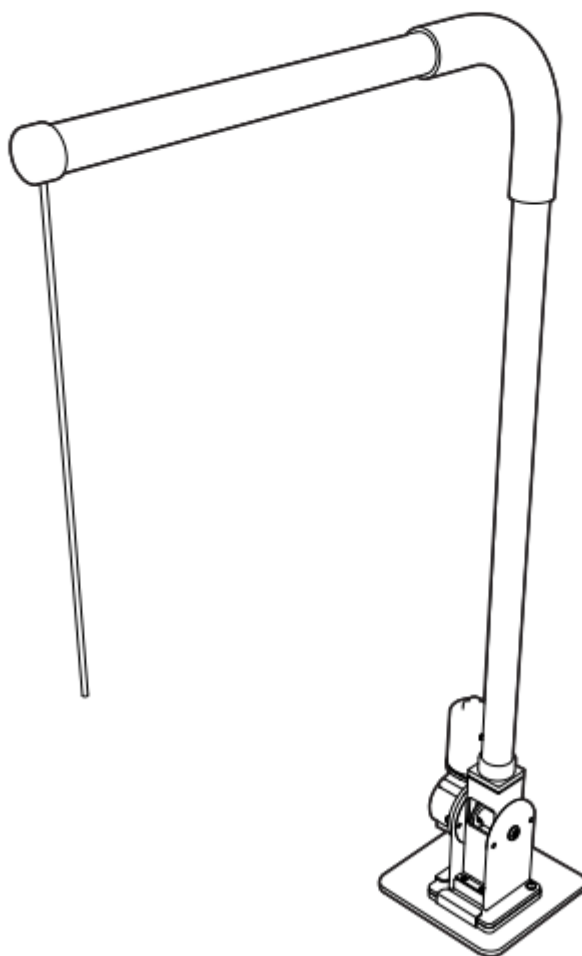


MOUNTING INSTRUCTIONS Version 1,0



handihoist35™

35 KG WHEELCHAIR HOIST



930.MI.EN



General

handihoist35™ 35 KG WHEELCHAIR HOIST

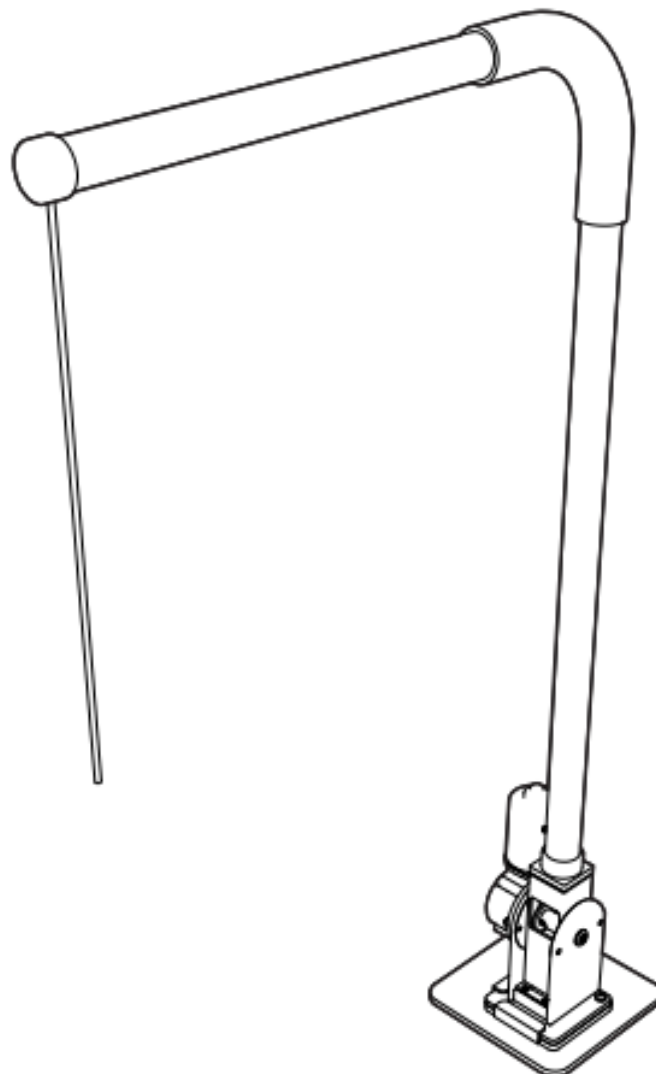
Before installation:



Warning!

The hoist operates on the 12V power supply from the car. This should be made available to the place of the installation directly from the car batter through a 15A fuse. Clearly mark the fuse "LIFT". The control box should be wired to the power supply, so the blue wire is connected to earth.

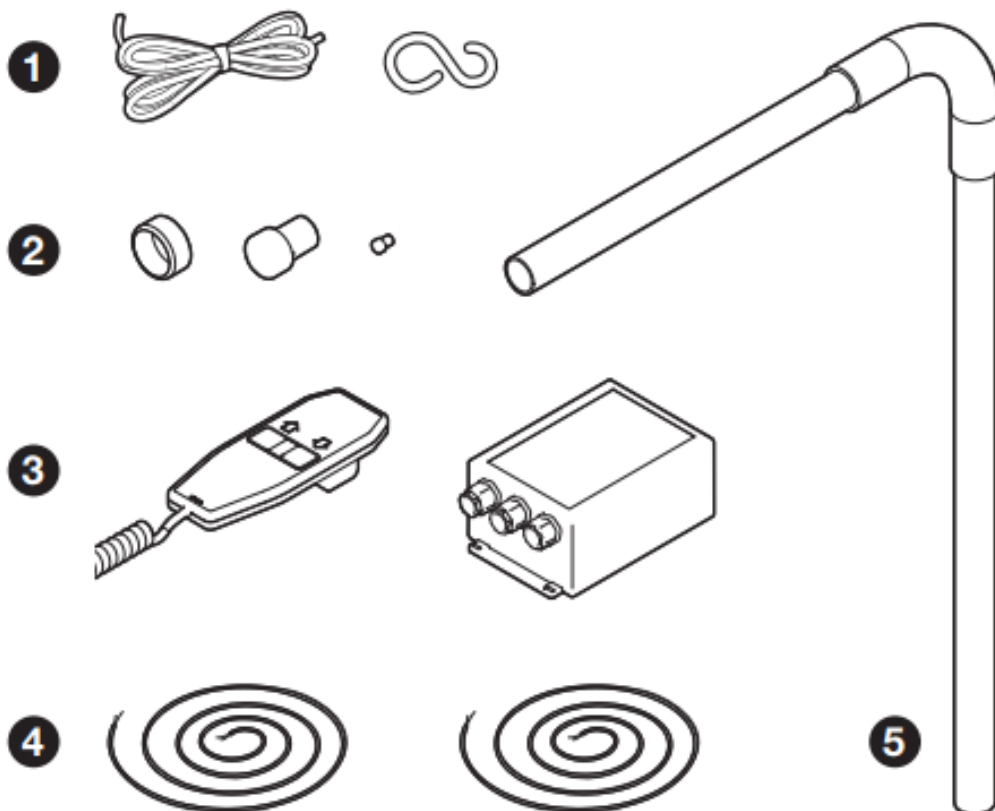
The lift must be fitted onto the vehicle floor without the use of braces. Make sure that the bottom of the vehicle is sufficiently reinforced and that the lift is attached around the stringers.



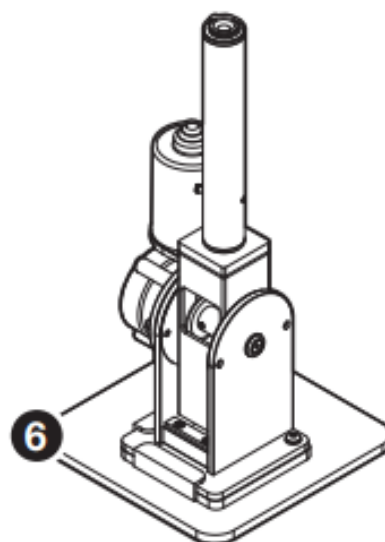
The package contains:

handihoist35™

35 KG WHEELCHAIR HOIST



- 1** Rope, Hook.
- 2** Cover Fitting, End Piece, Screw.
- 3** Remote Control, Control Box.
- 4** Wiring, Battery / SWF Motor.
- 5** Crane Arm.
- 6** Crane Base.

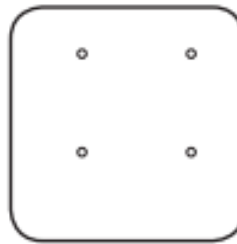


Installation Instructions

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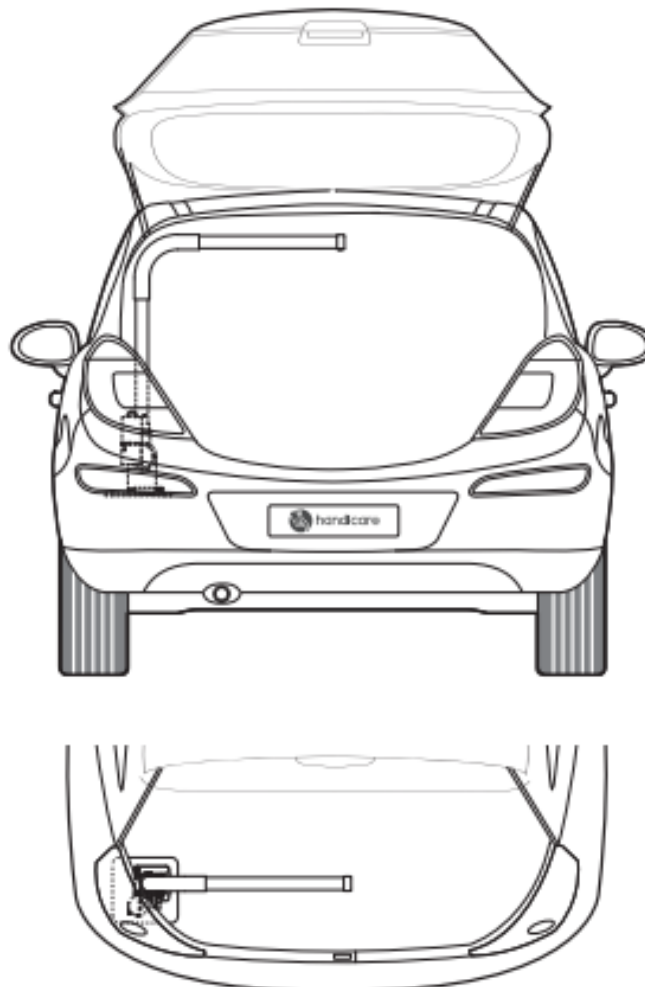
35 KG WHEELCHAIR HOIST

1



The base plate is adapted for both left and right use.

2



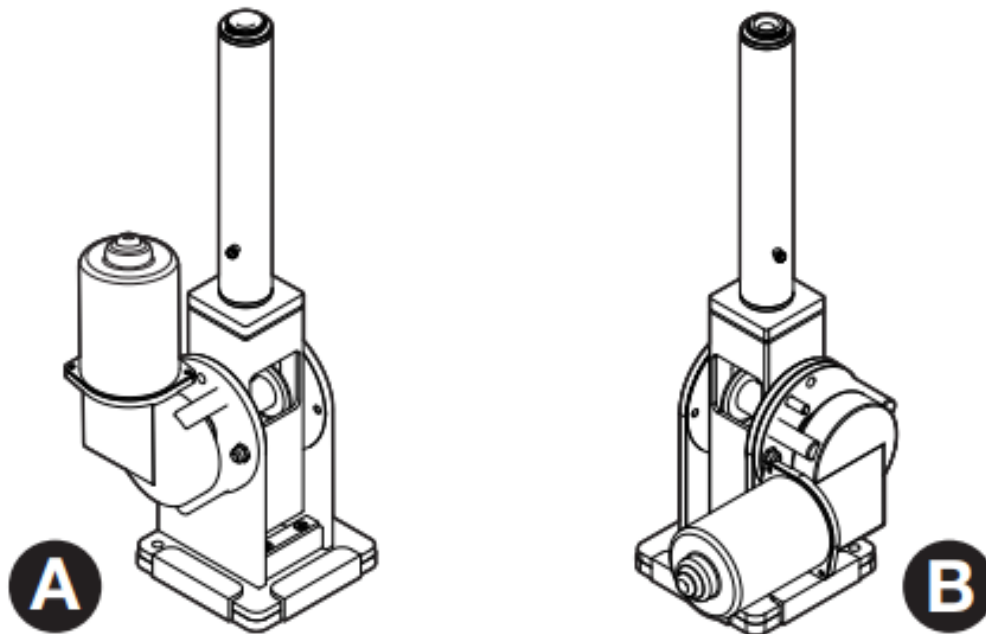
The hoist may be positioned very close to inside of the trunk, thus providing full benefit for the reach of the hoist arm. For some vehicles, it may be necessary to adapt the footplate itself of an optimal function.

Installation Instructions

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35 KG WHEELCHAIR HOIST

3

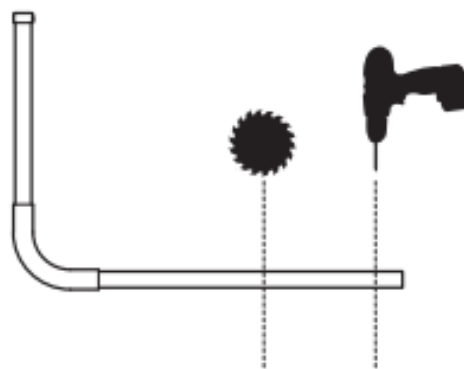


The electric motor can be fitted on either side of the of the lift. Position **A** is the obvious choice for left-side fitting, with **B** for the right side of the vehicle.

The electric motor can be turned in three positions around the shaft, if this provides an advantage in the particular vehicle.

4

The height and reach of the hoist is adapted by cutting off the excess length of tube. The hole in the vertical part of the arm should be drilled before the tube is cut.

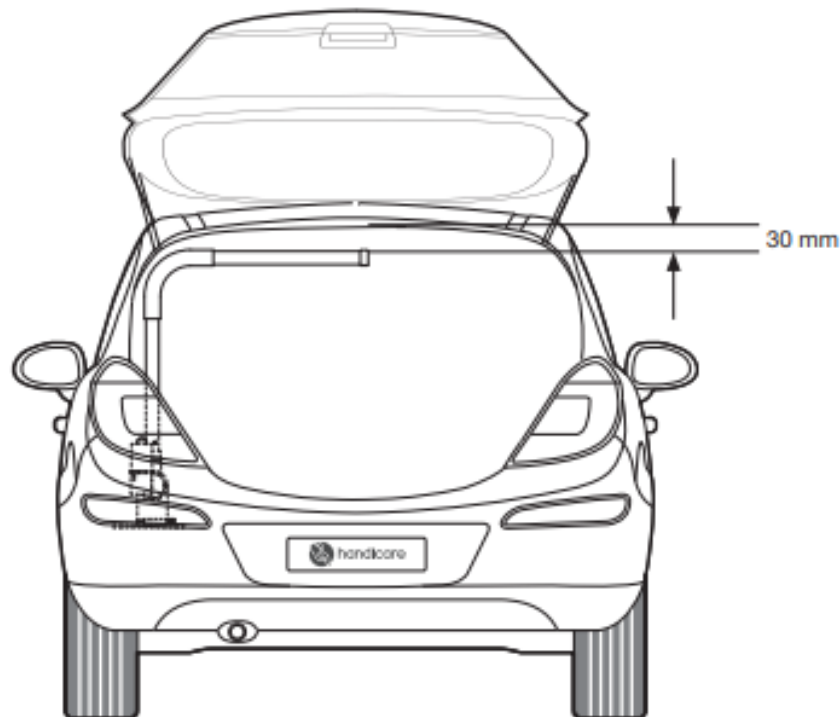


Installation Instructions

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35 KG WHEELCHAIR HOIST

5

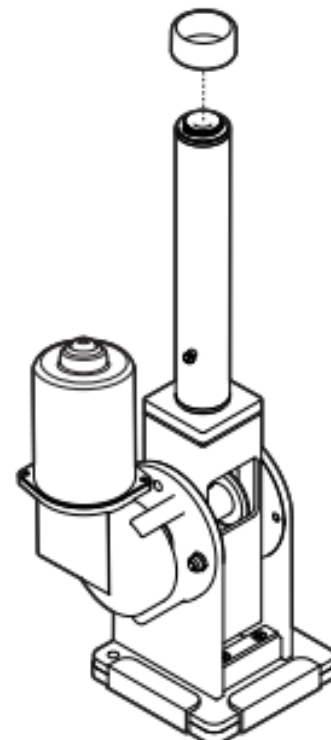


It is necessary to adjust the height and reach of the hoist to fit the particular vehicle. The hoist arm should under normal circumstances reach to a little over the middle of the truck for the best result. The height should be adjusted, so the wheelchair clears the edge of the truck. In station cars, the horizontal arm should swing into the truck.

6

Before the arm is fitted to the axle, slide the cover ring over the bottom end of the tube, and run the rope through the tube.

Tread the rope through the pulley retainer, taking care, that the rope runs freely around the pulley.



Installation Instructions

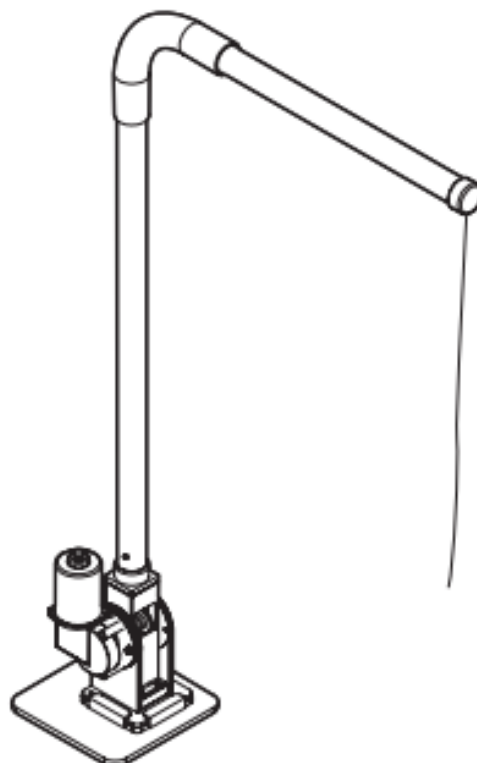
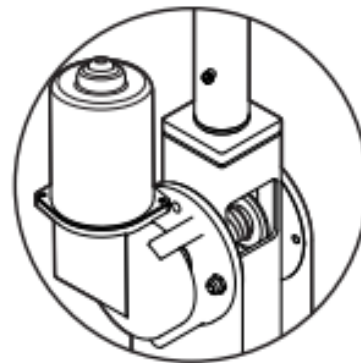
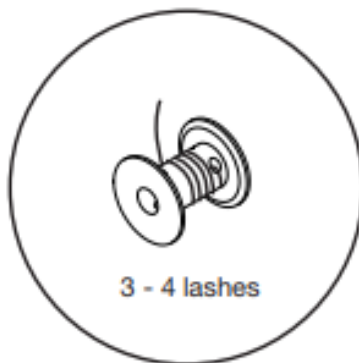
handihoist35™

35 KG WHEELCHAIR HOIST

7

The length of the rope is adjusted in the following way. With the lift installed, the rope should be reeled out until there is 3 - 4 lashes on the reel. The rope is secured to the reel through the hole, tying a simple knot.

The hook should now just reach the ground. Any excess length of rope can be cut off, and the hook tied onto the rope again.

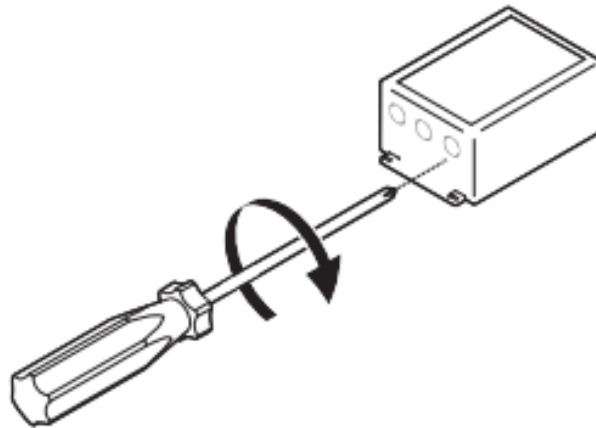


Installation Instructions

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35 KG WHEELCHAIR HOIST

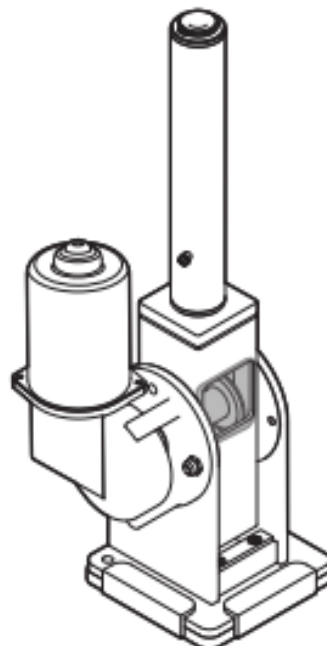
8



The overload protection cuts the power to the lift when the load exceeds 5 kg of the wheelchairs weight (40 kg.) The adjustment is carried out on the little white plastic screw on the side of the control box.

9

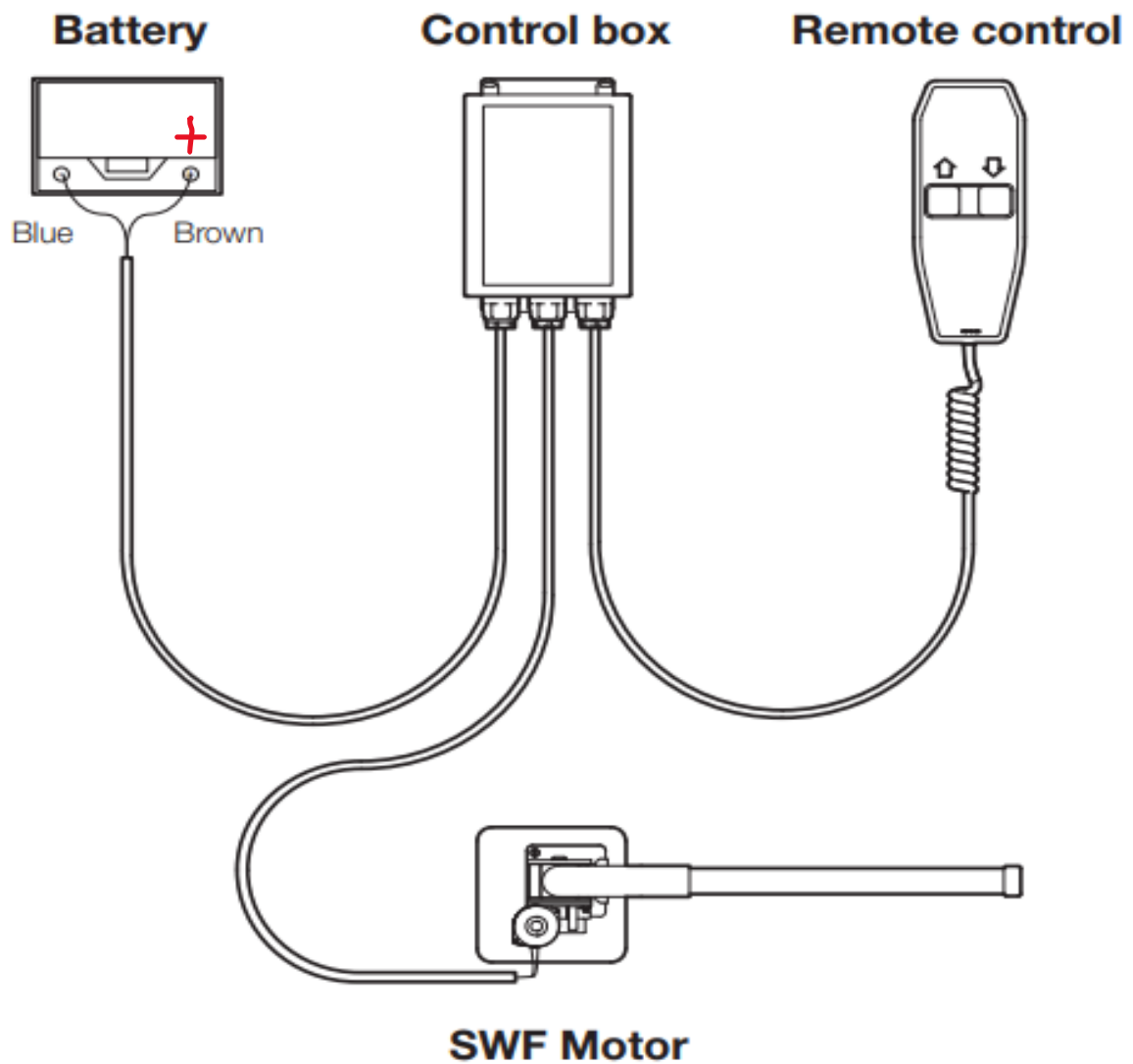
The opening of the pulley should be covered with a sticker after finished assembly.



Wiring Diagram

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35 KG WHEELCHAIR HOIST



Handi Hoist 35 Product-update 2022

We have upgraded the Handi Hoist 35 with new type of ecu control, which is pre-programmed (ready to use). If additional programming is required, to change any of the pre-programmed settings, you will need to purchase a EM236A Interface control unit from Autoproducts. With this control unit, it is possible to change the following settings:

Parameterbeskrivelse / *Parameter description*

1. Betjeningstilstand / *command mode*
2. Startbetingelse / *start condition combination*
3. Indgangstype / *input logic combination*
4. Hastighed 1 / *running speed 1*
5. Hastighed 2 / *running speed 2*
6. Strømgrænse - FREM / *current limit FW*
7. Strømgrænse - TILBAGE / *current limit BW*
8. Afbryderkombination / *trip combination*
9. Forsinkelse inden afbrydelse / *I-trip delay*
10. Kombination af fejludgange / *fault output combination*
11. Overspændingsgrænse / *over voltage limit*
12. Belastningsudligning / *load compensation*
13. Time-out
14. Nulstilling / *reset for start and hour counter*
15. Startrampe / *start ramp*
16. Stoprampe / *stop ramp*
17. Kickstart

EM-236A INTERFACE UNIT



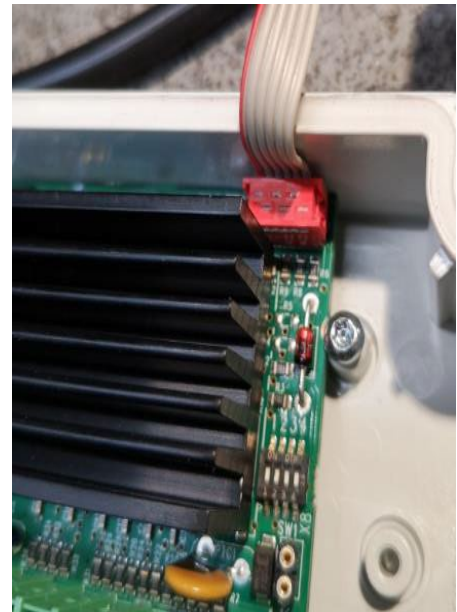
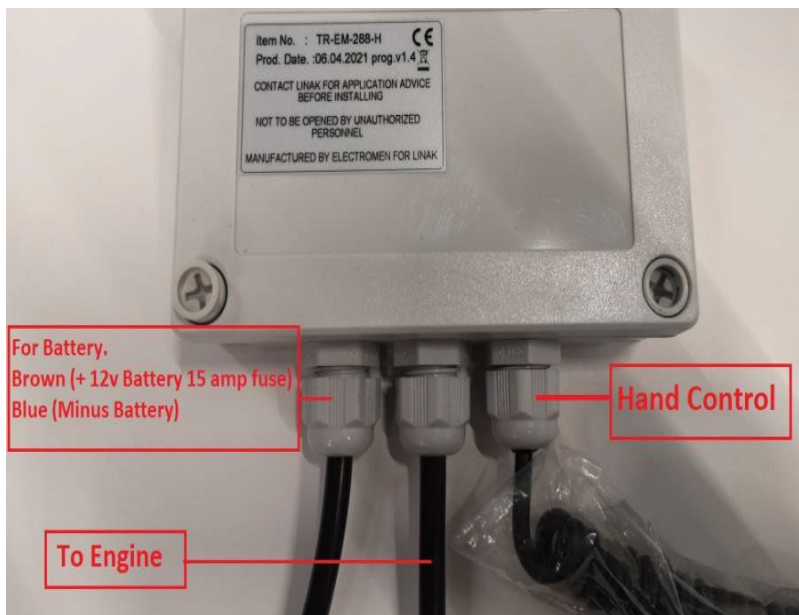
FEATURES

- * Accurate and easy adjustment
- * Good adjustment repeatability
- * Saves space in products
- * Gives economical advance
- * Enables dynamic monitoring
- * Easy to use
- * Smaller and lighter than EM-236
- * Replaces previous EM-236

EM-236A Interface unit is made for adjusting and copying adjustments of Electromen driver devices and for monitoring dynamic values during drive. EM-236A enables the searching of the right settings and adjustments for the application, and after that these settings can be reliably loaded to other units. EM-236A is handy in instrumentation and also a simple tool in production.

The use in short:

After the driver unit is powered the cable from EM-236A with red "Micro Match" connector is connected to the driver unit, (Notice the hole in board for polarity tab). The display of interface unit wakes up and after some announcements it is ready to load up parameters from the target driver (Load&Edit), if there is need to edit, the values can be changed with + and - buttons. Then the parameters can be saved with 2 seconds push of the "2sec. save" button. If the operation of the driver is OK, the red connector can be connected to the next driver and with a push of "Copy to device" button the same parameters are loaded to the next unit and to as many units as the user desires.



Please note that the following settings are minimum and maximum values:

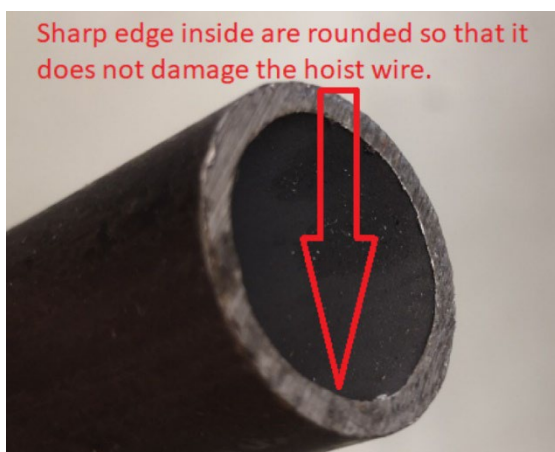
Standard parameter settings from Autoproducts:

- | | |
|-------|---|
| No. 3 | Value 1 (ground-controlled signal for operation) |
| No. 6 | Value 160 max amp (Do not adjust to a higher level as this can cause damage to the hoist and to the loaded product) |
| No. 7 | Value 160 max amp (Do not adjust to a higher level as this can cause damage to the hoist and to the loaded product) |

All other parameters are factory settings and should not be changed.

Mounting of Handi-hoist Break joint.

Part. 574718



It is recommended to pre-drill 1.5mm into the pipe where the small screws are to hold the break joint + use thread locker (Loctite Blue)

Warranty

handihoist35™ 35 KG WHEELCHAIR HOIST

Warranty for products sold under the responsibility of Handimobil Auto DK.

Handimobil Auto Products warrants to the original purchaser of this product that we will repair or replace any faulty parts, at our discretion.

Warranty period: Any parts that fail by reason of defective material or workmanship will be offered a replacement of all parts for a period of one year. Labor costs for specified parts replaced under warranty are not covered by this warranty. If applicable the product specific extended warranty obligations can be found online.

This warranty does not cover: Damage caused by accident, misuse, abuse, lack of proper maintenance or failure to follow operating instructions. Required maintenance or repairs must be performed at that time, or as needed. Handimobil Auto Products obligation under this warranty is exclusively limited to the repair or exchange of parts that fail within the applicable warranty period, and Handimobil Auto Products assumes no responsibility for any other expenses or damages, including incidental or consequential damages.

This Warranty is void if: The product has been modified or altered in any respect from its original design without written authorization by Handicare as this product has been designed and manufactured to a specific purpose. Modification of this product in any respect is DANGEROUS.

Handimobil Auto Products disclaims liability for any personal injury or property damage that results from operation of a product that has been modified from the original Handicare Auto Products design. No person or company is authorized to change the design of this product without written authorization by Handicare Auto Products.

Warranty handling procedure: Returning of parts / goods with a warranty claim can only take place with a pre-written agreement in the form of a "return number" issued by Handimobil. Contact

Support@autoproducs.dk

Claim validation process – spare parts and products (hereafter named goods): Handimobil will when needed as soon as possible send a replacement for the claimed goods. Any replacement goods will be invoiced to the customer. Claimed goods which are applicable to be covered by the warranty must be returned to Handimobil without delay, with a copy of the original invoice, and the warranty claim form describing the default in the claimed warranty goods. Handicare will upon receipt inspect the returned claimed goods. The customer pays for the freight cost in connection with returning goods to Handimobil Auto Products at warranty issues. In case the goods is covered by the warranty, there will be made a credit note for the replacement goods which has been send earlier. If the claim is not accepted under the warranty, the invoice must be fully paid. Unless anything else has been agreed the risk for the replacement goods is passed on to the purchaser by delivery at sellers address (Incoterms 2010 EX Works). Furthermore we refer to our general sales- and delivery terms.

Autoproducts ApS. Baggeskærvej 48, 7400 Herning, Denmark

T: (+45) 2819 9627 / E: info@autoproducs.dk / W: autoproducs.dk