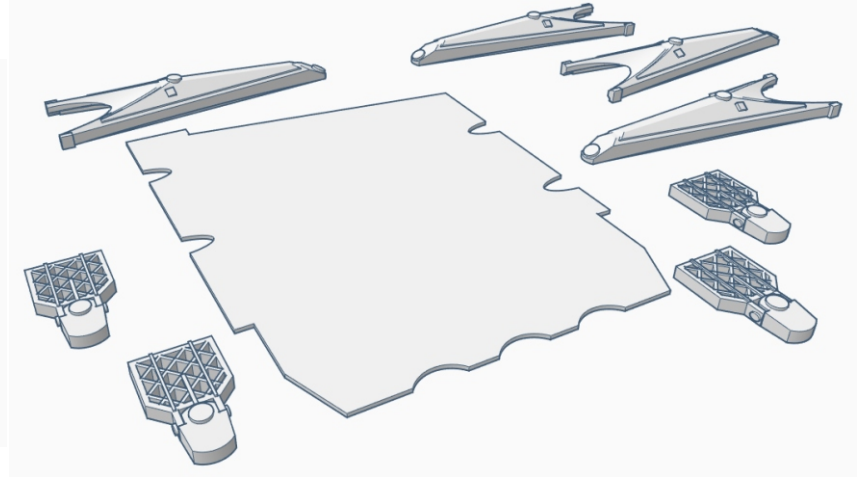
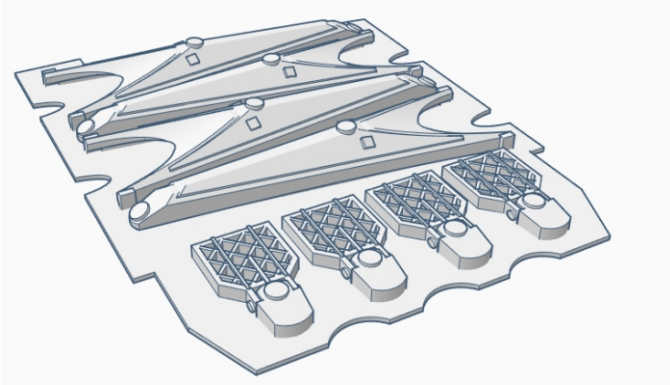


# Space X Falcon 9 Upgrade Kit

Thank you for purchasing a Boyce Aerospace Hobbies Space X Falcon 9 Upgrade Kit. Please review the drawings below before gluing and assembling your kit.

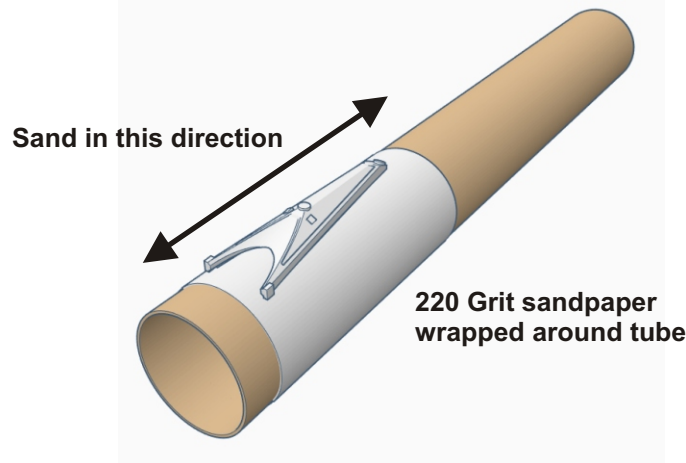
**1**

Your Space X Falcon 9 parts kit is printed on what is called a “raft” in 3D printing. A raft is a flat area printed under the parts to assure part stability and adhesion during the printing process. Step one is to remove all of the parts from the raft by carefully bending/flexing the raft until the parts snap off. The four grid fins should come off of the raft very cleanly. The four landing legs will have a “support” structure underneath them that will require removal. The support structure is required because the back side of each landing leg is curved (conformal) in order to fit correctly onto the Space X Falcon 9 model you are upgrading. To remove the support use a small needle nose pleyer and pull as much of the support as you can off the backside of each landing leg. After that is done you can use a dremal tool or rough sandpaper to sand away the remaining parts of the support.



**2**

Wrap 220 grit sandpaper around a BT-70 body tube and do a final sanding of the back side of each landing leg. It's not necessary to get the backside perfectly smooth. In fact some roughness will help the part stay on when glued. After completing the back side sanding of the fins do the same with the attachment points of the grid fins.



**3**

Do a final sanding on all parts with 400 grit wet/dry sandpaper. Apply masking tape to the backsides of the parts (the glue surfaces) and apply a coat of grey automotive primer. When dry wet sand the parts with 400 grit sandpaper. Repeat again if needed. When the parts are ready to paint spray them with semi gloss white spray paint. After the parts are dry, carefully glue the parts to the model using a high quality CA glue. Apply each part over the area indicated on the vinyl wrap.

