

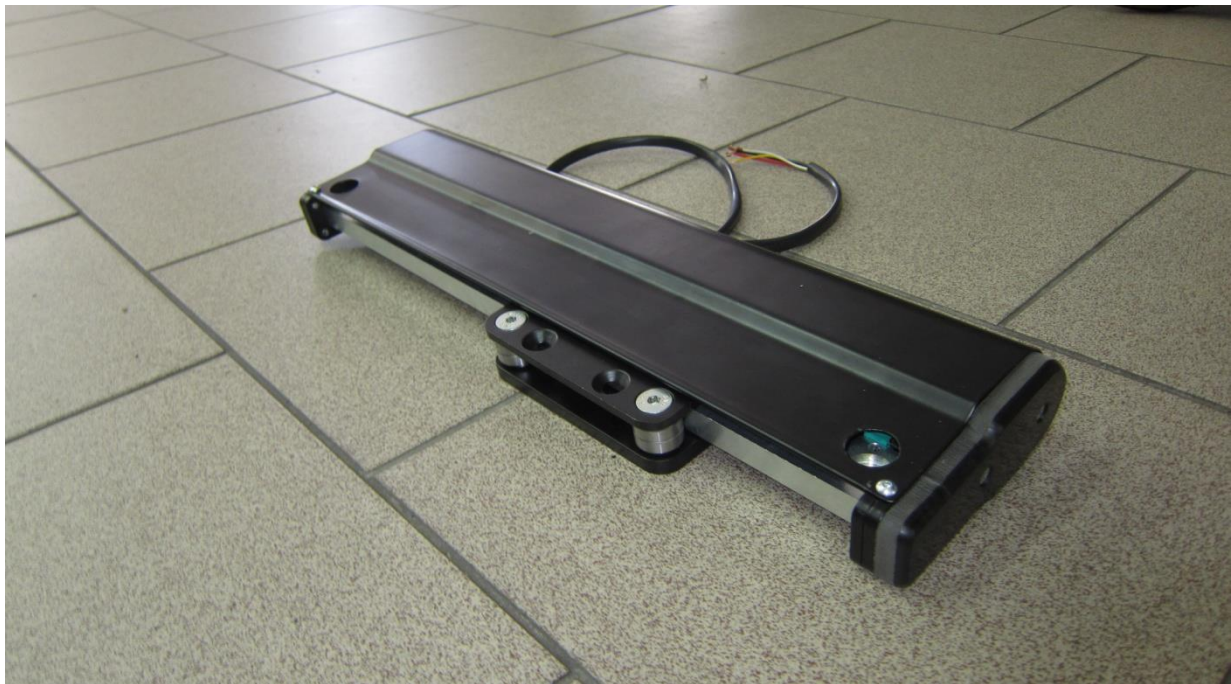
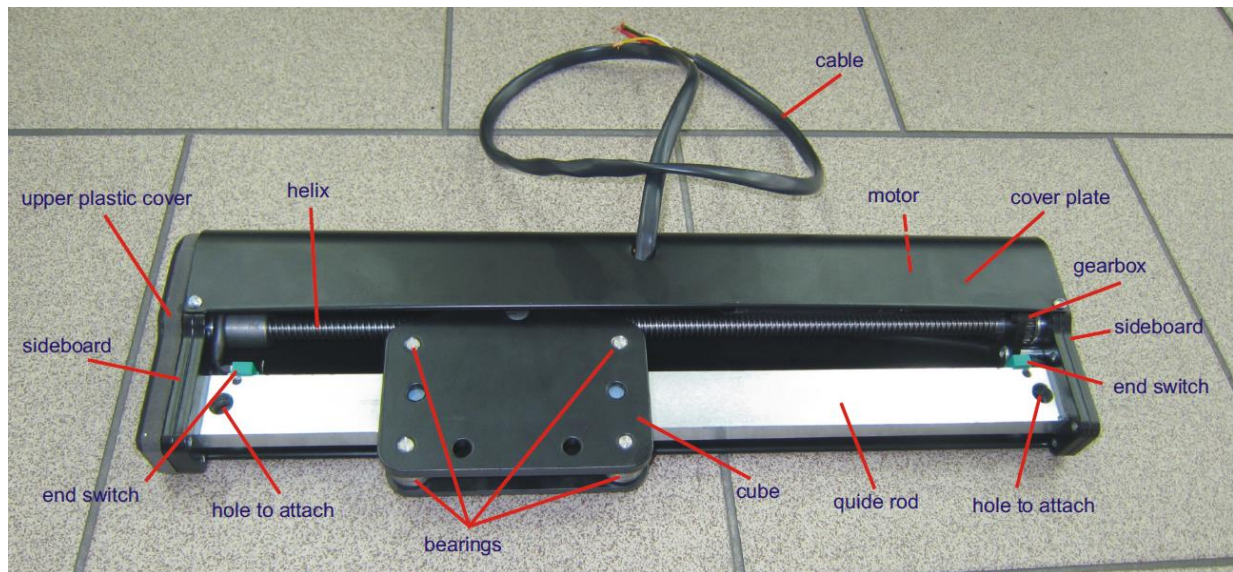
Electrical lift up device – assembly instructions

HOW TO USE

The lift up mechanism is placed between the seat and the B pillar of car body. It is used either to lift a person from the wheelchair to the seat above where the seat part is used as a desk, or standing up arrangement called "myopat" when the sitting part is used as a rod or shortened plate.



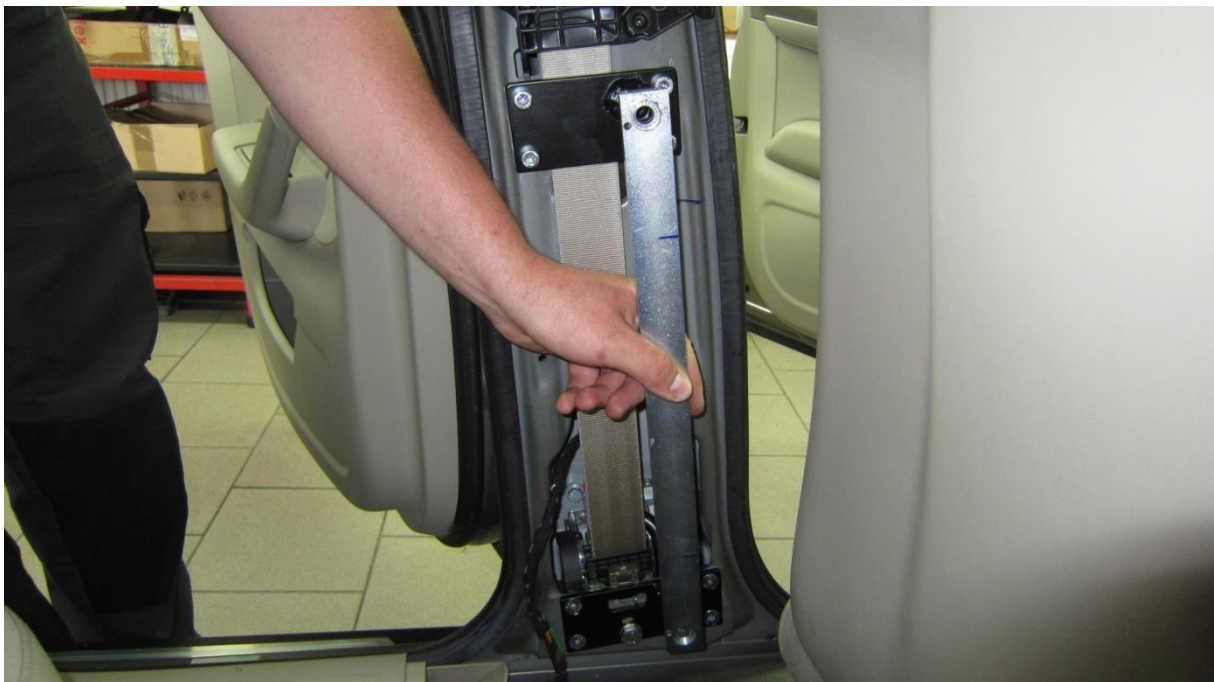
SCHEME OF FUNDAMENTAL PARTS OF LIFT UP MECHANISM



Relay is also a part of the device.

PRINCIPALS OF LOCATION

Before the assembly itself it is necessary to well plan out the final allocation of the device. You should also arrange with the customer on purpose of device and how high the end positions will be required. Basic lift is 20 cm or 41 cm, on request we can produce higher lift. Device must fit between the seat and the side pillar. Lifting should lead parallel to the inclination of the pillar. It is also necessary to pay attention to the location of the lifting mechanism to fit in a lower position between the seat and the plastic when the door is closed. In case of lack of space you can reduce plastics in door pillar or in the plastic door filling (pocket).



ATTACHMENT OF LIFTING MECHANISM

The device is mounted on the upper and lower bracket which are attached to pillar with screws or pressing nuts. Holders must be shaped so as to fit under the plastic and copy the shape of the pillar construction. In order to fit the holders under plastic we can help with countersunk screws. The belt must freely walk around the upper bracket. To attach the lower bracket, it is usually used a bolt of belt retractor. From the holder we usually run out struts, which are then led through plastic and hold the mechanism itself. We use a 19 mm hexagon and 10 mm internal thread. Determine the length of the struts by location of mechanism and plastic of pillar. Fundamental important is attaching these struts exactly to the guide rod. Attaching the screws must be accurately aligned beware of bend the guide rod anywhere and lifting so went perfectly. Small deflection of guide rod has an effect on the helix and

lifting then may not work properly. Now the lifting mechanism can be attached to the pillar. Before it drill holes in plastic to lead out struts and a hole for the cable. For better look you can let color the plate in color of the interior like the pictures.

You needn't put the plastic back. We have good experience with a leather! It is much easier to adjust, you do not drill holes to original plastics and mainly you will get more space if there is not space enough between column and seat.











SITTING PART

Now we prepare for the sitting part of the device. We shape the seat tube to get the lower or upper height position according to customer needs. Wheelchair sitting height is about 50-55 cm above the ground. In the lower position it is necessary to avoid plastic of door and a seat and the tube must lead horizontally. The tube is welded to the cube which is attached to the main cube by screws.

In case of using a rod - wrap it with plastic foam and then with leatherette. At the end make a passage and pull by string.

In case of using a plate we supply the mechanism along with the folding plate. In the lower position the plate is tilted up. Accordingly, it is necessary to bend the supporting rod so that the plate did not hinder plastic on the seat and plastic of closed door. The plate must be fitted horizontal.



CONNECTION OF ELECTRICITY

There are brought 4 wires from the mechanism. Black cable is body minus. Red cable is +, leads directly to the battery where the fuse is placed on the cable just before attaching the battery. The other two cables lead to the controller. Switching voltage is minus. Driver (button) is usually placed on the plastic dashboard form the side which is hidden after closing the door. This location is the best because user has a button at hand while lifting and when the door is closed the equipment is impossible to use. The button can be placed elsewhere on the dashboard (e.g. near light control under the steering wheel), or on the door itself, then it must be mounted a circuit breaker switch to disconnect from power when door is closed.





www.hurt-auto.com

Josef HURT – Car Adjustments for Handicapped
Bambosek 664, 281 26 Týnec nad Labem
Czech Republic
Mob: +420 608 977 274
E-mail: malina@hurt-auto.com