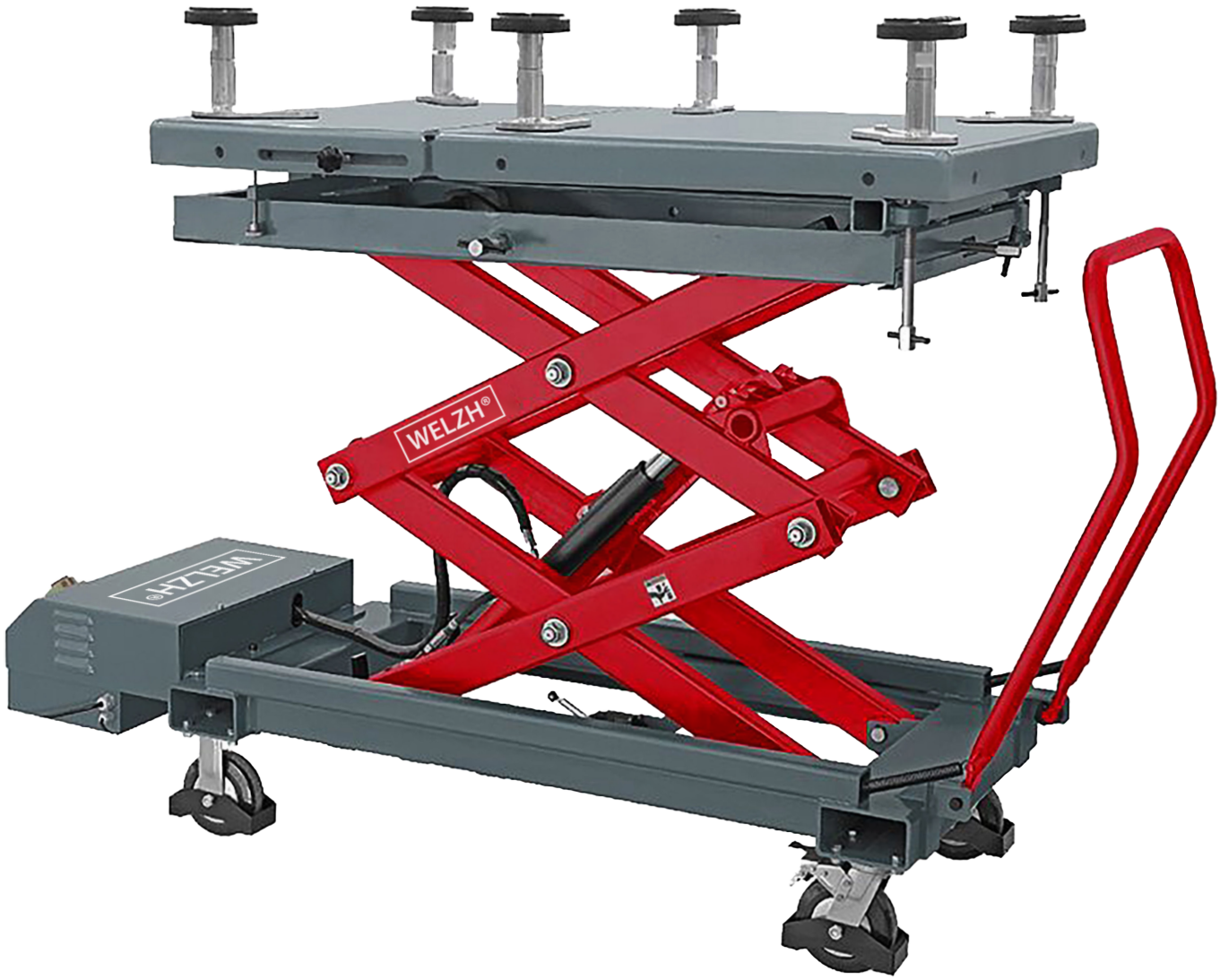
EV BATTERY LIFTING TABLE

SP: Mesa elevadora de baterías de vehículos eléctricos
PT: Mesa elevatória de bateria de veículo elétrico
DE: Batteriehebtisch für Elektrofahrzeuge
FR: Table élévatrice de batteries de véhicules électriques
NL: Accu heftafel voor elektrische voertuigen
IT: Tavolo elevatore per batterie di veicoli elettrici

Art. 5519-WW



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Safety

When operating the EV Battery Lifting Table, safety should always be the top priority. To ensure a secure working environment and prevent accidents, please adhere to the following safety guidelines:

1. Personal Protective Equipment (PPE):
Always wear safety shoes with non-slip soles and steel toe caps to protect your feet from potential falling objects or crushing hazards.
Use protective gloves when handling batteries to avoid contact with harmful chemicals or electrical components.
Wear safety glasses or goggles to shield your eyes from any potential splashes or debris.
Consider wearing a hard hat if there is a risk of falling objects in the work area.

2. Operator Training and Authorization:
Only trained and authorized personnel should operate the EV Battery Lifting Table.
Operators must be over 18 years old and have read and fully understood the operation manual before using the equipment.
Employers should provide thorough training on the proper use, safety precautions, and maintenance of the lifting table.

3. Workspace Safety:
Ensure that the work area around the lifting table is clean, well-lit, and free from obstacles or trip hazards.
Maintain a safe distance from other people or objects while operating the lifting table to avoid collisions or accidents.
Never stand or allow others to stand underneath the raised platform or suspended load.

4. Load Capacity and Distribution:
Adhere to the maximum load capacity of 1200kg and ensure that the weight of the battery is evenly distributed on the platform.
Never exceed the rated capacity or attempt to lift unevenly distributed loads, as this can cause instability or damage to the equipment.

5. Battery Handling Precautions:
Follow the battery manufacturer's guidelines for safe handling, installation, and removal procedures.
Use caution when working with electrical components and connectors to prevent short circuits or electrical shocks.
If a battery is damaged or leaking, follow proper disposal protocols and avoid contact with any hazardous materials.

6. Equipment Inspection and Maintenance:
Conduct regular inspections of the EV Battery Lifting Table to ensure that all components are in good working condition and free from damage or excessive wear.
Perform routine maintenance tasks, such as lubricating moving parts and checking hydraulic fluid levels, as specified in the maintenance section of the manual.
If any issues or malfunctions are detected, immediately stop using the equipment and contact a qualified technician for repairs.

Product Description

Versatile Application
Specifically designed for efficient and safe handling of electric vehicle batteries in workshops and service centers.
With a wide working range from 650mm to 1840mm, it accommodates a variety of tasks and applications.

Robust Safety Measures
Equipped with essential safety devices and has undergone thorough safety and quality control tests to ensure the well-being of operators.
A built-in stabilization system with leveler screws provides added stability when the platform is used as a stationary work surface.

Efficient Operation
With a load capacity of 1200kg and a distributed load design, the lifting table is well-suited for handling heavy vehicle components.
The user-friendly push-button control system, smooth lifting action, and easy maneuverability make the lifting table simple to operate, reducing operator fatigue and enhancing overall productivity.

Specifications

Load Capacity:
Maximum Load: 1200kg (2645 lbs)
Lifting Height:
Minimum Height: 650mm (25.6 in)
Maximum Height: 1840mm (72.4 in)
Platform Dimensions:
Length: 1300mm (51.2 in)
Width: 768mm (30.2 in)
Lifting & Lowering Time (Unloaded):
Lifting Time: Approx. 46 seconds
Lowering Time: Approx. 105 seconds
Power Supply:
Voltage: 220V/50Hz, single-phase
Power Rating: 0.75 kW
Control System:
Type: Push-button control
Safety Features:
Overload Protection
Emergency Stop Button
Adjustable Leveling Screws
Mechanical Locking System
Construction & Materials:
Main Structure: High-quality steel
Platform Surface: Non-slip textured finish
Hydraulic System: Smooth and reliable operation

Assembly

Unboxing:
Cut off all the strips from the package.
Clear all the packaging material and remove the blocks used for fixing the wheels.
Handle Installation:
Install the handle from two tubes at the bottom of the base frame.
Use pins to lock the handle in place.
Moving the Trolley:
With caution, move the trolley from the pallet to the ground.

Function Checks and Setup:
1. Hydraulic System Check:
Try lifting the hydraulic system and shear rod mechanism completely several times under no load.
Press the “Up” button to lift the platform to the highest position.
Press the “Down” button to lower the lifting platform to the minimum height.

2. Table Tilt Function Check:
Fully screw the drive screw in/out to ensure that the table tilt function is working properly.

3. Stability Adjustment:
Screw the leveling screws into the threaded holes (about 5 turns) on the base frame.
When not in use, ensure that the screws do not extend out of the square tube or contact the ground.

4. Fine Adjustment Tilting Feature:
The forcing screws allow the user to finely tilt the platform to help remove or install vehicle components.
This feature provides a total of two inches of tilt at the front of the platform, which helps compensate for uneven shop floors or difficult fastener locations.
The forcing screws can be operated by hand, wrench, or socket, depending on the applied load.

5. Leveler Screws for Stationary Use:
If the lift is to be used as a stationary work surface for servicing components, adjust the leveler screws to stabilize the platform.
Once the desired tilt or platform position is achieved, thread both leveler screws inward until they meet the bottom of the platform and tighten them finger-tight.

After conducting these checks and making the necessary adjustments, the EV Battery Lifting Table should be ready for operation. Always ensure that all safety precautions are followed, and the operator is familiar with the proper use and maintenance of the equipment as outlined in the factory manual.

Visual Inspection:
Check for any visible damage, deformation, cracks, or missing parts on the lifting table, including the platform, scissor mechanism, and base frame.
Ensure that all bolts, nuts, and pins are securely fastened and not loose or missing.
Verify that the hydraulic hoses and fittings are free from leaks, damage, or excessive wear.
Confirm that all safety labels, warning signs, and control markings are clearly visible and legible.

Cleanliness:
Ensure that the lifting table and its components are clean and free from dirt, debris, or grease that could affect its operation or cause slips and falls.
Check that the work area around the lifting table is tidy and free from obstructions or trip hazards.

Hydraulic System:
Inspect the hydraulic fluid level in the power unit reservoir and top up if necessary, following the manufacturer's recommendations.
Check for any signs of hydraulic fluid leaks around the cylinders, hoses, and fittings.
Verify that the hydraulic system operates smoothly and without any unusual noises or vibrations during lifting and lowerin**g.**

Electrical System:
Ensure that the power cord is in good condition, free from cuts, frays, or exposed wires.
Check that the plug and electrical outlet are compatible and properly grounded.
Test the functionality of the push-button control, ensuring that the buttons operate smoothly and the lifting table responds accordingly.
Verify that the emergency stop button is in proper working condition.

Safety Features:
Test the limit switch to ensure that it properly restricts the maximum lifting height.
Check that the mechanical locking system engages securely when the platform is raised.
Ensure that the leveling screws are adjusted correctly and the lifting table is stable on the ground.
Verify that the overload protection system is functional and prevents lifting when the maximum load capacity is exceeded.

Wheels and Casters:
Check that the wheels and casters rotate freely and smoothly, without any damage or flat spots.
Ensure that the caster brakes engage securely and hold the lifting table in place when applied.

Operation

Step 1: Positioning the Lifting Table

1.1 Place the lifting table under the vehicle, aligning it with the battery location.

1.2 Engage the brake pedals on both wheels to prevent unintended movement.

Step 2: Connecting Power and Raising the Platform

2.1 Connect the power cord to a suitable outlet (220V/50Hz).

2.2 Turn the main switch to the “ON” position.

2.3 Press the “UP” button to raise the platform to the desired height.

Step 3: Adjusting the Platform and Rubber Pads

3.1 If needed, use the adjustment keys to tilt the platform and compensate for uneven floors.

3.2 To adjust the rubber pads:

a. Loosen the bolts at the base of the pads.

b. Adjust the position and height of the pads as needed.

c. Retighten the bolts to secure the pads in place.

3.3 Ensure the battery rests securely on the rubber pads.

3.4 To adjust platform size:

a. Locate the locking keys on both sides of the platform.

b. Loosen the locking keys by turning them counterclockwise.

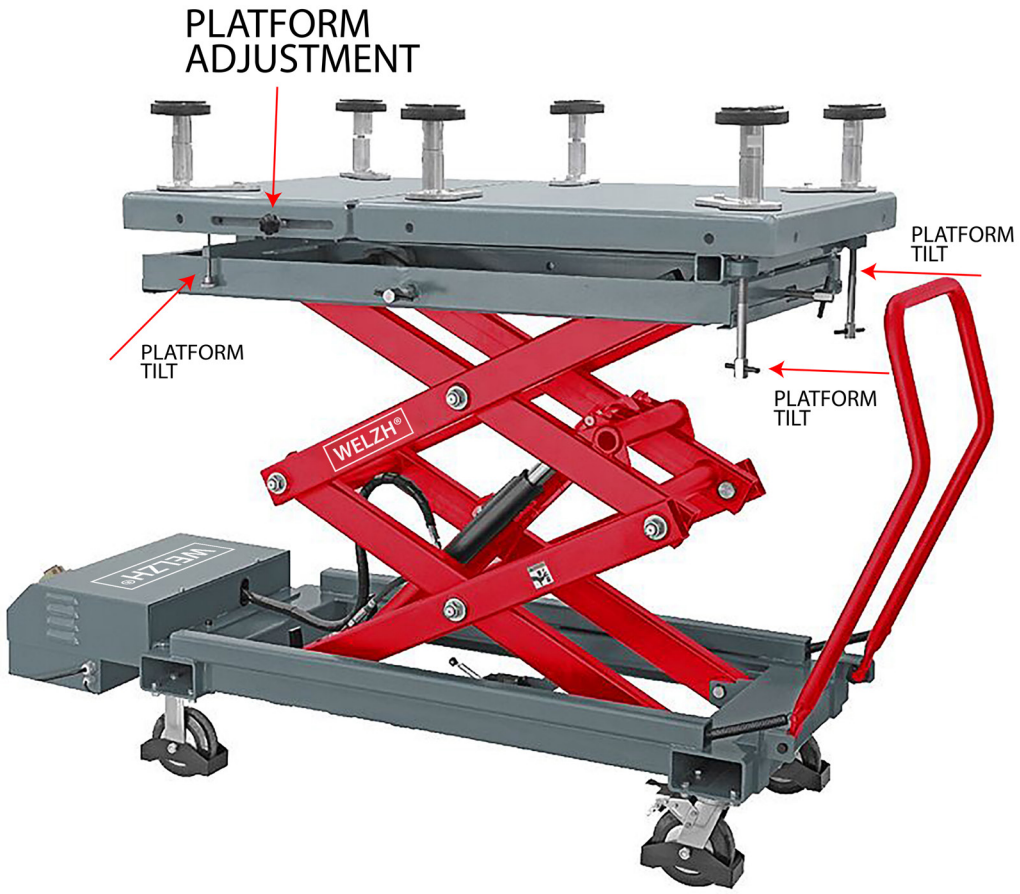
c. Slide the platform to the desired length.

d. Tighten the locking keys by turning them clockwise to secure the platform in place.

3.5 Platform Tilt Adjustment

a. Locate the adjustment keys on the platform.

b. To tilt the platform, turn the keys clockwise or counterclockwise until the desired angle is achieved.



Step 4: Removing the Battery

4.1 Disconnect and remove any electrical connections or mounting bolts securing the battery.

4.2 Carefully lift the battery and place it on the platform.

Step 5: Lowering the Platform and Moving the Battery

5.1 Press the “DOWN” button to lower the platform to its lowest position. The buzzer will sound during this process.

5.2 Release the wheel brakes by lifting the brake pedals.

5.3 Carefully move the lifting table with the battery to the desired location.

Step 6: Installing the Battery

6.1 Position the lifting table with the battery under the vehicle, aligning it with the mounting location.

6.2 Engage the wheel brakes by pressing the brake pedals.

6.3 Press the “UP” button to raise the platform to the appropriate height for installation.

6.4 Follow the manufacturer’s instructions to properly install and secure the battery.

Emergency Stop:

- In case of an emergency, press the red “Emergency Stop” button on the control panel to immediately halt the platform’s movement.
- To release the emergency stop, turn the button clockwise until it pops back out.

Safety Reminders:

- Always follow safety guidelines and wear appropriate personal protective equipment (PPE).
- Never exceed the rated load capacity of the lifting table.
- Ensure the lifting table is used on a firm and level surface.
- Keep the work area clear and free from obstructions.

Troubleshooting

If you encounter any issues while operating the EV Battery Lifting Table, please refer to this troubleshooting guide for possible causes and recommended solutions. If the problem persists after attempting these solutions, contact the manufacturer or a qualified technician for further assistance.

1. Lifting Table Does Not Raise or Lower
   Possible Causes:
Power supply is not connected or is faulty
Damaged or loose electrical connections
Low hydraulic fluid level
Faulty push-button control
Overload protection system is engaged

   Solutions:
Check the power supply and ensure that the cord is properly plugged in and the outlet is functioning.
Inspect electrical connections for damage or looseness and repair or replace as necessary.
Check the hydraulic fluid level and top up if needed, following the manufacturer's guidelines.
Test the push-button control and replace it if faulty.
Ensure that the load on the platform does not exceed the rated capacity of the lifting table.

2. Lifting Table Raises or Lowers Slowly
   Possible Causes:
Low hydraulic fluid level
Clogged hydraulic system
Damaged or worn hydraulic components

   Solutions:
Check the hydraulic fluid level and top up if needed, following the manufacturer's guidelines.
Inspect the hydraulic system for any signs of contamination or debris and clean as necessary.
Check for damage or wear on hydraulic components, such as hoses, fittings, and cylinders, and replace if needed.

3. Lifting Table Lowers on Its Own
   Possible Causes:
Leaking hydraulic components
Faulty or worn check valve
Improperly adjusted or damaged lowering valve

   Solutions:
Inspect the hydraulic system for leaks and repair or replace any damaged components.
Check the condition of the check valve and replace it if faulty or worn.
Adjust or replace the lowering valve as needed, following the manufacturer's instructions.

Storage Guidelines

To ensure the longevity and optimal performance of your EV Battery Lifting Table, it is essential to follow proper storage guidelines when the equipment is not in use. Please adhere to these recommendations for safe and effective storage:

1. Clean the Lifting Table:
Before storing the lifting table, thoroughly clean the platform, scissor mechanism, and base frame.
Remove any dirt, debris, or grease that may have accumulated during use.
Use a mild detergent and water solution to clean the surfaces, and dry them completely with a clean cloth.

2. Lubrication:
Prior to storage, lubricate all moving parts, such as the scissor mechanism, bearings, and rollers, according to the manufacturer's recommendations.
Use the specified lubricant type and amount to prevent rust and ensure smooth operation when the lifting table is put back into service.

3. Lower the Platform:
Always store the EV Battery Lifting Table with the platform in its lowest position.
This practice reduces stress on the hydraulic system and prevents any potential leaks or damage to the components.

4. Disconnect Power Supply:
Unplug the power cord from the electrical outlet and safely store it with the lifting table.
If possible, coil the power cord and secure it with a cable tie to prevent tangles or damage during storage.

5. Storage Location:
Store the lifting table in a clean, dry, and well-ventilated area, protected from direct sunlight, moisture, and extreme temperatures.
Avoid storing the equipment in areas with high humidity, as this can lead to rust and corrosion of metal components.
Ensure that the storage location is free from chemical vapors, dust, or other contaminants that could harm the lifting table's components.

6. Covering:
If the lifting table will be stored for an extended period, consider covering it with a breathable protective cover.
This will help keep dust and debris off the equipment and provide an additional layer of protection against environmental factors.

7. Periodic Inspection:
Even when in storage, periodically inspect the lifting table for any signs of damage, corrosion, or leaks.
Address any issues promptly to prevent further deterioration and ensure the equipment is ready for use when needed.

EU DECLARATION OF CONFORMITY

Certificate Number:	CA-MC-230131-001-02-2A
Equipment under test (EUT)	
EUT Name:	EV Battery Lifting Table
Model number:	5519-WW
Receipt Date:	2028-03-20
Test Date:	2028-03-20
Issue Date:	2023-03-21
Expire Date:	2028-03-20
Standards:	EN ISO 12100:2010
	EN ISO 3691-5:2015
Conclusions:	PASS

In the configuration tested, the EUT complied with the standards specified above. The EUT technically complies with the 2014/30/EU directive requirements

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

WELZH WERKZEUG LTD.
Let's Innovate!

Gretna, United Kingdom
DG16 5HD

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Warranty

Limited 12 month warranty from date of purchase. If you are unsure on how to use the item please contact us. If it were to fail due to a manufacturing fault or poor workmanship we will repair or replace it. Please contact your local dealer in the event you need to send the item back. You can also make a repair/replacement request on our website and download & complete the form online. Normal wear and tear along with misuse will void any warranty. Consumables are not covered under warranty.

www.welzh.com

Welzh Werkzeug Ltd
Loanwath Road
Gretna, Scotland
DG16 5HD
United Kingdom
+44 (0)1461 700120