



1200KG CAPACITY ELECTRIC VEHICLE (EV) BATTERY HYDRAULIC HIGH LIFTING TABLE

MODEL NO: **EVBT1200**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to
instructions



Wear safety
footwear



DO NOT enter
under if not
mechanically
locked



DO NOT put
hands or feet
under platform



DO NOT ride
on platform



Wear
protective
gloves



No reaching in
Keep hands
clear

1. SAFETY

1.1. ELECTRICAL SAFETY

- ☐ **WARNING!** It is the user's responsibility to check the following:
- ✓ Check all electrical equipment and appliances to ensure that they are safe before using.
- ✓ Inspect power supply leads, plugs and all electrical connections for wear and damage.
- ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- ✗ **DO NOT** use worn or damaged cables, plugs or connectors.
- ✓ Ensure that any faulty item is repaired or replaced immediately by a Sealey qualified technician.
- ✓ If the cable or plug is damaged during use, switch off the electricity supply and remove from use.
- ✓ Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.

IMPORTANT: Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse.

- ✗ **DO NOT** pull or carry the appliance by the power cable.
- ✗ **DO NOT** pull the plug from the socket by the cable.
- ☐ **WARNING!** Any modifications to the machine must not be performed without prior written approval from the manufacturer. Unauthorized modifications may compromise safety, void warranties, and violate compliance with applicable standards.

1.2. GENERAL SAFETY

- ☐ **WARNING!** Ensure all Health and Safety, local authority, and general workshop practice regulations and recommendations are strictly adhered to when lifting or moving heavy loads. The lifting or movement of heavy loads may be dangerous if not undertaken correctly. Trained users only.
- ✓ Familiarise yourself with the application and limitations, as well as the specific potential hazards peculiar to the lift.
- ✓ Maintain the lift in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Use a qualified person to lubricate/maintain the lift. **DO NOT** use brake fluid to top up hydraulic unit. Use Sealey hydraulic oil only.
- ✓ To ensure optimal and safe performance, always keep the lift clean and well-maintained. Use the lift only on flat, level, solid ground, preferably concrete, as using it on Tarmac when fully laden may cause the wheels to sink.
- ☐ **WARNING!** Position the lift in a suitable working area, keeping the space clean, tidy, and free from unrelated materials. Before transporting a load, always lower it fully and conduct a risk assessment of the intended route. Make sure the floor is swept clean and free from obstacles to allow safe movement.
- ✓ Keep the work area clean, uncluttered and ensure there is necessary adequate lighting.
- ✓ Keep children and non essential persons away from the loading/unloading and transporting area.
- ✓ Keep hands and body clear of the edge and underside of the platform when operating the lift.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✗ **DO NOT** enter under the platform unless it is mechanically locked.
- ☐ **WARNING!** Ensure load is placed level and centrally on lift platform and if necessary strap load in place before attempting to lift, lower, or transport. When raised, check that the platform/load will not foul on the handle and/or your hand when lowering the load.
- ☐ **WARNING!** Use the lift with diligence. **DO NOT** allow lift to knock into anything. Even when unladen, the lift is heavy and if misused, could cause serious damage and/or personal injury. Continually monitor transportation, lifting and lowering operations.
- ✓ Take care to ensure you can view the way ahead when moving the lift. Take special care when approaching blind corners.
- ✓ Before lifting check that there are no overhead obstructions.
- ✗ **DO NOT** use in strong winds.
- ✓ Only use in an area with adequate lighting.
- ✓ Engage the wheel locks before attempting to raise or lower the platform.
- ▲ **DANGER!** If a heavy load tips or leans, STOP WHAT YOU ARE DOING. Move quickly to a safe distance. **DO NOT** try to hold or steady a heavy load. Failure to follow this instruction may cause serious personal injury or death.
- ✓ Ensure the lift is fully lowered before attempting to transport a load.
- ✓ Before lowering the platform, ensure there are no obstructions underneath the platform and that all persons are standing clear of the lift. Watch the lift during operation.



Indoor use only



DO NOT use
on uneven or
inclined floors



Pinch point

- ✓ The lowering speed operates at a fixed rate regardless of the load weight and can be stopped at any time by releasing the Down arrow on the controller.
- ❑ **WARNING! DO NOT** exceed the rated capacity of the lift.
- ✓ Ensure loads are evenly placed on the lift platform.
- ✗ **DO NOT** use the lift if a part is missing or damaged.
- ✗ **DO NOT** ride on the lift or allow any person to be transported on the lift.
- ✗ **DO NOT** use the lift for any purpose other than lifting, lowering and transporting loads.
- ✗ **DO NOT** allow lift to free wheel in transit. Always propel and control the lift by using the handle.
- ✗ **DO NOT** use the lift on sloping surfaces.
- ✗ **DO NOT** operate the lift when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** allow children to operate the lift.
- ✗ **DO NOT** adjust or tamper with the hydraulic safety valve.
- ✗ **DO NOT** place any part of your body within or under the lift platform whilst raising and when lowering.
- ✓ When not in use, fully lower the platform and store in a safe, dry, childproof area.
- ✓ Firefighting: Refer to MSDS.
- 1.3. FREQUENCY AND METHODS OF SAFETY SYSTEM CHECKS**
All safety checks must be performed by trained personnel. Any faults or abnormalities must be reported and corrected before operating the equipment.
 - 1. Daily Checks (Before Each Use):**
 - Visual inspection of emergency stop button, safety interlocks, and guard systems.
 - Function test of emergency stop.
 - Check for loose connections, damaged cables, or visible wear.
 - 2. Weekly Checks:**
 - Inspect all safety devices for signs of tampering or malfunction.
 - 3. Monthly Checks:**
 - Perform a full operational check of the safety system under simulated conditions.
 - Test the fail-safe features to ensure the system behaves as expected in the event of a fault.
 - 4. Annual Inspection (by Qualified Personnel):**
 - Comprehensive inspection and testing of all electrical and mechanical safety.
- 1.4. CONDITION OF THE MACHINE**
To ensure safe and efficient operation, the machine must be maintained in good working condition at all times. Regular inspection should confirm the following:
 - 1.4.1. STRUCTURAL INTEGRITY:**
 - ✓ No signs of cracks, corrosion, or deformation on the frame, lifting arms, or platform.
 - 1.4.2. HYDRAULIC SYSTEM:**
 - ✓ No leaks from hoses, cylinders, or fittings. Fluid levels should be within specified limits.
 - 1.4.3. WHEELS AND CASTORS:**
 - ✓ Free from damage, excessive wear, or obstruction. Castors should rotate and lock as intended.
 - 1.4.4. ELECTRICAL COMPONENTS:**
 - ✓ Wiring, connectors, and control panels must be intact, with no exposed or frayed wires.
 - 1.5. SAFETY DEVICES:**
 - ✓ All safety interlocks, emergency stop buttons, guards, and limit switches must be fully functional.
 - 1.6. SURFACE CONDITION:**
 - ✓ Platform and surfaces should be clean, free from oil, debris, or damage that could impact stability or operation.
 - 1.7. INFORMATION FOR EMERGENCY SITUATIONS**
 - ❑ **WARNING!** In the event of an accident or breakdown, immediately stop the machine, activate the emergency stop, and follow the site's emergency procedures while notifying a qualified technician.
 - 1.8. SOURCES OF DANGER**
 - **Pinch Points:** Risk of injury from moving parts such as scissor arms and tilt mechanisms.
 - **Crushing Hazards:** Under raised platform or during lifting/lowering operations.
 - **Electrical Hazards:** Improper handling of the power supply or damaged cables.
 - **Instability:** Overloading or unevenly placed loads may cause tipping or shifting.
 - **Hot Surfaces:** Certain components may become hot during extended use.
 - **Unauthorized Modifications:** May compromise safety and machine functionality.

2. INTRODUCTION

Heavy-duty construction, solid steel framework. High lift version, 1780mm maximum platform height. Powerful electric motor, for smooth controlled ascent and descent. Hand control with a safety stop feature. Multiple adjustments can be made to the table and saddles, for the removal and installation of most EV vehicle batteries. Fitted with four composite wheels. Two fixed and two locking castors for easy rolling over rough workshop floors. Designed to assist with EV battery maintenance on electric vehicles. Can also be used for assisting with many other day-to-day workshop tasks such as removing/installing engines, transmissions, fuel tanks, subframes and can be used as a mobile service bench. This item is heavy. Extra assistance must be provided at the delivery point to help its safe delivery.

3. SPECIFICATION

| | |
|----------------------------|---|
| Model No: | EVBT1200 |
| Capacity: | 1200kg |
| Declaration of Conformity: | 2006/42/EC EN ISO 12100:2010 EN ISO 3691-5:2015/A1:2020 |
| Rated Voltage: | 230V 1P ~ 50Hz |
| Fuse Rating: | 13A |
| Platform Height (Min/Max): | 650mm - 1780mm |

| | |
|--------------------|---------------|
| Full-Load Current: | 8A |
| Cable Length: | 5m |
| Nett Weight: | 460kg |
| Motor Power: | 750W |
| Platform (L*W): | 1340mm *650mm |
| Plug Type: | 3-Pin BS |
| Wheel Bore Size: | Ø12mm |
| Wheel Size: | Ø150mm |

| EVBT1200 | |
|----------|----------------------|
| 1 | Supporting Pads. |
| 2 | Tabletop Locks. |
| 3 | Tabletop |
| 4 | Handles. |
| 5 | Stability Screw. |
| 6 | Drive Screw. |
| 7 | Hydraulic Cylinders. |
| 8 | Main Handle. |
| 9 | Castor Wheels. |
| 10 | Control Panel. |
| 11 | Main Isolator Panel. |

EVBT1200



4. FEATURES

A. The control panel is used to lift and lower the table top and includes an Emergency Stop function.

B. Tabletop Locks (x8):

Twist to adjust, then fold the elbow down to lock securely.

C. Handle:

Used to safely manoeuvre and position the table.

D. The levelling bubble ensures the tabletop is level before operation.

E. Display indicator lights (green and red/beeps and flashes) show the machine's operational status.

F. Main Isolator On/Off Switch:

Used to disconnect or restore power to the machine for maintenance or emergency purposes.

G. Lockable Castor Wheel (x2):

Allows the machine to be moved easily and locked securely in place during operation.

H. Drive screw:

Used to tilt the table. Fully screw the drive screw in and out to ensure the table's tilt function operates correctly.

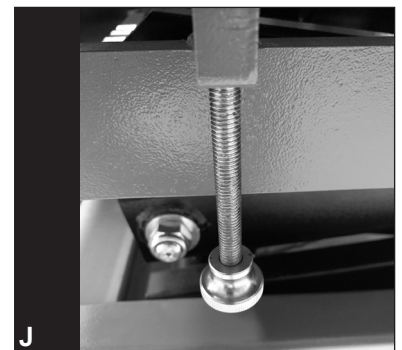
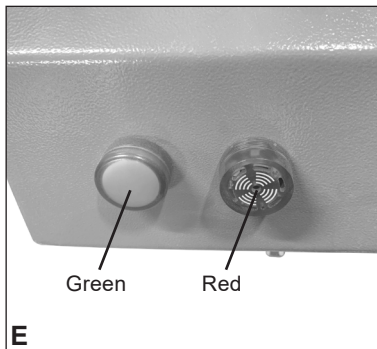
I. Supporting Pads:

Located on top of the table, these pads help stabilize and protect the load during lifting and positioning.

Their positions are adjustable to accommodate different load sizes and shapes.

J. Stability Screw Adjustment:

Screw the stability screw into the threaded hole approximately five turns. When this function is not in use, ensure the screw is not extended out of the square tube.



5. ASSEMBLY

5.1. TRANSPORT (DELIVERY): Very heavy item. Ensure fork lift or appropriate lifting equipment is available at delivery point.

5.2. UNPACKING: Remove all packaging materials and take out the blocks used to secure the wheels during transport.

NOTE: The trolley comes fully assembled except for the main handle.

5.3. MAIN HANDLE: Attach the main handle to the frame using the supplied hardware, ensuring it is securely fastened before use.

5.4. FUNCTION CHECK

Hydraulic System and Shear Rod Mechanism Test (No Load):

Before initial use, cycle the hydraulic system and shear rod mechanism several times without any load to ensure proper operation.

1. Press the Up button to raise the platform to its highest position.

2. Press the Down button to lower the platform to its lowest position.

Repeat this process a few times to confirm smooth and complete movement.

6. OPERATION

Consult manufacturer's data before attempting any operation.

- ☐ **WARNING!** Ensure you read, understand and follow the safety instructions. Ensure all Health and Safety, local authority, and general workshop practice regulations and recommendations are strictly adhered to when lifting or moving heavy loads. The lifting or movement of heavy loads may be dangerous if not undertaken correctly.
- ☐ **WARNING!** Before each use, inspect the unit: for damage, leaks or any indication that components are NOT working as they should, that the warning markings are in place and are legible. Risk assess any operation before applying a load. Consider working area and the path the load will make. Test the operation of the lift before applying a load.
- ☐ **WARNING! NOTE:** WITH OR WITHOUT A LOAD, ALWAYS TRANSPORT THE LIFT WITH PLATFORM IN ITS LOWEST POSITION.

6.1. POSITION OF CENTRE OF GRAVITY:

The load's centre of gravity should be positioned centrally on the platform to ensure balance and safe lifting. Uneven distribution may affect stability and lead to unsafe operation.

6.2. FINE ADJUSTMENT TILTING FEATURE

The forcing screws shown in Figure H on previous page allow the user to finely tilt the platform to assist with removing or installing vehicle components. This feature helps compensate for uneven shop floors, difficult fastener locations, and similar challenges. The forcing screws can be operated by hand, wrench, or socket, depending on the applied load.

CAUTION: To prevent equipment damage, **DO NOT** tilt the platform unless the levelling screws are in their lowest position, as the platform may be driven into the screws.

6.3. STABILIZATION FEATURE

If the lift is being used as a stationary work surface for servicing components, two leveller screws shown in Figure J on previous page are provided to help stabilize the platform.

Once the desired tilt or platform position is set, thread both leveller screws inward until they make contact with the underside of the platform. Tighten them finger-tight only to create two additional points of contact, enhancing platform stability during use.

6.4. RAISING THE PLATFORM

NOTE: Ensure that all obstructions are removed and there is sufficient space for manoeuvring the platform safely.

6.4.1. When preparing to lift the platform, ensure that the castor wheels are locked in place.

6.4.2. Position the lifting table under the vehicle and connect electrical power to the power socket.

Then, turn the main isolator switch (F) to the ON position. The green indicator light will illuminate, confirming power is supplied to the unit.

6.4.3. Press the UP button (A) to raise the lifting table until it is close to the load. Release the button to stop the operation at any time. **NOTE:** The locking mechanism will engage automatically at set height increments and will release when lowering the platform. See Fig. 1

6.4.4. LOWERING THE PLATFORM

6.4.5. Press the Down arrow on the control panel to lower the platform. The red indicator light will flash, and an audible beep will sound during descent. Release the button to stop the operation at any time.

6.5. EMERGENCY STOP (E-Stop)

6.5.1. The E-Stop on the control panel immediately shuts down all machine operations when pressed, ensuring user safety in the event of an emergency or malfunction. It must be reset before the machine can be used again.

IMPORTANT: Use the E-Stop only in emergency situations.

6.6. RESTART PROCEDURE AFTER AN UNEXPECTED STOP

1. Identify the Cause:

Inspect the machine for any visible issues (e.g. obstruction, overload, electrical fault, or triggered safety device).

2. Check the Emergency Stop (E-Stop):

If the E-Stop was pressed, turn or pull it to reset, depending on the type of switch.

3. Inspect Indicator Lights:

Observe the control panel for warning lights or error signals that may indicate the issue.

4. Ensure Safe Conditions:

- Remove any obstructions.
- Confirm that the load is secure.
- Verify that there is no risk to personnel.

5. Power Reset:

If necessary, switch the main isolator to OFF, wait 10 seconds, and turn it back to ON.

6. Reconfirm Controls:

Ensure all control switches (e.g. Up/Down buttons) are in their neutral position.

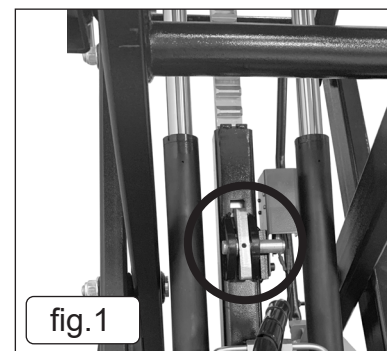
7. Resume Operation:

Once the issue is resolved and the system is reset, resume operation as normal by pressing the appropriate control button.

IMPORTANT: If the issue persists, **DO NOT** attempt further restarts. Contact Sealey Service Centre.

6.7. SAFE HANDLING OF LOADS

- Ensure the load is within the rated capacity of the equipment.
- Position the centre of gravity centrally on the platform for balanced lifting.
- Secure the load properly to prevent shifting or movement during operation.
- Avoid sudden movements or impacts while handling the load.
- Always use appropriate personal protective equipment (PPE) when loading or unloading.



7. MAINTENANCE

IMPORTANT: Only fully qualified personnel should attempt maintenance or repair of the lift and its hydraulic system.

❑ **WARNING!** The markings and safety labels **MUST** remain in place and legible.

7.1. SERVICING OPERATIONS FOR WHICH NO SPECIFIC SKILLS ARE REQUIRED

The following basic maintenance tasks may be performed by operators without specialized training, provided they follow all safety instructions:

- Visual inspections for damage, leaks, or wear on cables, wheels, and platform components.
- Cleaning the platform and control panel using a dry or slightly damp cloth.
- Checking and tightening visible fasteners (e.g., bolts, screws) as needed.
- Lubricating accessible moving parts as indicated in the maintenance schedule. Apply grease to the nipples on the ram.
- Inspecting indicator lights and control functions for proper operation.
- Verifying wheel locks and levelling screws for smooth operation.

7.2. PREVENTATIVE MAINTENANCE MEASURES TO BE OBSERVED

Preventative maintenance involves regularly inspecting, cleaning, and checking the machine to ensure all components and safety systems are functioning correctly.

7.3. CHANGING WHEELS

To change a wheel, disconnect the power, safely lift the machine if necessary, remove the old wheel by loosening the bolts, fit and securely tighten the new wheel, then lower the machine and inspect for proper operation.

7.4. MAINTENANCE AND REPAIR OF THE HOSES

Maintenance and repair of the hoses should only be carried out by the Sealey Service Centre or authorised qualified personnel to ensure safety and compliance with manufacturer standards.

7.5. PERFORMING MAINTENANCE ON THE MACHINE AND IT'S FITTINGS

Maintenance should be carried out only by the Sealey Service Centre.

7.6. ELECTRICAL-HYDRAULIC PUMP (fig.2)

- ✱ **DO NOT** exceed the hydraulic pressure rating indicated on the pump data plate, and **DO NOT** tamper with the internal high-pressure relief valve. Exceeding the rated pressure may result in serious personal injury.

Before refilling the hydraulic fluid, ensure all cylinders are fully retracted to prevent overfilling the reservoir. Overfilling can cause excessive internal pressure, leading to fluid discharge and potential injury when the system is operated.

7.7. ACCESSING THE PRODUCT FOR MAINTENANCE WHILE WORKING AT HEIGHT

When accessing the product for maintenance while working at height, always use appropriate fall protection equipment and ensure that a stable, secure platform or access system is in place. Maintenance personnel must be trained and competent in working at height procedures. The area around the equipment should be cordoned off to prevent unauthorized access, and tools or components must be secured to prevent falling. Never attempt maintenance at height during adverse weather conditions or without proper risk assessment and supervision.

7.8. SPACE REQUIRED FOR THE REMOVAL OR SERVICING

For the safe removal or servicing of a 1200 kg electric vehicle battery using a hydraulic high-lifting table, a minimum clear floor area of approximately 4.0 meters by 3.2 meters (12.8 m²) is recommended, with at least 3.0 meters of overhead clearance. This space allows for the lifting table footprint, operator access, and tool maneuverability. Side and front/back clearances of at least 1.0 meter each are necessary to ensure safe handling, proper alignment, and room for technicians to work efficiently around the battery and lifting equipment.

7.9. SPARE PARTS

Always use genuine manufacturer-approved spare parts when performing maintenance or repairs. The use of non-approved components may compromise the safety, performance, and warranty of the equipment. Refer to the spare parts diagrams for correct identification and ordering.

7.10. TRANSPORT, HANDLING AND STORAGE

The machine must be transported, handled, and stored on a level surface using appropriate lifting equipment, ensuring it is secured to prevent movement or damage.

7.11. FOR PROLONGED SHUTDOWN AND STORAGE

For prolonged shutdown and storage, thoroughly clean and inspect the truck, secure fluids, store it in a dry, covered area with wheels chocked and brakes engaged, and perform periodic checks during storage.

7.12. ENVIRONMENTAL LIMITATIONS

The machine must be operated and stored in dry, well-ventilated areas, away from extreme temperatures, moisture, corrosive substances, and explosive atmospheres.

7.13. PROPER DISASSEMBLY AND HANDLING:

Disassemble the machine carefully following the manufacturer's instructions, handle all components with care to avoid damage, and store or dispose of parts according to safety and environmental guidelines.

7.14. END OF LIFE

At the end of its service life, this equipment must be disposed of in accordance with local regulations and environmental guidelines. Components should be separated and recycled where possible. Hazardous materials, such as hydraulic fluids or lubricants, must be handled and disposed of responsibly. Contact your local waste management authority or recycling center for guidance on proper disposal procedures.

7.15. HYDRAULIC CIRCUIT DIAGRAM

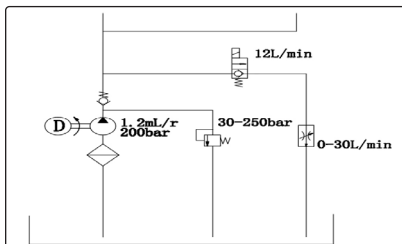


fig.2



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



REGISTER YOUR PURCHASE HERE

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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