



**DRWRCC**

## **DRWRCC – DRAWER SYSTEM FOR TOOLS & POOP, STYLED TO MATCH YOUR PRINTER**

DRWRCC IS A CUSTOM-DESIGNED DRAWER UNIT BUILT TO MANAGE YOUR TOOLS AND POOP WASTE WITH EFFICIENCY AND ELEGANCE, ALL WHILE PERFECTLY MATCHING THE AESTHETICS OF YOUR PRINTER FOR A CLEAN, UNIFIED LOOK.

- **THIS MODEL INCLUDES:**
- **A DEDICATED POOP DRAWER**
- **AN INTEGRATED POOP EXHAUST PIPE**
- **A TOOL DRAWER COMPATIBLE WITH THE GRIDFINITY SYSTEM — FULLY CUSTOMIZABLE TO FIT YOUR WORKFLOW**
- **A BUILD PLATE HOLDER THAT SUPPORTS UP TO THREE BUILD PLATES**

OPTIONAL ADD-ON:

- **SPOOL BOX** – HOLDS 2 FILAMENT SPOOLS IN A DEHUMIDIFIED ENVIRONMENT USING DESICCANT GEL, WITH A BUILT-IN HUMIDITY METER FOR PRECISE CONTROL.
- **RISER MODULE** – INCREASES HEADROOM ABOVE THE PRINT HEAD, HELPING TO REDUCE PTFE TUBE BENDING. ALSO INCLUDES THE OPTION TO INSTALL AN LED STRIP FOR ENHANCED LIGHTING INSIDE THE PRINT CHAMBER.

DRWRCC COMBINES SMART DESIGN WITH PRACTICAL FEATURES, MAKING IT AN ESSENTIAL UPGRADE FOR ANY SERIOUS PRINTING SETUP.





## REQUIRED SPARE PARTS:



SCREW M4 14 mm

**51 units**



SCREW M2 8 mm

**1 unit**



MAGNET 8X2 mm

**8 units**



MAGNET 16X5 mm

**1 unit**

[WWW.CC3DPROJECTS.COM](http://WWW.CC3DPROJECTS.COM)

# PRO TIPS FOR A FLAWLESS 3D



Buy me a coffee



## FOLLOW THESE SIMPLE TIPS AND YOU'RE GOLDEN:

### 1. STICK WITH REGULAR PETG

USE STANDARD PETG, AND SKIP THE HIGH FLOW (HF) STUFF. HF MIGHT SOUND COOL, BUT IT CAN'T HANDLE HEAT AS WELL, AND THAT CAN MESS WITH YOUR PRINT'S DURABILITY. YEAH, REGULAR PETG IS SHINIER — I GET IT — BUT HERE'S A TRICK: SPRAY IT WITH A MATTE CLEAR COAT LIKE I DID. BOOM! PROBLEM SOLVED.

### 2. DON'T USE PLA FOR SUPPORTS

VOID USING PLA AS SUPPORT MATERIAL. SERIOUSLY. EVEN IF YOU SWITCH FILAMENTS, LEFTOVER PLA IN THE NOZZLE CAN MESS WITH LAYER ADHESION, AND THAT'S NO FUN. AND DON'T STRESS — THE SUPPORTS COME OFF EASY, I PROMISE. YOU GOT THIS.

### 3. KEEP IT SLOW AND STEADY

RESIST THE URGE TO CRANK UP THE PRINT SPEED. GOING TOO FAST CAN LEAD TO WEIRD-LOOKING CORNERS AND WARPED PARTS. STICK TO STANDARD SPEED — YOUR PRINT WILL THANK YOU.

### 4. USE A GRIPPY PRINT BED

[WWW.CC3DPROJECTS.COM](http://WWW.CC3DPROJECTS.COM)

THESE PARTS ARE ON THE BIGGER SIDE, SO BED ADHESION IS EVERYTHING. MAKE SURE YOUR BUILD PLATE'S GOT A GOOD GRIP TO AVOID WARPING OR LIFTING. TRUST ME, A SOLID FIRST LAYER MAKES ALL THE DIFFERENCE.

### LET'S TALK ABOUT THE AGE-OLD QUESTION: WHAT FILAMENT TO USE, COLOR CODES, AND ALL THAT JAZZ.

I DON'T HAVE ONE SPECIFIC BRAND TO RECOMMEND — I USE A MIX OF FILAMENTS AND USUALLY JUST GRAB WHATEVER'S ON SALE. I'M NOT A MILLIONAIRE, AFTER ALL!

PERSONALLY, I TEND TO AVOID PETG HF (HIGH-FLOW) FILAMENTS. SURE, THEY'RE MATTE, BUT THEY DON'T HANDLE HEAT AS WELL AND CAN WARP OVER TIME.

MY BEST ADVICE? USE FILAMENTS YOU'RE FAMILIAR WITH AND ALREADY HAVE DIALED-IN PRINT SETTINGS FOR. IT'LL MAKE A BIG DIFFERENCE IN THE FINAL RESULT.

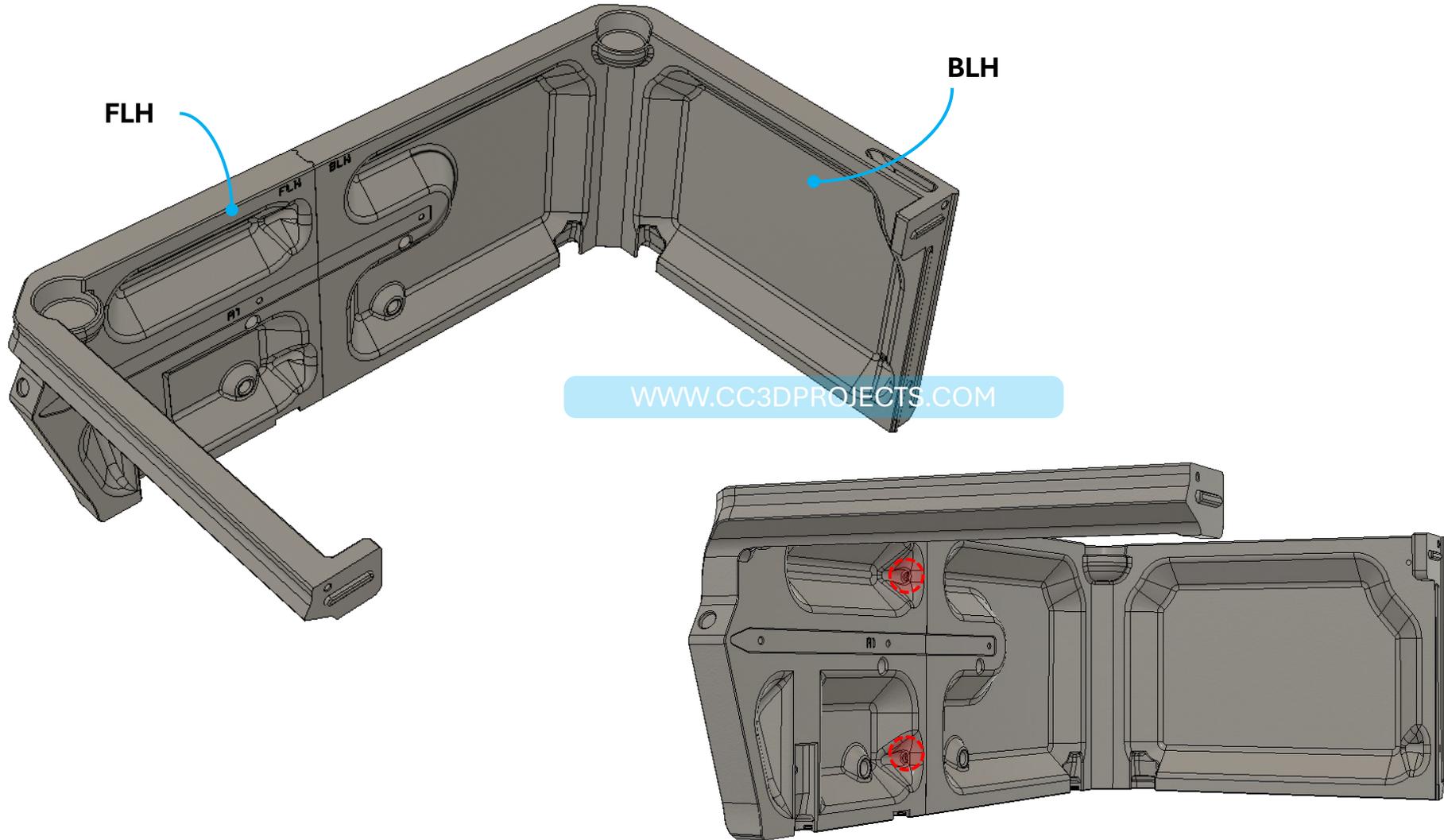
AS FOR COLORS, I USUALLY BUY A BUNCH OF SHADES AND PICK THE ONE I LIKE BEST — SO UNFORTUNATELY, I DON'T HAVE ANY EXACT COLOR CODES TO SHARE. SORRY!



## LEFT SIDE

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!  
MATCH THE PIECES JUST LIKE IN THE PICTURE AND SECURE THEM BY INSERTING AND TIGHTENING THE SCREWS INTO EACH HOLE MARKED IN RED. EASY PEASY!

 Buy me a coffee

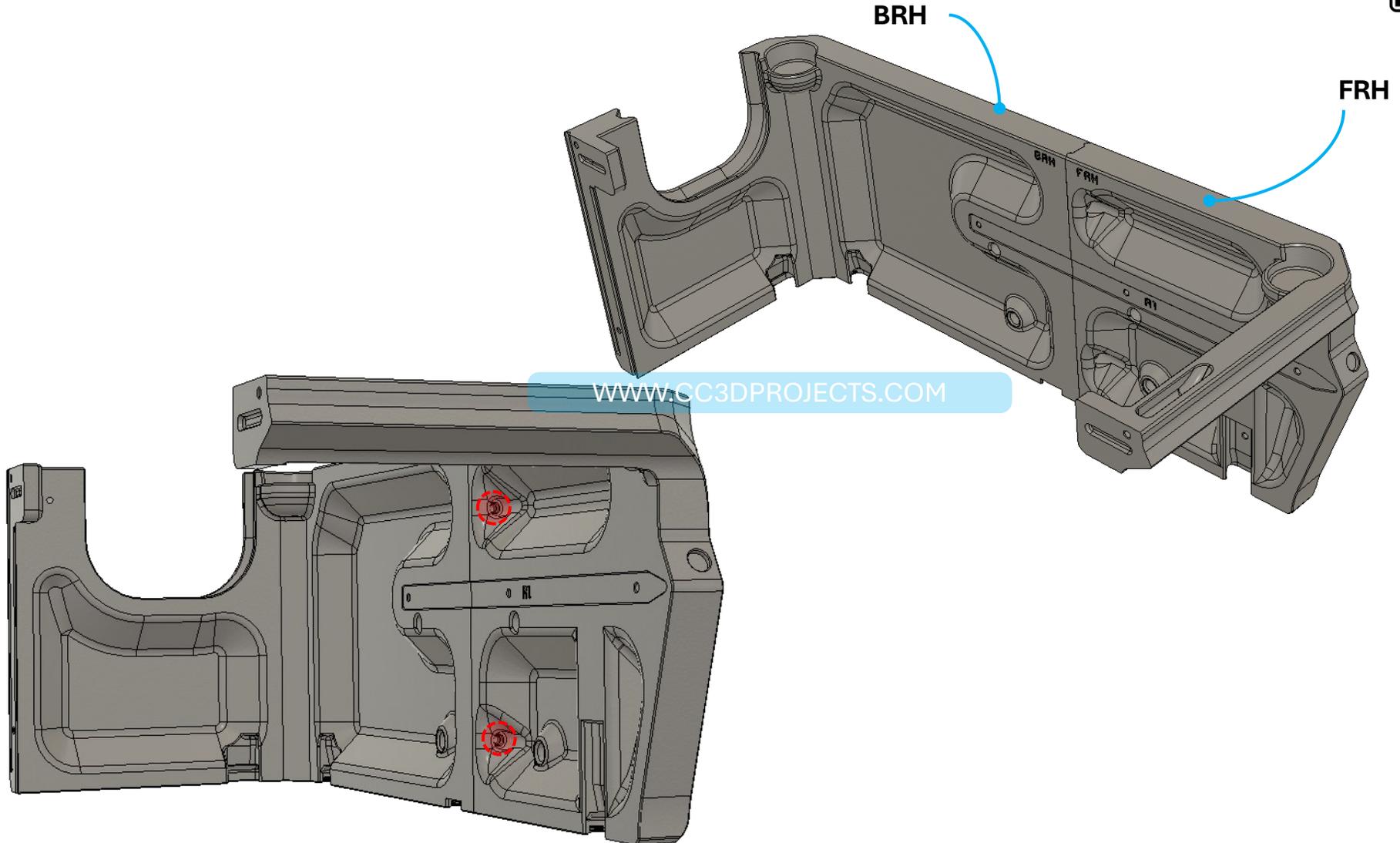




## RIGHT SIDE

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!  
MATCH THE PIECES JUST LIKE IN THE PICTURE AND SECURE THEM BY INSERTING AND TIGHTENING THE SCREWS INTO EACH HOLE MARKED IN RED. EASY PEASY!

Buy me a coffee





# SETUP FOR EXTERNAL ACCESSORIES

NOW IS THE TIME FOR AN IMPORTANT STEP THAT WILL BE DIFFICULT TO PERFORM LATER, SO TAKE YOUR TIME AND DO IT CAREFULLY NOW.

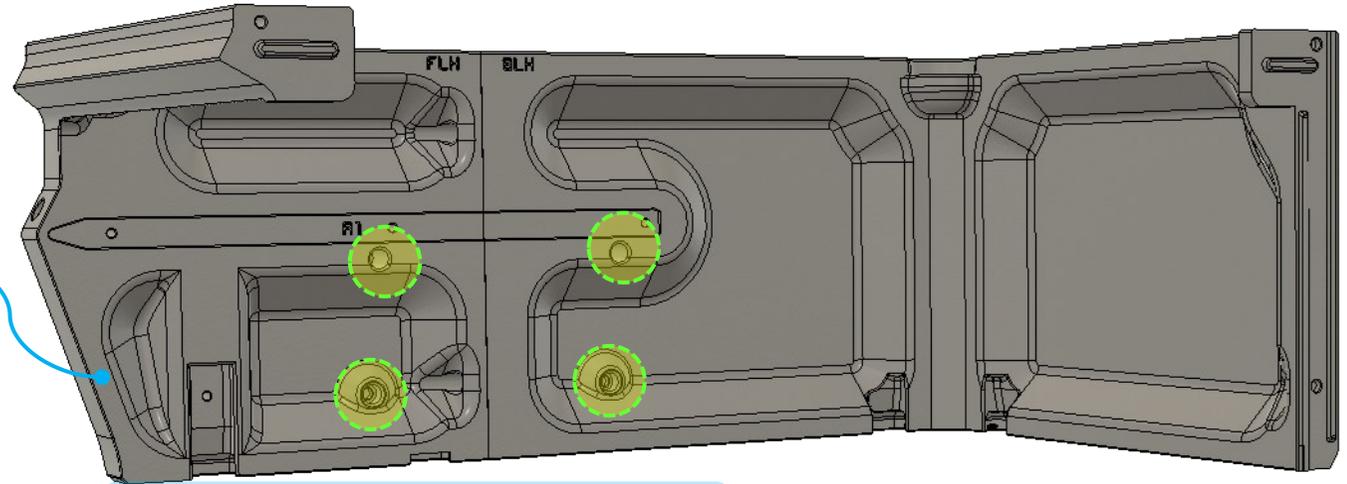
IF YOU PURCHASED THE BASIC DRWRCC, YOU'LL NEED TO ENLARGE THE TWO MARKED HOLES ON THE LEFT SIDE OF THE DRAWER USING A 4 MM OR 4.5 MM DRILL BIT IN ORDER TO ATTACH THE RAILS FOR INSTALLING THE BUILD PLATE SUPPORT.

IF YOU ALSO PURCHASED THE SPLBOX, REPEAT THE SAME PROCEDURE FOR THE HOLES MARKED ON THE RIGHT SIDE OF THE DRAWER.

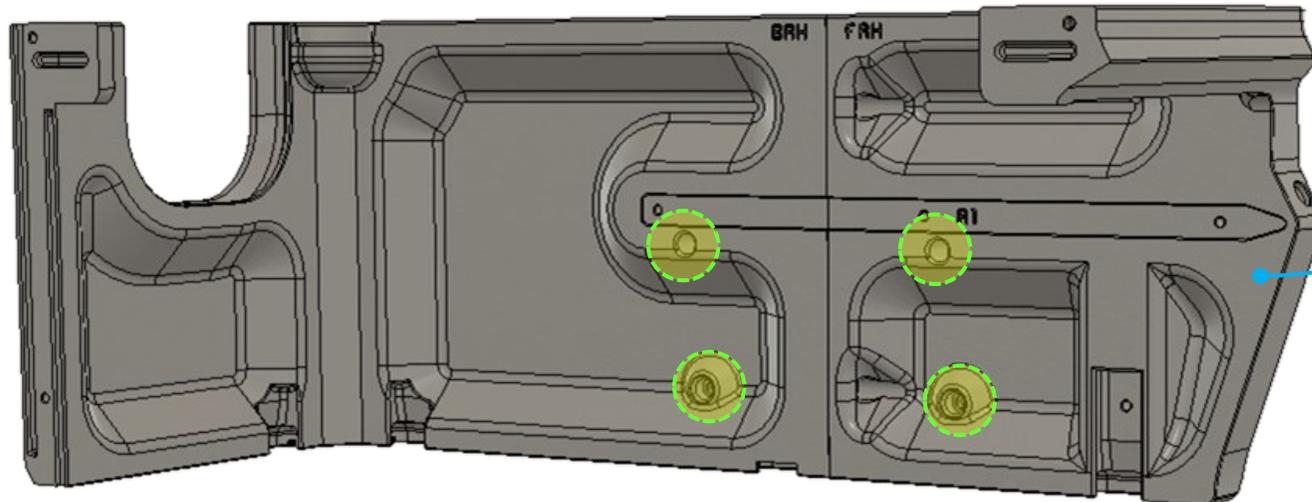
Buy me a coffee



**LEFT SIDE  
BUILD PLATE HOLDER**



[WWW.CC3DPROJECTS.COM](http://WWW.CC3DPROJECTS.COM)



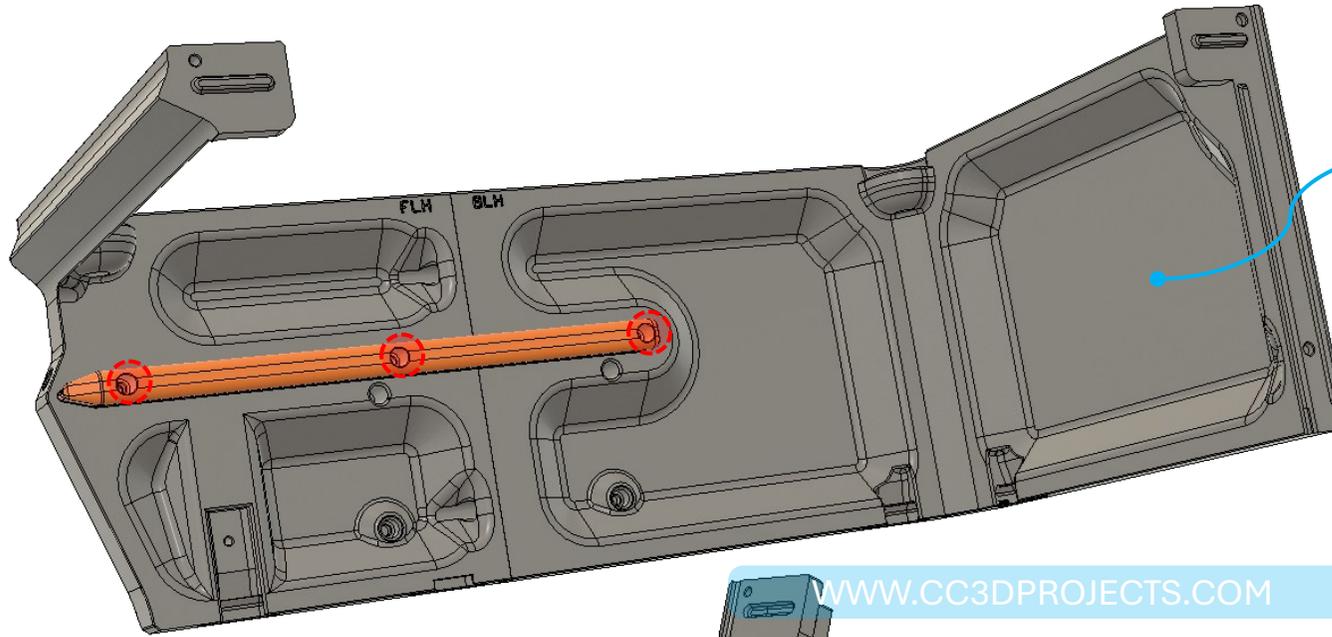
**RIGHT SIDE  
SPOOL BOX**



## LEFT-RIGHT DRAWER RAILS

INSTALL THE DRAWER RAILS NOW AS WELL—DOING IT LATER, ONCE THE DRAWER IS FULLY ASSEMBLED, COULD BE A BIT INCONVENIENT.

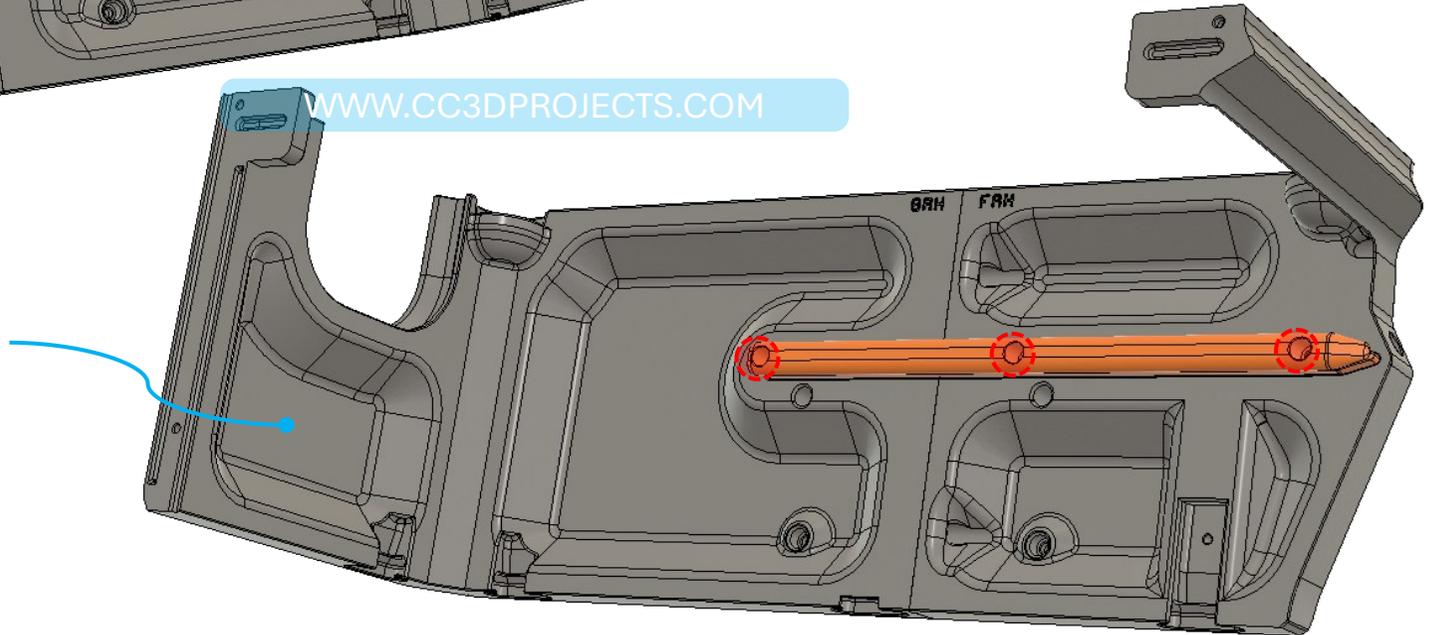
THE RAILS AND THE DRAWER SIDES ARE LABELED WITH MATCHING CODES TO HELP YOU IDENTIFY THE CORRECT RAIL FOR EACH POSITION. JUST MATCH THE CODES AND IT'LL BE A BREEZE.



LEFT SIDE

[WWW.CC3DPROJECTS.COM](http://WWW.CC3DPROJECTS.COM)

RIGHT SIDE

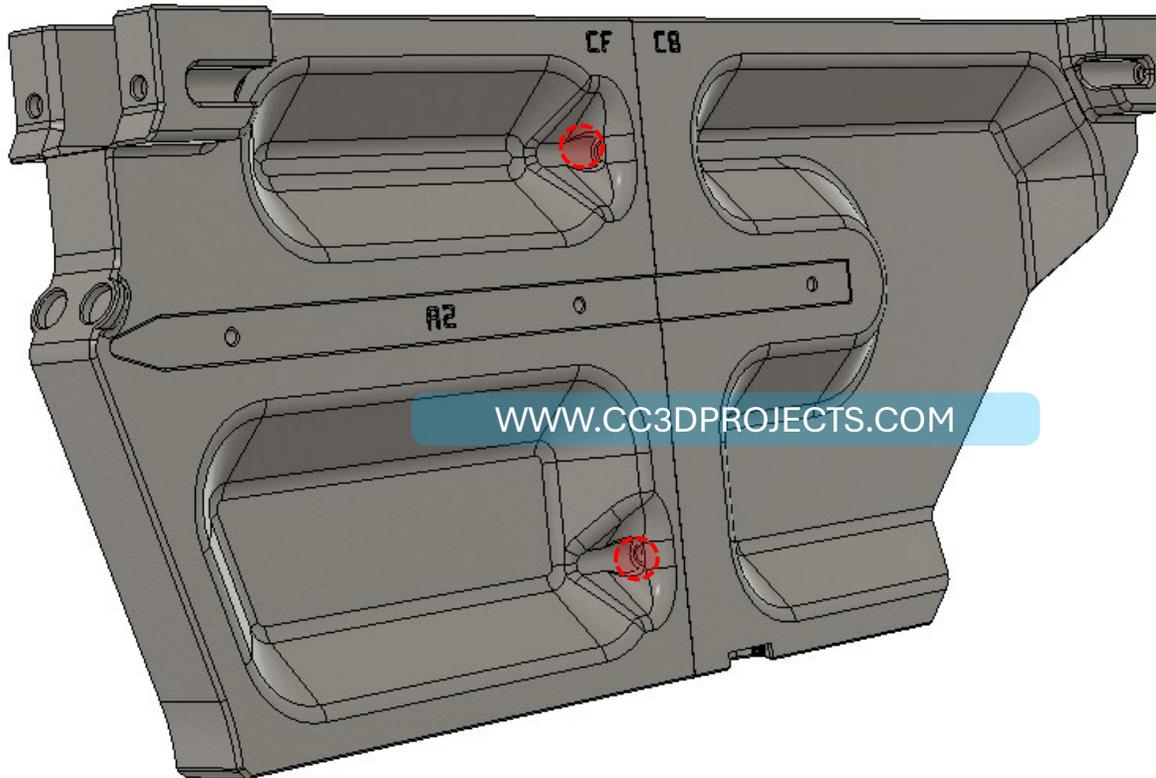




## MIDDLE SIDE

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!  
MATCH THE PIECES JUST LIKE IN THE PICTURE AND SECURE THEM BY INSERTING AND TIGHTENING THE SCREWS INTO EACH HOLE MARKED IN RED. EASY PEASY!

 Buy me a coffee

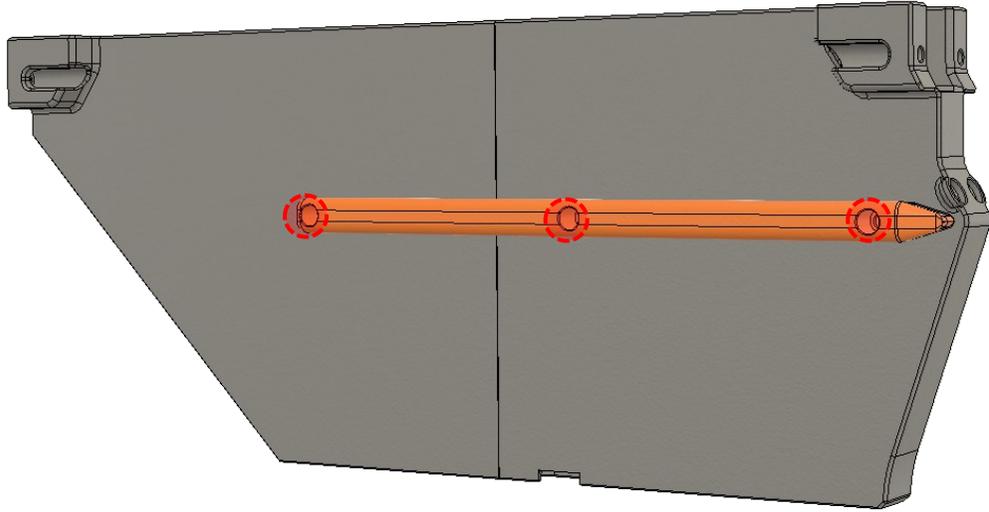




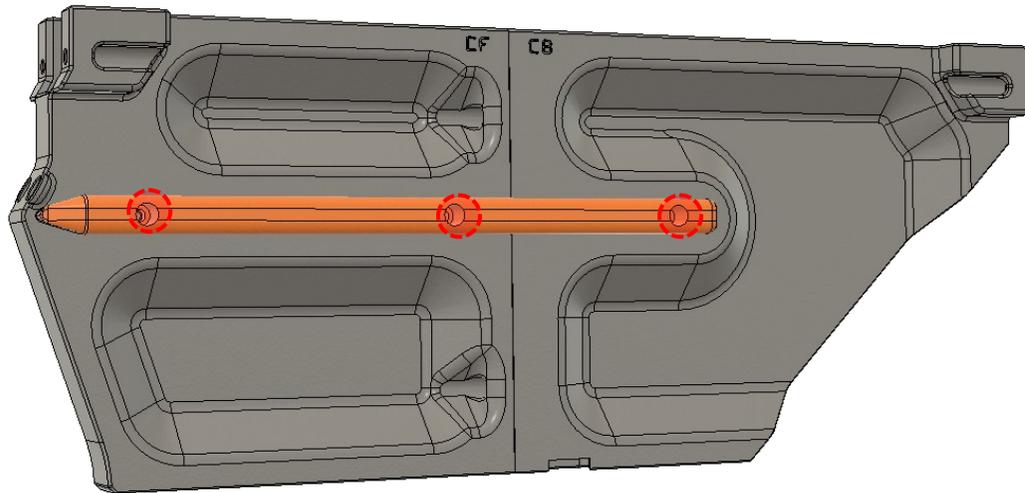
# MIDDLE SIDE RAILS

INSTALL THE DRAWER RAILS NOW AS WELL—DOING IT LATER, ONCE THE DRAWER IS FULLY ASSEMBLED, COULD BE A BIT INCONVENIENT.

THE RAILS AND THE DRAWER SIDES ARE LABELED WITH MATCHING CODES TO HELP YOU IDENTIFY THE CORRECT RAIL FOR EACH POSITION. JUST MATCH THE CODES.



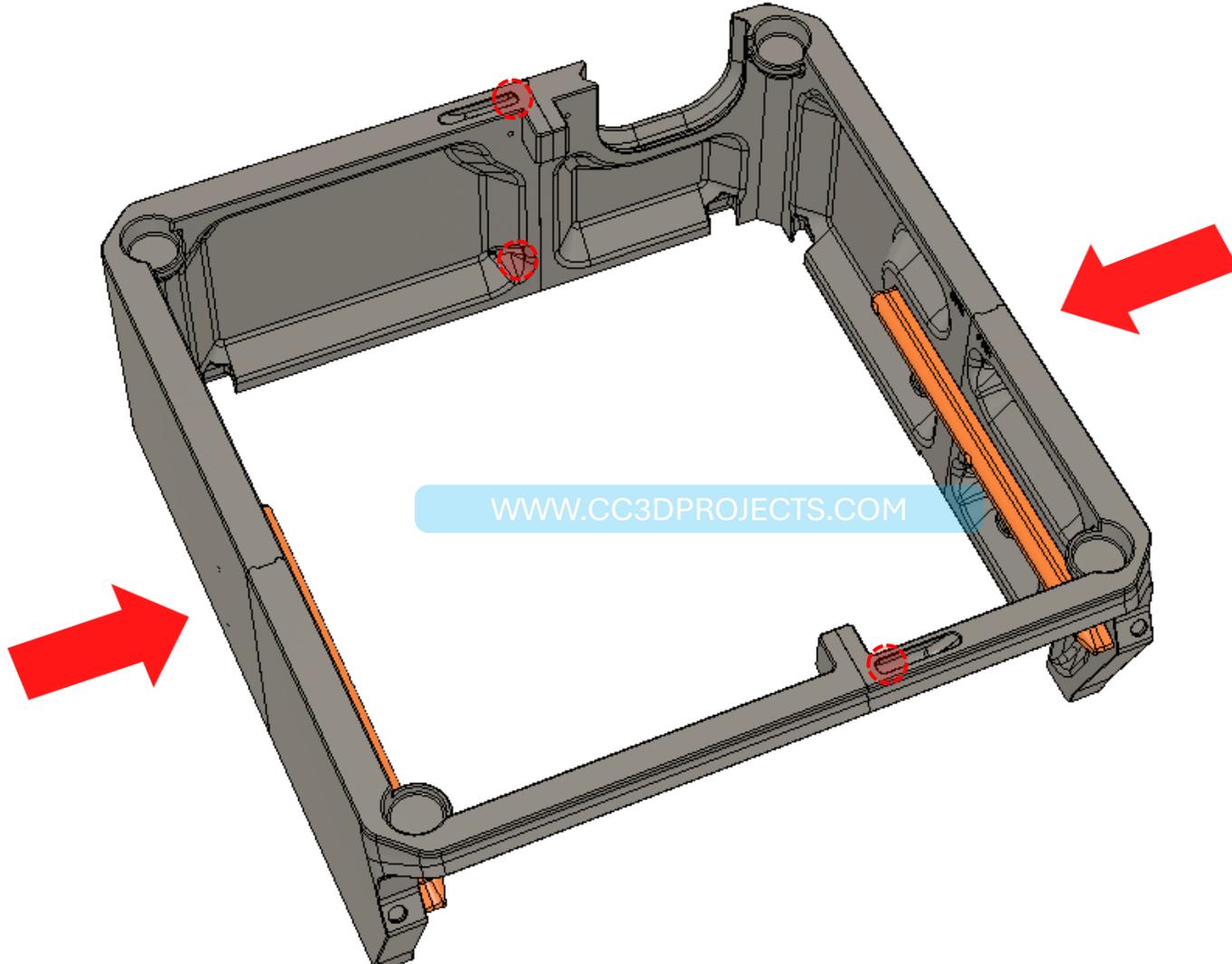
WWW.CC3DPROJECTS.COM





## FRAME ASSEMBLY

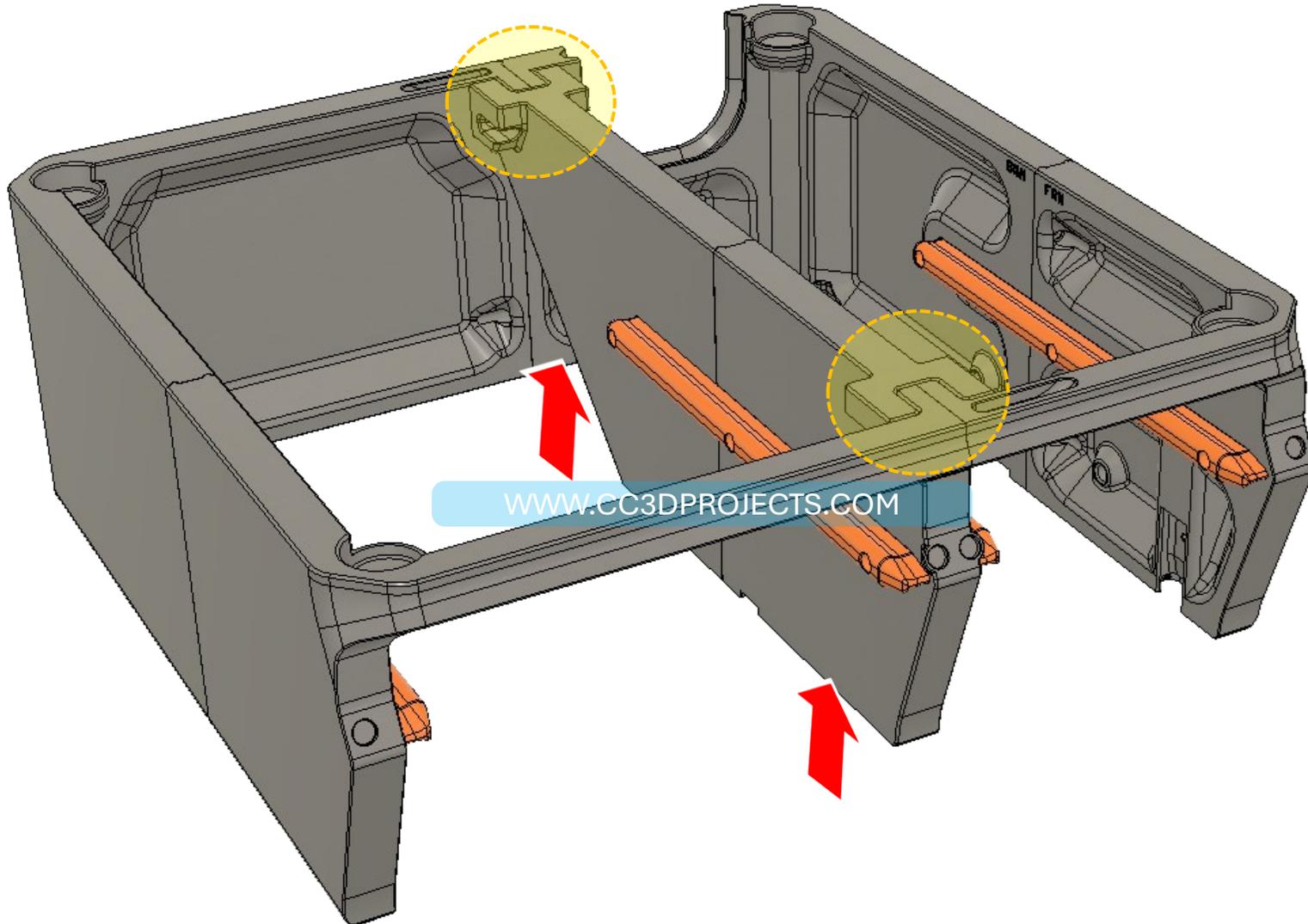
MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!  
MATCH THE PIECES JUST LIKE IN THE PICTURE AND SECURE THEM BY INSERTING AND TIGHTENING THE SCREWS INTO EACH HOLE MARKED IN RED. EASY PEASY!





# FRAME ASSEMBLY

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED! MATCH THE PIECES JUST LIKE IN THE



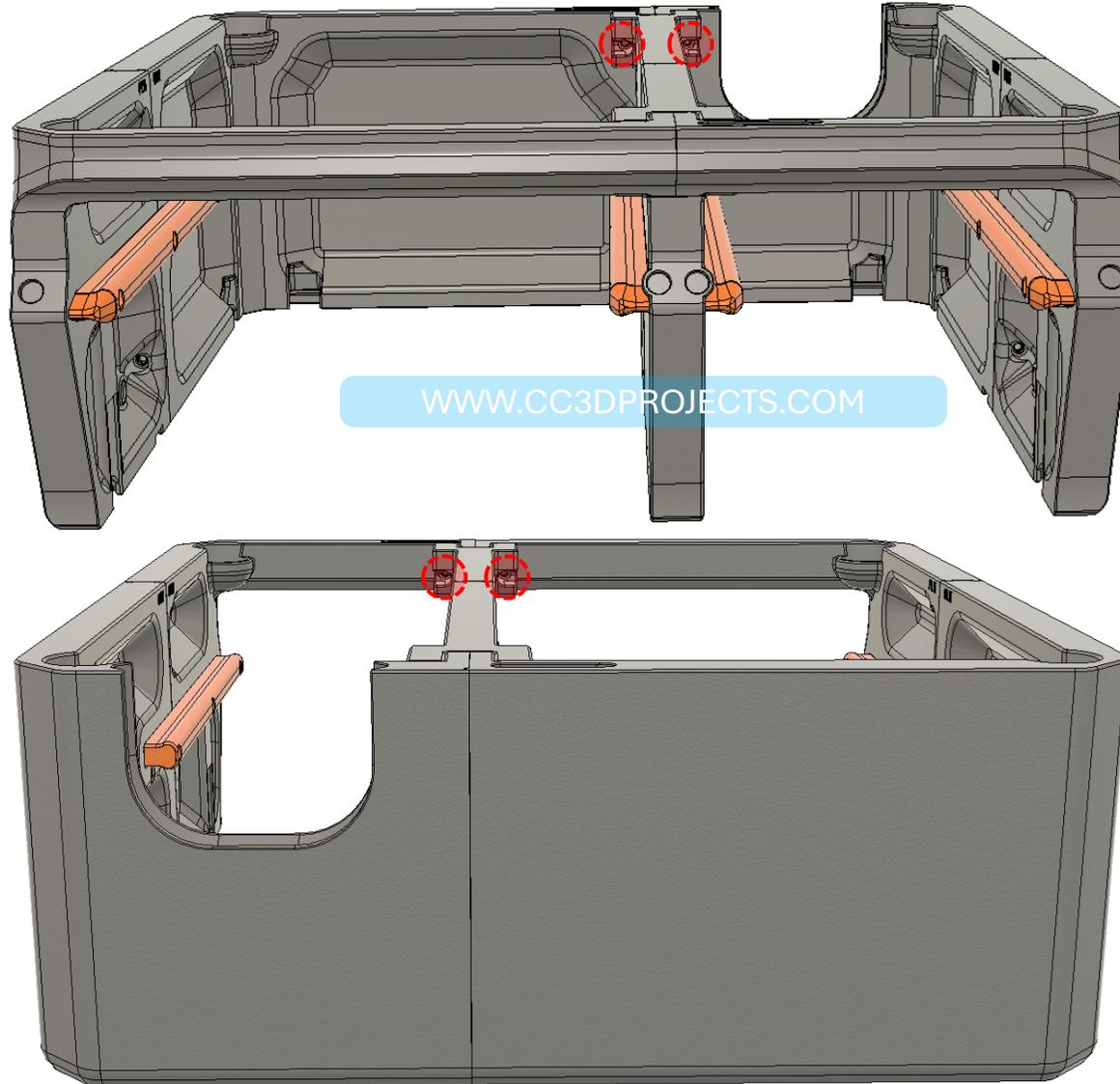


## FRAME ASSEMBLY

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!

MATCH THE PIECES JUST LIKE IN THE PICTURE CAREFULLY INSERTING THE CENTRAL PIECE FROM UNDERNEATH AND SECURE THEM BY INSERTING AND TIGHTENING THE SCREWS INTO EACH HOLE MARKED IN RED. EASY PEASY!

 Buy me a coffee

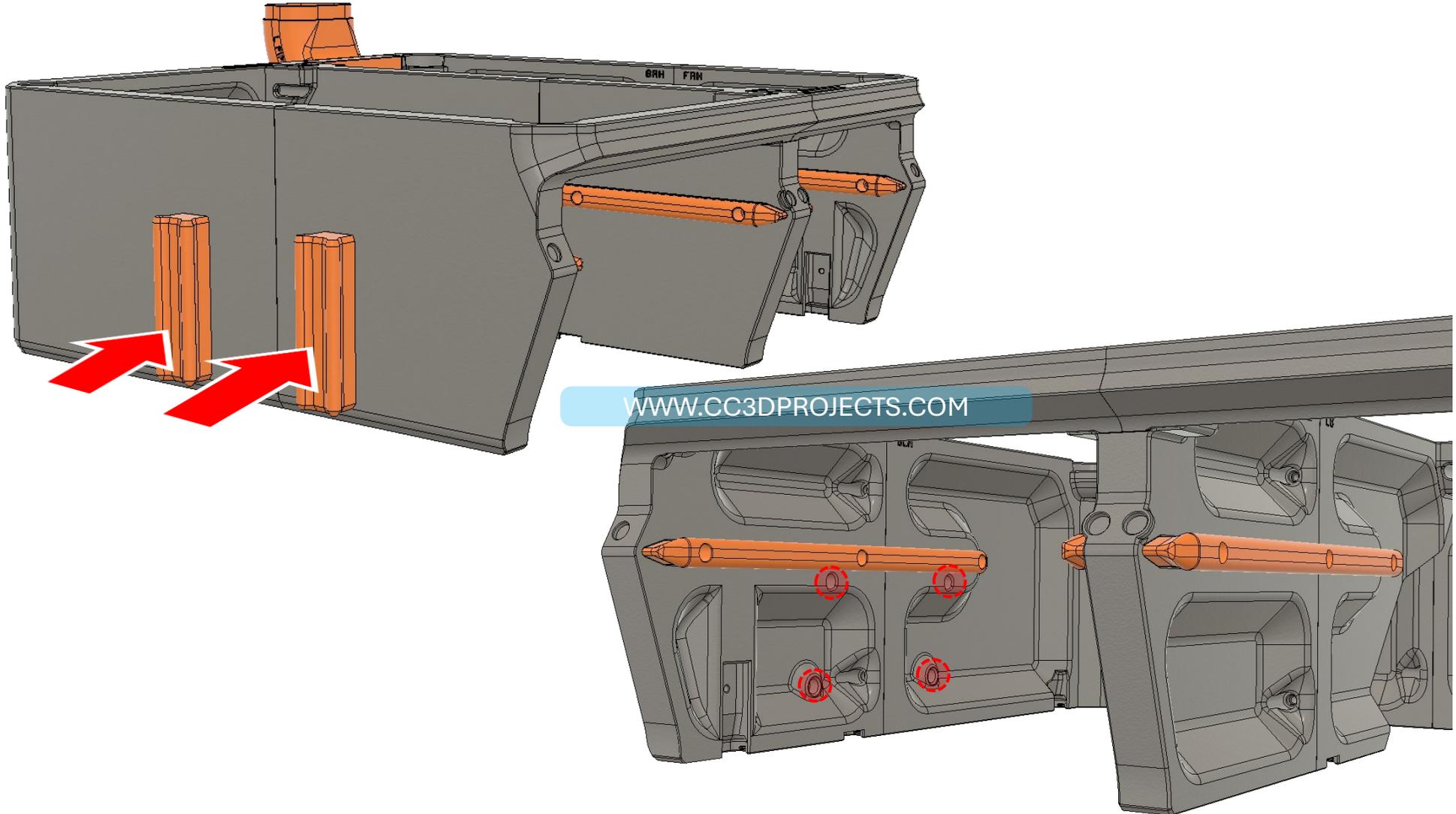




## BUILD PLATE HOLDER RAILS

NOW IT'S TIME TO ATTACH THE RAILS FOR THE BUILD PLATE SUPPORT ON THE LEFT.  
SECURE THEM WITH SCREWS THROUGH THE HIGHLIGHTED HOLES YOU PREVIOUSLY PRE-DRILLED.

 Buy me a coffee

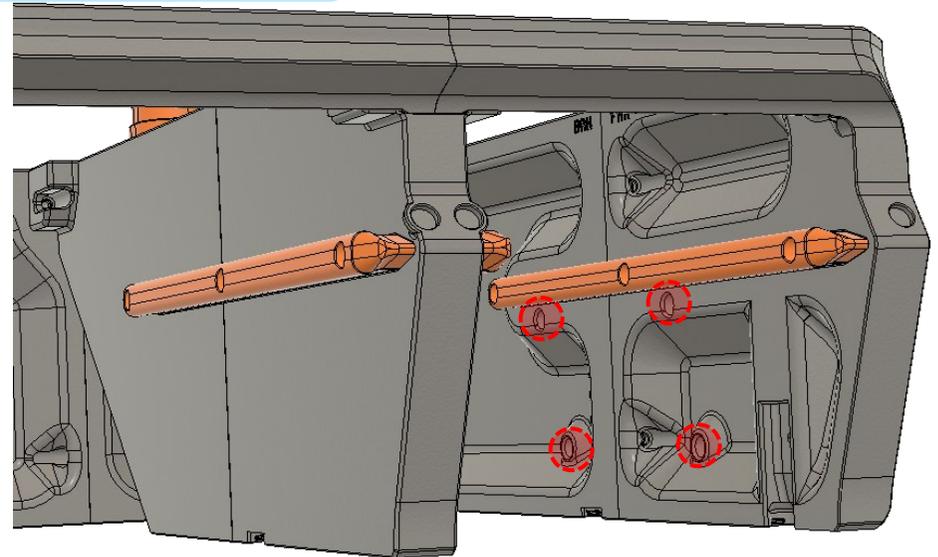
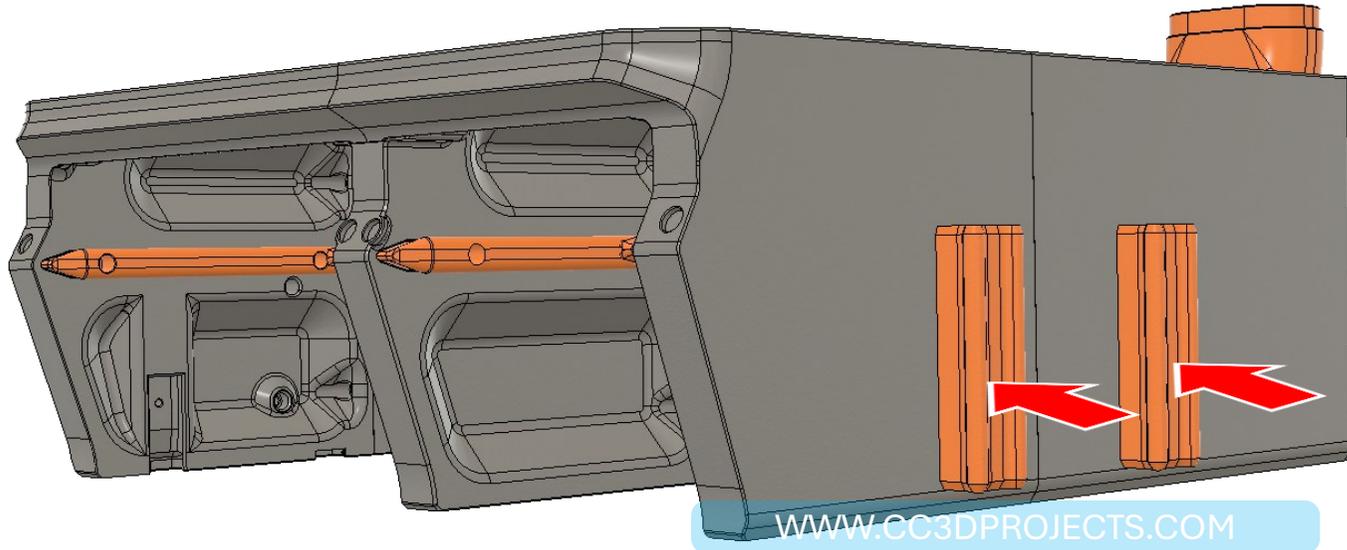


[WWW.CC3DPROJECTS.COM](http://www.cc3dprojects.com)



## SPOOL BOX RAILS

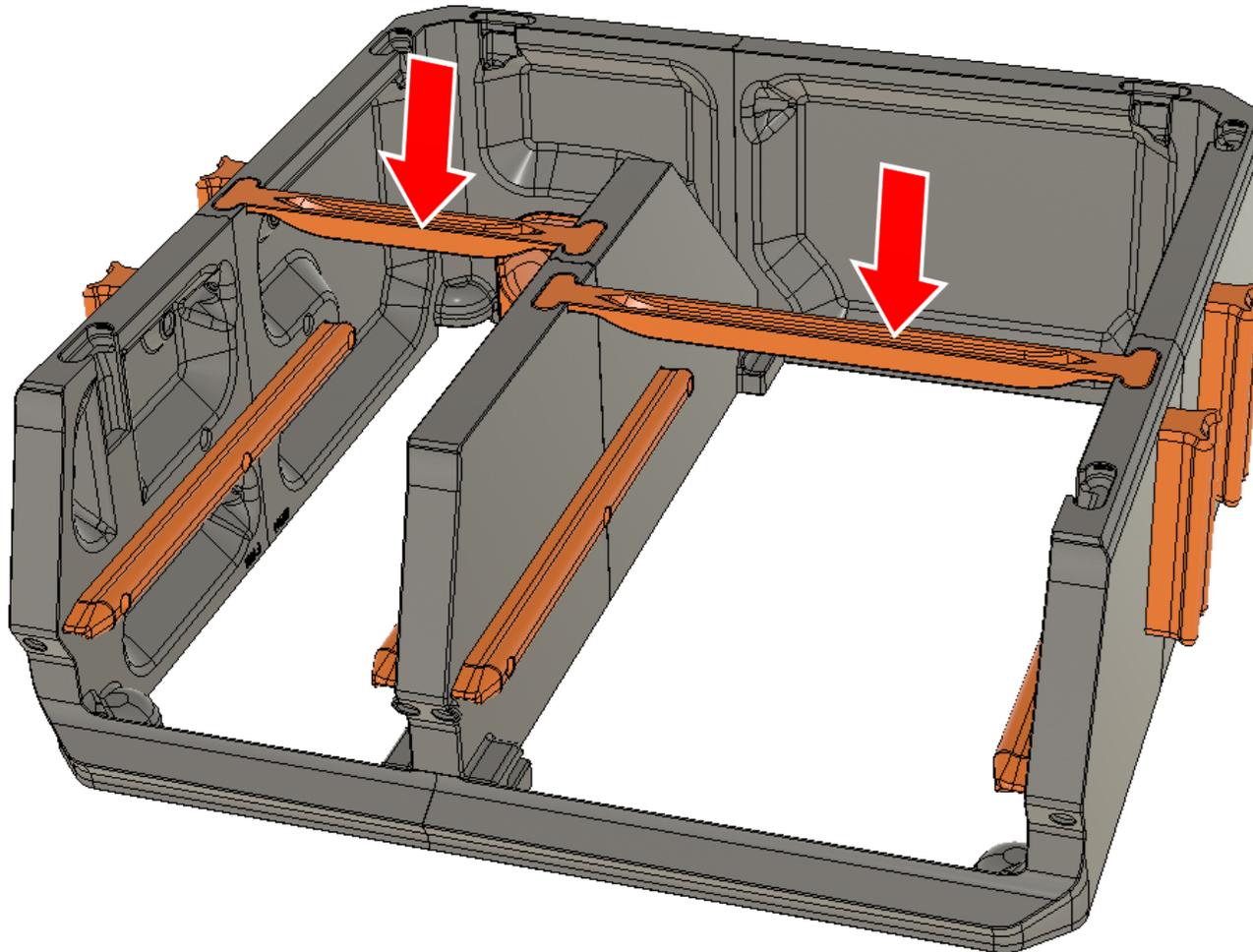
NOW IT'S TIME TO ATTACH THE RAILS FOR THE SPOOL BOX ON THE RIGHT.  
SECURE THEM WITH SCREWS THROUGH THE HIGHLIGHTED HOLES YOU PREVIOUSLY PRE-DRILLED.





## REINFORCEMENTS

NOW FLIP THE FRAME UPSIDE DOWN AND INSTALL THE LOWER STRUCTURAL REINFORCEMENTS — THEY WILL HELP STABILIZE AND STRENGTHEN THE ENTIRE FRAME.

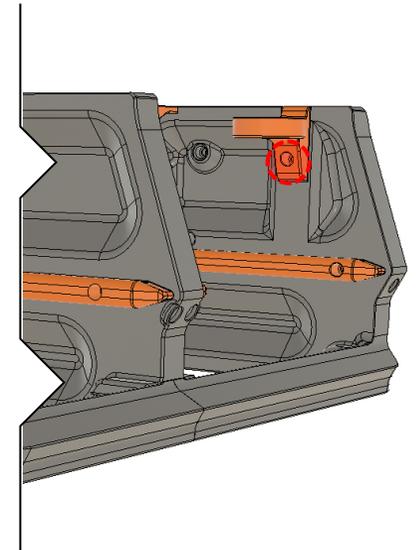
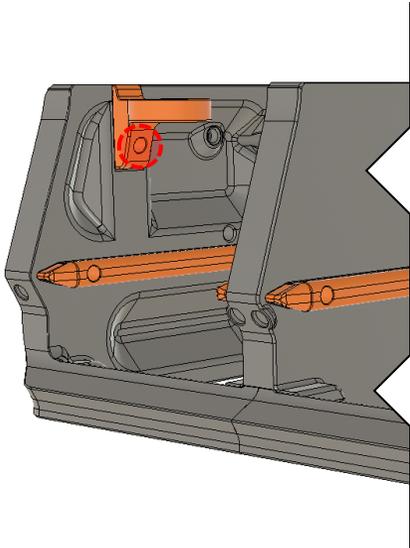
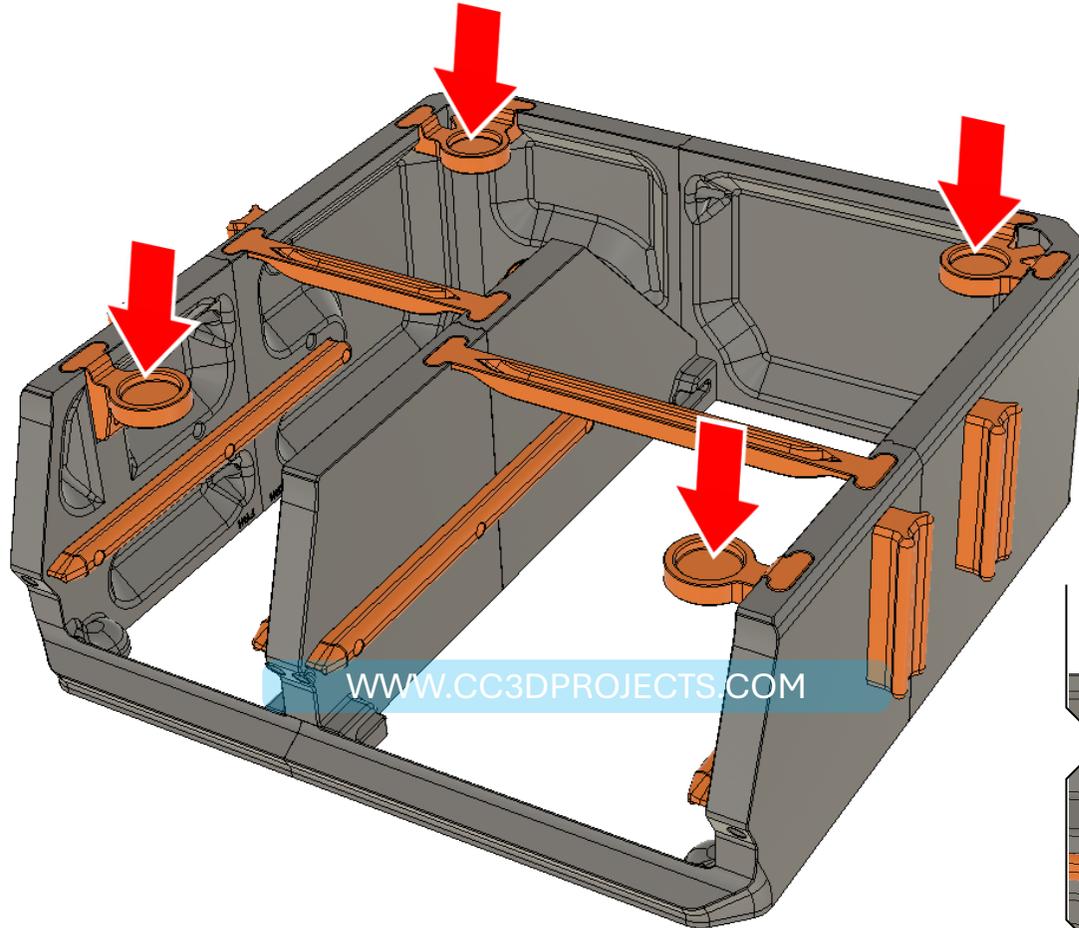




## HULA FEET SUPPORT

AT THIS POINT, IF YOU WANT TO USE THE HULA FEET, NOW IS THE TIME TO INSTALL THE DEDICATED MOUNTS. THE REAR ONES ARE SNAP-IN, WHILE THE FRONT ONES ARE ALSO SNAP-IN BUT INCLUDE A SCREW TO SECURE THEM FIRMLY TO THE FRAME USING THE HOLES HIGHLIGHTED IN RED.

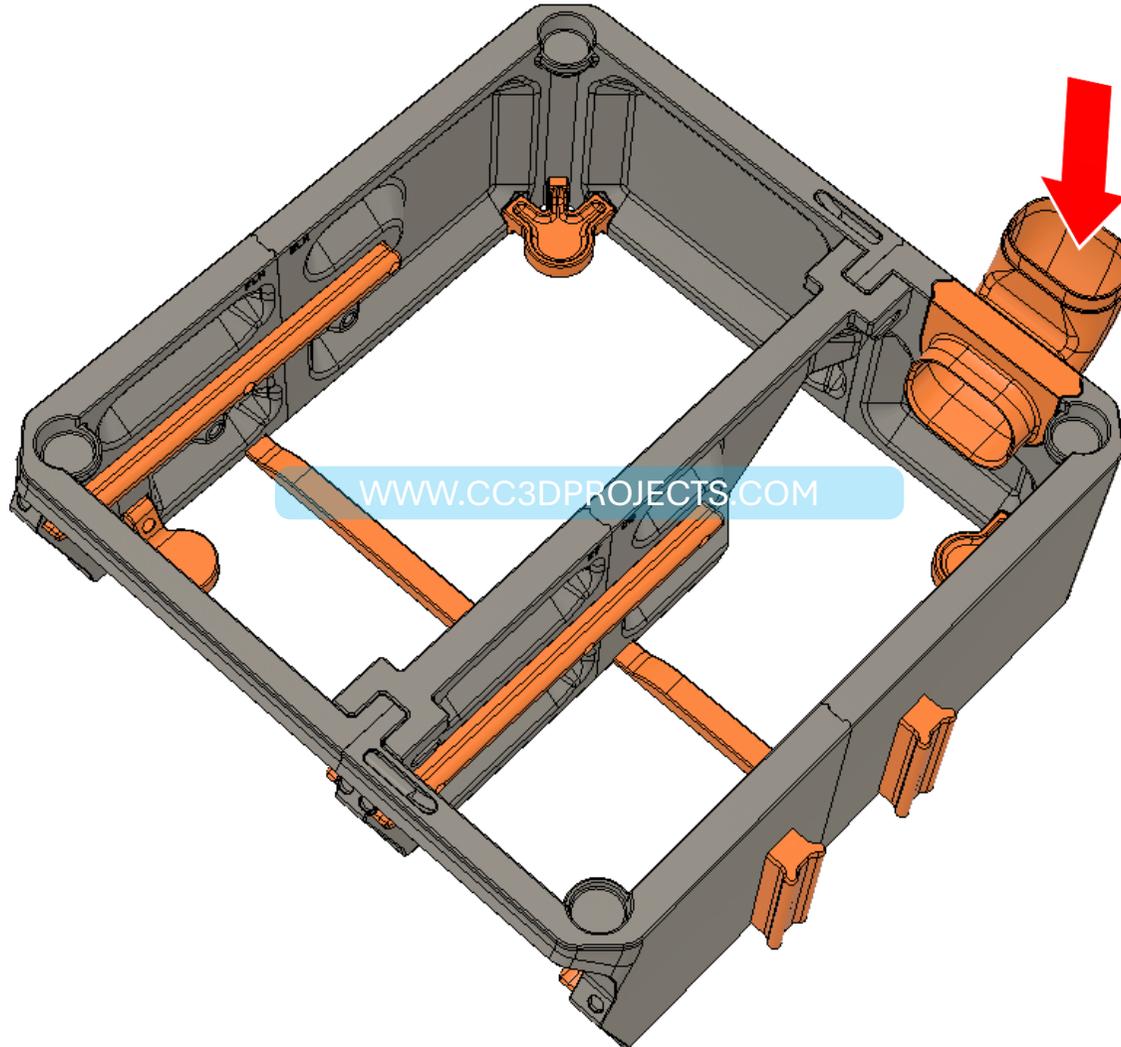
Buy me a coffee





## LOWER PIPE

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!  
NOW INSERT THE LOWER PART OF THE PIPE — IT SNAPS INTO PLACE AND DOESN'T REQUIRE SCREWS OR GLUE.

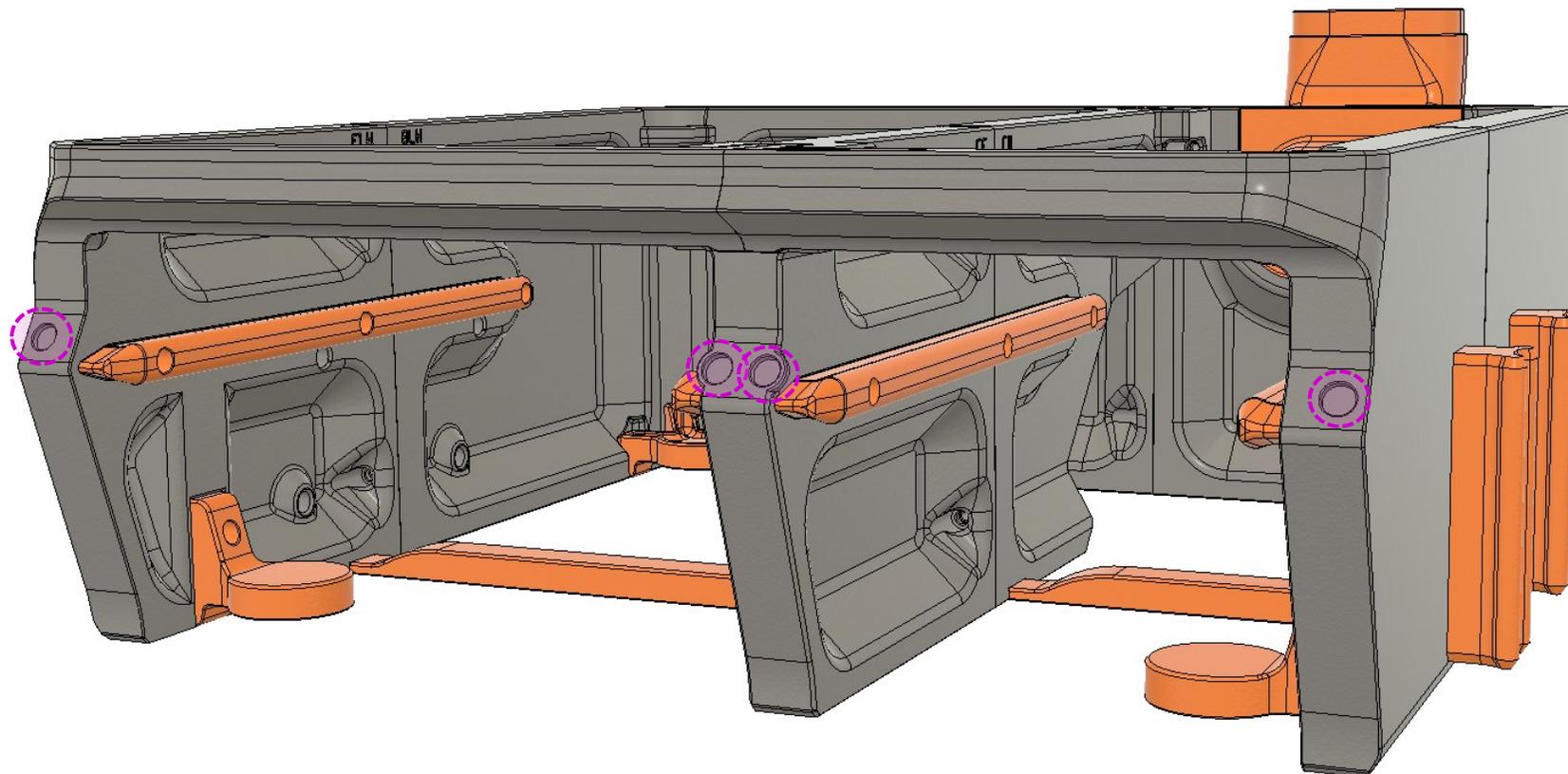




# FRAME MAGNET INSTALLATION

NOW LET'S INSTALL THE MAGNETS TO KEEP THE DRAWERS CLOSED. PLACE THE MAGNETS IN THE HIGHLIGHTED HOLES AND GLUE THEM IN WITH A DROP OF INSTANT ADHESIVE. TO MAKE INSTALLATION EASIER, USE THE FREE MAGNET INSTALLERS AVAILABLE IN THE SHOP. FOR THESE MAGNETS, USE INSTALLER A.

Buy me a coffee

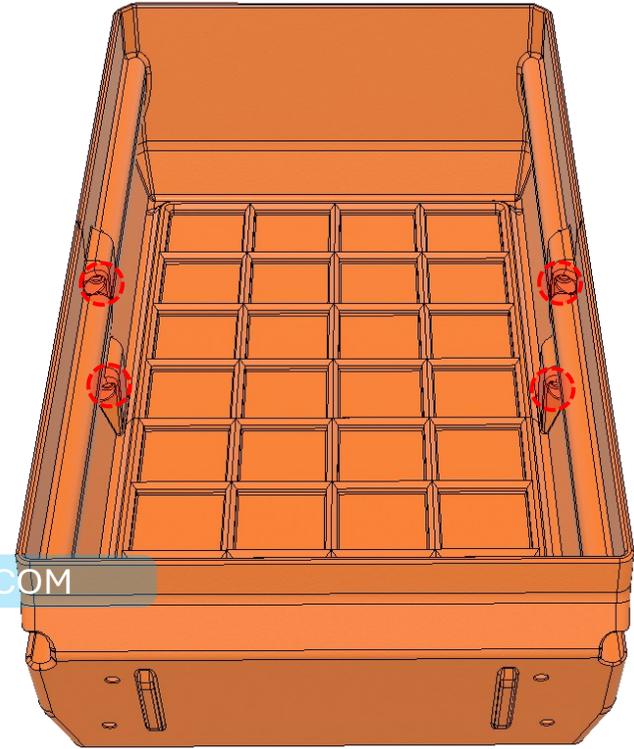
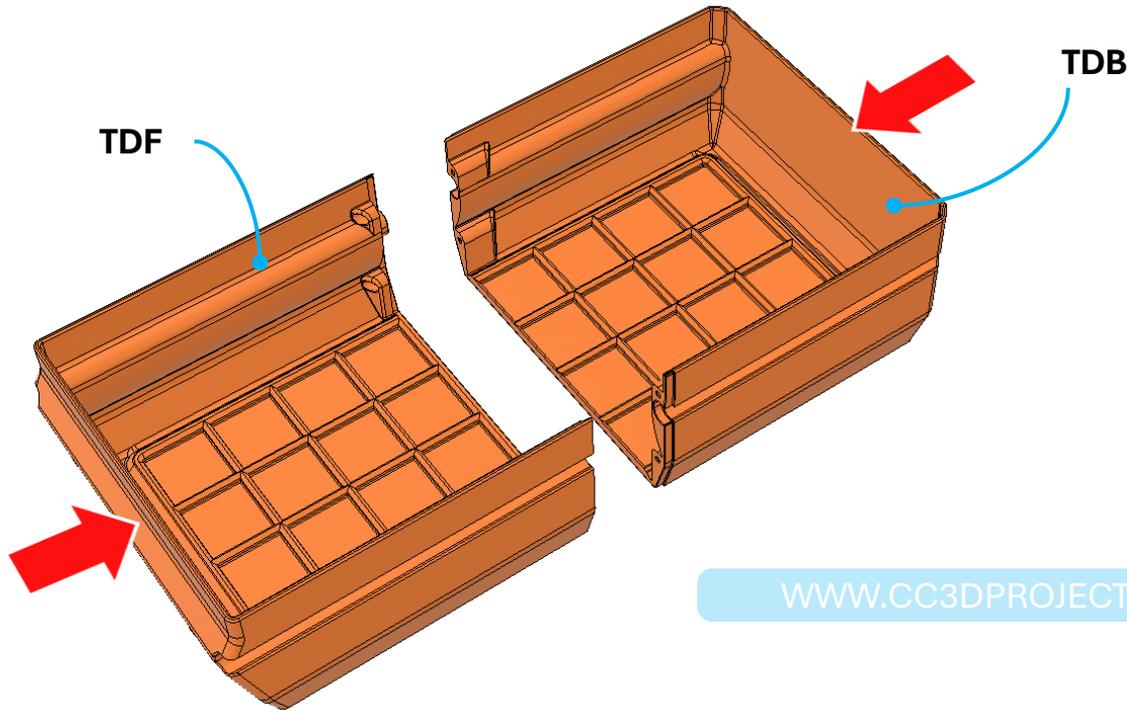




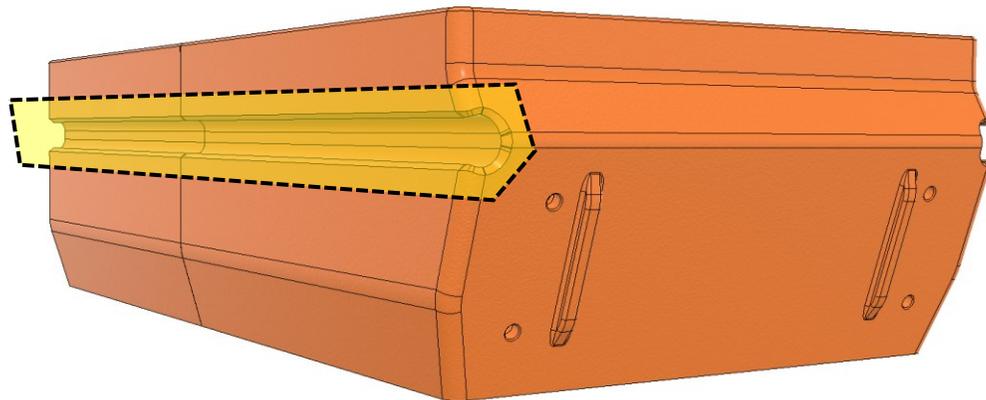
# TOOL DRAWER

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED! MATCH THE PIECES JUST LIKE IN THE PICTURE AND SECURE THEM BY INSERTING AND TIGHTENING THE SCREWS INTO EACH HOLE MARKED IN RED. EASY PEASY!

Buy me a coffee



WWW.CC3DPROJECTS.COM



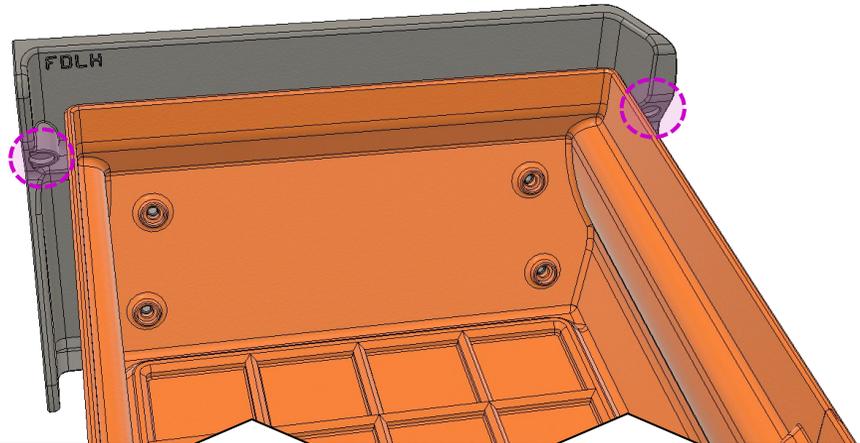
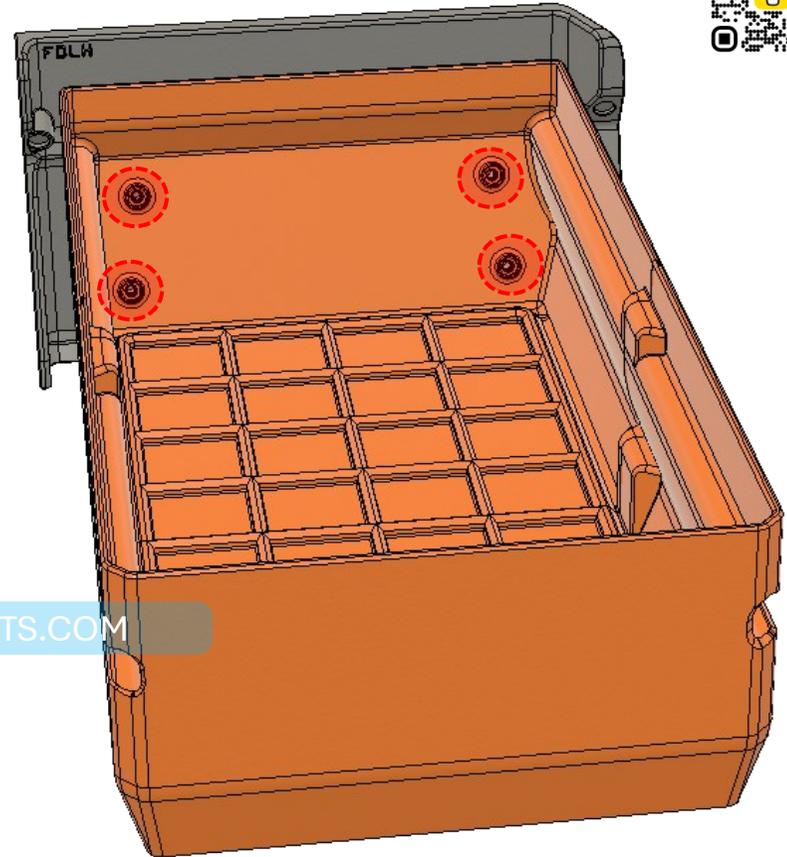
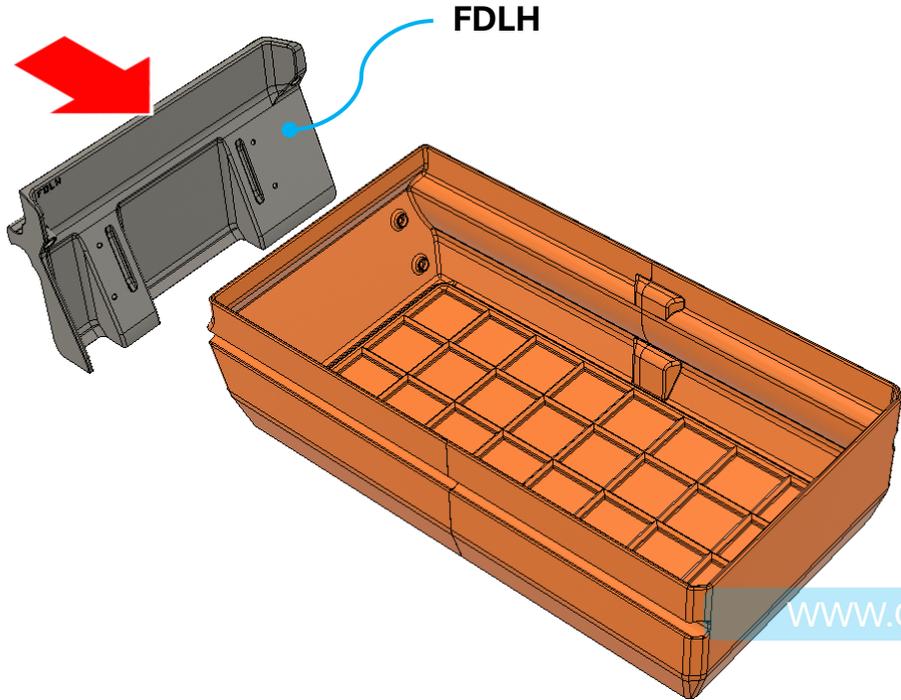
TO PREVENT THE DRAWERS FROM CREATING TOO MUCH FRICTION ON THE RAILS, I RECOMMEND SANDING OR SMOOTHING OUT THE SURFACES OF THE INDENTS — LIKE THE ONE HIGHLIGHTED — WHICH YOU'LL FIND ON BOTH SIDES OF THE DRAWER. SINCE PETG RUBBING AGAINST PETG CAN CAUSE SOME FRICTION, I ALSO SUGGEST ADDING A FEW DROPS OF LUBRICANT OR SILICONE TO IMPROVE SLIDING.



# TOOL DRAWER

NOW SECURE THE FRONT PANEL OF THE DRAWER WITH SCREWS USING THE HOLES HIGHLIGHTED IN RED.

ALSO INSTALL THE MAGNETS USING INSTALLER B IN THE HOLES HIGHLIGHTED IN PURPLE.



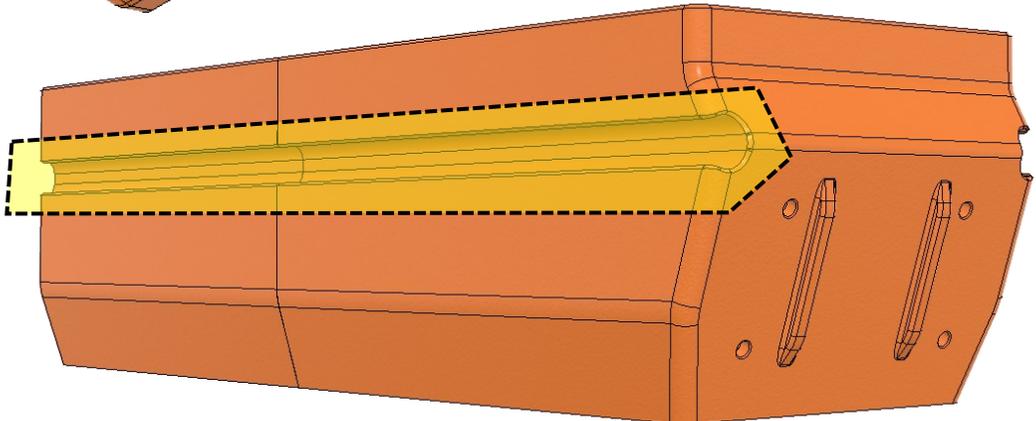
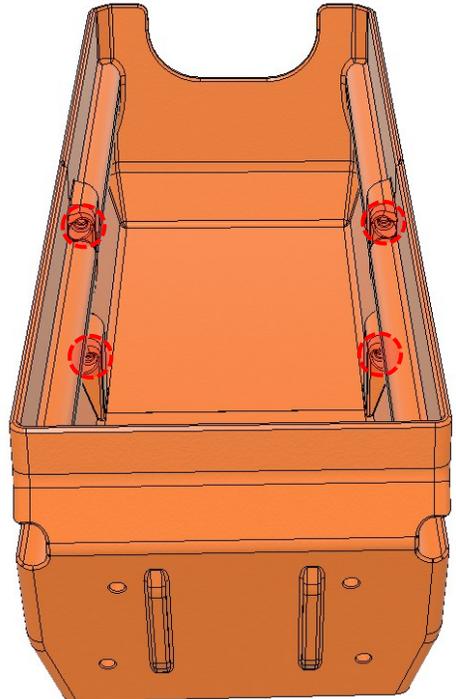
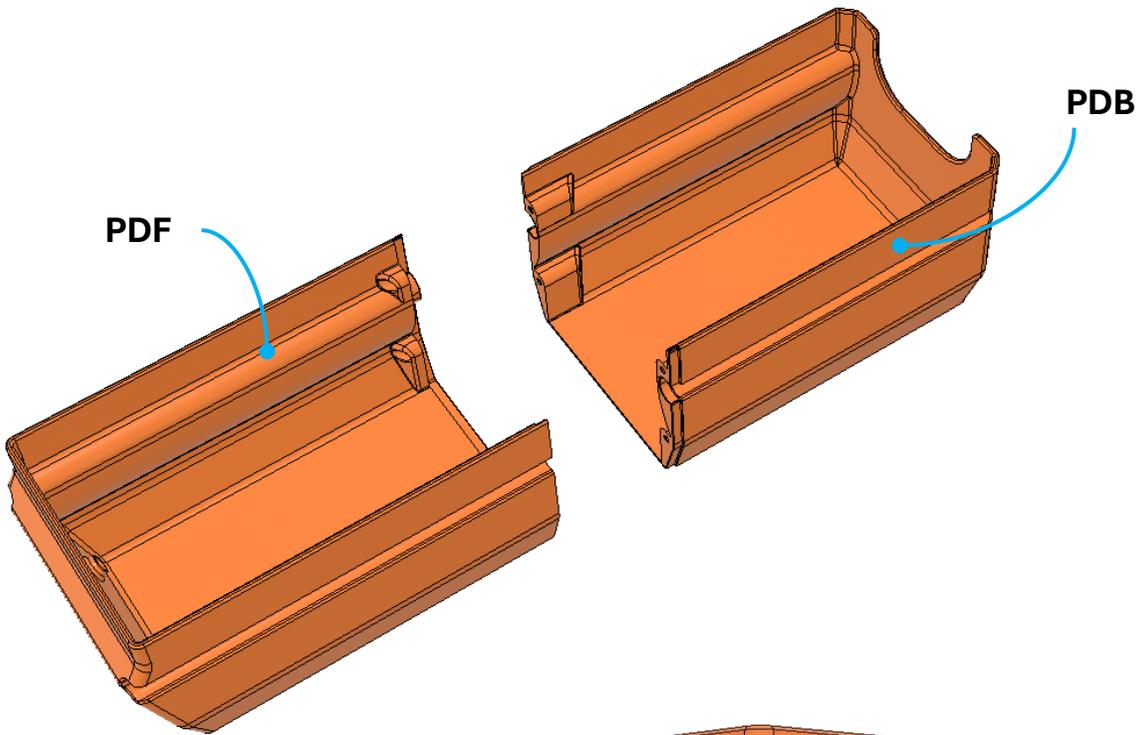
WWW.CC3DPROJECTS.COM





# POOP DRAWER

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!  
MATCH THE PIECES JUST LIKE IN THE PICTURE AND SECURE THEM BY INSERTING AND TIGHTENING THE SCREWS INTO EACH HOLE MARKED IN RED. EASY PEASY!



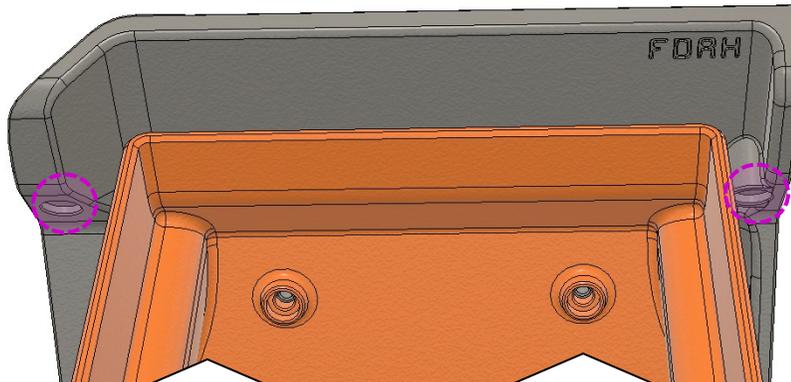
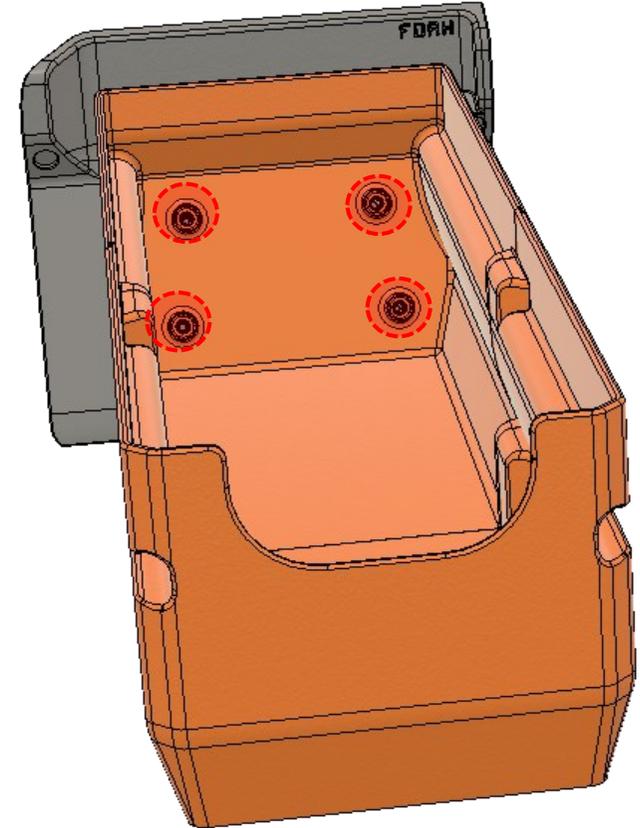
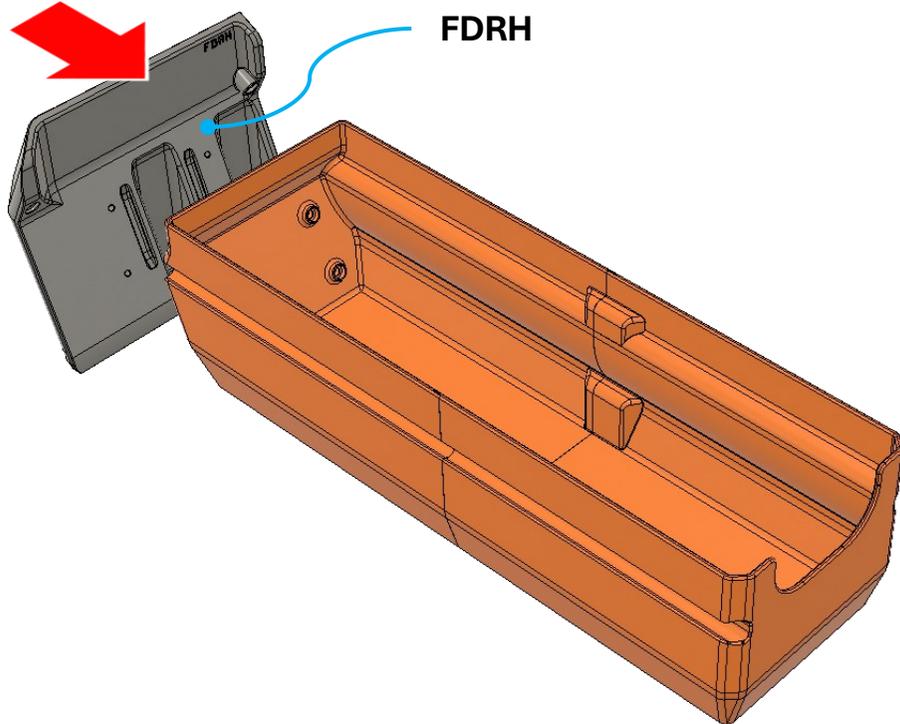
TO PREVENT THE DRAWERS FROM CREATING TOO MUCH FRICTION ON THE RAILS, I RECOMMEND SANDING OR SMOOTHING OUT THE SURFACES OF THE INDENTS — LIKE THE ONE HIGHLIGHTED — WHICH YOU'LL FIND ON BOTH SIDES OF THE DRAWER. SINCE PETG RUBBING AGAINST PETG CAN CAUSE SOME FRICTION, I ALSO SUGGEST ADDING A FEW DROPS OF LUBRICANT OR SILICONE TO IMPROVE SLIDING.



# POOP DRAWER

NOW SECURE THE FRONT PANEL OF THE DRAWER WITH SCREWS USING THE HOLES HIGHLIGHTED IN RED.

ALSO INSTALL THE MAGNETS USING INSTALLER B IN THE HOLES HIGHLIGHTED IN PURPLE.

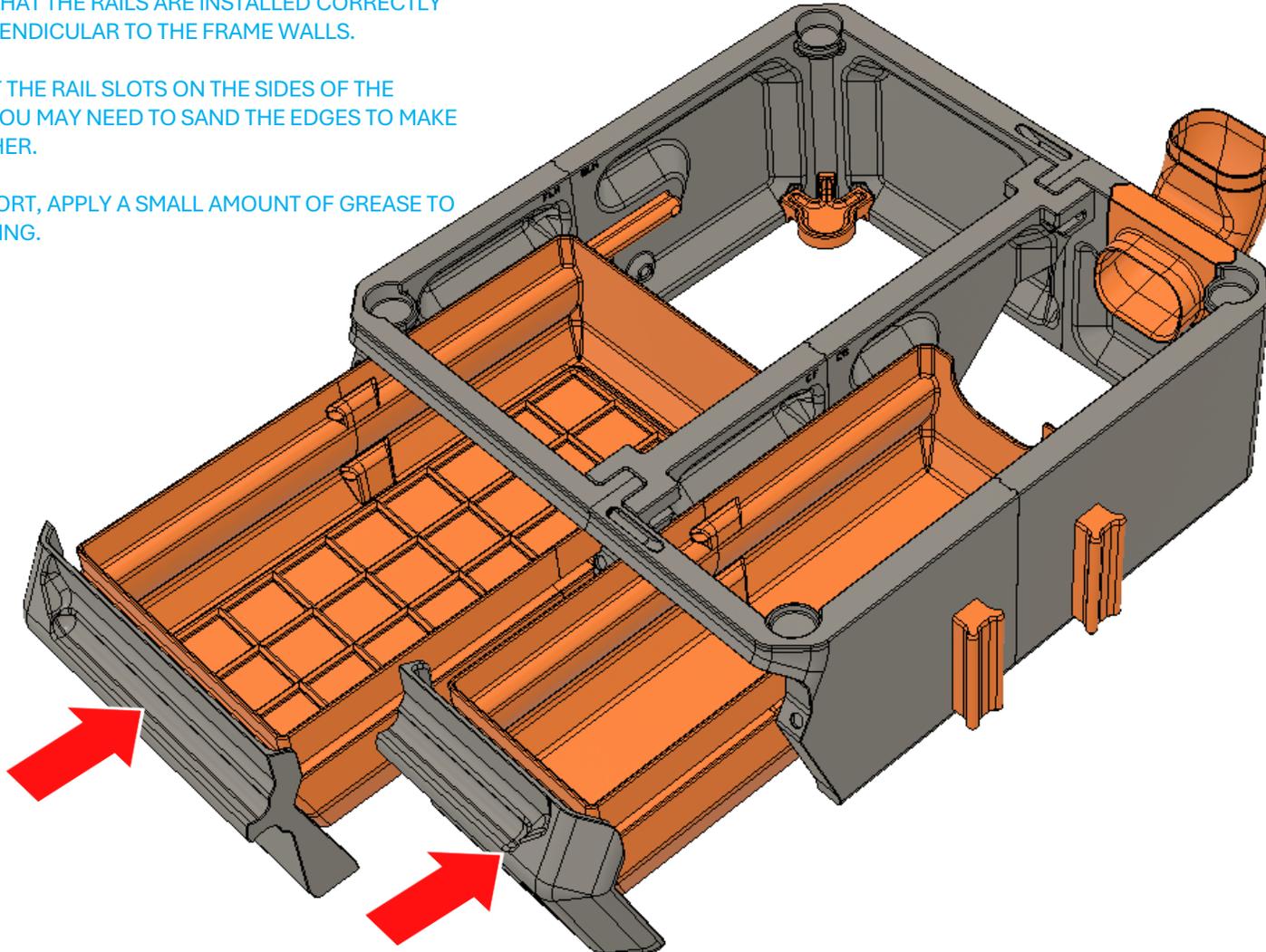




## TEST THE DRAWERS

IT'S TIME TO TEST THE DRAWERS TO SEE HOW THEY SLIDE. IF THEY DON'T SLIDE SMOOTHLY...  
FIRST CHECK THAT THE RAILS ARE INSTALLED CORRECTLY AND ARE PERPENDICULAR TO THE FRAME WALLS.

- FIRST CHECK THAT THE RAILS ARE INSTALLED CORRECTLY AND ARE PERPENDICULAR TO THE FRAME WALLS.
- NEXT, INSPECT THE RAIL SLOTS ON THE SIDES OF THE DRAWERS — YOU MAY NEED TO SAND THE EDGES TO MAKE THEM SMOOTHER.
- AS A LAST RESORT, APPLY A SMALL AMOUNT OF GREASE TO IMPROVE GLIDING.



 Buy me a coffee



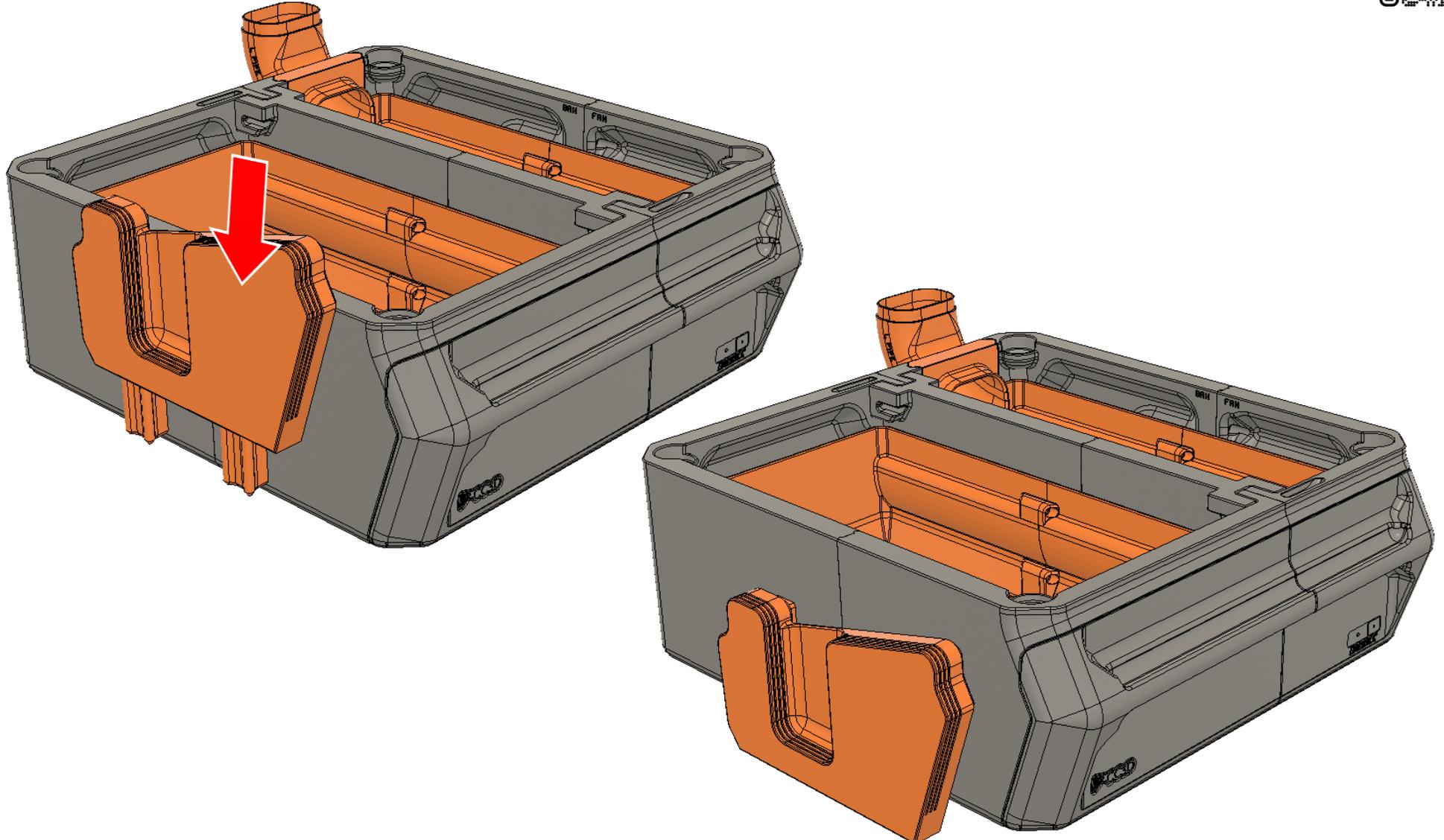


## INSTALL THE BUILD PLATE SUPPORT

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!

SIMPLY TAKE THE BUILD PLATE SUPPORT AND SLIDE IT ONTO THE RAILS, AS SHOWN IN THE PHOTO — AND VOILÀ!

 Buy me a coffee

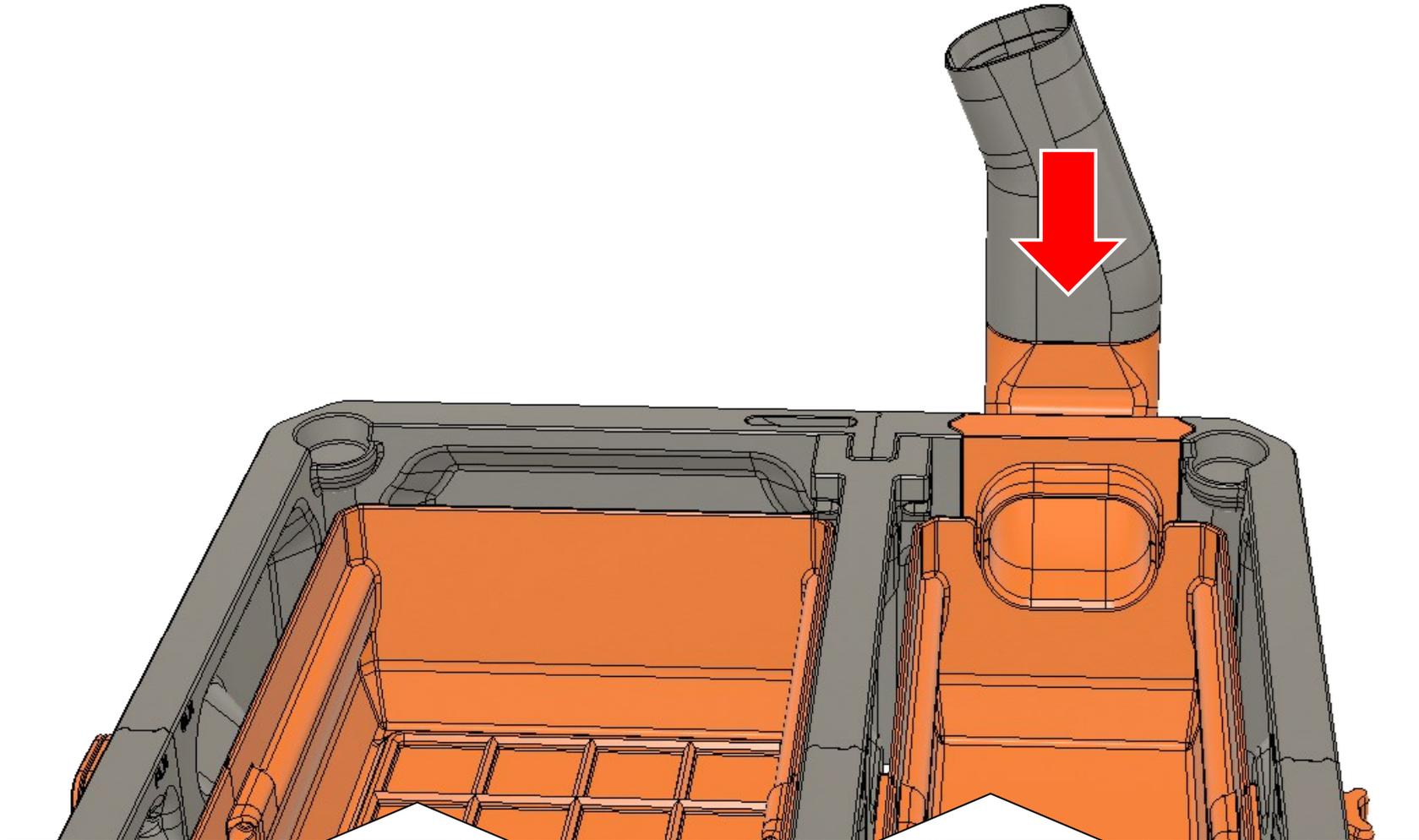




## BACK PIPE MIDDLE SECTION

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!

SIMPLY TAKE THE CENTER PIECE OF THE PIPE AND SLIDE IT IN, AS SHOWN IN THE PHOTO.

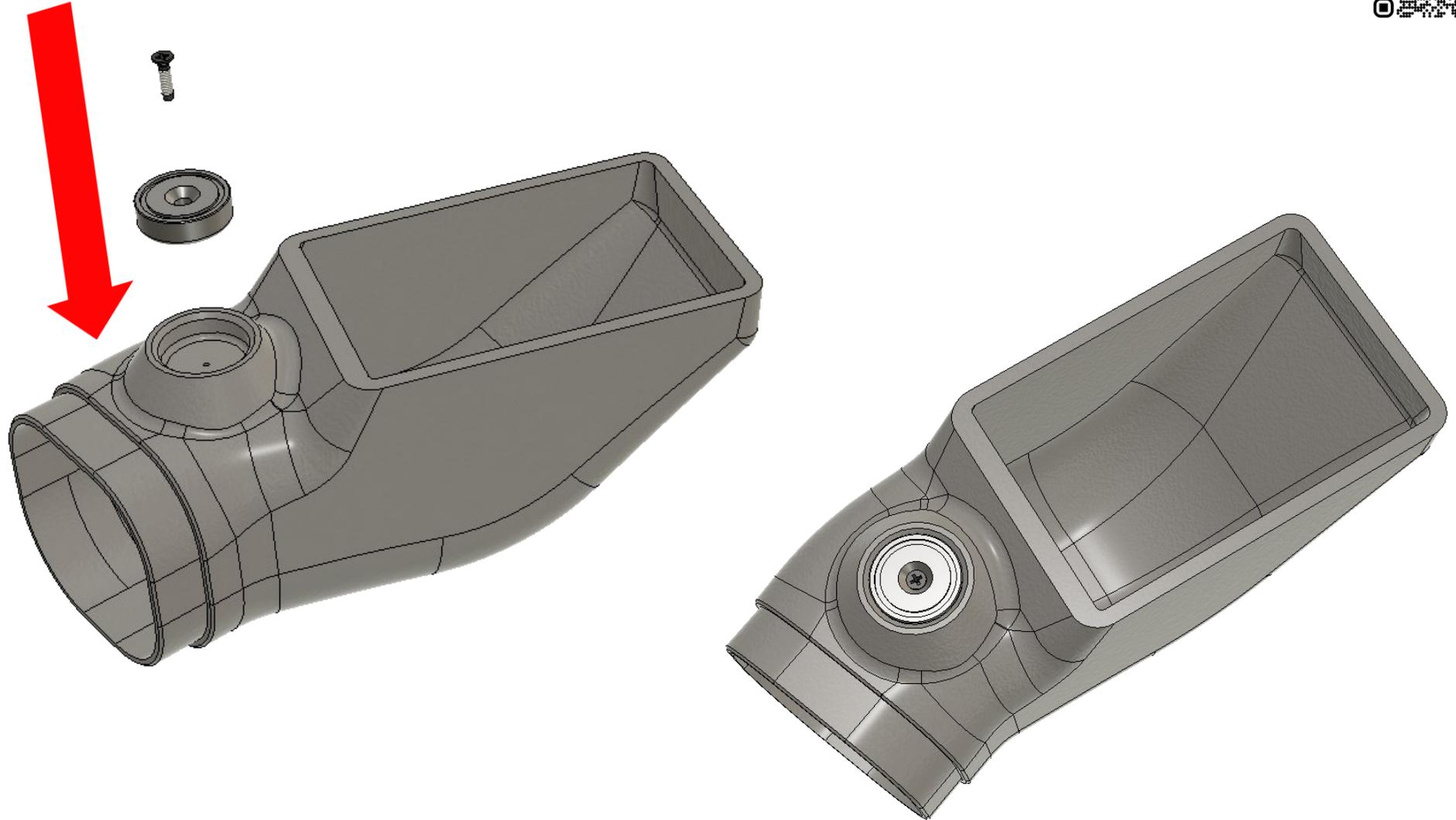




## BACK PIPE TOP SECTION

MAKE SURE ALL PARTS AND CONNECTION POINTS ARE CLEAN AND FREE FROM ANY DEBRIS OR LEFTOVER BITS. EVERYTHING SHOULD FIT TOGETHER NICE AND SMOOTH—NO ROUGH EDGES ALLOWED!

THIS PART OF THE PIPE REQUIRES AN EXTRA STEP TO INSTALL THE MAGNET THAT WILL KEEP THE PIPE SECURED TO THE BACK OF THE PRINTER. TAKE THE MAGNET AND USE THE SCREW TO FIRMLY ATTACH IT TO THE PIPE.

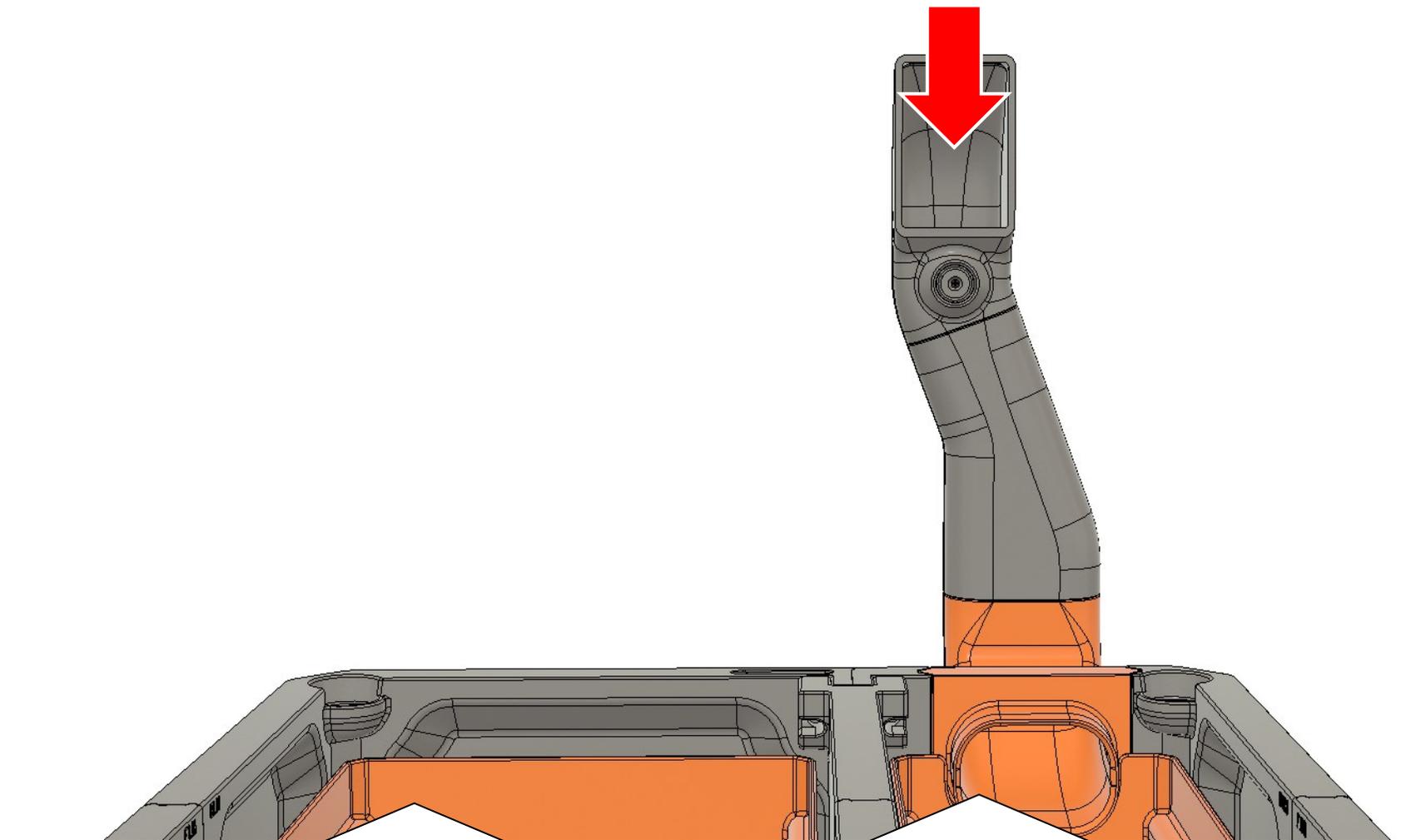




## LEFT SIDE DRAWER

NOW SNAP THE UPPER PART OF THE PIPE INTO PLACE — JOB DONE.

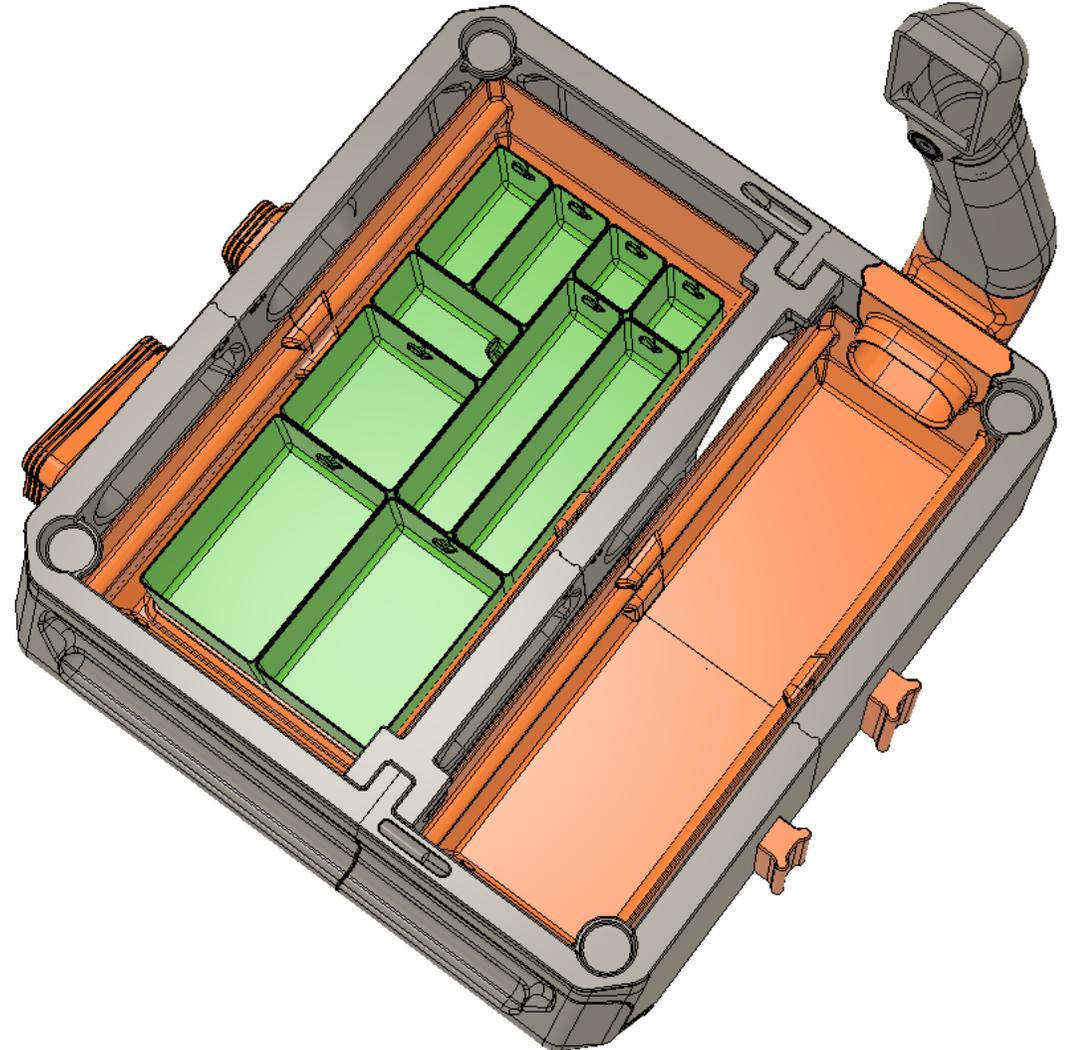
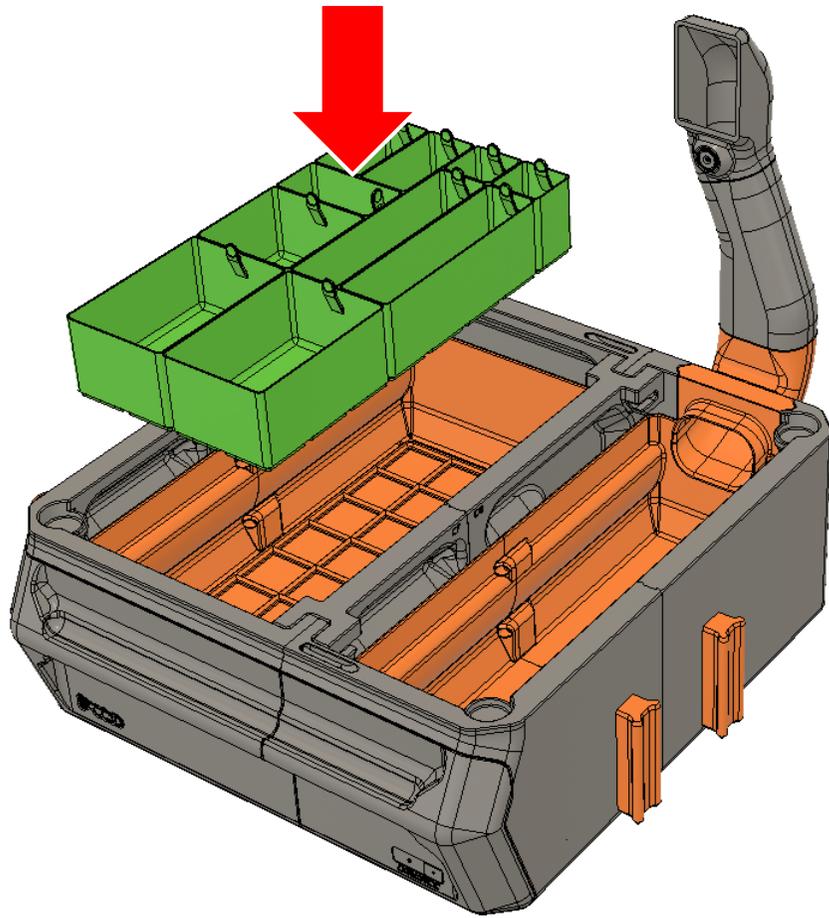
 Buy me a coffee





# GRIDFINITY BOXES

HERE WE ARE WITH THE SMALL TOOL DRAWERS — THIS SETUP WORKS WELL FOR MY NEEDS, BUT FEEL FREE TO CONFIGURE THEM HOWEVER YOU PREFER, THEN SLIDE THEM INTO THE DRAWER.

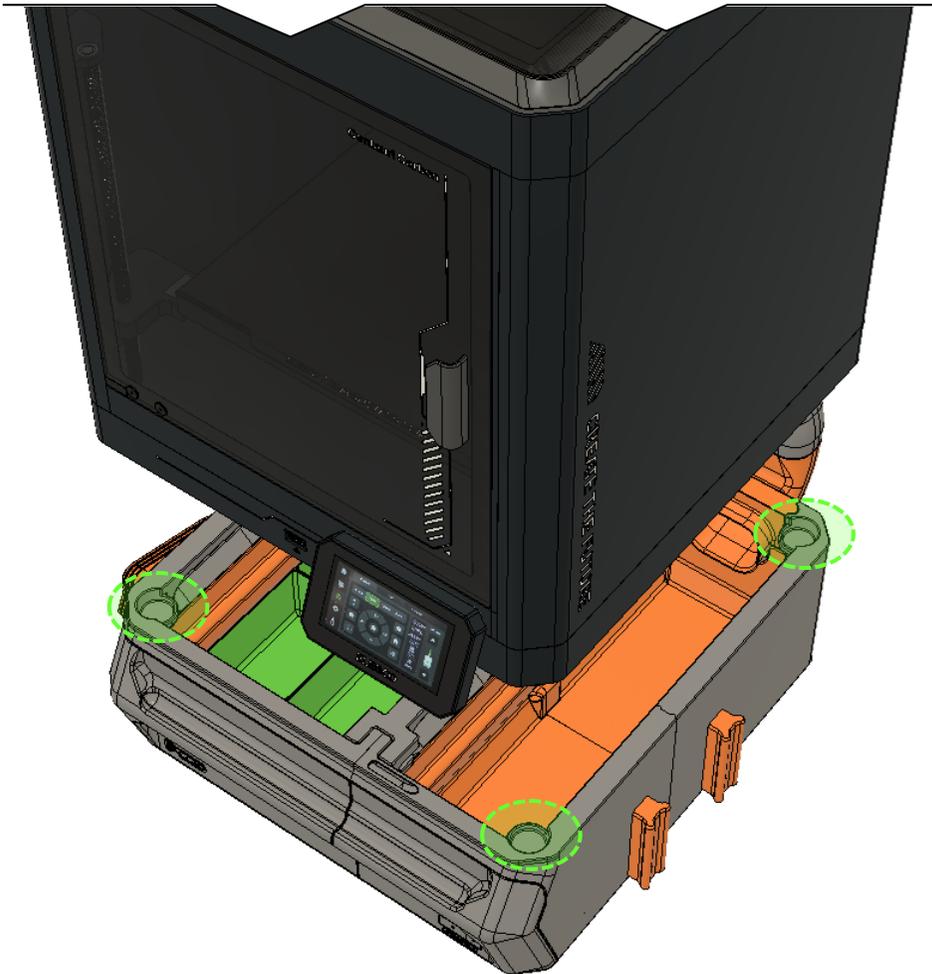




# PLACE THE PRINTER

NOW YOU'LL NEED TO INSTALL THE PRINTER ONTO THE DRAWER. I RECOMMEND REMOVING THE REAR PIPE AND GETTING SOMEONE TO HELP YOU — I STRUGGLED TO DO IT ALONE... LOL

THE PRINTER FEET SHOULD BE INSERTED INTO THE FOUR HOLES ON THE TOP OF THE DRAWER, WHICH I'VE HIGHLIGHTED IN GREEN.





THANKS FOR STICKING WITH ME THROUGH THIS ASSEMBLY GUIDE!  
IT TOOK ME HOURS TO PUT THIS GUIDE TOGETHER, AND I TRULY HOPE IT'S BEEN CLEAR AND  
EASY TO FOLLOW.  
IF THERE'S ANYTHING THAT WASN'T SUPER CLEAR OR IF YOU FEEL LIKE SOMETHING'S MISSING,  
DON'T HESITATE TO REACH OUT.  
I'M ALWAYS HERE TO HELP AND PROVIDE ANY SUPPORT OR CLARIFICATION YOU NEED.

ENJOY YOUR NEW FEATURE!

CIAO!!!



Buy me a coffee



© 2025 CC3DPROJECTS. ALL RIGHTS RESERVED.

THIS MANUAL IS PROTECTED BY COPYRIGHT LAW AND MAY NOT BE REPRODUCED, DISTRIBUTED, OR USED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF THE AUTHOR OR PUBLISHER. ANY VIOLATION WILL BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

THE DRWRCC AND ALL ITS COMPONENTS, INCLUDING BUT NOT LIMITED TO DESIGNS, SCHEMATICS, ASSEMBLY INSTRUCTIONS, AND PHOTOGRAPHS, ARE THE EXCLUSIVE PROPERTY OF ENRICO MAZZAROL AND ARE PROTECTED BY COPYRIGHT LAW AND OTHER INTELLECTUAL PROPERTY LAWS.

COPYING, DISTRIBUTING, MODIFYING, REPRODUCING, TRANSMITTING, OR USING THE HDRY SYSTEM IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF CC3DPROJECTS IS PROHIBITED.

FOR USAGE REQUESTS, PERMISSIONS, OR OTHER INQUIRIES, PLEASE CONTACT [CC3DPROJECT@GMAIL.COM](mailto:CC3DPROJECT@GMAIL.COM).