

Electric seat simple and cheap

Interface pour positionner un siège sur un Kit Hoverboard

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Diffusion : Septembre 2018 sur You tube et Instructable - Indice a

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! Prototype réalisé dans un objectif d'essai avant réalisation fonctionnelle.

Prendre contact avec MHK et prendre connaissance des préconisations sécurité avant de réaliser un véhicule semblable.



MHK :
<https://myhumankit.org/>

<https://youtu.be/YL8pIMDhU74>

« Automatic translation »

! Contact MHK and learn about the recommendations safety before making a similar vehicle.

Objective: to achieve a very simple and inexpensive design that allows you to move on a chair from a Hoverboard kit.

The constituent elements (seat, Hoverboard kit) are not modified.

Here the embodiment consists mainly of a board, PVC tubes and some hardware elements.

« Automatic translation »

Subject:

Quick-mount interface for moving on a motorized seat by the Hoverboard

Orientation: simple, accessible and inexpensive realization, here realization with a board of recovered wood and the classic material which one finds in all the hardware stores.

Characteristics :

Fast mounting of the interface on the hoverboard and quick assembly of the seat and controls on the interface.

Easy transport by quickly mounting and dismounting the interface and folding seat. When performing the interface can be configured to place the front or back of the seat to the Hoverboard.

It depends on the function sought which can be a use in leisure or mobility assistance. Here the different components, seat and Hoverboard kit are not modified and therefore reusable in the original function.

Here the interface has been realized by privileging the recovery, it is thus a principle of realization which is given and not a precise list of material.

Fixing the interface:

In the lower part the interface is positioned quickly on the help of cleats (2) which allow to fit the interface on the Hoverboard kit. The tightening is then done by two flanges (3)
The flange nuts (4) are accessible at the top. A board (4a) limits the risk of injury with the nuts in the event of a fall.

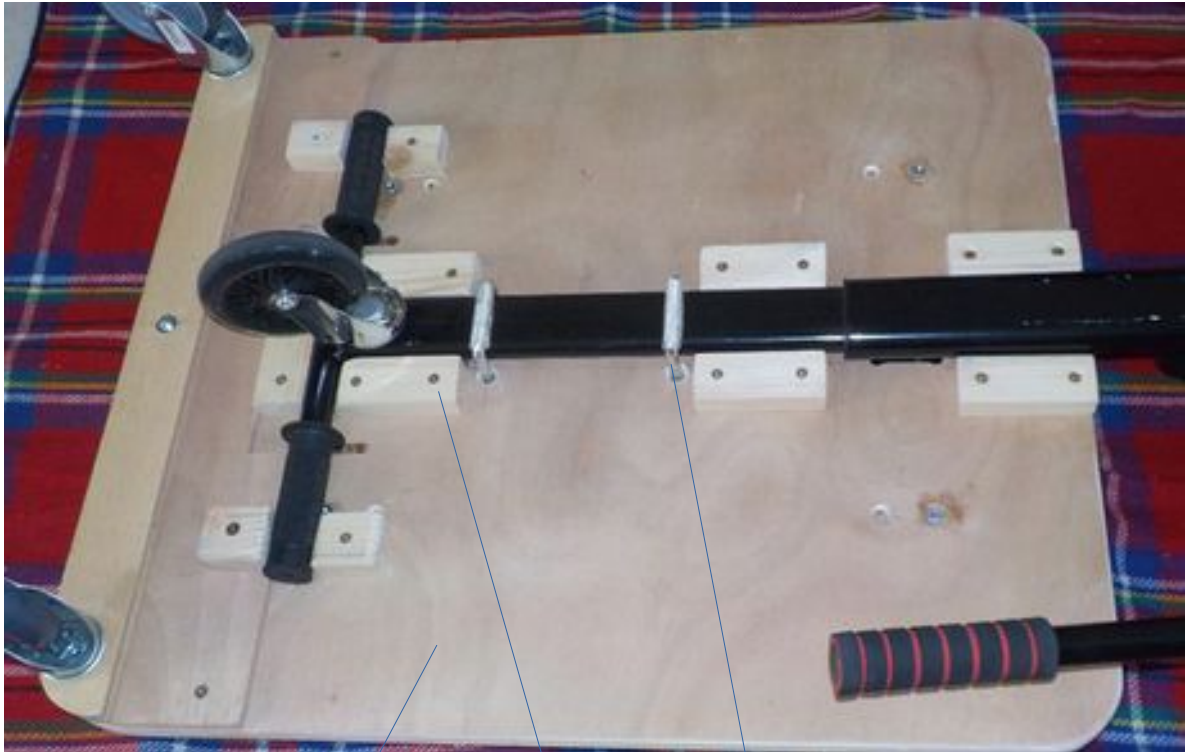
Seat fixing:

The seat is prepositioned by receivers (5).
Two flanges (6) specific to the folding seat (7) make it possible to freeze the seat on the interface.
Each flange has two pins (8) for the position and two screws (9) for tightening.

The tightening nuts (10) are directly embedded and glued under the interface

Stability:

Assured by two swivel castors (12)



- 1
- 2
- 3
- 4



4 bis



5

6

7

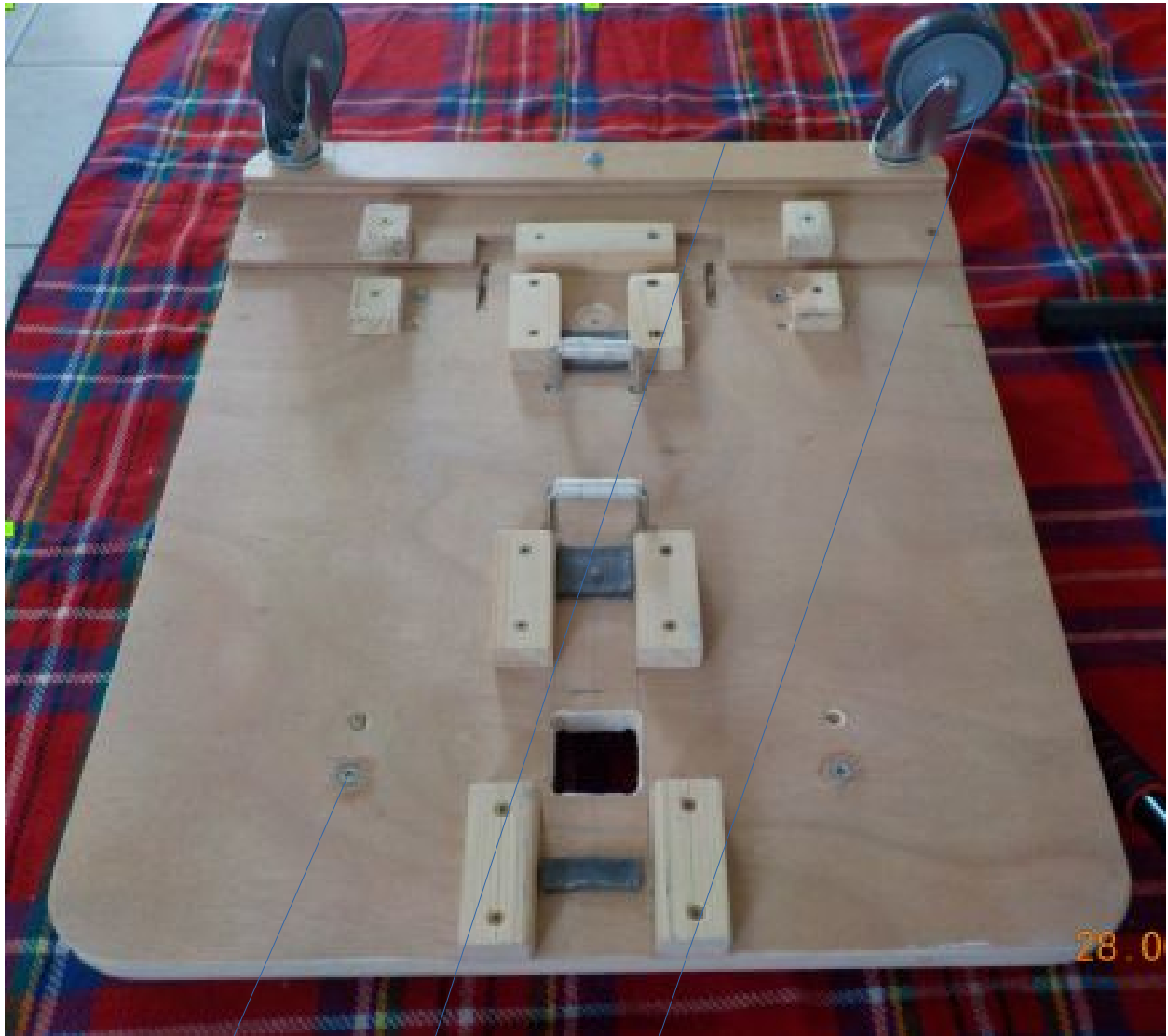
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11

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Remarks:

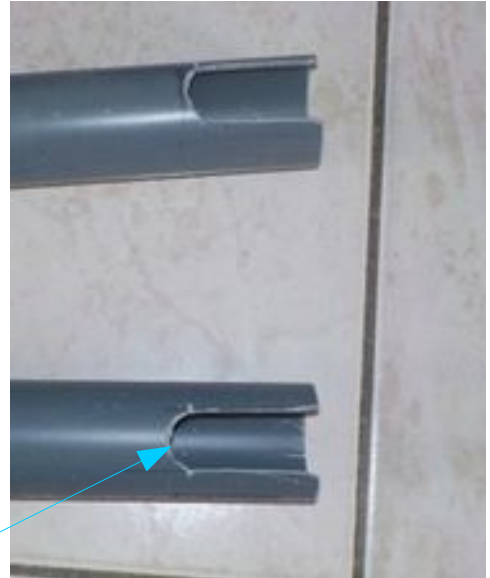
It is possible to simplify the realization by individual flange or piercing the tube of the seat to pass the screws.

This view also allows to see that the wooden board (1) is reinforced by bed slats (11) at the level of the wheels (12)

steering:

The piloting is done simply by PVC sleeves (14) which ensure the extension of the existing levers (13) of the Hoverboard. (PVC tube and elbow fittings depending on your configuration)

The tubes comprise grooves (15) which are wedged on the levers (13), they function anti-roundabout.



14

15



12

13

14



Neutral position:

As a reminder, the Hoverboard is not modified, the "neutral" position is obtained by a light support on a tube (16) composed of a PVC tube and an insulating foam normally used to isolate the heating pipes. This tube (16) is simply attached to the folding seat by two elastics.

Otherwise, the levers would be in the low position and the seat would go in maximum speed at the ignition of the hoverboard. (ignition must be done carefully to define and approach the neutral position)

(see [video](#))



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<https://youtu.be/YL8pIMDhU74>

