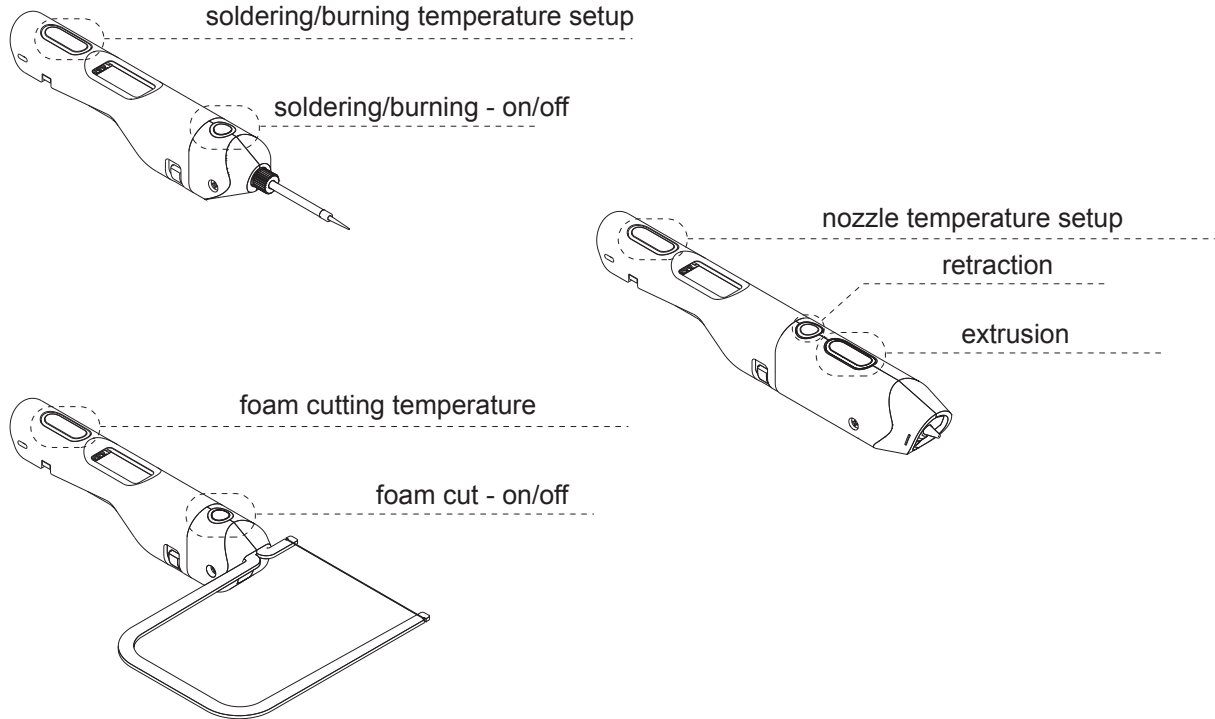


3D SIMO

KIT 2 - ASSEMBLY MANUAL

CONTROLS

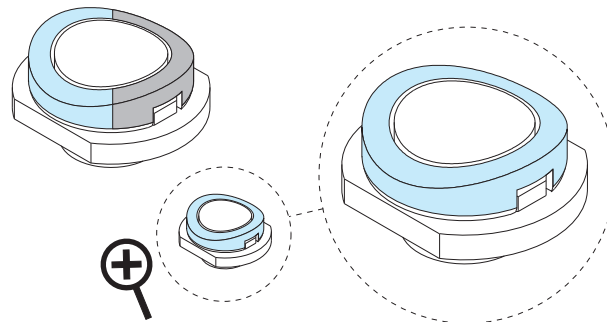


INSTRUCTION TIPS

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

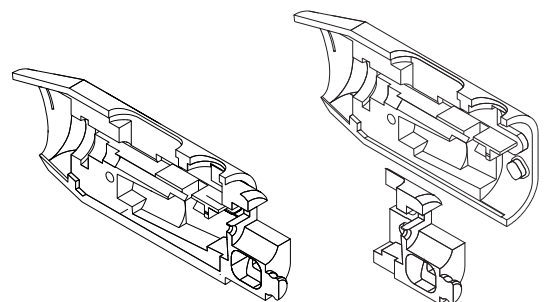


DESIGN CHANGES

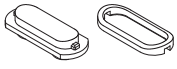
3DSIMO KIT 2 is Open-Source project.

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

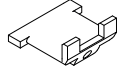
If you have any questions, feedback or idea for improvement, you can contact us via support@3dsimo.com



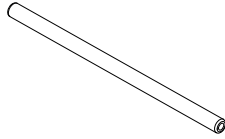
ASSEMBLY PARTS



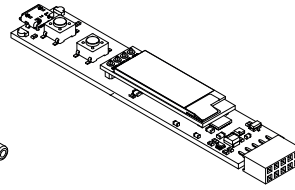
double button
+
double button ring



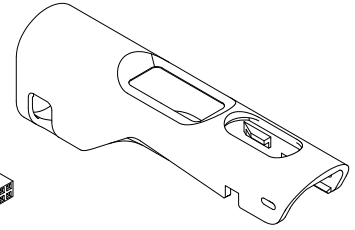
Body Lock



PTFE Tube

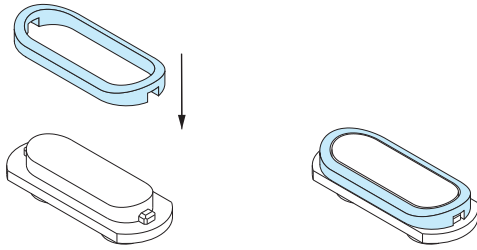


Electronics



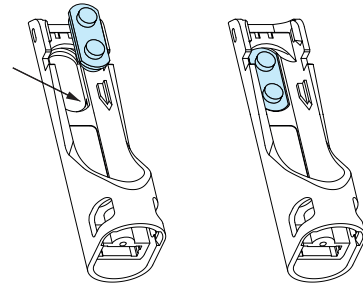
Main_Body

1



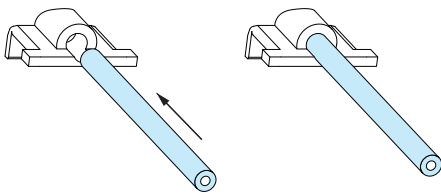
attach Double Button ring on the Double Button

2



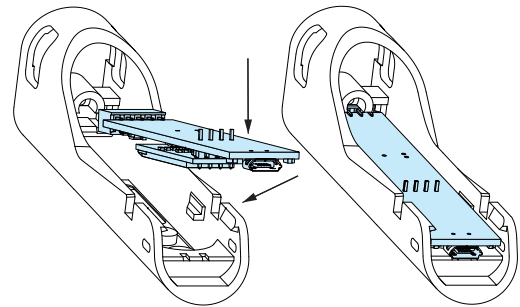
insert button into the Main Body

3



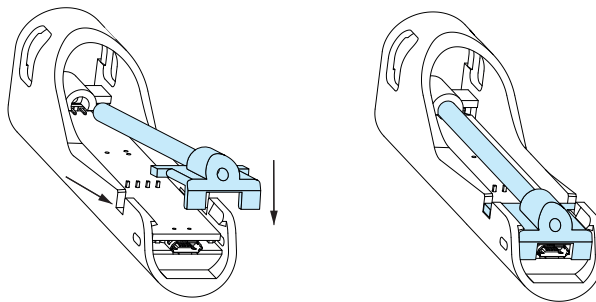
insert PTFE tube into the PCB holder

4



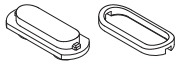
insert Main Body Electronics into the MainBody plastic part

5



insert PTFE tube into the PCB holder

ASSEMBLY PARTS



double button
+
double button ring



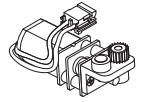
single button
+
single button ring



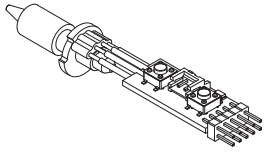
body locks
+
spring



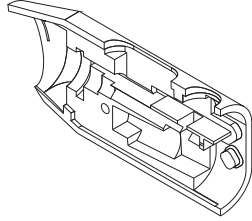
metal screw
+
PTFE tube
+
nozzle holder



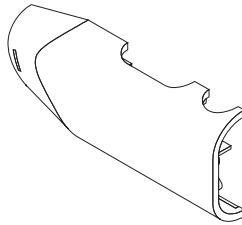
extruder motor



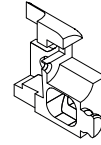
3D pen electronics



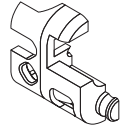
plastic part
3D_RIGHT_ABS



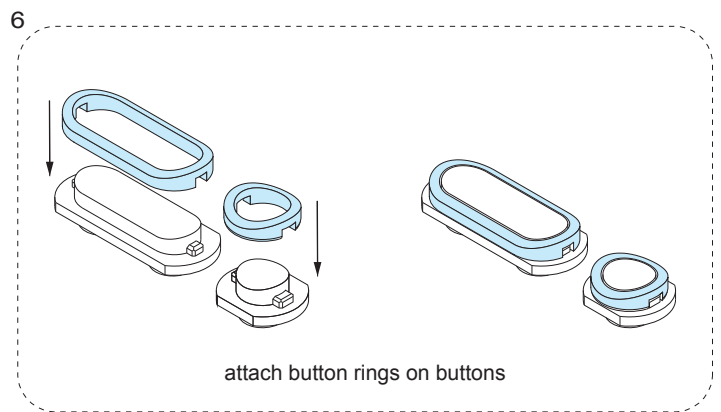
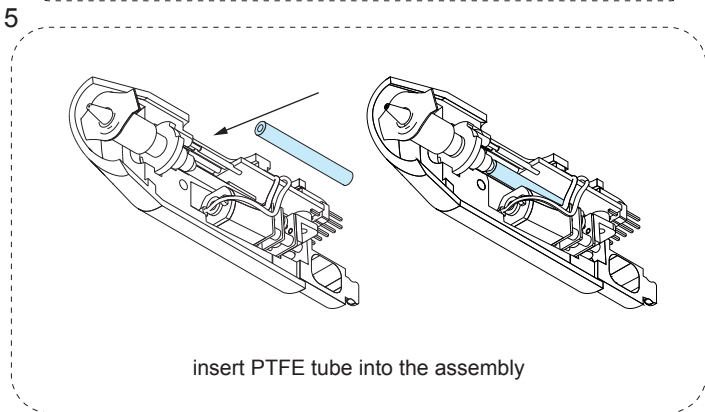
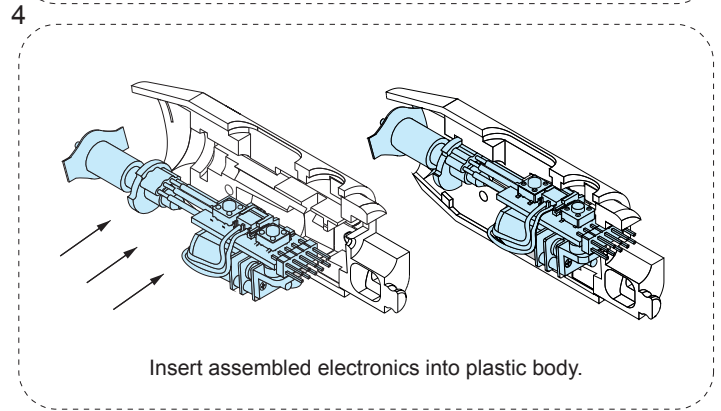
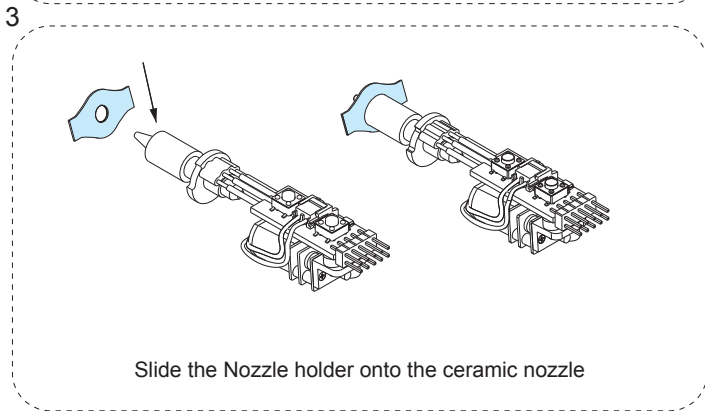
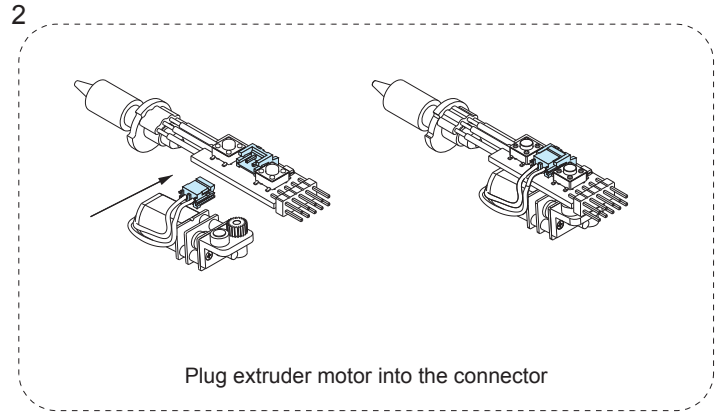
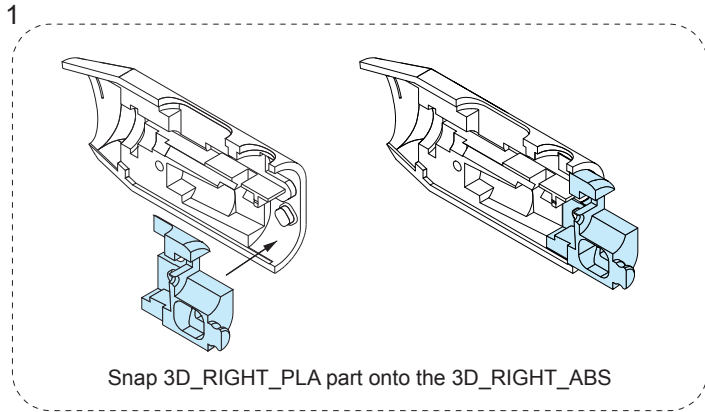
plastic part
3D_LEFT_ABS



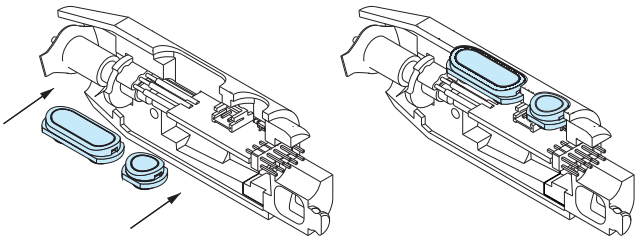
plastic part
3D_RIGHT_PLA



plastic part
3D_LEFT_PLA

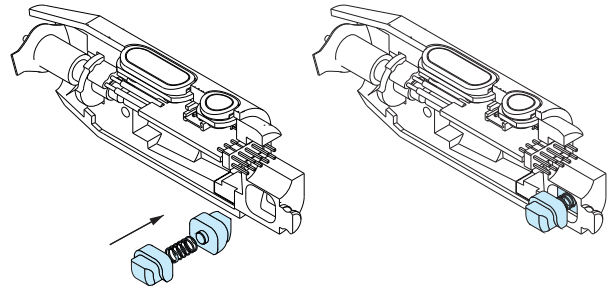


7



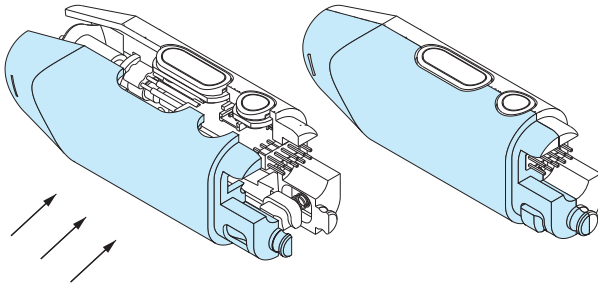
Insert buttons into assembly

8



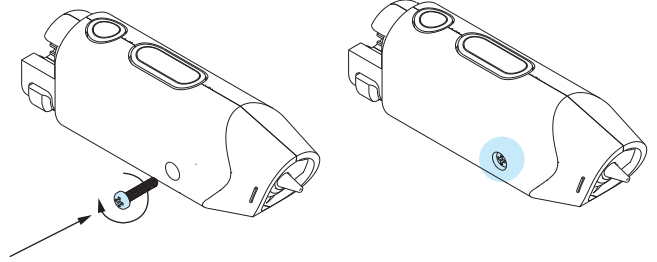
insert assembled body locks with spring into the body

9



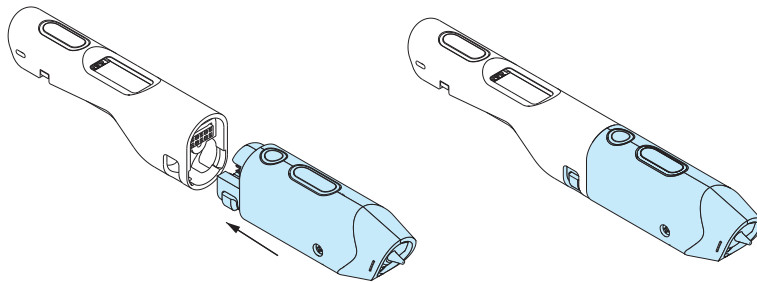
assemble both halves into one body

10



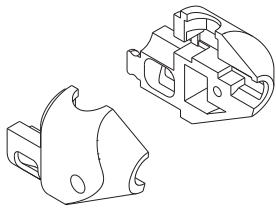
drive the screw and secure the whole assembly

11



plug 3D pen adaptor into the main body

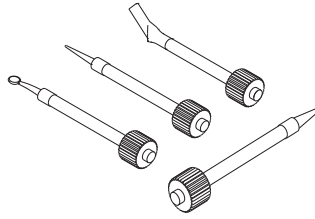
ASSEMBLY PARTS



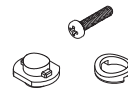
2x - Burning_Soldering_L
+
2x - Burning_Soldering_R



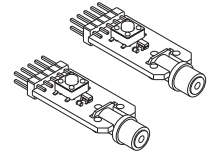
4x - Body_Lock
+
2x - Spring



3x - Burning tips
1x - Soldering tip



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



burning electronics
+
soldering electronics

1

insert electronics into the Burning_Soldering_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

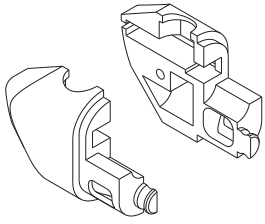
7

plug the tip into connector and tight it by hand.

8

plug burning/ soldering adaptor into the Main Body

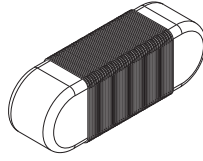
ASSEMBLY PARTS



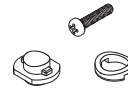
Foam_Cutting_L
+
Foam_Cutting_R



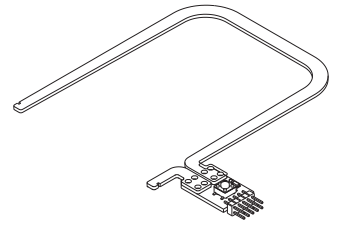
2x - Body_Lock
+
Spring



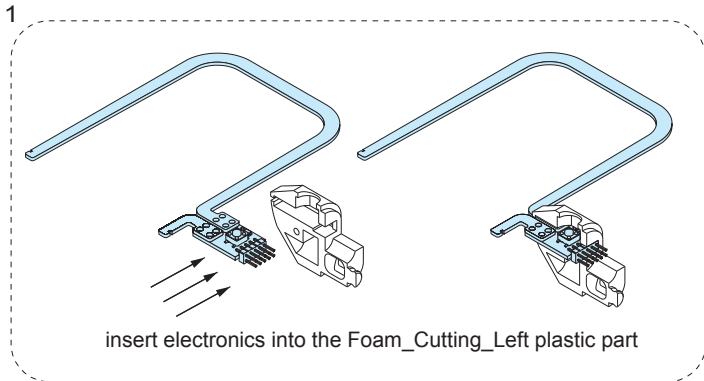
resistance wire



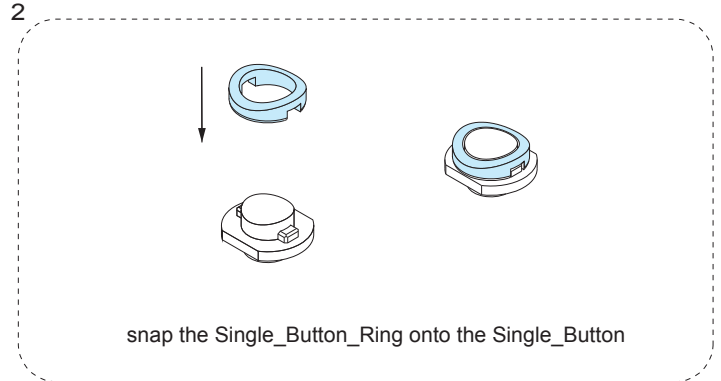
metal screw
+
Single_Button
+
Single_Button_Ring



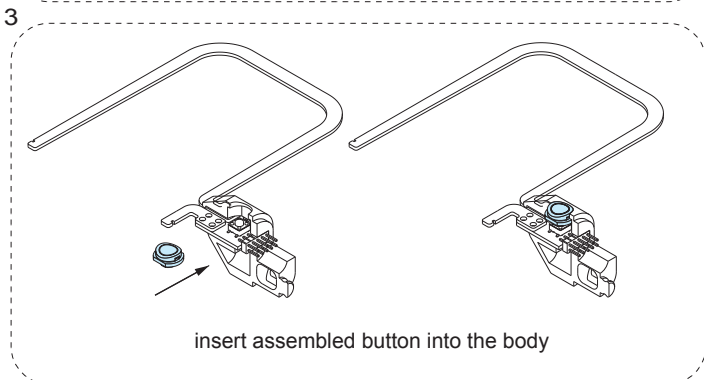
Foam Cutting Electronics



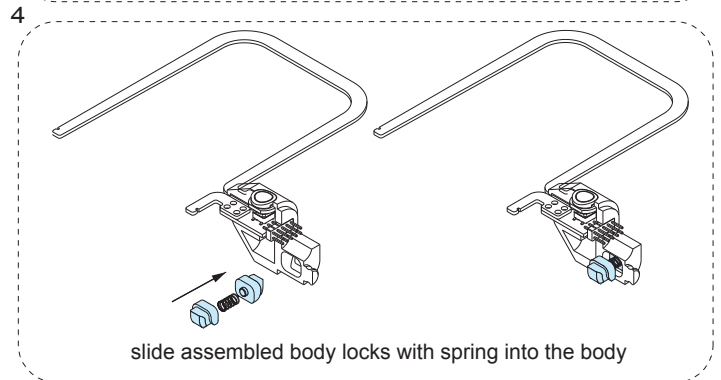
insert electronics into the Foam_Cutting_Left plastic part



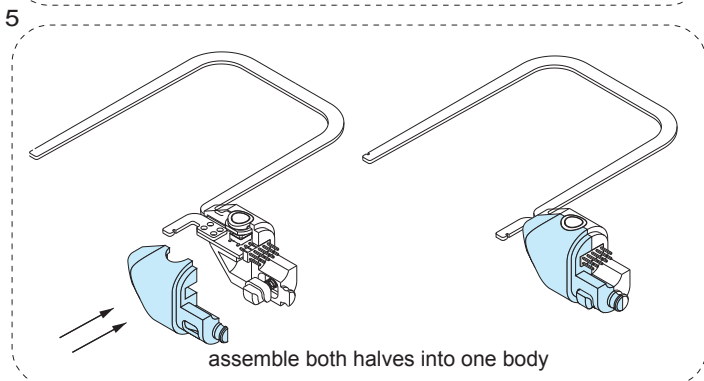
snap the Single_Button_Ring onto the Single_Button



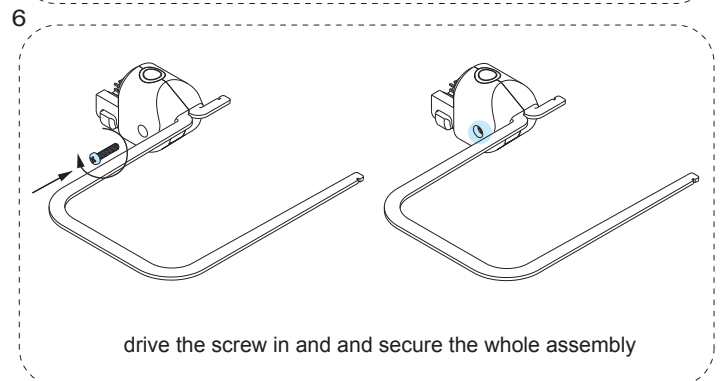
insert assembled button into the body



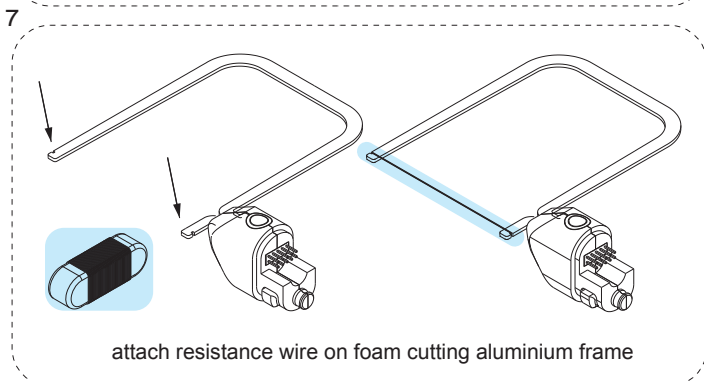
slide assembled body locks with spring into the body



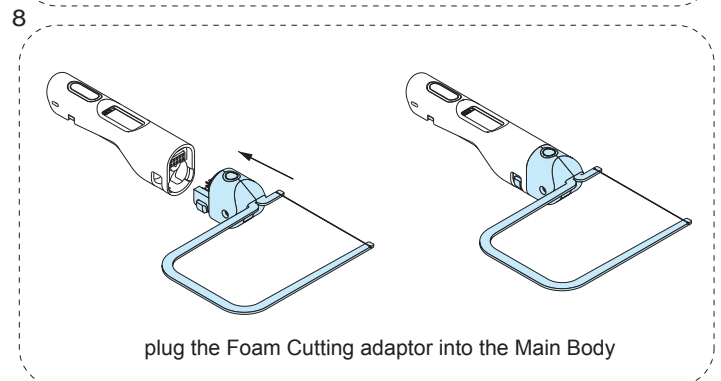
assemble both halves into one body



drive the screw in and and secure the whole assembly



attach resistance wire on foam cutting aluminium frame



plug the Foam Cutting adaptor into the Main Body