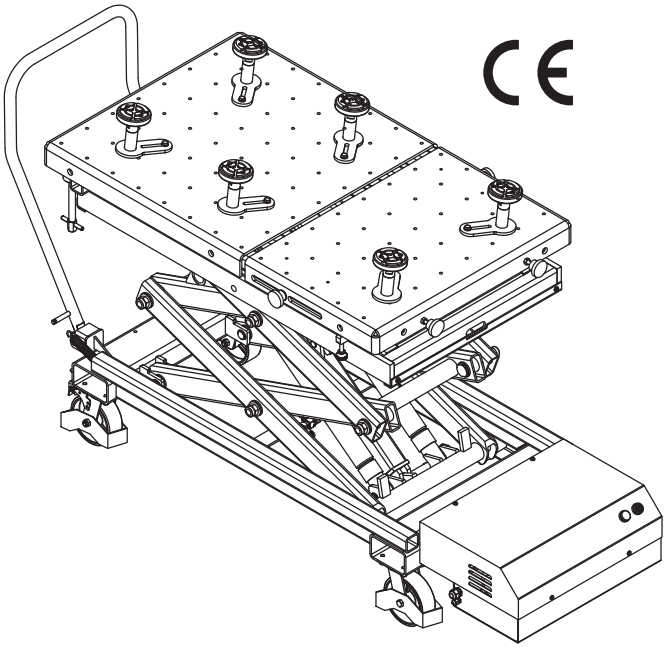
1.2 TON
TONELADAS

ELECTRIC PLATFORM CART FOR NEW ENERGY VEHICLE

CARRO DE PLATAFORMA ELÉCTRICA PARA VEHÍCULO DE NUEVA ENERGÍA



OWNER'S MANUAL

INSTRUCTIONS FOR USE

MANUAL DE PROPIETARIO

INSTRUCCIONES PARA SU USO

PRODUCT INTRODUCTION

Welcome to use the company's latest product of electric scissor platform for new energy vehicles, which has the advantage of good rigidity, high strength, durability and easy operation. For your safety and correct operation, please read this manual and all kinds of warning labels on the car carefully before use.

PURPOSE

This electric scissor type vehicle has the advantages of free lifting, flexible walking, convenient operation, beautiful style and no pollution. It can be widely used as a temporary working platform for goods handling in workshops, warehouses, freight yards and other small sites. It is an ideal tool to reduce fatigue strength, improve production efficiency and realize safe loading and unloading.

SPECIFICATION

WORK RANGE: (650-1840mm)

Mechanism

Capacity……. .....1200 kg

Load Properties.....…….Distributed Load

Min Height ..…….....650mm

Max, lifting Height….....1840 mm

Platform ….. .....1300 x 768 mm

Self weight ……..……app. 418kg

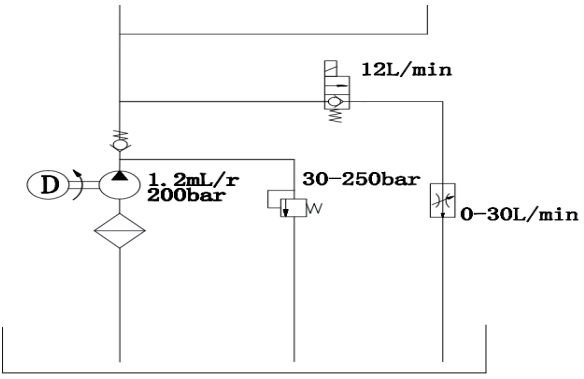
Electrical System

POWER: .....0.75 kW

Isolation: …….....IP 44

Voltage: …… .....110 V/60HZ OR 220 V/50HZ

Control system…….....……Push Button



SAFETY

Safety Hints in these Instruction

⚠ **Danger:** Draws attention to the fact that disregard for these instructions could lead to serious or even deadly consequences.

⚠ **Warning:** Draws attention to the potential danger situation if disregard for these instructions could lead to serous or even deadly consequences.

⚠ **Caution:** Draws attention to the fact that disregard of these instructions could under certain circumstances lead to injuries

Caution: If safety Hints are not in use, it would lead to potential danger situation, might cause property lost.

SAFETY INSTRUCTION

⚠ **Warning: In order NOT to cause the property lost and personnel injury, you must:**

● All personnel must have read and fully understood the operation instruction;

● All personnel must wear gloves and goggles to improve the safety during operation;

● ONLY authorized person allowed to maintain and repair this machine ;

● Before operation, operator must check if the lift has any deformation, crack, dent, long hole, or parts missing, if so, stop operation immediately and make report;

● All maintenance must use original supplier parts, as those parts are fully tested and approved;

● During opera on, must NOT overload the weight more than capacity and oversized more than extended length;

● Do NOT lift up or low down during platform extended;

● ONLY use this lift at firm solid ground floor;

● Do NOT move or lift for the position of Barycentre is out of operation area;

● Do NOT move the lifting table while load is lifting up. Be careful when passing through corner or slope area, as it might cause the personnel hurts. Please low the table to the max lowest position while moving the table with load;

● Do NOT stand under the load area;

● Must secure the base while lifting up or lowering down;

● Do NOT modify or change the machine without authorization, otherwise warranty would not be applied for this machine.

Electrical-hydraulic Pump

· Do not exceed the hydraulic pressure rating noted on the pump data plate or tamper with the internal high pressure relief valve. Creating pressure beyond the rated pressure can result in personal injury.

· Before replenishing the fluid level, retract the system to prevent overfilling the pump reservoir. An overfill can cause personal injury due to excess reservoir reseure created when cylinders are retracted.

SETTING UP/ ASSEMBLY

Open package:

1. Cut off all the strips from package;
2. Install the handle from two tubes at bottom of base frame, use pins to lock it;
3. Clear all the package material and remove the blocks which are used for fixing the wheels; .
4. With Caution move the trolley from pallet to ground;

Function check:

Please try to lift the hydraulic system and shear rod mechanism completely several times under no load.
1. Press the up button to lift the platform to the highest position;.
2. Press the down button to lower the lifting vehicle platform to the minimum.

Check other features

A. Table tilt function
Fully screw the drive screw in/out to ensure that the table tilt function is normal.
B. Stability adjustment
1. Screw the screw into the threaded hole (about 5 turns). When this function is not used, do not extend the screw out of the square tube or contact the ground of the platform; See Figure 2 in the section "Stabilization functions"

OPERATING INSTRUCTIONS

Fine Adjustment Tilting Feature

The forcing screws shown in Figure 1 allow the user to finely tilt the platform to help remove or install vehicle components.This featureprovides atotaloftwoinchesoftilt atthe frontof the platform which helps compensate for uneven shop floors, difficult fastener locations, etc. The forcing screws can be operated by either hand, or wrench or socket, depending on the applied load.

CAUTION: To prevent equipment damage, do not tilt the platform without the leveler screws in their lowest position as the platform might be driven into the screws.

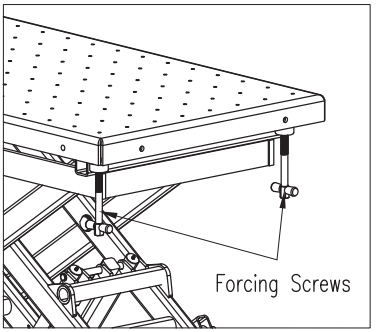


Figure1

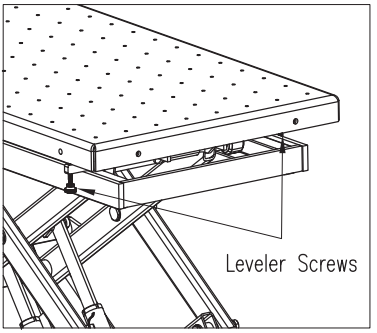


Figure2

Stabilization Feature

If lift is to be used as a stationary work surface for servicing components, two leveler screws (see Figure 2) have been added to help stabilize the platform.
When the desired tilt or platform position has been reached, thread both leveler screws inward until they meet the bottom of the platform and tighten finger-tight only. This provides two extra points of contact for a more stable platform.

Operating The Lifting Table for Removing Vehicle Components

1. Always follow the vehicle manufacturer's recommended service procedure for
2. Position the lifting table under the vehicle. Connect electrical power this to this power unit;
3. Press the UP button to raise the lifting table close the load.
4. Remove any remaining bolts from the vehicle component;
5. Press the down button, to make sure table is at lowest position;
6. Move the lift and load out from under the vehicle

Operating The Lifting Table To Install Vehicle Components

1. Position the lift under the vehicle chassis.
2. Align the component in the correct position and press the Up button to raise the lift.
3. Always follow the vehicle manufacturer's recommended service procedure for installing the component.

1 Safety

1.1 Safety Hints in instruction

Note that ignoring these guidelines can lead to serious or even fatal consequences

Note that ignoring these guidelines can lead to injury

Indicates that ignoring these guidelines can cause damage to the lift or items on the lift

1.2 Dangers of this Machine

This machine is equipped with safety devices and is put through safety and quality control tests but there is a threat of danger by incorrect operation and misuse for the operator or other people in the vicinity for the machine and goods.!

The danger zone is contained within the outer limits of the machine. All personnel concerned with the˝

- Installation
- Setting Up
- Operation
- Maintenance

of the machine must have read and fully understood the operating instructions.

1.3 Regulatory Applcation:

Applications

Lifting of weight until Max. load.
Working on the raise platform
Transporting of loads in the lowered position

Prohibited

Lifting and transportation of Personnel
Setting up and operation of machines in the open area.
Alternations and rebuilds of the machine

Positioning of the Load

Load should not overhang the platform
Unintentional shifting of the load should be prevented

1.4 Danger through accessories

When the following˝
- Rollers
- Conveyer Belts
- Other transport facilities.

are used the safety devices on the machine must not be made in operational through their use.
The danger zone is enlarged through the use of accessories!

1.5 Emissions

See dimension sheet in Appendix.

1.6 Source of Danger

Mechanic	Where?	Scissors arms/ underframe
	What?	Crush and shear points
	Danger!	Loss of limbs/life
Hydraulic	Where?	Hydraulic components e.g. hoses
	What?	Because of damage oil could be sprayed out under high pressure
	Danger!	Burns and contamination to the eyes
Current	Where?	Current carrying componects
	What?	Touch
	Danger!	Life Threatening

Work on the electrical and hydraulic components should only be carried out by a competent tradesman!

Always secure that the machine is out of service when

- Setting up
- Alteration of operation procedure
- Maintenance
- Servicing
- Repair

1.7 Qualified Operators

The operator Must:

#be over 18 years old
#be instructed in the operation of the machine
#have proved to the firm that he is capable of operating the machine
have read and understood the operating instruction.
must observe the operating instructions!

1.8 Personal Safety Equipment

For the operating of the machine:

- Safety shoes

For cleaning/maintenance/ repair:

" Safety shoes
" Work gloves
" Face protection

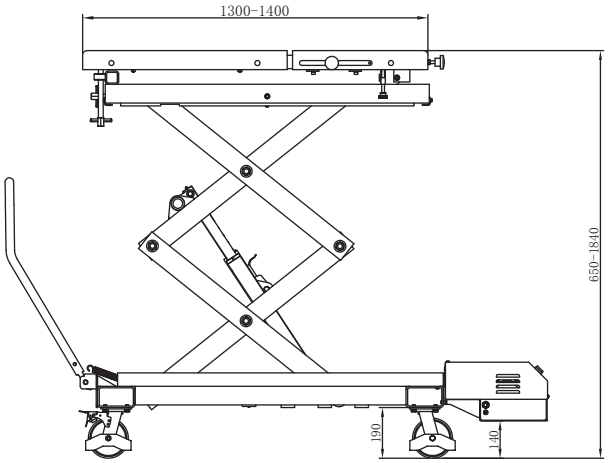
1 .9 Safety Measures in the Work Place

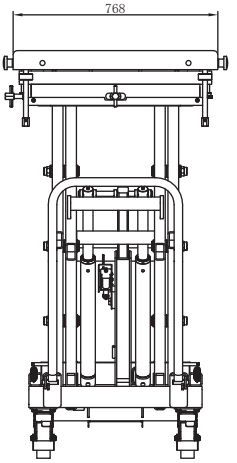
" Secure positioning of the machine
" Avoid crush and shear zones between the machine and its! surroundings
" Ensure that the workplace remains clean and clear of obstacles

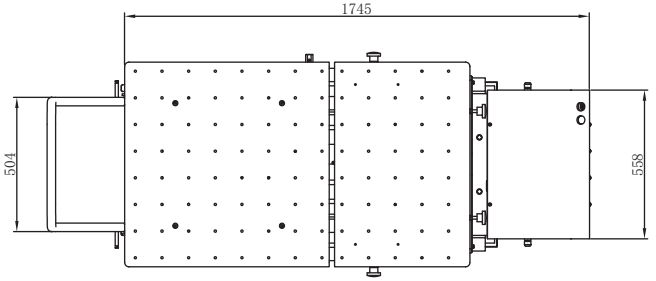
1.10 Conduct in An Emergency

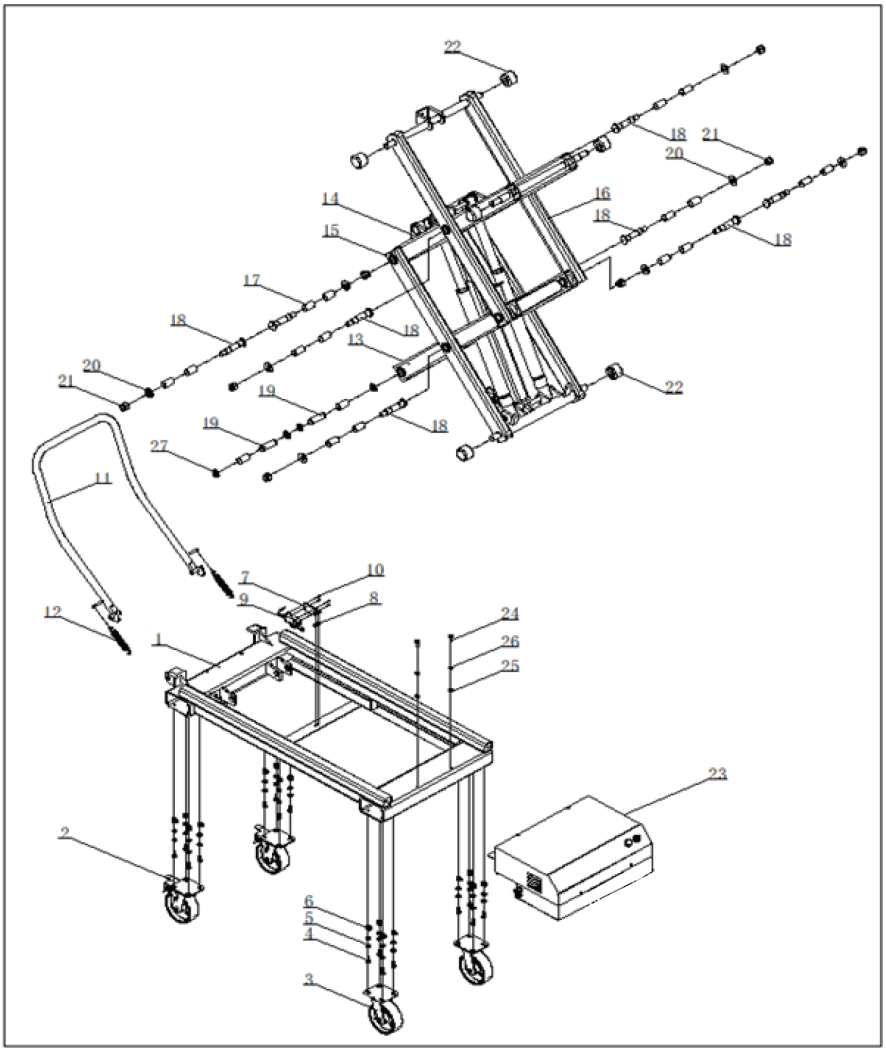
Release the UP/Down push-button immediately
Switch off at the main/remove the plug

DIMENSION DETAILS

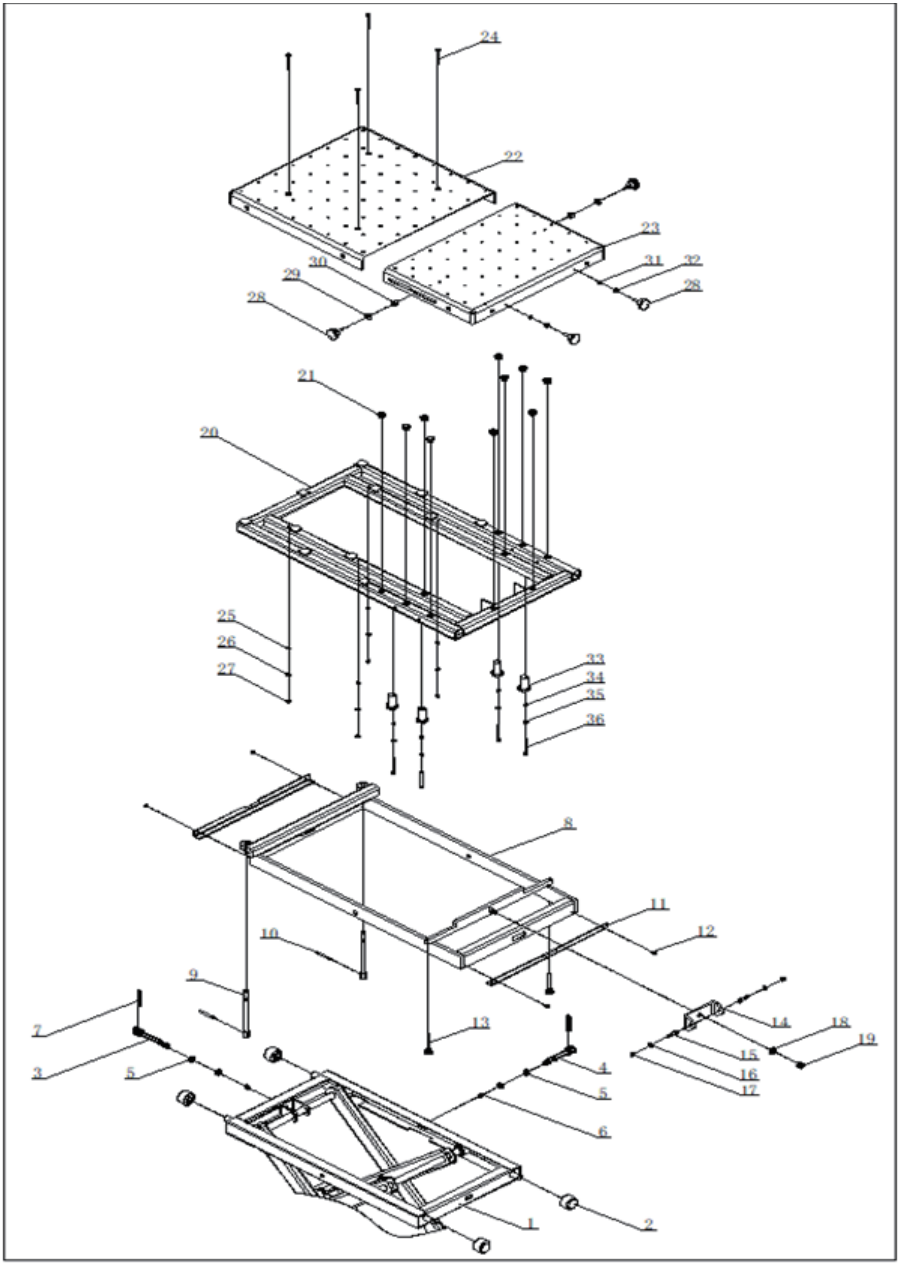




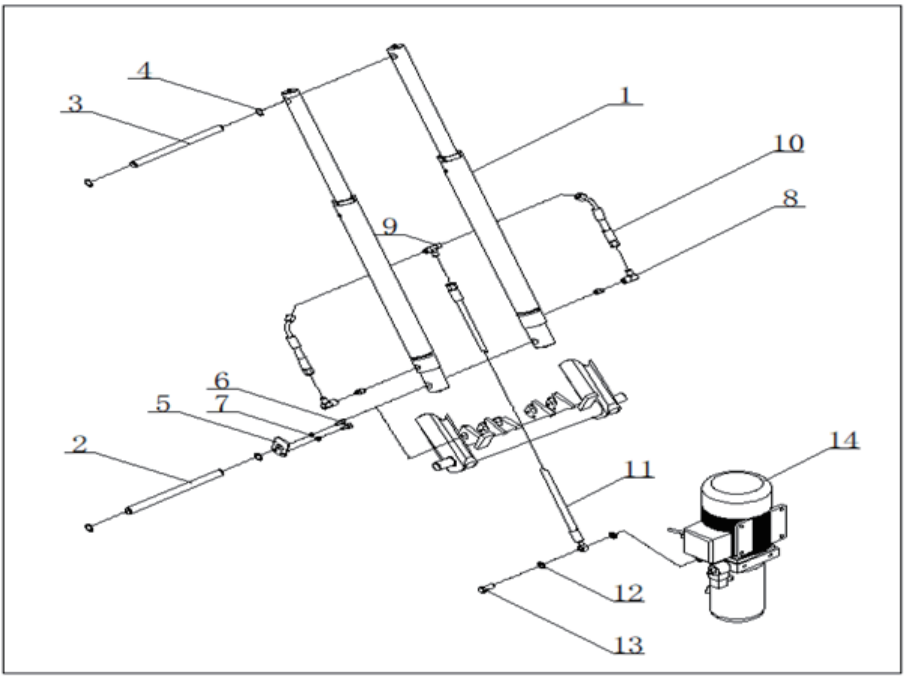



22
18
21
20
14
16
15
18
18
17
18
18
13
20
21
19
22
19
18
27
11
7
10
9
8
12
24
1
26
25
23
2
6
5
4
3

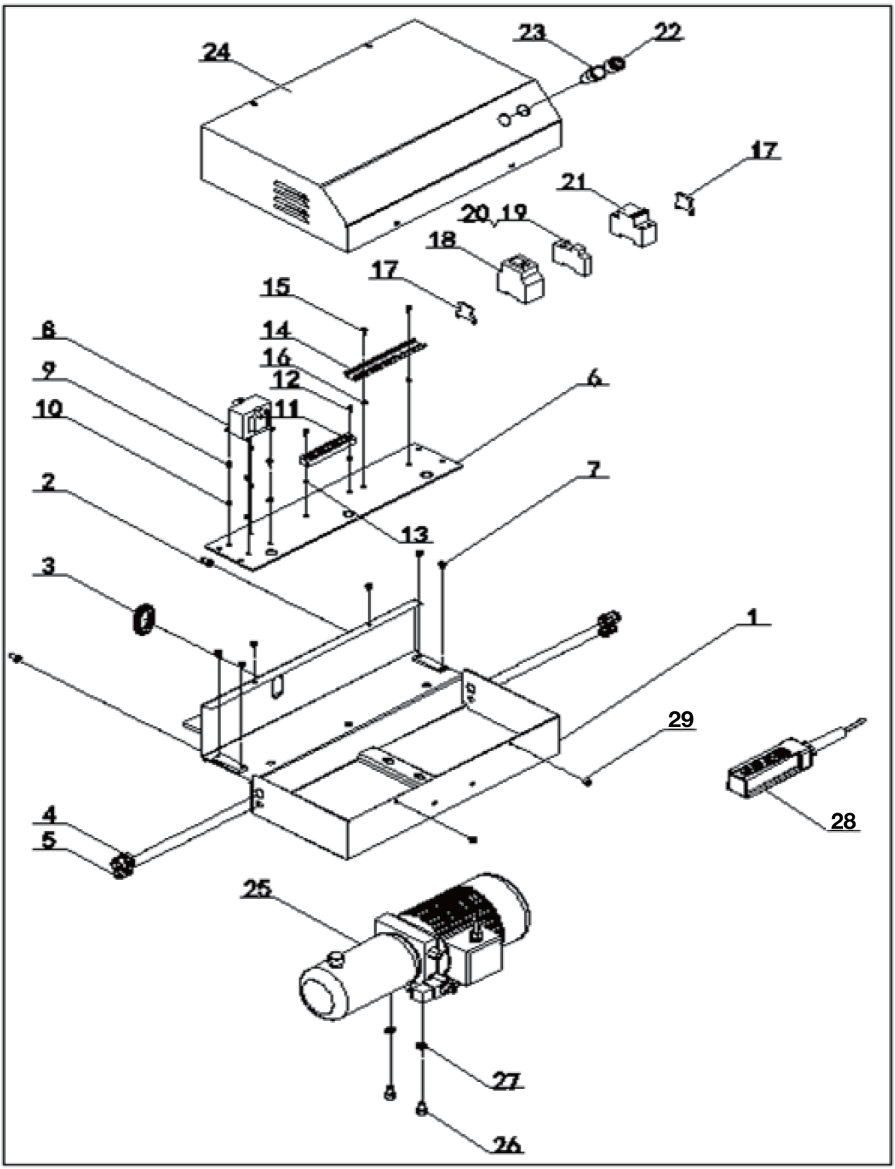
1	Base Weld	1
2	Universal casters with brakes	2
3	Wheel	2
4	Bolt M10*25	16
5	Plain washer	32
6	Screw M10	16
7	Angle iron	1
8	Bolt M6*10	2
9	Limit switchv	1
10	Bolt M5*12	4
11	Handle	1
12	Spring	2
13	scissors 01	1
14	scissors 02	1
15	scissors 03	1
16	scissors 04	1
17	Composite bushing P28×25×50	18
18	Axle for scissors	8
19	Axle for base	2
20	Washer	8
21	Self locking screw	8
22	Rolling wheel	6
23	Pump	1
24	Bolt M10*20	2
25	Plain washer 10	2
26	Spring washer	2
27	Shaft ring 25	4


24
22
23
31
32
28
30
29
28
21
20
25
26
27
33
34
35
36
8
11
12
10
9
13
7
3
5
14
18
19
15
16
17
4
5
6
1
2

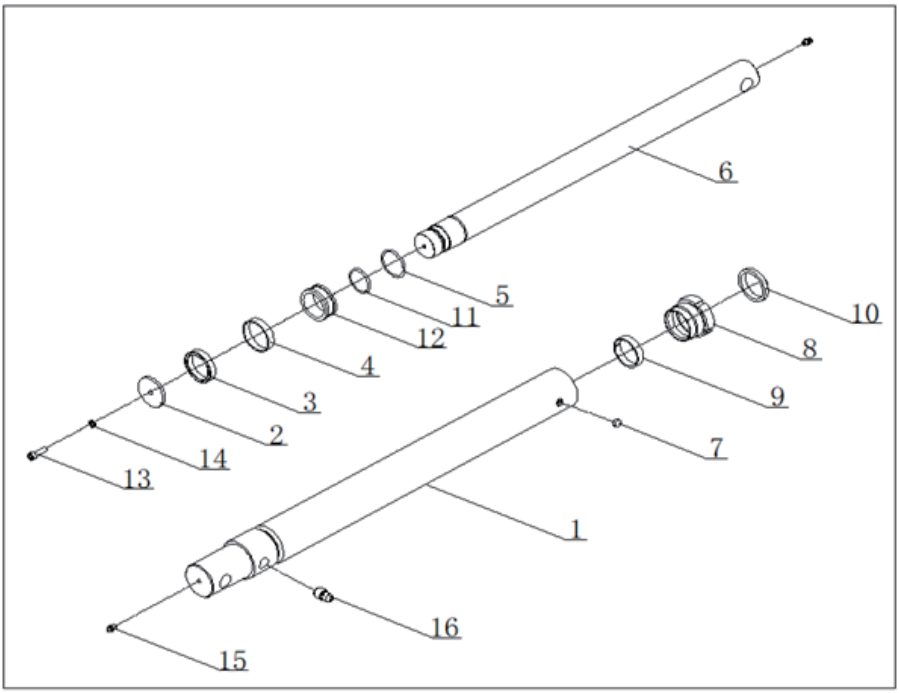
1	Frame weldment	1
2	Rolling wheel	4
3	Long Bar weldment	1
4	Short bar weldment	1
5	Bearing 51101	4
6	Self locking M12	2
7	Pin 10*80	2
8	Platform weldment (down)	1
9	bolt	2
10	Pin 10*80	2
11	Angel iron (small)	2
12	Bolt M6*10	4
13	bolt	2
14	U board	1
15	Bolt 13*25	2
16	Plain washer 10	2
17	Self locking screw M10	2
18	Plain washer 18	1
19	Self locking screw M16	1
20	Platform weldment (up)	1
21	Bearing	10
22	Platform A	1
23	Platform B	1
24	Bolt M8*80	4
25	Spring washer 8	4
26	Plain washer 8	4
27	Nut M8	4
28	Handle	4
29	Big washer 10	2
30	Sleeve C	2
31	Spring washer 10	2
32	Self locking screw M10	2
33	sleeve	4
34	Spring washer 8	4
35	Plain washer 8	4
36	Bolt M8*80	4



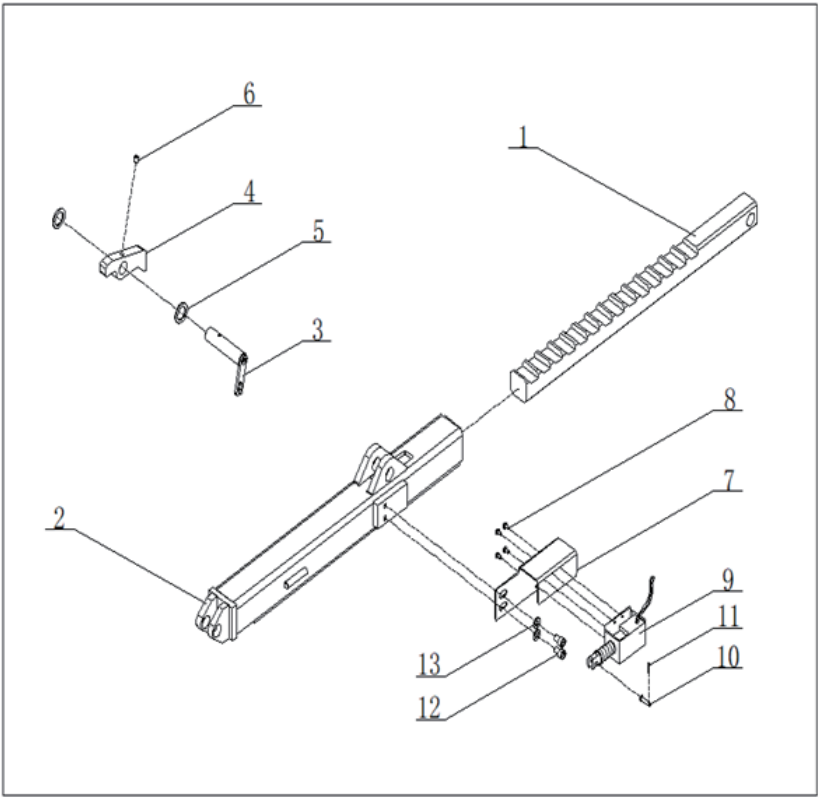
1	Cylinder (complete)	2
2	Cylinder axle	1
3	Cylinder axle A	1
4	Shaft ring 19	4
5	Fix board	1
6	Bolt M8*16	2
7	Spring washer 8	2
8	connection	2
9	T connection	1
10	Oil hose l=240	2
11	Oil hose L=1100	1
12	Composite bush	2
13	Short compression bolt	1
14	Pump 0.75KW	1


24
23
22
17
21
20,19
18
17
15
14
16
12
11
8
9
10
2
6
7
13
3
1
29
28
4
5
25
27
26

1	PUMP BOX	1
2	Bolt M8*16	2
3	Oil hose cover	1
4	Wire grip PG 13.5	2
5	Wire grip PG 7	2
6	Installation board of electronic	1
7	screw M6x8	4
8	Transformer	1
9	Cross recessed screw M5x8	4
10	Nut M5	4
11	strand oscillator	1
12	screw M4x10	2
13	Nut M4	2
14	Rail 140mm	1
15	Bolt M4*10	2
16	Nut M4	2
17	Yellow-green terminal	2
18	AC contactor	1
19	Fuse base	1
20	Fuse 6A	1
21	Breaker	1
22	Breaker AC24V	1
23	Indicator light (AC220V)	1
24	Pump cover	1
25	Pump 0.75KW	1
26	Bolt M10*16	2
27	Plain washer 10	2
28	Bolt M6*8	4
29	button	1



1	Cylinder body	2
2	Washer	2
3	seal	2
4	T47 wearing ring	2
5	Spring ring 38	2
6	Piston rod	2
7	Pneumostomeφ10	2
8	Guide sleeve	2
9	T47 wear ring	2
10	Dustproof ring	2
11	O ring φ30×2.65	2
12	Piston	2
13	Bolt M6*20	2
14	Spring washer 6	2
15	Oil cup M6*1	4
16	Throttle valve	2



1	Gear	1
2	Electrical unlocking system weldment	1
3	Electrical Taxle	1
4	brake ratchet	1
5	Washer	2
6	Bolt M8*10	1
7	Solenoid seat	1
8	Bolt M4*8	4
9	Solenoid	1
10	Pin roll-B 5*22	1
11	PIN 1.2*8	1
12	Bolt M8*12	2
13	Plain washer 8	2

Declaration of Conformity

The equipment which accompanies this declaration is in conformity \
with EU Directive(s):2006/42/EC Machinery Directive

Manufacturer

Name: Changshu Tongrun Auto Accessory Co., Ltd.
Address: New Long Teng Industrial Park, Changshu Economic Development Zone, Changshu, Jiangsu, China

A copy of the Technical file for this equipment is available from:
CCQS Certification Services Limited
Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin15, D15 AKK1, Ireland

Description of Equipment

Lifting table cart
TDP12003, capacity 1200kg
Serial number:

The following harmonised standards have been used:

EN ISO12100:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction.
EN ISO 3691-5:2015 Industrial trucks - Safety requirements and verification - Part 5: Pedestrian - propelled trucks
EN 1494:2000+A1:2008 Mobile or movable jacks and associated lifting equipment

Authorised signatory of manufacturer

Signature: Jie Tang

Position in company: Manager (authorized to compile the Technical File)

Made in china

Distributed by / Distribuido por:

TORIN INC.
Ontario, CA 91761

FOR CUSTOMER SERVICE
PARA EL SERVICIO PARA EL

www.torin-usa.com/support

Made in China / Hecho en China
www.torin-usa.com