Mounting the Ride Custom Back to the Permobil 3G Direct Backrest Frame
Items to Order from Permobil

- Select the Direct Backrest Frame (PN: 1106072-99-0)
  Mounting brackets and linkage arms will be removed to make room for the Ride FlexLoc® adapter plates. The Ride FlexLoc adapter plates will be attached directly to the Permobil with adjustment plates.

- Order Longer Armrests
  To ensure adequate armrest length for the user, the next longer armrest size should be ordered. For users who need 18” armrests, custom modifications may be necessary to make the 18” armrests work with the Ride custom backrest setup.
Items to Order from Ride Designs®

2. Wheelchair Interface

Ride FlexLoc Specifications
NOTE: Sections a, b, and c MUST have a selection.

- **FlexLoc® Hardware**
  - Size, small regardless of wheelchair width.
  - Mounting, FlexLoc Adapter Plate
  - Attachment, Quick Release as you will need to remove the Ride Custom Back to tighten an adjustment.
  - FlexLoc Adapter Plate Kit
Direct Backrest Frame

- Remove mounting brackets and linkage arms from frame. They will not be needed.
1. Attach adapter plates using fasteners included with the FlexLoc Adapter Plate Kit.
2. Orient plates as high as possible to reduce the amount of wheelchair back recline needed to reduce loss of seat depth.
Attach Frame to Wheelchair
Reconfigure FlexLoc

1. Standard configuration, width adjustment screw access facing down.
2. Remove width adjustment screws, dismantle and flip center tube.
3. Reinsert width adjustment screws from top.

Note: This eases access for adjustment and tightening when on chair.
1. Loosen rotation screws (a) and width adjustment screws (b) to adjust rotation and depth.
2. FlexLoc shown with rotation.
3. FlexLoc shown fully forward.
Attach to FlexLoc and Install

- Attach Back to FlexLoc and install on chair
- See the problem?
  - Loss of seat depth when RCB and wheelchair back are both vertical and parallel
Parallel and vertical orientation of chair frame and custom back support causes, with this custom back (each one varies depending on shape), just over a 2” loss of seat depth.
1. Close back angle at FlexLoc (a).
2. In this case, approximately 12 degrees forward (b) restored seat depth (c).
1. Recline wheelchair back frame (a) to restore desired back orientation (b).
2. Seat depth is restored (c).
The Fix (Part 3)

- Level the armrests as needed.
Tighten it all down!

1. Tighten FlexLoc width and pivot screws.

2. Release back support from frame and tighten back angle adjustment.
Need More Information?
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