



BATPRO

ORIGINAL MANUAL
PRODUCT REF NO: 9203
MANUAL REF NO:
1 1/2023 - REV. 1.0

1. FORE WORD:

This instruction manual is designed to answer most of the questions about the technical matters, utilization and safety instructions concerning the lifting table BATPRO.

We recommend each user and operator to read this instruction manual carefully and to keep it near the equipment while using the device, to get the best and safest possible utilization. When the BATPRO is being handed over to another person, this instruction manual must also be handed over along with BATPRO.

CELETTE CANNOT BE HELD RESPONSIBLE IN FOLLOWING CASES:

- Utilization of the lifting table BATPRO for any other purpose than the one it is designed for.
- Intervention or modification carried out without manufacturer's prior agreement.
- Adaptation of non-homologated or non-suitable accessories to the lift.

All information that are in this manual are believed to be correct at the time of publication. CELETTE has all the rights to change or alter the technical data without prior information.

2. THE LIFTING TABLE:

2.1 OPERATION OF BATPRO

The product BATPRO is a mobile lifting bench designed for dismantling and assembling batteries of electric vehicles. It can also be used for handling engine, gear box, drive axle, fuel tank, suspension bracket and other chassis components of combustion engine vehicles even. The applicable national laws and regulation must be followed while operating the lift.

BATPRO will help the technician to remove and fix back any of the previously mentioned car body parts without any hassle.

2.2 INSTRUCTIONS TO BE STRICTLY FOLLOWED

- Only technicians who have been instructed on the operation and usage of the bench shall be allowed to operate the bench.
- The lift is for indoor use only. Do not expose the lift to rain, snow or excess moisture.
- Before loading the lift, the user must study the original operation instructions and get familiarized with the operating procedures in several trial runs.
- Load the lift within the rated capacity. Do not attempt to raise the lift with excess load than mentioned.
- Before first operation of the lift, the condition of the lifting device has to checked by an authorized person.

TEST TYPE	LOAD	DURATION
Static Test (1.5 times Rated capacity)	3750 kg	1 hour
Dynamic Test (1.15 times Rated capacity)	2875 kg	One Complete cycle. 1 Slow Lifting 2 Normal Lifting 3 Lowering

- The condition of the lift has to be checked and maintained by a specialist at least once a year.
- Before each use, check the condition of the unit. Possible defects if any must be notified to CELETTE immediately and the device must be placed out of order.
- Keep hands and feet away from any moving parts.
- Do not wear any unfit clothes such as large clothes, ties which may get caught by the moving parts of the lift.
- To prevent unavoidable incidents, surrounding areas of the lift must be kept tidy and free from unwanted objects. Lift within the rated capacity.
- If the lift is going to be not in use, it is necessary to
 - a) Lower the lift to lowest position.
 - b) Disconnect the power.
- If the lift is not going to be not in use for a long time, following instructions must be followed along with the previous ones,
 - a) Empty the oil tank.
 - b) Lubricate all the moving parts with hydraulic oil.
 - c) Do not modify the lift without manufacturer's advice.

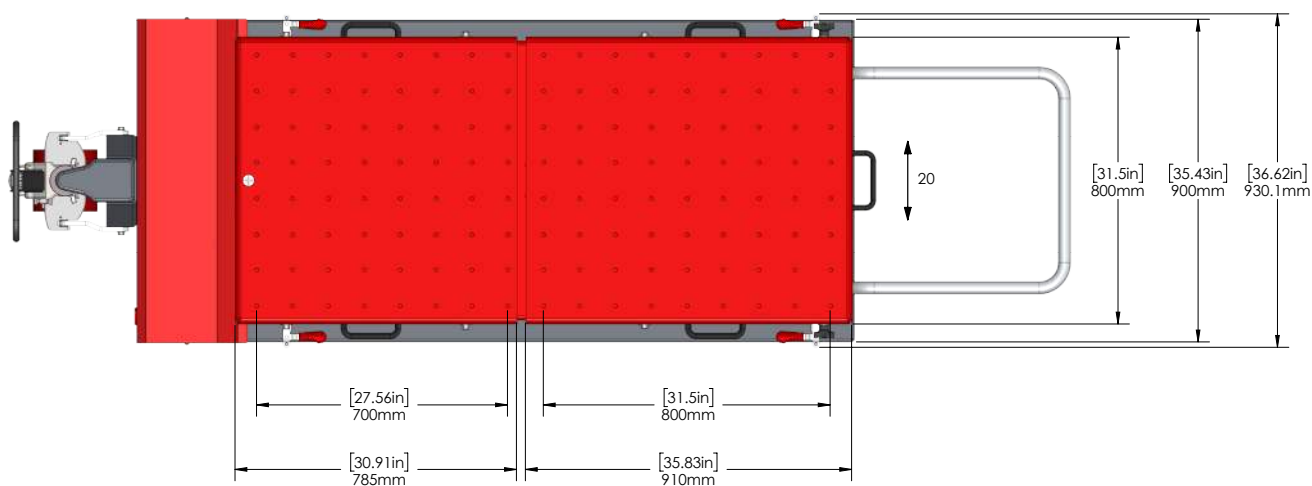
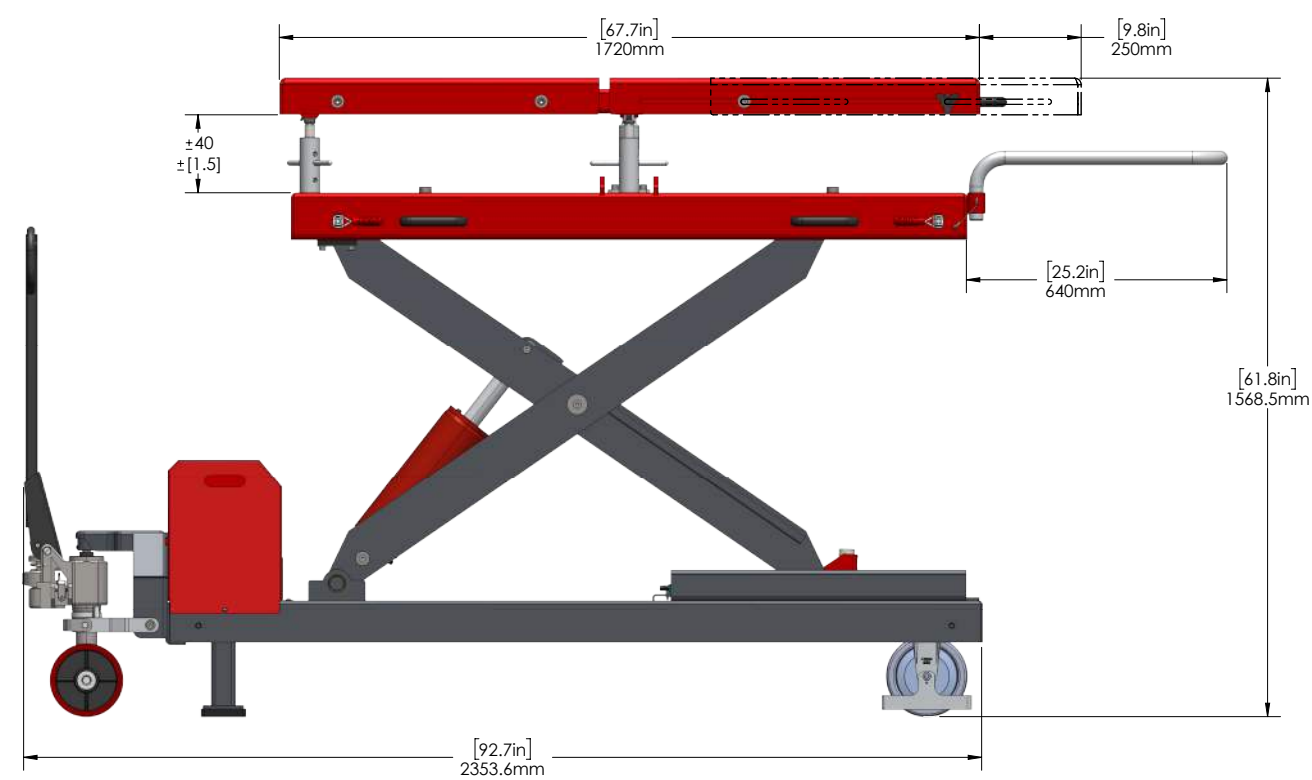
WARNING: The warnings, cautions and instructions which are discussed above cannot cover all the possible conditions and situations that are possible. It is the operator or the user's responsibility to have basic common sense about safety in operating a hydraulic lift.

3. SPECIFICATIONS:

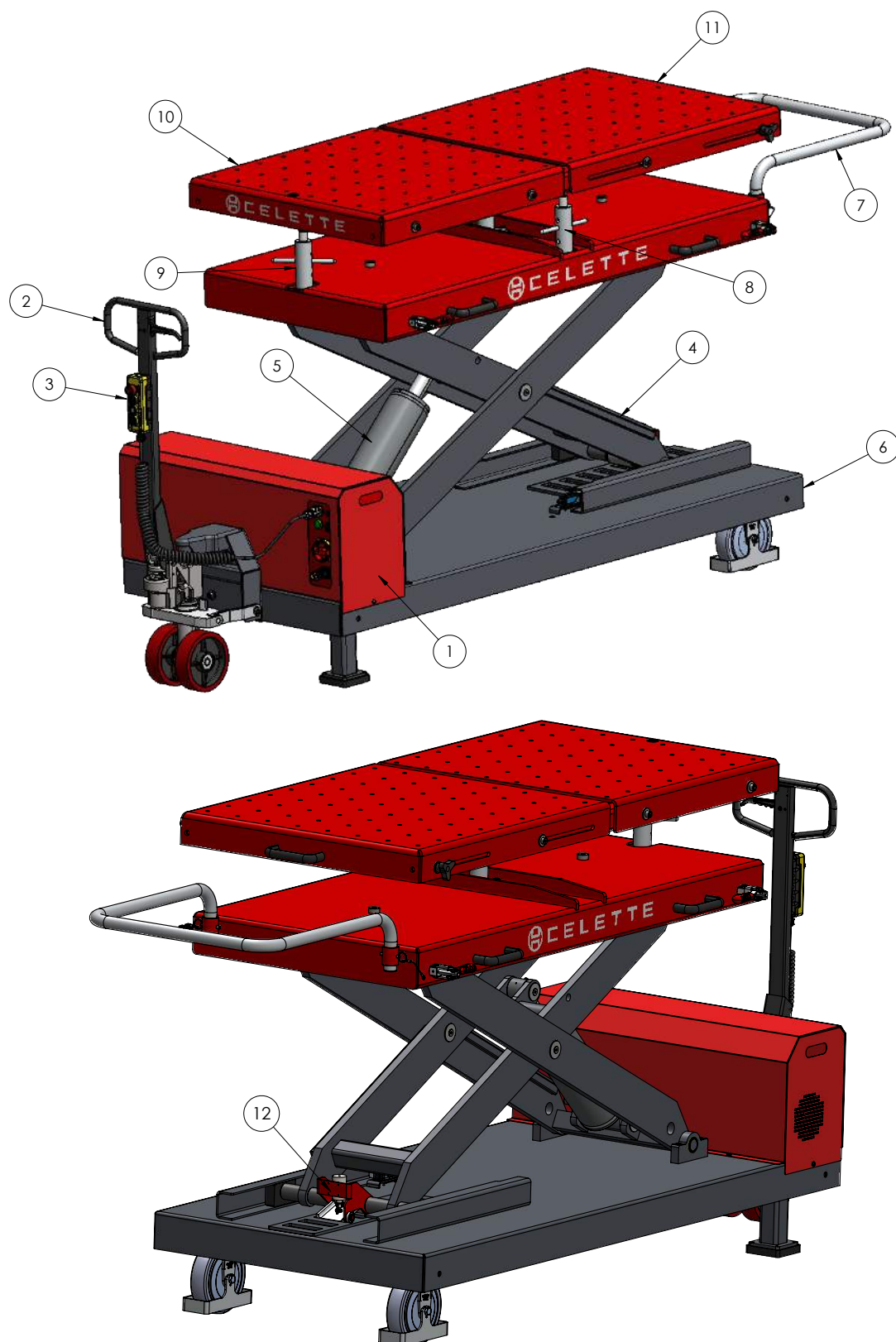
3.1 TECHNICAL DATA

DESCRIPTION	SPECIFICATION
Rated capacity	2500 kg
Motor	230 V 50 Hz/ 60 Hz
Full rise time with rated load (Normal speed)	45 seconds
Full rise time with rated load (Slow speed)	96 seconds
Full descend time with rated load	55 seconds
Hydraulic pressure	250 bar
Oil reservoir	5 litres

3.2 DIMENSIONS



3.3 CONSTRUCTION OF THE LIFT



1) POWER UNIT	7) HANDLE
2) MOBILE TOWING JACK	8) SIDE TILTING MEMBER
3) CONTROL UNIT	9) REAR TILTING MEMBER
4) LIFTING SCISSOR	10) FIXED PLATFORM
5) HYDRAULIC CYLINDER	11) SLIDING PLATFORM (EXTENDABLE UP TO 250 MM)
6) BASE FRAME	12) MECHANICAL SAFETY LOCK

4. SITE REQUIREMENTS:

4.1 FLOOR

The floor must be stable and should be able to withstand the rated load and the unit weight.

4.2 POWER SUPPLY

- INPUT POWER: 110V / 220V / 230V – 50 HZ / 60 HZ
- MCB:
- NUMBER OF POLES:

4.3 HYDRAULIC OIL

- A GOOD QUALITY HYDRAULIC OIL MUST BE USED IN THE POWER PACK.
 - GRADE: 32
 - QUANTITY: 4/ 5 LITRES (AS MENTIONED IN THE OIL TANK)
- THE UNIT IS ALREADY PROVIDED WITH ENOUGH HYDRAULIC OIL FILLED IN THE OIL TANK. MAKE SURE THE OIL HAS NOT DRAINED OFF.

We recommend keeping the area around the lifting table free from obstacles and unwanted objects to work and move around freely.

5. INSTALATION PROCEDURE:

5.1 INCLUDED PARTS

Check whether the following items have been provided the unit.

S.No	DESCRIPTION	QUANTITY
01	Extrusion Handle	1
02	M8x20 Allen Bolt, Full Thread	2
03	Towing Base	1
04	M10x30 Allen Bolt, Full Thread	1
05	M10x80 Allen Bolt, Half Thread	2
06	M10 Plate Washer	5
07	M10 Spring Washer	3
08	Towing Jack with connecting Plates	1
09	M10 Shoulder Bolt	2
10	Special Washer	2
11	M10 Plate Washer	2
12	M10 Nyloc Nut	2
13	Towing Unit Ball	1
14	M6x12 Hex Socket Button Head Cap Screw	1

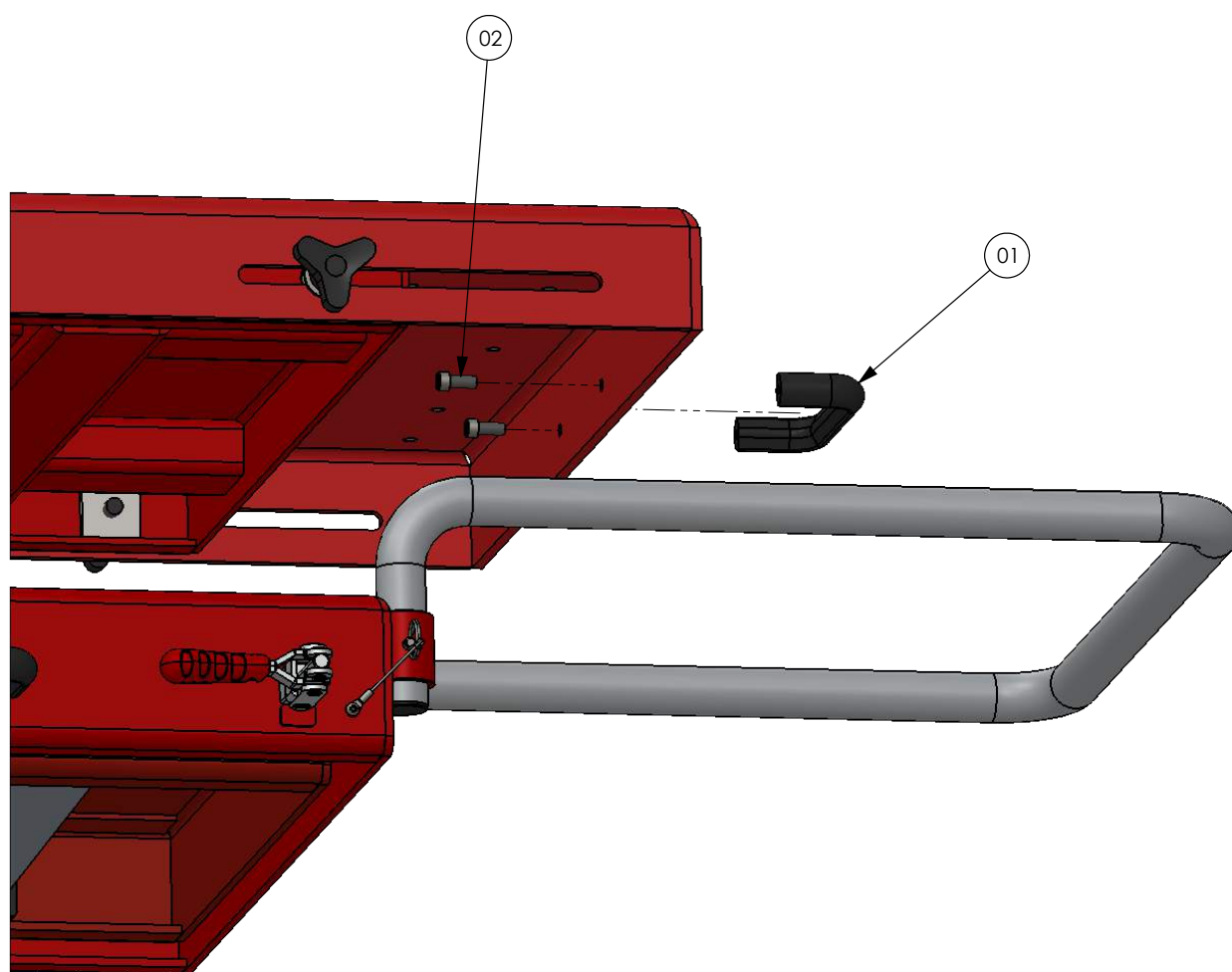
5.2 ASSEMBLY STEPS

STEP 1: FIXING THE HANDLE

PARTS REQUIRED,

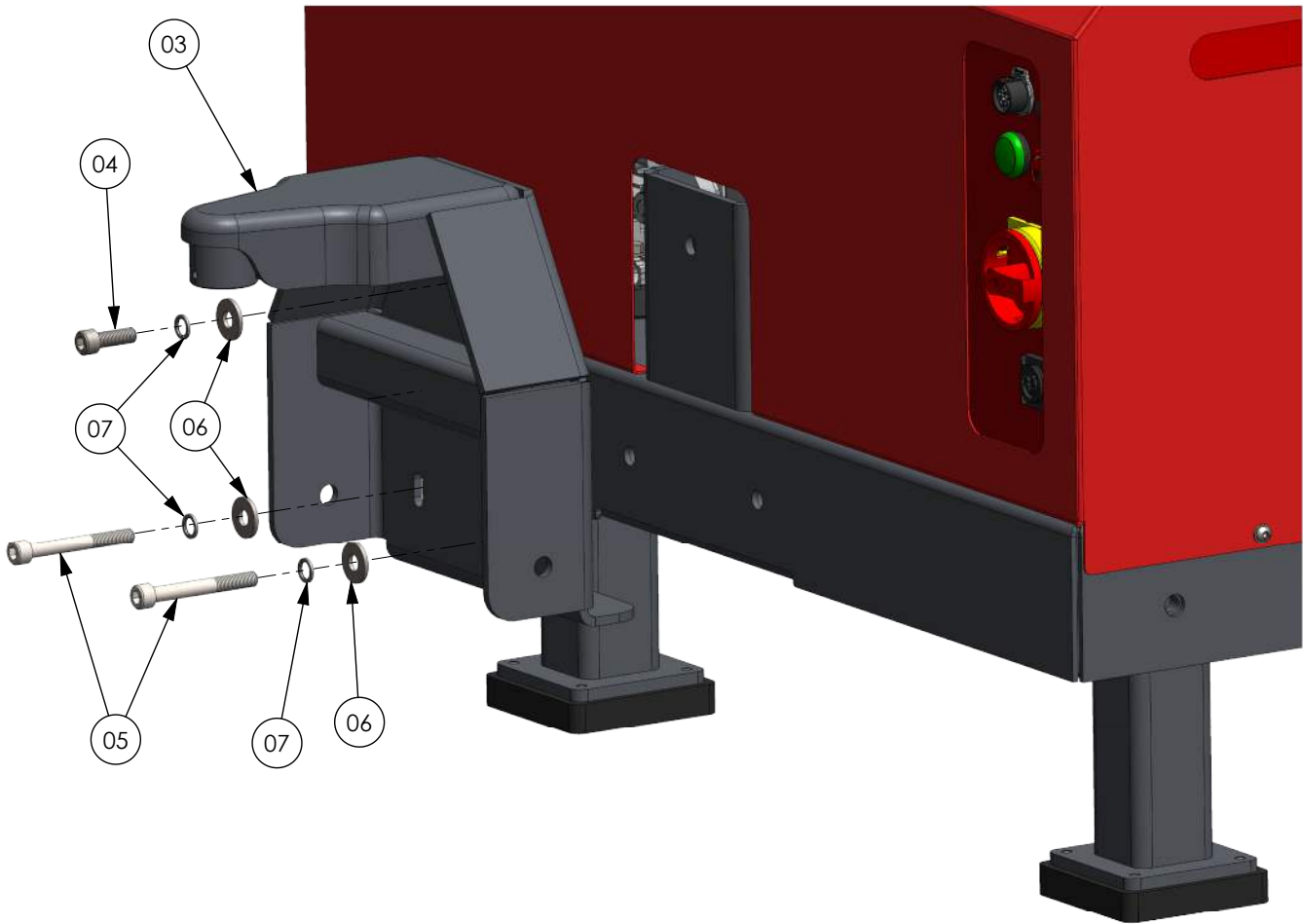
S.No	DESCRIPTION	QUANTITY
01	Extrusion Handle	1
02	M8x20 Allen Bolt, Full Thread	2

Pull the top siding plate as much as required to insert the bolt (item number 02). Make sure the handle (item number 01). is fixed firmly after tightening the bolt.



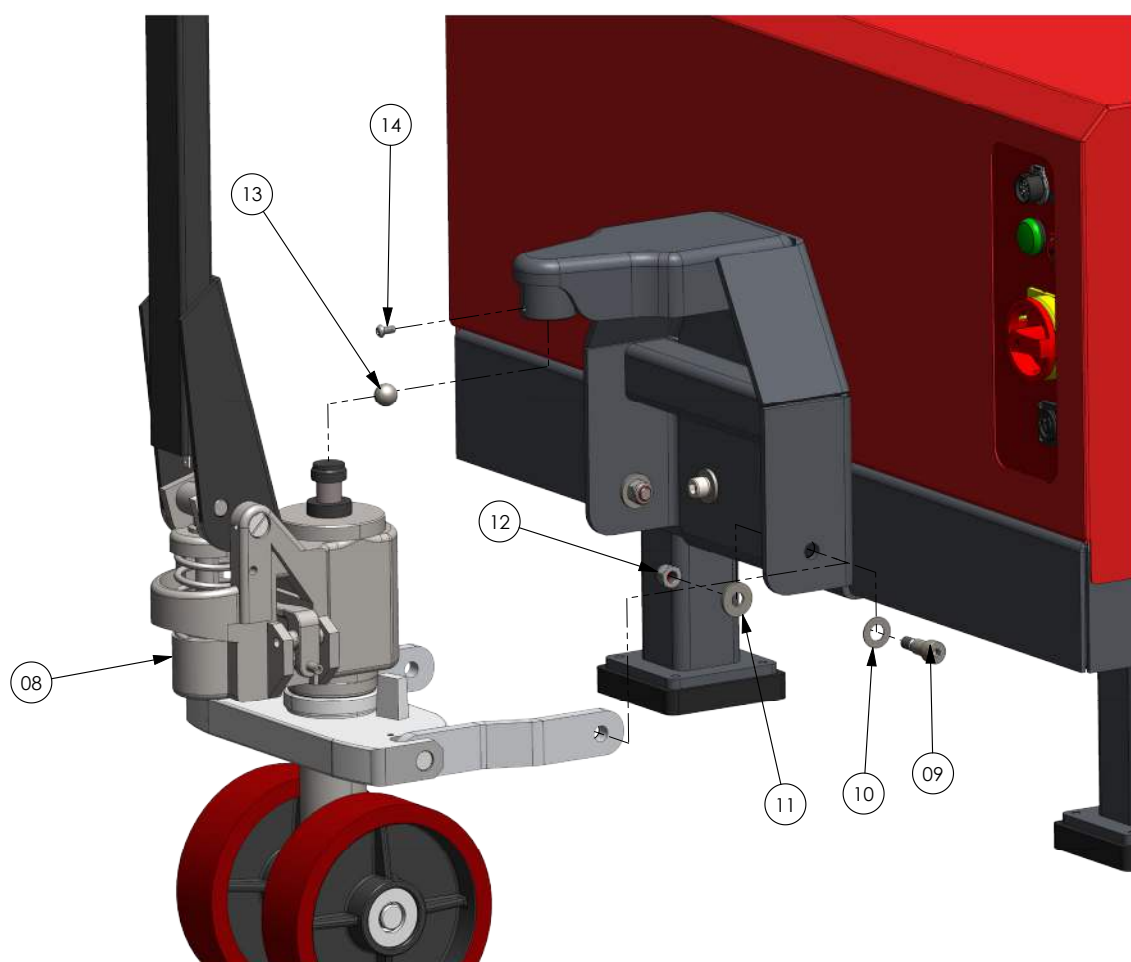
STEP 2: FIXING THE TOWING BASE
PARTS REQUIRED,

S.No	DESCRIPTION	QUANTITY
03	Towing Base	1
04	M10x30 Allen Bolt, Full Thread	1
05	M10x80 Allen Bolt, Half Thread	2
06	M10 Plate Washer	5
07	M10 Spring Washer	3



STEP 3: FIXING THE TOWING UNIT
PARTS REQUIRED,

S.No	DESCRIPTION	QUANTITY
08	Towing Jack with connecting Plates	1
09	M10 Shoulder Bolt	2
10	Special Washer	2
11	M10 Plate Washer	2
12	M10 Nyloc Nut	2
13	Towing Unit Ball	1
14	M6x12 Hex Socket Button Head Cap Screw	1



6. OPERATING THE LIFT:

Only authorized people are allowed to operate the lift.

Read and understand the complete operation instructions before operating the lift.

6.1 HYDRAULIC OIL CHECK

Make sure the power pack reservoir is filled with enough oil.

If the oil is not sufficient, fresh and clean can be filled in the tank. An oil of grade 32 has to be used.

Lift must be in fully lowered condition when filling oil.

Run the lift 2 to 3 complete cycles without load after filling fresh oil so that oil could get circulated throughout the circuit.

6.2 SAFETY INSTRUCTIONS

Use the lift only after carefully reading the instruction manual and understanding the contents for safe proper use.

6.2.1 BEFORE OPERATING THE LIFT.

- This lift is only for loading batteries, engines, gear box, drive axle, fuel tank, suspension bracket and other heavy chassis components. Do not use it for any other purpose.
- Do not use on slope more than 2.5%
- Do not use in strong wind where wind speed is more than 14 m/s.
- Before loading the lift, operate it without load for a complete cycle to make sure the lift is working properly.
- Before loading the lift, make sure the safety lock mechanism is working properly.
- When operating the lift, make sure the towing jack is lowered and the lift is in stable condition.
- Before moving the lift, the lift must be brought to its lowest position.
- The space under and around the load carrying lift should be free from unnecessary objects.
- Check and remove or clean the foreign objects and oil from the lifting platform.

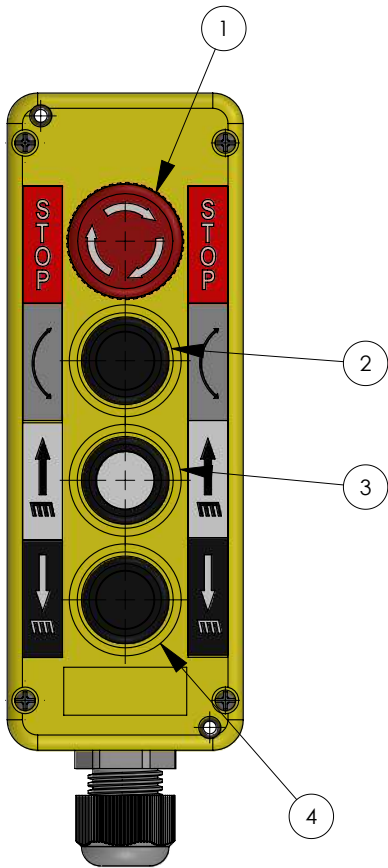
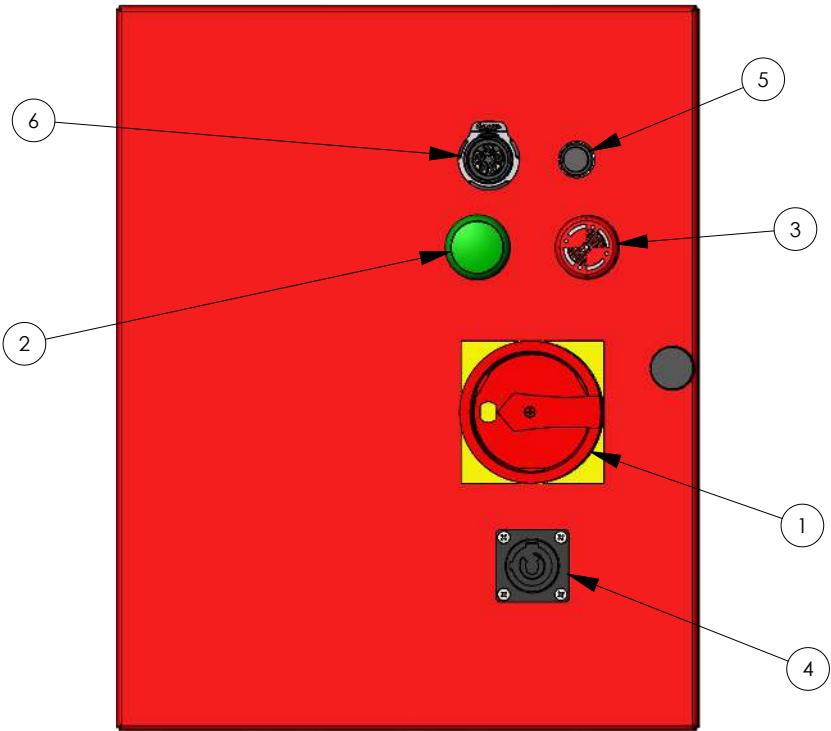
6.2.2 DURING OPERATION OF THE LIFT

- The load must be centred and well fixed on the carrying table. Only after verifying that the load is fixed properly and is positioned in the centre, the lift shall be operated.
- Do not attempt to raise or lower loads that exceed the rated capacity.
- Travelling on the load carrying platform is prohibited.
- The load carrying lift should be continuously under observation by the operator throughout the lifting and lowering operation.
- DO not shake the platform when a load is being carried. If the load is tilting to one side, stop the operation immediately.
- Keep hands, feet and other parts of the body away from moving parts of the lift to any accidents.
- Prohibit unauthorized people to operate the lift.
- While lowering the lift, make sure that nothing will interfere with its descent.

6.2.3 OTHERS

- BATPRO is not designed to be waterproof. Do not use it in environments with excessive moisture content.
- When the lift is not in use, lower it completely.
- Do not change or modify the lift without permission from the manufacturer.
- If any problem with the lift is noticed during operation, stop using the lift immediately and request for maintenance and service. Do not use until it is repaired.

6.3 CONTROL BUTTON DESCRIPTIONS



S.No	DESCRIPTION	FUNCTION
01	Main switch	Turns ON and OFF the main power supply
02	Power indicator	Displays if the power supply is connected
03	Buzzer	Audible warning is produced during descend of the lift
04	Control unit port	Port for connecting hand-held control unit
05	Fuse box	Contains the fuse
06	Power supply port	Port for power supply cable
07	Stop button	Turn-Off the handheld control unit
08	Up button	Press the button to rise slowly
09	Up button	Press the button to rise normally
10	Down button	Press the button to lower the lift

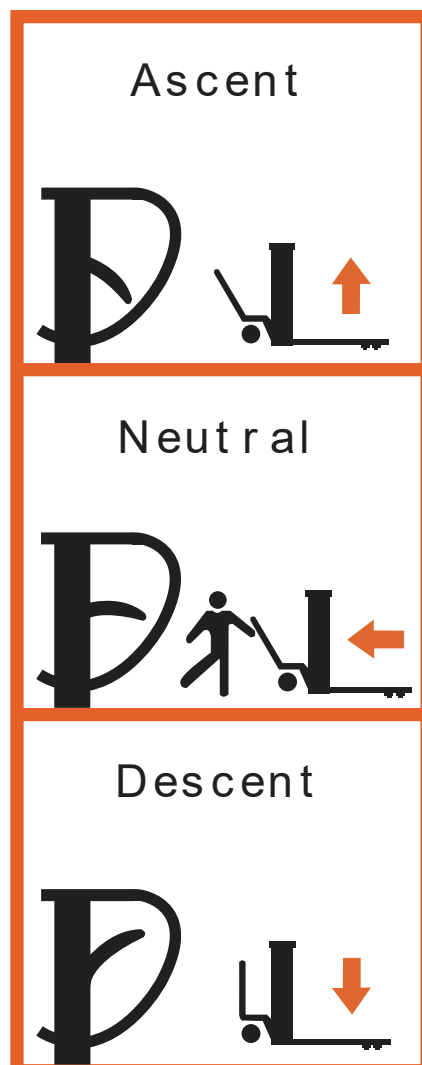
In case of overloading, it may not be possible for the lift to start from rest. The excess load has to be removed from the lift. It is advised to check the weight of the load before operating.

6.4 USING THE TOWING JACK

Before moving the lift, it must be lowered to its minimum height.

The towing jack is provided to lift the base from the ground so that the lift can be moved.

Do not forget to lower the towing jack before operating the lift.



The towing jack is operated using the handle and a lever in it.

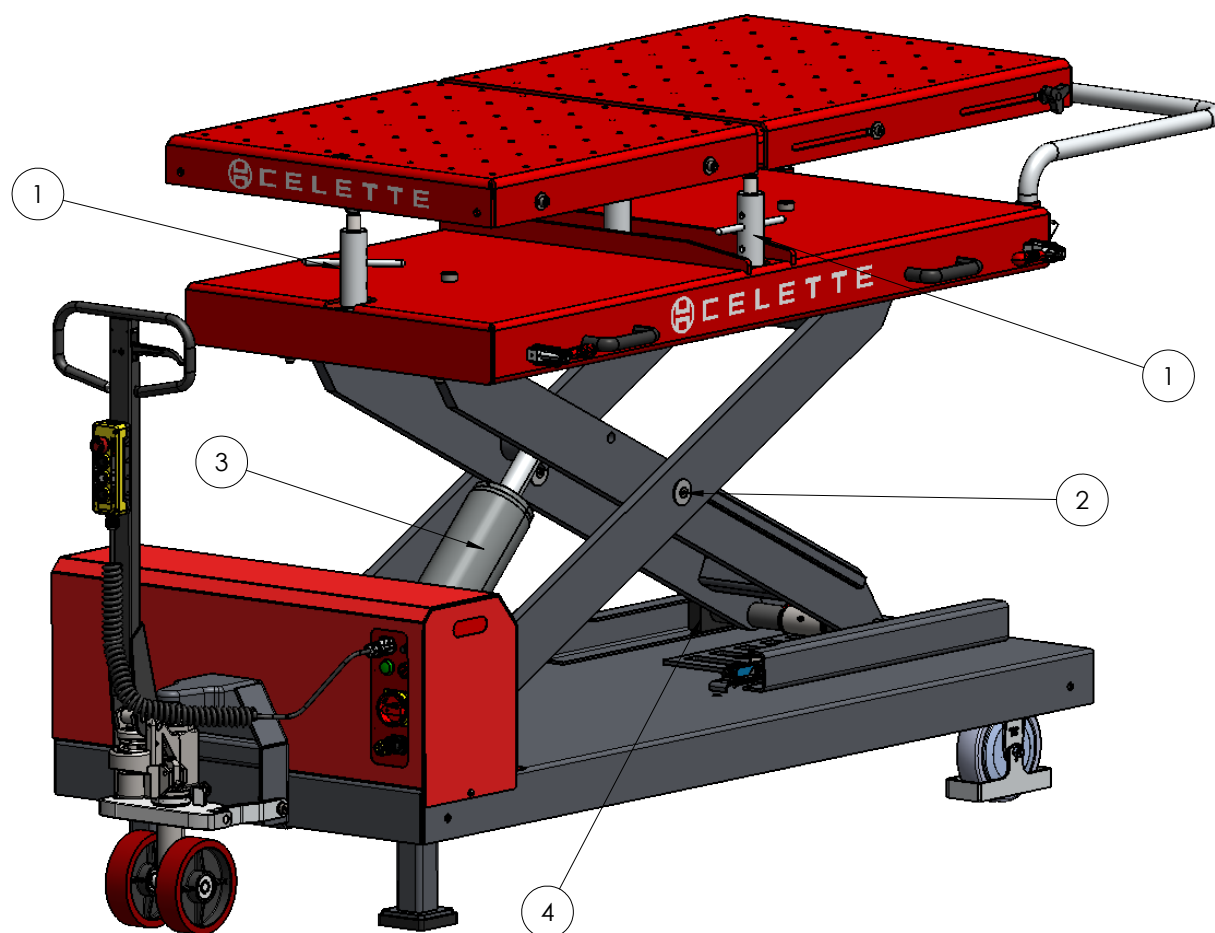
- Push the lever down and move the handle up and down to lift the base.
- Keep the lever in neutral position when moving the lift.
- Push the lever up slowly to lower the base to the ground.

7. MAINTAINANCE:

Few simple and low-cost routine maintenance can ensure the proper working of the lift and it's safety. Following the requirements for routine maintenance.

7.1 LUBRICATING BEFORE FIRST USE

Lubricating the moving parts with good quality grease. Regularly apply grease for every 3 months.



- Side and Rear tilting member.
- Centre pin of the scissor.
- Top and bottom ends of the cylinder
- Bottom and top sliding blocks

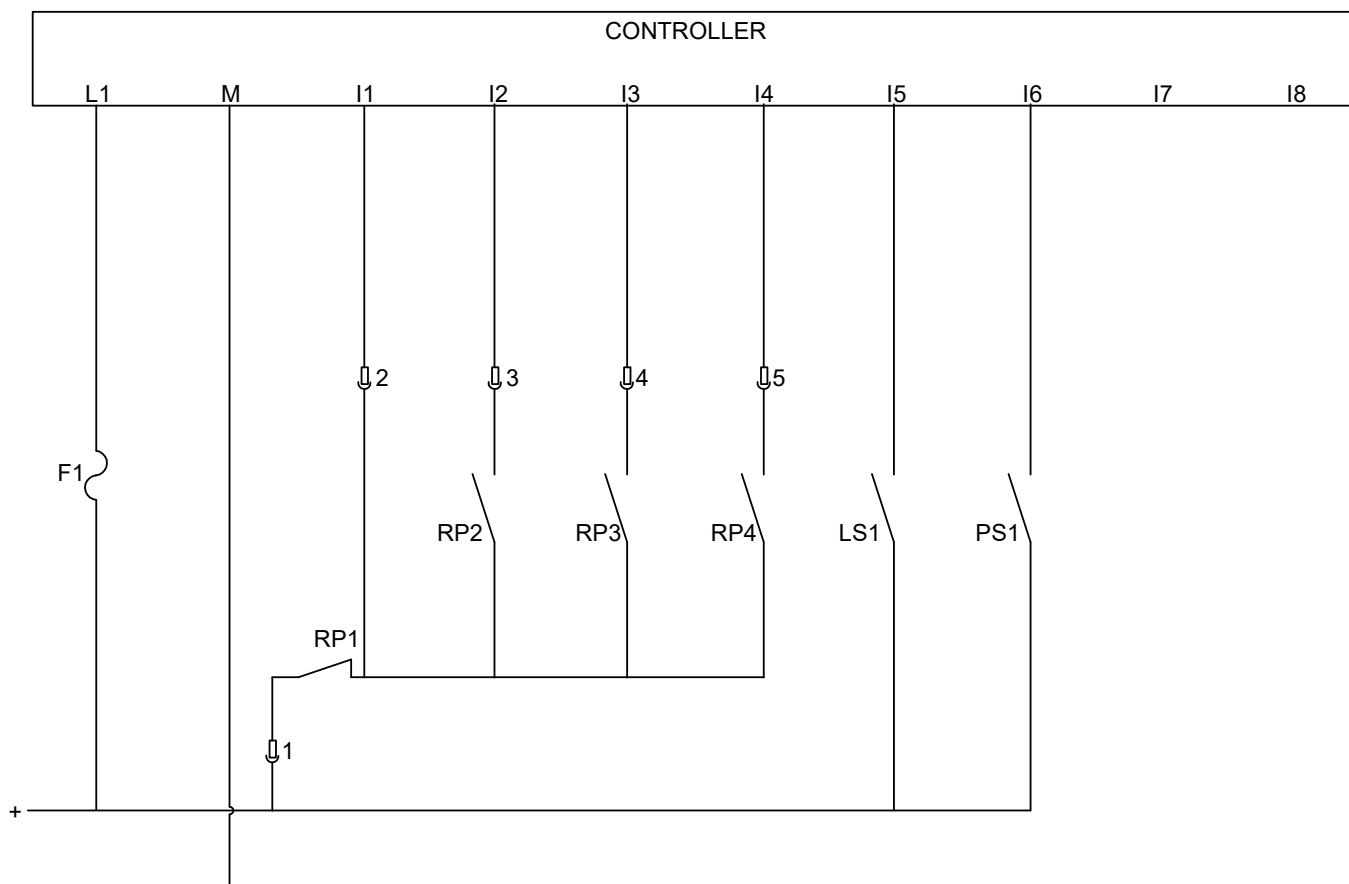
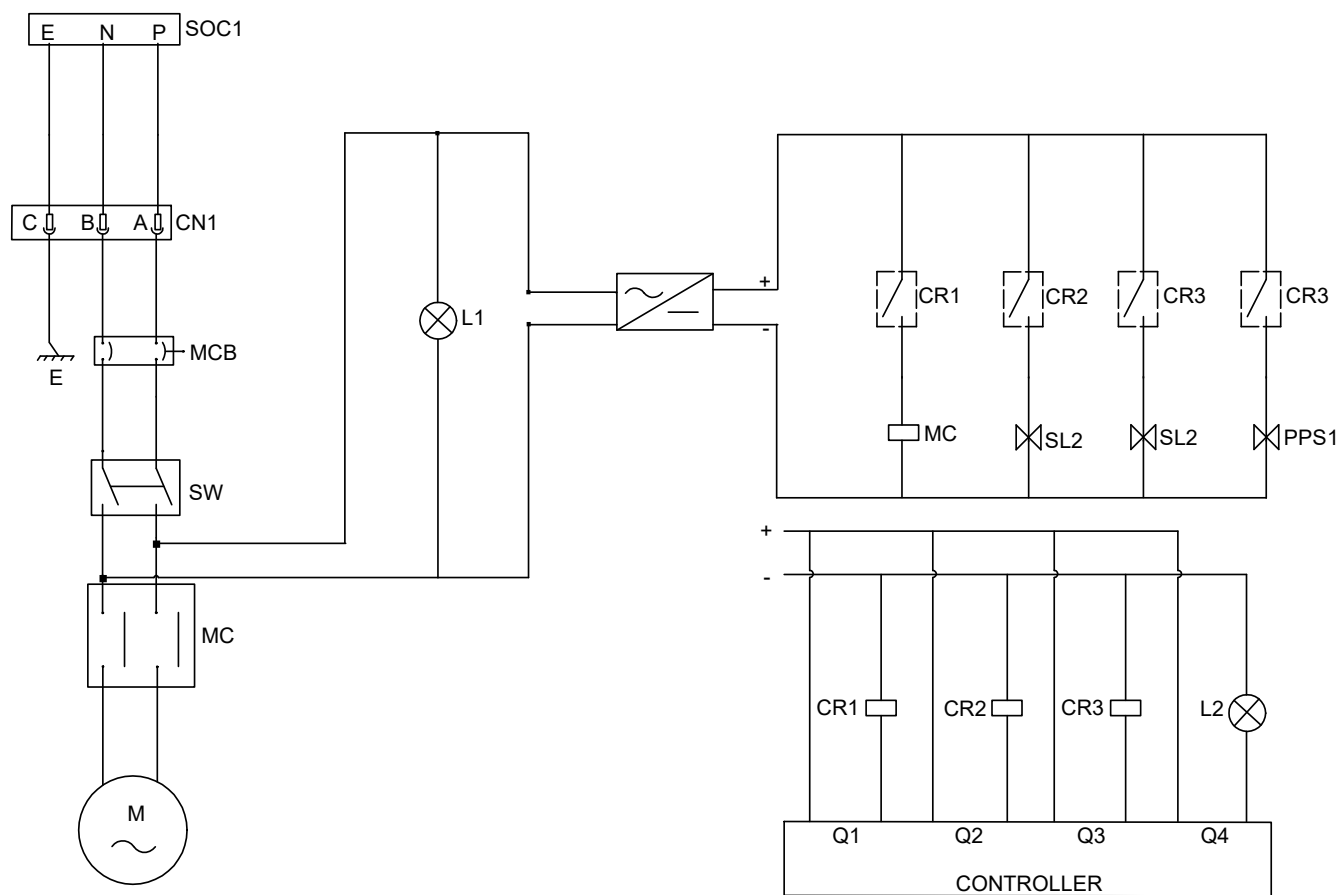
7.2 ROUTINE MAINTENANCE

Lubricating the moving parts with good quality grease. Regularly apply grease for every 3 months.

S.No	ITEM	METHODS	PERIOD
01	Caster Wheels	Push and turn around the lift to check the flexibility of the casters.	Everyday
02	Loading platform	Check and wipe off the oil and stains on the top surface of the loading platform before use.	Everyday
03	Control buttons	Check whether the control buttons work properly before use.	Everyday
04	Mechanical safety lock	Check whether the safety lock mechanism is working engages and disengages on pushing the control buttons.	Everyday
05	Circlip	Check if all the circlips are properly located in their corresponding grooves.	Every month
06	Sliding block	Check if any of the sliding blocks are over worn. Change worn sliding blocks. Add grease to ensure smooth running.	Every month
07	Entire Lift	Run for several cycles with and without load. Check whether the lift runs steadily and smoothly without any abnormal noise.	Every month
08	Hydraulic valves	Check whether the hydraulic valves leak when the lift is running. Clean or change the valve if any leak is noticed.	Every month
09	Hydraulic hose and fittings	Make sure there is no leak from the hydraulic circuit.	Every month
10	Hydraulic oil	Change the oil in 6 months after first use and once per year after that. Inspect the oil and change the oil if the oil has become black and if there are any impurities. It is recommended to use grade 32 hydraulic oil.	Every year

If users stick to the above-mentioned maintenance processes, the lift shall always be running in a good condition and have a longer life.

8. ELECTRICAL CIRCUIT DIAGRAMS:



THANK YOU!!!
FOR PURCHASING OUR PRODUCT



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IMPORTANT NOTE: Please do not forget to send us the product registration form for warranty registration.