D3 Specification

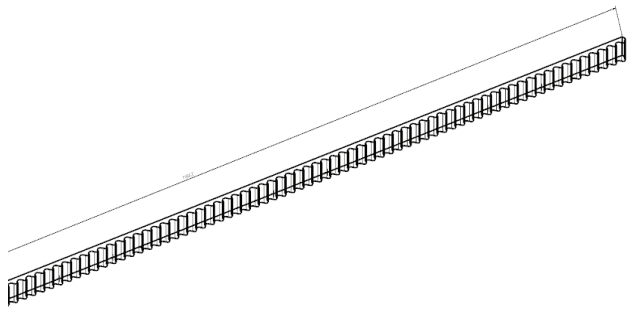
1

timing belt

cutter
ruler

1 timming belt x3 `

cut 1??? mm



2

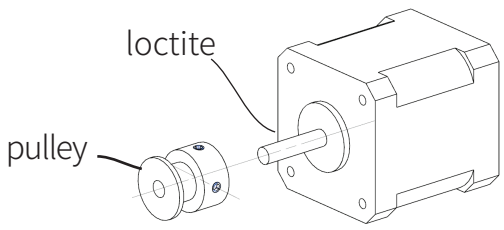
stepping_motor
motor_braket
pulley
socket_screw_M3_6

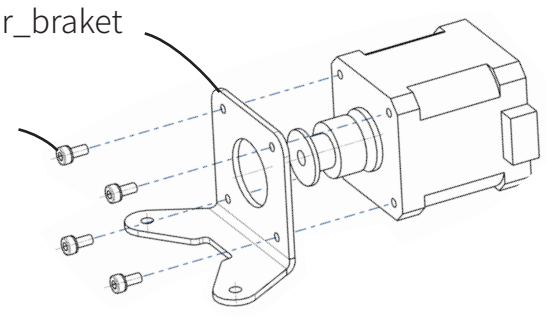
1.5 hex wrench
2.5 hex wrench

loctite

loctite

2 stepping motor x3 `





모터 축과 풀리의 체결 부분에 loctite를 적당량 바른 후 소켓 스크루를 체결한다.
브라켓과 풀리가 체결된 모터를 체결한다.

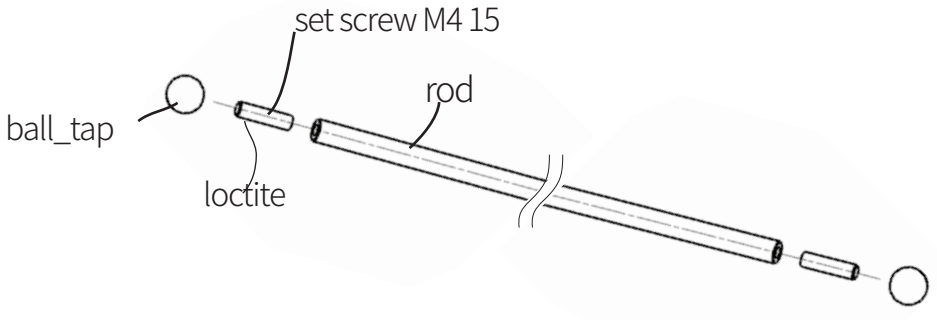
3

ball_tap
rod
set_scerw_M4_15

loctite

3 rod x6 `

편심확인방 법 추가



셋 스크루에 록타이트를 적당량 바른후 볼탭을 체결한다.
로드의 양 끝 단에 체결한다.
편심을 확인한다.

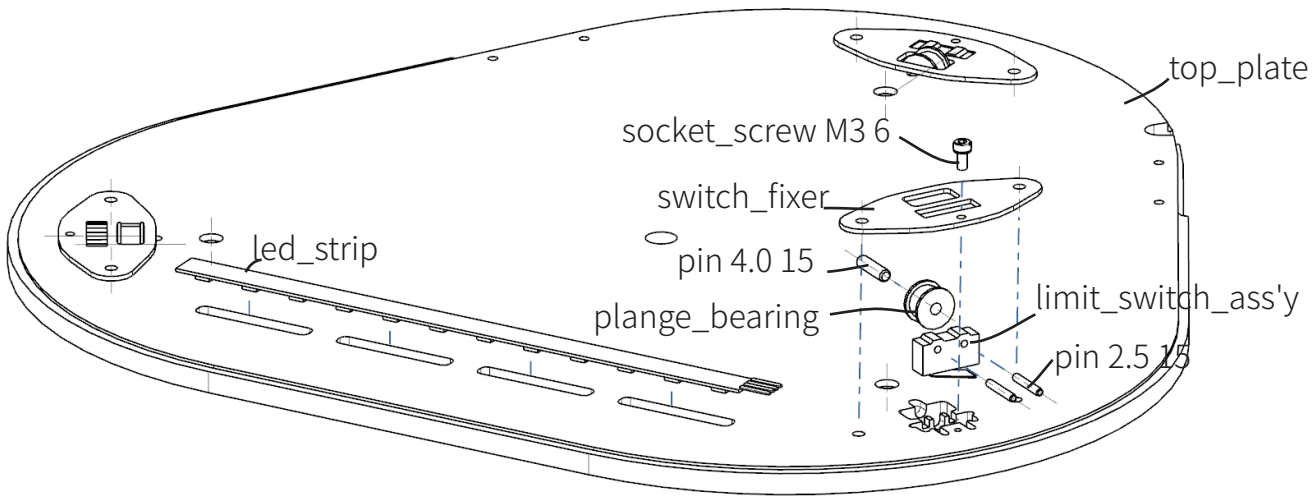
4

top_plate
plange_bearing
pin 2.5 15
pin 4.0 15
led_strip
switch_fixer
limit_switch_ass'y
socket_screw M3 6

2.5 hex wrench

polyimid_tape

4 top_plate



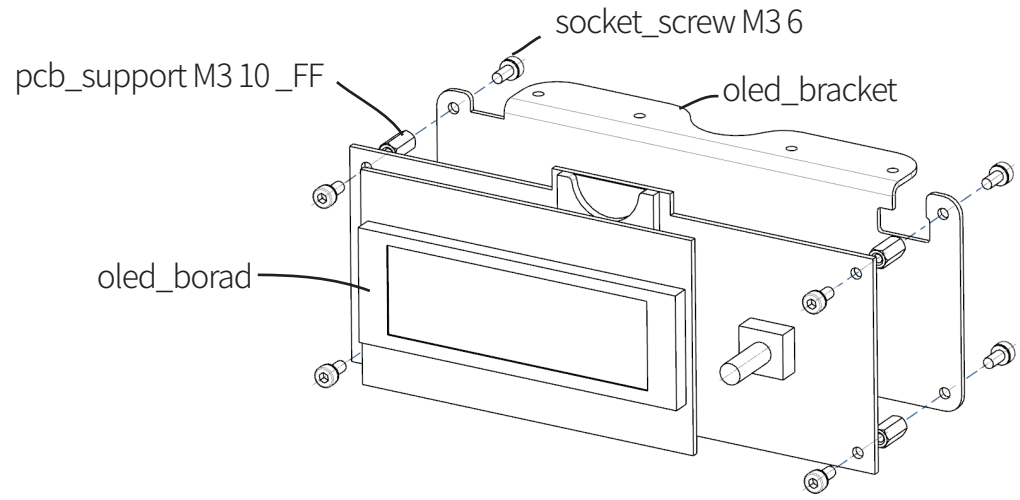
리미트 스위치에 2.5 핀을 끼운다
플렌지 베어링 두개를 4핀에 끼운다.
led는 250mm길이의 P.I tape으로 부착한다.

5 board

oled_bracket

pcb_support M3 10 _FF
socket_screw M3 6

5 oled



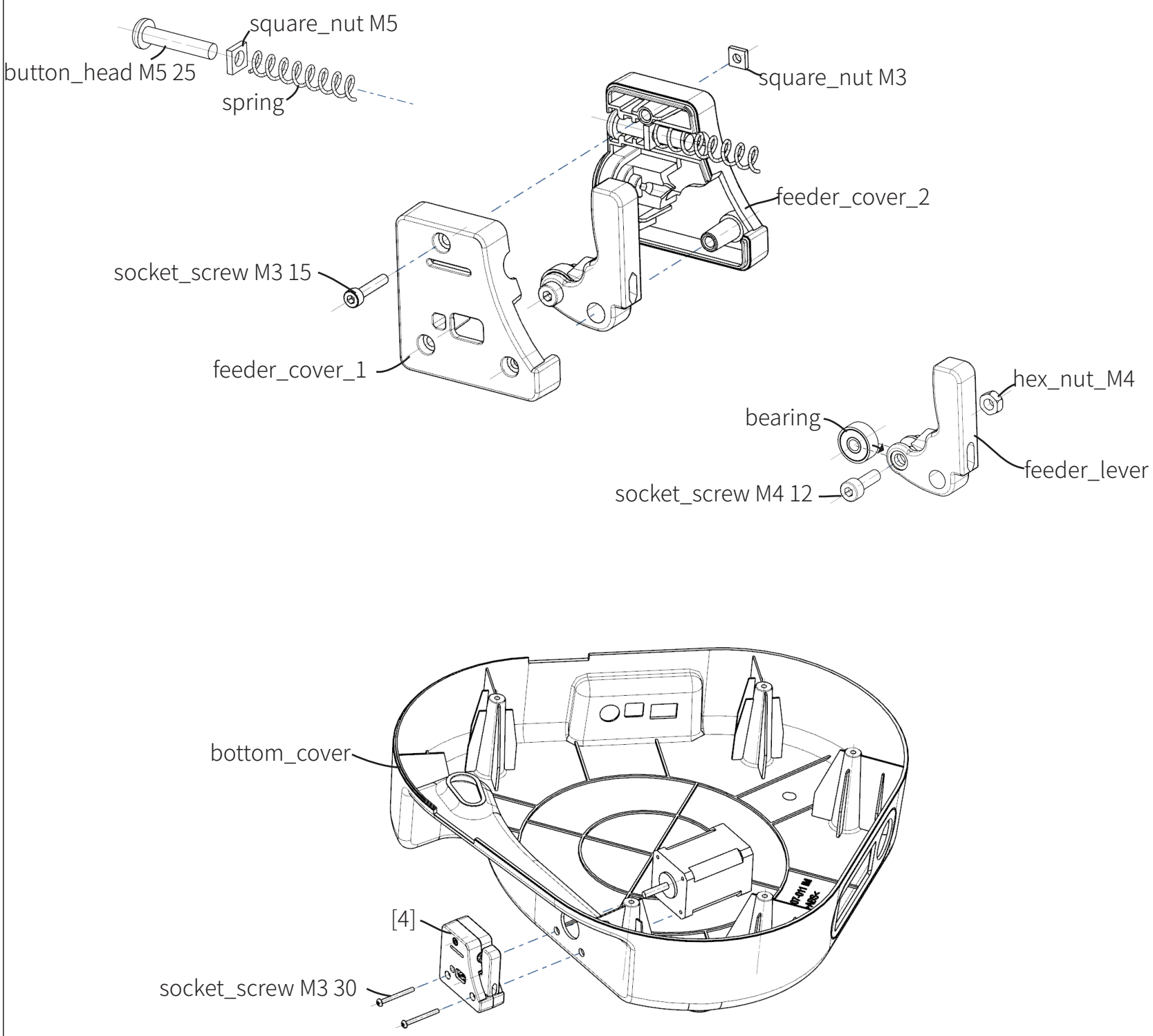
6

feeder_cover_1
feeder_cover_2
feeder_lever
bearing
spring
bottom_cover
button_head M5 25
socket_screw M4 12
hex_nut_M4
socket_screw M3 15
socket_screw M3 30
square_nut M5
square_nut M3
ocket_screw M3 30

3 hex wrench
2.5 hex wrench

6 feeder+bottom_cover

tube삽입



7

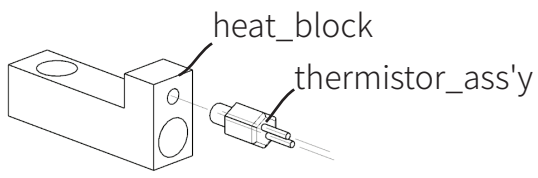
head_top_plate
magnet
heat_sink
disc_spring
tefron_guide
nozzle
nozzle_cap
heat_block
heat_cartridge_ass'y
thermistor_ass'y
fan_ass'y
cable_sleeve
head_cover
tube_clamp
cable_tie
cable_sleeve
P.I film

socket_screw M3 4
socket_screw M3 10
socket_screw M3 15
socket_screw M3 25

2.5 hex wrench

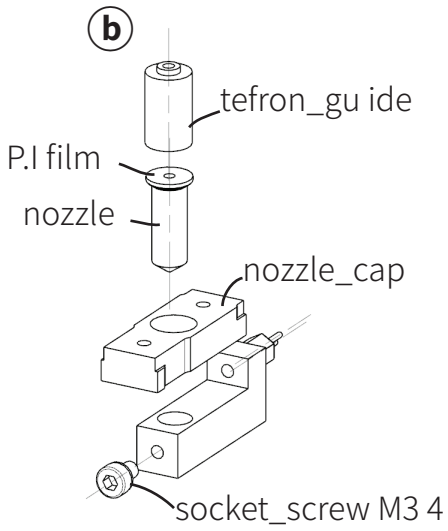
7 head

ⓐ

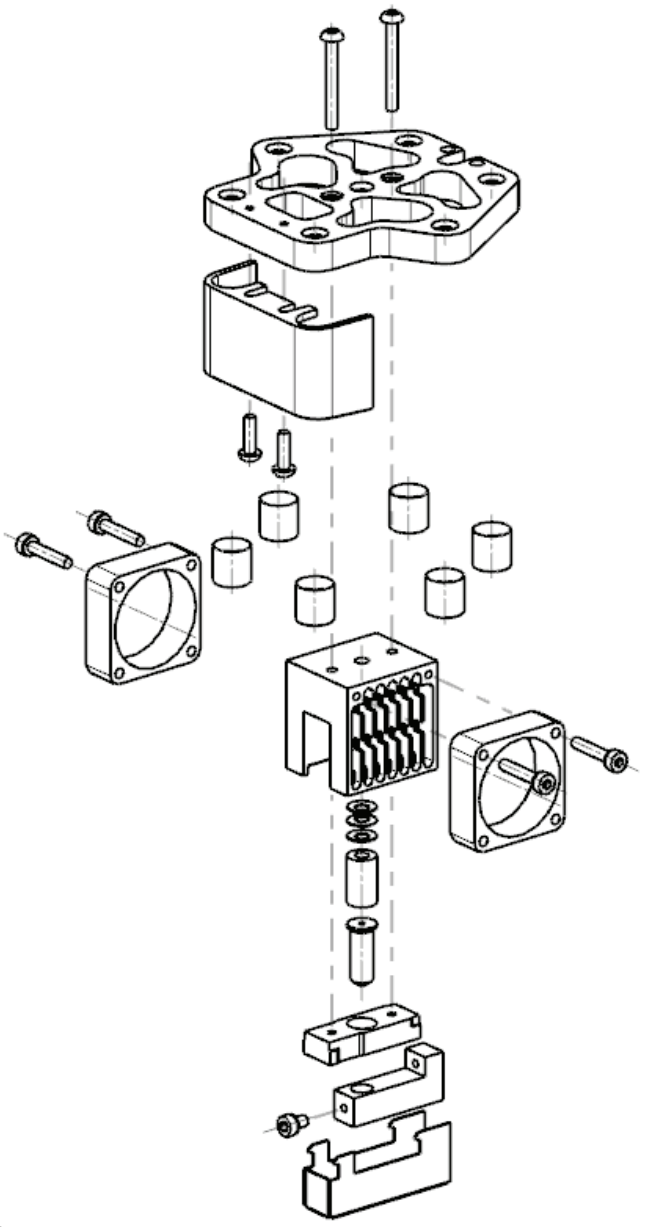


!떠미스터 조립시 케이블 주의

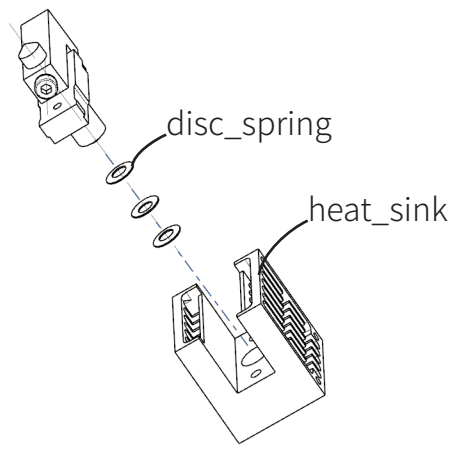
ⓑ



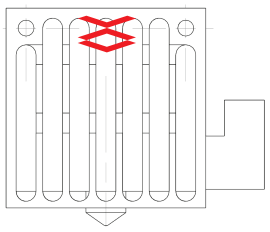
!테프론방향



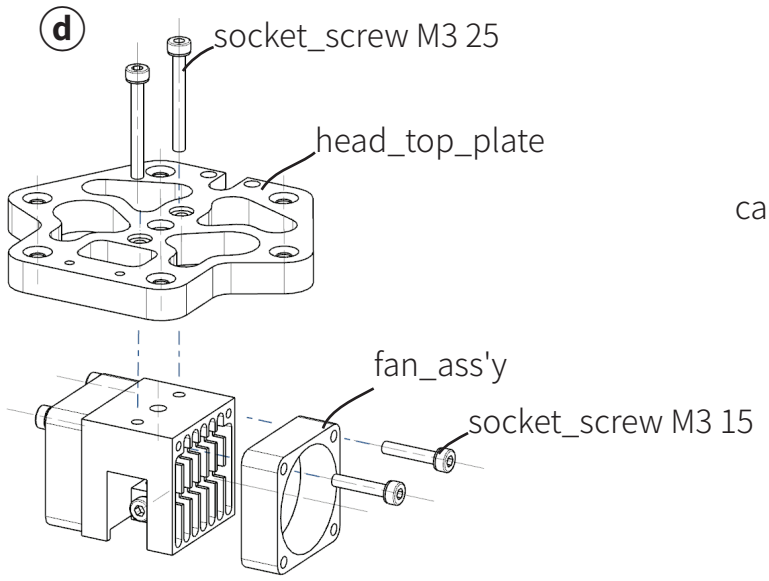
ⓒ



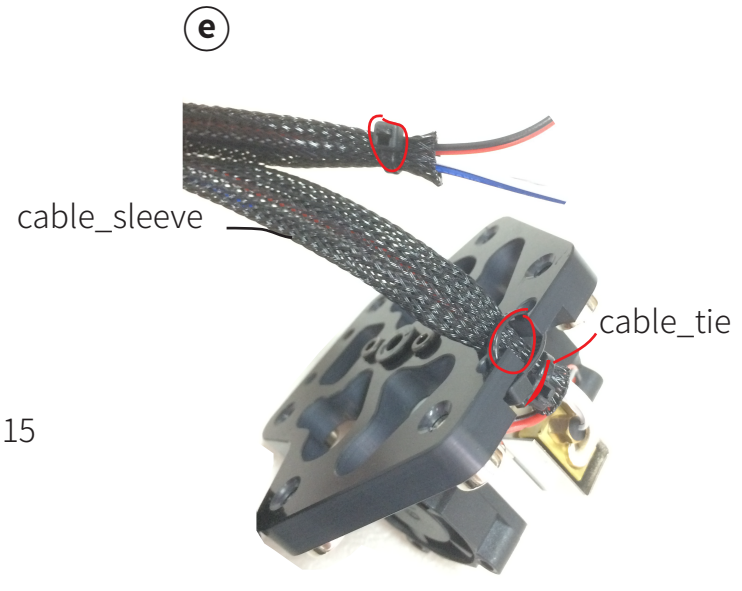
노즐조립 디스크스프링방향



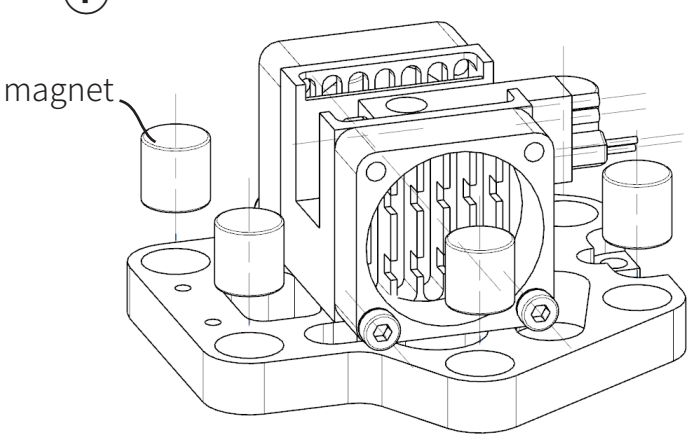
ⓓ



ⓔ



ⓕ



ⓖⓗ**매탈 스티커 부착 및 커버 체결.**

떠미스터를 고정시키고 힛블록을 돌려 체결한다. (단선의 위험으로 떠미스터 조립의 주의가 필요함)
노즐의 넓은 부위에 PI필름을 붙인다.
힛싱크에 티스크 스프링을 놓을때는 방향을 참고하여 삽입한다.
슬리브를 끼울때 떠미스터의 단선에 유의하며 작업한다.

8

bottom_plate
[2]
[5]
post
leveling_screw
bed_clip
heat_bed_pcb
cleaning_rubber
leveling_spring
leveling_wheel
heat_bed_cable
heat_bed_sensor_cable
glass_plate

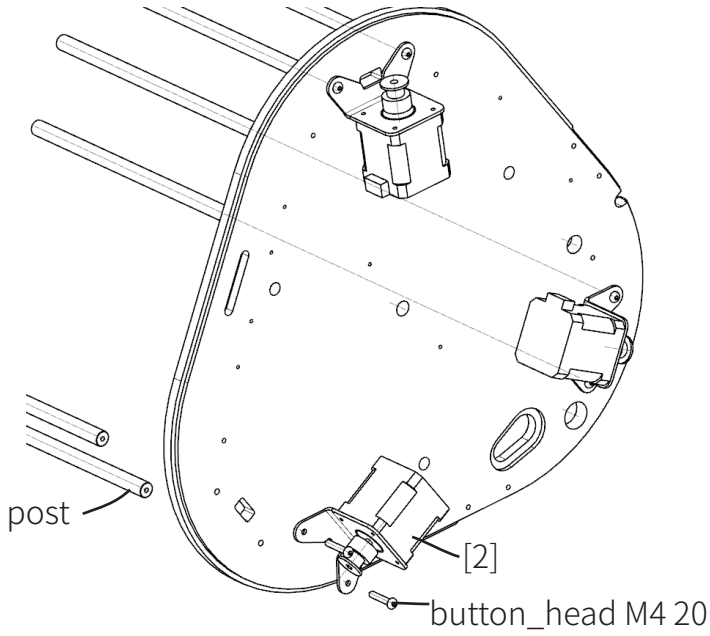
button_head M4 20
soket_screw M3 8
flat_head M3 5
hex_nut M8

3 hex wrench

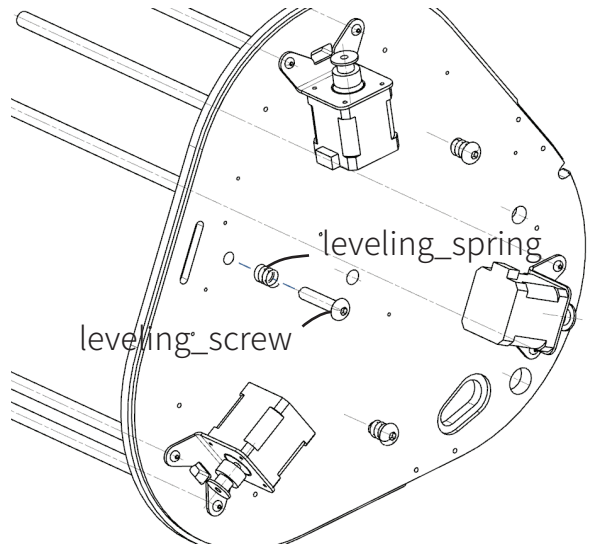
8

bottom_plate

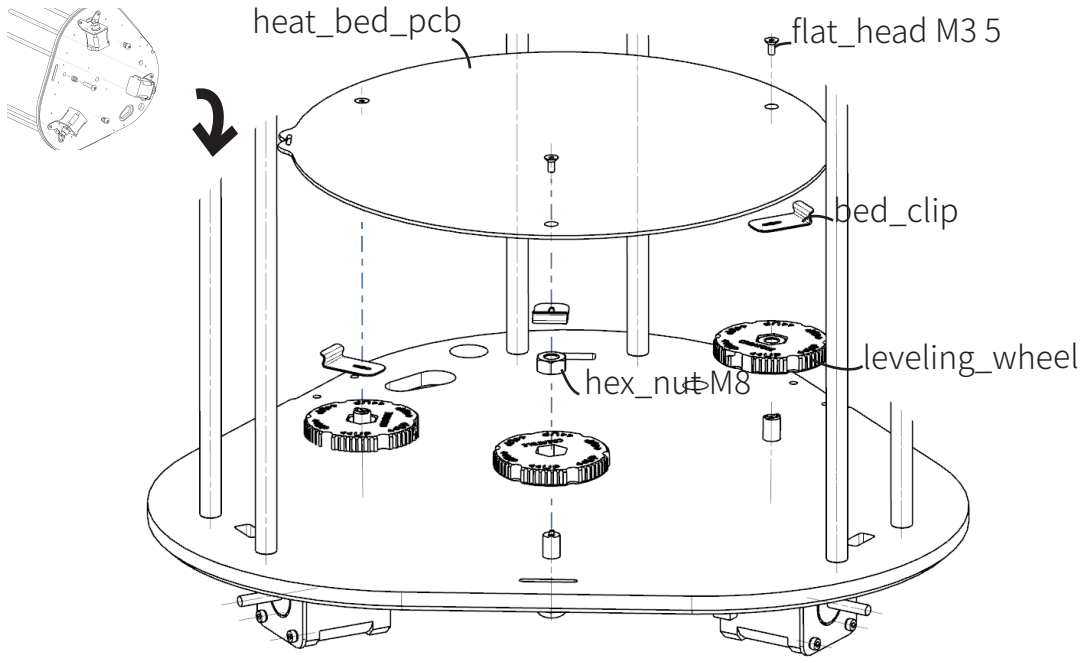
ⓐ



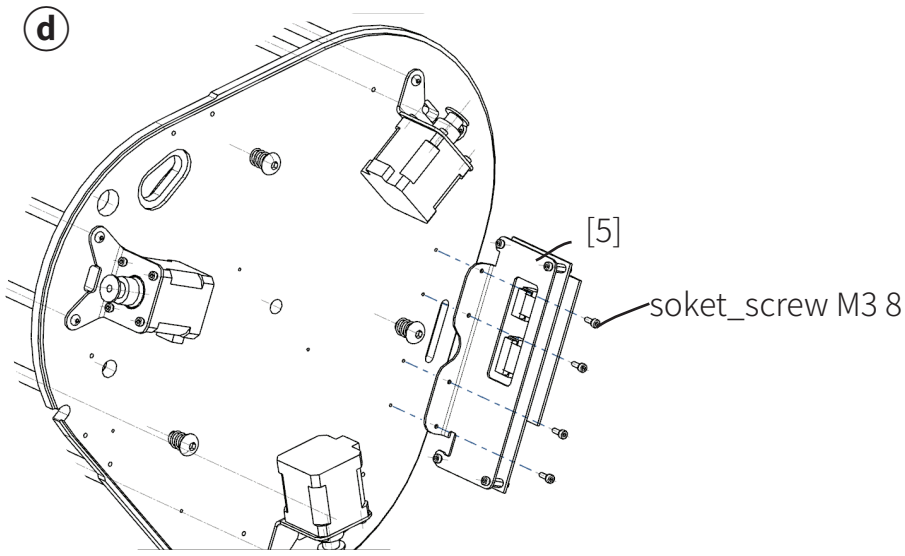
ⓑ



ⓒ



ⓓ



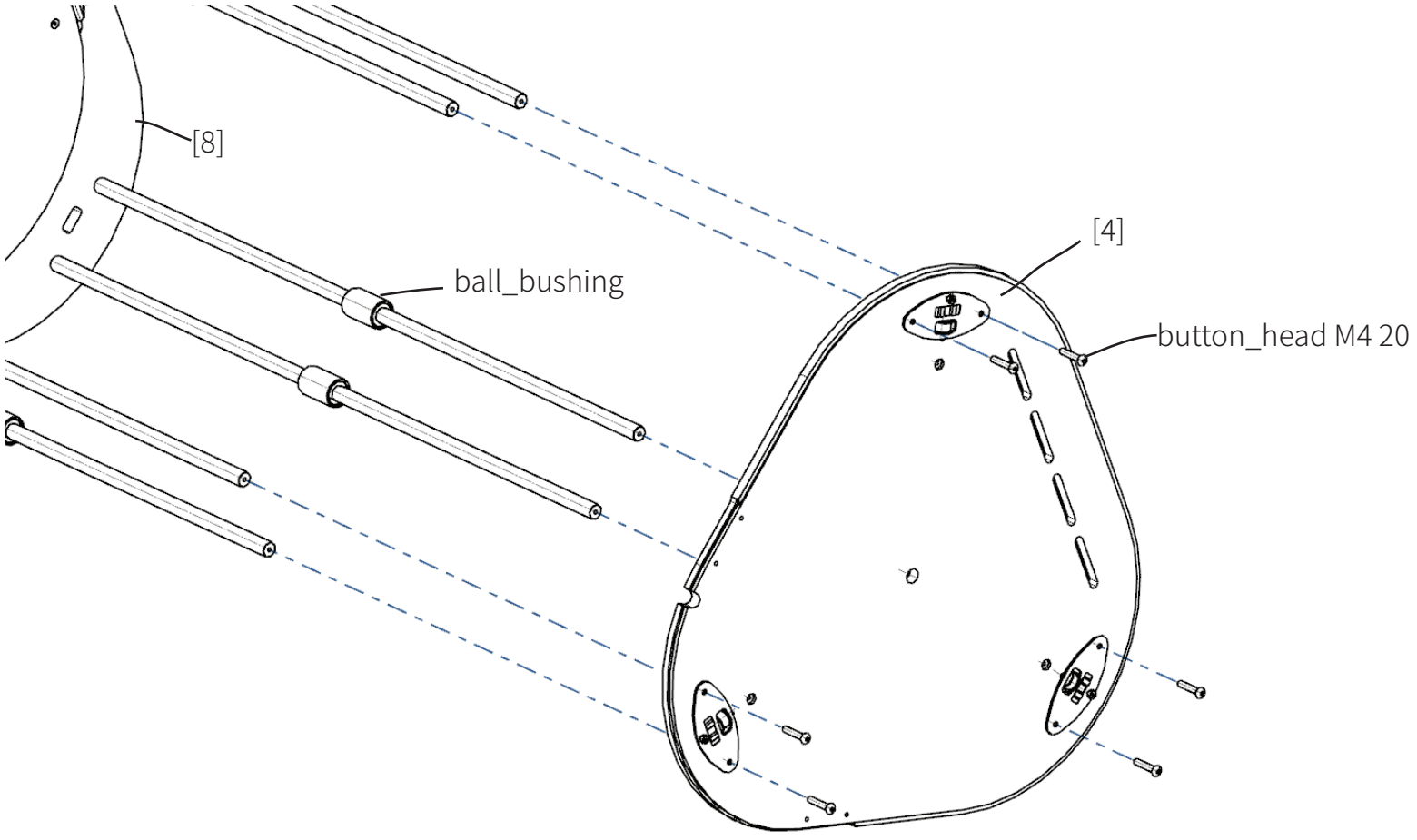
ⓑ과정은 옆으로 누인 채로 수행하며 레벨링스크류를 끼우고 M8 너트와 레벨링 휠을 체결한한다.
다시 세워서 베드의 체결을 수행한다.
[11]번 과정을 위해 옆으로 누인채로 [6]번을 조립한다.

9

[4]
[8]
button_head M4 20
ball_bushing

3 hex wrench

9 [4]+[8]



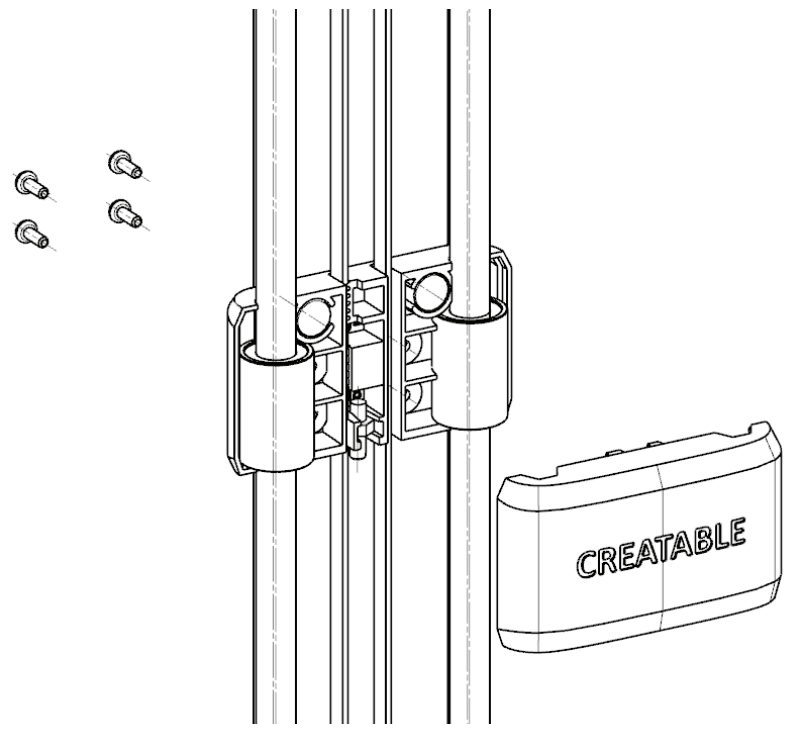
양쪽 플레이트를 결합과 동시에 각각의 포스트에 부싱을 삽입한다.

10

[9]
lift_blk_front
lift_blk_back
belt_fixer
timing_belt
magnet Φ10X10
ball_bushing
BH_tapping_screw 3 16

screwdriver

10 lift_block



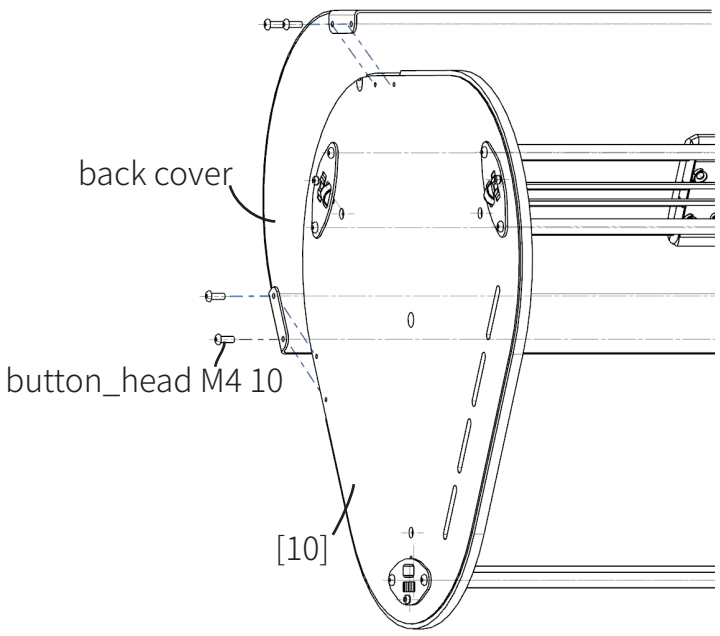
백커버- 자석- 픽서 순으로 조립한다.

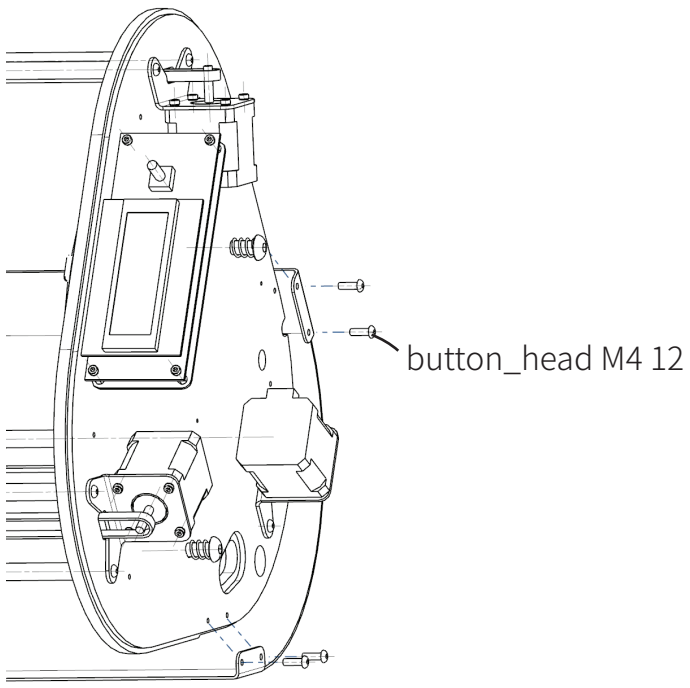
11

[10]
back cover
button_head M4 10
button_head M4 12

3 hex wrench

11 [10]+back_cover





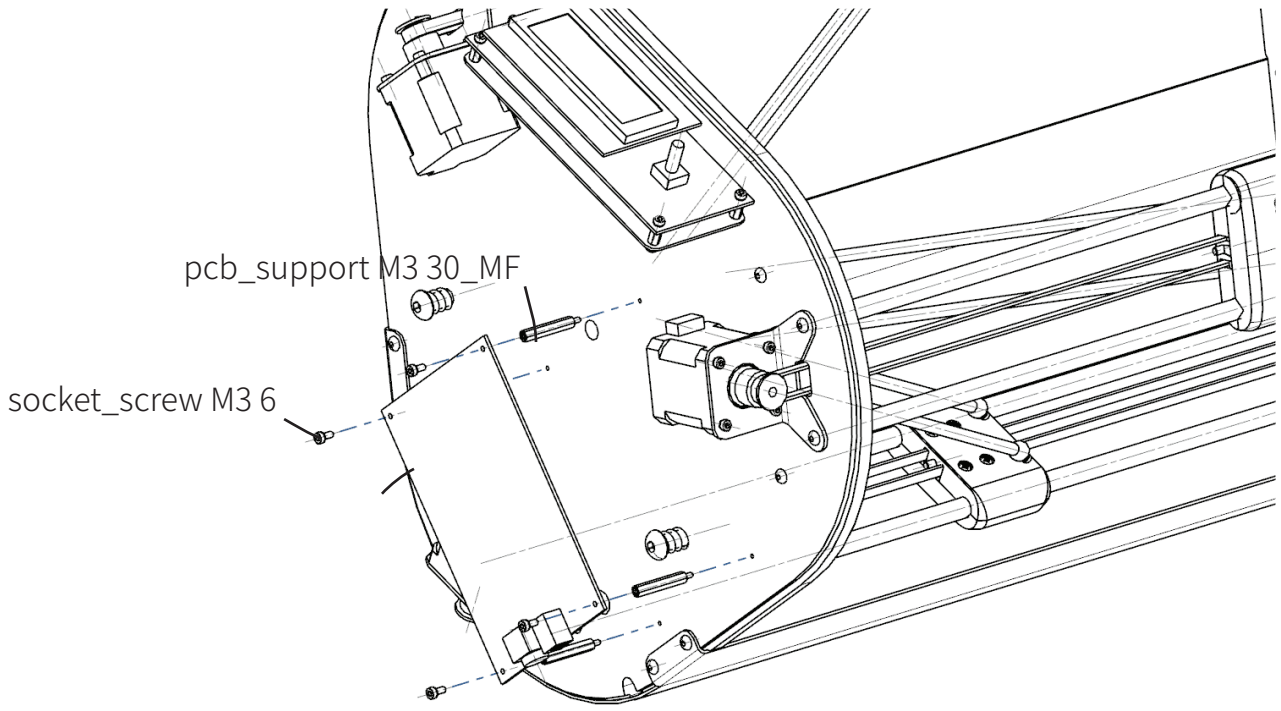
아래와 위의 볼트길이가 다르므로 구분하여 체결한다.

12

[11]
main_board
pcb_support M3 30_MF
socket_screw M3 6

2.5 hex wrench

12 [11]+main_board



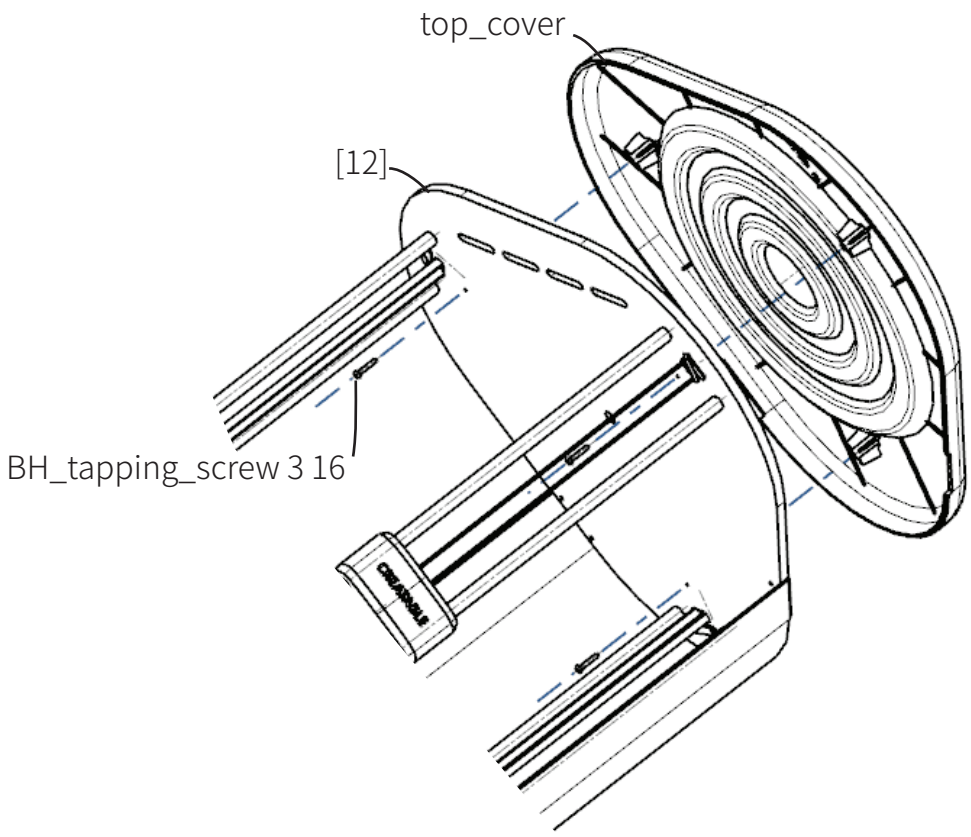
케이블 정리

13

[12]
top_cover
BH_tapping_screw 3 16

Phillips head screwdriver

13 [12]+top_cover

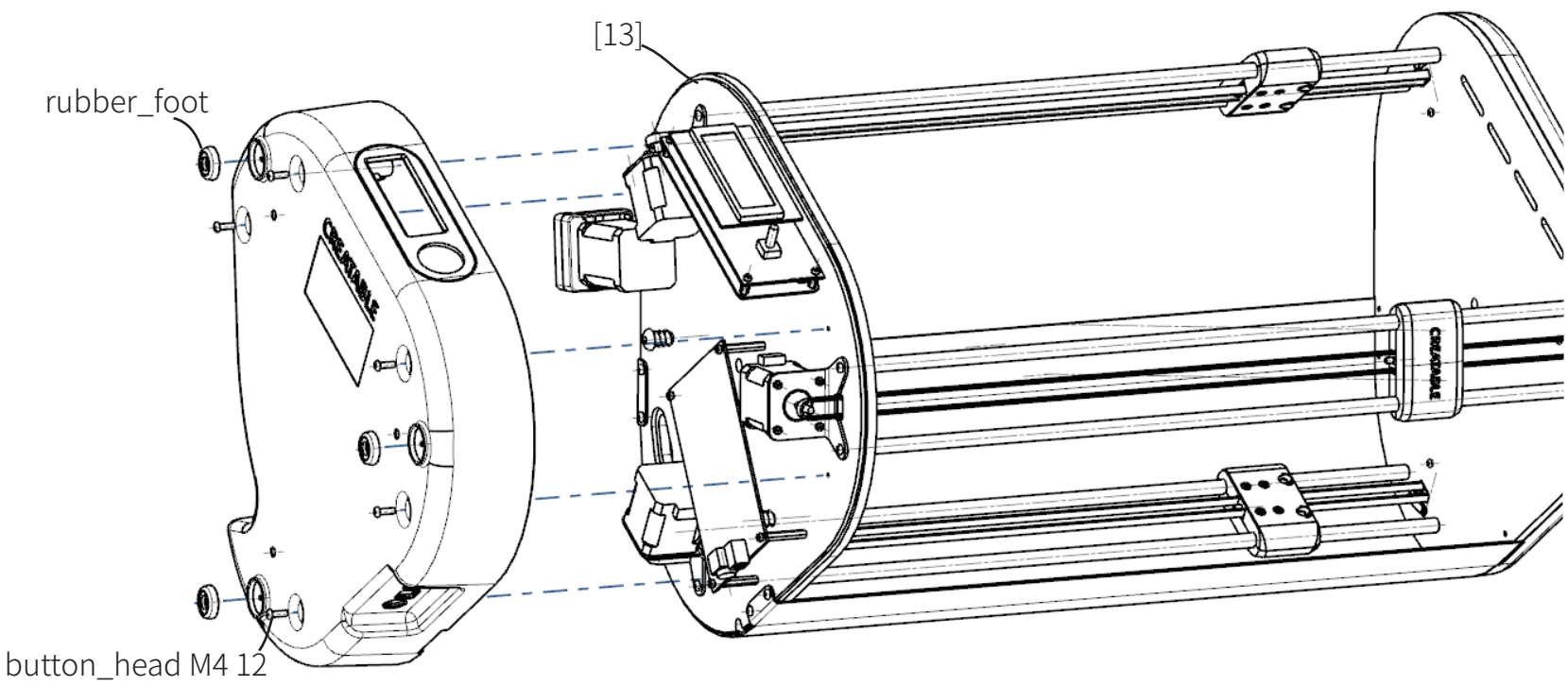


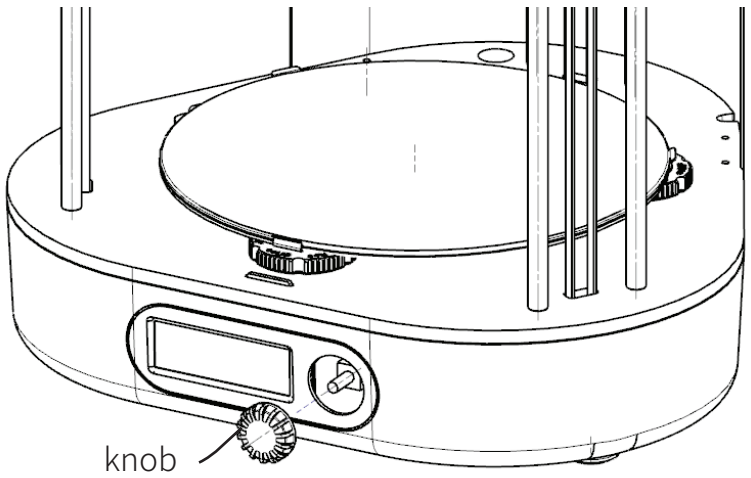
14

[4]
[13]
rubber_foot
knob
button_head M4 12

2.5 hex wrench

14 [13]+[4]

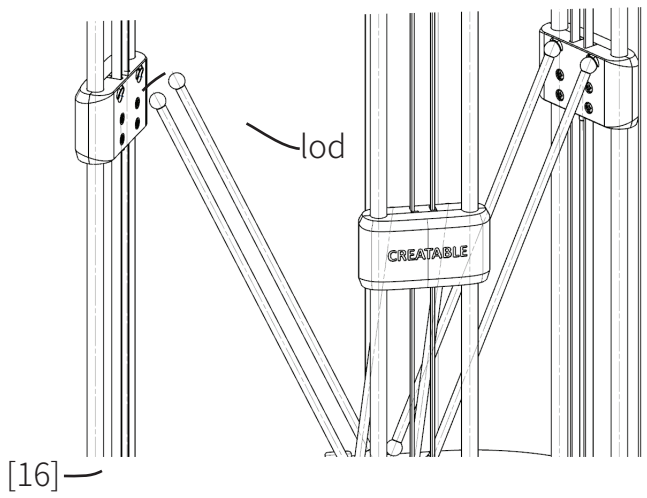


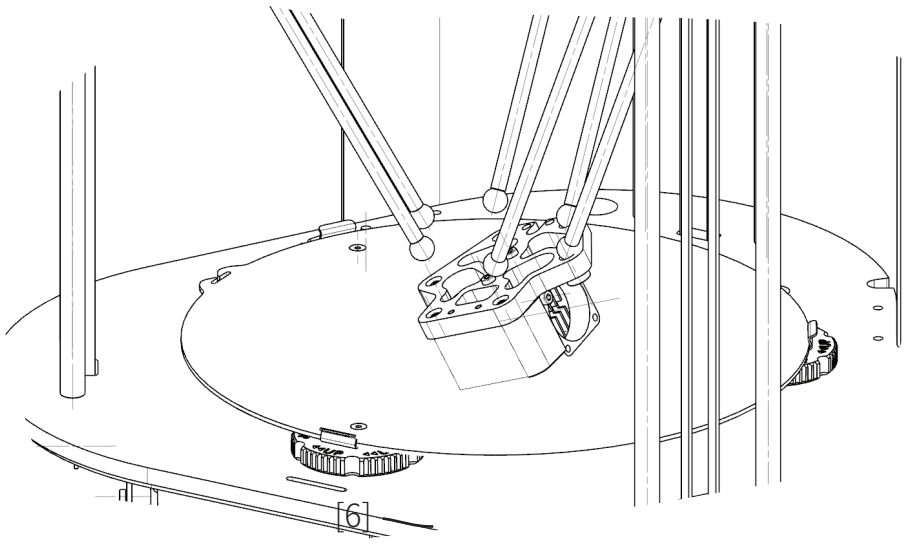


15

[16]
lod
[7]

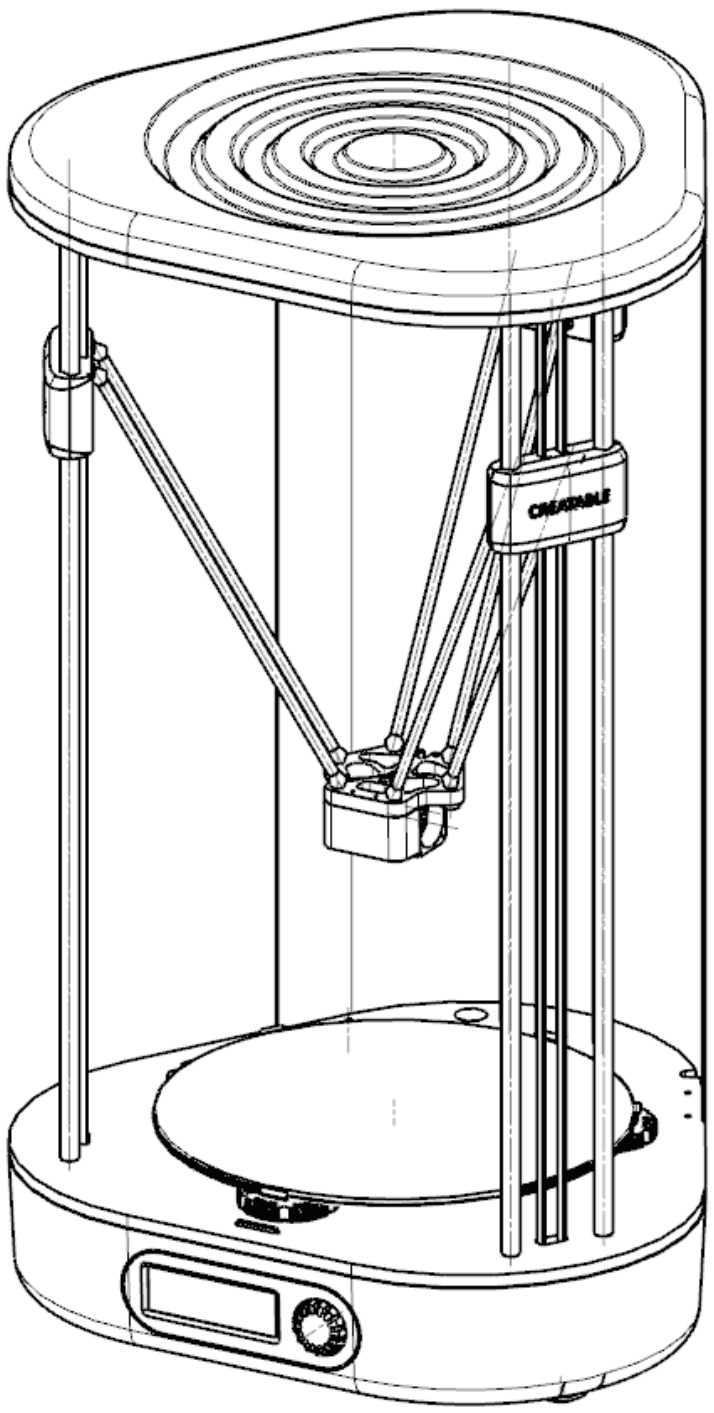
15 [16]+[7]+lod





튜브 클램프에 픽서를 끼운 다음에 튜브를 넣는다.`

com



9

7
8

3 hex wrench

button_head M4 20
ball_bushing

9 7+8