

LASER[®]

Part No. 8339

EV Battery Adjustable Mobile Bench

SWL 800kg

Instructions



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Introduction

Adjustable mobile bench, specifically designed to aid the removal of under slung EV batteries (max. SWL: 800kg) from the vehicle and move them around the workshop for safe storage and/or repair.

- Mobile bench with individual height adjustable heavy-duty castors, allows for height/tilt adjustment (70mm max.) to ensure batteries remain level & in alignment with the vehicle when either removing or installing.
- 6" x 2" (150 x 50mm) rubber wheels with safety locks (400kg capacity per wheel), fitted to height adjustable legs, with threaded adjustment and thrust bearing. Use with 13mm Hex ratchet, spanner or socket.
- Dimensions: 1500 x 1020 x 780mm (with wheels raised). Tested to 25% overload capacity.
- Steel top plate (2mm thick), supplied with 6x wooden support beams to avoid damage to the underside of battery casing.
- Specifically designed for the removal & installation of EV batteries when used in conjunction with a standard 2-post vehicle lift. Ideal for use in conjunction with Laser EV Battery Lifting Frame, Part No. 8338.

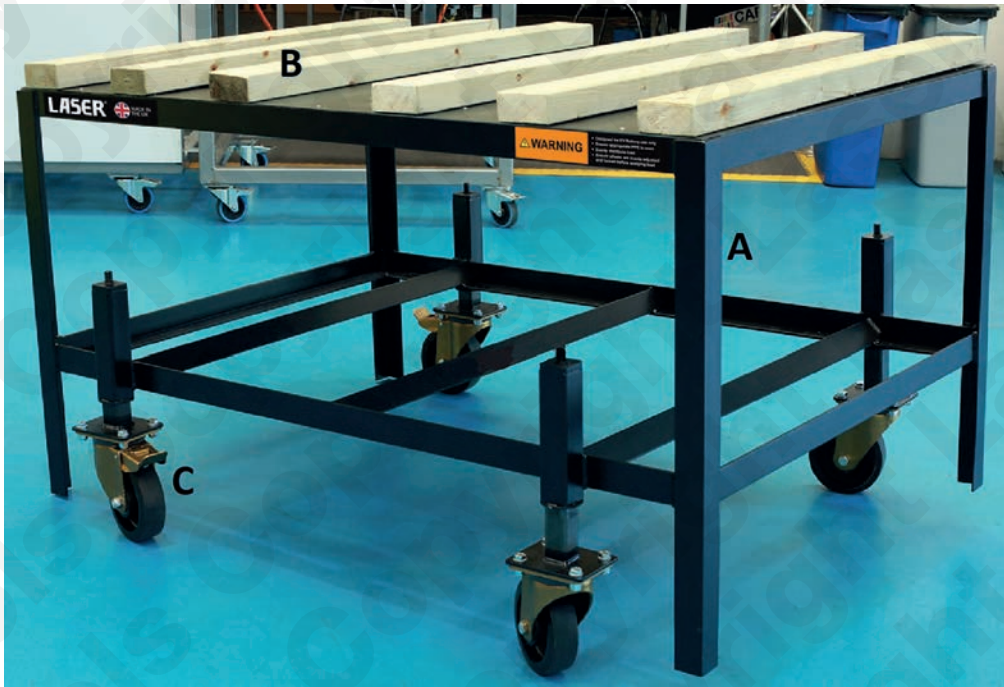
Warnings & Precautions

- Always follow the vehicle manufacturers' instructions when working with high voltage EV batteries.
- Always wear appropriate PPE when working with EV high voltage systems.
- Always ensure all wheels are adjusted to ensure even load distribution.
- SWL (safe working limit) 800kg.
- SWL (safe working limit) assumes an even weight distribution without significant point loading.
- The working load includes the weight of any loads stored under the bench.
- Always secure the caster wheel brakes when working on the bench.

NEVER:

- **NEVER** exceed the maximum safe working load of the bench.

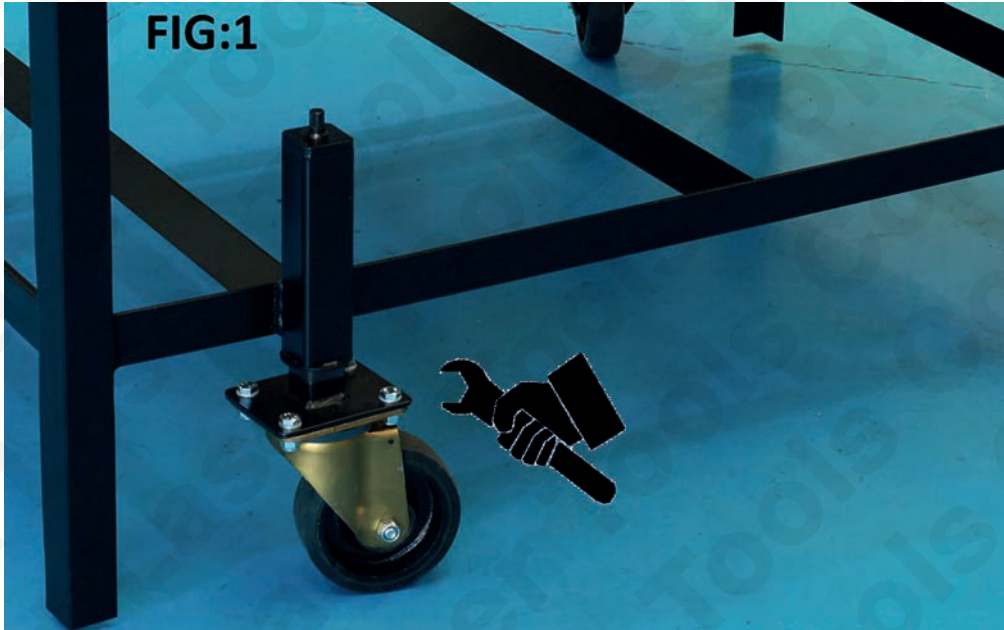
Components



| Ref. | Description | Quantity | Description |
|------|--------------------------|----------|-----------------------------------|
| A | Fully Welded Steel Bench | 1 | 1500L x 1020W x 780H |
| B | Wooden Beam | 6 | (1020L x 150W x 50H) C24 Grade |
| C | Casters | 4 | (400kg per Caster) |

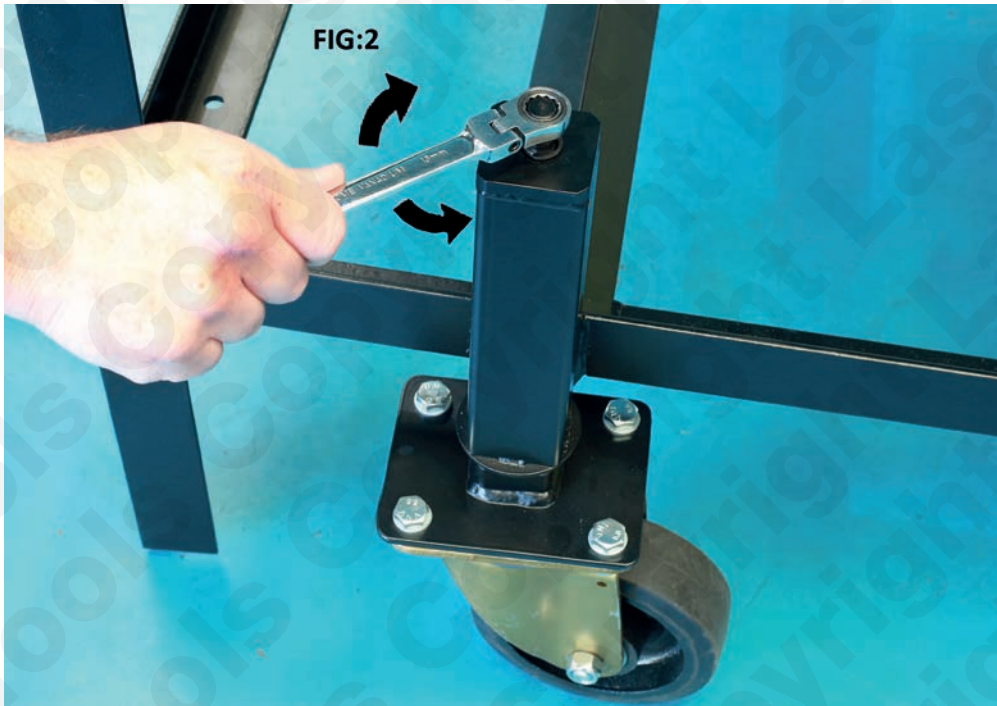
Instructions

- Fit the caster wheels as shown and tighten the 4 fixing bolts. See figure 1.
- Ensure the casters can rotate fully around their steering axis without fouling the bolts. Check brake operation.



Instructions

- Adjust the caster height so the bench legs are just clear of the floor by turning the adjuster screws on the top of the wheel mounting points. Double check all wheels are in contact with the ground to ensure an even loads distribution. See figure 2.



Instructions

- Prepare the vehicle for battery removal in accordance with the manufacturer's instructions.
- Raise the vehicle on a 2 post ramp and place the 8339 bench under the vehicle battery.
- Position the 6 wooden beams to best support the battery without damage to any rivet or bolt heads that protrude from the battery.
- Adjust the bench angle to match the angle of the battery base – **Ensure all casters remain in contact with the floor.**
- Lower the vehicle on the ramp so the battery is in contact with the bench and remove the last fixing bolts.
- Raise the vehicle.

The battery can now be wheeled away for repair or replacement.

- If the battery is to remain on the bench for any length of time it is best practice to raise the wheels so the bench legs sit on the ground to ensure stability.

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It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



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When you have finished with
this toolset please recycle it

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