

# Assembly and Operation Instructions

## 510 Series Seat

### 1. Seat Assembly

- a. The bottom cushion and the back cushion each have 4 mounting bolts already started into them.
- b. Place the bottom of the seat bottom cushion on the keyholes in the steel seat frame – aligning the 4 mounting bolts through the 4 keyhole slots in the seat frame (the long edge of the seat bottom cushion goes towards the front of the seat) – see Figure 1. Slide the seat bottom cushion back in the keyhole slots in the steel frame and tighten the 4 mounting bolts.
- c. Place the back of the seat back cushion on the keyholes in the steel seat frame – aligning the 4 mounting bolts through the 4 keyhole slots in the seat frame (the raised area of the seat back cushion goes up) – see Figure 2. Slide the seat back cushion down in the keyhole slots in the steel frame and tighten the 4 mounting bolts (there are 2 cutouts in the back of the steel frame to give you access to the lower 2 mounting bolts).

### 2. Seat Mounting

- a. There are multiple holes and slots in the base of the seat frame that can be used for mounting the seat to the equipment – see Figure 3.
- b. If you need to remove the seat mounting plate from the steel seat frame to simplify mounting, first remove the seat slide stop bolt – see Figure 4. Doing so will allow you to remove the seat mounting plate. When doing this, make sure you do not lose the 4 seat mount plate slide guides – see Figure 3. The seat slide stop bolt is an 8mm x 1.25mm x 20mm long.  
**NOTE:** If you remove this bolt, it must be reinstalled prior to using the seat.

### 3. Seat Operation

- a. To adjust the seat position front-to-back, raise the seat slide release lever (lower left side – see Figure 5) and slide the seat to the desired position. There are multiple detents available to lock the seat into the desired position.
- b. To adjust the seat suspension weight setting, turn the weight adjustment knob on the top of the back of the seat frame – see Figure 6. There is a scale on the back of the seat frame (just below the knob – see Figure 6) that will give you an idea of where in the weight adjustment range you are at.
- c. There are 3 different positions that the seat angle can be set to. To adjust the angle of the seat, remove the 2 bolts in the side adjustment plates (one on each side of the seat frame – see Figures 7 & 8) and adjust the seat to the angle desired. Once adjusted, reinstall and tighten these 2 bolts.  
**NOTE:** These 2 bolts must be tightened prior to use – even if you are not changing the current seat angle.



Figure 1



Figure 2

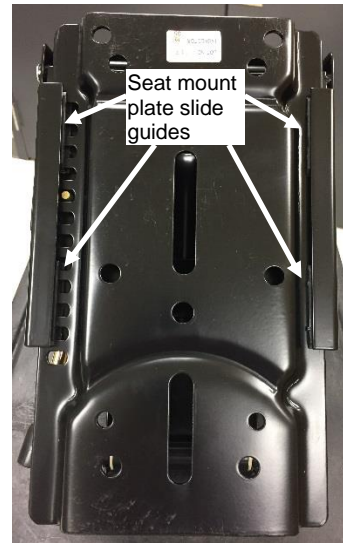


Figure 3



Figure 4

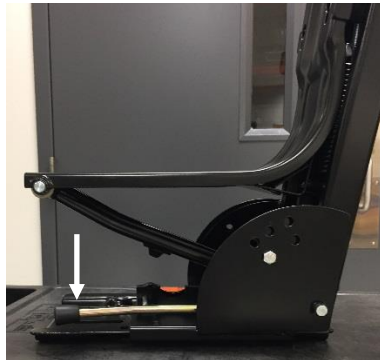


Figure 5



Figure 6

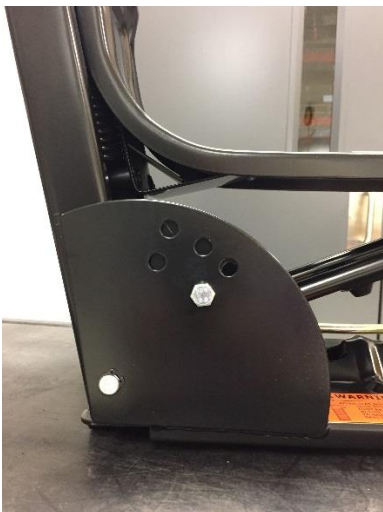


Figure 7



Figure 8