Guide Block & Fail-Safe Installation

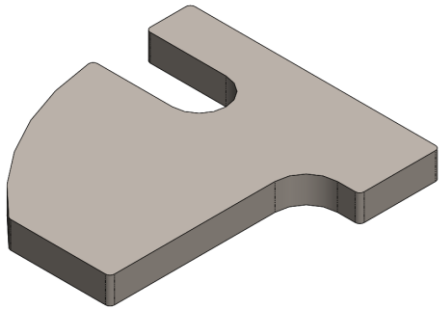
Current Post Design

Components Included

Fasteners Required

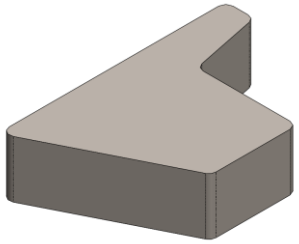
- #128044 (12) 1/4"-20 x 1/2" Long, Socket Head Screw
- #127866 (11) 3/8"-24 x 1/2" Long, Socket Head Screw
- #128039 (1) 3/8"-24 x 3/4" Long, Low-Profile Socket Head Screw

Steel Stop Plates

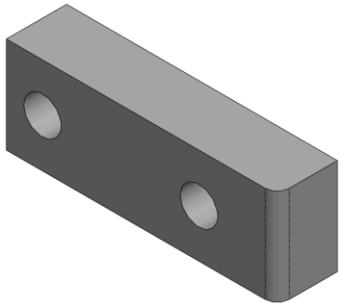


#128088 (2) Lift Side

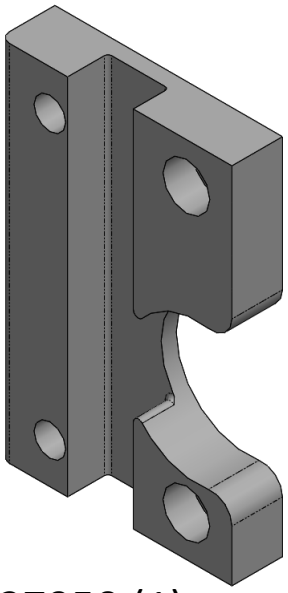
#128089 (2) Support Side



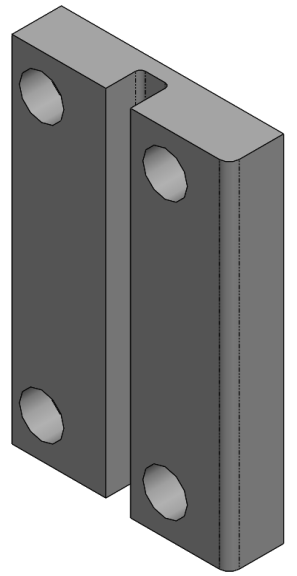
NSM Guide Blocks



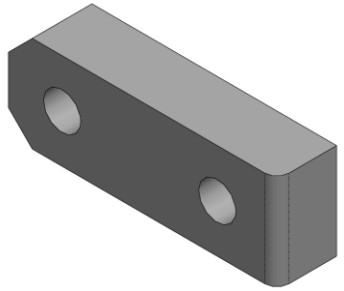
#127952 (2)
Lift Side Back



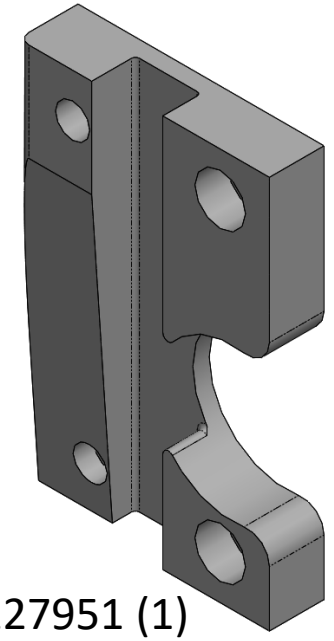
#127950 (1)
Front Support Side



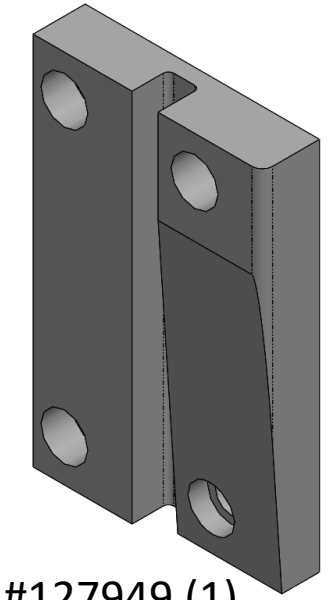
#127948 (1)
Front Lift Side



#128442 (2)
Support Side Back



#127951 (1)
Rear Support Side



#127949 (1)
Rear Lift Side

1. Remove all guide blocks & safety cover plates from the lift cross-beams.
2. Lift the platform so that the bottom tapped hole in the front plate of the front cross-beam is exposed through the post access hole as shown in *Figure 1*.
3. Use a “Q” drill bit to enlarge the diameter of the front side hole shown in *Figure 1*.
   - Then Tap this hole using a 3/8”-24 ***fine thread*** tap.
4. Lower the platform so that the top tapped hole in the front cross-beam is exposed through the post access hole as shown in *Figure 2*.
5. Use a “Q” drill bit to enlarge the diameter of the front side hole shown in *Figure 2*.
   - Then Tap this hole using a 3/8”-24 ***fine thread*** tap.
6. Use a “Q” drill bit to enlarge the diameter of the 2 holes outside the post shown in *Figure 3*.
   - Then Tap these holes using a 3/8”-24 ***fine thread*** tap.
7. Repeat steps 3-6 for the front plate of the rear lift side cross-beam.
   - *Please note that only the plates on the cross beams towards the front should be modified. The plates on the cross beams towards the rear will still use the ¼” holes and will not need to be modified.*

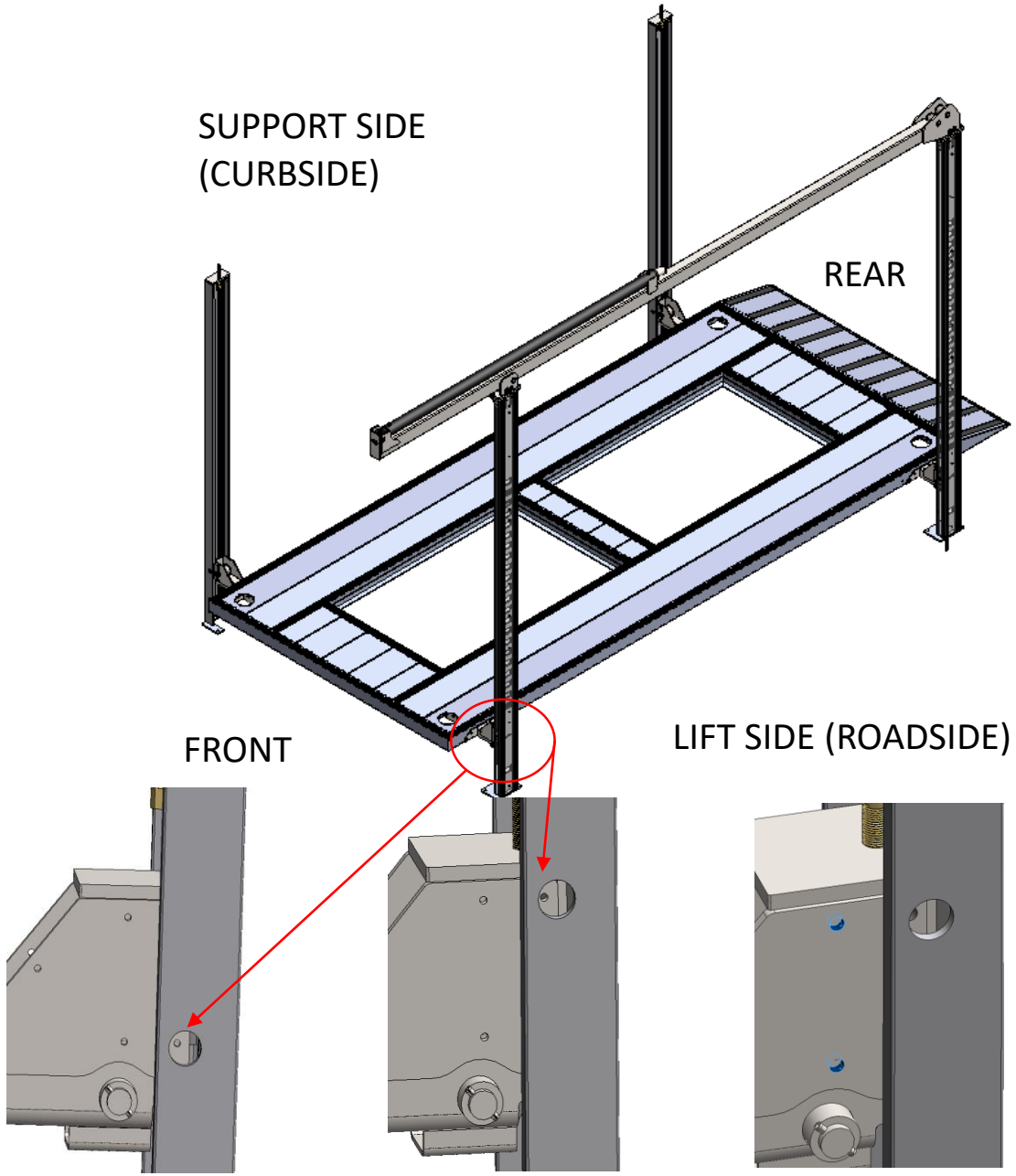


Figure 1 *Figure 2* *Figure 3*

8. Move to the front plate on the front support side cross-beam.
9. Use a “Q” drill bit to enlarge the diameter of the 2 holes outside the post shown in *Figure 4*.
    - Then Tap these holes using a 3/8”-24 ***fine thread*** tap.
10. Repeat step 9 for the front plate on the rear support side cross-beam.
    - *Please note that the support side holes inside the post will not change.*
11. Install the new guide blocks provided starting with the Front Support Side & Rear Support Side as shown in *Figure 5* below.
    - *Please note that the Rear Support Side guide block should have a Chamfered face.*
    - Use the 1/4"-20 x ½” screws for the holes **inside** the post to fasten the blocks to the cross-beam.
    - Use the 3/8”-24 x ½” screws for the holes **outside** the post to fasten the blocks to the cross-beam.

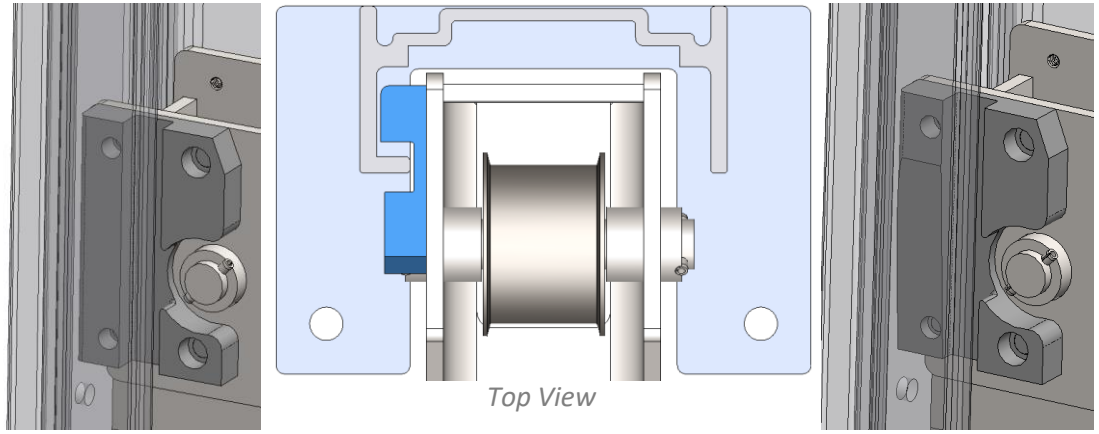
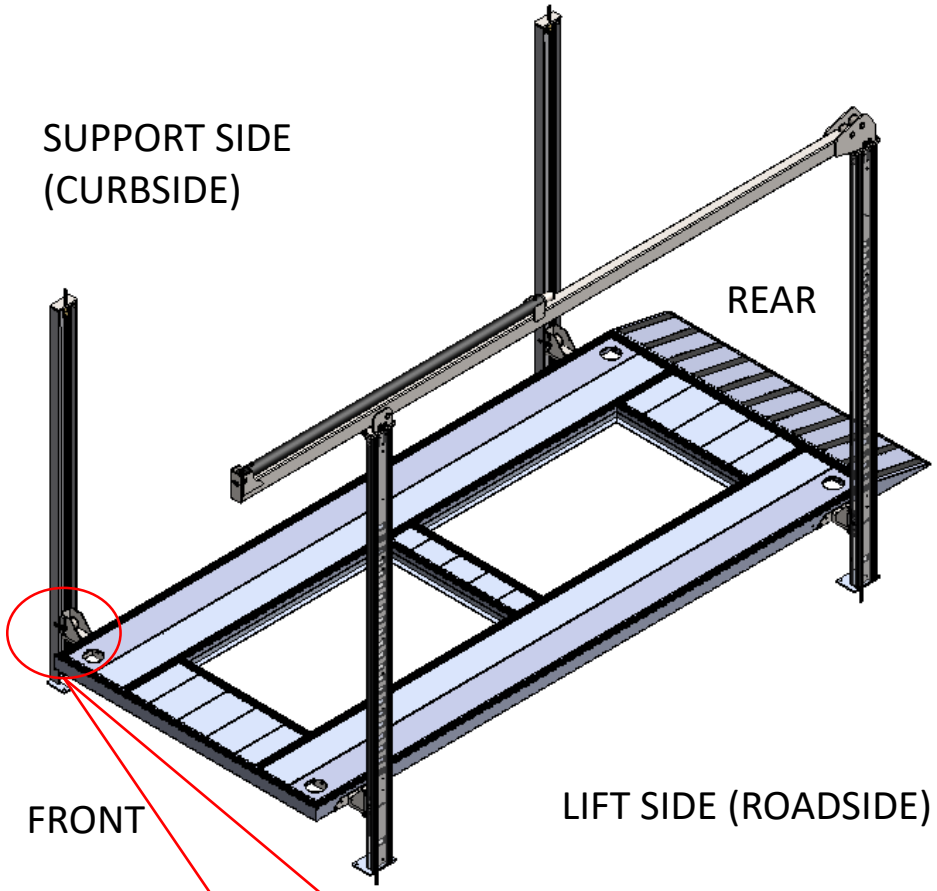


Figure 5



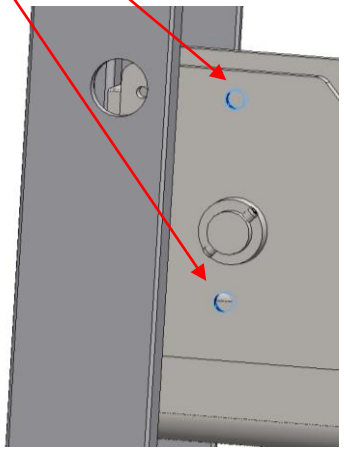


Figure 4

12. Install the Front Lift Side & Rear Lift Side guide blocks as shown in *Figure 6*.
    - Please note that the Rear Lift Side guide block should have a Chamfered face.
    - Use the 3/8"-24 x 3/4" Low-Profile screw for the Rear Lift Side guide block in the bottom hole inside the post with the chamfered face.
    - Use the 3/8"-24 x 1/2“ screws in the remaining holes to fasten the blocks to the cross-beam.
13. Install the smaller back side guide blocks to the rear side of all beams into the **bottom** holes as shown in *Figure 7*.
    - Please note that the Support Side Back blocks should have a chamfered end.
    - Use the 1/4"-20 x 1/2" Screws to fasten the blocks to the cross-beam.
14. Verify all fasteners are tightened and the guide blocks sit flush against the cross-beam.
15. Test fit the support side stop plate on the back plate of the front support side cross-beam and the rear support side cross-beam as shown in *Figure 8*. The top of the stop plate should be approximately 1 ¼” down from the top of the cross-beam plate, and the face parallel with the post channel should be 3/16” away from the post as shown in *Figure 9*. Mark the outline of the support side stop plate.
16. Use a Bandfile or an angle grinder to remove the powder coat around the marks from the support side stop plates on the back plate of the front support side cross-beam and the rear support side cross-beam to prep the surface for welding.
17. **With the platform lowered to the floor**, install the support side stop plates in the same location shown in *Figure 9* by welding the top, around the outside vertical edge, and the bottom of the stop plate.

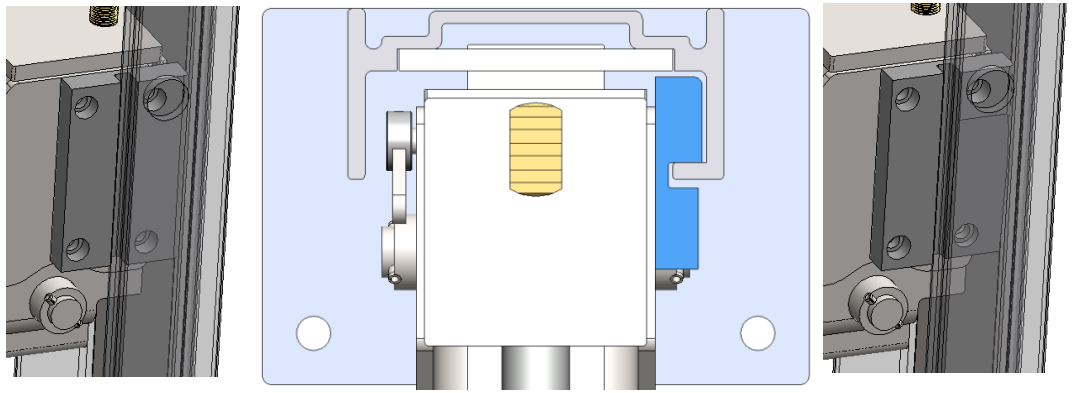


Figure 6

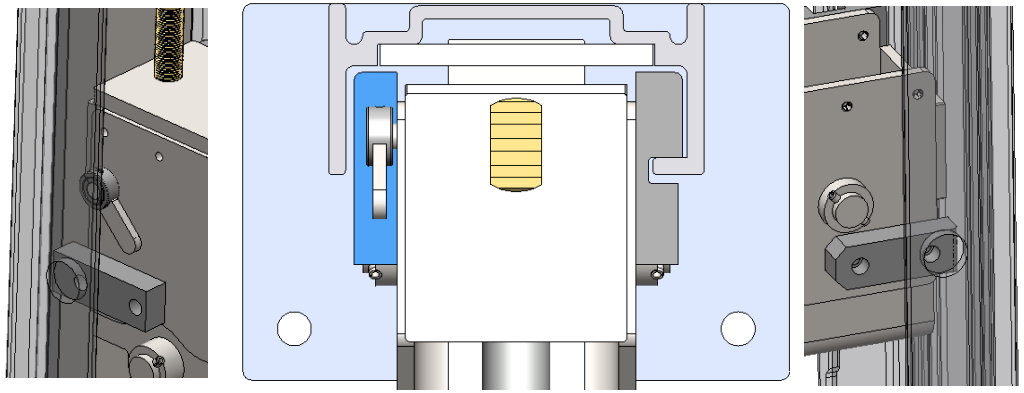


Figure 7

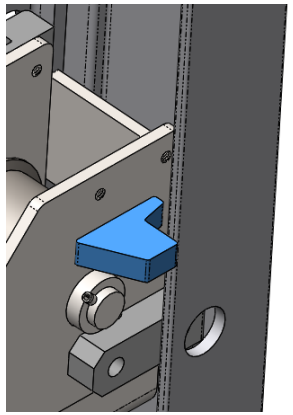


Figure 8

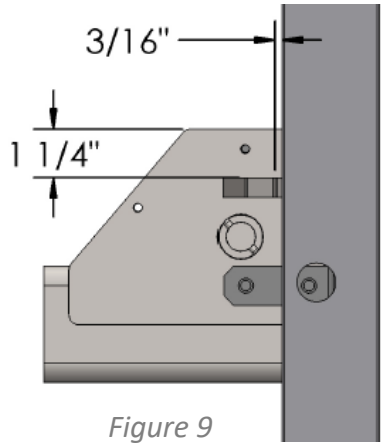


Figure 9

18. Loosen the top chain anchor 5/8” nut on the front lift side cross-beam and the rear lift side cross-beam as shown in *Figure* 10.

19. Test fit the lift side stop plate on the top plate of the front support side cross-beam and the rear support side cross-beam by tilting the plate up inside the post and then sliding it down with the slot around the anchor as shown in *Figure 11*. Mark the outline of the lift side stop plate around the large radius edge and the slot, then remove the plate.

20. Use a Bandfile or an angle grinder to remove the powder coat from the top face of the top plate around the marks on the front lift side cross-beam and the rear lift side cross-beam to prep the surface for welding.

21. Install the lift side stop plate on the front lift side cross-beam and the rear lift side cross-beam by tilting the plate up inside the post and then sliding it down with the slot around the anchor. Place the stop plate so that the edges highlighted in *Figure 11* are flush with the existing top plate.

22. Verify that the edges of the lift side stop plate do not extend past the guide block as shown in *Figure 12*, so that the block always contacts the post before the plate. Then tighten the 5/8” nut on top of the stop plate.

23. With the lift side stop plate in position, weld around the highlighted edges shown in *Figure 13* for the front lift side cross-beam and the rear lift side cross-beam.

24. Clean the steel stop plates and around the welded surfaces. Finish by painting the steel stop plates and touch up other surfaces as needed.

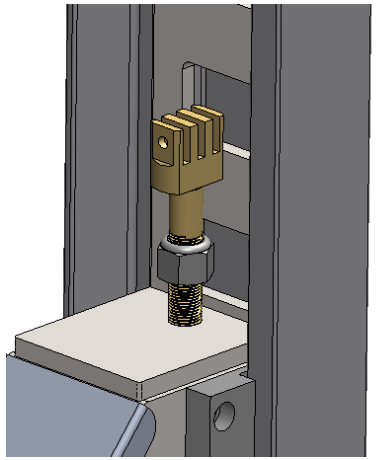


Figure 10

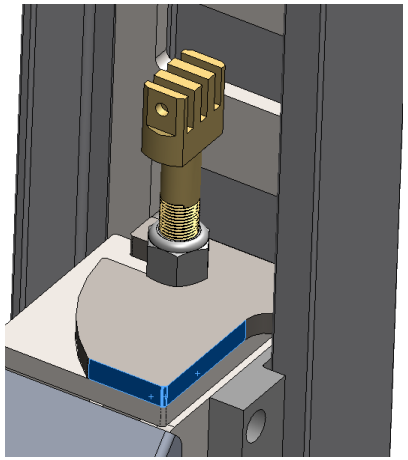


Figure 11

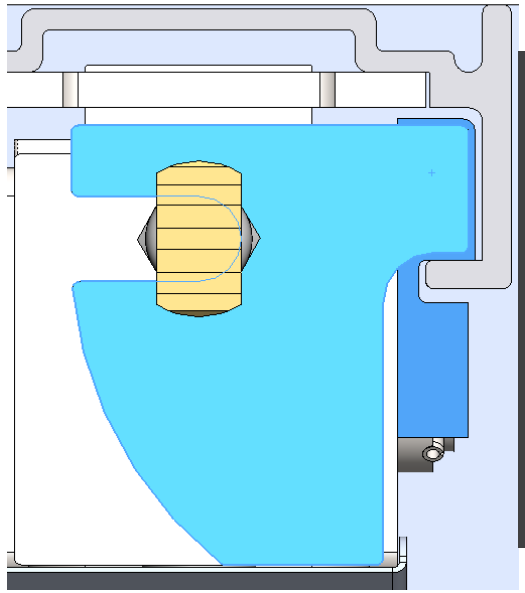


Figure 12

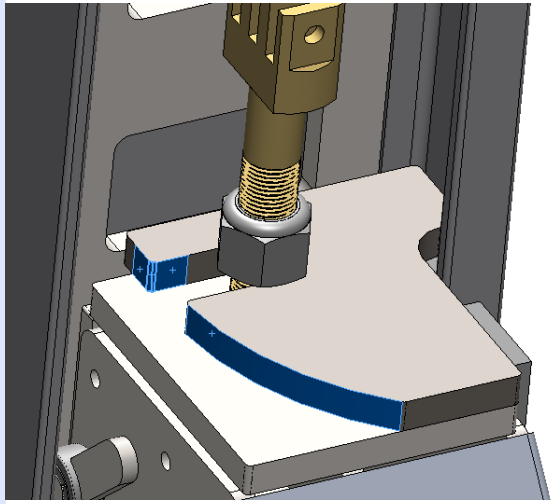


Figure 13