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## Technical Service Bulletin 25

### Walk Through Observer Seat

March 9, 2000 Rev Part # April 15, 2003

#### Parts Needed

Observer seat, E22, 99,00,01Sand – MUP109000425 5 IN STOCK  
 Observer seat, E22, 99,00,01Surf – MUP109000525 4 IN STOCK  
 Observer seat, E22, only Ivory- MUP109000625 4 IN STOCK  
 Observer seat, S22, Surf – MUP0011556 1 IN STOCK  
 Observer seat, X22, Fire&Ice – MUP209000725 4 IN STOCK  
 Observer seat, X22, Cool – MUP209000825 NLA

Qty 1 - Female +Male Brackets – MFA001107	
Qty 19 - #8 Screws – dealbbbbbbbbbber supply	Thumb screw – MDHY600312
Thumb screw receiver – MDHV000203	

#### Tools Needed

Drill	9/64 <sup>th</sup> drill bit	Screw driver
Grease pen	15/32 <sup>nd</sup> Drill bit	

#### WARNING

Always be sure to wear OSHA approved eye protection when using a drill or other rotary tools as these have the potential to throw debris into the air.

### Procedure

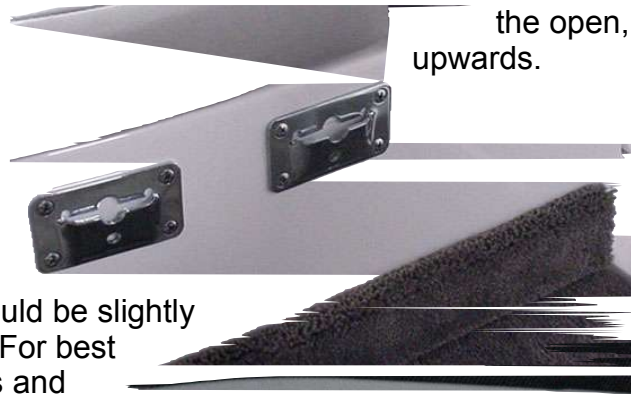
#### Step 1 – Locating Brackets

First, measuring back from the storage box and make marks at 8 ¾” and 11 ½” for the first brackets top screw. The second bracket’s screws are located at 15 ¾” and 18 ½”. Both brackets should be mounted 1” below the top of the observer seat storage box. Next, once you have located and marked the top screw locations for both brackets, hold the brackets up and use the top screw marking to line up the bottom screw positions.

#### Step 2 – Mounting Brackets

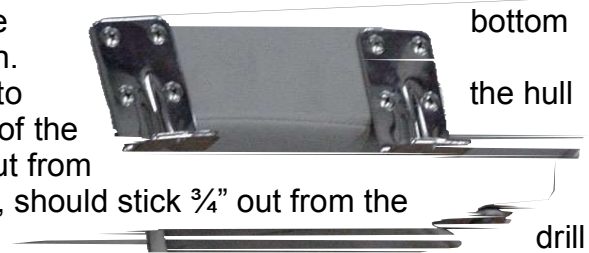
Drill pilot holes for the 8 screws using a 9/64<sup>th</sup> drill bit. Next, clean the dust and grease pen markings off before installing the brackets. Finally, install the two brackets using

the provided screws. Make sure that receiving end, of the bracket is facing



### Step 3 – Installing Brackets on Folding Observer Seat

Due to slight variations in seat construction and minor errors in Step 1, the bracket's locations and depth could be slightly off from the standard measurements. For best results place the clips into the brackets and use a grease pen to mark their locations on the of the seat when it is held in the proper position. The clips that attach the folding observer seat to are positioned at 2 ½" and 9 ½" from the back of the seat. The back clip, at 2 ½", should stick ½" out from the edge of the seat. The forward clip, at 9 ½", should stick ¾" out from the edge of the seat. Use the 9/64<sup>th</sup> drill bit to pilot holes for the screws attaching the clips to the bottom of the seat.



### Step 4 – Positioning Floor Plate

The easiest method for finding the proper position for the floor screw down plate is to fold down the seat's support leg and hook the seat's tabs into the mounting brackets. Once the seat is in its proper position simply drill through the predrilled hole in the chair's support leg into the floor panel using a 15/32<sup>nd</sup> drill bit. Next, remove the seat. Using the hole you just drilled into the floor panel install the floor screw down plate with the three included screws after drilling pilot holes drilled using a 9/64<sup>th</sup> drill bit.



### Step 5 – Install seat.

Reinstall the observer seat in it's brackets and the attach the support leg to the floor plate using the included thumbscrew. Any difficulties in fit can be adjusted by altering the positions of the clips mounted to the bottom of the observer seat.