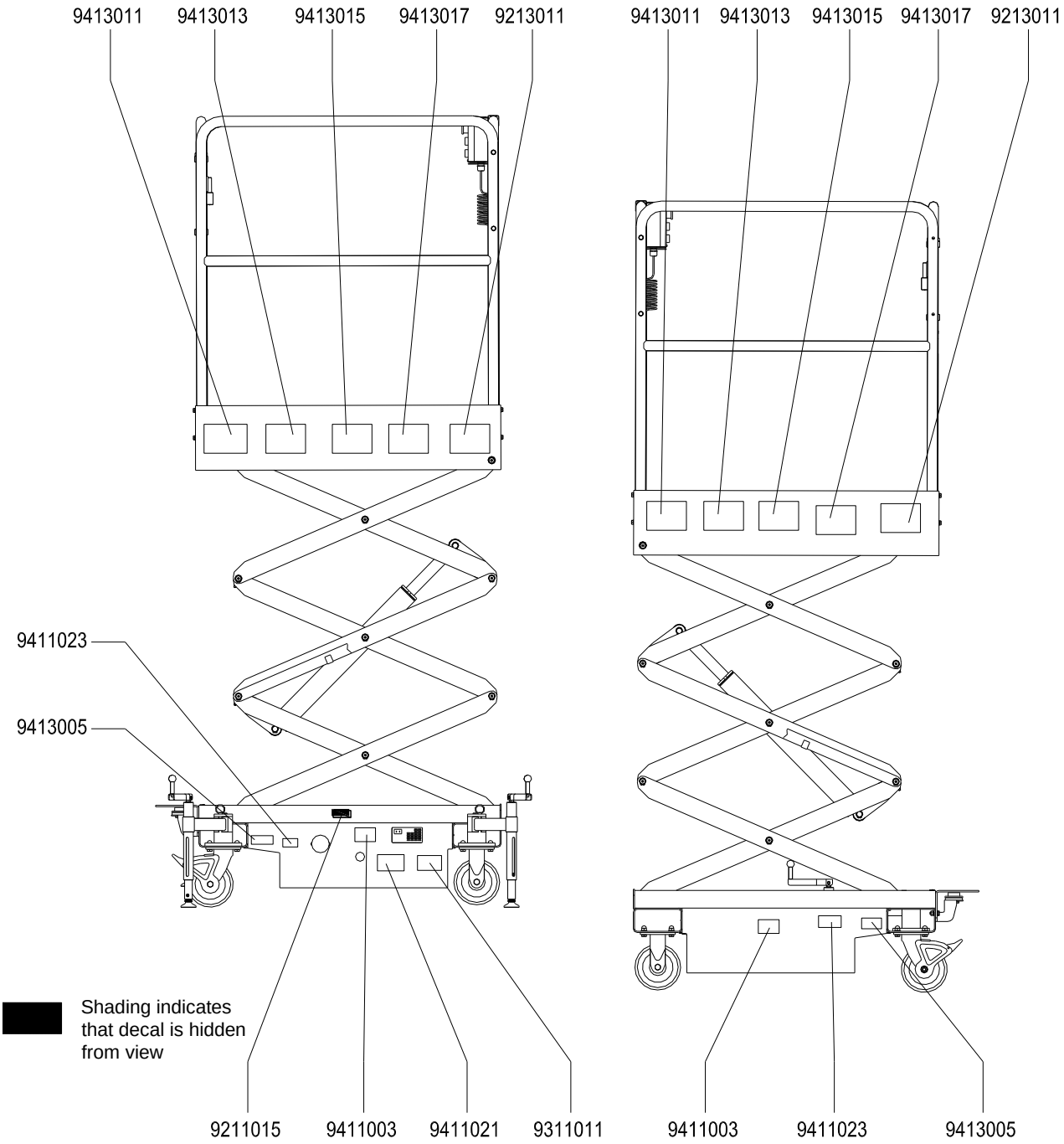
Part No.	Description	QTY.
9211015	Label- Direction al Arrows	1
9213011	Label-Maximum Capacity 240kg	2
9311011	Notice-Charge Time	1
9411003	Danger-Crushing Hazard	2
9411021	Warning-Explosion/Burn Hazard	1
9411023	Warning-Recharging in Time	1
9413005	Danger-Tip-over Hazard	2
9413011	Warning-Tip-over Hazard	2
9413013	Warning-Crushing Hazard/Fall Hazard	2
9413015	Danger-Electrocution Hazard	2
9413017	Warning-Inspect and Maintain Properly	2

Decal Position

PAX 6



PAX 8 / PAX 10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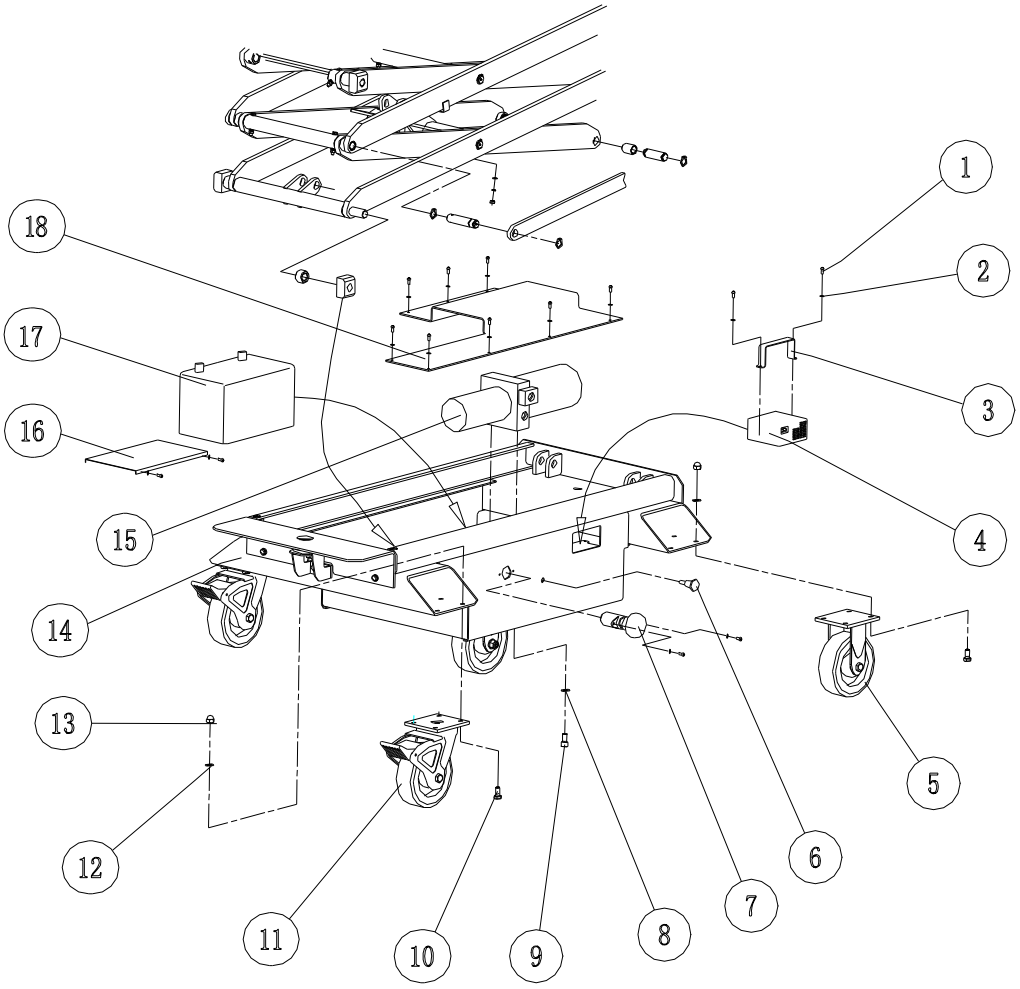
Section 9 Part Manual

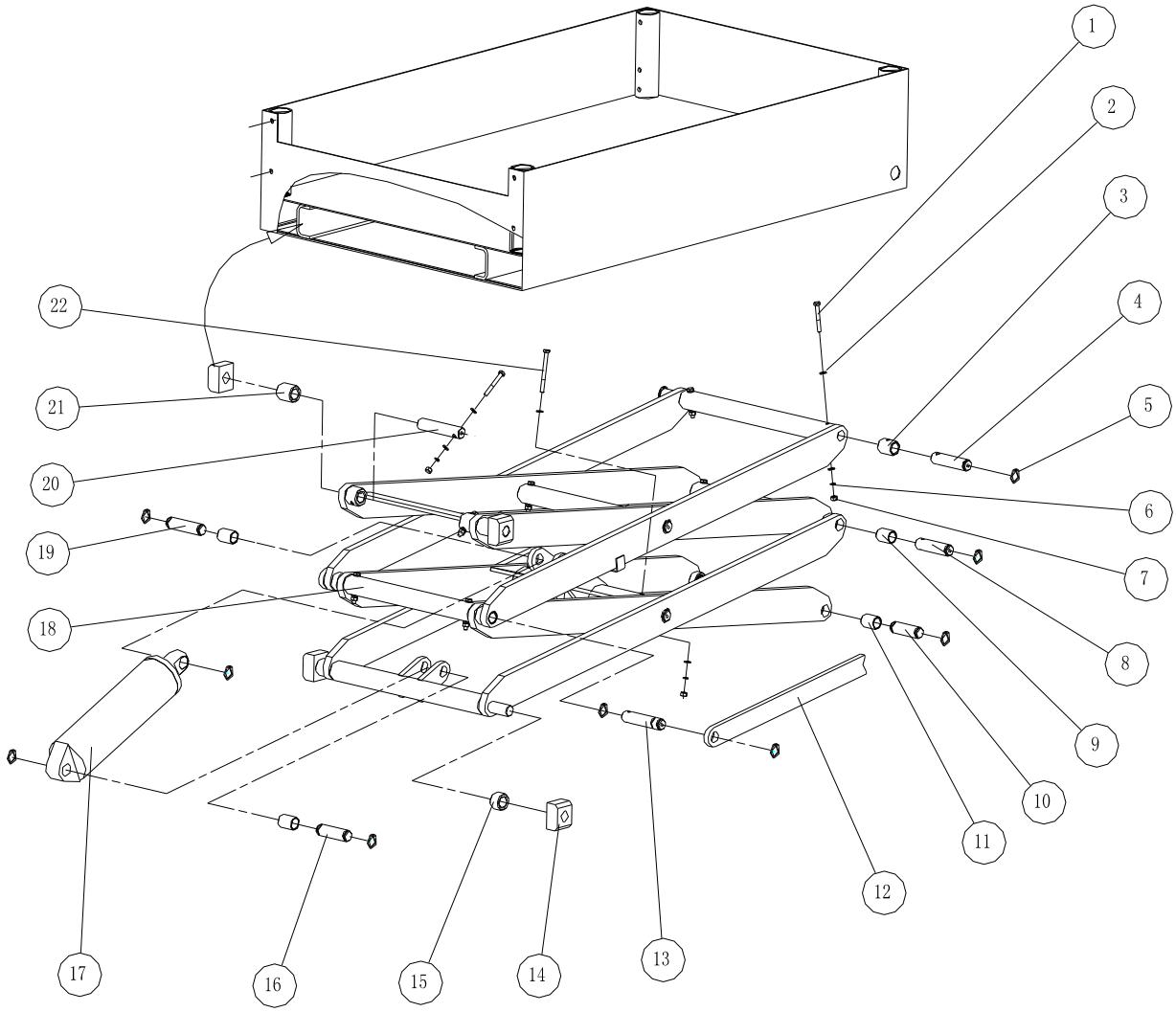
PAX 6 Part Manual

Chassis



No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1	GB818-85	Screw M5×12	12	10	GB/T5783-2000	Bolt M10×20	16
2	GB/T97.1-2000	Washer 5	12	11		Wheel	2
3	JCPT1707M-00015	Stationary Sheet	1	12	GB/T97.1-2000	Washer 10	16
4		Charger	1	13	GB/T923-1998	Nut M10	16
5		Wheel	2	14	JCPT1707M-11000	Chassis	1
6		Auxiliary Lower Knob	1	15		Hydraulic power pack	1
7		Emergency Stop Button	1	16	JCPT1707M-00022	Controller cover	1
8	GB/T93.1-2000	Washer 10	2	17	95D31L	Battery	1
9	GB/T70.1-2000	Screw M10×20	2	18	JCPT1707M-00014	Battery Cover	1

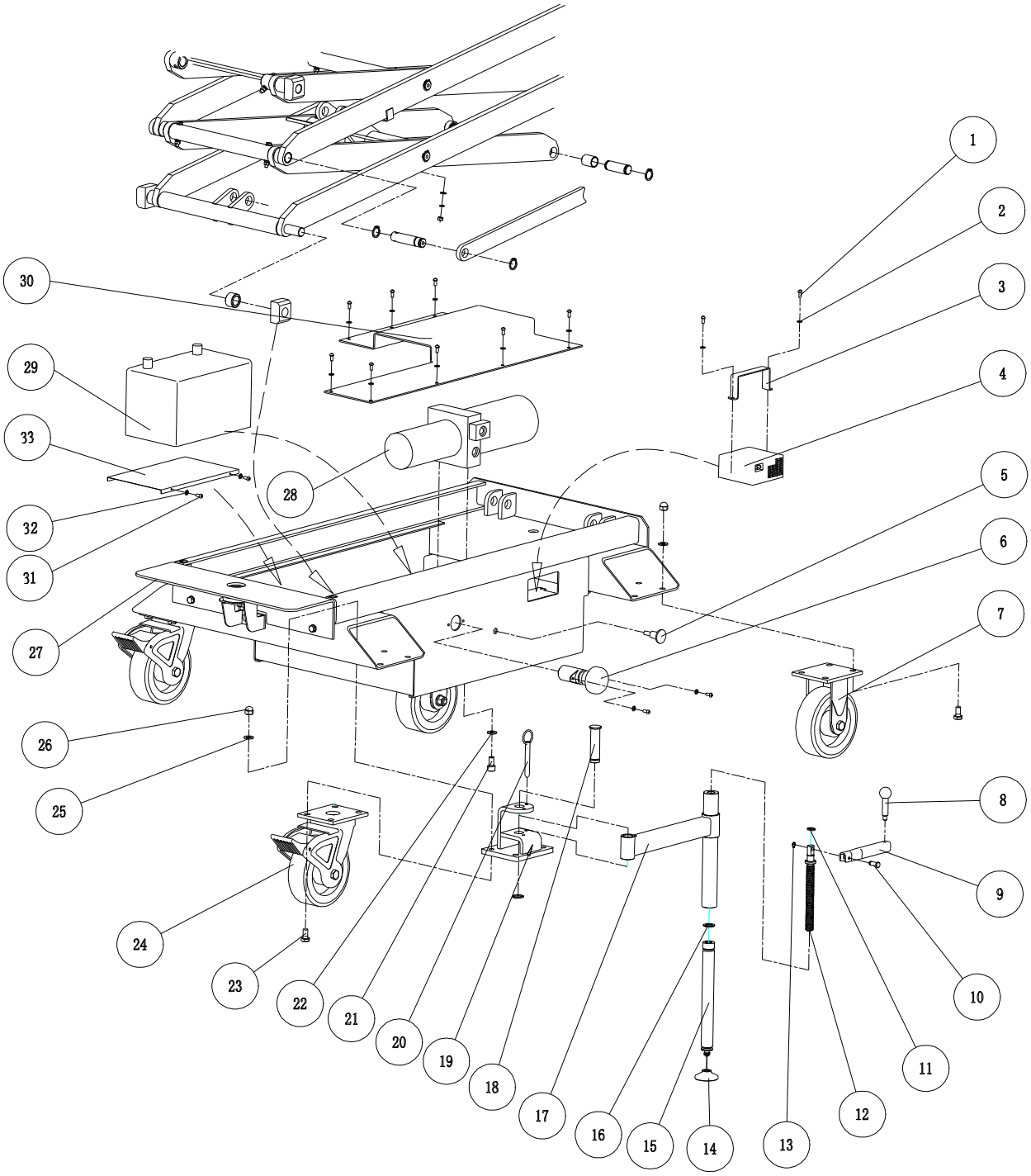
Scissors Arms Assembly



No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1	GB/T5780-2000	Bolt M6×50	10	12	JCPT1707M-31012	Safety Arm	2
2	GB/T97.1-2000	Washer 6	24	13	JCPT1707M-31011	Safety Arm Axle	2
3		Bearing2030	4	14	JCPT1707M-31002	Slider	4
4	JCPT1707M-31005	Spindle	2	15	JCPT1707M-31006	Spacer II	2
5	GB894.1-2000	Circlip 20	20	16	JCPT1707M-31009	Lift Cylinder Pin	1
6	GB/T93.1-2000	Washer 6	12	17		Lift Cylinder	1
7	GB/T6182-2000	Nut M6	12	18	JCPT1707M-31000	Scissors	1
8	JCPT1707M-31001	Scissors Axle	6	19	JCPT1707M-31010	Upper Cylinder Pin	1
9		Bearing 2028	8	20	JCPT1707M-31003	Slider Pin	2
10	JCPT1707M-31008	Pivot Pin	2	21	JCPT1707M-31004	Spacer	2
11		Bearing 2028	2	22	GB/T5780-2000	Bolt M6×70	2

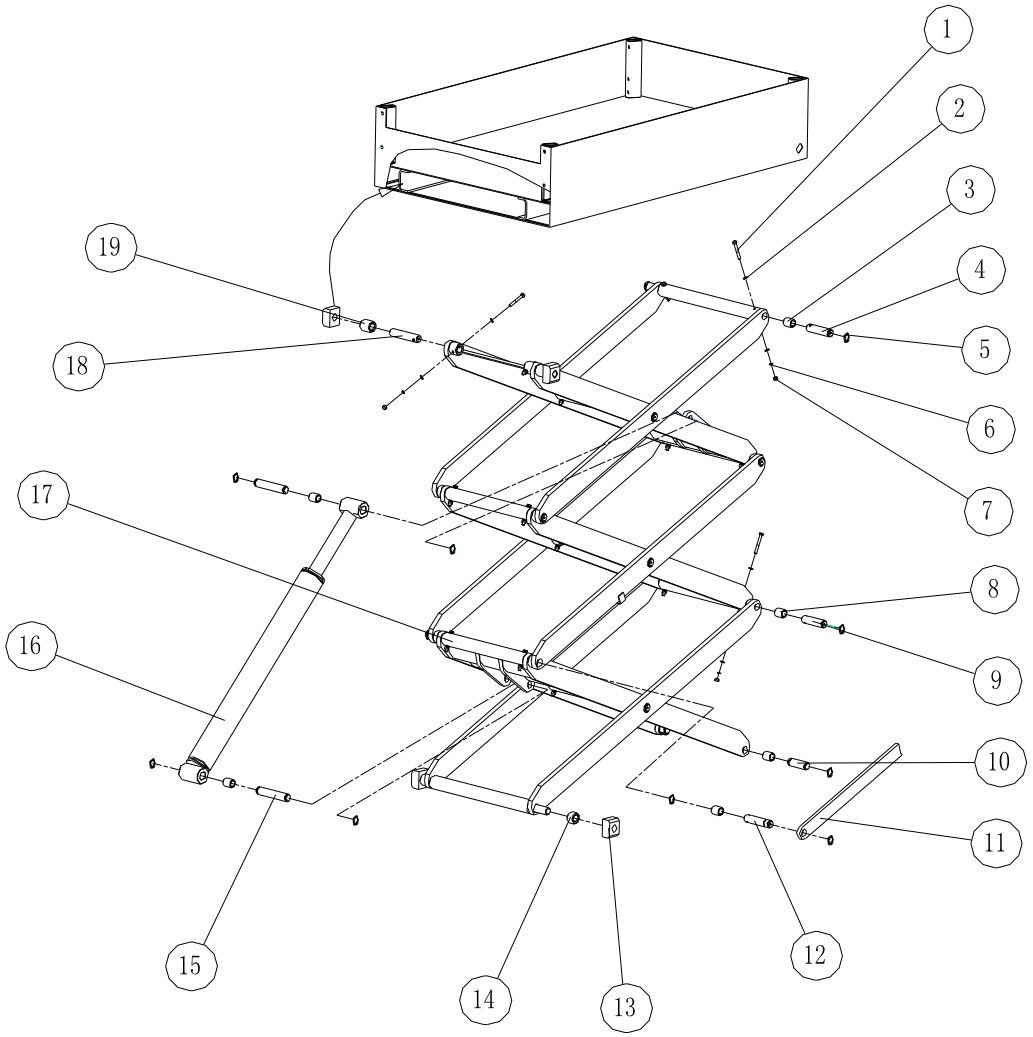
PAX 8 Part Manual

Chassis



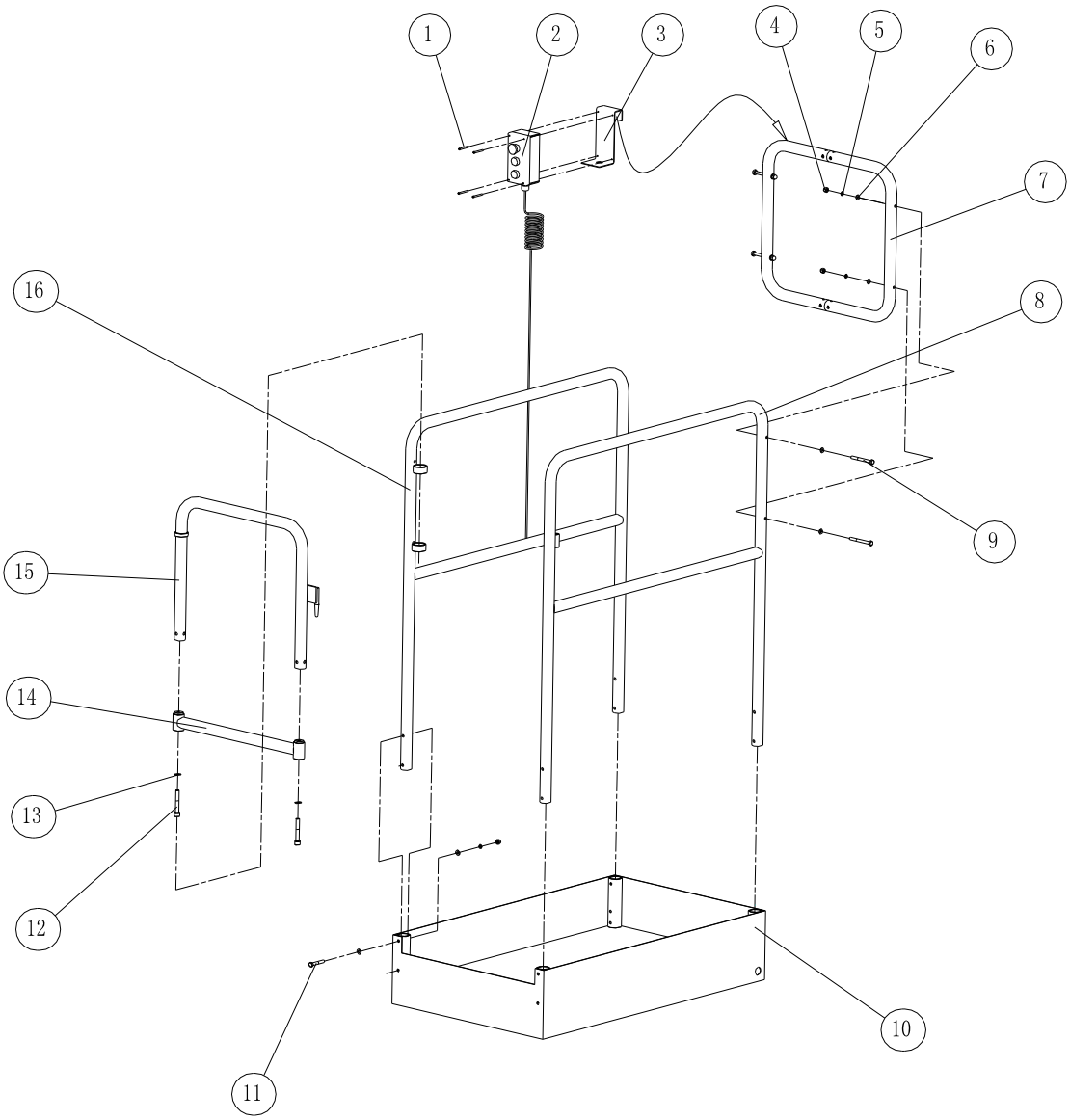
No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1	GB818-85	Screw M5×12	12	18	JCPT2507M-81001	Pivot	4
2	GB/T97.1-2000	Washer 5	12	19	JCPT2507M-81100	Outrigger Mount	4
3	JCPT1707M-00015	Stationary Sheet	1	20	JCPT2507M-81002	Pin	4
4		Charger	1	21	GB/T70.1-2000	Screw M10×20	2
5		Auxiliary Lower Knob	1	22	GB/T93.1-2000	Washer 10	2
6		Emergency Stop Button	1	23	GB/T5783-2000	Bolt M10×20	16
7		Caster	2	24		Wheel	2
8	JCPT2507M-81301	Handle Bar	4	25	GB/T97.1-2000	Washer 10	16
9	JCPT2507M-81302	Connecting Rod	4	26	GB/T923-1998	Nut M10	16
10	JCPT2507M-81303	Pin	4	27	JCPT1707M-11000	Chassis	1
11	GB894.1	Circlip 12	4	28		Motor Pump	1
12	JCPT2507M-81304	Screw Rod	4	29	95D31L	Battery	1
13		Foot	4	30	JCPT1707M-00014	Battery Cover	1
14	JCPT2507M-81306	Foot Pad	4	31	JCPT1707M-00022	Controller Cover	1
15	JCPT2507M-81320	Screw Nut	4	32	GB/T93.1-2000	Washer5	2
16		Bearing14×24×1.5	4	33	GB/T70.1-2000	Screw M5x10	2
17	JCPT2507M-81200	Outrigger	4				

Scissors Arms Assembly



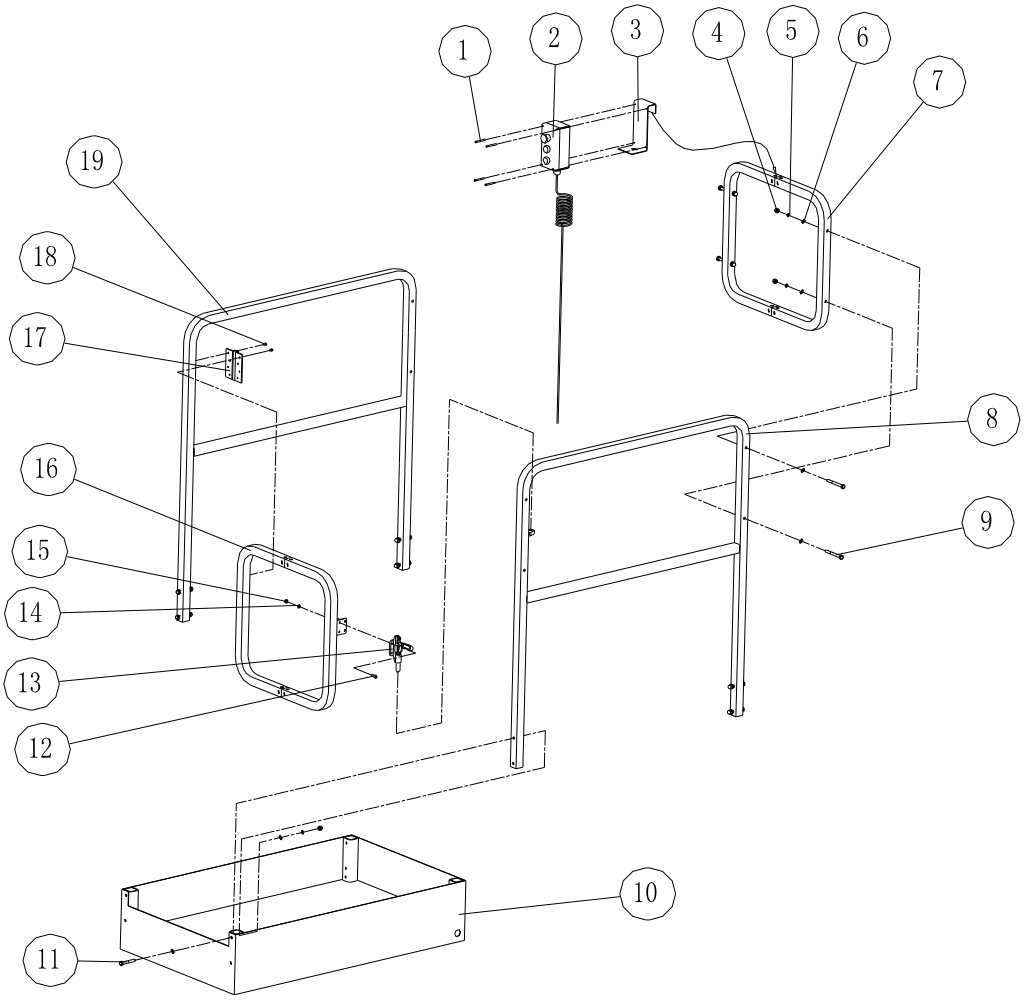
No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1	GB/T5780-2000	Bolt M6×50	18	11	JCPT1707M-31012	Safety Arm	2
2	GB/T97.1-2000	Washer 6	36	12	JCPT1707M-31011	Safety Arm Axle	2
3		Bearing2030	6	13	JCPT1707M-31002	Slider	4
4	JCPT1707M-31005	Spindle	2	14	JCPT1707M-31006	Spacer_II	2
5	GB894.1	Circlip 20	28	15	JCPT2507M-31001	Lift Cylinder Pin	2
6	GB/T93.1-2000	Washer 6	18	16	JCPT2507M-53100	Lift Cylinder	1
7	GB/T6182-2000	Nut M6	18	17	JCPT2507M-31000	Scissors	1
8		Bearing2028	20	18	JCPT1707M-31003	Slider Pin	2
9	JCPT1707M-31001	Scissors Axle	12	19	JCPT1707M-31004	Spacerl	2
10	JCPT2507M-31002	Pivot Pin	2				

Platform for PAX 6 / 8 ("O" Section Pipe)



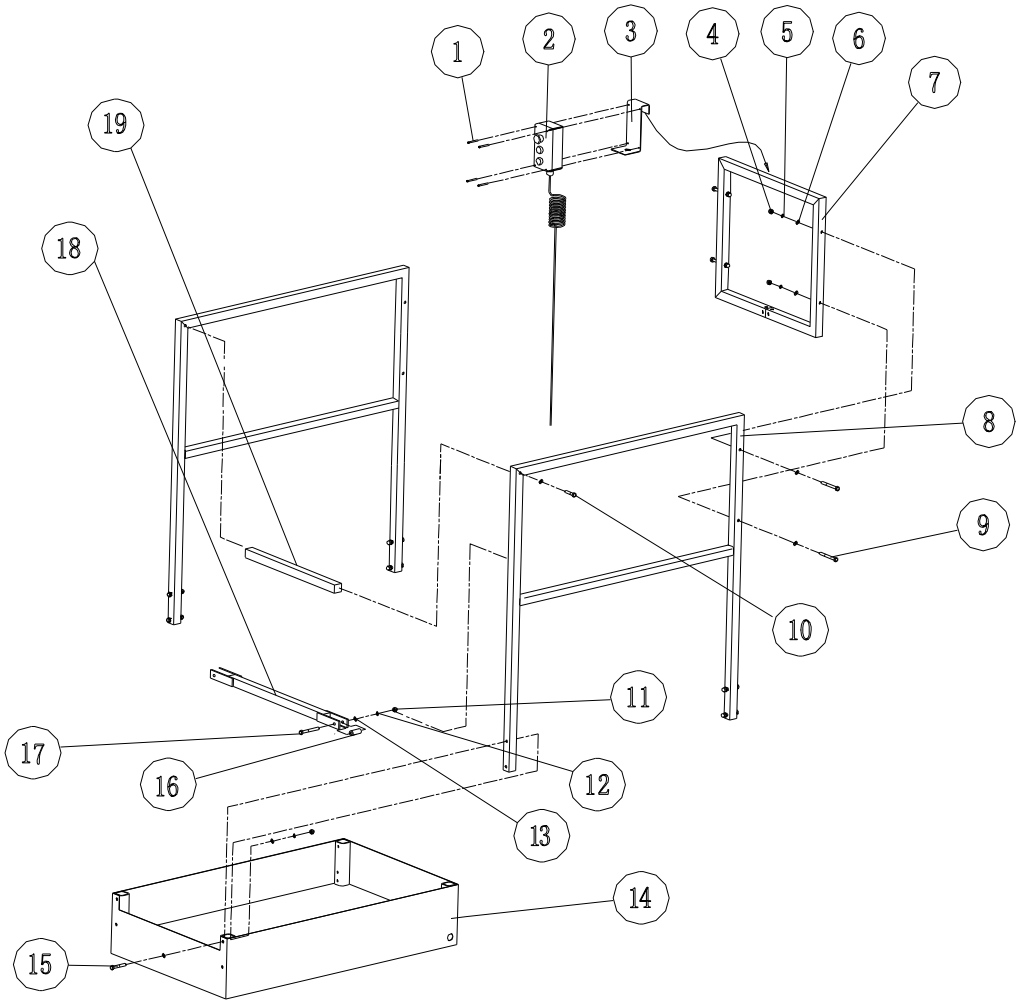
No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1		Screw M4×30	4	9	GB/T5780-2000	Bolt M8×80	4
2		Platform Controls	1	10	JCPT1707M-41100	Platform Deck	1
3	JCPT1707M-00016	Platform Controls Carrier	1	11	GB/T5782-2000	Bolt M8×55	8
4	GB/T923-1998	Nut M8	12	12	GB/T70.1-2000	Screw M10×70	2
5	GB/T93.1-2000	Circlip 8	12	13	GB/T93.1-2000	Washer 10	2
6	GB/T97.1-2000	Washer 8	24	14	JCPT1707M-41242	Gate Stick	1
7	JCPT1707M-41230	Front Guardrail	1	15	JCPT1707M-41241	Platform Entry Gate	1
8	JCPT1707M-41220	Right Guardrail	1	16	JCPT1707M-41210	Left Guardrail	1

Platform for PAX 6 / 8 (Square Section Pipe Draw Gate)



No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1		Screw M4×30	4	11	GB/T5782-2000	Bolt M8×55	8
2		Platform Controls	1	12	GB/T70.1-2000	Screw M6×16	4
3	JCPT1707M-00016	Platform Controls Carrier	1	13		Latch	1
4	GB/T923-1998	Nut M8	12	14	GB/T97.1-2000	Washer 6	4
5	GB/T93.1-2000	Washer 8	12	15	GB/T6182-2000	Nut M6	4
6	GB/T97.1-2000	Washer 8	24	16	JCPT2507M-41300	Gate	1
7	JCPT2507M-41220	Front Guardrail	1	17		Hinge	2
8	JCPT2507M-41210	Right Guardrail	1	18	GB/T12618.1-2006	Rivet 4×12	16
9	GB/T5780-2000	Bolt M8×75	4	19	JCPT2507M-41230	Left Guardrail	1
10	JCPT2507M-41100	Platform Deck	1				

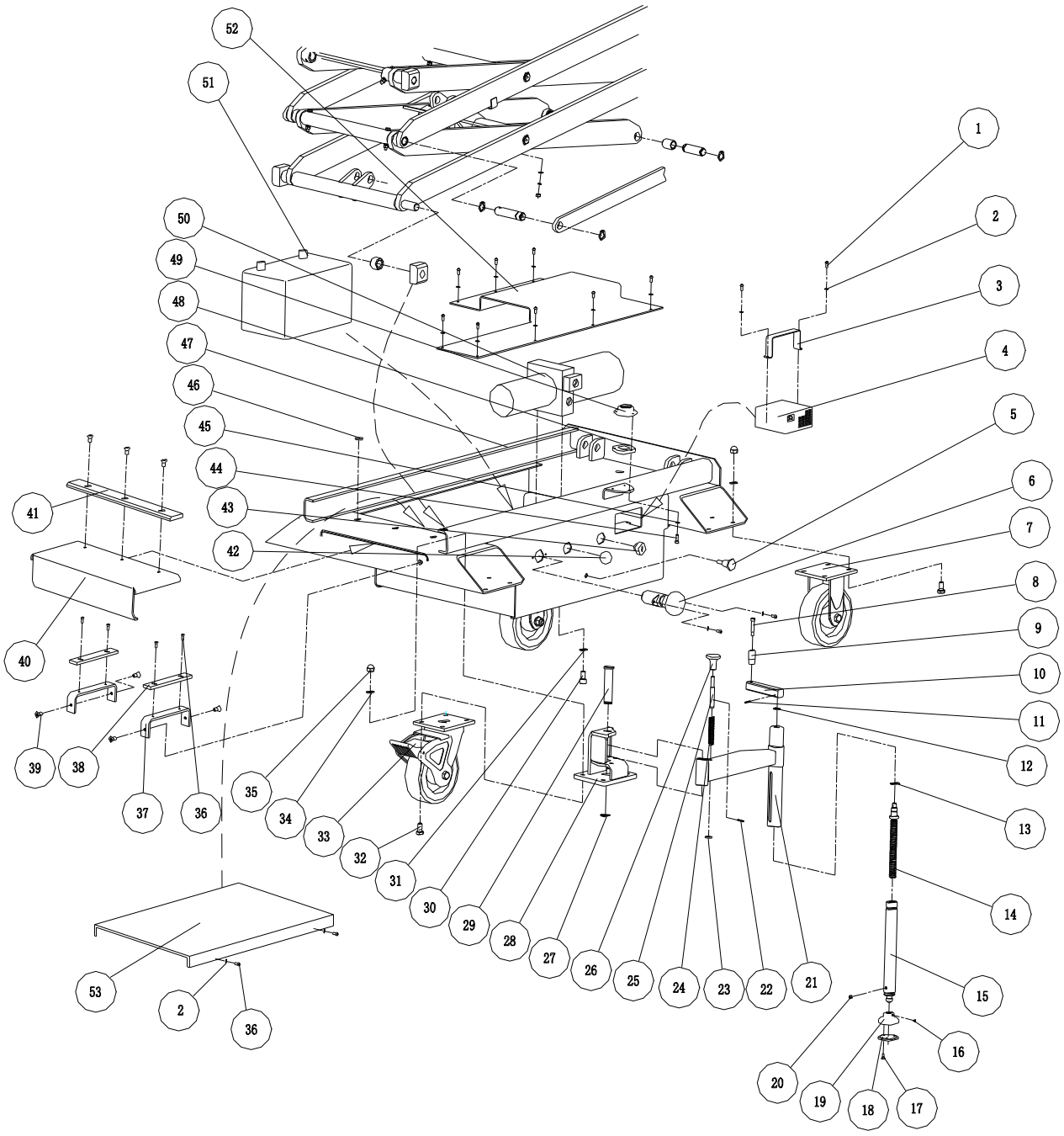
Platform for PAX 6 / 8 (Square Section Pipe Slide Gate)



No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1		Screw M4×30	4	11	GB/T6182-2000	Nut M6	2
2		Platform Controls	1	12	GB/T97.1-2000	Washer 6	2
3	JCPT1707M-00016	Platform Controls Carrier	1	13	GB/T93.1-2000	Washer 6	2
4	GB/T923-1998	Nut M8	12	14	JCPT2507M-41100	Platform Deck	1
5	GB/T93.1-2000	Washer 8	12	15	GB/T5782-2000	Bolt M8×55	8
6	GB/T97.1-2000	Washer 8	24	16	JCPT2507M-42001	Roller	2
7	JCPT2507M-42120	Front Guardrail	1	17	GB/T5783-2000	Bolt M6×40	2
8	JCPT2507M-42110	Guardrail	1	18	JCPT2507M-42010	Gate Bar	1
9	GB/T5780-2000	Bolt M8×75	4	19	JCPT2507M-42020	Gate head	1
10	GB/T5783-2000	Bolt M8×40	2				

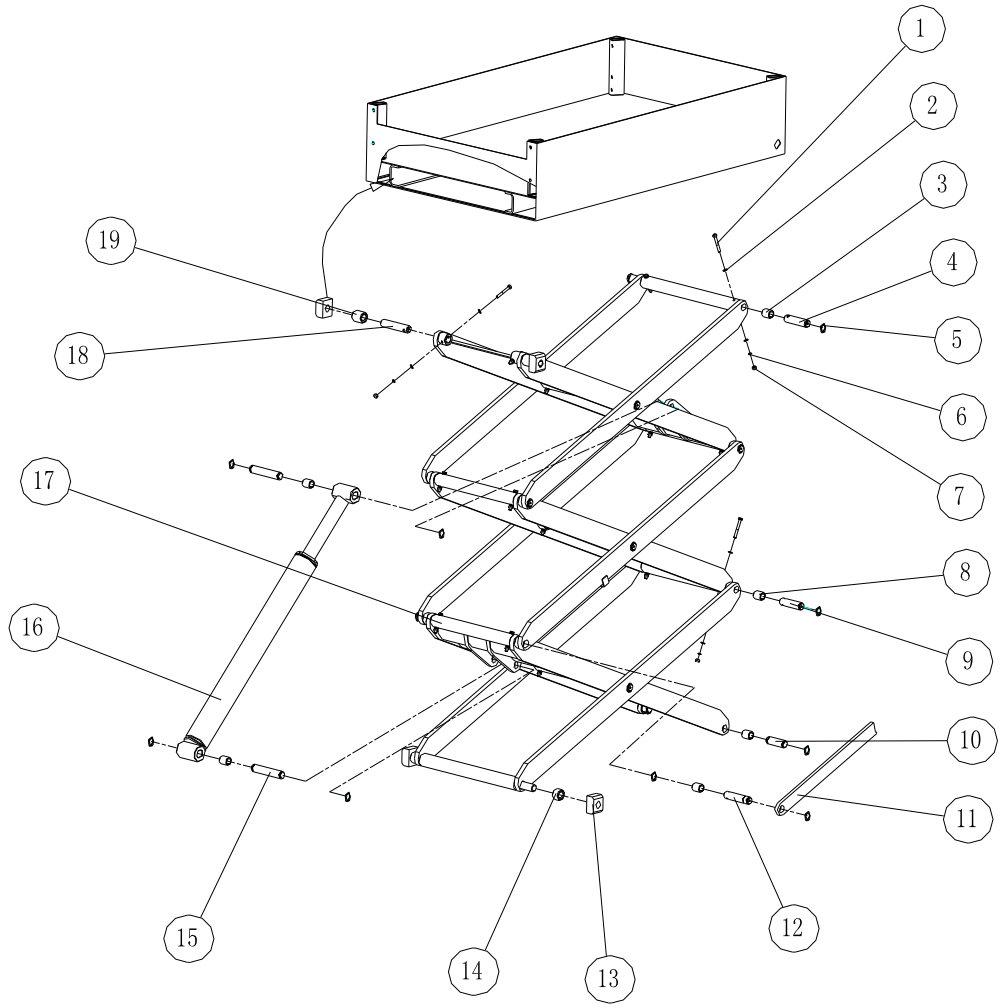
PAX 10 Part Manual

Chassis



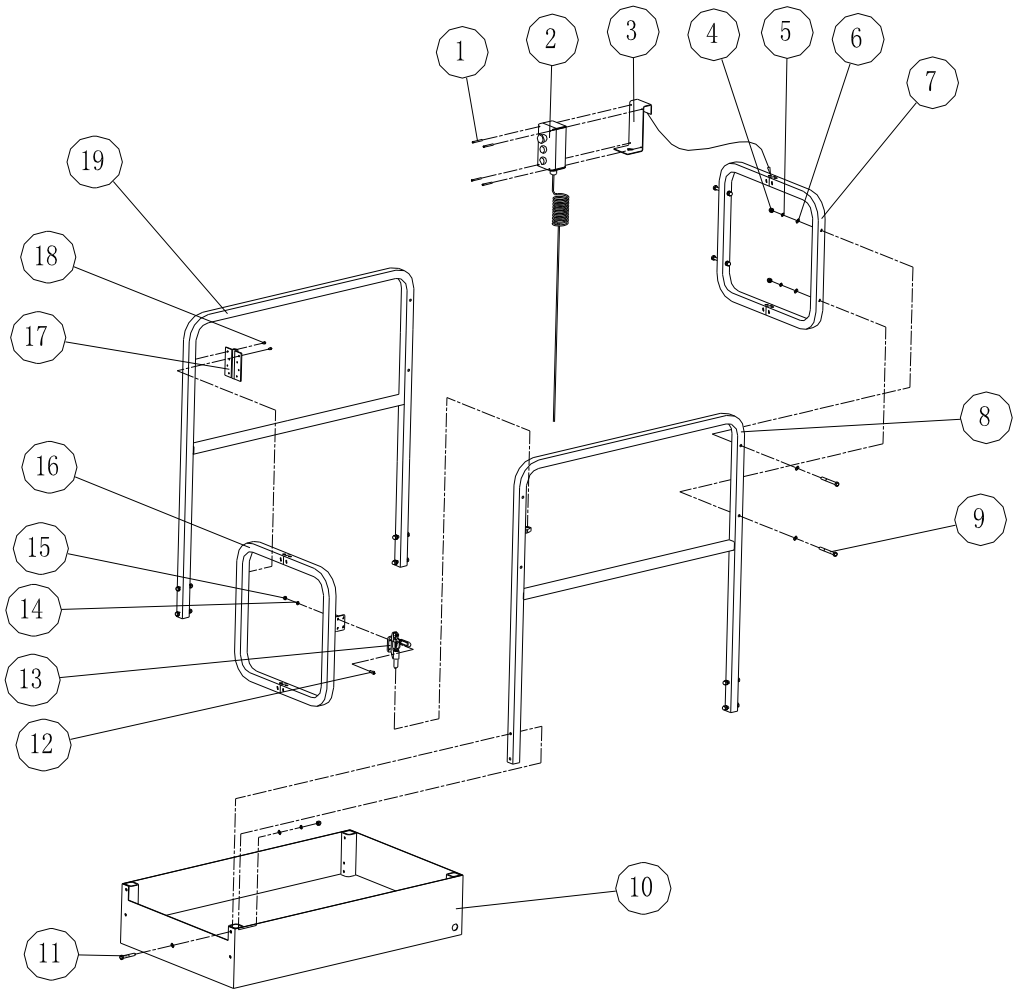
No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1	GB818-85	Screw M5×12	12	29	JCPT2507M-81001	Pin	4
2	GB/T97.1-2000	Washer 5	12	30	GB/T70.1-2000	Screw M10×20	2
3	JCPT1707M-00015	Stationary Sheet	1	31	GB/T93.1-2000	Washer 10	2
4		Charger	1	32	GB/T5783-2000	Bolt M10×20	16
5		Emergency stop button	1	33		Wheel	2
6		Auxiliary lower knob	1	34	GB/T97.1-2000	Washer 10	16
7		Wheel	2	35	GB/T923-1998	Nut M10	16
8	JCPT2507M-81307	Pin	4	36	GB/T819-2000	Screw M5x12	4
9	JCPT2507M-81301	Handle Bar	4	37	JCPT3007M-00005	Support Board	2
10	JCPT2507M-81302	Connecting Rod	4	38	JCPT3007M-00006	Plate	2
11	GB879.1-2000	Spring pin 3×16	4	39	GB/T819-2000	Screw M8x12	7
12	GB894.1-2000	Circlip 14	4	40	JCPT3007M-00004	Pedal	1
13		Bearing14×24×1.5	4	41	JCPT3007M-00007	Support Board	1
14	JCPT2507M-81304	Screw Rod	4	42		Power indicator Light	1
15	JCPT2507M-81320	Nut Set	4	43		key Switch	1
16	GB/T 68-2000	Screw M3×6	4	44	GB/T70.1-2000	Screw M4x14	3
17	GB/T819.1-2000	Screw M4×12	12	45	GB/T97.1-2000	Washer 4	3
18	JCPT2507M-81307	Support Board	4	46	JCPT3007M-00014	Cover	1
19	JCPT2507M-81306	Foot Pad	4	47	JCPT3007M-11000	Chassis	1
20	JCPT2507M-81305	Screw	4	48	JCPT3007M-00001	Rubber washer	1
21	JCPT2507M-81202	Connecting Rod	4	49	JCPT3007M-00002	Level	1
22	GB/T879.1-2000	Spring pin 3×20	4	50		Hydraulic power pack	1
23	JCPT2507M-81205	Plate	4	51	95D	Battery	1
24	JCPT2507M-81204	Spring	4		120E	Battery	1
25	JCPT2507M-81206	Pin	4	52	JCPT3007M-00003	95D Battery Cover	
26	JCPT2507M-81207	Handle	4		JCPT3007M-00013	120E Battery Cover	1
27	GB894.1-2000	Circlip 20	4	53	JCPT3007M-00009	95D Controller Cover	1
28	JCPT2507M-81100	Outrigger Mount	4		JCPT3007M-00022	120E Controller Cover	1

Scissors Arms Assembly



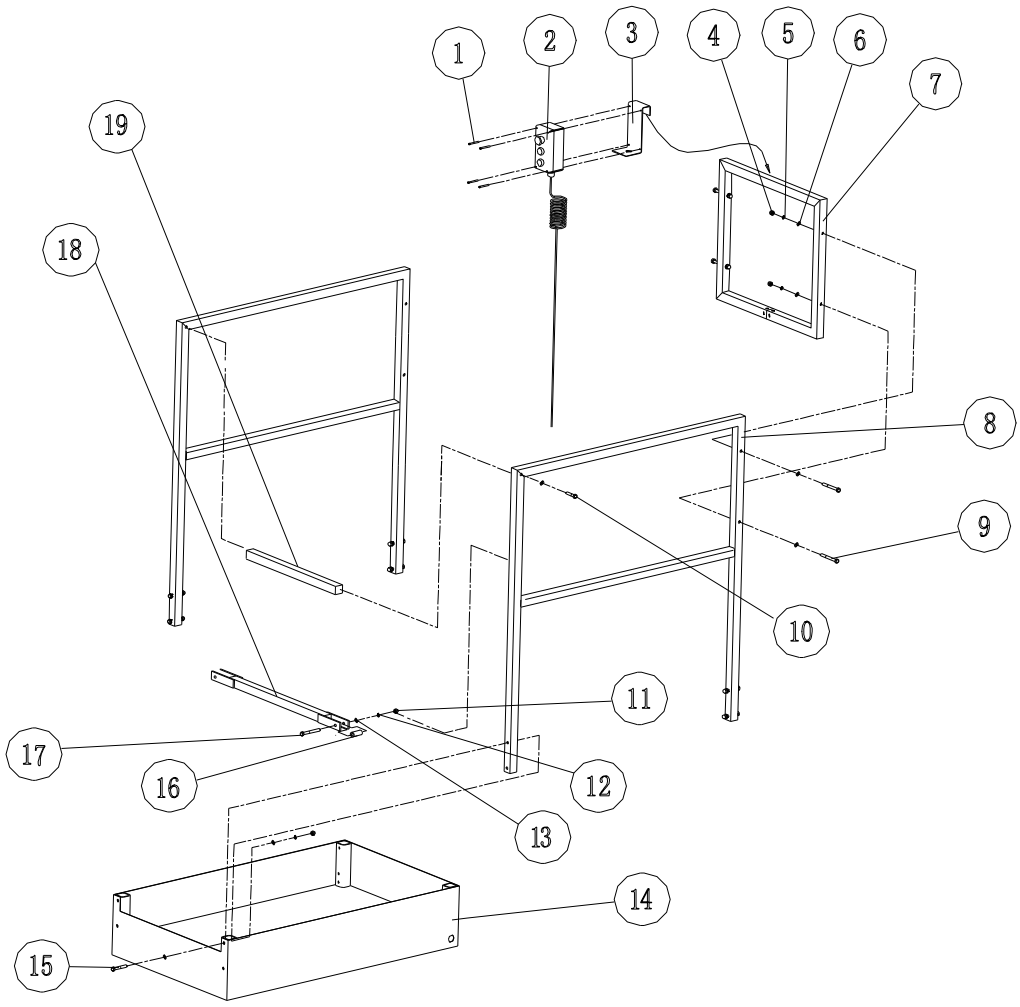
No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1	GB/T5780-2000	Bolt M6×50	18	11	JCPT1707M-31012	Safety Arm	2
2	GB/T97.1-2000	Washer 6	36	12	JCPT1707M-31011	Safety Arm Axle	2
3		Bearing2030	6	13	JCPT1707M-31002	Slider	4
4	JCPT1707M-31005	Spindle	2	14	JCPT1707M-31006	Spacer II	2
5	GB894.1	Circlip 20	28	15	JCPT3007M-31001	Lift Cylinder Pin	2
6	GB/T93.1-2000	Washer 6	18	16	JCPT3007M-53100	Lift Cylinder	1
7	GB/T6182-2000	Nut M6	18	17	JCPT3007M-31000	Scissors	1
8		Bearing2028	20	18	JCPT1707M-31003	Slider Pin	2
9	JCPT1707M-31001	Scissors Axle	12	19	JCPT1707M-31004	SpacerI	2
10	JCPT2507M-31002	Pivot Pin	2				

Platform (Draw Gate)



No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1		Screw M4×30	4	11	GB/T5782-2000	Bolt M8×55	8
2		Platform Controls	1	12	GB/T70.1-2000	Screw M6×16	4
3	JCPT1707M-00016	Platform Controls Carrier	1	13		Latch	1
4	GB/T923-1998	Nut M8	12	14	GB/T97.1-2000	Washer 6	4
5	GB/T93.1-2000	Washer 8	12	15	GB/T6182-2000	Nut M6	4
6	GB/T97.1-2000	Washer 8	24	16	JCPT2507M-41300	Gate	1
7	JCPT2507M-41220	Front Guardrail	1	17		Hinge	2
8	JCPT3007M-41220	Right Guardrail	1	18	GB/T12618.1-2006	Rivet 4×12	16
9	GB/T5780-2000	Bolt M8×75	4	19	JCPT3007M-41210	Left Guardrail	1
10	JCPT3007M-41100	Platform Deck	1				

Platform for PAX 10 (Slide Gate)



No.	Parts No.	Description	Qty.	No.	Parts No.	Description	Qty.
1		Screw M4×30	4	11	GB/T6182-2000	Nut M6	2
2		Platform Controls	1	12	GB/T97.1-2000	Washer 6	2
3	JCPT1707M-00016	Platform Controls Carrier	1	13	GB/T93.1-2000	Washer 6	2
4	GB/T923-1998	Nut M8	12	14	JCPT3007M-41100	Platform Deck	1
5	GB/T93.1-2000	Washer 8	12	15	GB/T5782-2000	Bolt M8×55	8
6	GB/T97.1-2000	Washer 8	24	16	JCPT2507M-42001	Roller	2
7	JCPT2507M-42120	Front Guardrail	1	17	GB/T5783-2000	Bolt M6×40	2
8	JCPT3007M-42110	Guardrail	1	18	JCPT2507M-42010	Gate Bar	1
9	GB/T5780-2000	Bolt M8×75	4	19	JCPT2507M-42020	Gate head	1
10	GB/T5783-2000	Bolt M8×40	2				

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