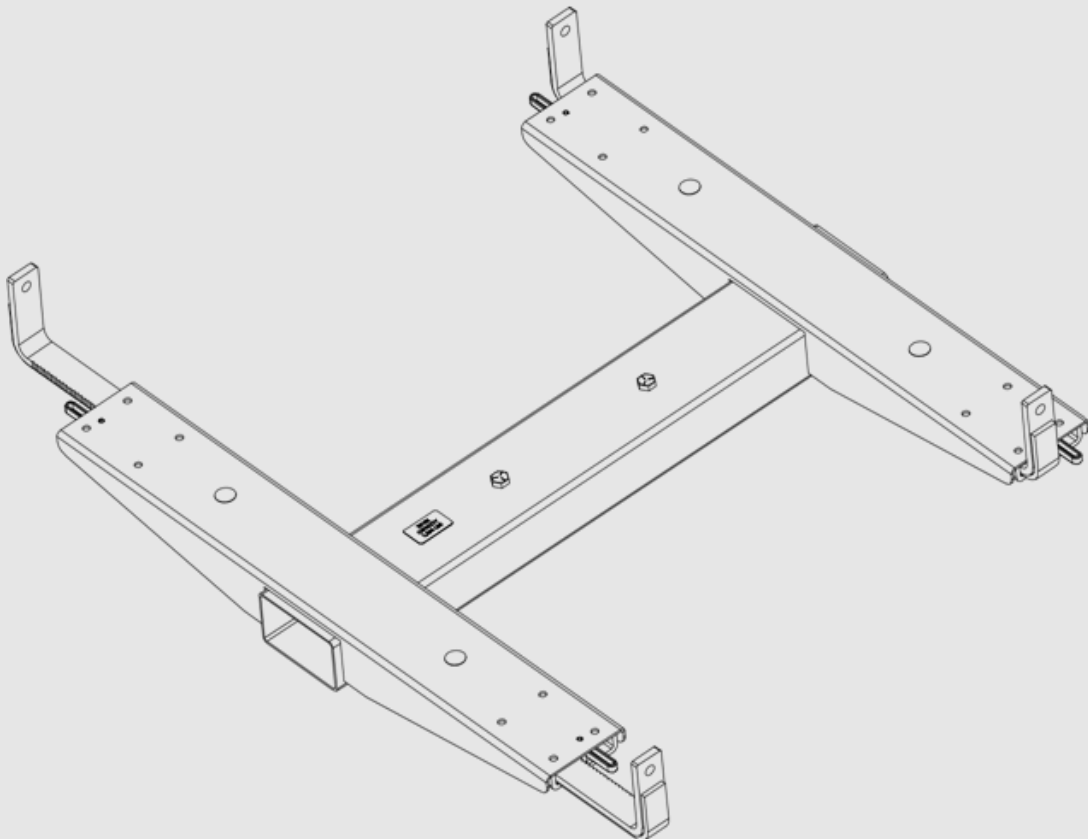


## MAHLE CAD-EVB

EN

Operation Manual  
Electric Vehicle Battery  
Pack Adapter





**EVERY PERSON WHO OPERATES THIS  
EQUIPMENT NEEDS TO KNOW AND  
UNDERSTAND ALL OF THE INFORMATION IN  
THIS MANUAL – FAILURE TO DO SO COULD  
RESULT IN SERIOUS INJURY OR DEATH.**

**READ THIS MANUAL  
CAREFULLY AND  
RETAIN FOR YOUR  
RECORDS**

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# 1. Safety Regulations

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## 1.1 Warnings

To avoid serious injury or death, read this manual carefully before operating this unit.

Failure to understand and obey safety instructions may result in unsafe or improper use of this product.

- ⚠ DO NOT exceed rated capacity
- ⚠ USE ONLY on a hard level surface capable of sustaining the load.
- ⚠ DO NOT use attachments or cribbing devices to increase the start height unless they are supplied by the manufacturer of this device.
- ⚠ NO alterations shall be made to this device.
- ⚠ ALWAYS ensure the adapter is fully engaged onto the hose device.
- ⚠ Always follow the operating instructions provided by the manufacturer.
- ⚠ Inspect adapter before each use. If adapter is damaged DO NOT use.
- ⚠ Use this adapter only as it is intended to be used per the operating instructions. Using adapter for means other than the intended purpose could result in injury and/or property damage.
- ⚠ Observe all instructions and safety warnings that come with the adapter.

tech.mss@us.mahle.com with any comments or questions.

## 2. Foreword

### 2.1 From the manufacturer

Thank you for your purchase. To complement the offering of A/C, fluid and nitrogen service equipment, MAHLE Service Solutions has partnered with Gray Manufacturing to provide the highest quality hydraulic and pneumatic equipment available for the professional service technician. This equipment adheres to high standards promised in the MAHLE guarantee including the assurance of innovation and reliability that comes with the Gray Manufacturing name. Please contact MAHLE Service Solutions' customer service at (800) 468-2321 or [tech.mss@us.mahle.com](mailto:tech.mss@us.mahle.com) with any comments or questions.

## 3. Symbols Use

### 3.1 Signal words

Signal words call attention to a safety message or messages, or a property damage message or messages, and designate a degree or level of hazard seriousness. Signal words used in this manual include:

Keyword	Probability of occurrence	Severity of danger if instructions not observed
<b>DANGER</b>	<b>Immediate</b> impending <b>danger</b>	<b>Death</b> or <b>severe</b> injury.
<b>WARNING</b>	<b>Possible</b> impending <b>danger</b>	<b>Death</b> or <b>severe</b> injury
<b>CAUTION</b>	Possible <b>dangerous situation</b>	<b>Minor</b> injury
<b>NOTICE</b>	Possible <b>damage to property</b>	<b>Possible property damage</b>

## 4. Responsibilities

### 4.1 Receiving inspection

Before attempting to operate this equipment, thoroughly read and understand this manual. Completely remove all tape and packaging. Inspect the equipment immediately upon delivery. If shipping damage is evident, inform the delivering carrier immediately and contact the manufacturer using the contact information on the back cover of this manual.

### 4.2 Owner and/or operator responsibilities

The owner of this equipment must read these instructions and maintain them for future reference and for instructing any other users of the equipment. The owner is responsible for keeping all warning labels and instruction manuals legible and intact. Replacement labels and literature are available from the manufacturer. The owner must never authorize or allow anyone to use this equipment until the operator has read and understood the information in this manual and on the accompanying labeling on the equipment itself.

If this equipment is being used in an occupational setting (or workplace), the employer should ensure that all personnel working with and around the equipment know of the risks associated with its use. Personnel involved in the use and operation of this equipment shall be careful, competent, trained, and qualified in the safe operation of the equipment and its proper use when servicing motor vehicles and their components. Safety information provided with this equipment should be emphasized by the employer and understood by each employee. The employer must make this manual available to all personnel using this equipment and all personnel must read and understand the contents of this manual. If the operator is not fluent in English, the manufacturer's instructions and warnings shall be read to and discussed with the operator in the operator's native language by the employer, making sure that the operator comprehends its contents and observes the proper procedures for use of this equipment.

## 5. Specifications

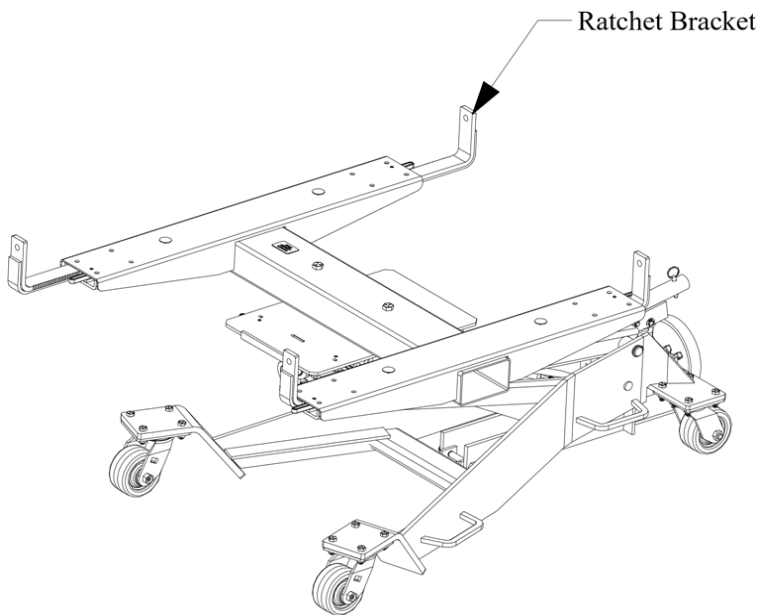
### 5.1 CAD-EVB

Model CAD-EVB	US units	Metric units
Maximum capacity	1,200 lb.	544 kg.
Overall width	33.625 in	85.4 cm
Overall length	35.75 in	90.8 cm
Overall Height	8.50 in	21.6 cm
Weight	45 lb.	20 kg.
Ratchet Bracket Collapsed Width	33.75 in	85.7 cm
Ratchet Bracket Extended Width	43.75 in	111.2 cm

## 6. Operation

### 6.1 Removing a battery pack using the adapter

1. Ensure adapter is securely fastened to the head of the transmission jack.
2. Raise adapter to bottom of battery pack, making sure the adapter carries some of the weight of the battery pack. Centering the adapter beneath the battery pack will ensure an even distribution of the weight of the battery pack. Push ratchet brackets inward to capture battery pack on the adapter.
3. Remove all electrical and cooling lines and mounting hardware on the battery packs.
4. Lower the battery pack from the vehicle.
5. To reinstall battery pack, follow these instructions in reverse order.



## 7. Notes





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