

JAMES WEBB SPACE TELESCOPE

1/48th-1/24th printable scale model



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The James Webb Space Telescope (JWST) is a space observatory dedicated to infrared observation of the universe. Developed by NASA in collaboration with the European Space Agency (ESA) and the Canadian Space Agency (CSA), it was launched from the Kourou Space Center on December 25, 2021, by an Ariane 5 ECA rocket.

During its journey to L2 orbit, where it arrived on January 24, 2022, at 8:04 p.m., it perfectly deployed all its components, including the heat shield, and the primary and secondary mirrors. While its instruments cooled to their optimal temperature, opticians aligned the segments of the primary mirror to obtain a perfect image. The final step, "In-Flight Acceptance Testing" (or "Commissioning"), ensured the perfect functioning of the observatory and its four instruments. On July 12, 2022, the James Webb Telescope finally unveiled its first breathtaking images to the public.

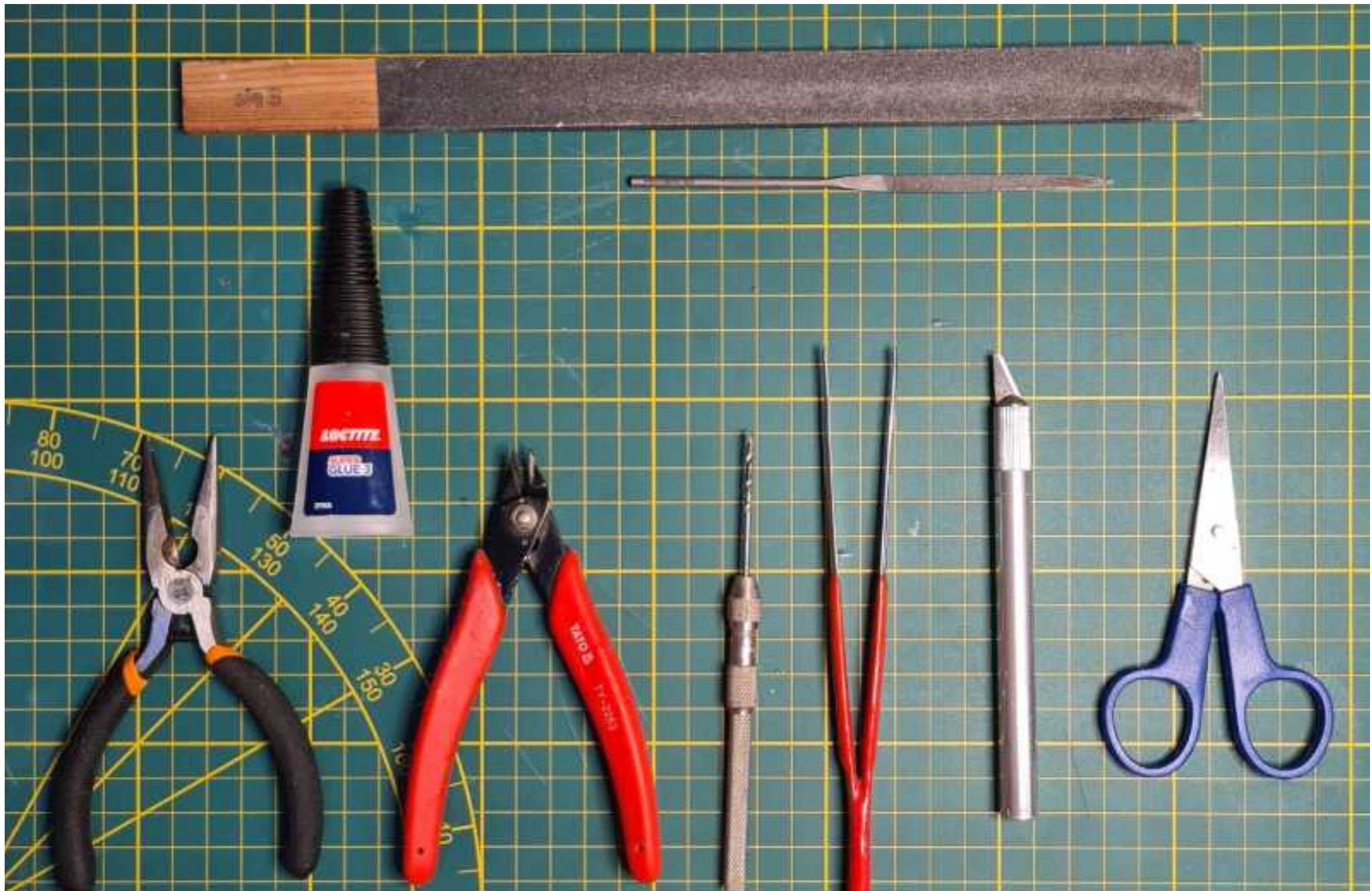
Find here all the assembly steps for this 1/48th and 1/24th scale printable model, presented in a single, detailed format.

There are no fewer than 100 parts to print and assemble.

Some parts are very thin or complex. Embark on this adventure only if you are already proficient in 3D printing and don't mind the meticulous assembly process!

Tools required :

cyanoacrylate glue, fine tweezers, 2 mm drill bit, File, Cutter, Scissors, wire cutters



Part designation :

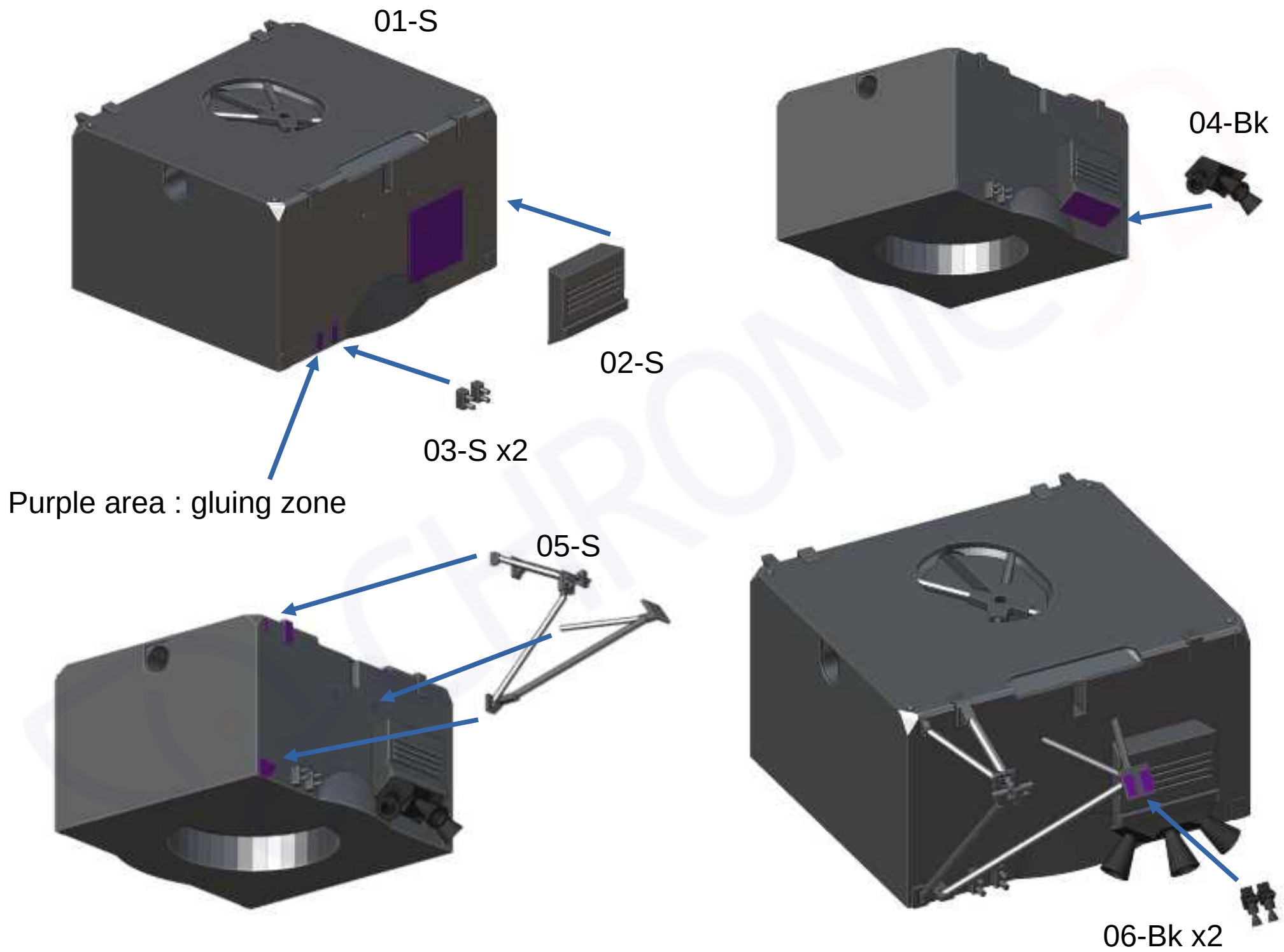
JWST148-22-Bk x4

James Webb Space Telescope
148 : 1/48th scale
124 : 1/24th scale

Number

Color :
Bk : Black
Be : Blue
Go : Gold
S : Silver

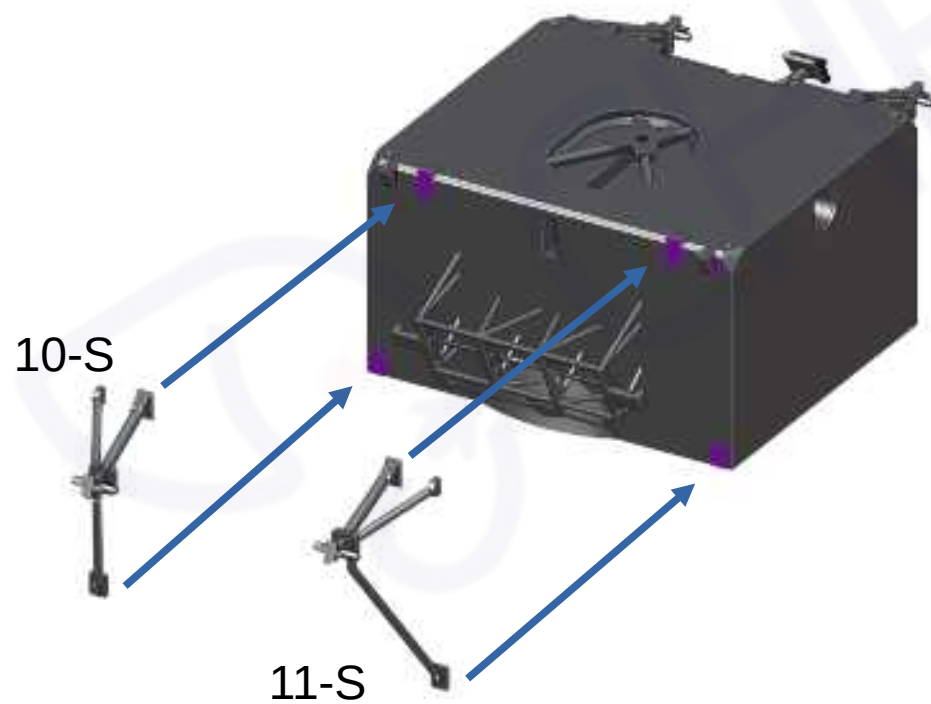
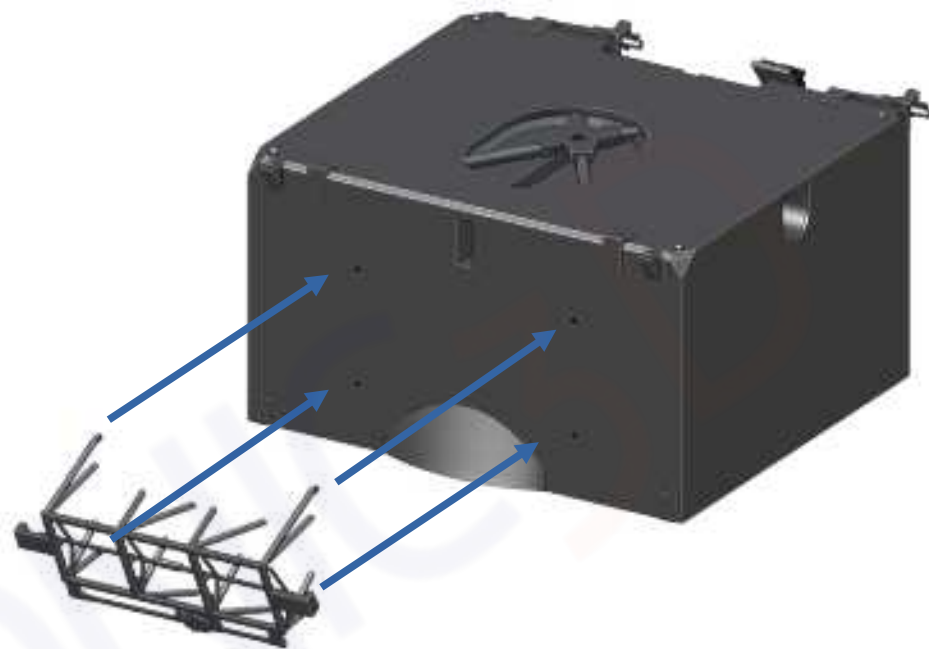
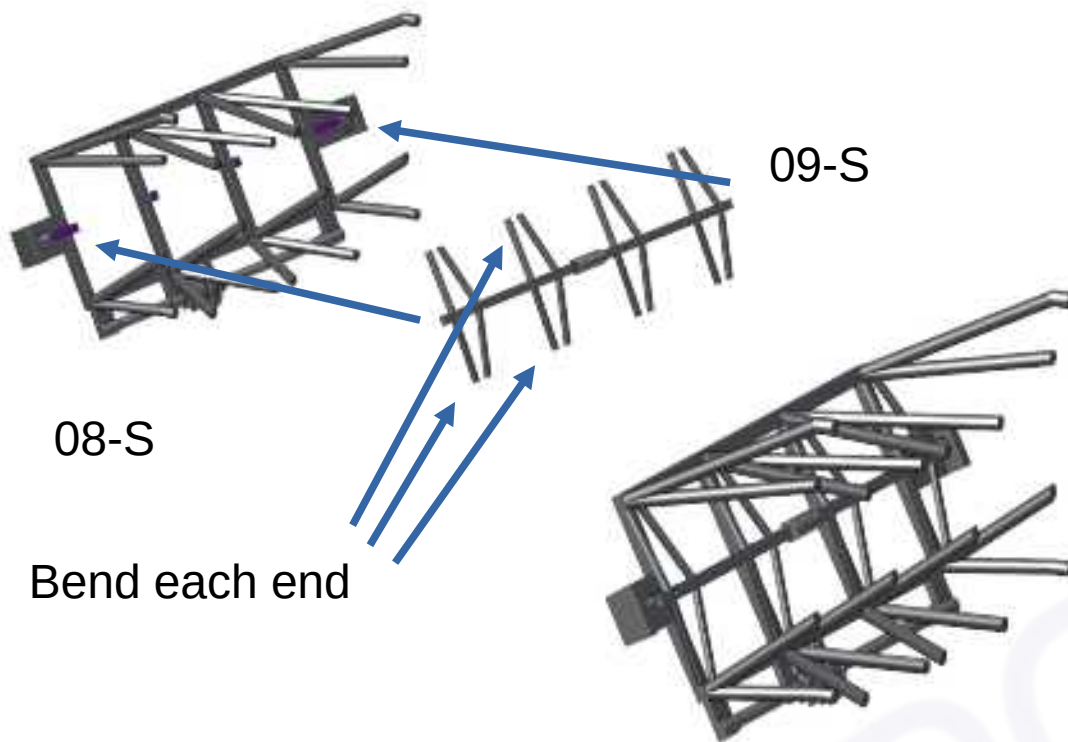
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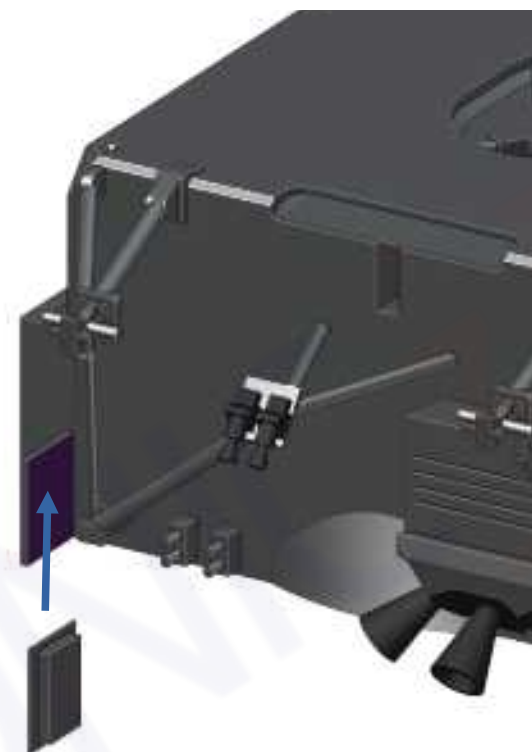
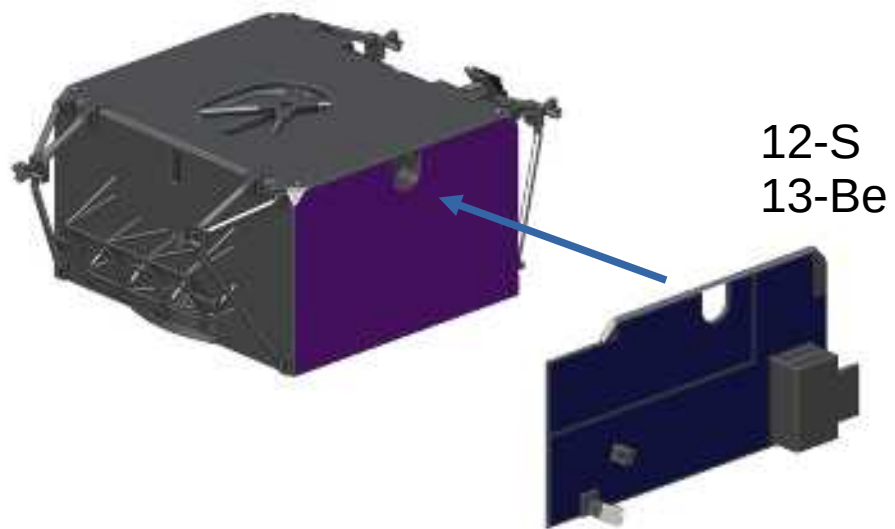


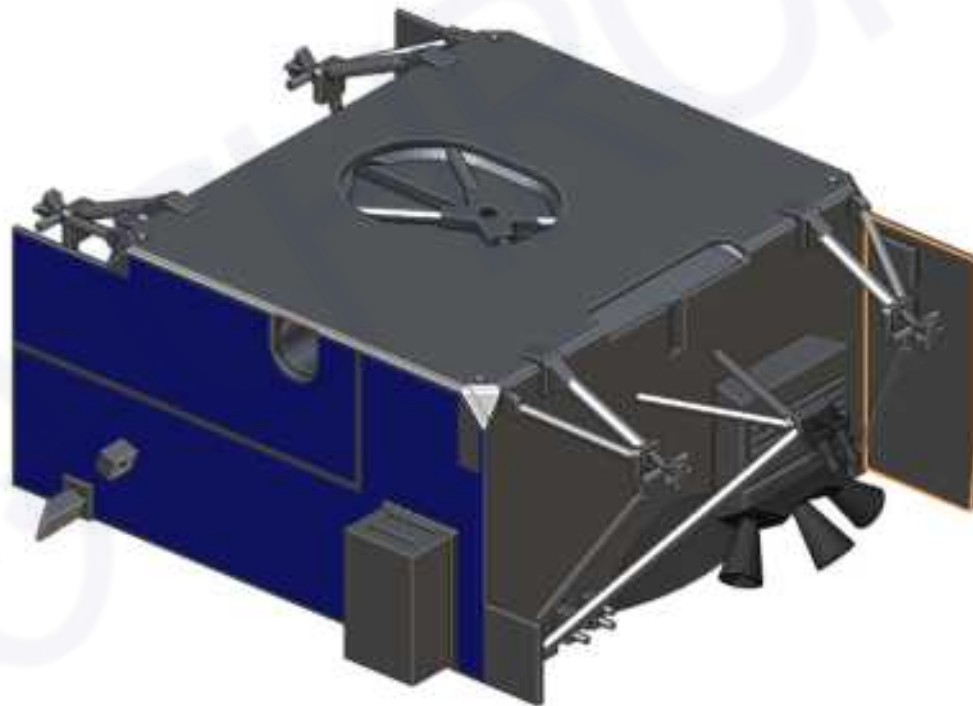
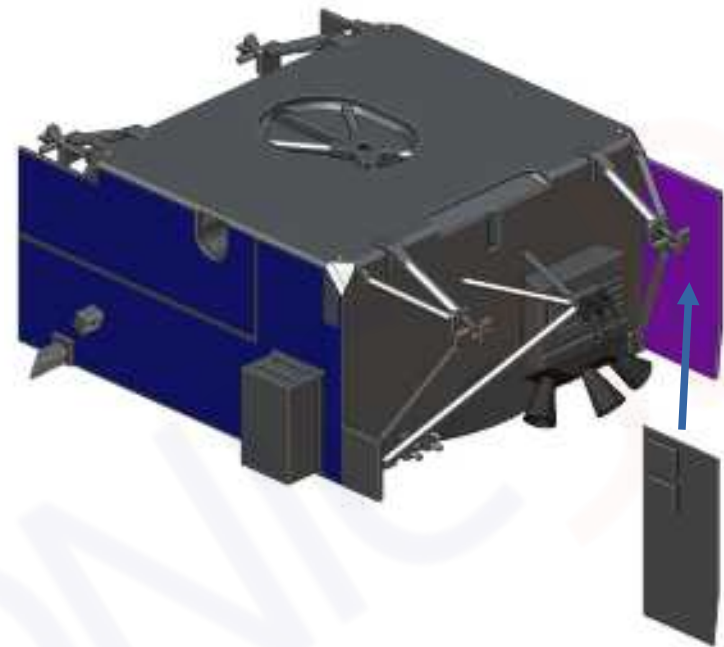
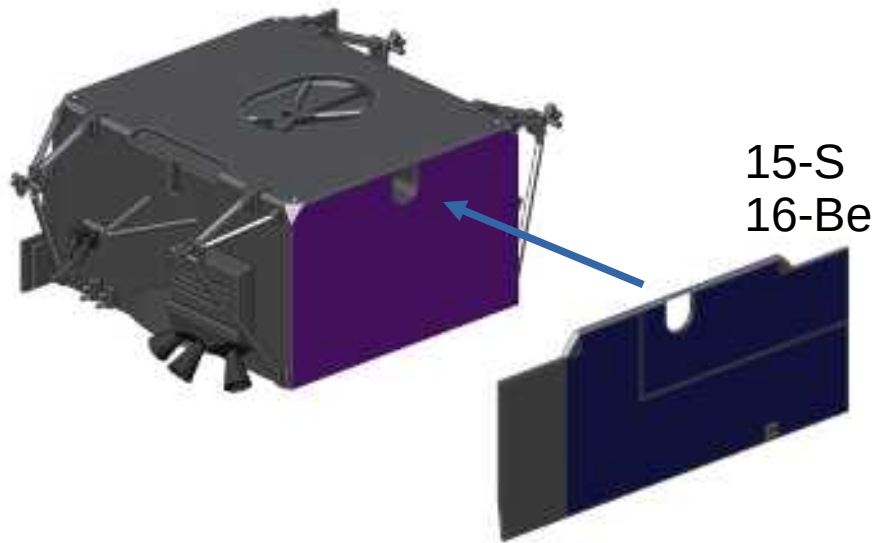


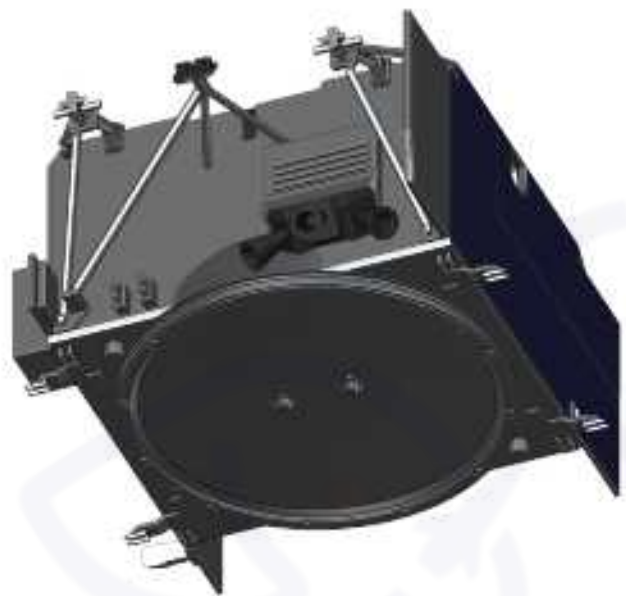
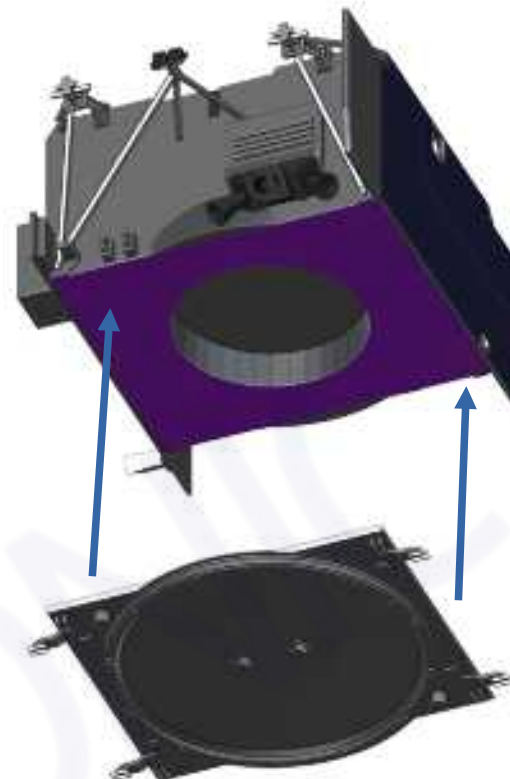
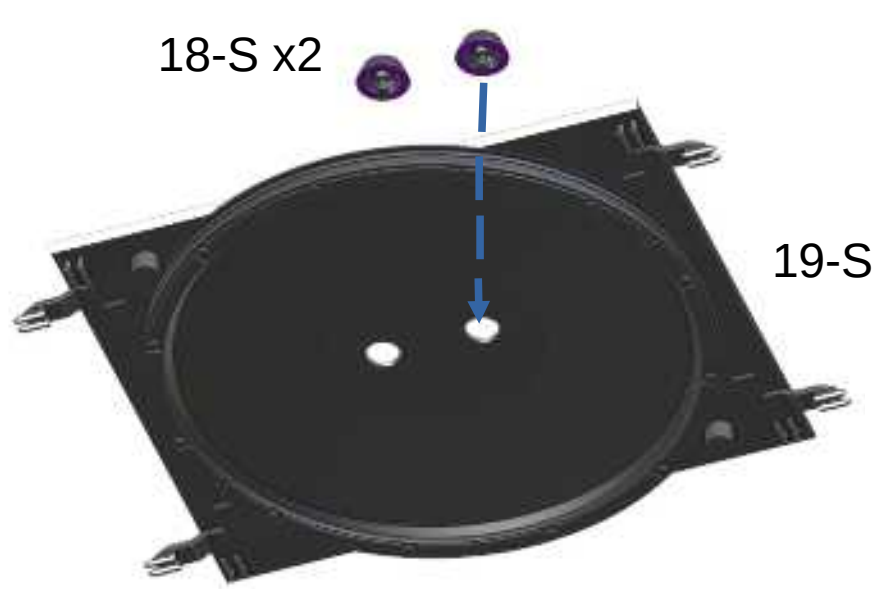
07-S



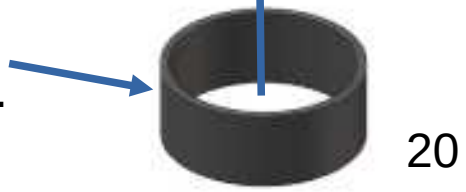


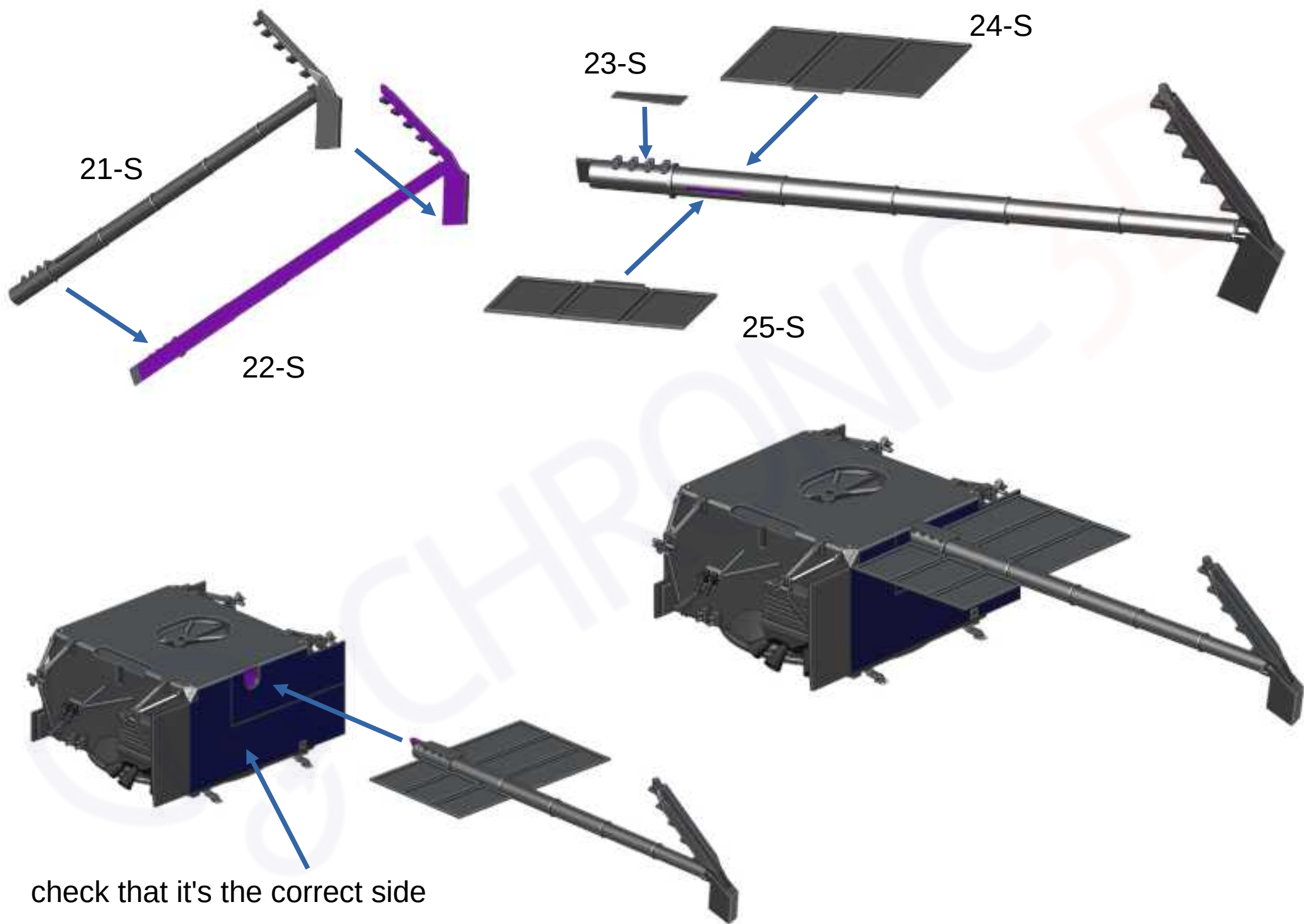


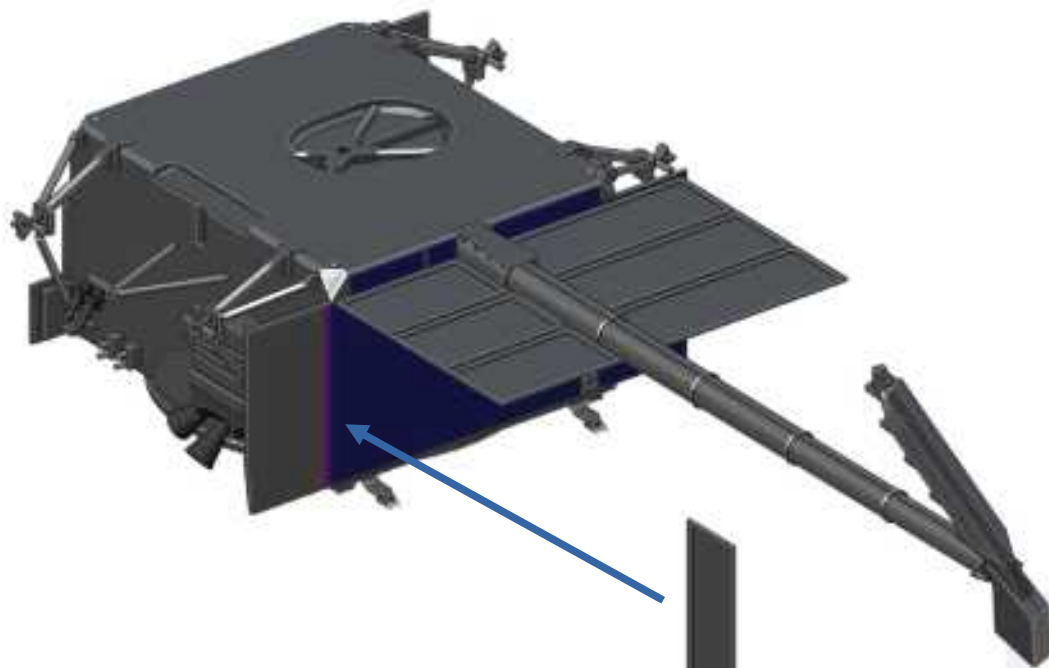




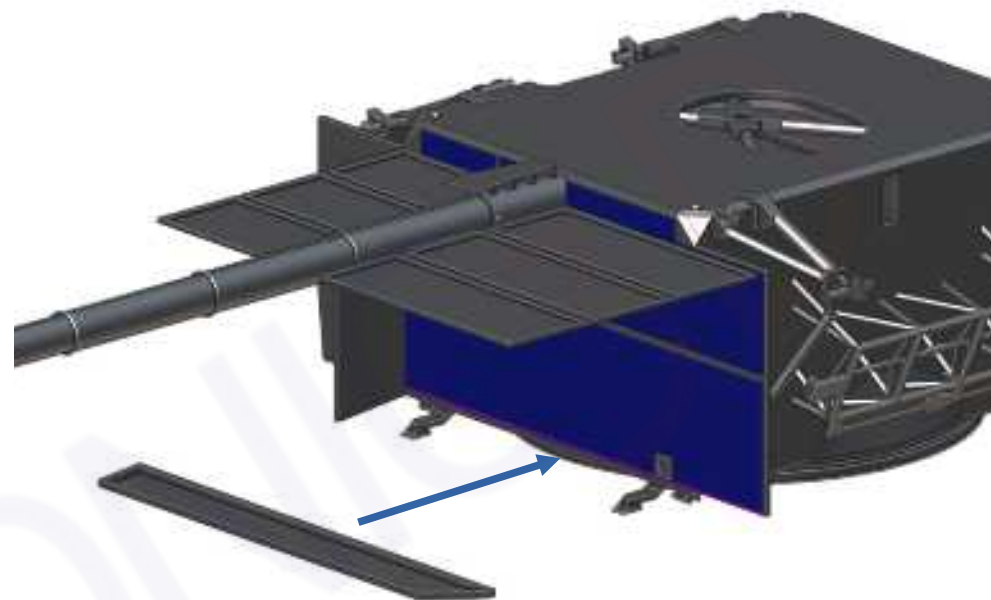
Use this support without gluing it to position your model during assembly.



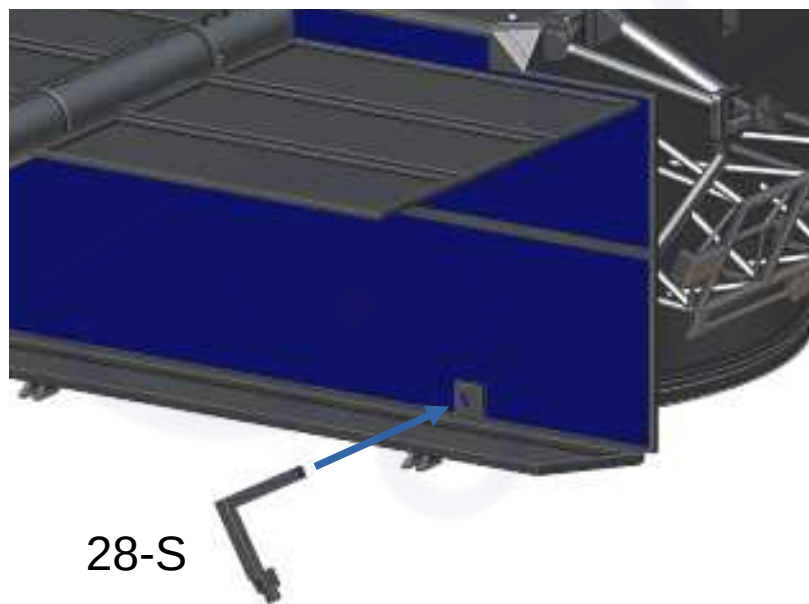




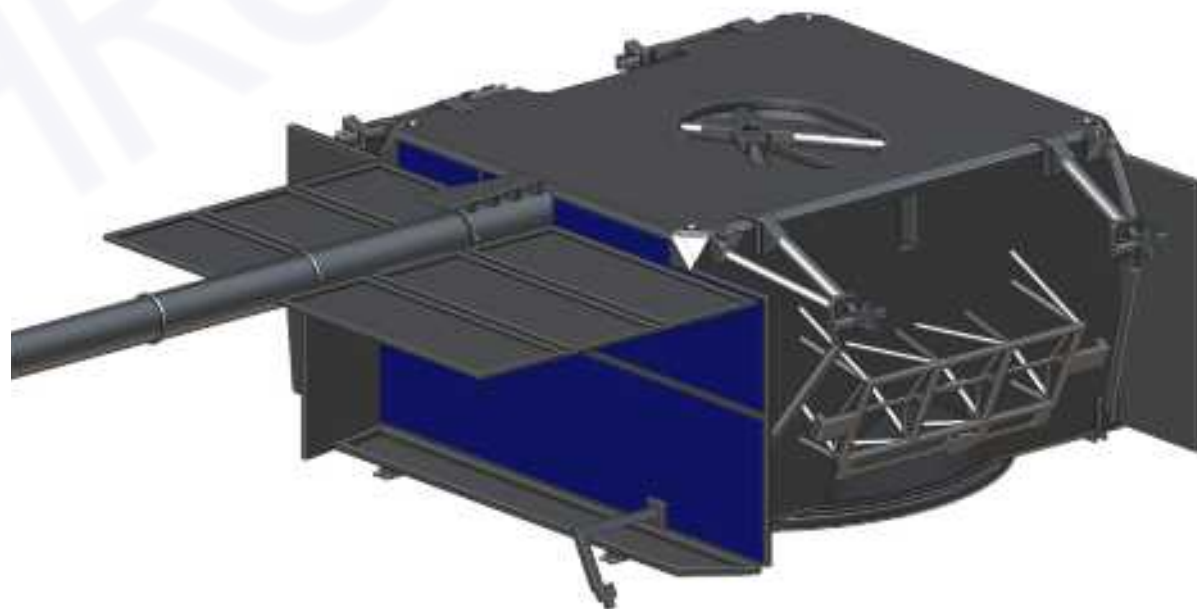
26-S

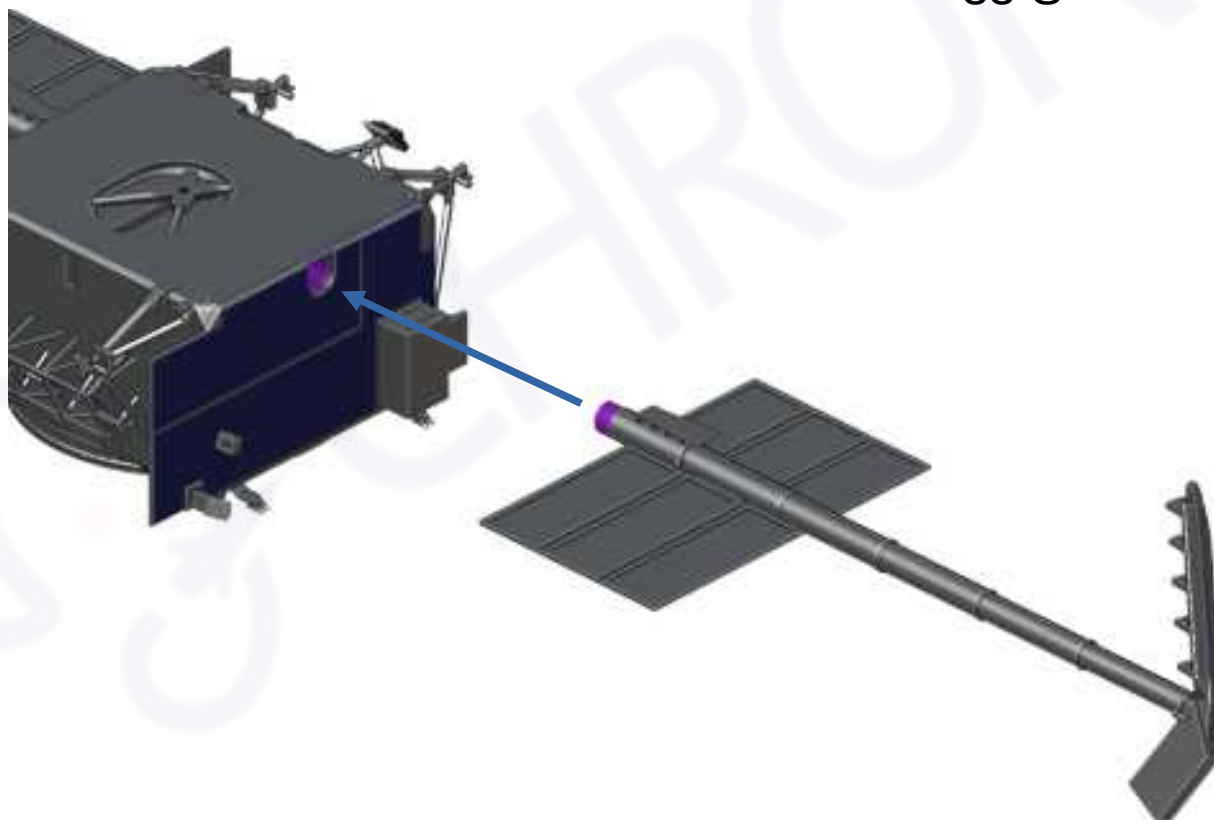
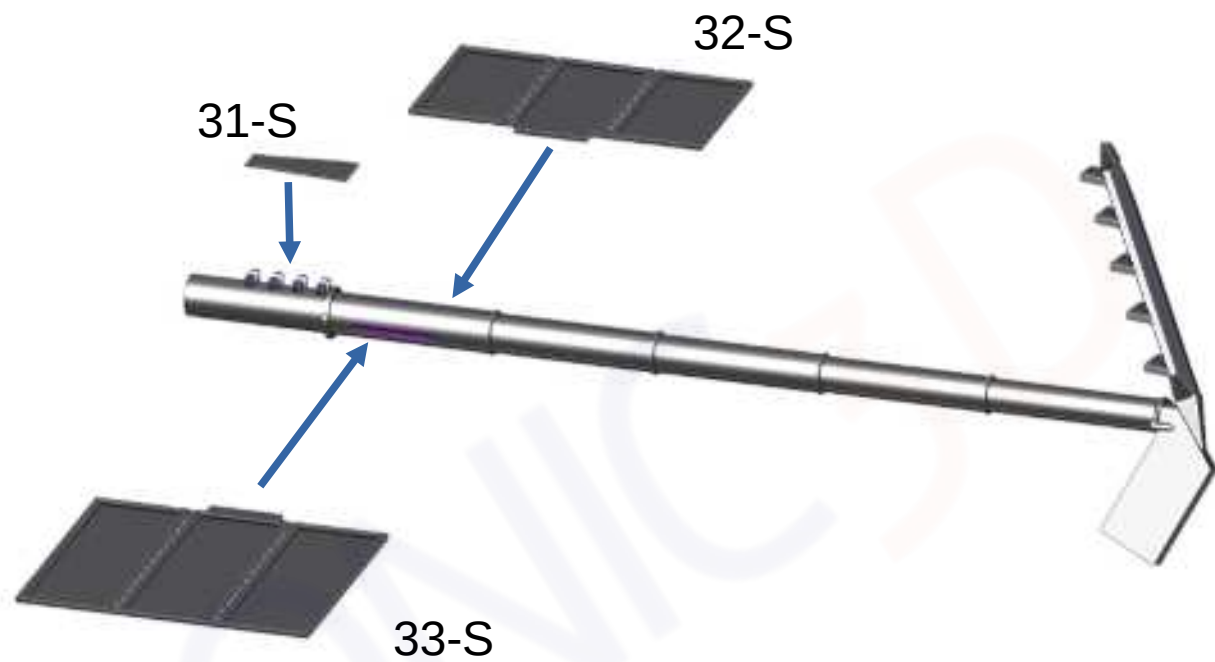
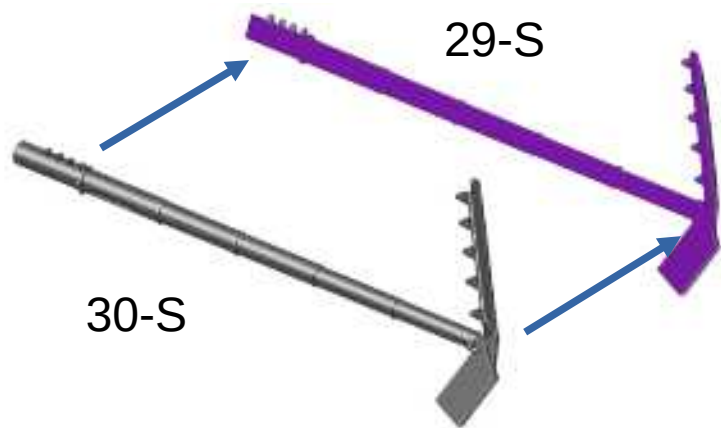


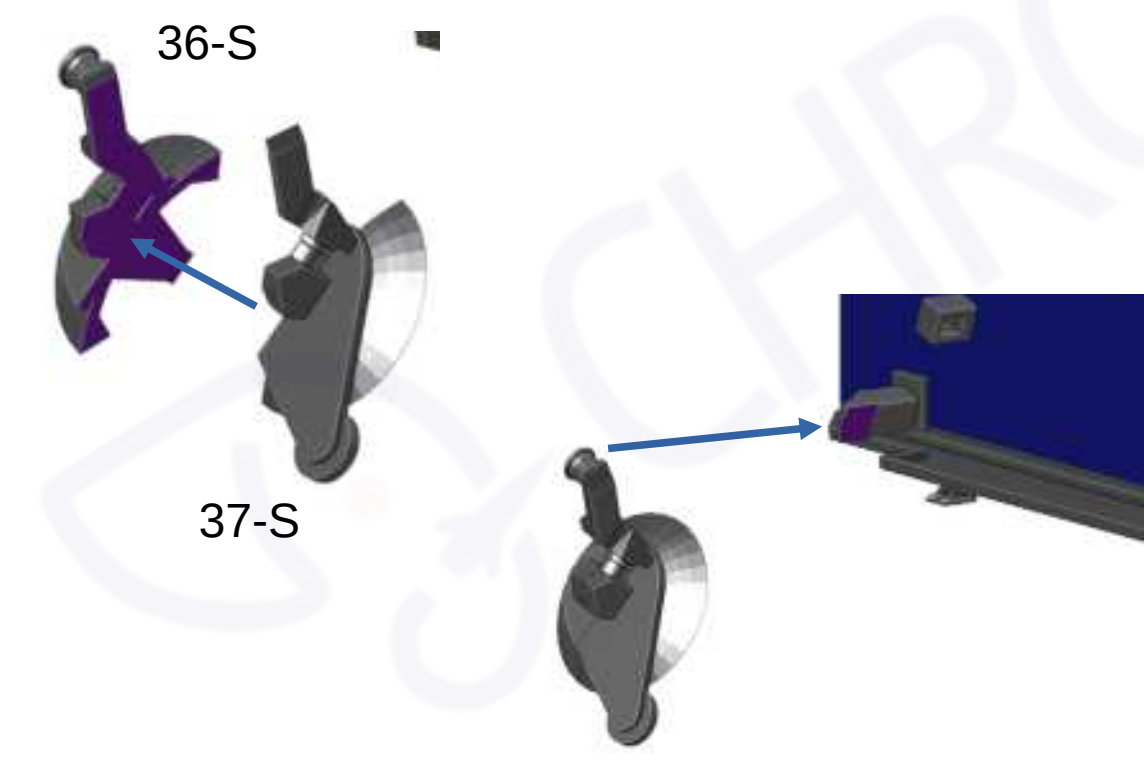
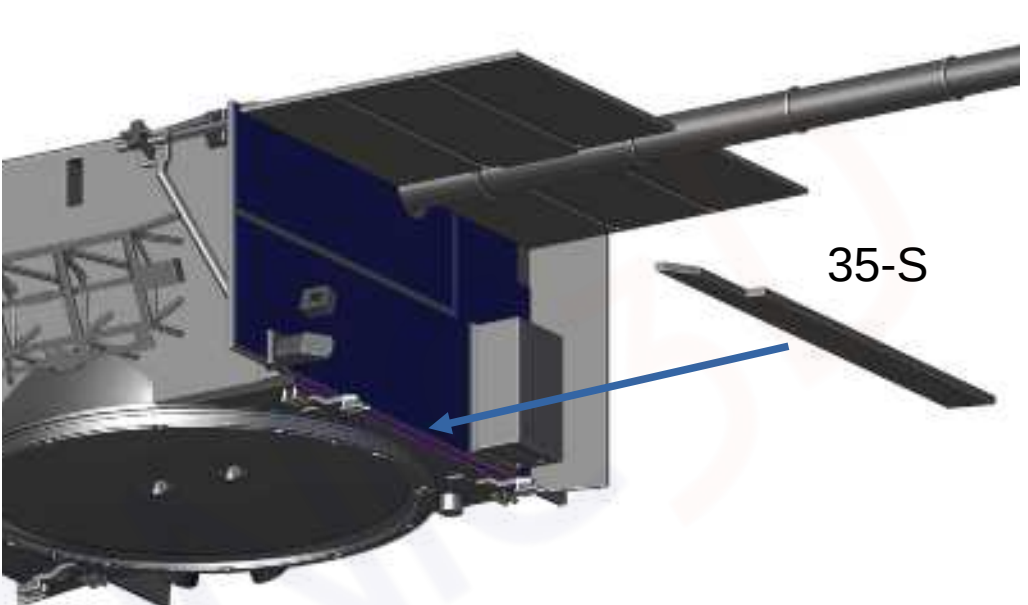
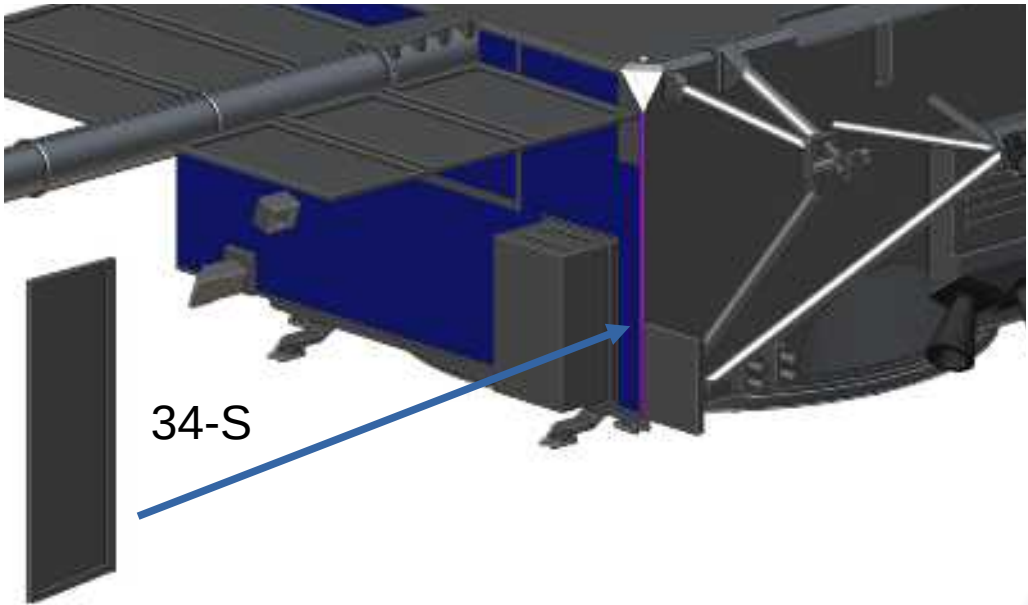
27-S

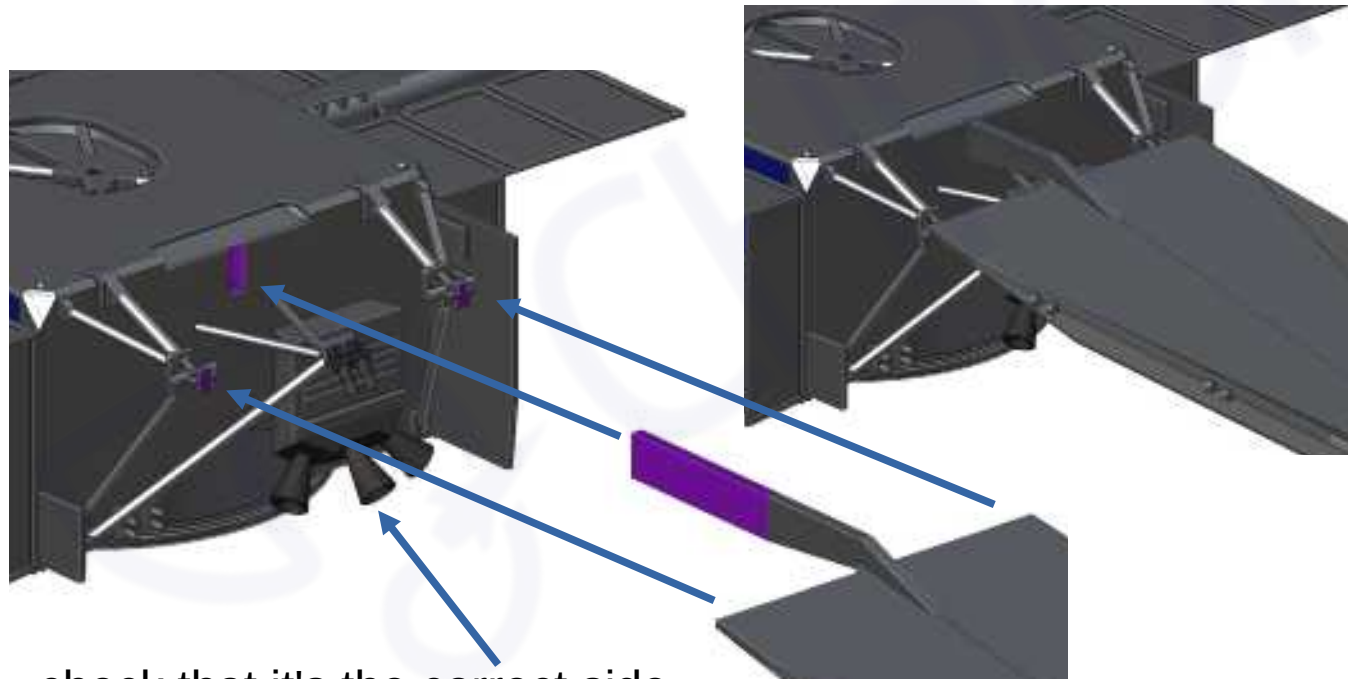
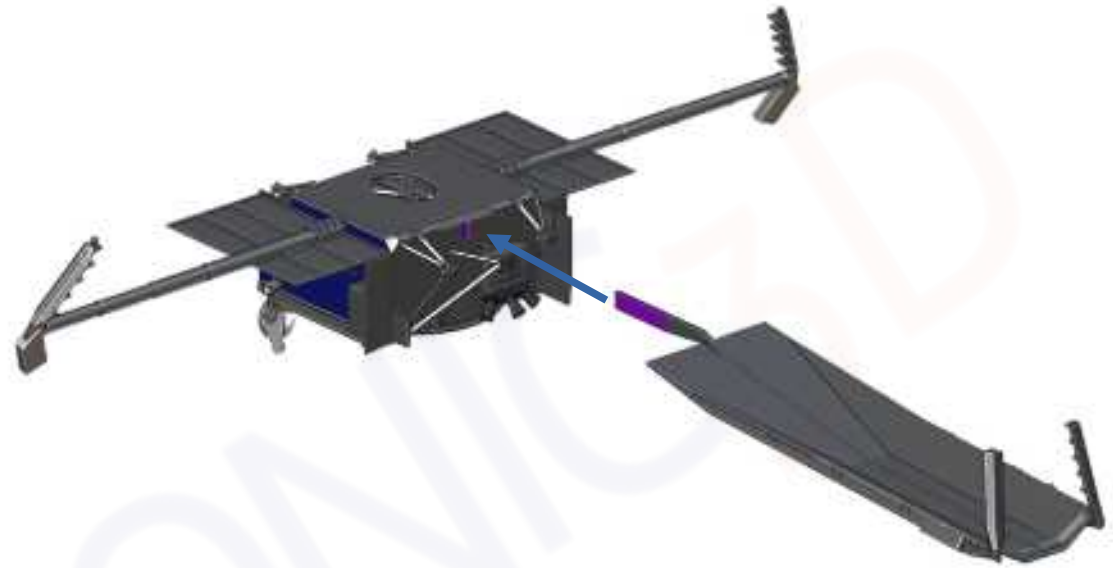
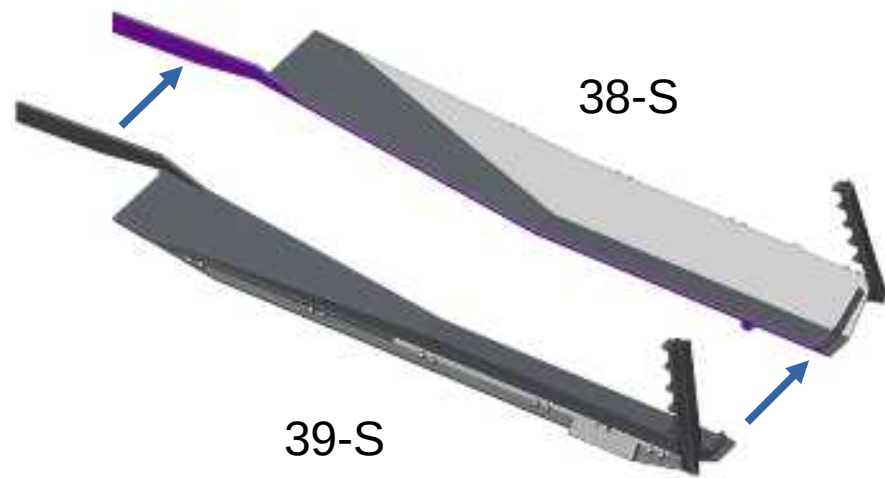


28-S

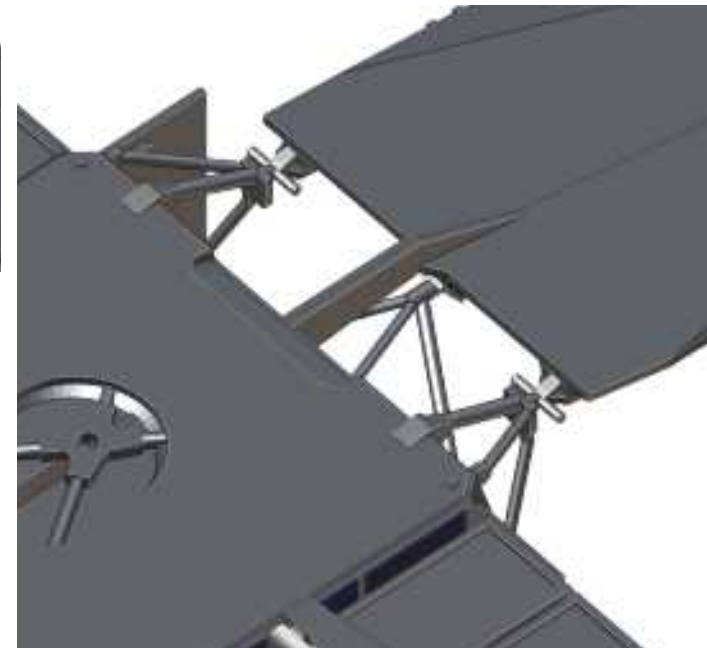


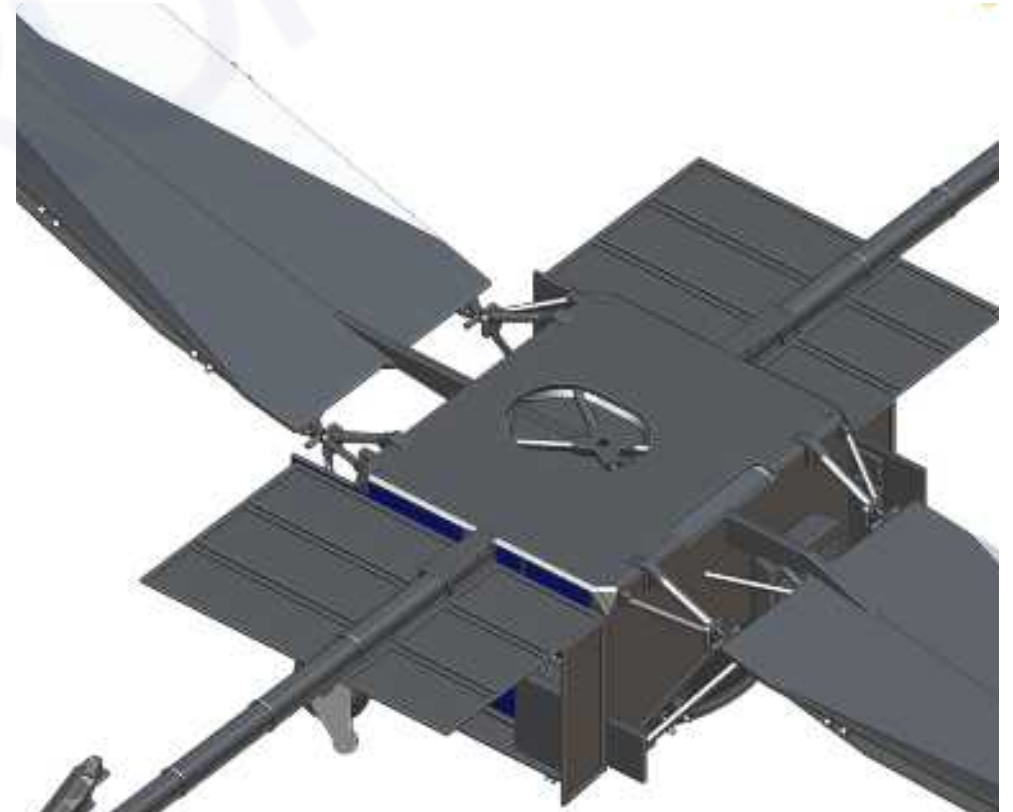
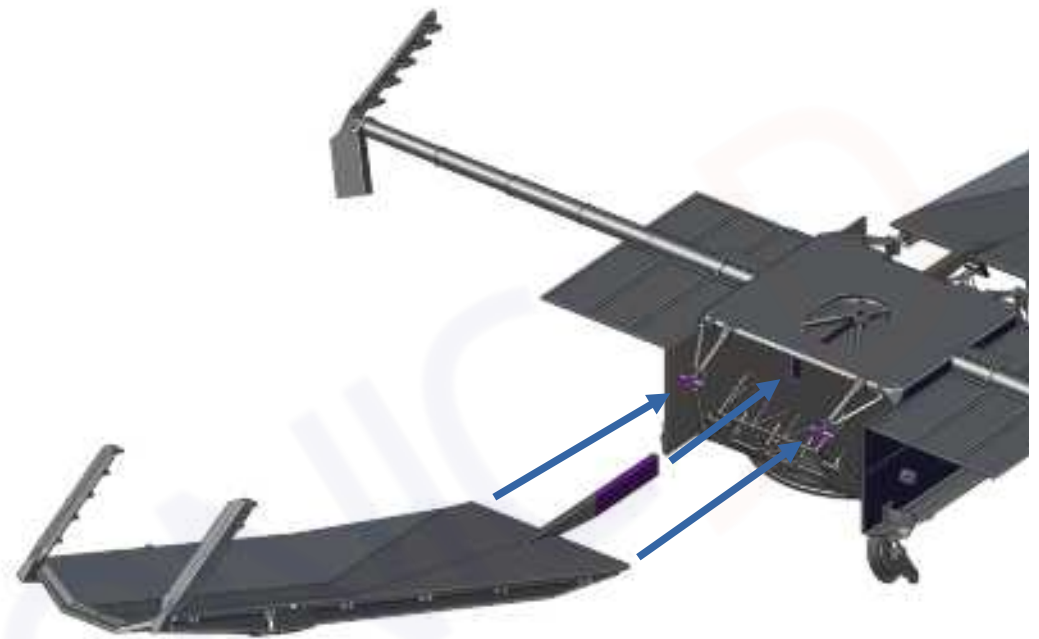
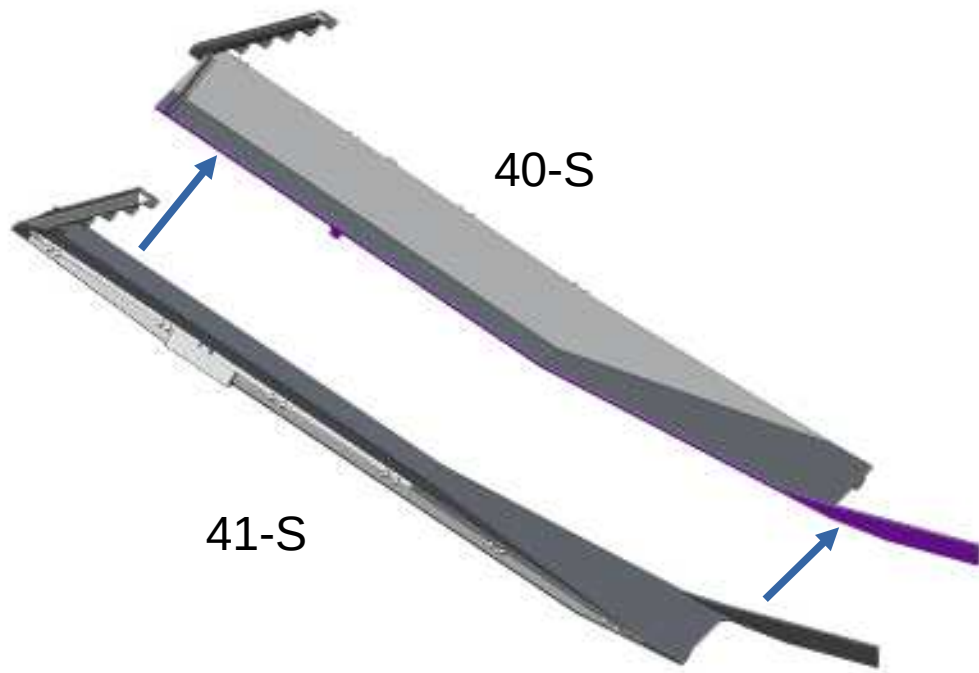






check that it's the correct side

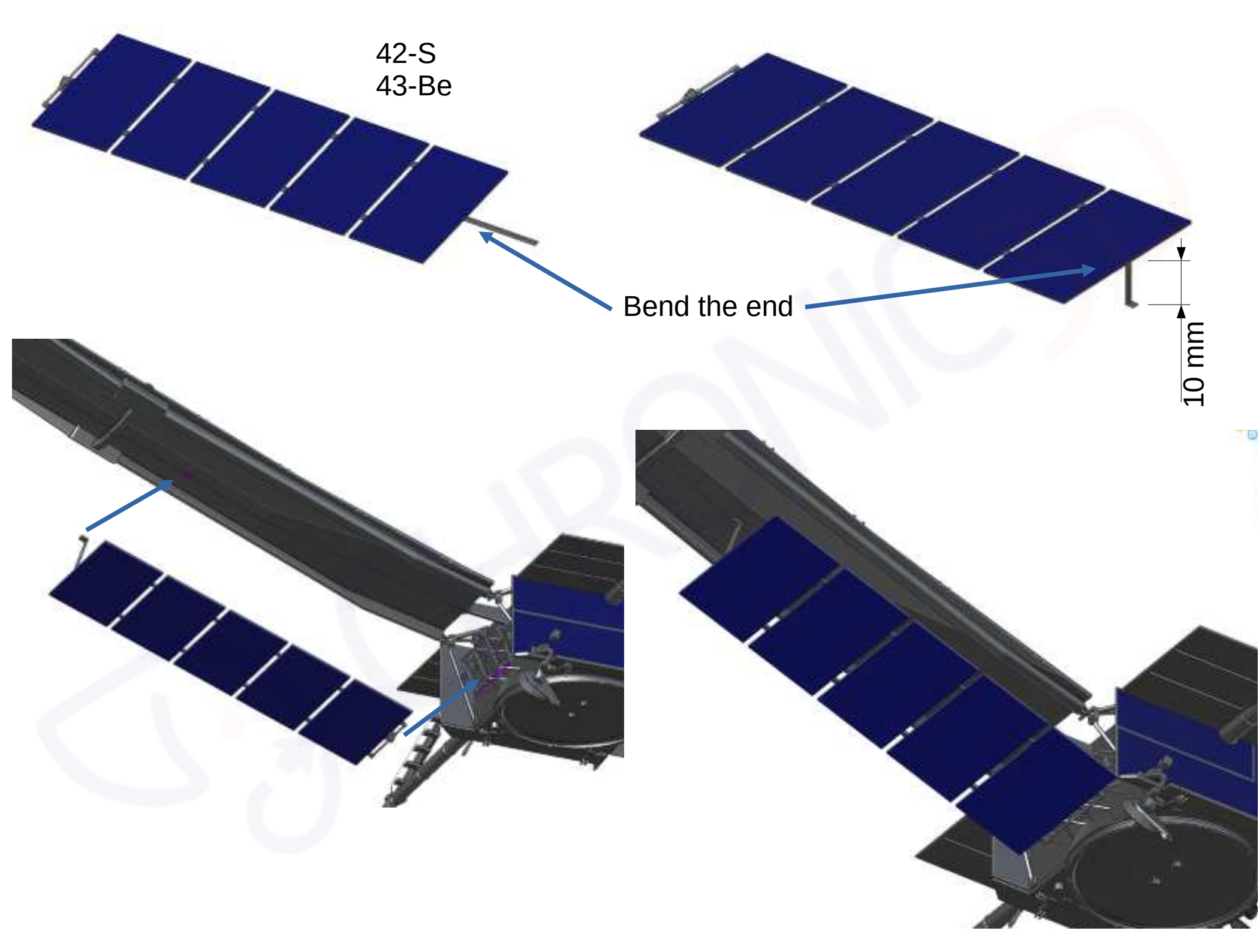




42-S
43-Be

Bend the end

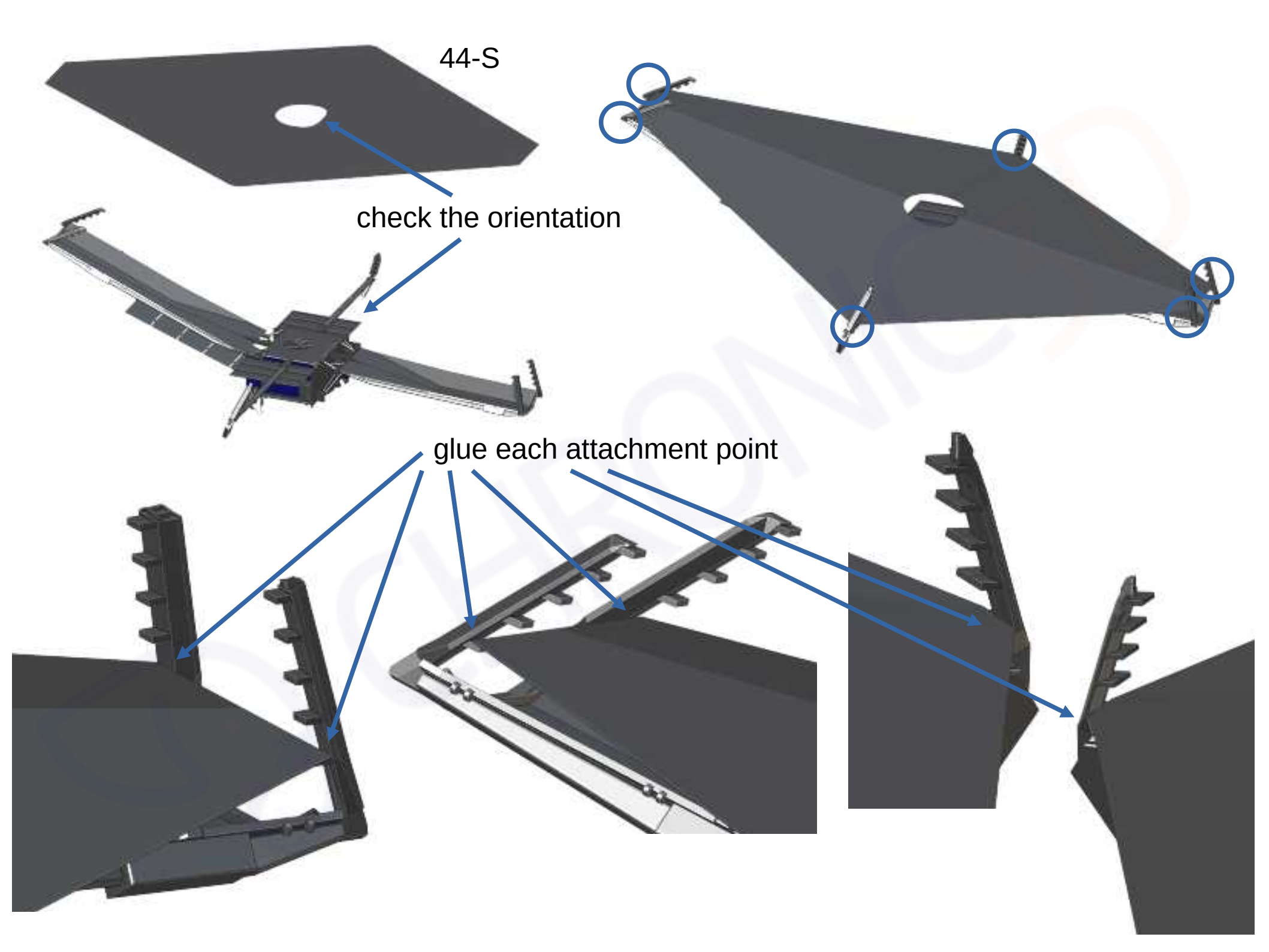
10 mm



44-S

check the orientation

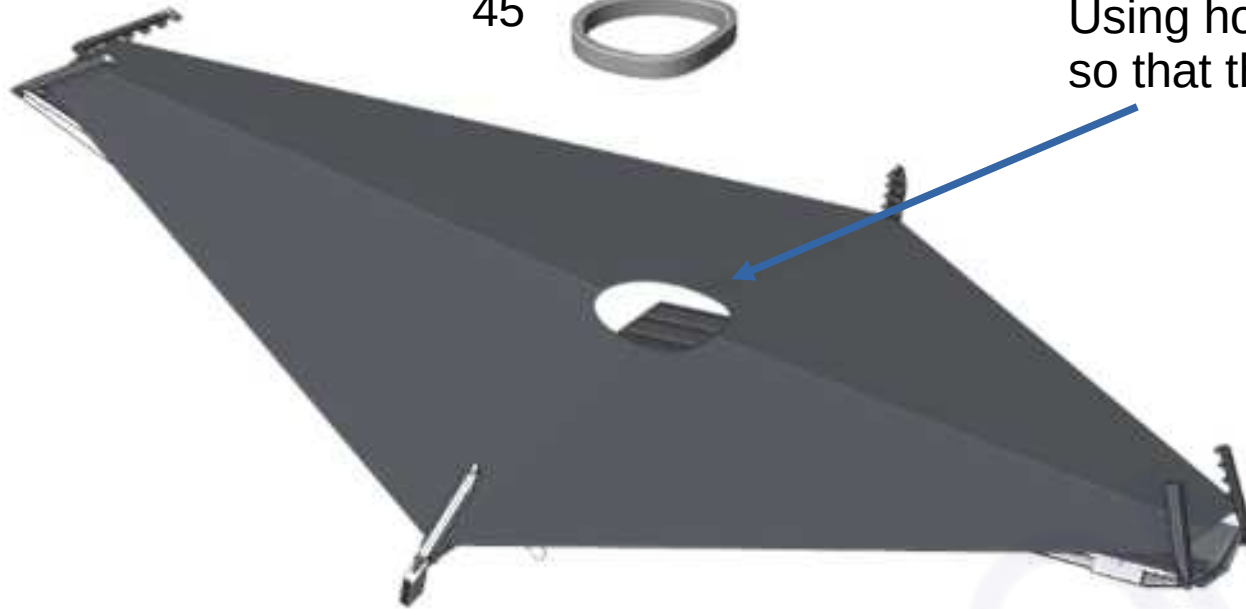
glue each attachment point



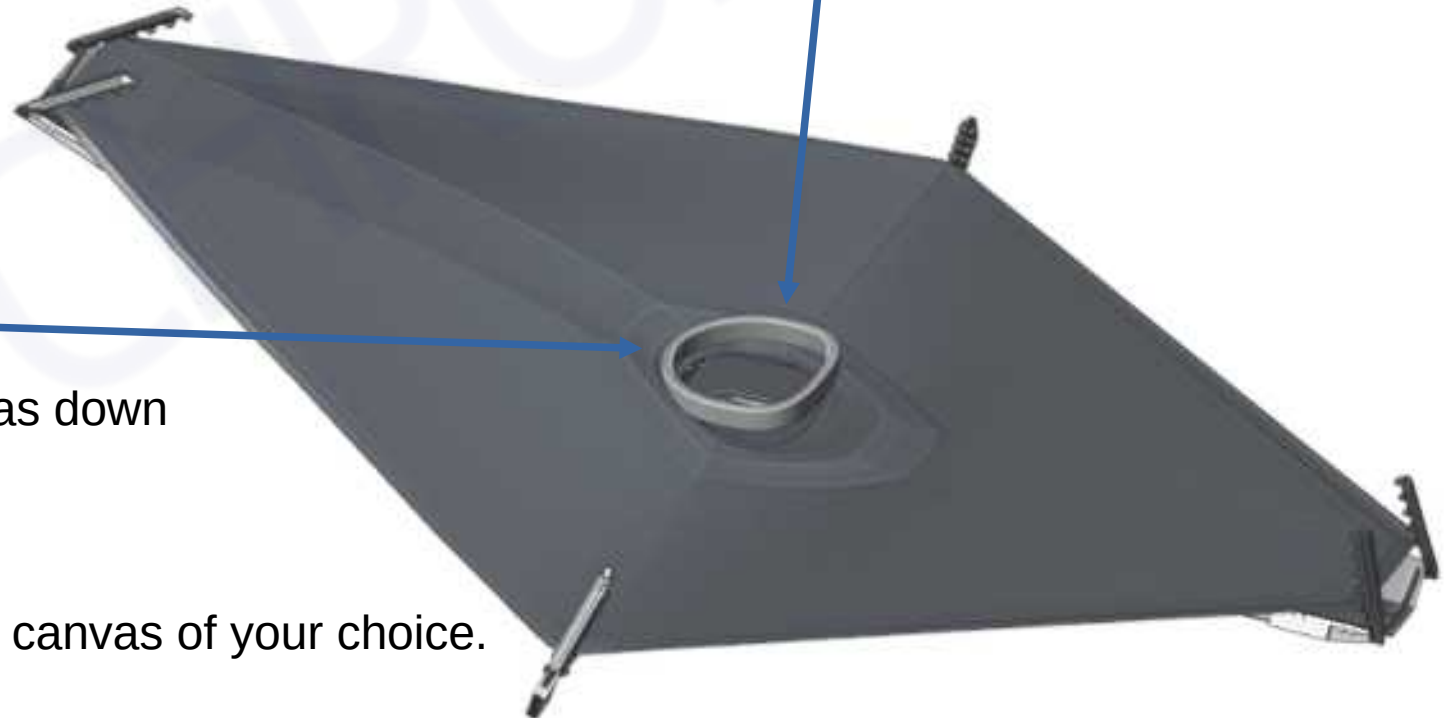
45



Using hot air, deform the canvas so that the center is flattened as illustrated.



Use the ring to help you press the canvas down



You can also use any other canvas of your choice.

46-S

Use the same method
for the other 4 canvas



47-S

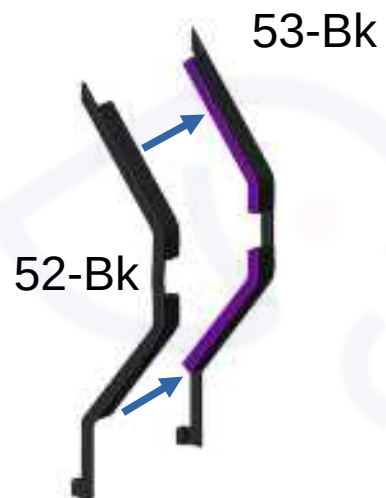
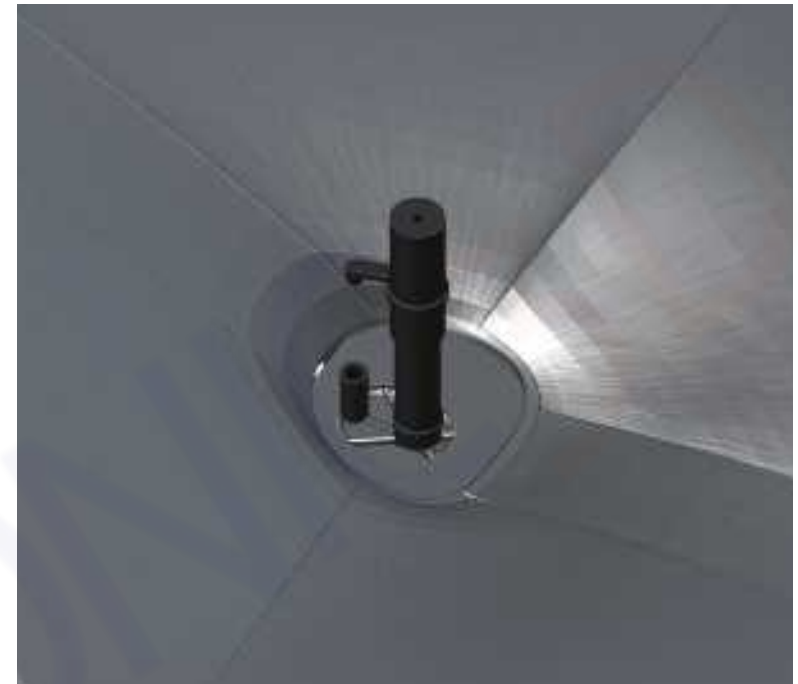
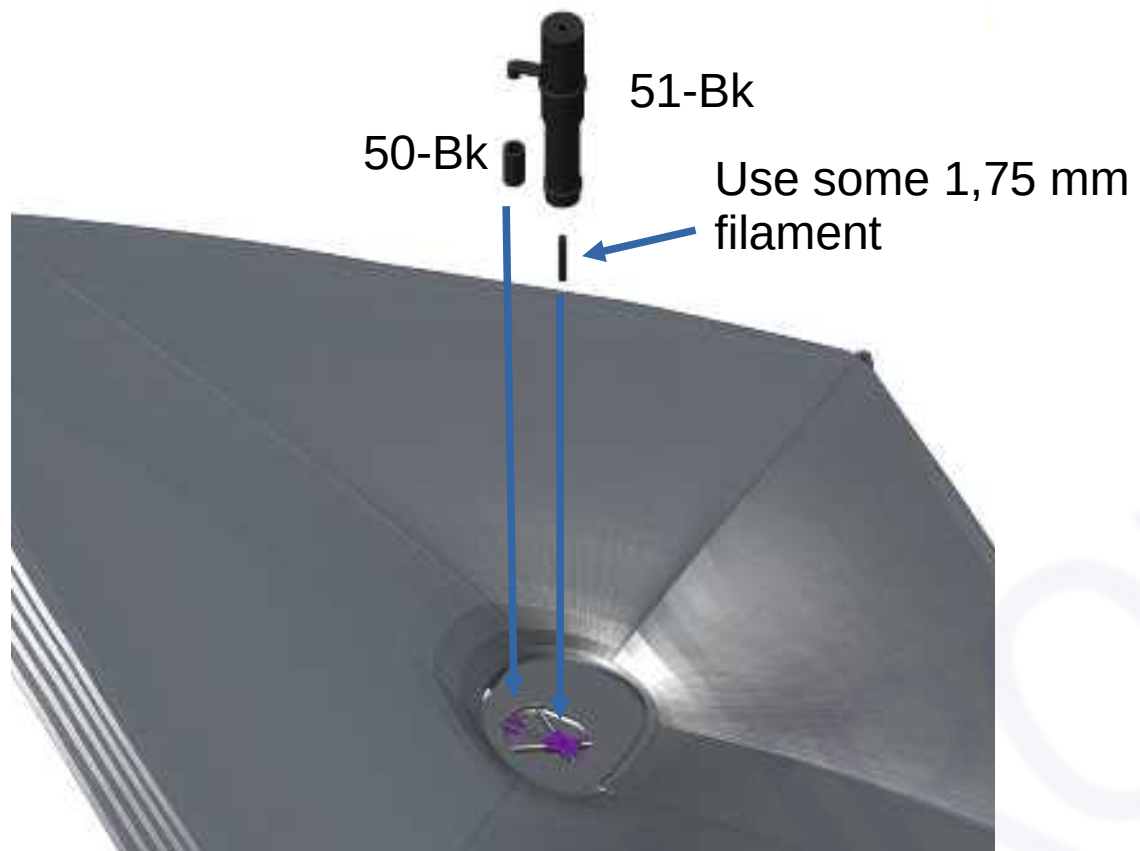


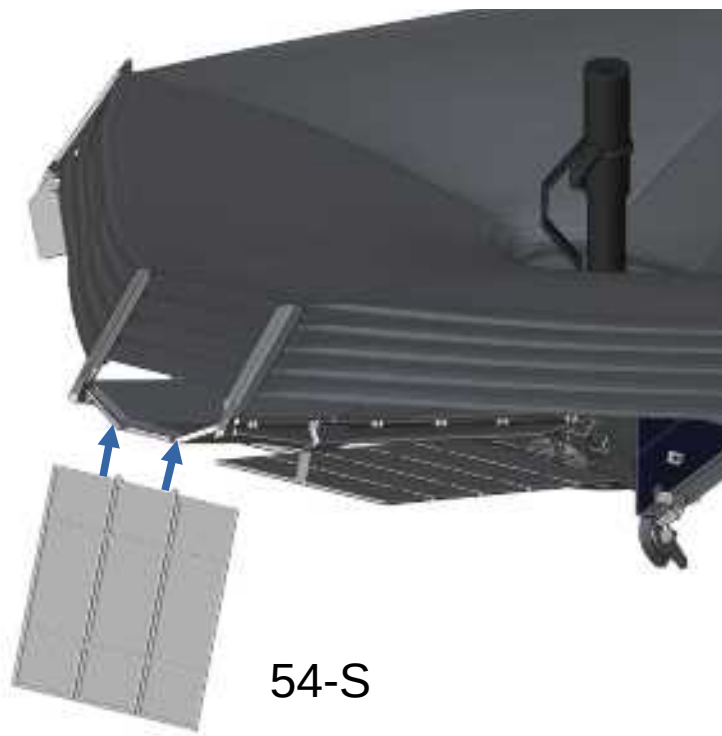
48-S



49-S







54-S

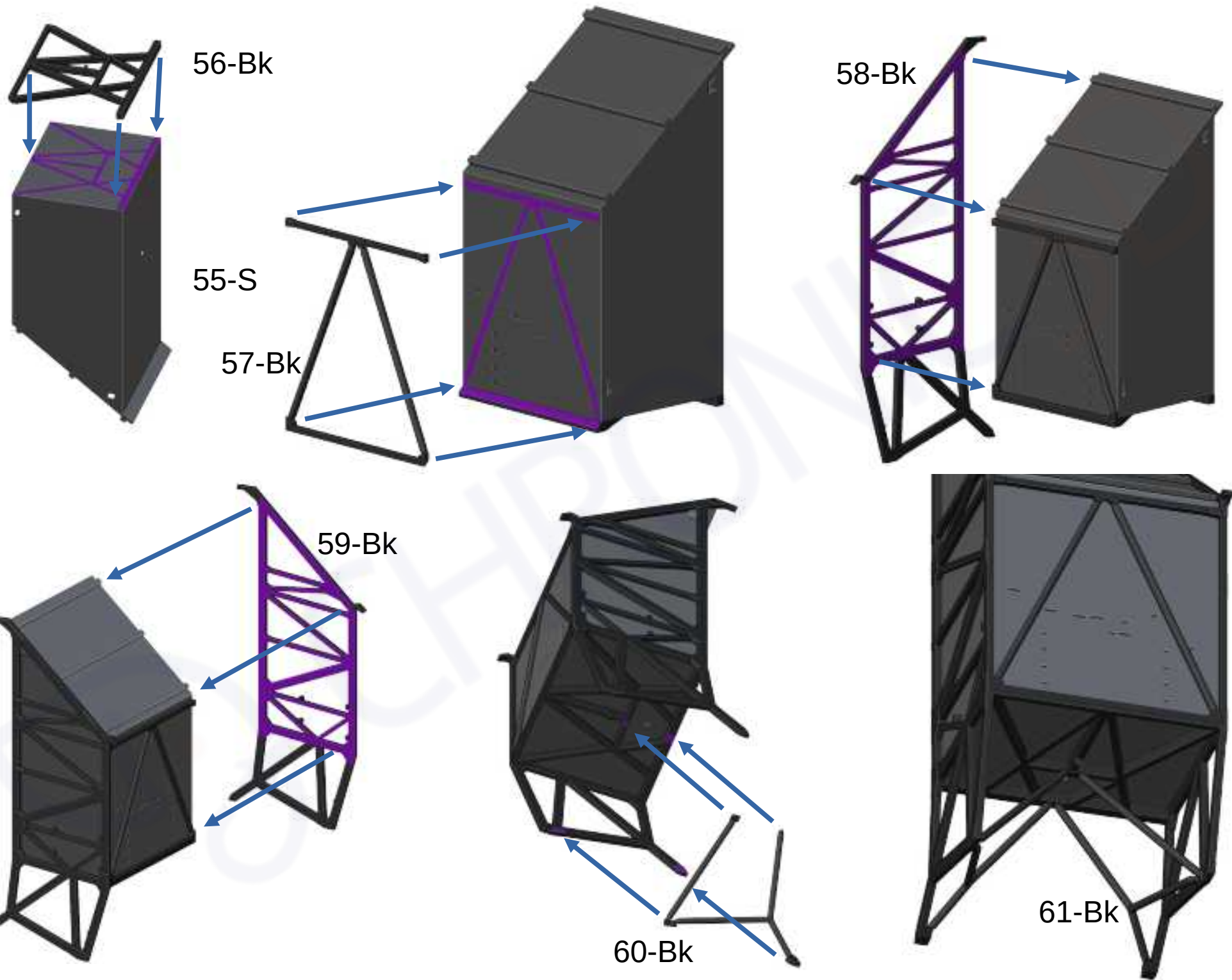


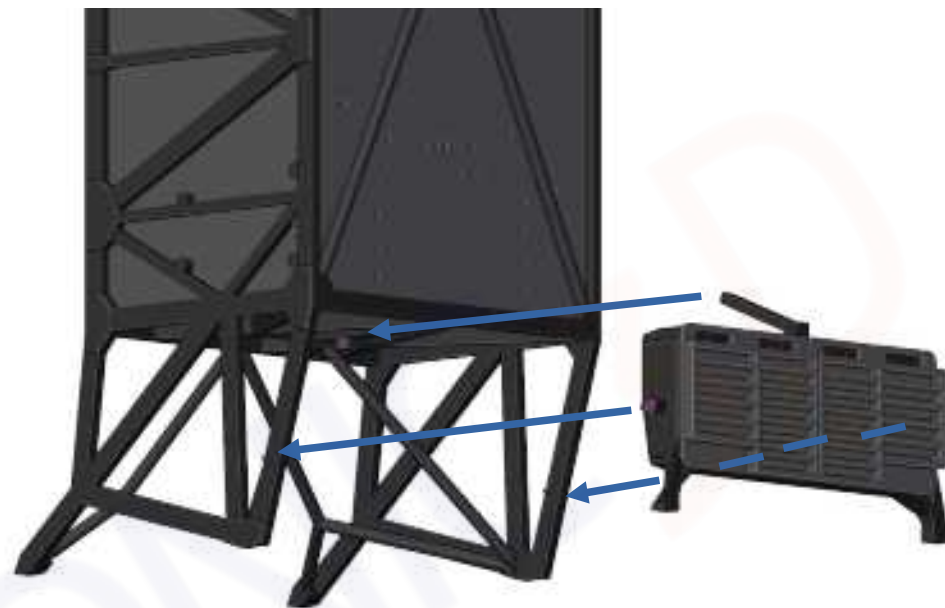
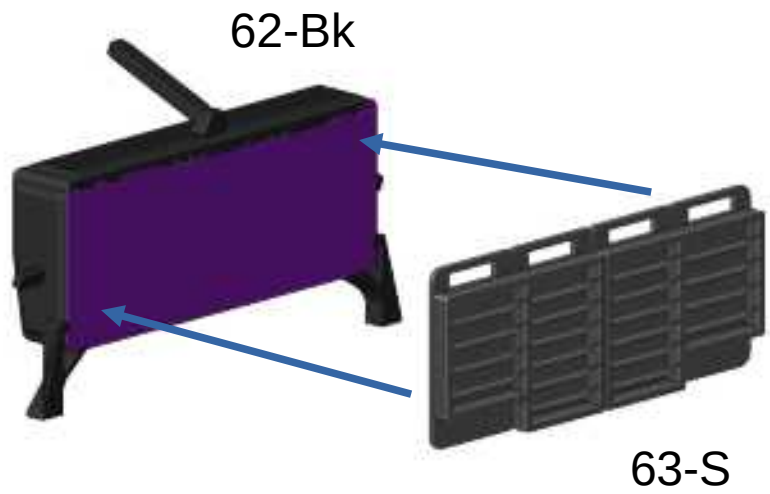
glued at 90°

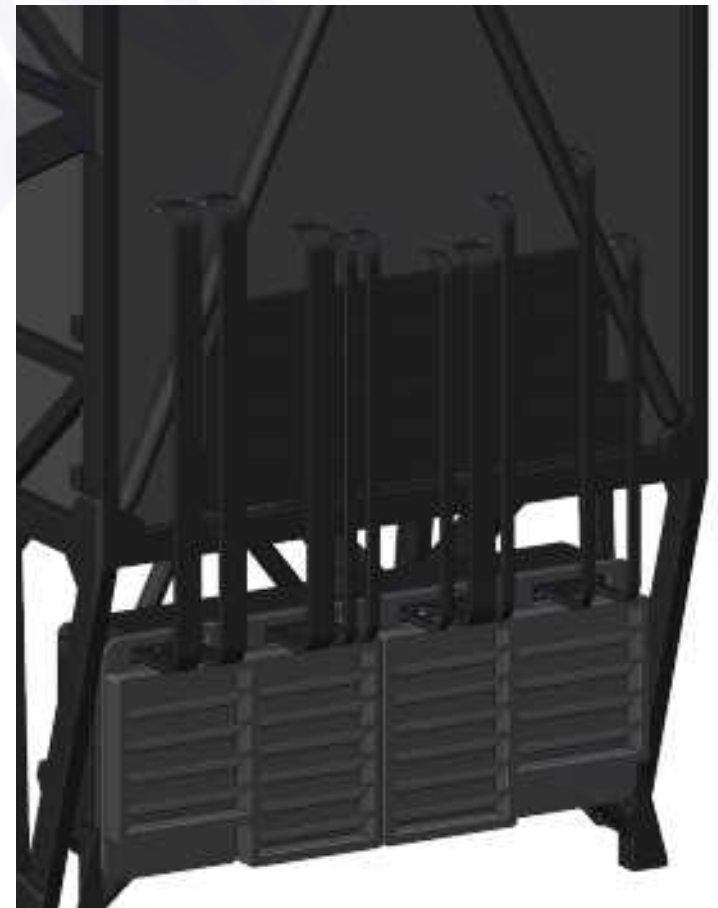
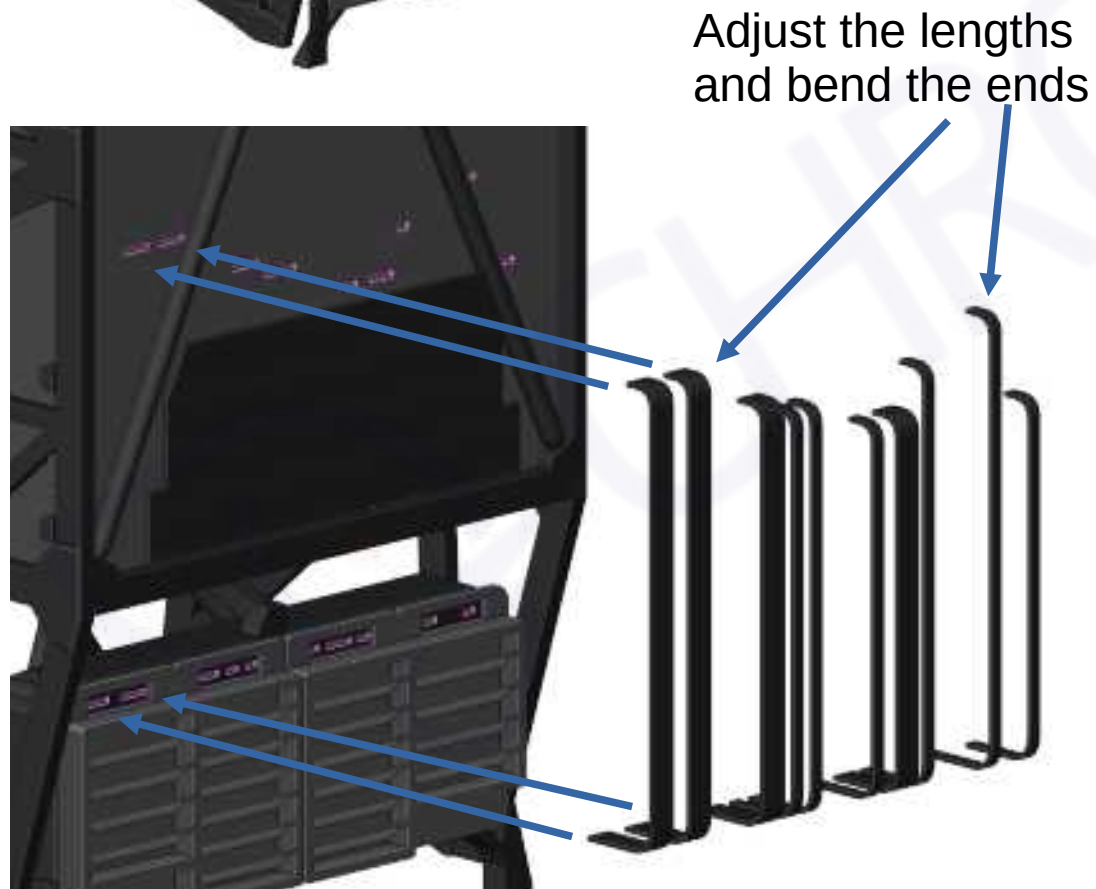
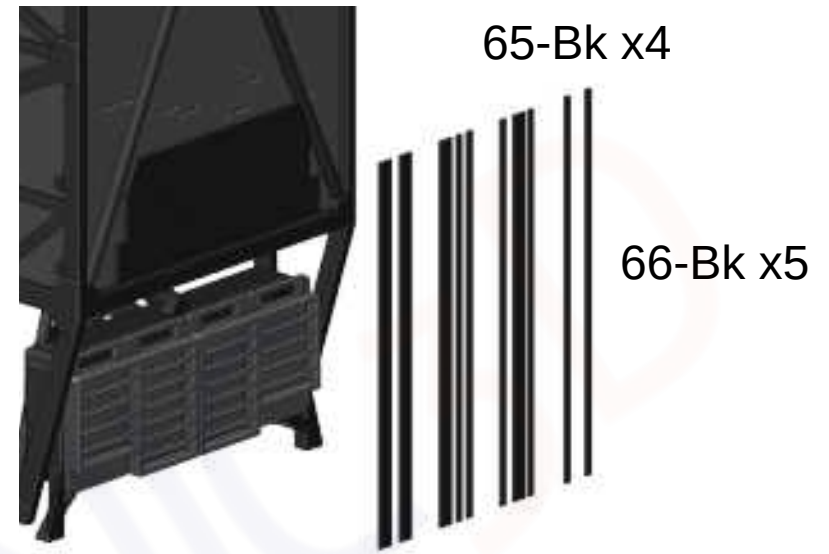
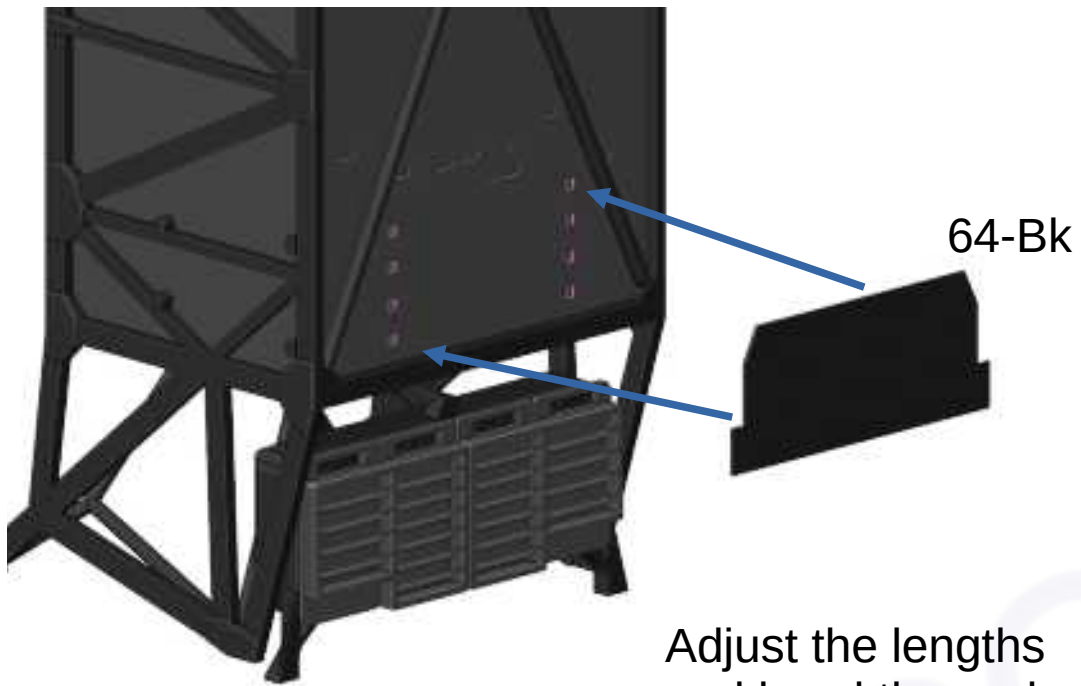


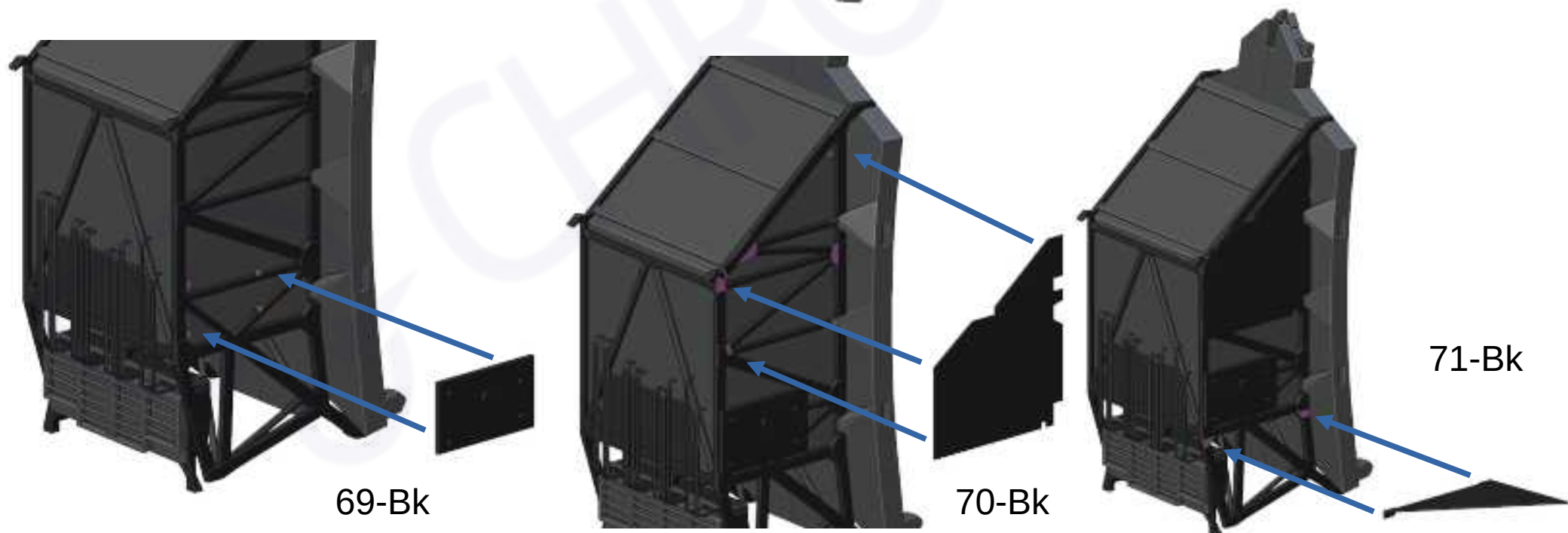
You have just completed the lower part of the JWST



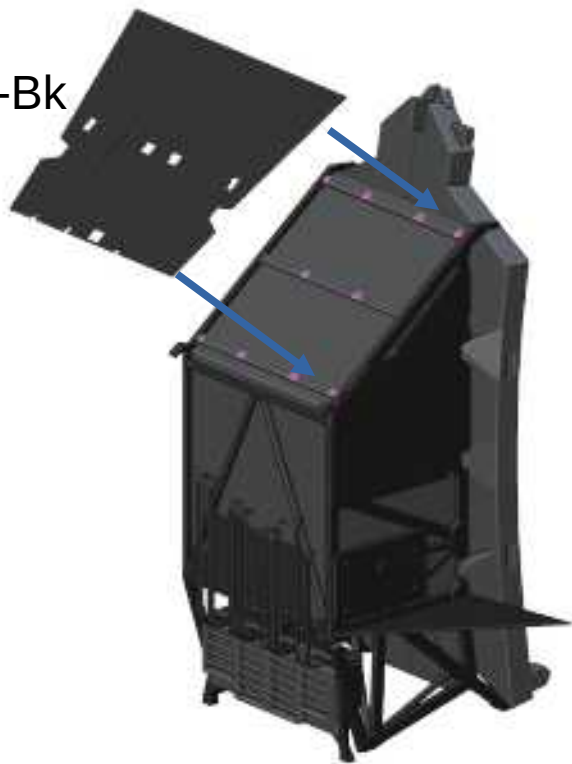




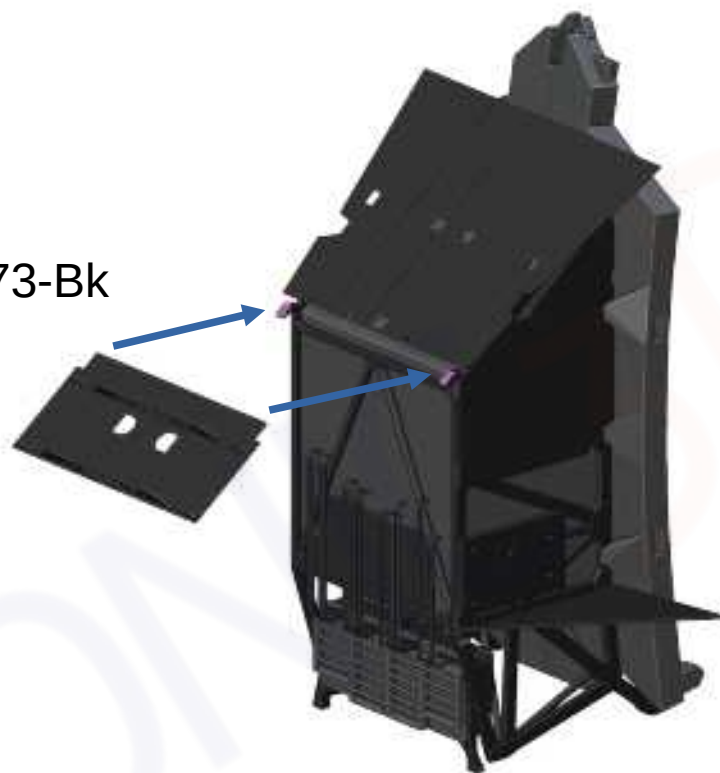




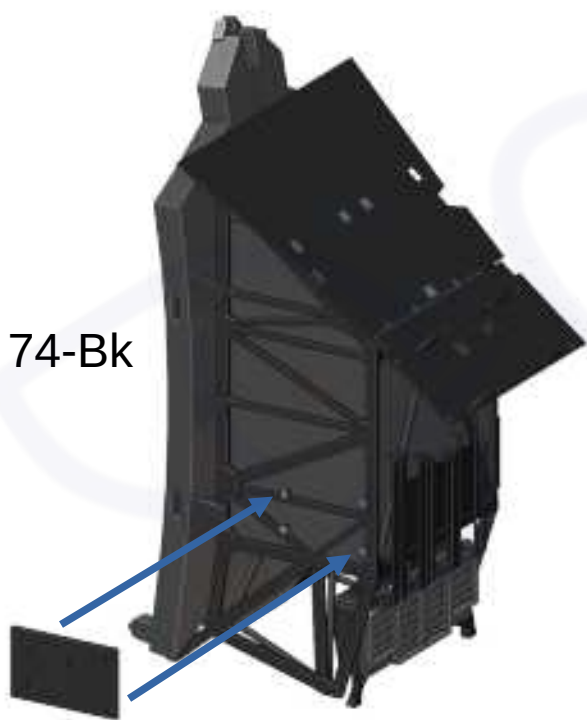
72-Bk



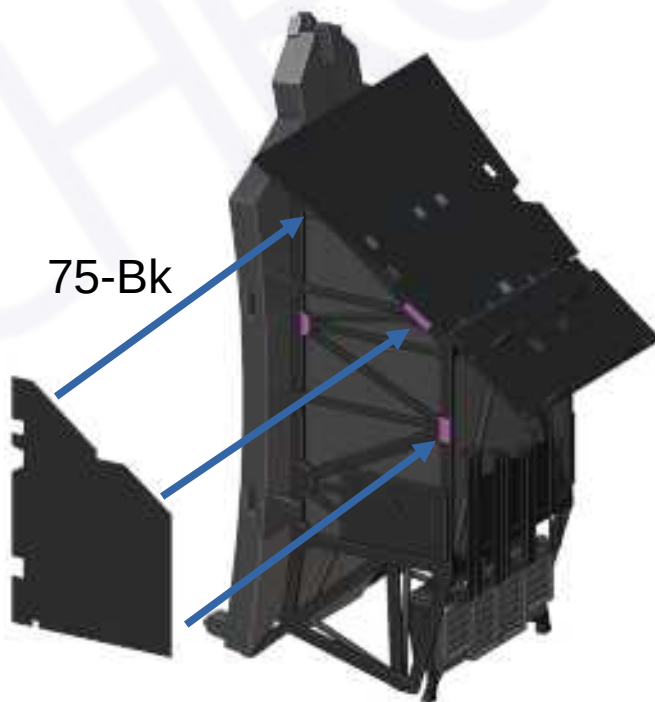
73-Bk



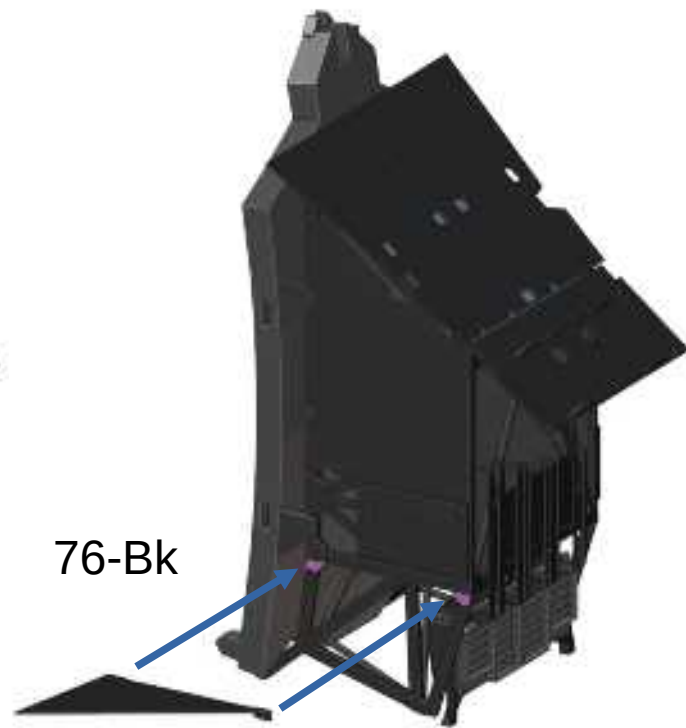
74-Bk

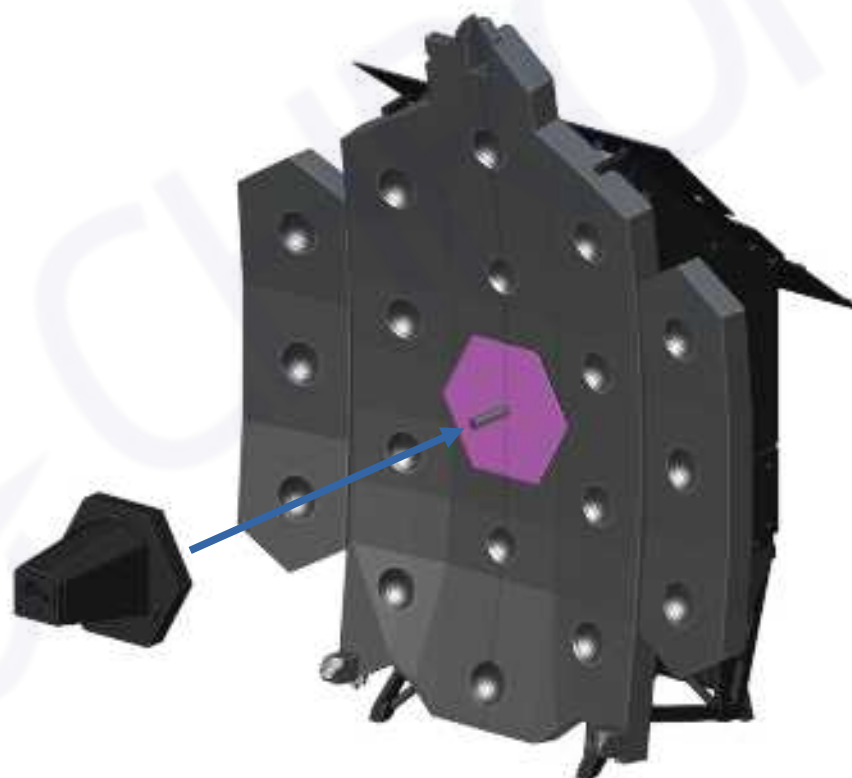
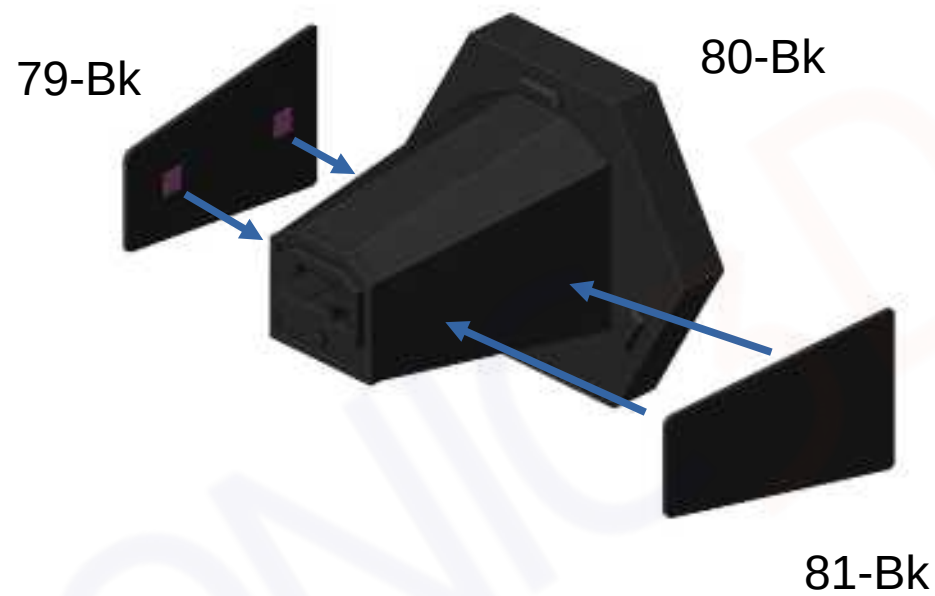
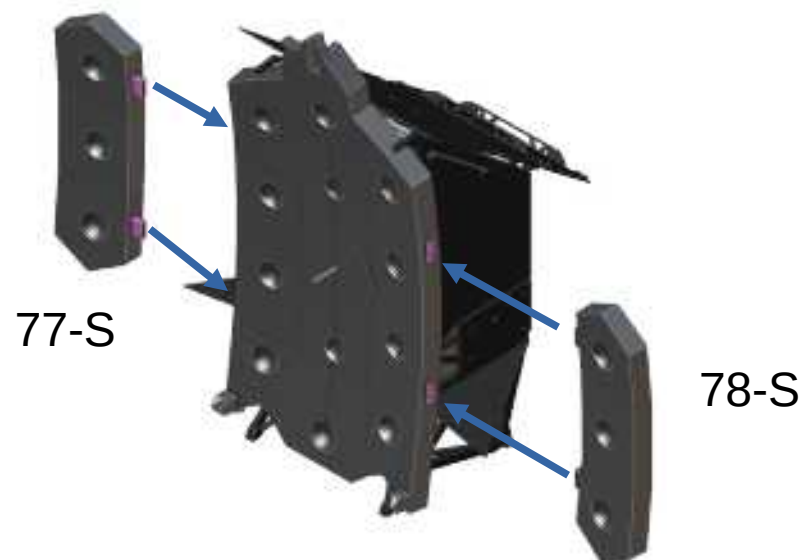


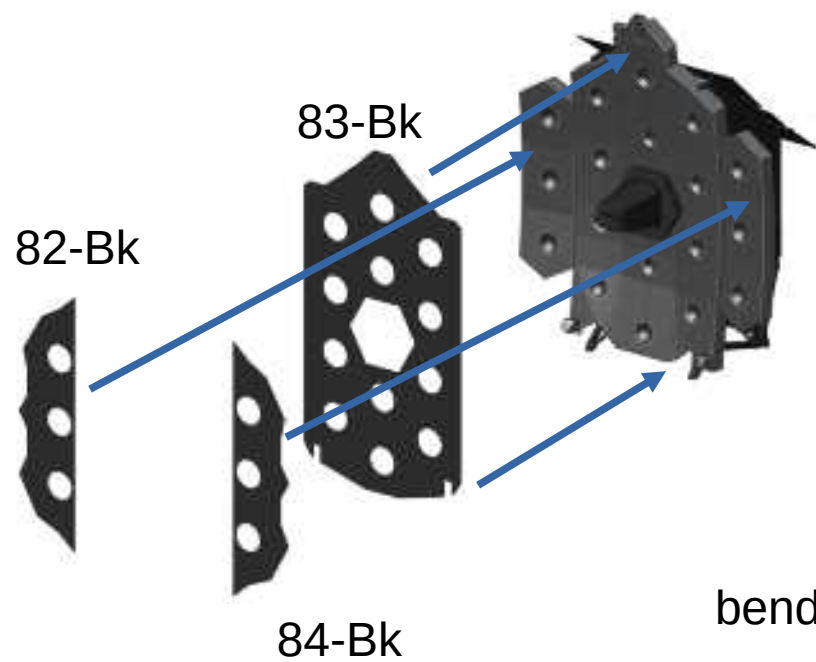
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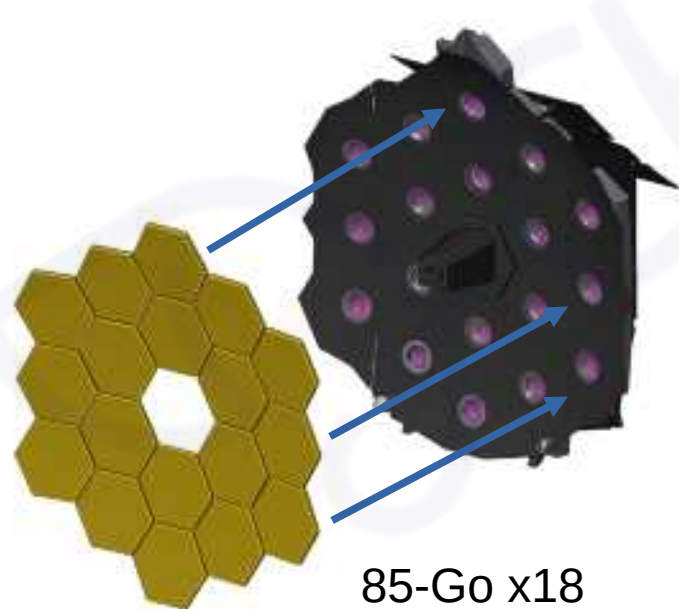
76-Bk

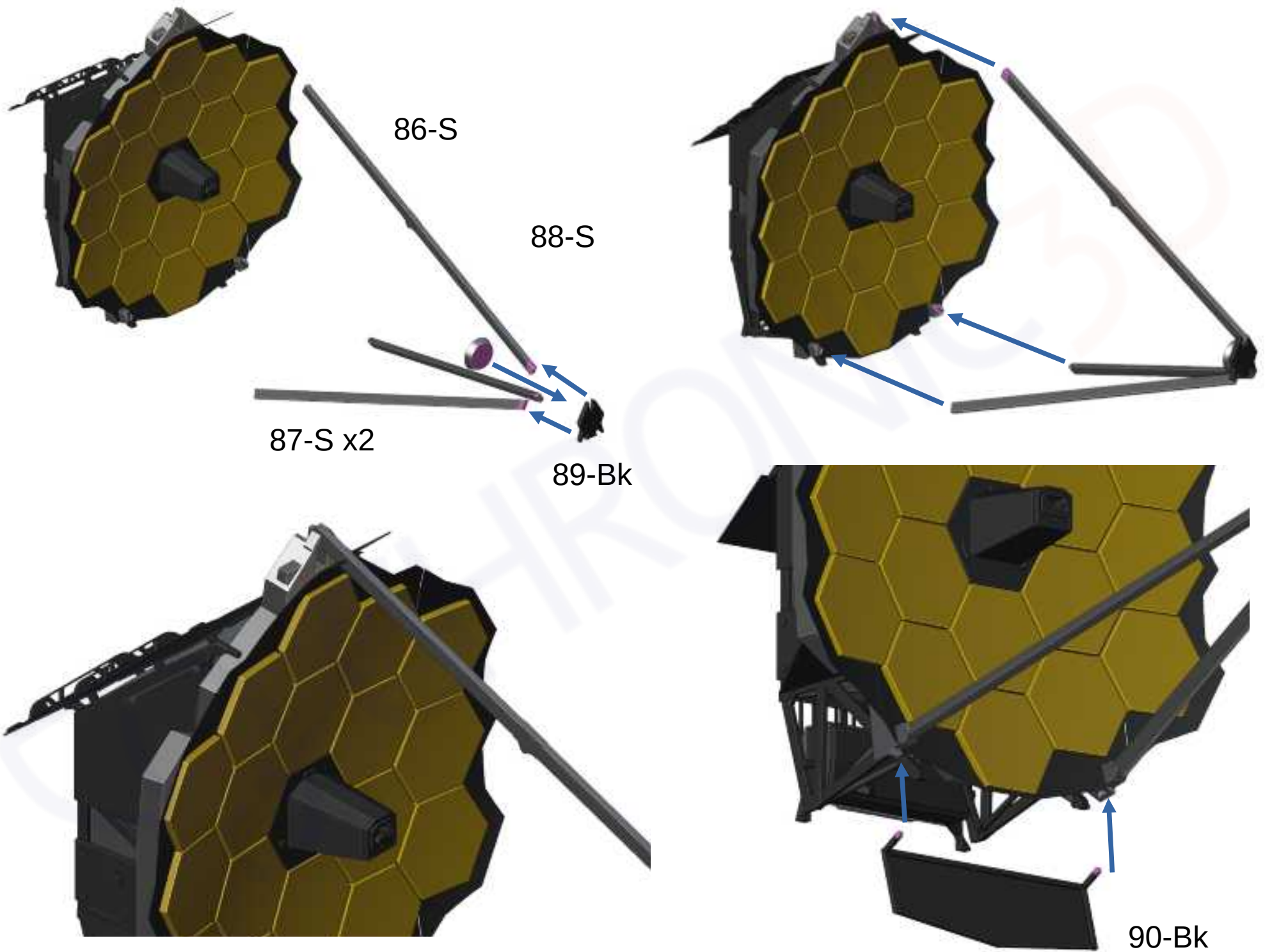


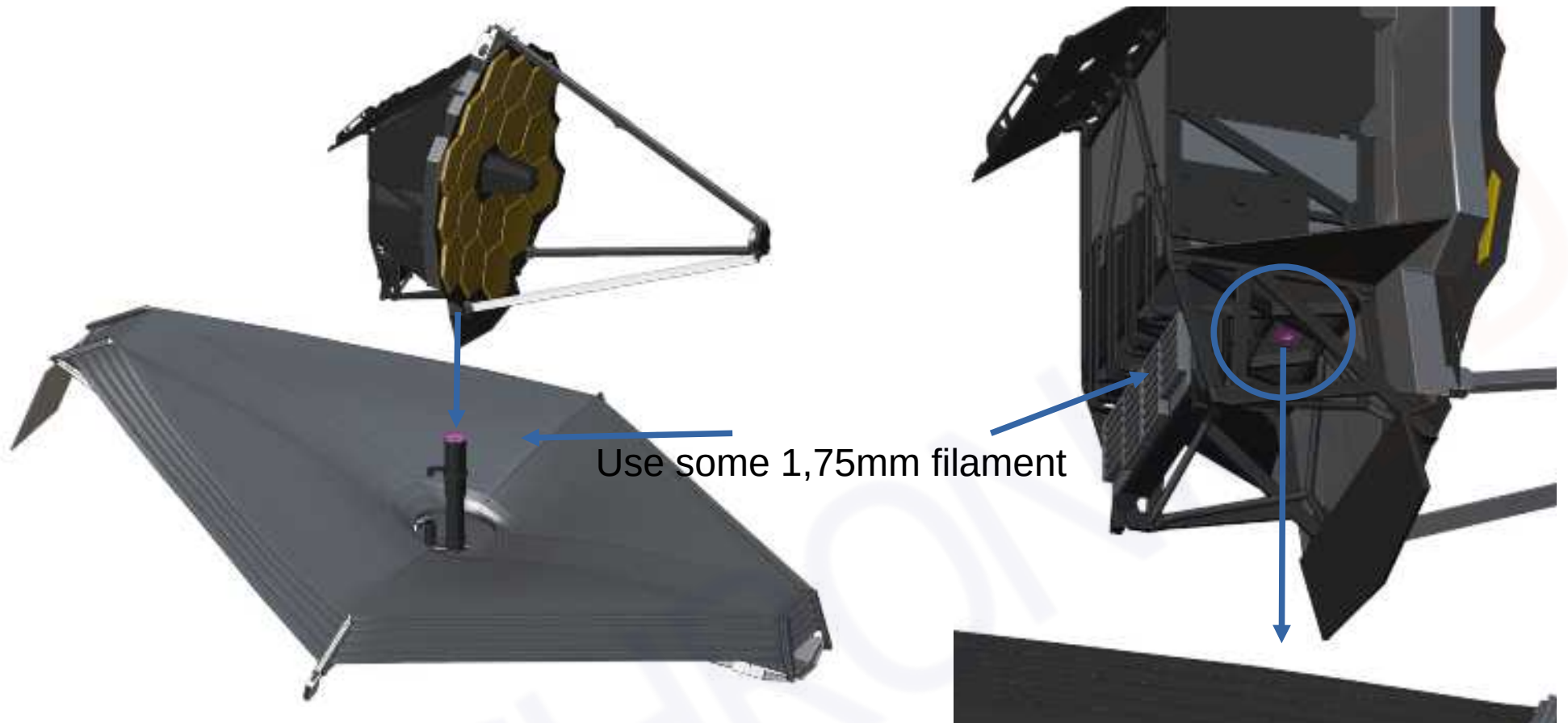


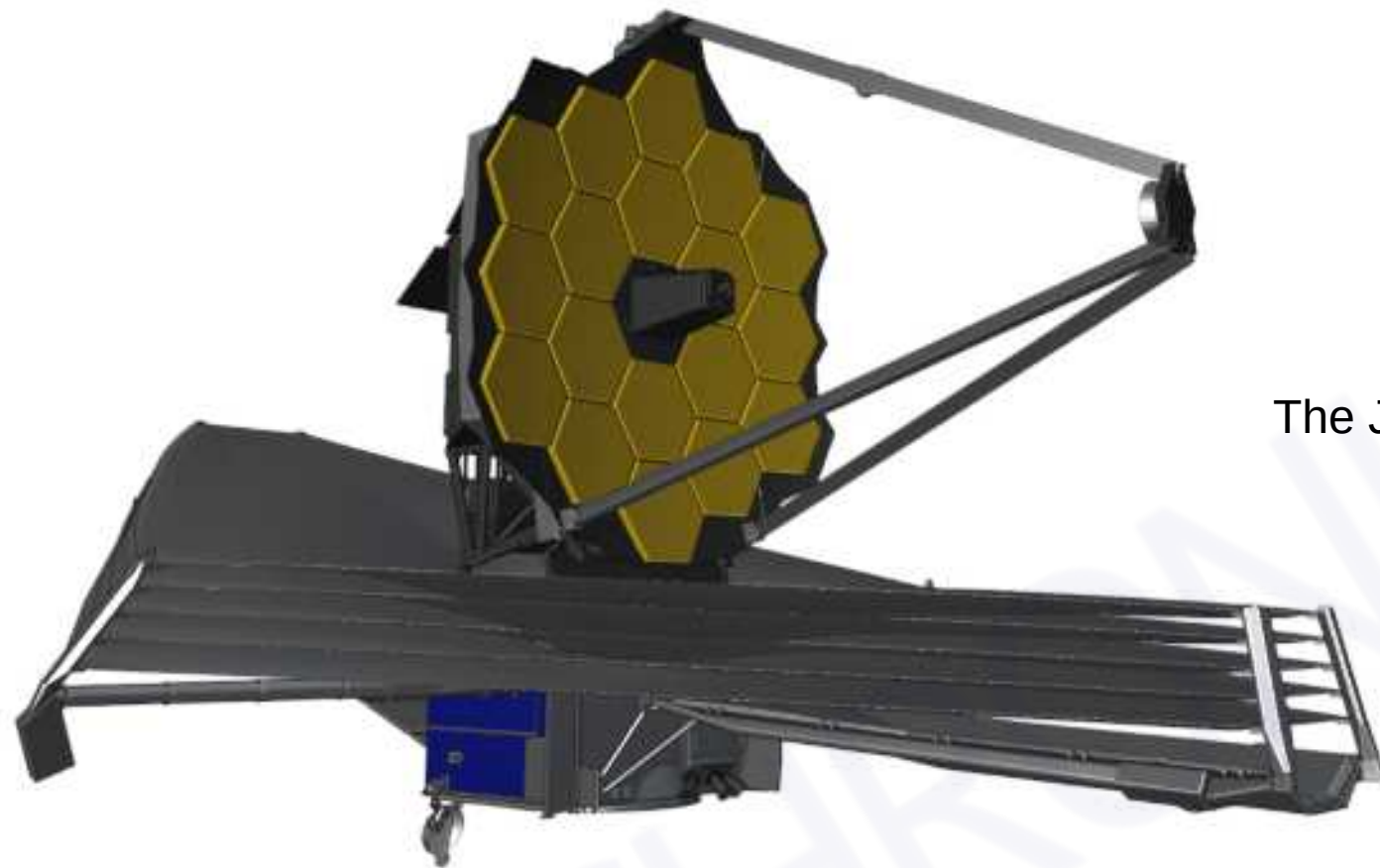


bend these pieces









The JWST assembly is complete



WELL DONE !