

ProBot: EggBot Pro Mini #01

assembly instruction

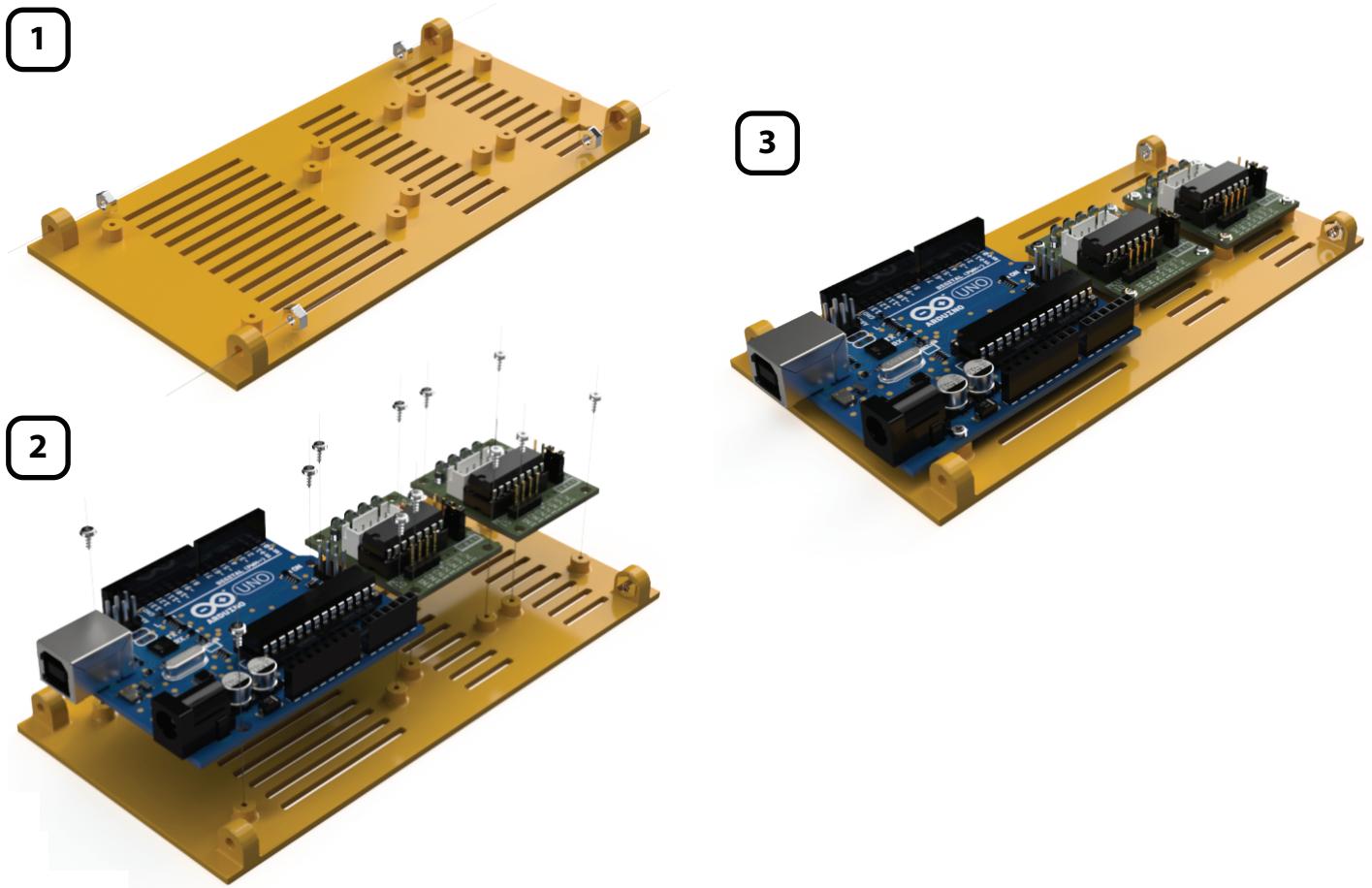
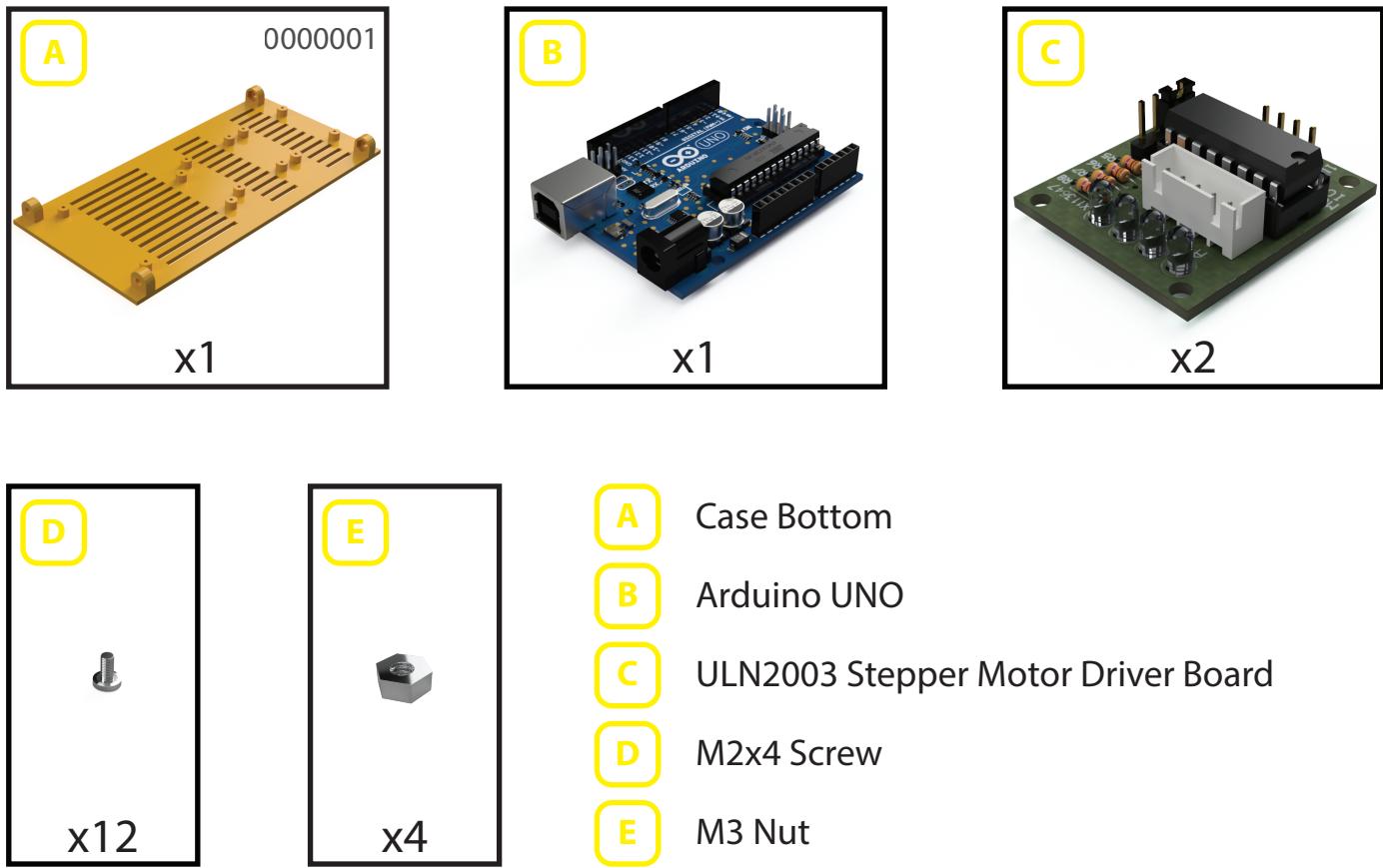




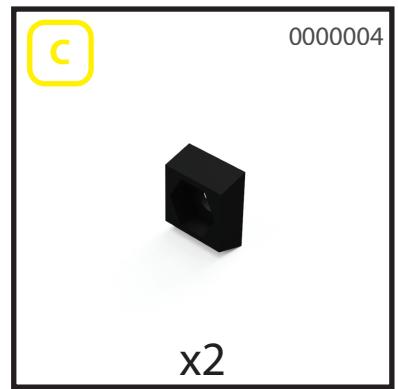
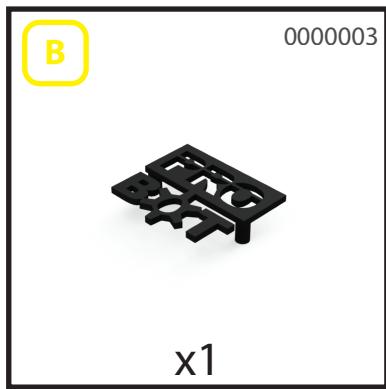
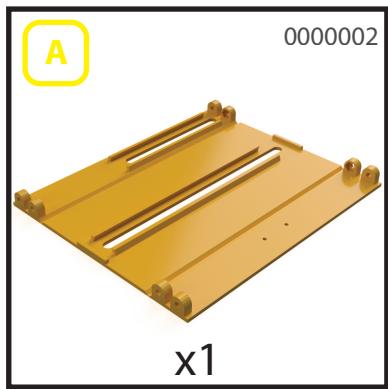
PRO
BOT

www.probot.xyz

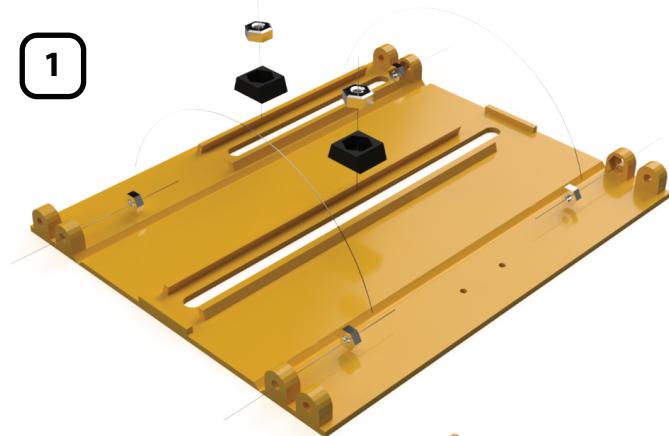
1 Installation of electronics in the case bottom



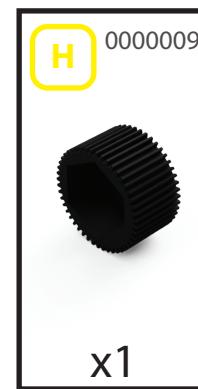
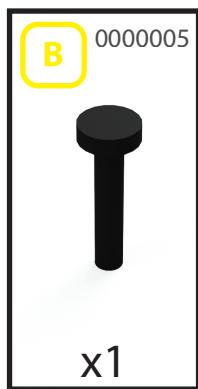
2 Assembling the case top



- A** Case Top
- B** Logo
- C** M4 Nut Holder
- D** M3 Nut
- E** M4 Nut



3 Assembling the right egg holder

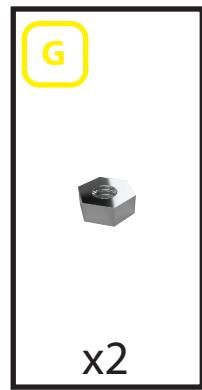
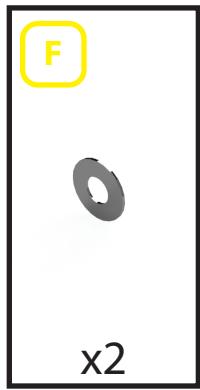
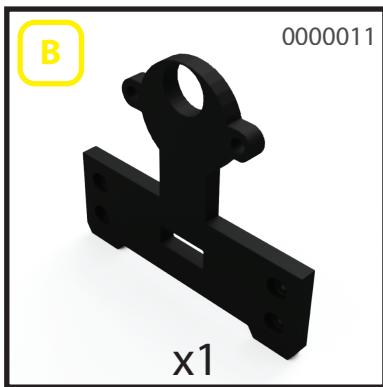
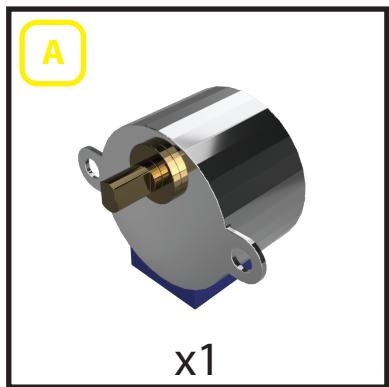


A 15mm Rubber Gasket
B Axis R
C 15x20 Spring
D Spring Holder
E 608zz Bearing

F Axis R Holder
G Axis R Lock
H M4 Bolt Holder Bottom
I M4x16 Bolt
J M4 Bolt Holder Top



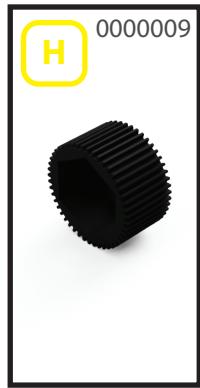
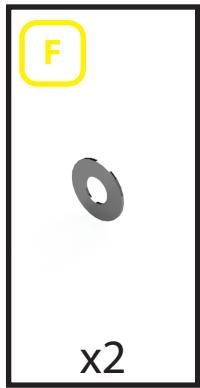
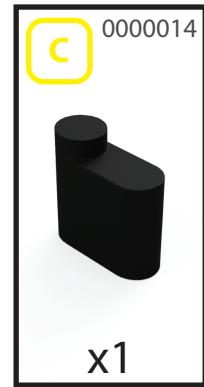
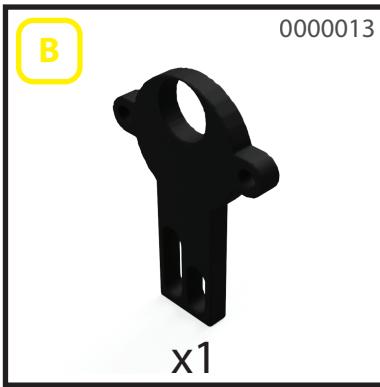
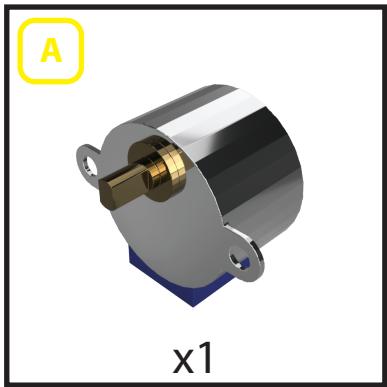
4 Assembling the left egg holder



- [A] 28byj-48-12v Stepper Motor
- [B] Axis L Holder
- [C] Axis L
- [D] 24mm Rubber Gasket
- [E] M3x12 Screw
- [F] M3 Washer
- [G] M3 Nut



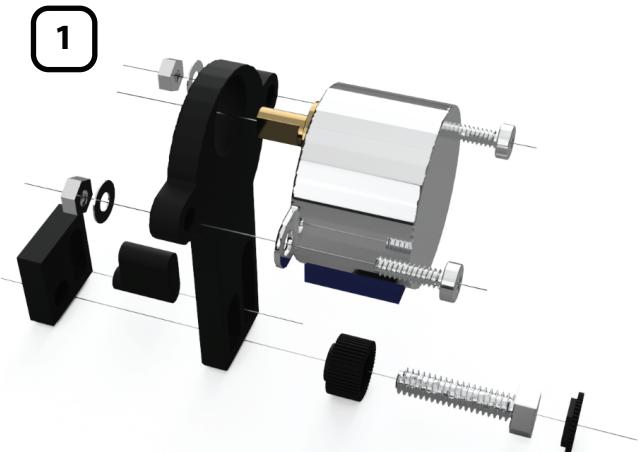
5 Assembling the hand bottom



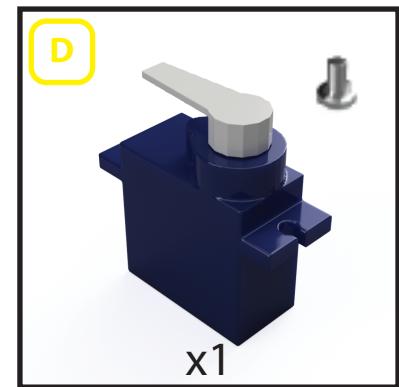
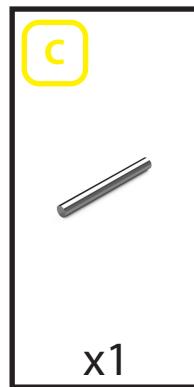
- [A] 28byj-48-12v Stepper Moto
- [B] Hand Holder
- [C] Hand Holder Guide
- [D] Hand Holder Guide Case

- [E] M3x12 Screw
- [F] M3 Washer
- [G] M3 Nut
- [H] M4 Bolt Holder Bottom

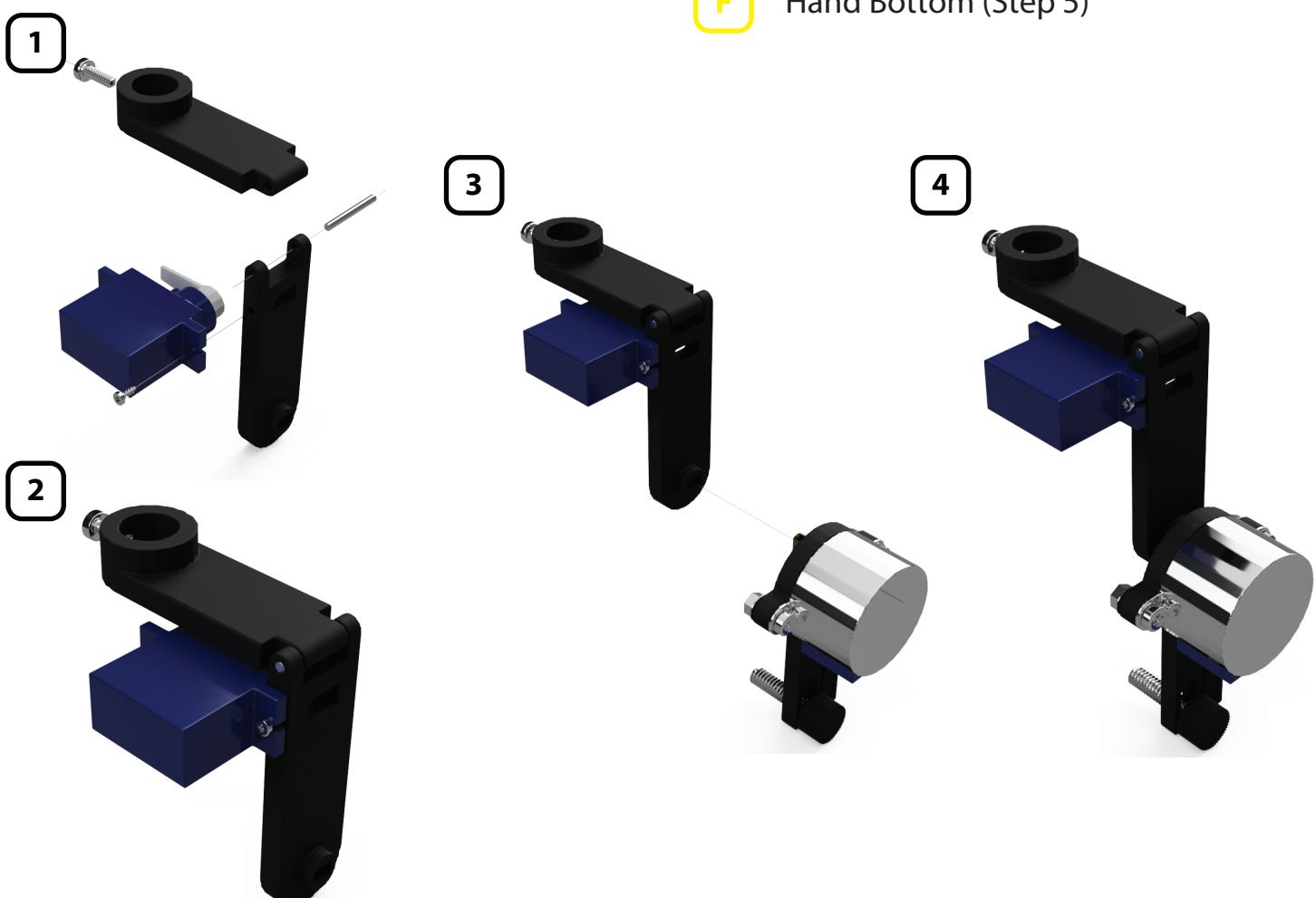
- [J] M4x16 Bolt
- [K] M4 Bolt Holder Top



6 Assembling the hand



- A Hand H
- B Hand V
- C 2 x 18mm Iron Nail without a hat
- D SG90 Micro Servo
- E M3x16 Screw
- F Hand Bottom (Step 5)



7 Electronics connection

A 28byj-48-12v Hand Stepper Motor

B SG90 Micro Servo
+5 GND 13

C ULN2003 Stepper Motor Driver

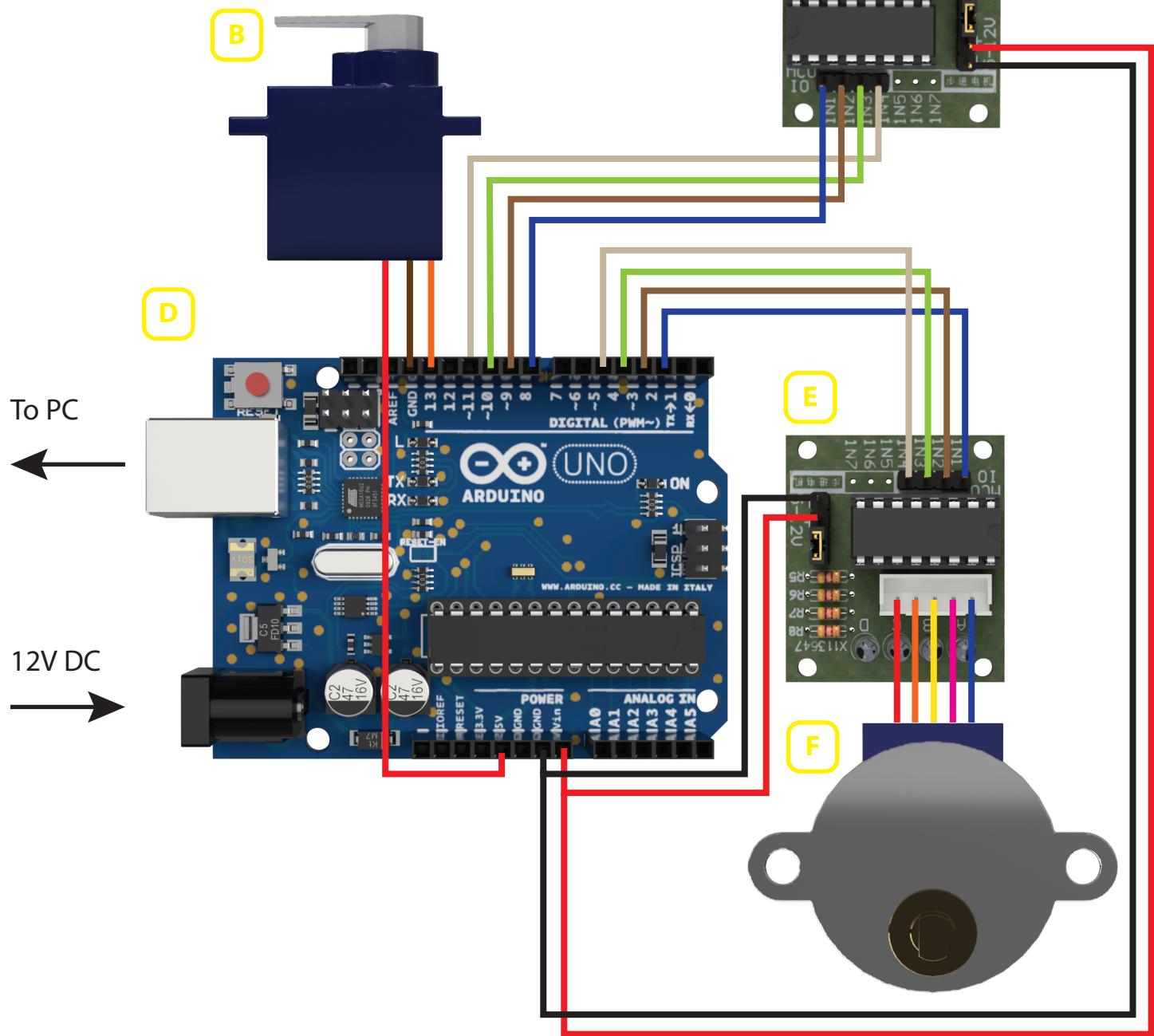
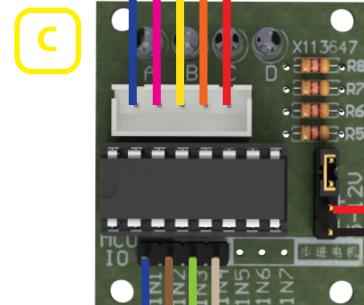
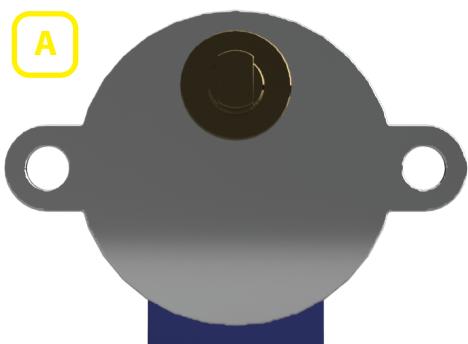
IN1	IN2	IN3	IN4
8	9	10	11

D Arduino UNO

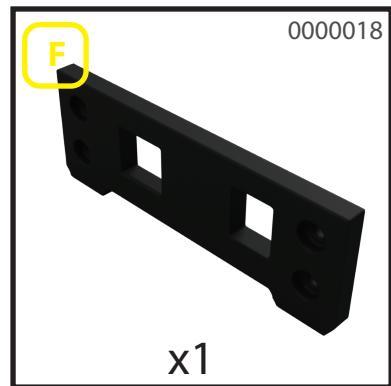
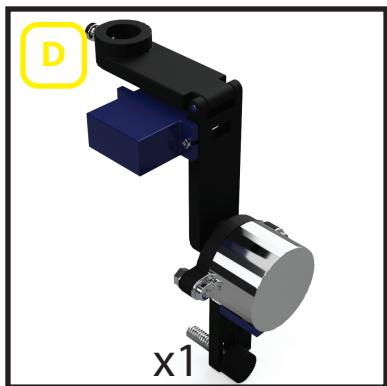
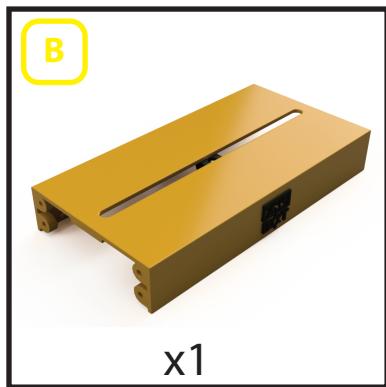
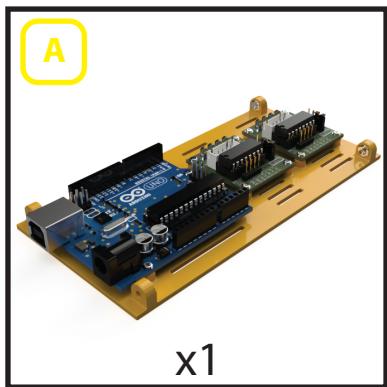
E ULN2003 Stepper Motor Driver

IN1	IN2	IN3	IN4
2	3	4	5

F 28byj-48-12v Egg Stepper Motor



8 Final assembly



- A: Case Bottom (Step 1)
- B: Case Top (Step 2)
- C: Left Egg Holder (Step 4)
- D: Hand (Step 6)
- E: Right Egg Holder (Step 3)

- F: Case Right
- G: M3x12 Screw
- H: M3x16 Screw

