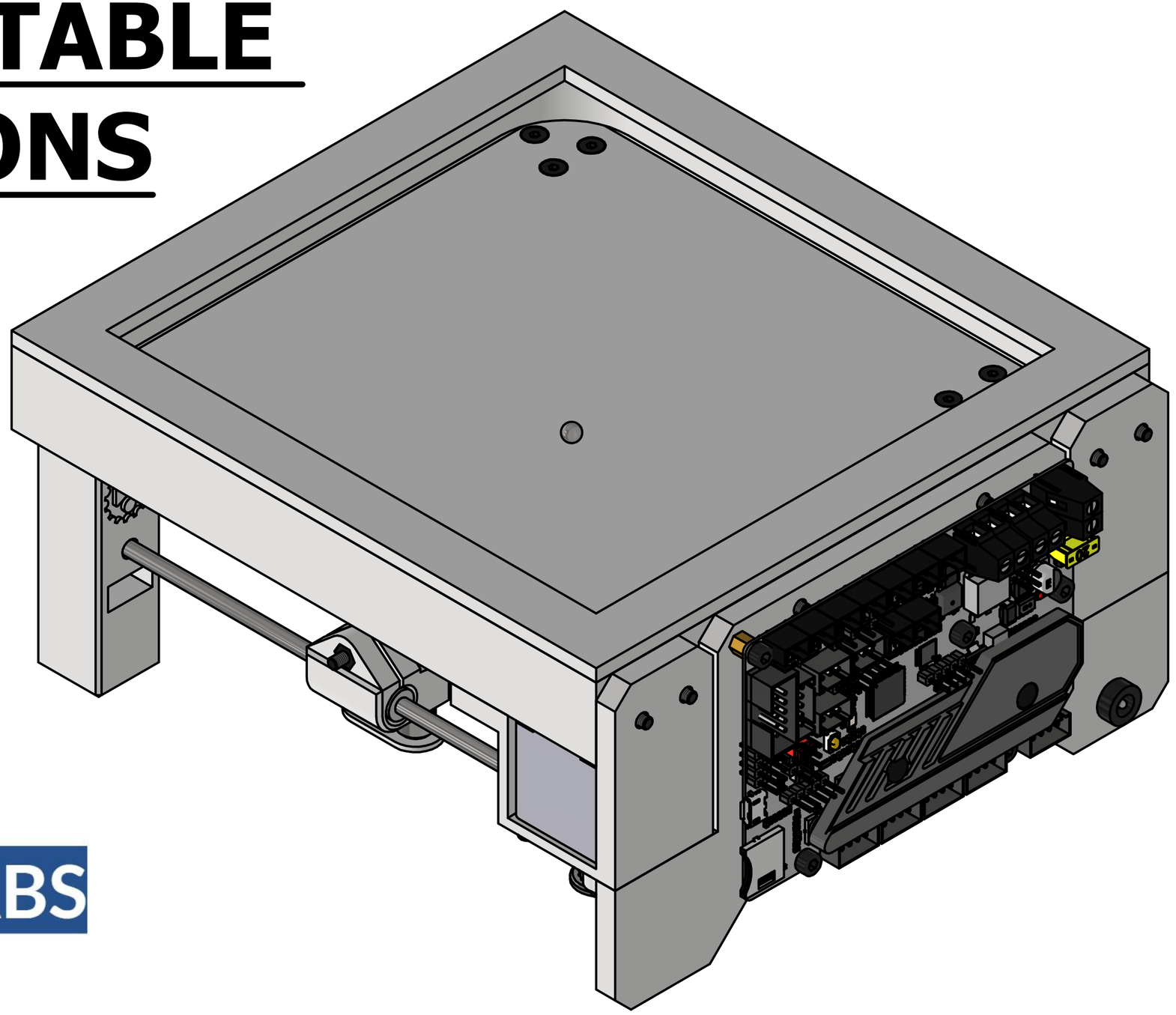
MINI SAND TABLE INSTRUCTIONS

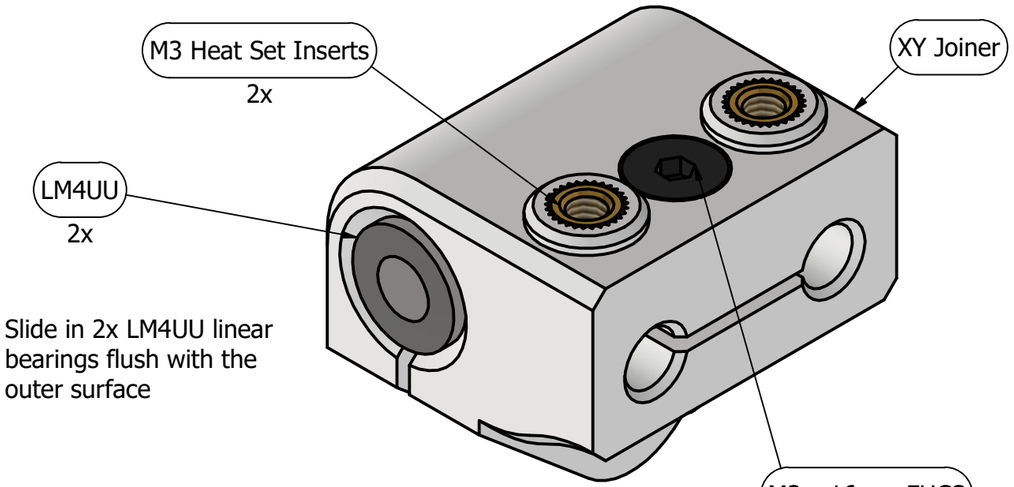
CREATED BY OZZMEDIA LABS



Ozzmedia LABS

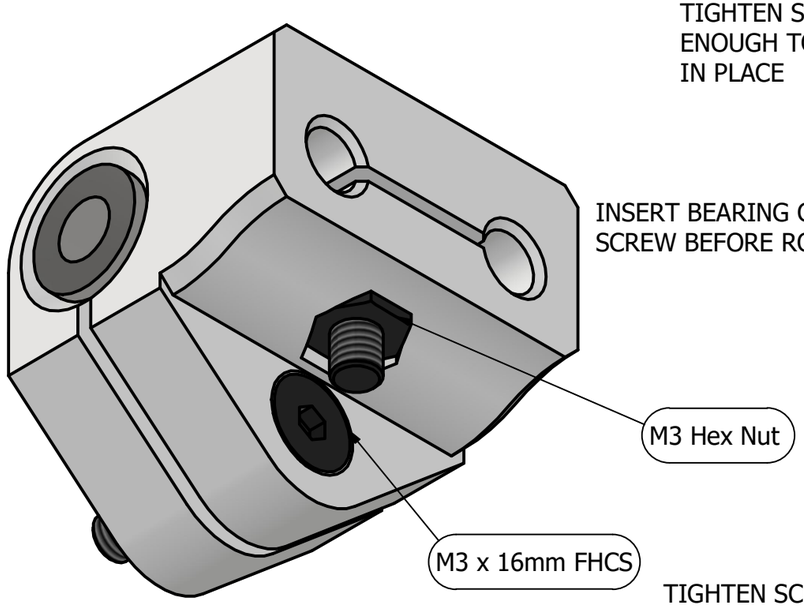
STEP 1

Using soldering iron melt in heat set inserts until flush with the outer surface



Slide in 2x LM4UU linear bearings flush with the outer surface

TIGHTEN SCREW ONLY ENOUGH TO HOLD NUT IN PLACE

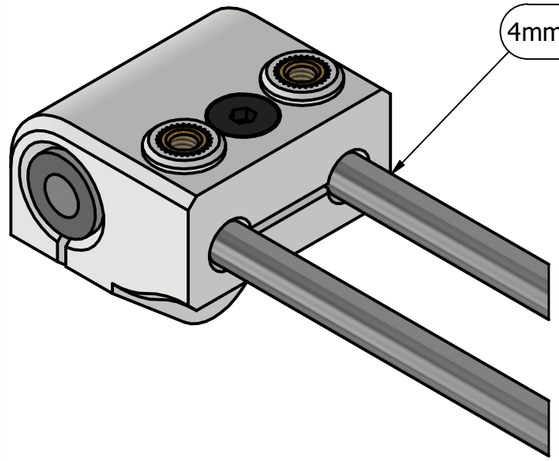


INSERT BEARING CLAMP SCREW BEFORE ROD CLAMP SCREW

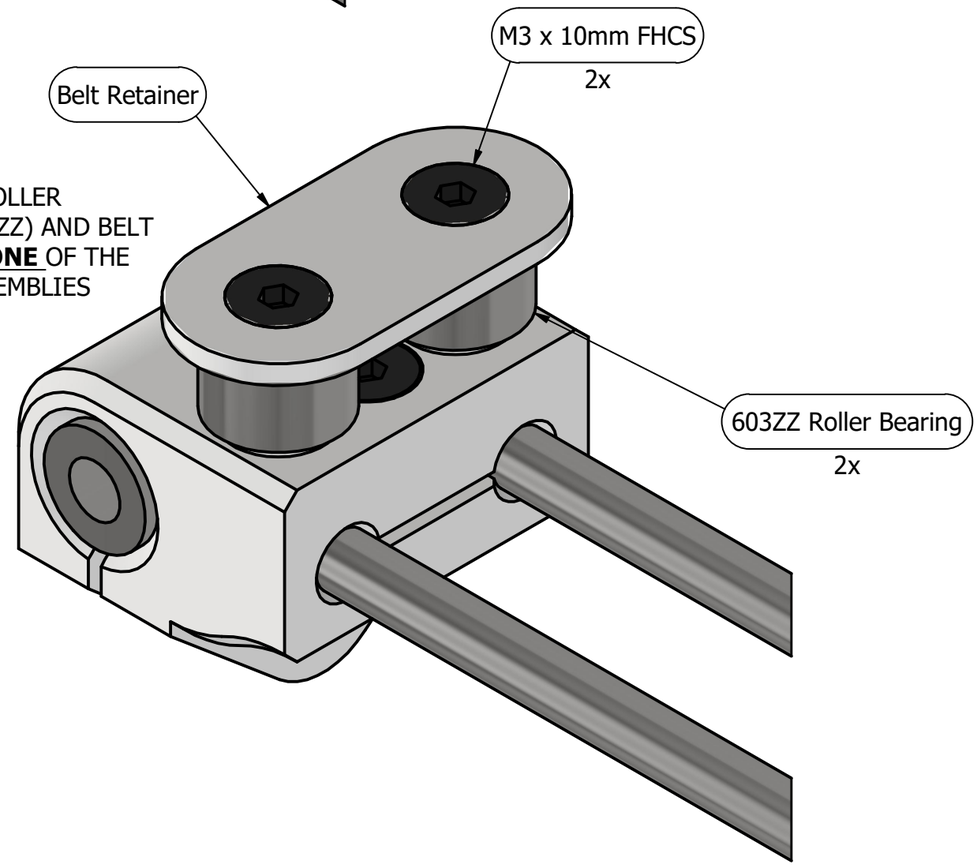
TIGHTEN SCREW SO THE LINEAR BEARINGS (LM4UU) CAN NOT MOVE

NOTE: BUILD 2X OF THESE XY JOINER ASSEMBLIES

STEP 2



PRESS 2X LINEAR ROD (4MM X 130MM) FULLY INTO THE BLOCK TIGHTEN THE M3 X 16MM SCREW TO LOCK THE RODS IN PLACE

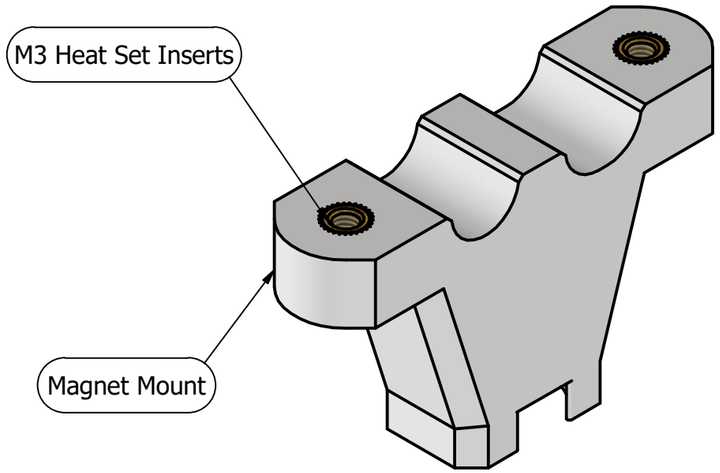


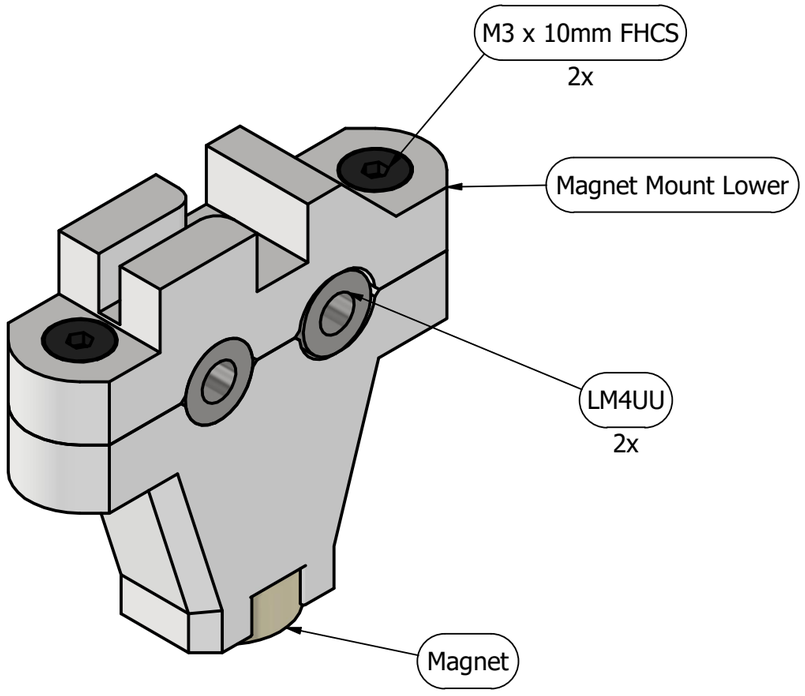
ATTACH THE ROLLER BEARINGS (603ZZ) AND BELT RETAINER TO **ONE** OF THE XY JOINER ASSEMBLIES

NOTE: LEAVE THE SECOND XY JOINER ASSEMBLY OFF FOR NOW

STEP 3

USING SOLDERING IRON
MELT IN HEAT SET INSERTS
UNTIL FLUSH WITH THE
OUTER SURFACE

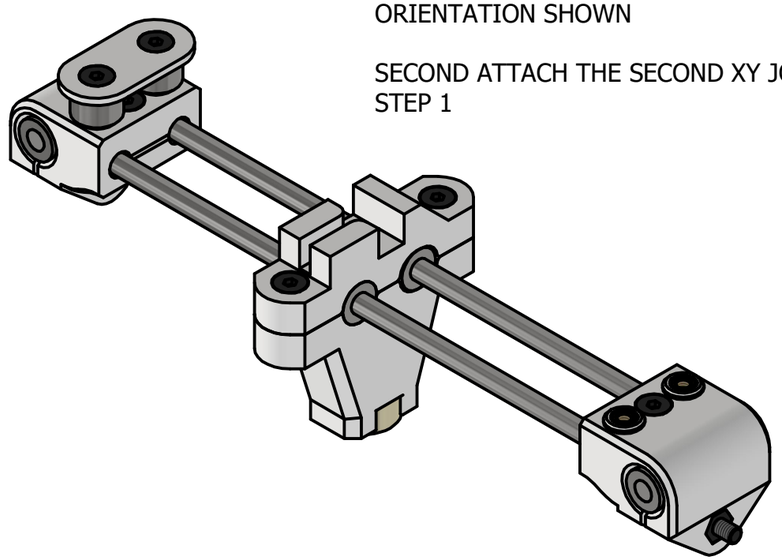




STEP 4

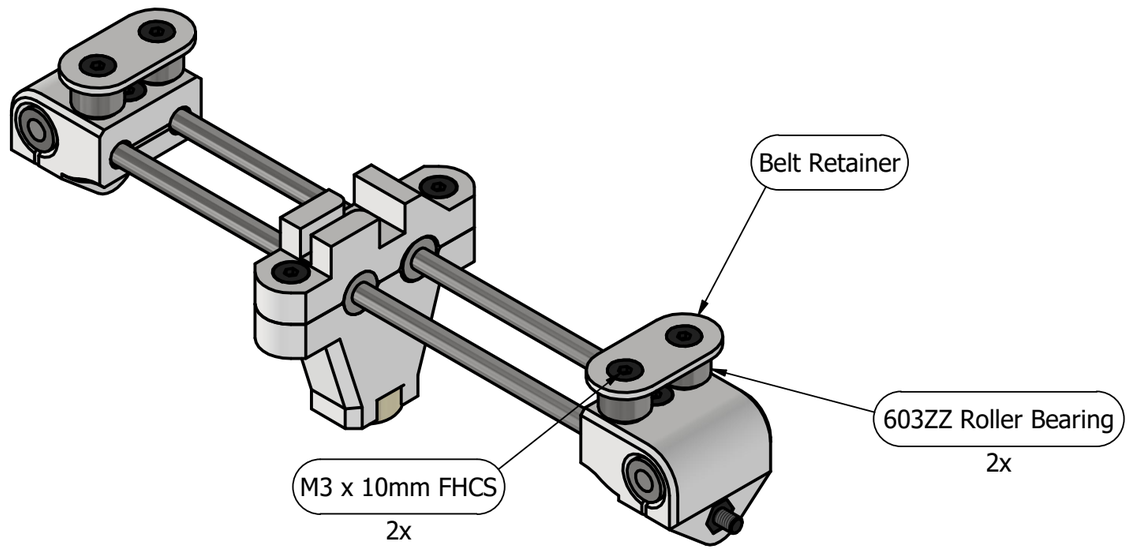
FIRST SLIDE THE CENTER MAGNET HOLDER
ASSEMBLY ONTO THE RODS IN THE
ORIENTATION SHOWN

SECOND ATTACH THE SECOND XY JOINER FROM
STEP 1



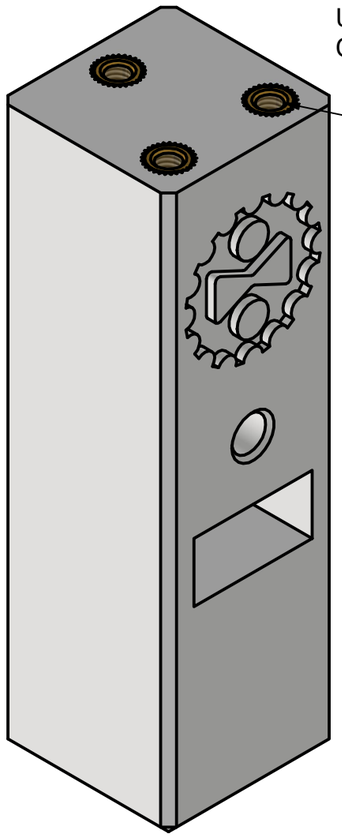
TIGHTEN THE M3 X 16MM SCREW
TILL SNUG, THEN A HALF TURN
MORE

THE XY JOINER SHOULD BE ABLE TO
SLIDE IN AND OUT WITH
SIGNIFICANT RESISTANCE

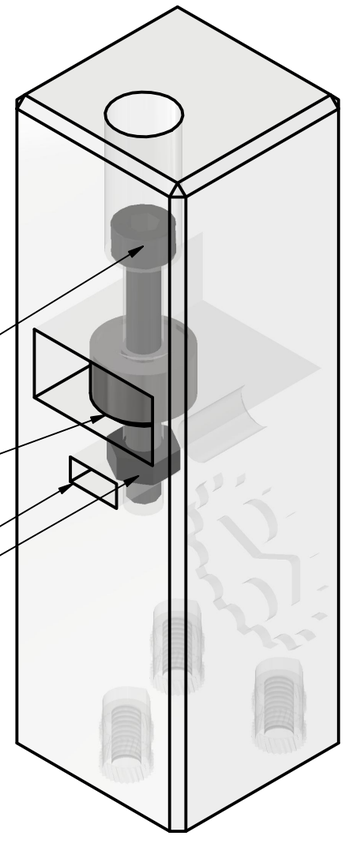


STEP 5

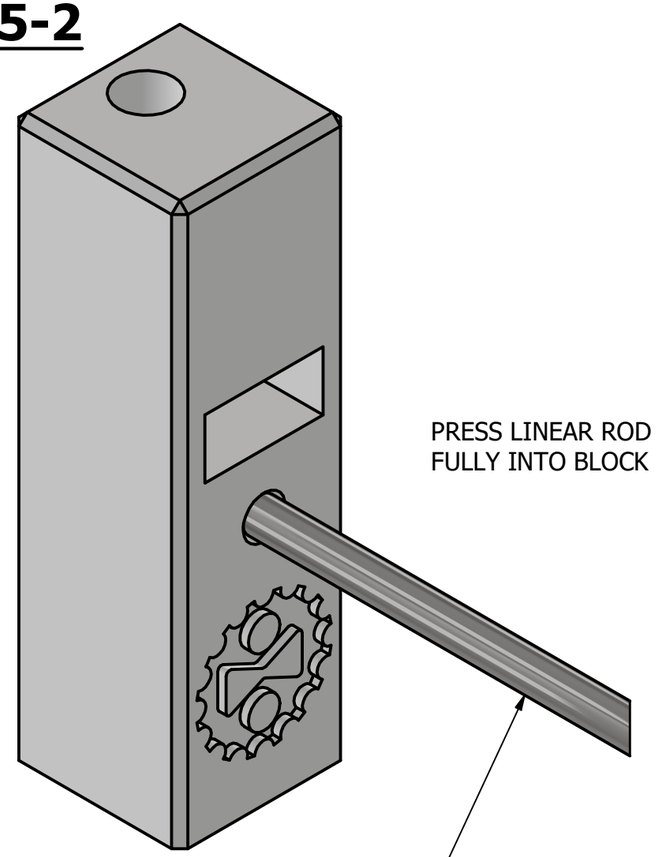
USING SOLDERING IRON
MELT IN HEAT SET INSERTS
UNTIL FLUSH WITH THE
OUTER SURFACE



STEP 5-1

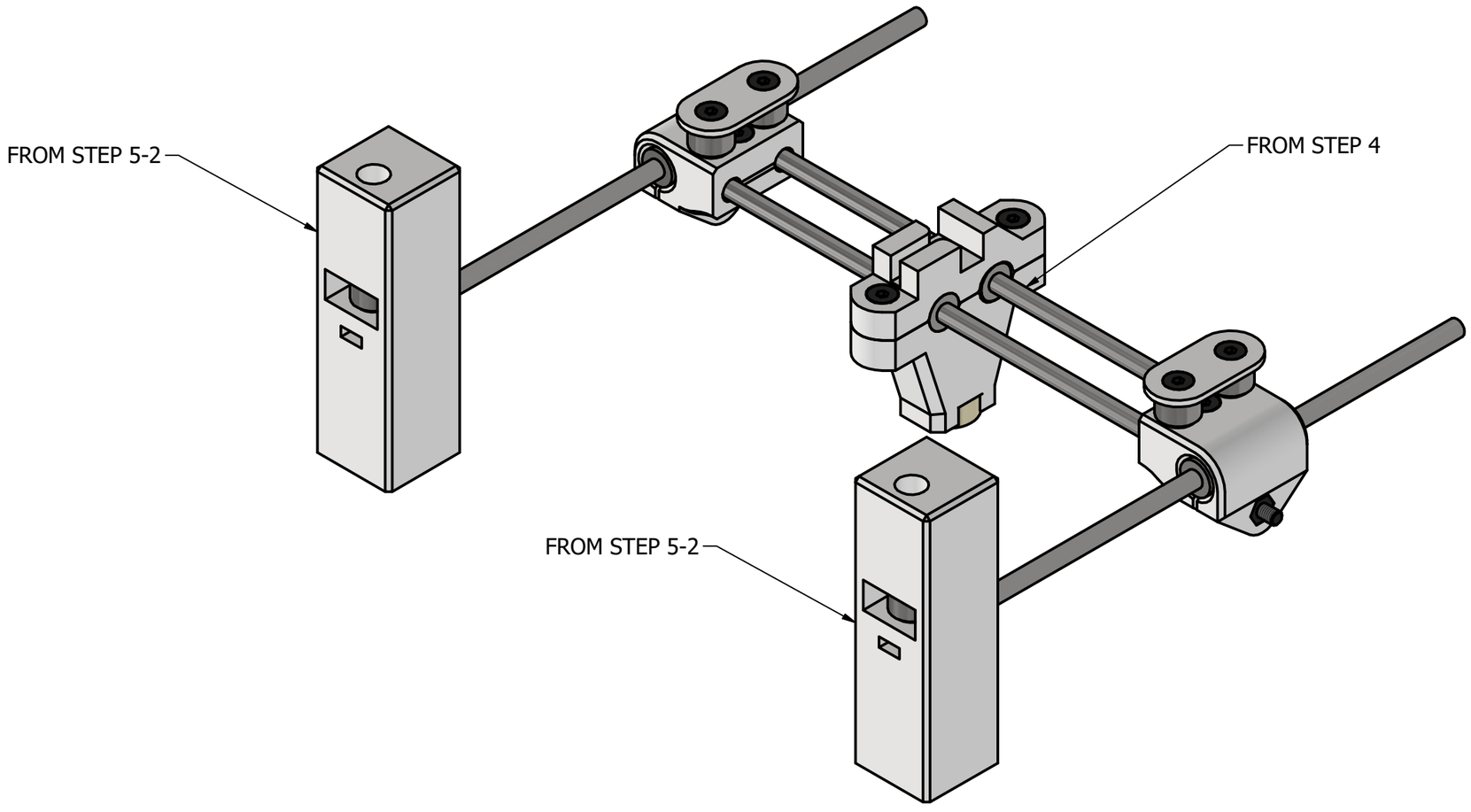


STEP 5-2



NOTE: BUILD 2X OF THESE IDLE BEARING MOUNT ASSEMBLIES

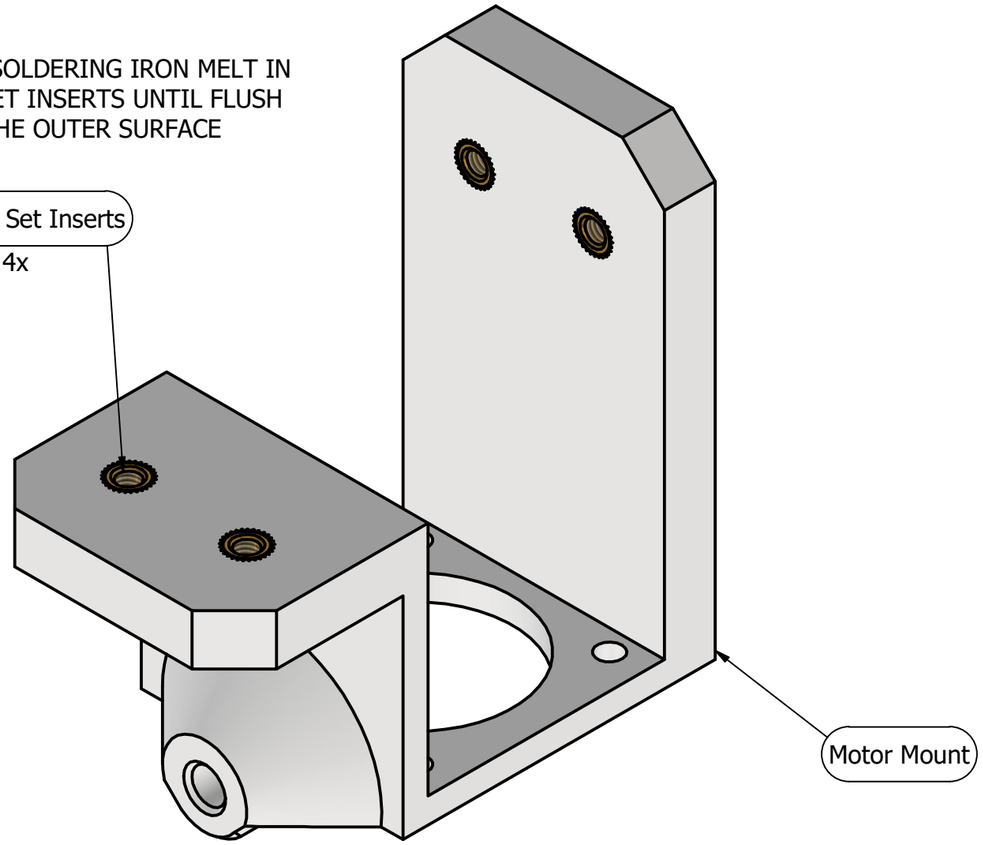
STEP 6



STEP 7

USING SOLDERING IRON MELT IN HEAT SET INSERTS UNTIL FLUSH WITH THE OUTER SURFACE

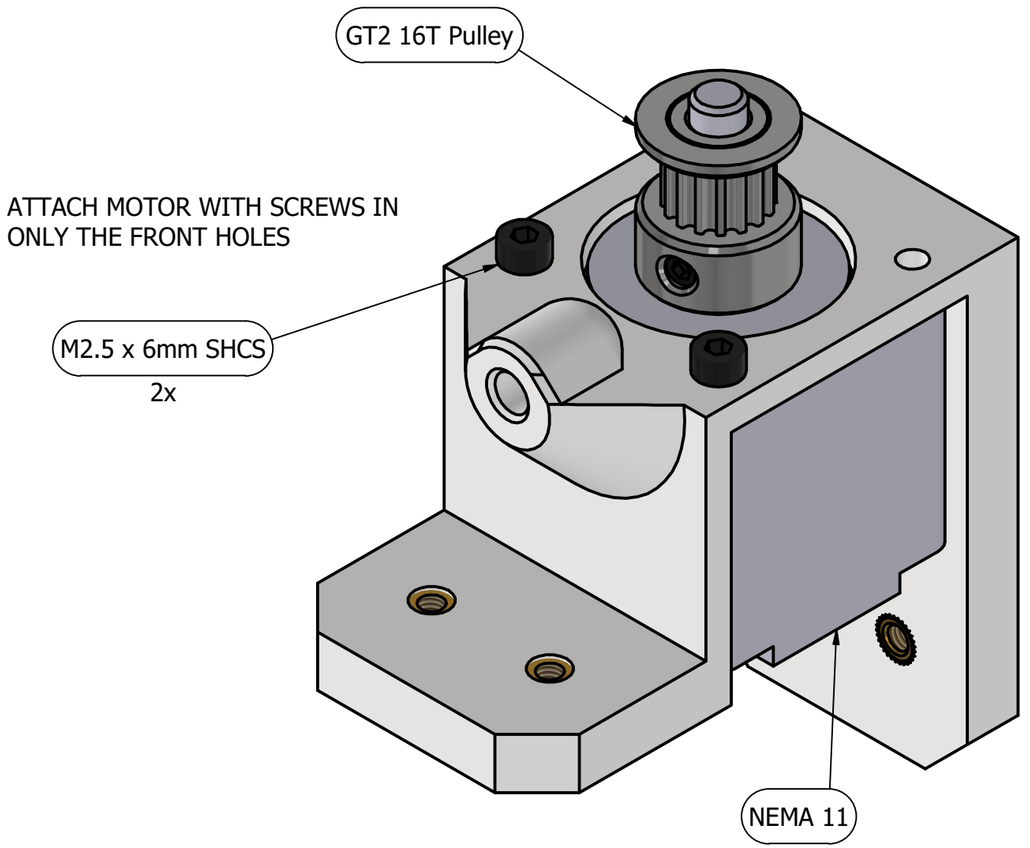
M3 Heat Set Inserts
4x



STEP 7-1

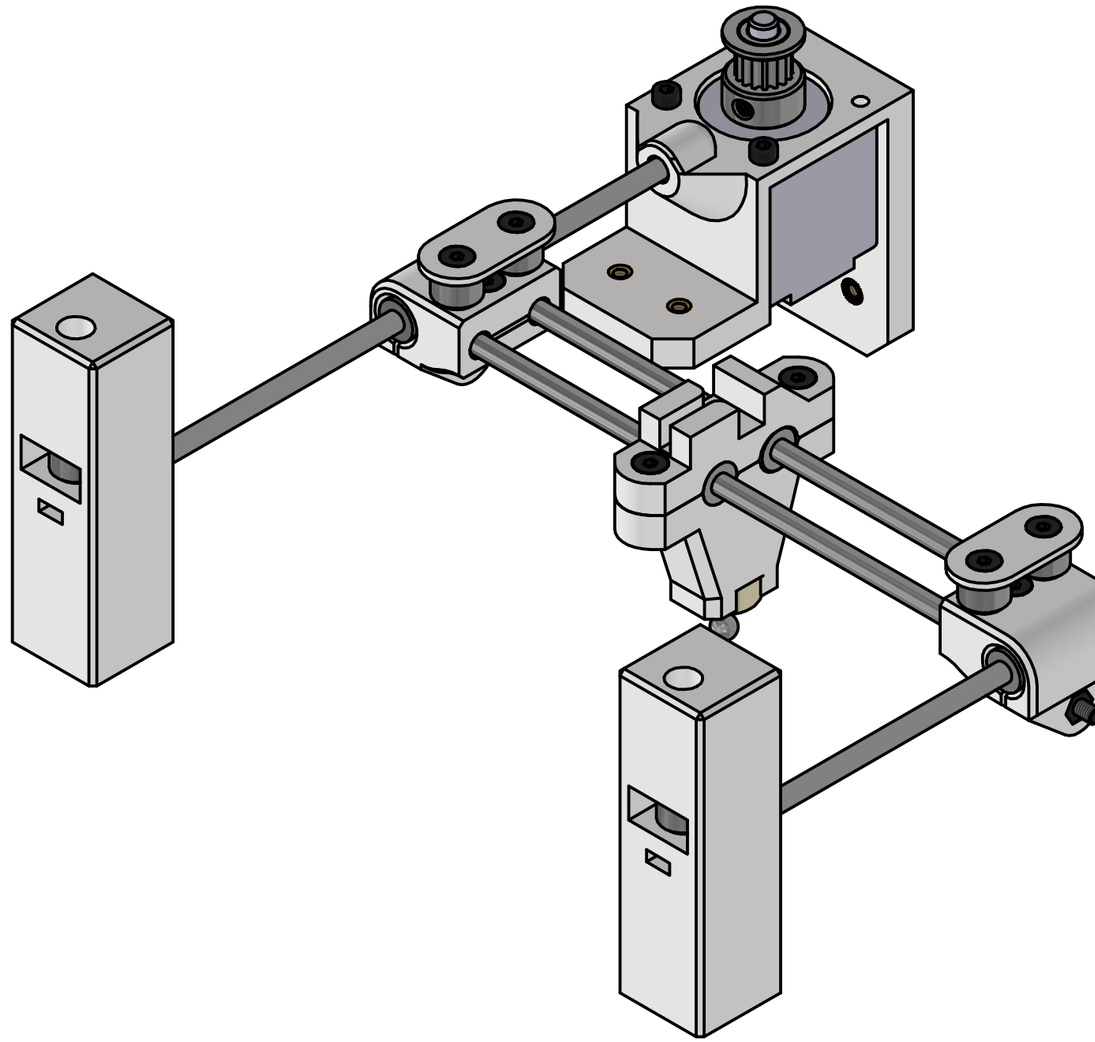
ATTACH MOTOR WITH SCREWS IN ONLY THE FRONT HOLES

M2.5 x 6mm SHCS
2x

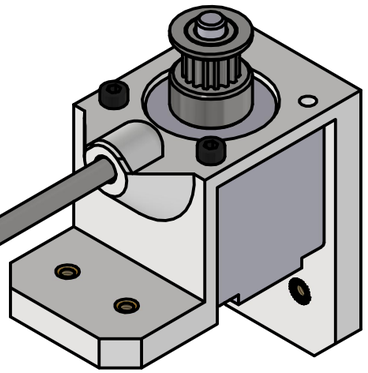


NOTE: BUILD 2X OF THE MOTOR MOUNT ASSEMBLIES

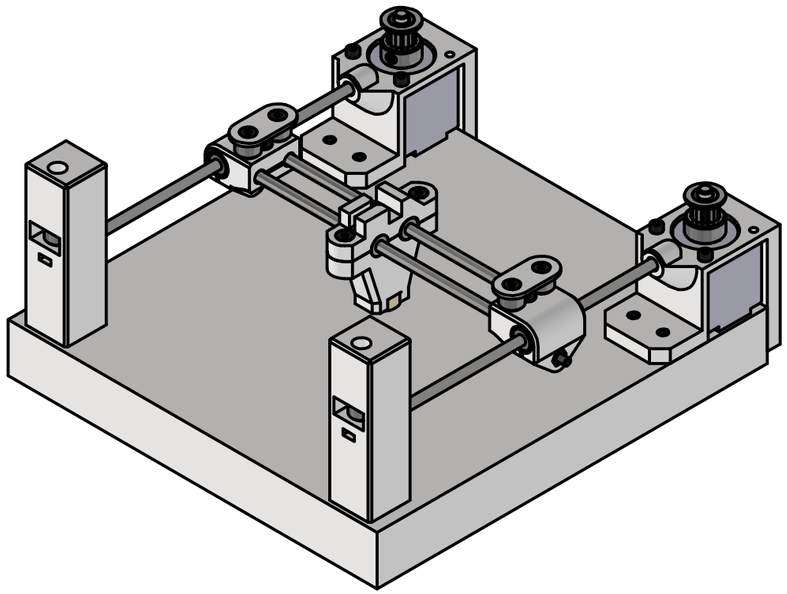
STEP 8

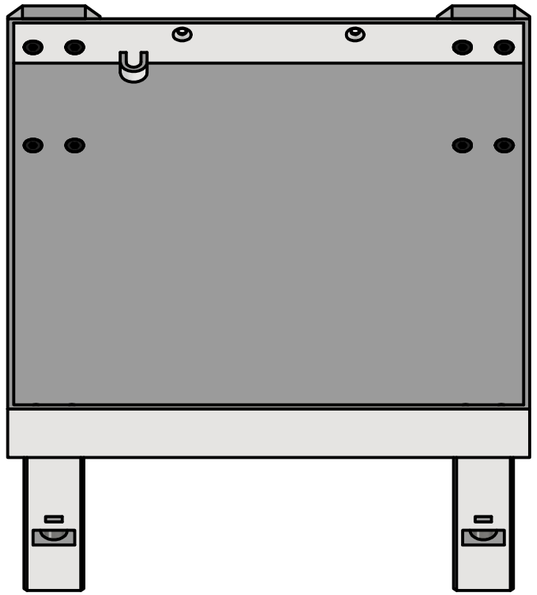


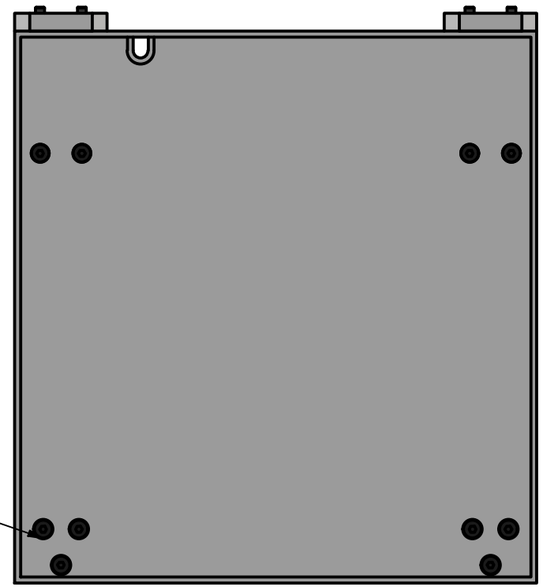
PRESS LINEAR ROD (4MM X 140MM) FULLY INTO MOTOR MOUNT



STEP 9



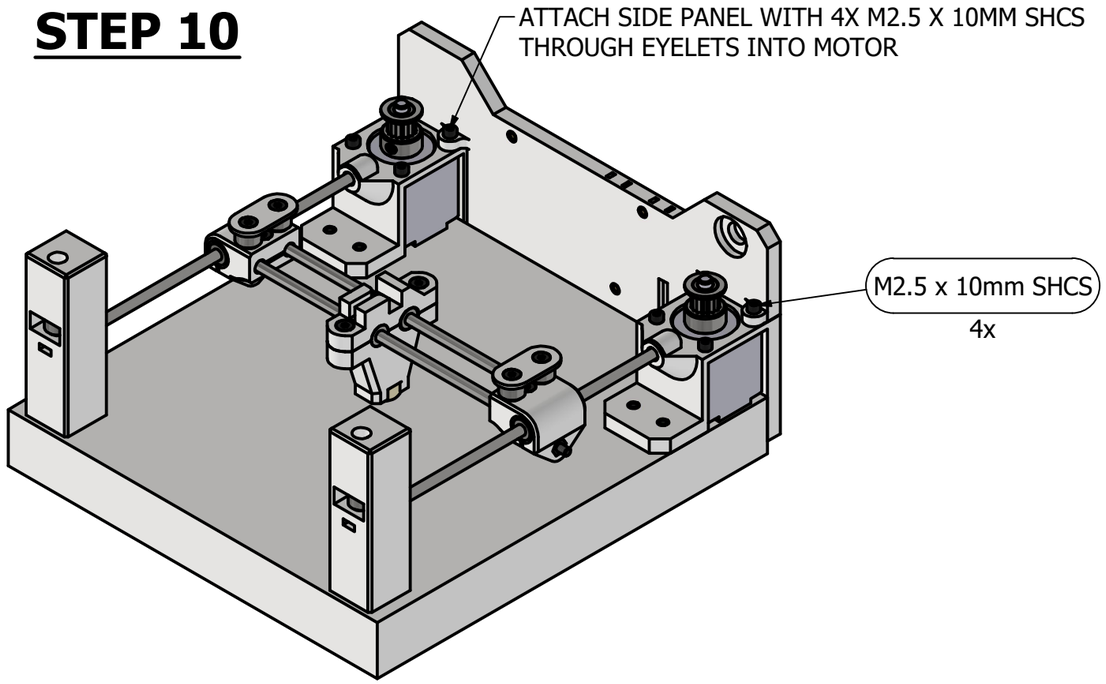




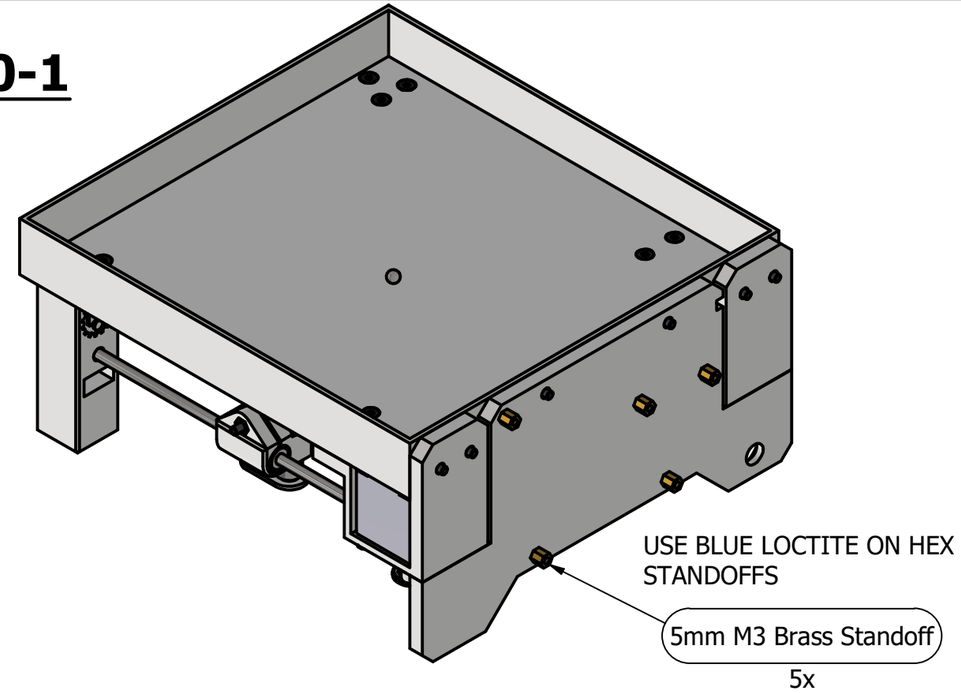
M3 x 10mm FHCS

14x

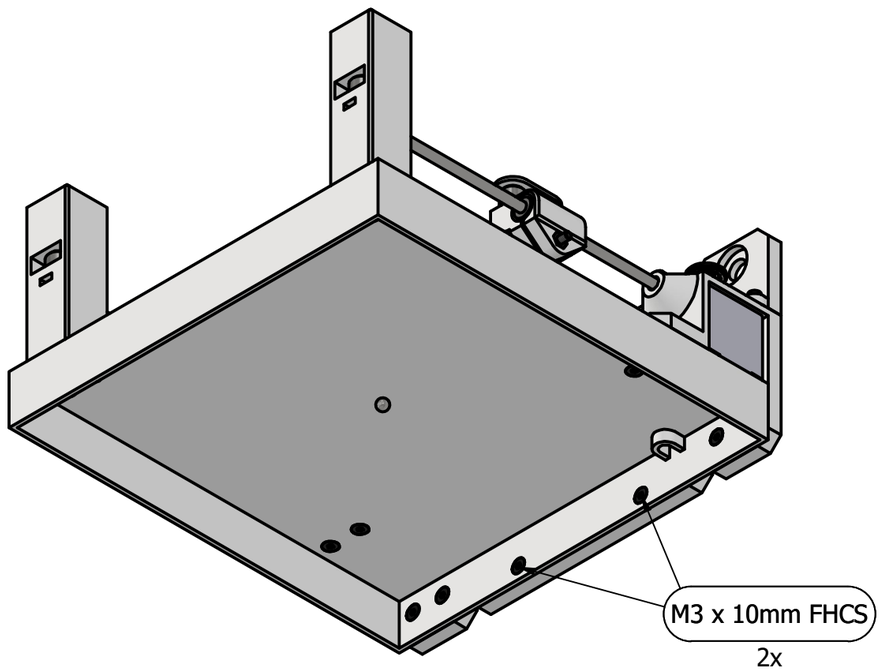
STEP 10

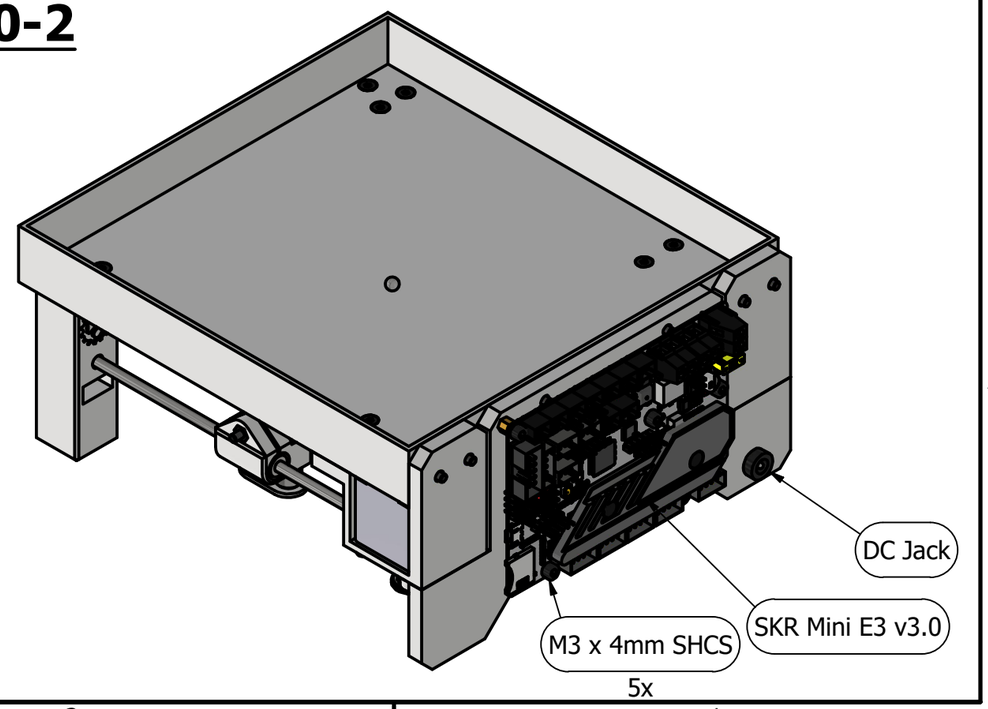


STEP 10-1

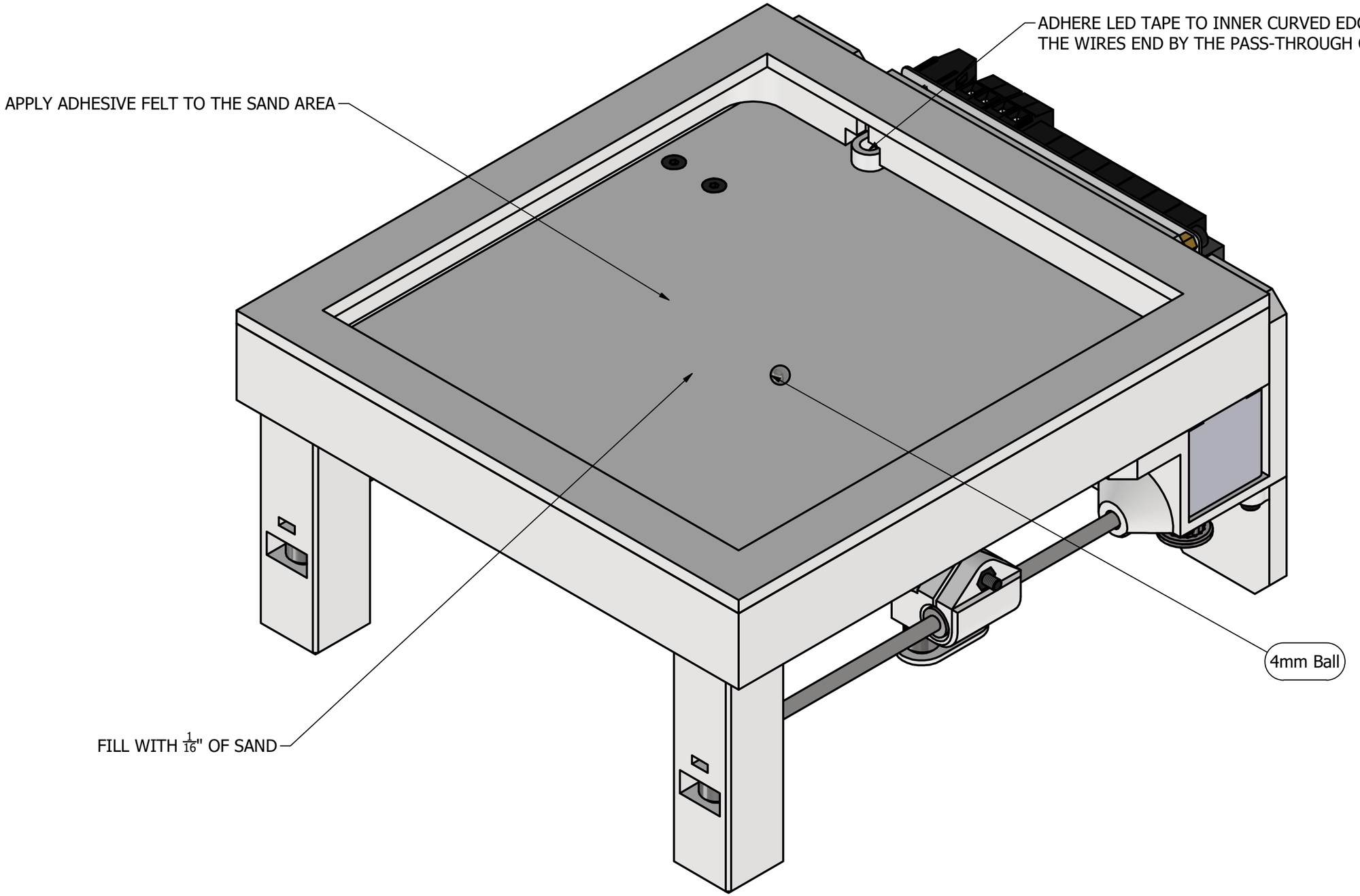


STEP 10-2





Step 11


ADHERE LED TAPE TO INNER CURVED EDGE SO
THE WIRES END BY THE PASS-THROUGH CUTOUT
APPLY ADHESIVE FELT TO THE SAND AREA
4mm Ball
FILL WITH 1/16" OF SAND