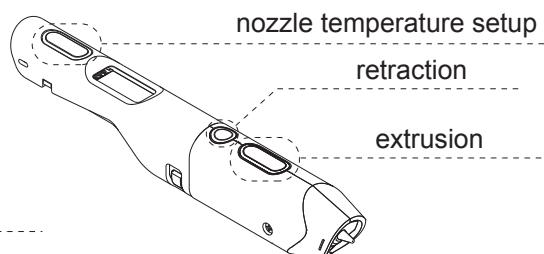
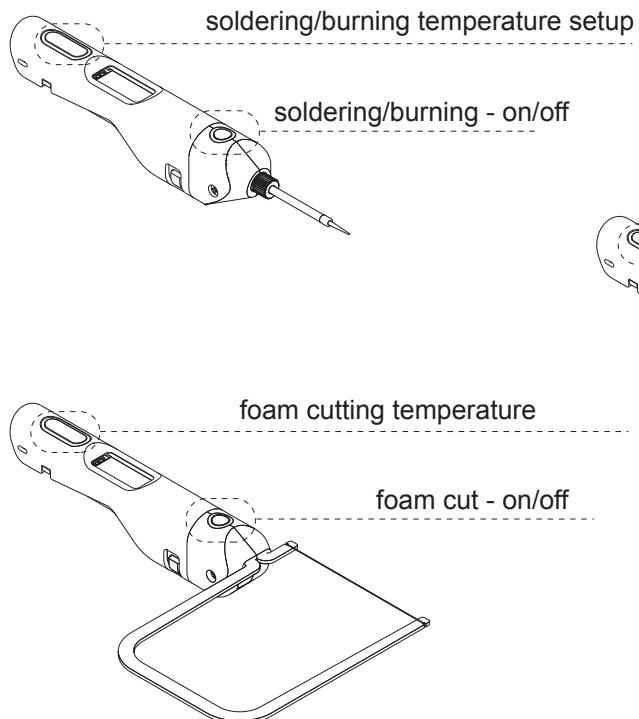


3D SIMO

KIT 2 - ASSEMBLY MANUAL

CONTROLS

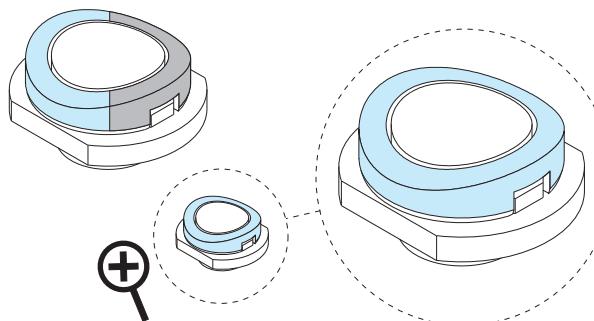


INSTRUCTION TIPS

This instruction is created as scalable vector graphics.
If you want to see detailed view you can zoom with no decrease of quality.

All of used components in current assembly step are marked with yellow colour.

This instruction is also Grayscale printer friendly

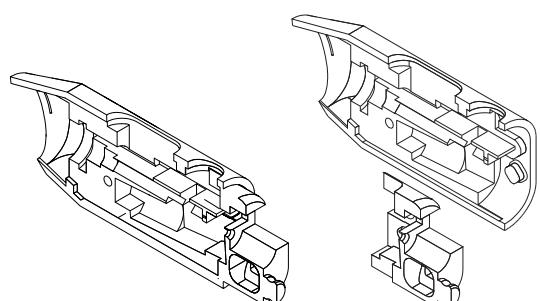


DESIGN CHANGES

3DSIMO KIT 2 is Open-Source project.

You may find assembly part with different geometry according to this instruction or product pictures.

If you have any questions, feedback or idea for improvement, you can contact us via support@3dsimo.com



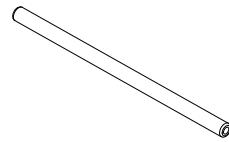
ASSEMBLY PARTS



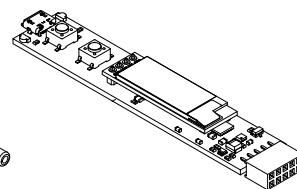
double button
+
double button ring



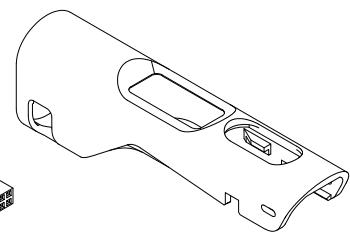
Body Lock



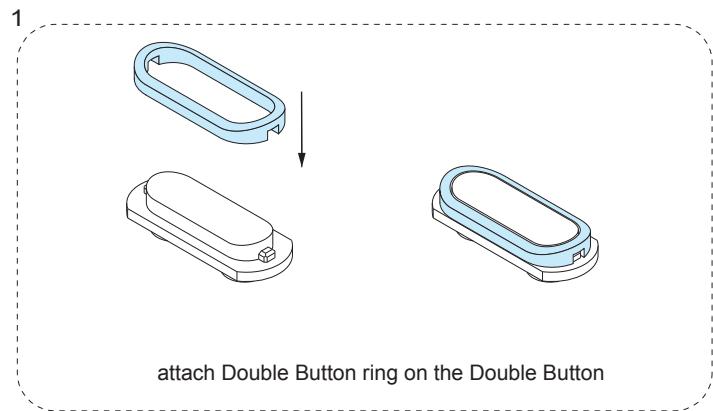
PTFE Tube



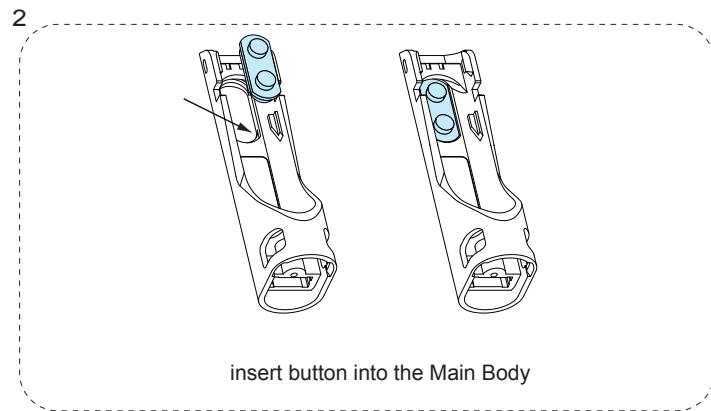
Electronics



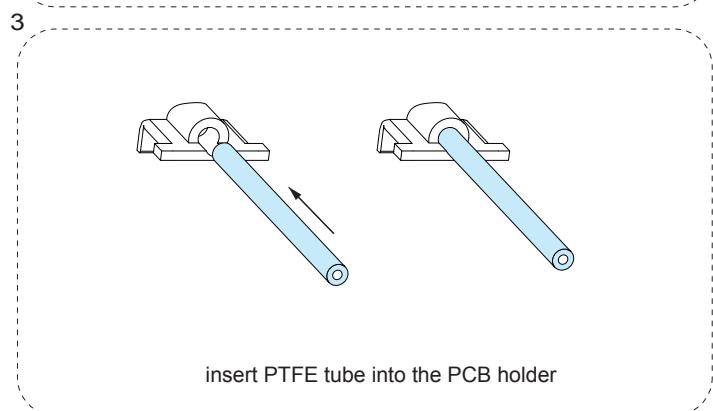
Main_Body



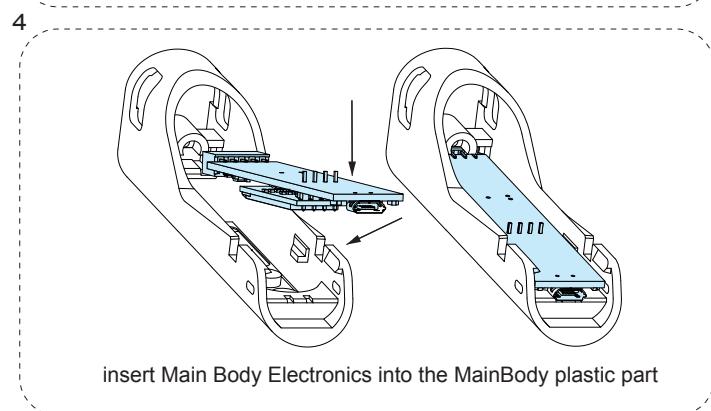
attach Double Button ring on the Double Button



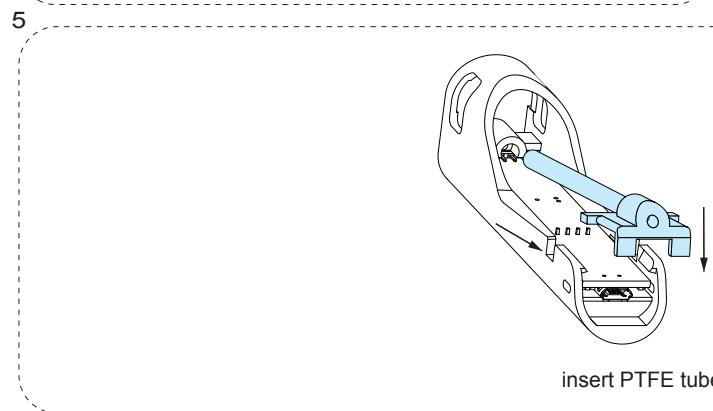
insert button into the Main Body



insert PTFE tube into the PCB holder

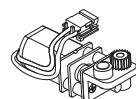


insert Main Body Electronics into the MainBody plastic part

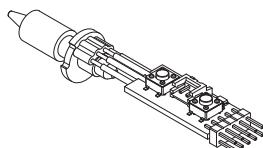


insert PTFE tube into the PCB holder

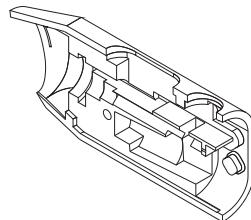
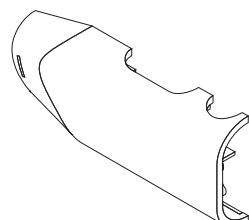
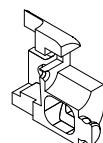
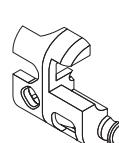
ASSEMBLY PARTS

double button
+
double button ringsingle button
+
single button ringbody locks
+
springmetal screw
+
PTFE tube
+
nozzle holder

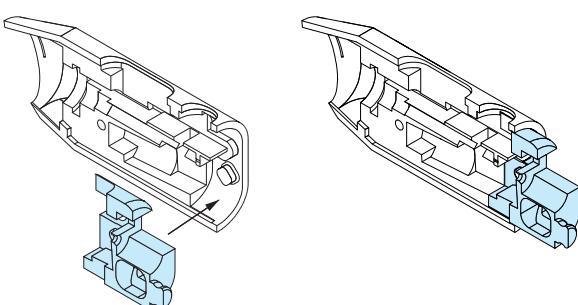
extruder motor



3D pen electronics

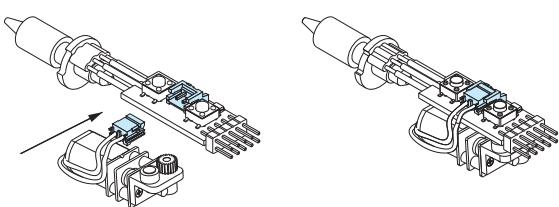
plastic part
3D_RIGHT_ABSplastic part
3D_LEFT_ABSplastic part
3D_RIGHT_PLAplastic part
3D_LEFT_PLA

1



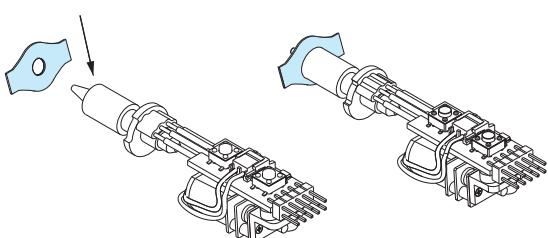
Snap 3D_RIGHT_PLA part onto the 3D_RIGHT_ABS

2



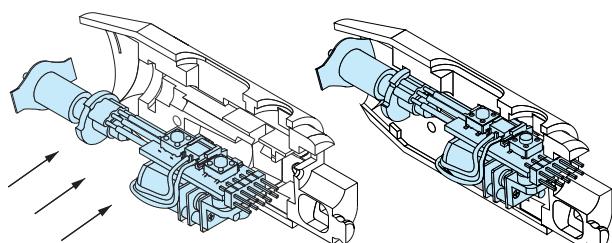
Plug extruder motor into the connector

3



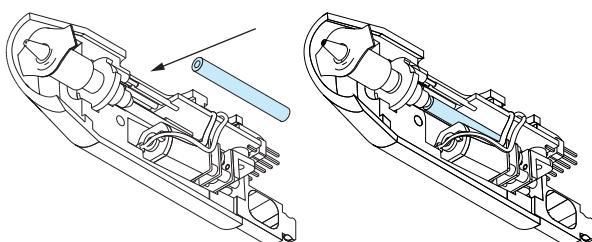
Slide the Nozzle holder onto the ceramic nozzle

4



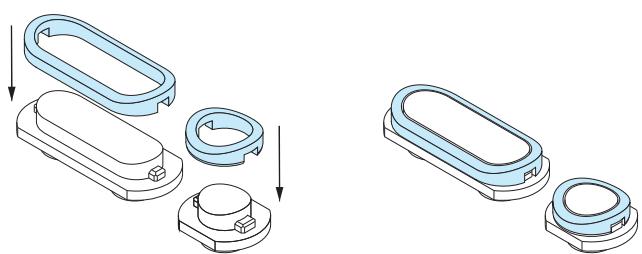
Insert assembled electronics into plastic body.

5



insert PTFE tube into the assembly

6

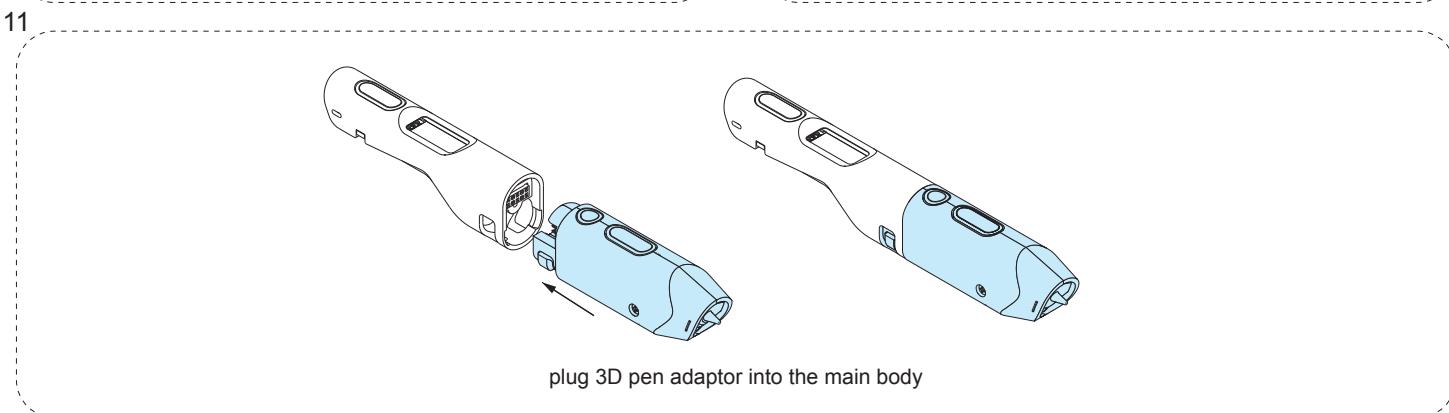
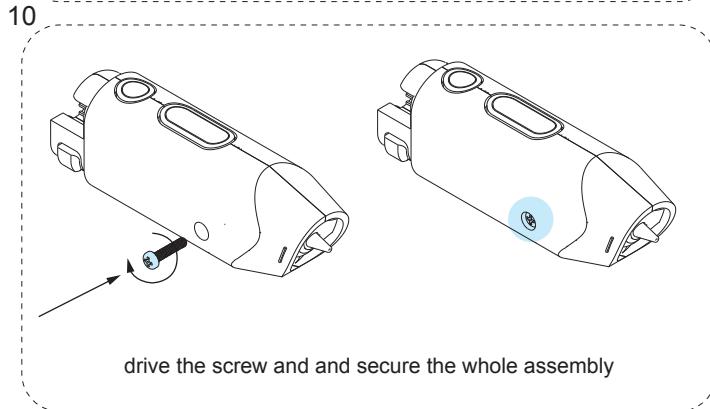
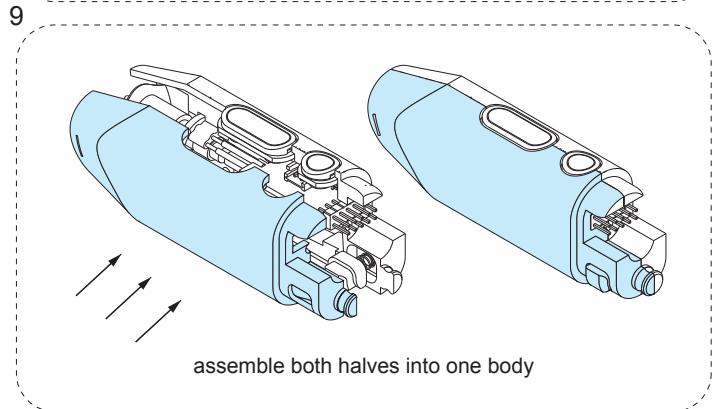
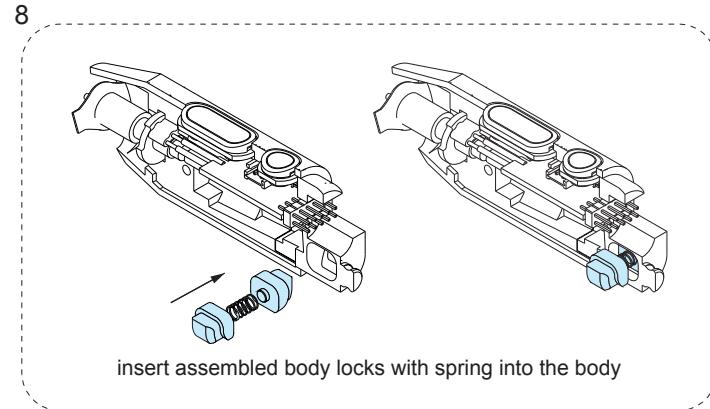
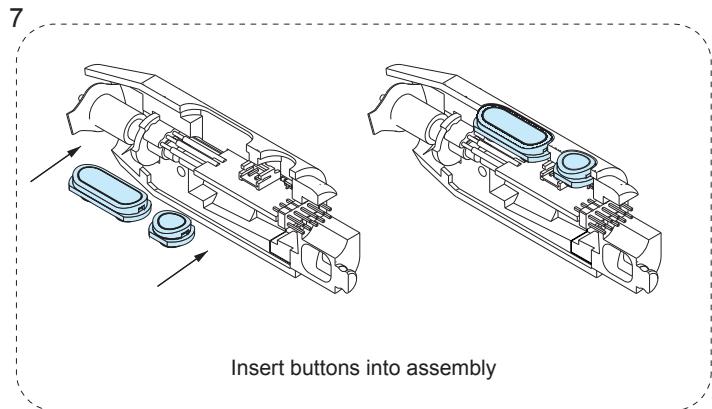


attach button rings on buttons

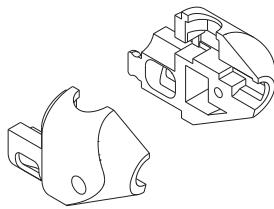
3D SIMO

3D PEN ADAPTOR

KIT 2



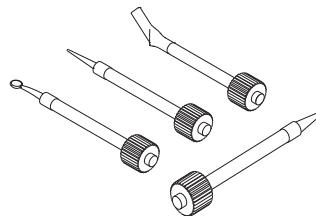
ASSEMBLY PARTS



2x - Burning_Soldering_L
+
2x - Burning_Soldering_R



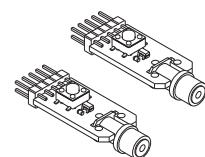
4x - Body_Lock
+
2x - Spring



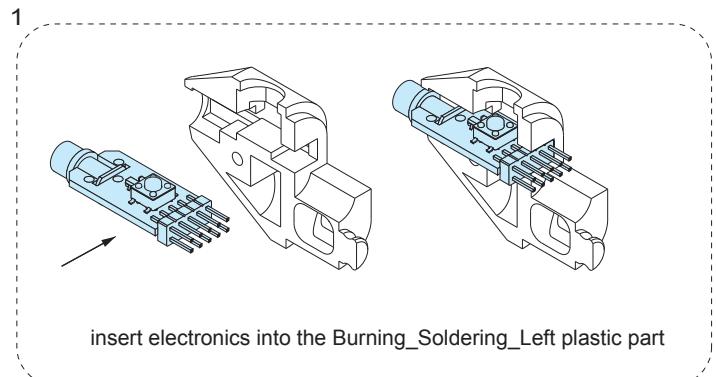
3x - Burning tips
1x - Soldering tip



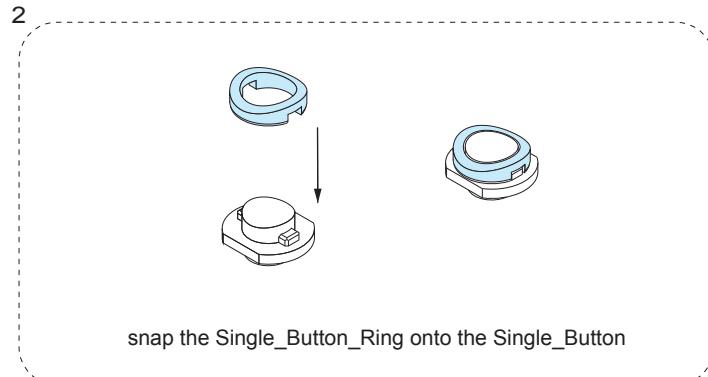
2x metal screw
+
2x Single_Button
+
2x Single_Button_Ring



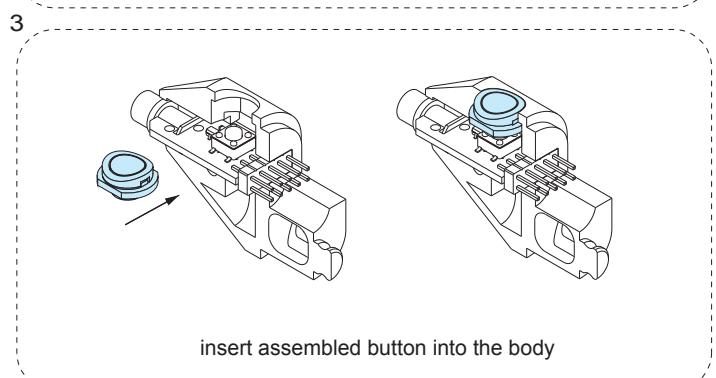
burning electronics
+
soldering electronics



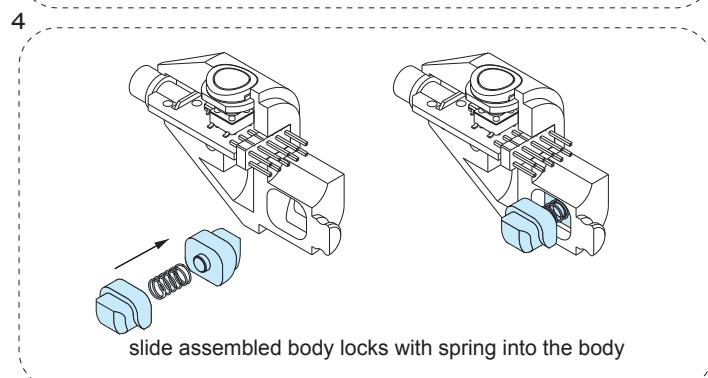
insert electronics into the Burning_Soldering_Left plastic part



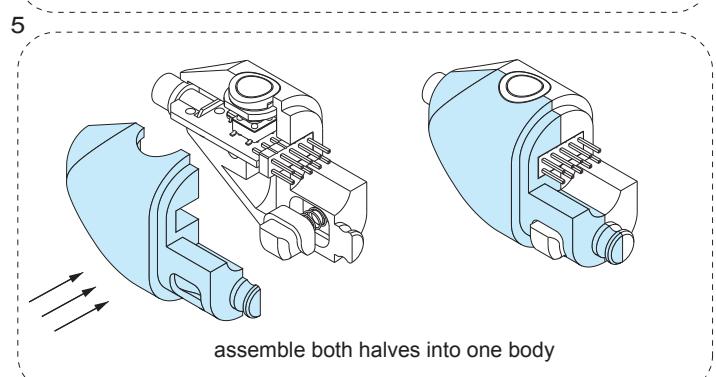
snap the Single_Button_Ring onto the Single_Button



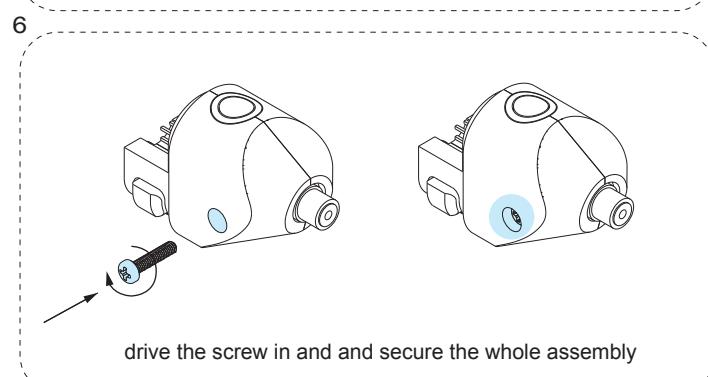
insert assembled button into the body



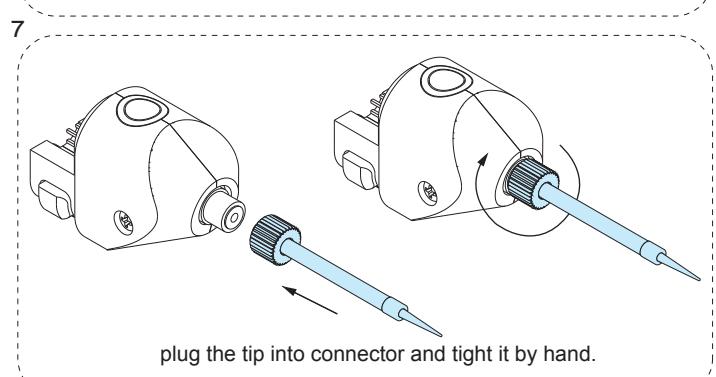
slide assembled body locks with spring into the body



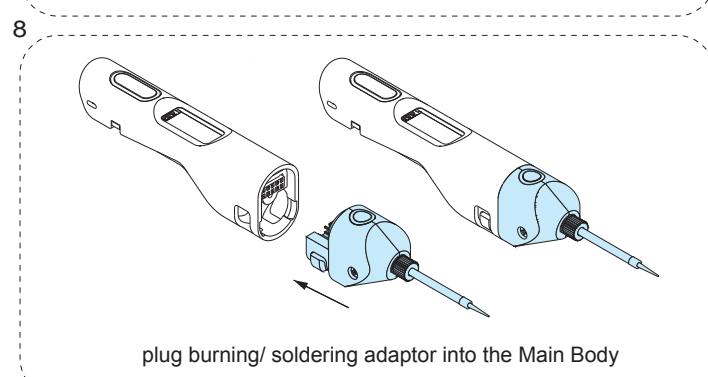
assemble both halves into one body



drive the screw in and secure the whole assembly

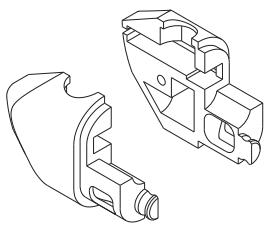


plug the tip into connector and tighten it by hand.



plug burning/ soldering adaptor into the Main Body

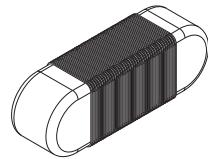
ASSEMBLY PARTS



Foam_Cutting_L
+
Foam_Cutting_R



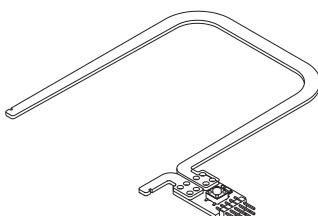
2x - Body_Lock
+
Spring



resistance wire



metal screw
+
Single_Button
+
Single_Button_Ring



Foam Cutting Electronics

- 1
insert electronics into the Foam_Cutting_Left plastic part
- 2
snap the Single_Button_Ring onto the Single_Button
- 3
insert assembled button into the body
- 4
slide assembled body locks with spring into the body
- 5
assemble both halves into one body
- 6
drive the screw in and secure the whole assembly
- 7
attach resistance wire on foam cutting aluminium frame
- 8
plug the Foam Cutting adaptor into the Main Body