AMYPOWER™

“GOING BEYONG EXPECTATIONS”

WHEELCHAIR BALANCE ADJUSTMENTS

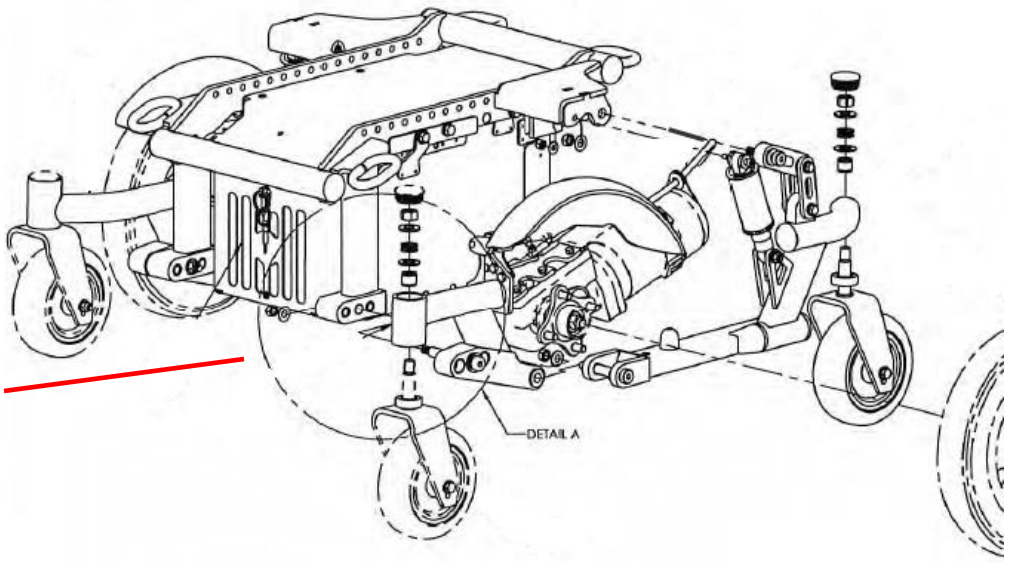
WHEELCHAIR BALANCE ADJUSTMENTS

- *For the vast majority of the wheelchair owners, the original configuration of the Amysystems chairs is performing within or above their expectations. For a few exceptions, the original settings might not offer the best maneuverability performances due to diverse physical characteristics.*
- *For those cases where the wheelchair might have a tendency of tipping forward on a sudden stop, going down a steep slope or where the user needs a little more leverage, we offer a few solutions to correct the situation.*

WHEELCHAIR BALANCE ADJUSTMENTS

PIVOT POINT ADJUSTMENTS:

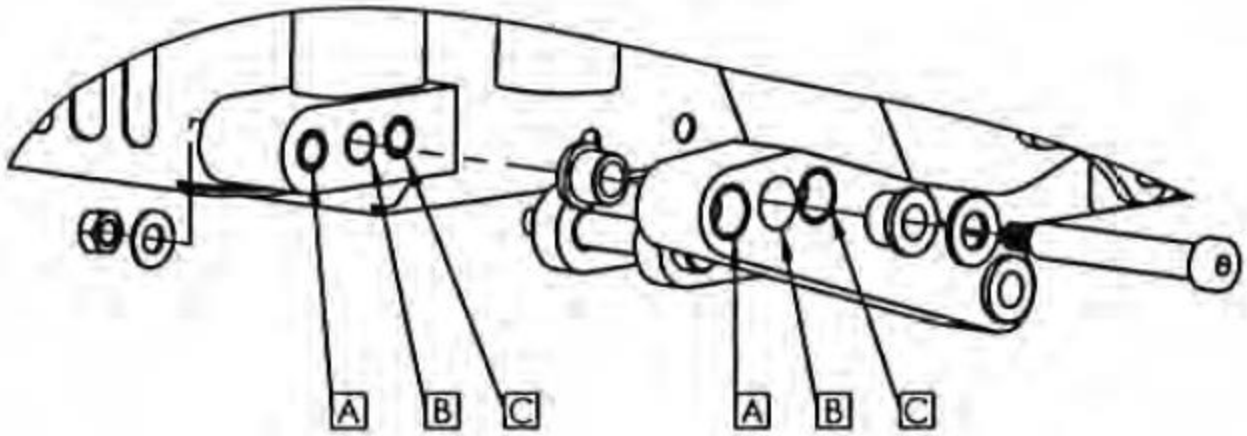
- *The first solution is applicable to the P, the M and the HD series. It is part of the MID drive chair frames only.*
- *By moving the main shoulder bolt in the front pivot point section, you can adjust either the stability or the traction of the base.*



See detail A on next page

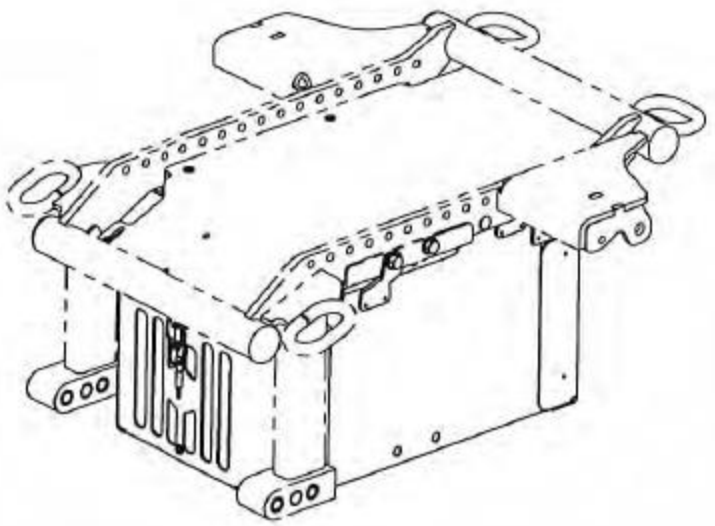
WHEELCHAIR BALANCE ADJUSTMENTS

- *<u>The central position (B) shown is that by default</u>. To increase traction of the base, use position (C) and to increase the stability, use position (A).*



BATTERY CASE DISPLACMENT:

- *In most case, this solution will take care of the initial situation. For more "extreme" cases, you still can resort to solution number two.*
- *This solution consists of moving between 75 to 105 lbs. back, to move the center of gravity backwards. We are talking about moving the whole battery case.*



WHEELCHAIR BALANCE ADJUSTMENTS

- *This solution is applicable to both the MID and REAR model of chairs*

REAR

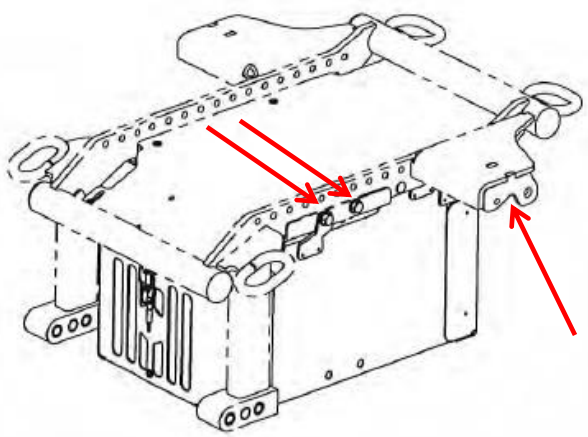
MID

WHEELCHAIR BALANCE ADJUSTMENTS

- *Let's start with the MID drive chassis.*

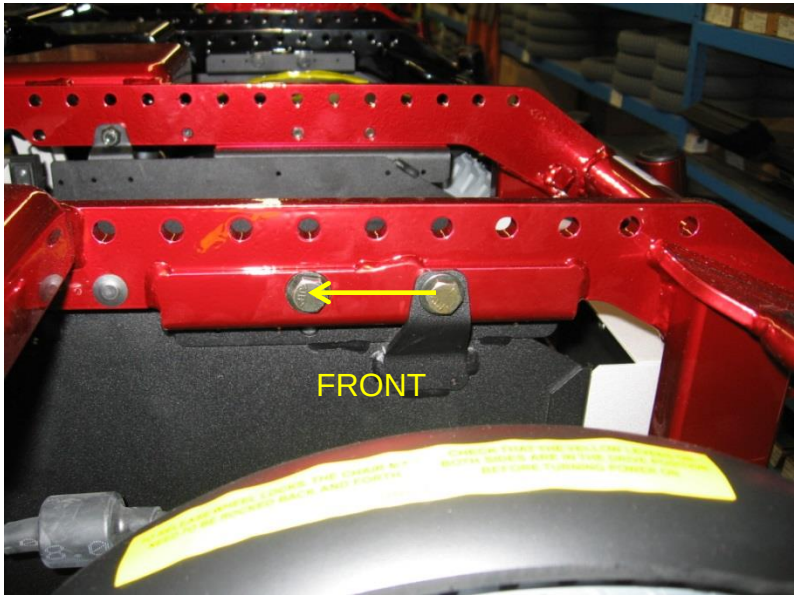
WHEELCHAIR BALANCE ADJUSTMENTS

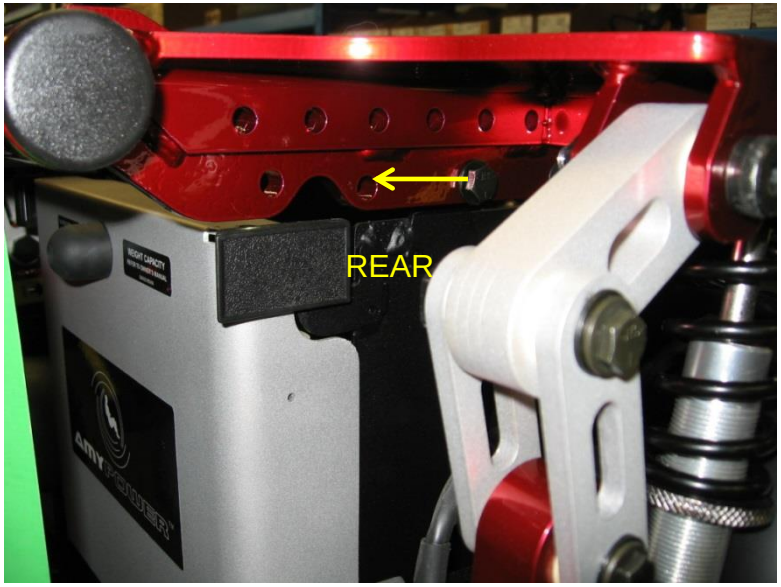
- *Locating the right bolts to remove is a piece of cake. All the bolts are easy to access and in plain sight. There are three on each side.*



WHEELCHAIR BALANCE ADJUSTMENTS

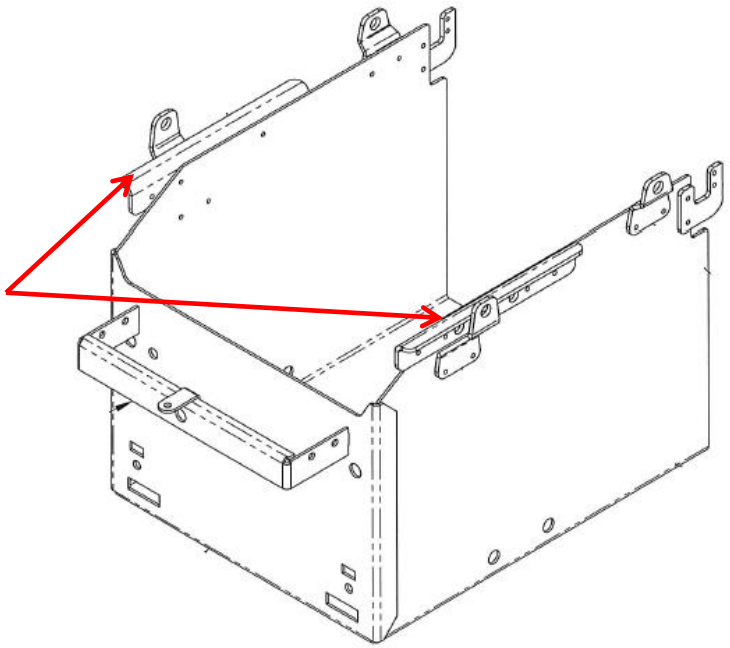
Displayed here are the bolt positions, old and new, for the MID drive chassis.





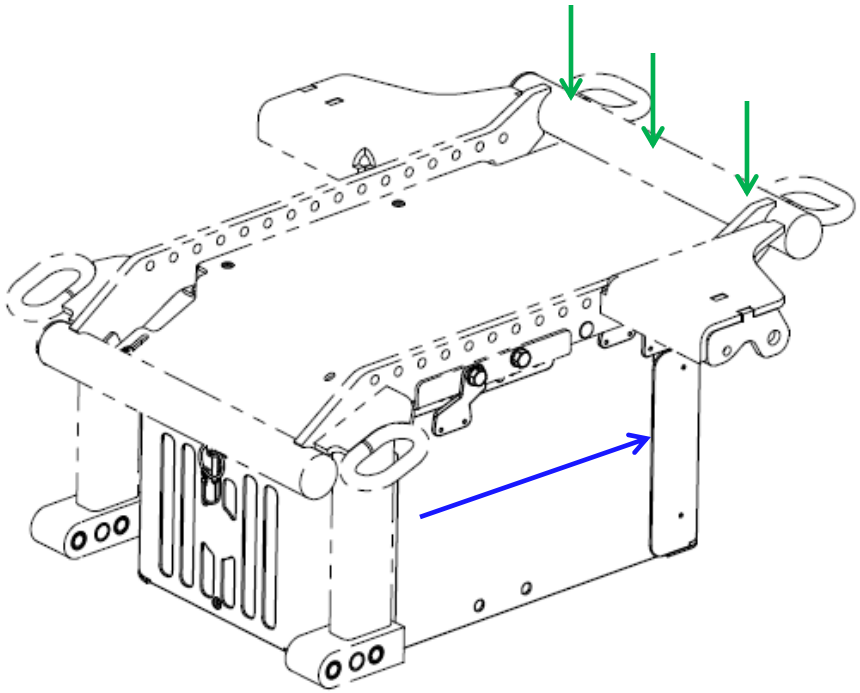
WHEELCHAIR BALANCE ADJUSTMENTS

- *We recommend that you remove the batteries before removing the battery case bolts. This will take a load of the bolts and of your back.*
- *You can remove all the bolts, the battery case will not fall to the ground and will slide in specially designed channels on both sides.*



WHEELCHAIR BALANCE ADJUSTMENTS

- *<u>New bolt positions</u>: The new bolt positions moves the battery case 2 inch back and help redistribute the weight to the back of the chair. The weight shifted can be considerable; 75 lbs. for group 22 and 105 lbs. for group 24.*

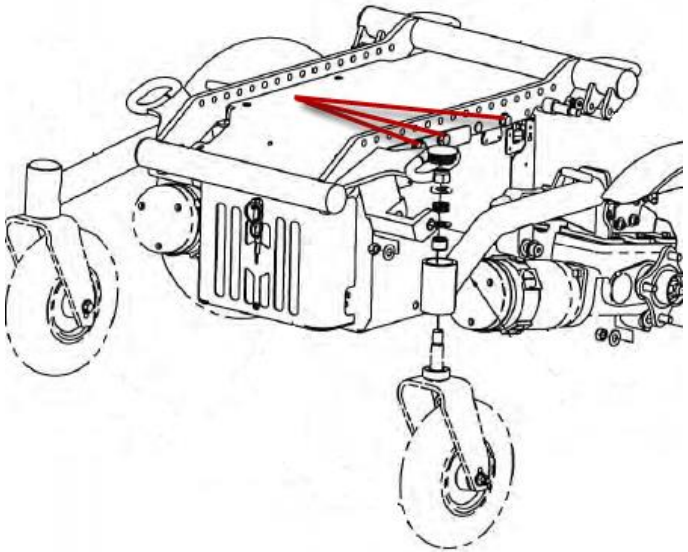


WHEELCHAIR BALANCE ADJUSTMENTS

- *Now, let's see the REAR drive chassis.*

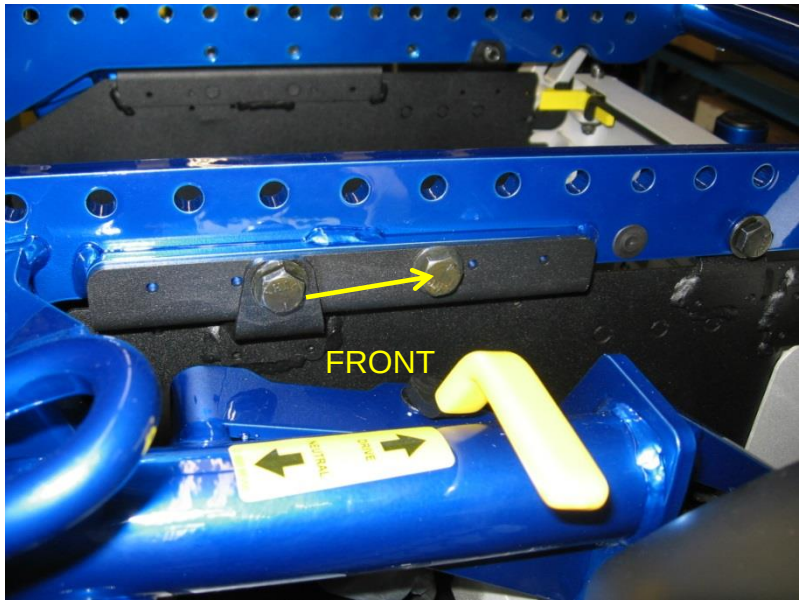
WHEELCHAIR BALANCE ADJUSTMENTS

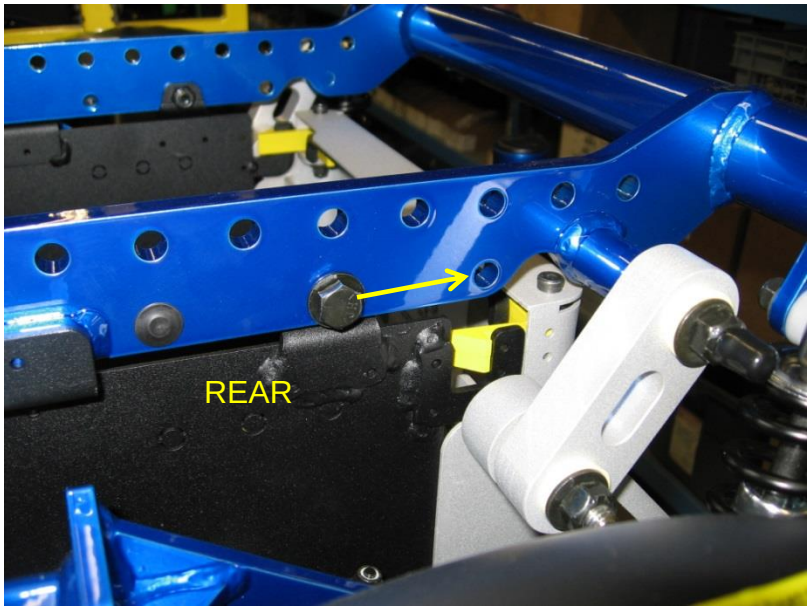
- *Again, the bolts are easy to access and in plain sight. There are three on each side.*



WHEELCHAIR BALANCE ADJUSTMENTS

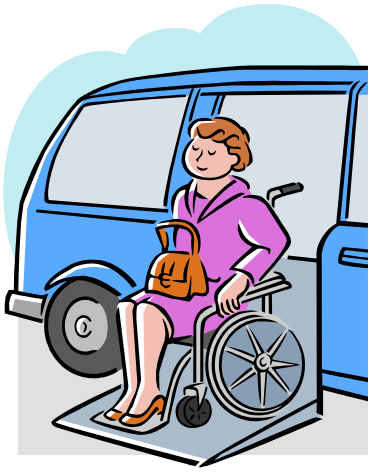
Displayed here are the bolt positions, old and new, for the REAR drive chassis.





WHEELCHAIR BALANCE ADJUSTMENTS

- *Once the modifications are done, we recommend that the owner test the new dispositions of the chair and see if the changes are according to his expectations.*
- *The best way to do that, would be to replicate the situation that brought the problem in the first place.*
- *When you feel that the chair performs well in the problem situation, verify all the nuts and bolts that were removed for tightness and release the chair to the client.*



AMYPOWER™