



Mounting Aid operation instructions (version 01-03)

for hypercharger HYC50 (50 kW) Fast charging system for electric vehicles

All HW versions



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Mounting Aid operation instructions (version 01-03)

Version

Version 1-2 of HYC50 Mounting Aid operation instructions (version 01-03)

Original English version
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Attention



Please note that all warranty claims will be void if you do not follow these instructions.

If changes are made to the device that are not included in the documentation from the original manufacturer alpitronic Srl or have not been authorized and released by alpitronic Srl, alpitronic Srl is no longer considered to be the manufacturer of the HYC50 Mounting Aid, but rather the person who made the changes.

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Version Overview

Version	Date	Author	Description
1-1	July 2023	M. Mur, K. Mayr	First version
1-2	July 2023	M. Hofer	Formal revision

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1. Safety instructions

This chapter contains the safety instructions that must be observed during the installation and operation of the HYC50 Mounting Aid. Improper operation by ignoring the operating instructions can lead to serious injuries or damages. These safety instructions must be read carefully before installing and operating the device.

1.1. Intended use

The HYC50 Mounting Aid acts as a hitching point for a manually operated chain hoist, which is used to lift the HYC50 EV fast charging system into position during assembly. The HYC50 EV fast charging system for electric vehicles is designed for indoor and outdoor use to perform fast charging for electric vehicles. The HYC50 Mounting Aid is sold as optional accessory for the HYC50 EV fast charging system and is designed to be exclusively used for the installation of HYC50 EV fast charging systems.

The Mounting Aid is a frame in which a manual chain hoist is hooked. The chain hoist itself is CE marked by the manufacturer. The frame is not a load handling attachment, since it is not located between the hoist and the load. Nor is it an integral part of the hoist. In this respect it is merely a frame which does not fall within the scope of the Machinery Directive (or any other harmonization legislation requiring a CE marking) and therefore may not bear a CE marking.

In the interests of product safety, the requirements of the Machinery Directive and the relevant standards for cranes were nevertheless taken into account in the design and the relevant standards for cranes and hoists and their supporting structures.

1.2. User

These operating and installation instructions are intended for people who are responsible for the installation, operation, maintenance and servicing of the HYC50 electric vehicle fast charging system. These individuals should have at least a basic knowledge of high power electrical systems and electric vehicles. Before carrying out any work, these instructions must be read carefully by both the operator and the responsible technical personnel.

1.3. Safety instructions

These warnings and instructions apply to all activities related to the installation of the HYC50 with help of the HYC50 Mounting Aid.

Warning



Failure to follow these instructions could result in death, serious injury, or serious property damage.



Installation of the HYC50 EV fast charging system must be performed by qualified personnel only.



At installation of the HYC50 EV fast charging system with the HYC50 Mounting Aid, also the operation instructions of the HYC50 EV fast charging system have to be followed.

Failure to follow the HYC50 EV fast charging system operation instructions could result in death, serious injury, or serious property damage.

Incorrect operation of the hand chain hoist

Load fall due to improper operation of the hand chain hoist.

The operating instructions of the hand chain hoist must be observed!



In particular, the following instructions must be observed:

- do not step under the suspended load
- do not try to lift with a twisted, jammed or otherwise blocked chain or load
- follow the manufacturer's maintenance instructions

Reading this manual is not a substitute for fully reading and following the manual of the hand chain hoist



Lifting of external loads

Serious injury due to load fall when attempting to lift a load other than the HYC50 EV fast charging system

- The HYC50 Mounting Aid is intended exclusively for lifting the HYC50.
 - Other loads must not be lifted with the HYC50 Mounting Aid.
-



Heavy weights

Please consider that the HYC50 EV fast charging system is very heavy.



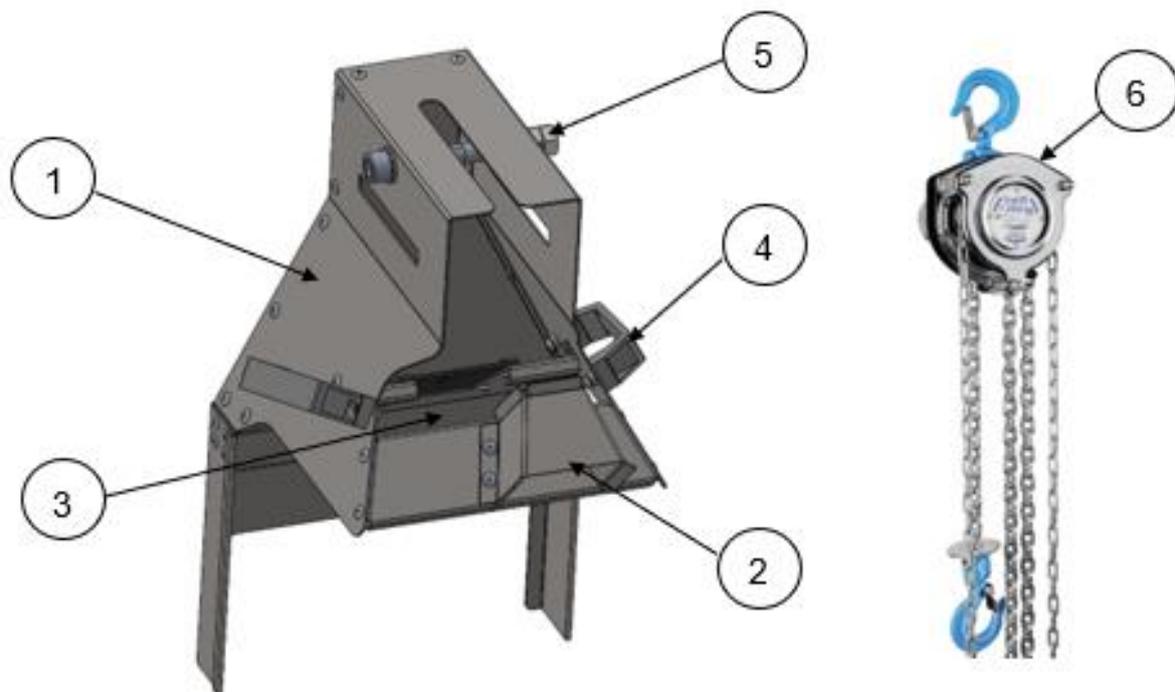
Crushing

When mounting the HYC50 EV fast charging system, please ensure that no persons or body parts are crushed.

2. Structure

Model designation:	HYC50 Mounting Aid
Version:	01-03
Overall dimension (H x W x L):	541 x 323 x 335 mm
Gross weight:	10,5 kg
Max. Load:	120 kg

Table 1: Technical data



- | |
|--|
| <ol style="list-style-type: none"> 1. Sheet metal housing 2. Chain guide 3. Chain deposit 4. Hand grips 5. M16 bolt with M16 nuts 6. Tralift 0,25t – chain hoist (accessory) |
|--|

Figure 1: Mounting Aid components

3. Assembly

The HYC50 Mounting Aid is supplied with a chain hoist of type Tractel tralift 0,25 t. Before using the HYC50 Mounting Aid, the chain hoist must be mounted. The HYC50 Mounting Aid must always be used with a suitable chain hoist with a load capacity over 120 kg.

The assembly must be carried out as follows:

- Unpack both parts.
- Place the sheet metal housing on the floor and remove the M16 nuts and the M16 bolt (5).
- Place the chain hoist (6) in the sheet metal housing with the following orientation and insert the M16 bolt (5) through the crane hook of the chain hoist and fix it properly with the two M16 nuts (5):

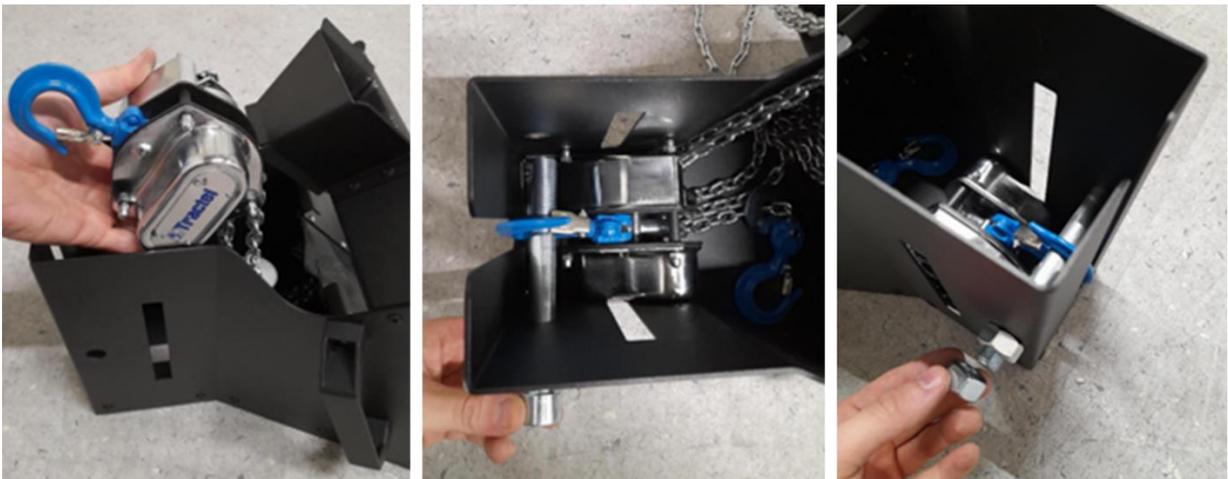


Figure 2: Assembly of chain host (1)

- Pull the thinner chain, which is necessary for manual operation, through the chain guide (2) and place the thicker excess chain in the chain deposit (3). For easier handling, the excess chain can be wrapped around the chain guide (2).

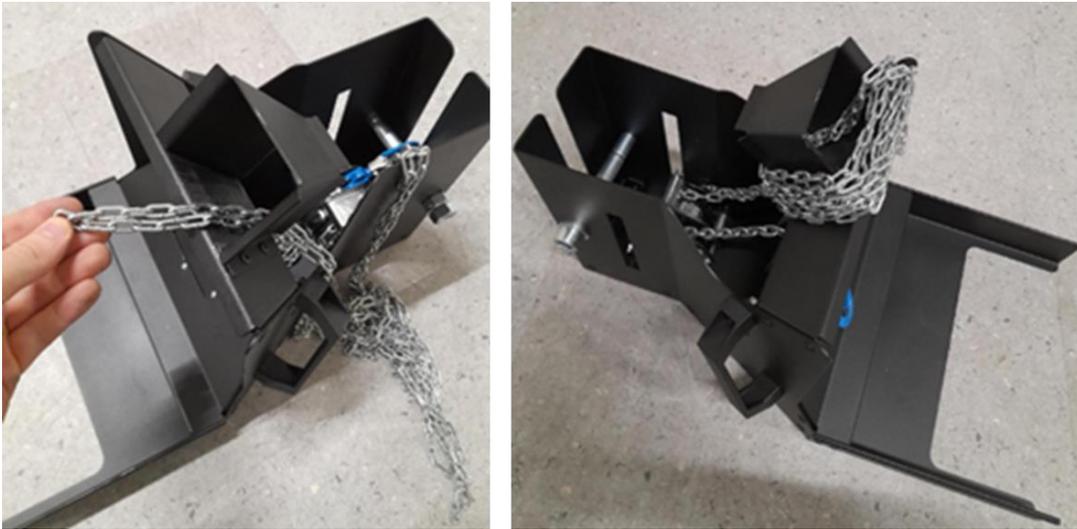


Figure 3: Assembly of chain hoist (2)

The HYC50 Mounting Aid is now ready for use.

4. Operation

Remove the plastic cover on top of the wall mount plate or the pedestal.

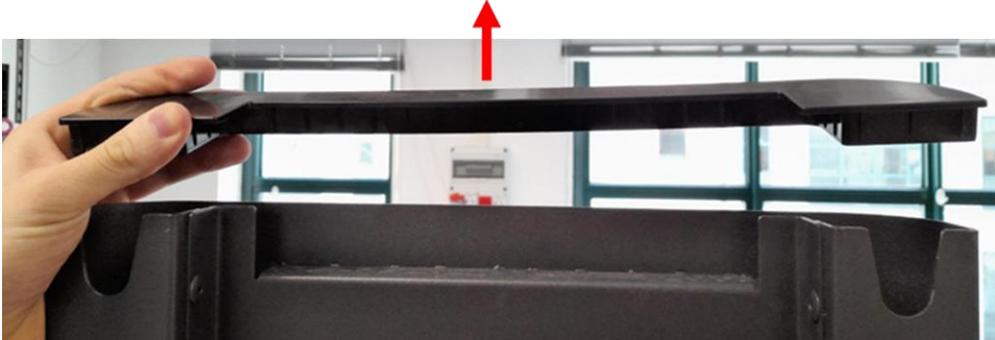


Figure 4: Removing the plastic cover

Position the packaging of the HYC50 exactly in front of the wall mount plate/pedestal and start unpacking.

Make sure that the side with the marked cutting lines faces the wall mount plate/pedestal.



Figure 5: Unpacking HYC50

Insert the HYC50 Mounting Aid into the wall mount plate or the pedestal from above. Make sure that the mounting aid has been pushed into its final position.



Figure 6: Inserting mounting aid

Take the spacers out of the HYC50 packaging and place them on the wall mount plate or the pedestal at a distance of 1.3-1.4 m from the floor.



Figure 7: Attaching the spacers

Then cut the top of the packaging alongside the indicated lines and attach the hook of the chain hoist to the eyebolt of the adapter plate, which is already pre-mounted on the HYC50.



Figure 8: Attaching chain hoist to the adapter plate

The HYC50 can now be lifted by pulling the chain that passes through the chain guide.



Figure 9: Lifting up the HYC50

The two bolts on the upper back of the charger are used to secure the HYC50 on the wall mount plate/pedestal. Once the HYC50 is in the highest position, press against the upper part of the charger with one hand and lower the charger with the other hand.

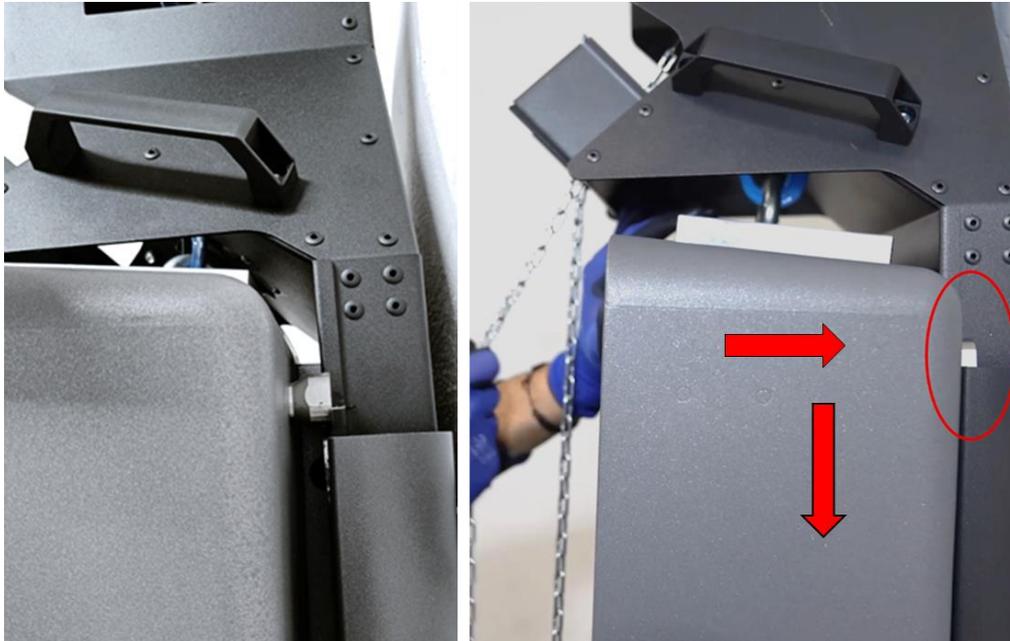


Figure 10: Inserting the bolts

The two bolts should now be in both latches and hold the HYC50. The chain to which the charger is attached should no longer be under tension.

Warning



Check that the bolts are correctly positioned in the latches on both sides.
Danger of load fall!

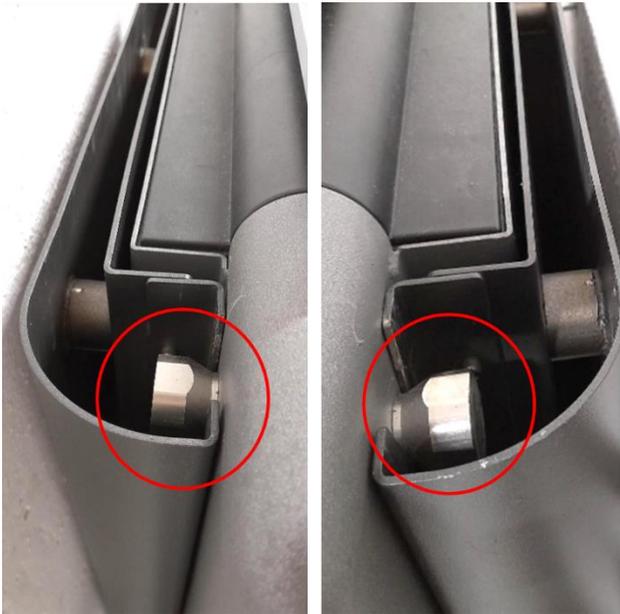


Figure 11: Position of the bolts

Insert the connection cables into the designated cut-outs on the back of the HYC50. Please make sure that no cable is pinched.



Figure 12: Inserting connection cables

Remove the spacers and guide the HYC50 until the entire back of the HYC50 fits to the wall mount plate/pedestal.



Figure 13: Removing the spacers

Remove the hook of the chain hoist from the eyebolt of the adapter plate and dismount the HYC50 Mounting Aid by lifting it upwards.



Figure 14: Removing mounting aid serer@alpitronic.it

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Remove the adapter plate on top of the HYC50 by loosening the four screws.



Figure 15: Removing adapter plate

Then place sealing caps on the screw points of the adapter plate and attach the plastic cover again.



Figure 16: Attaching sealing caps and plastic cover

5. Maintenance

Visually inspect the HYC50 Mounting Aid before each use. At least once a year, the sheet metal framework should be checked for wear. In addition, it should be checked whether all riveted joints are still in place and have not come loose. For more information on the maintenance of the chain hoist, please consult the operation manual of the chain hoist.

6. Disposal

The HYC50 Mounting Aid consists of a high proportion of reusable metal parts. For the exact procedure, we recommend that you contact your local recycler.

Notice



If you have any problems, please feel free to contact our hypercharger support team at any time:
support@hypercharger.it or +39 0471 1961 333



For more detailed information regarding the HYC50 please refer to our document platform "hyperdoc".

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