

ProBot: Egg Painter Mini v1.1

assembly instruction

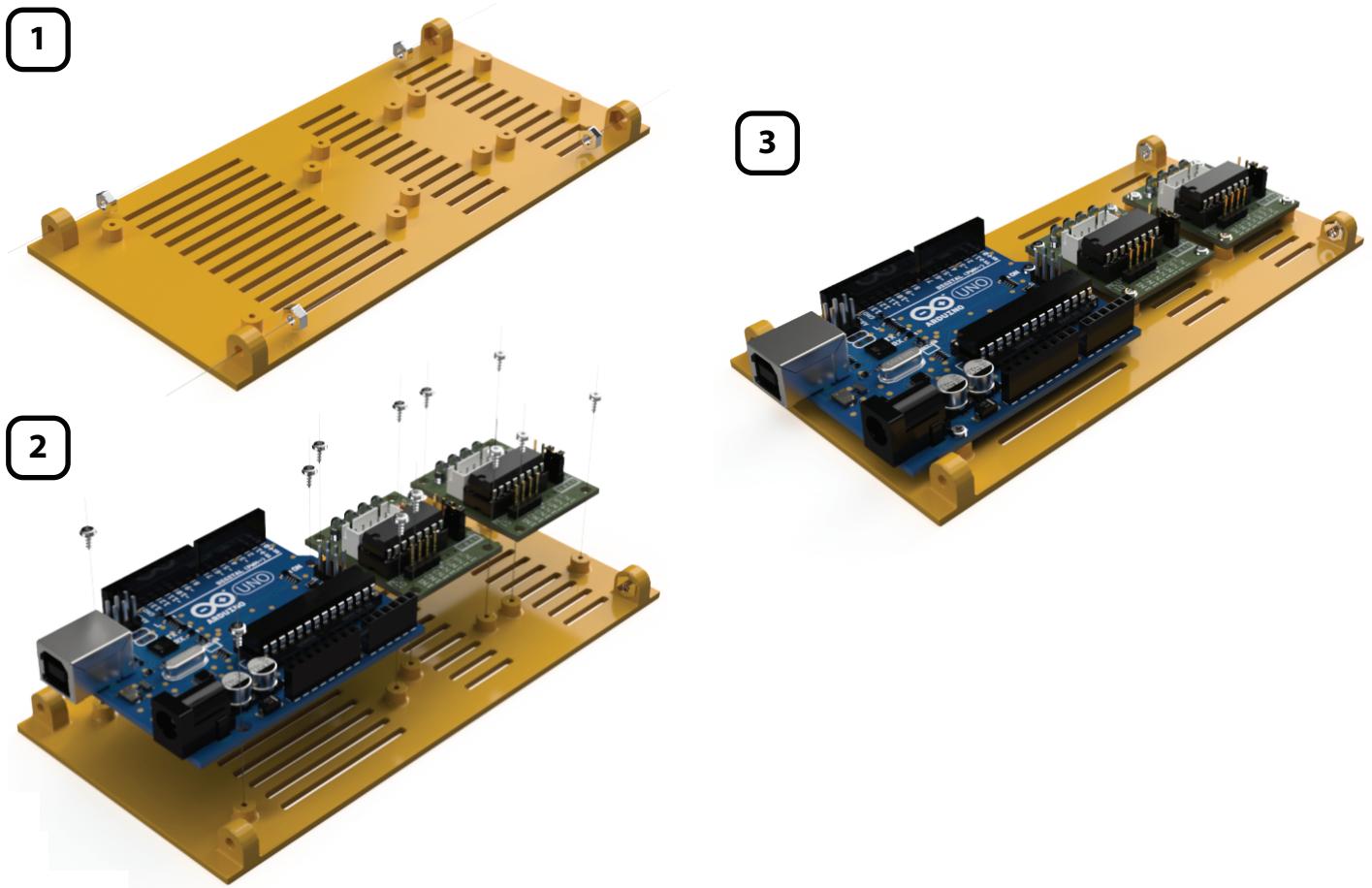
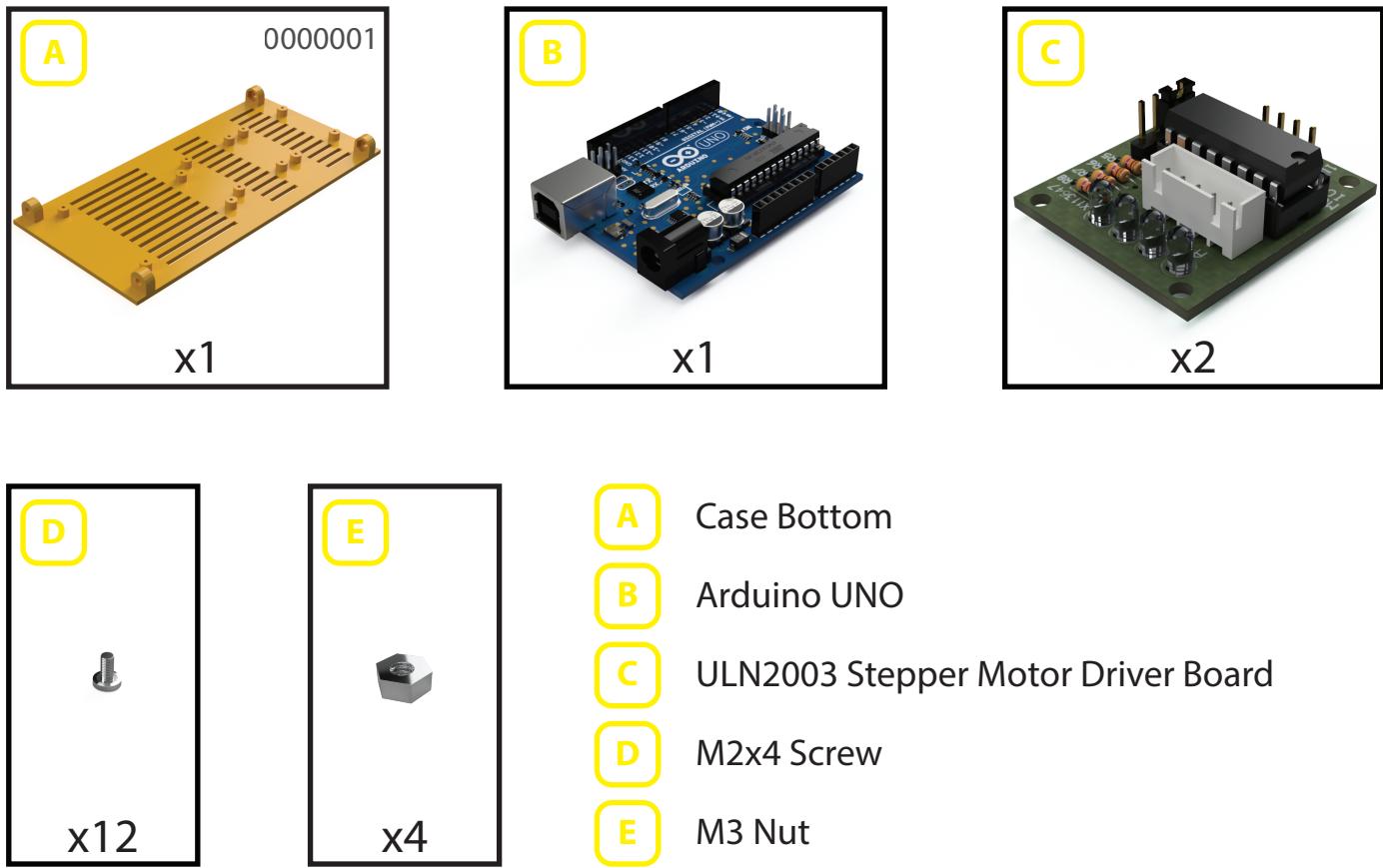




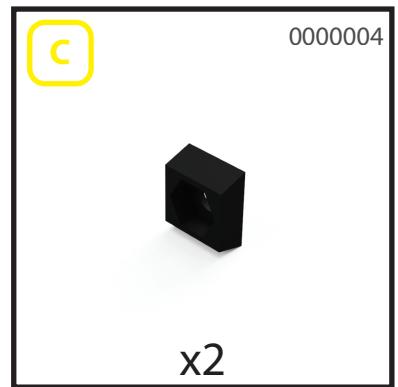
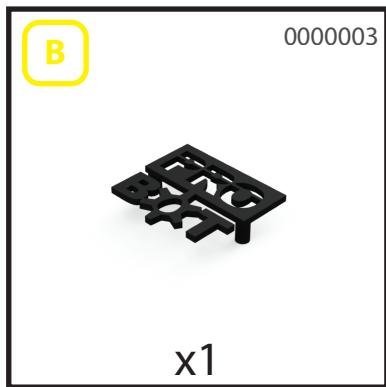
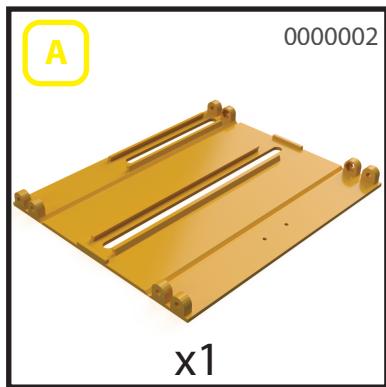
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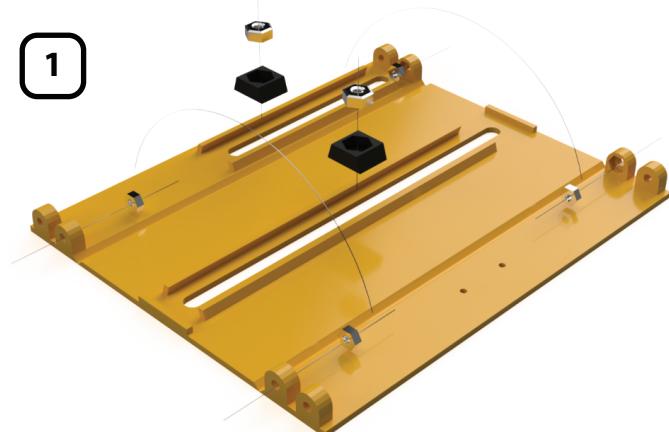
1 Installation of electronics in the case bottom



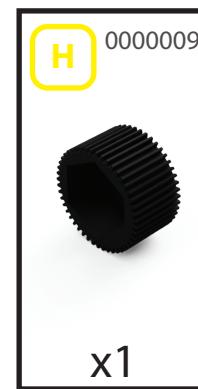
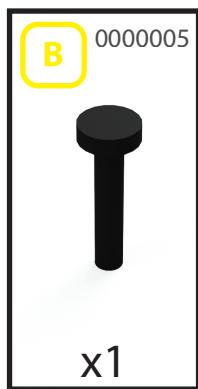
2 Assembling the case top



- A** Case Top
- B** Logo
- C** M5 Nut Holder
- D** M3 Nut
- E** M5 Nut



3 Assembling the right egg holder

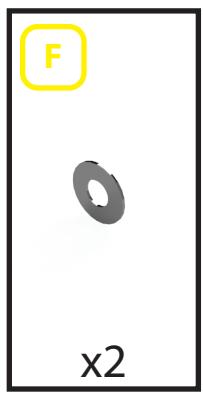
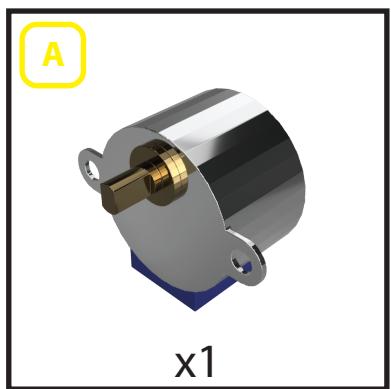


A 15mm Rubber Gasket
B Axis R
C 15x20 Spring
D Spring Holder
E 608zz Bearing

F Axis R Holder
G Axis R Lock
H M5 Bolt Holder Bottom
I M5x20 Bolt
J M5 Bolt Holder Top



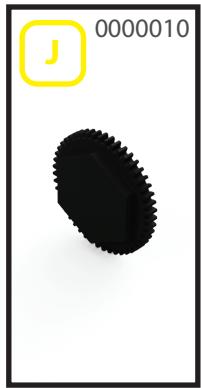
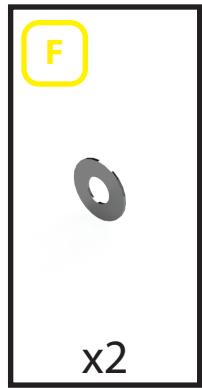
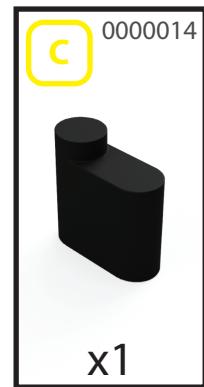
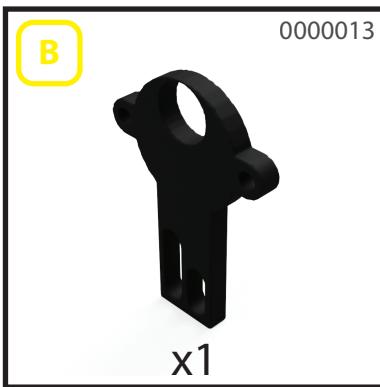
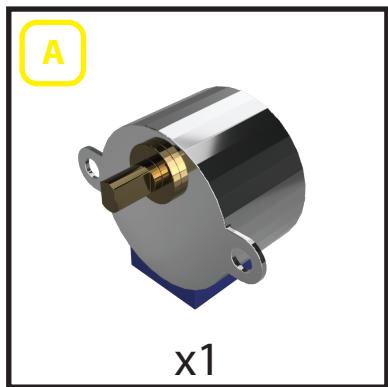
4 Assembling the left egg holder



- [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



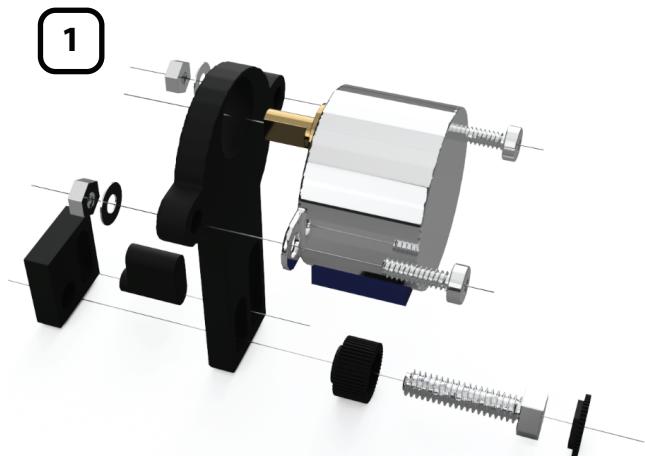
5 Assembling the hand bottom



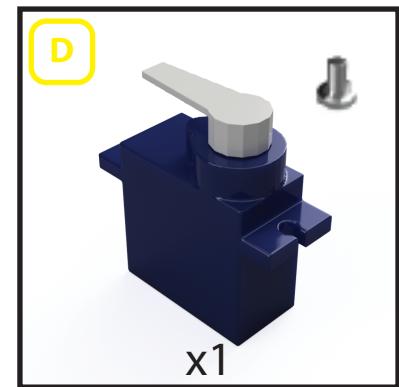
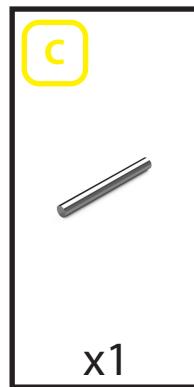
- A** 28byj-48-12v Stepper Motor
- B** Hand Holder
- C** Hand Holder Guide
- D** Hand Holder Guide Case

- E** M3x12 Screw
- F** M3 Washer
- G** M3 Nut
- H** M5 Bolt Holder Bottom

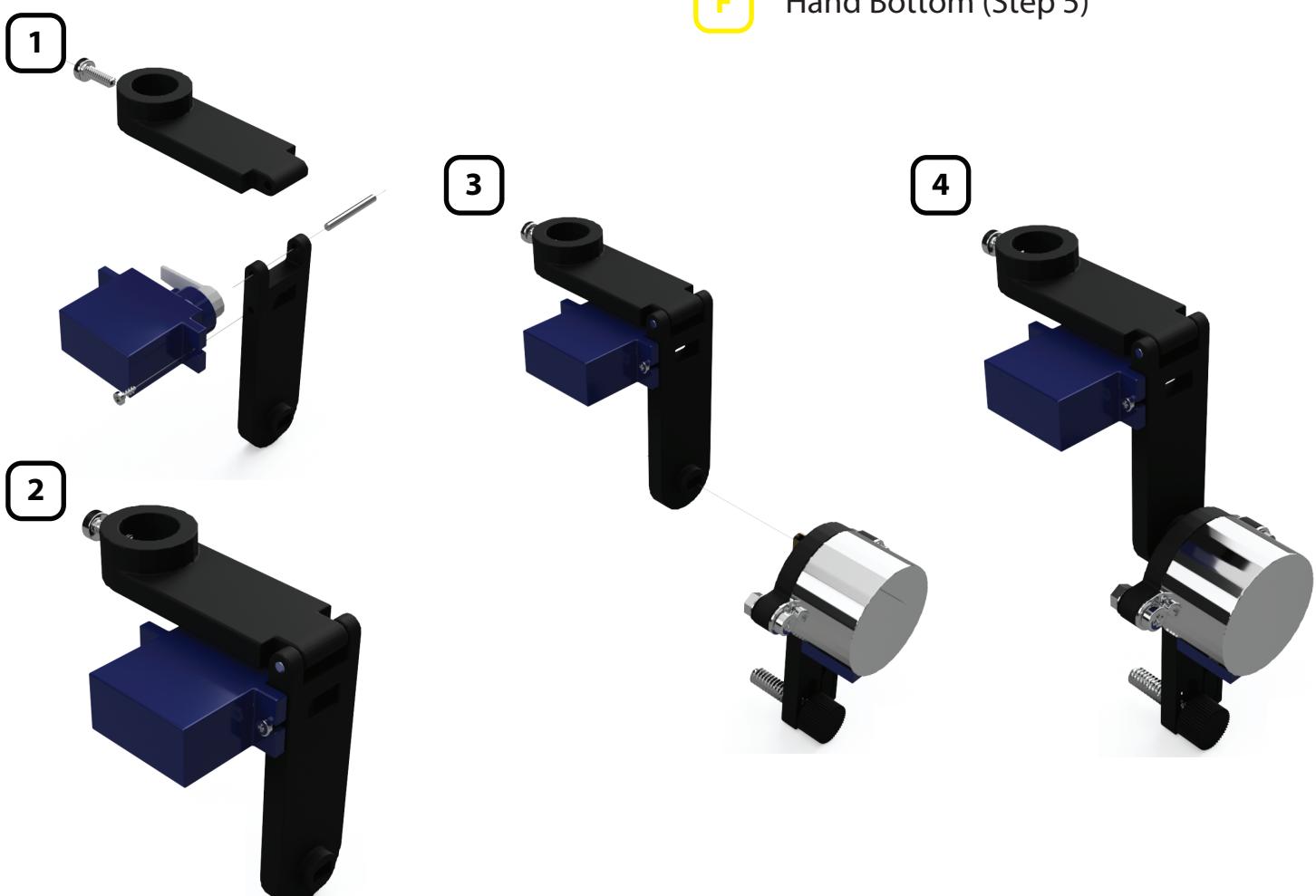
- J** M5x20 Bolt
- K** M5 Bolt Holder Top



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

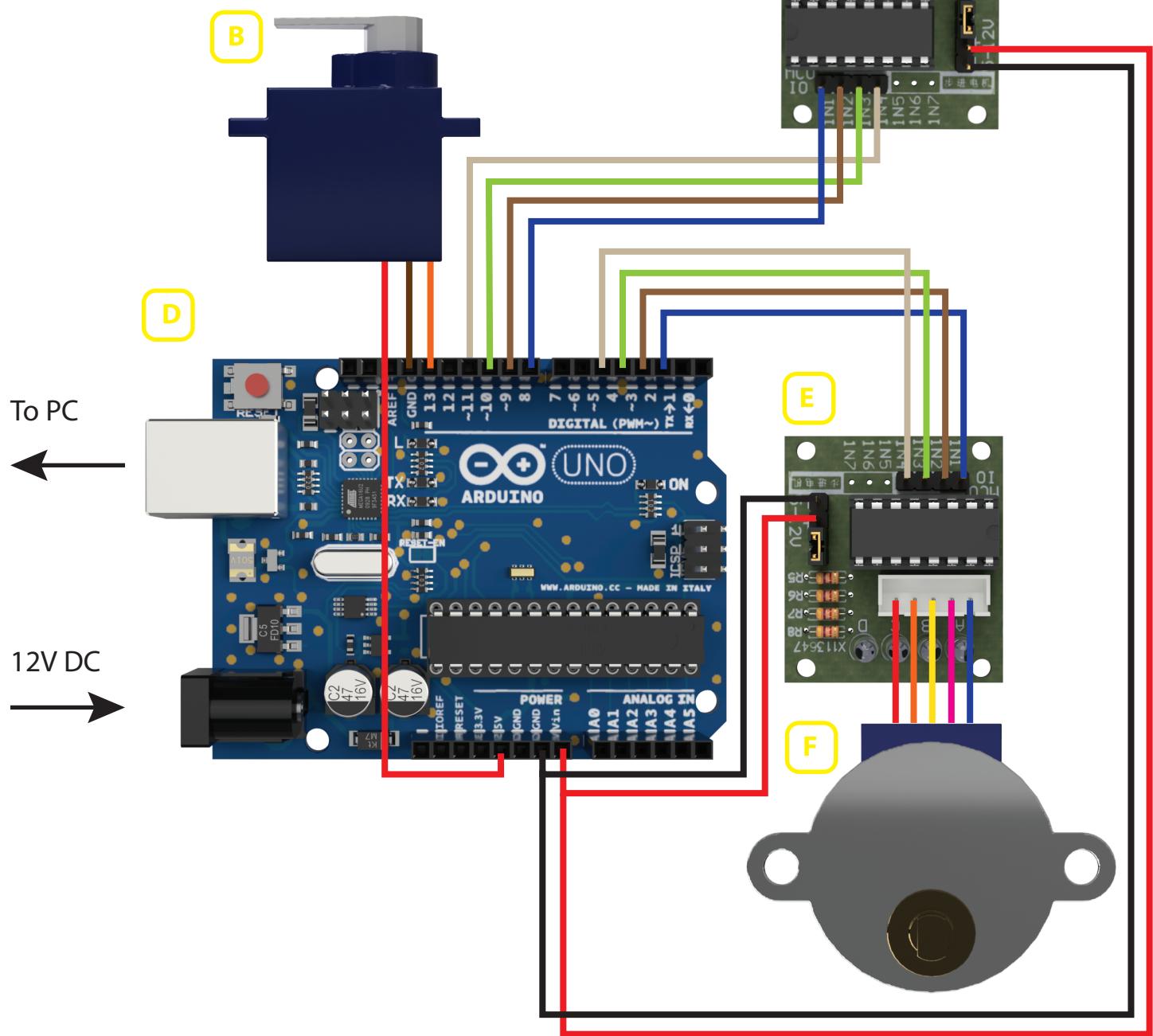
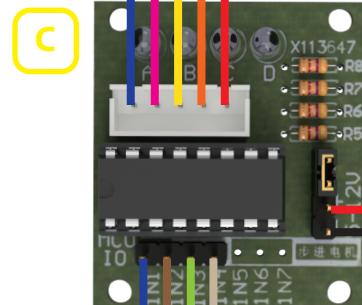
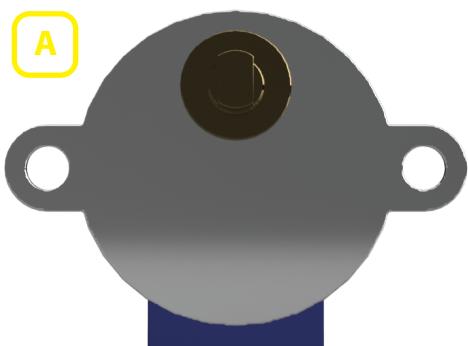
IN1	IN2	IN3	IN4
8	9	10	11

D Arduino UNO

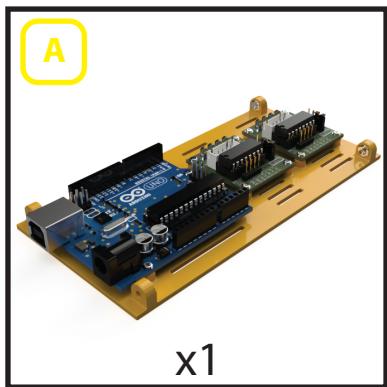
E ULN2003 Stepper Motor Driver

IN1	IN2	IN3	IN4
2	3	4	5

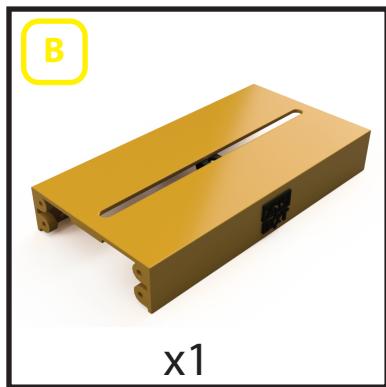
F 28byj-48-12v Egg Stepper Motor



8 Final assembly



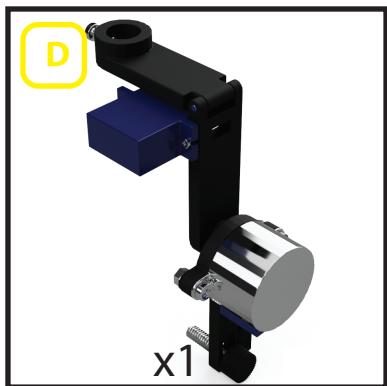
x1



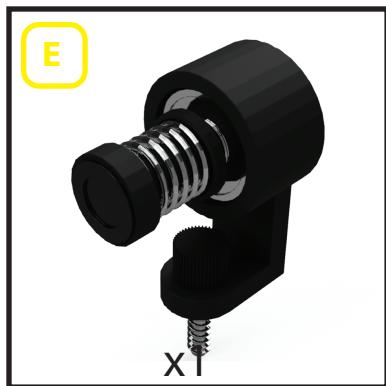
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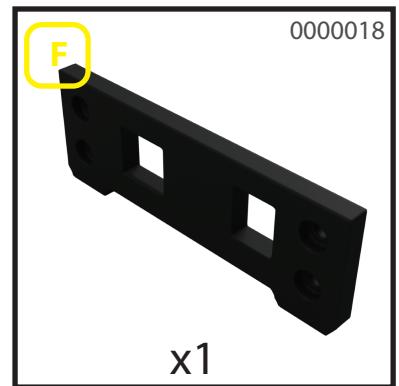
x1



x1



x1



x1



x4



x4

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

