

Step 1

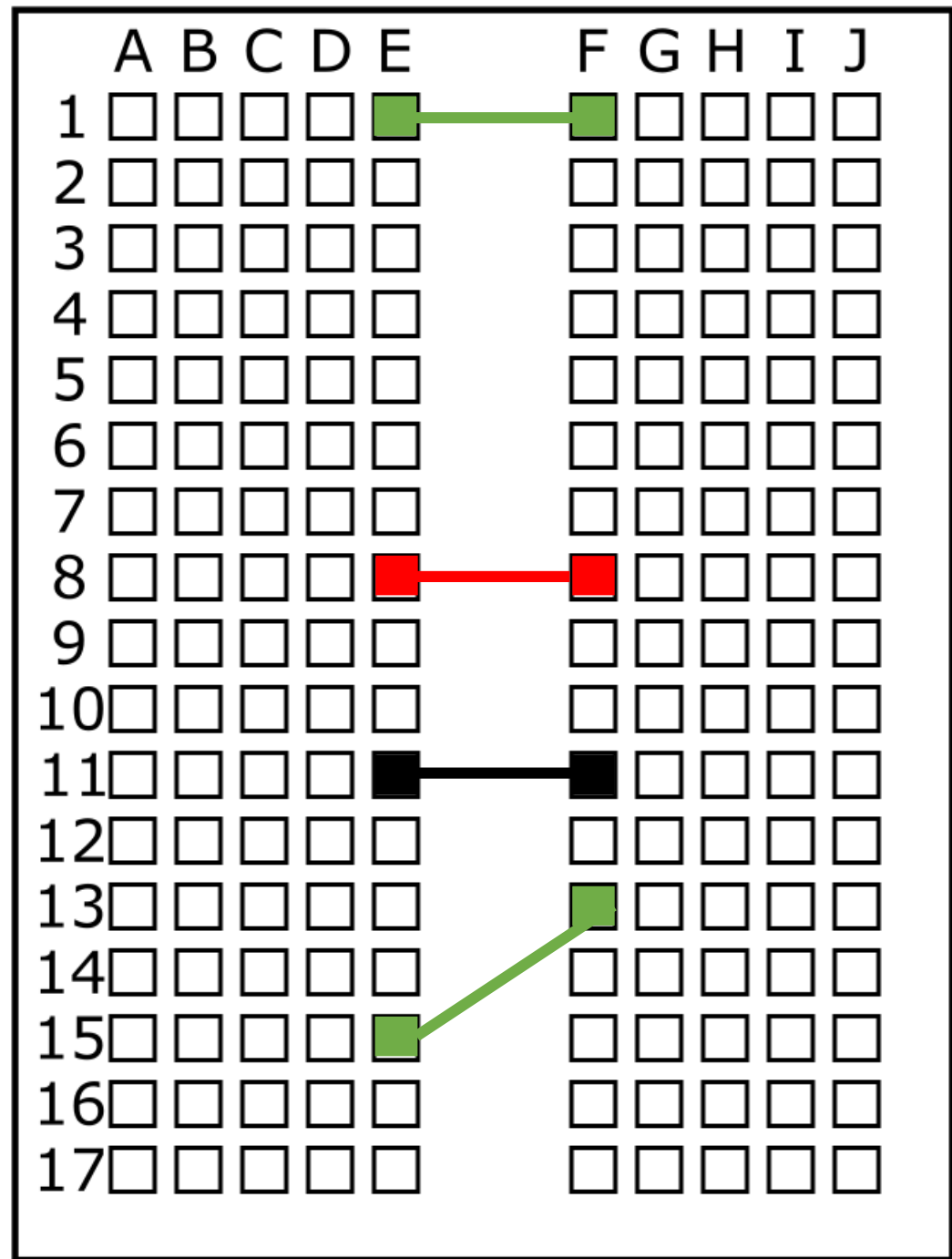
Connect short jumper cables:

E1 - F1

E8 - F8

E11 - F11

E15 - F13

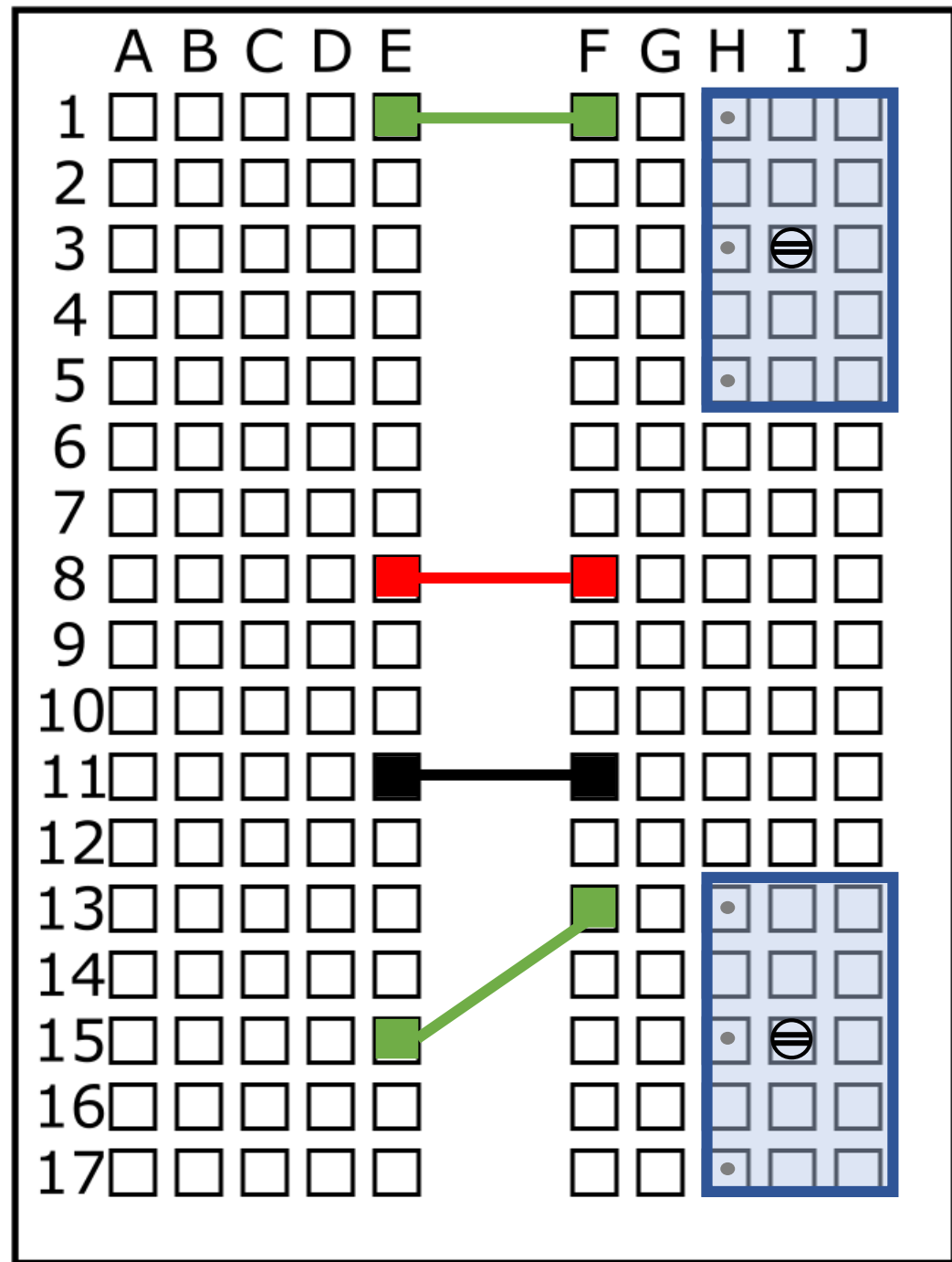


Step 2

Insert potentiometers with metal pins in:

H1, H3, H5

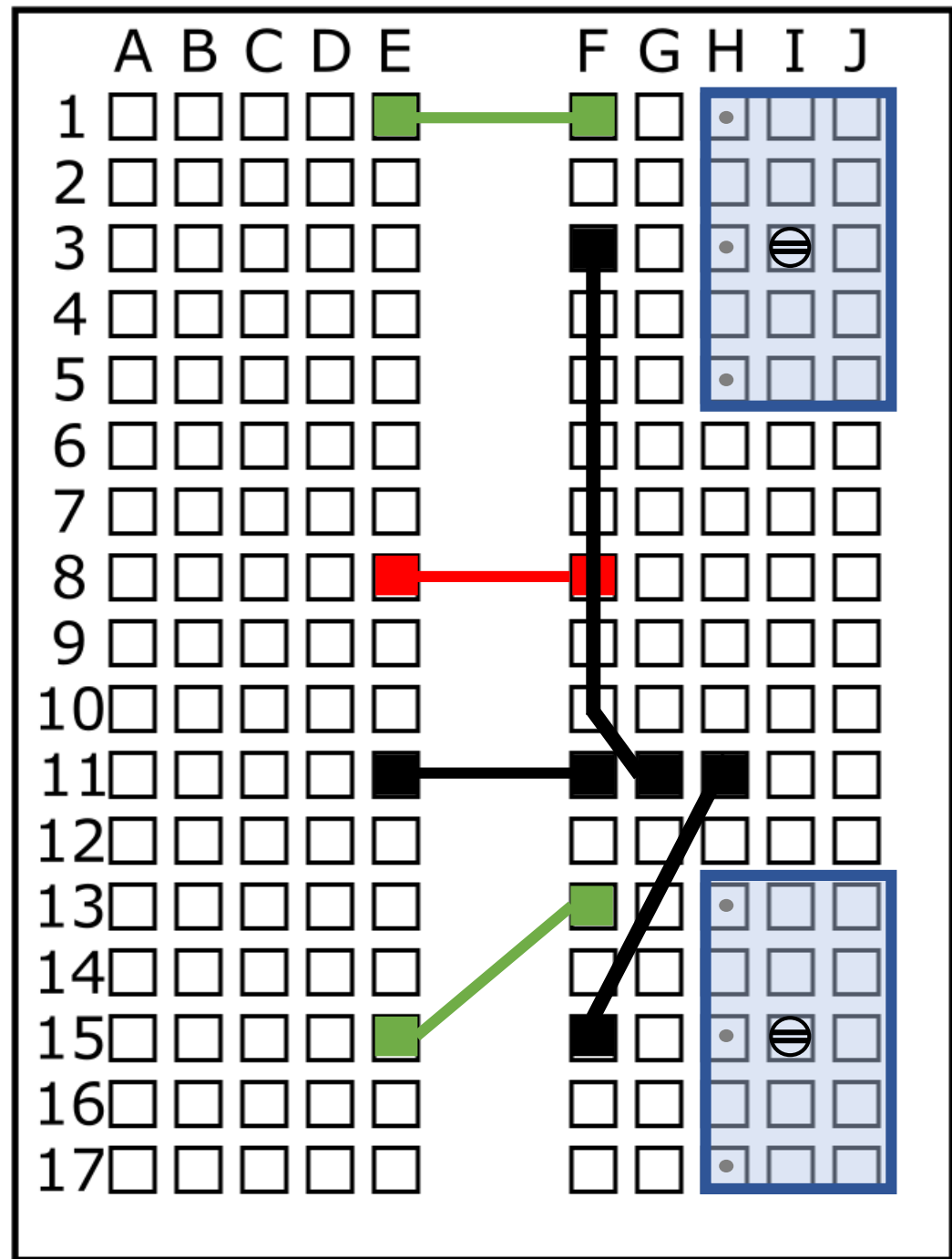
H13, H15, H17



Step 3

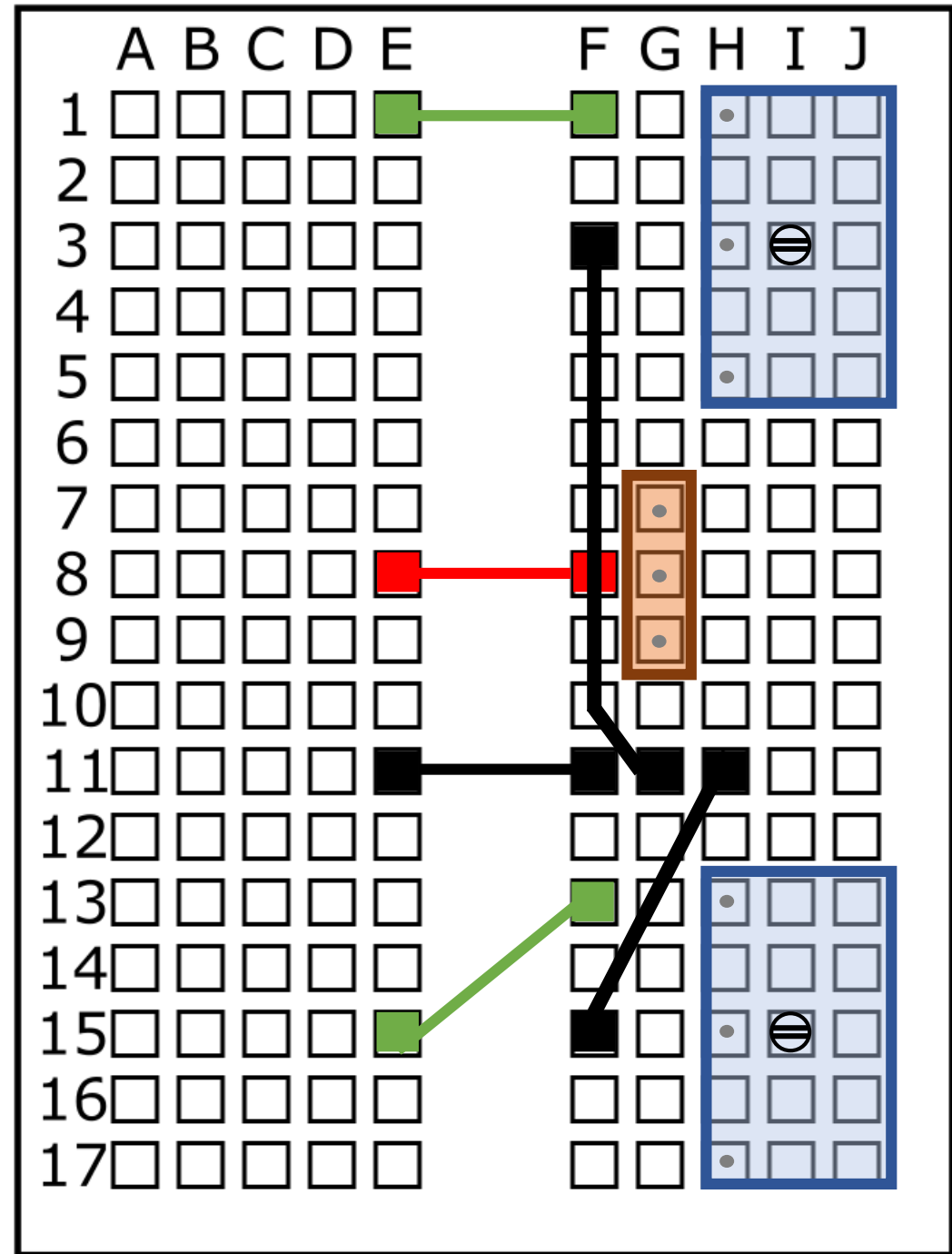
Connect long jumper wire:
F3-G11

Connect medium jumper wire:
F15-H11



Step 4

Insert power switch with metal pins in G7, G8, G9.

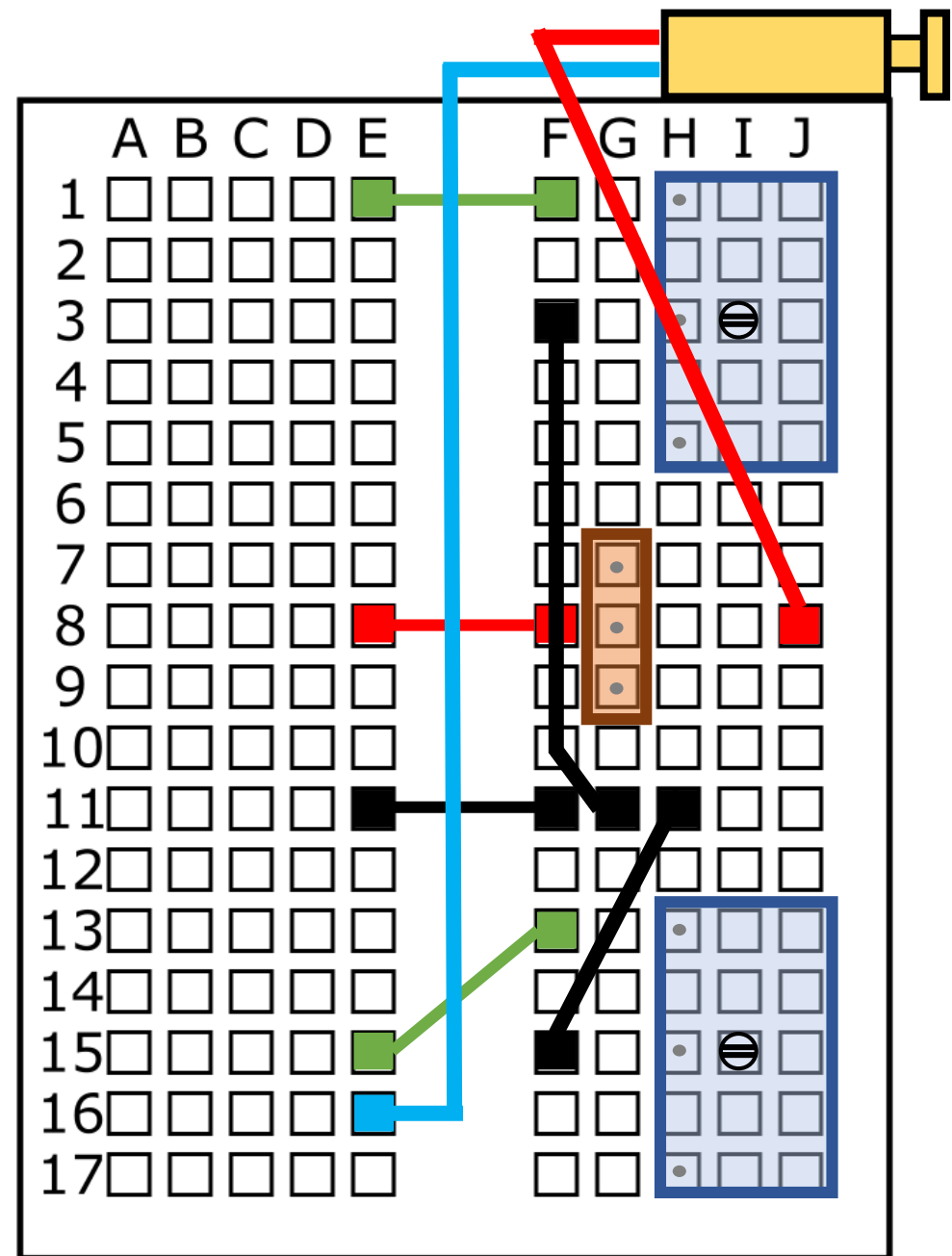


Step 5

Mount first motor on top right.

Connect motor's blue wire to E16.

Connect motor's red wire to J8.

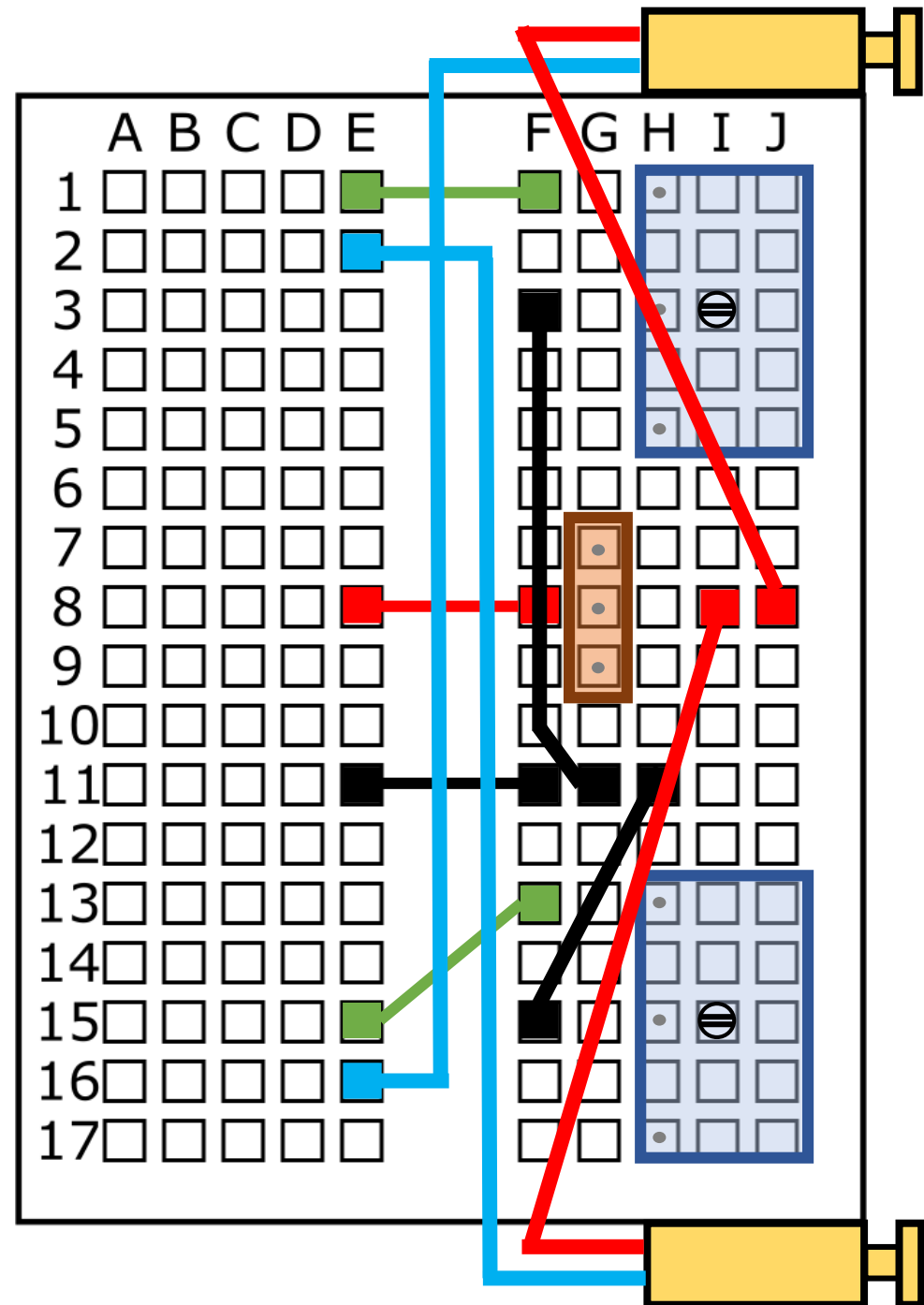


Step 6

Mount second motor on bottom right.

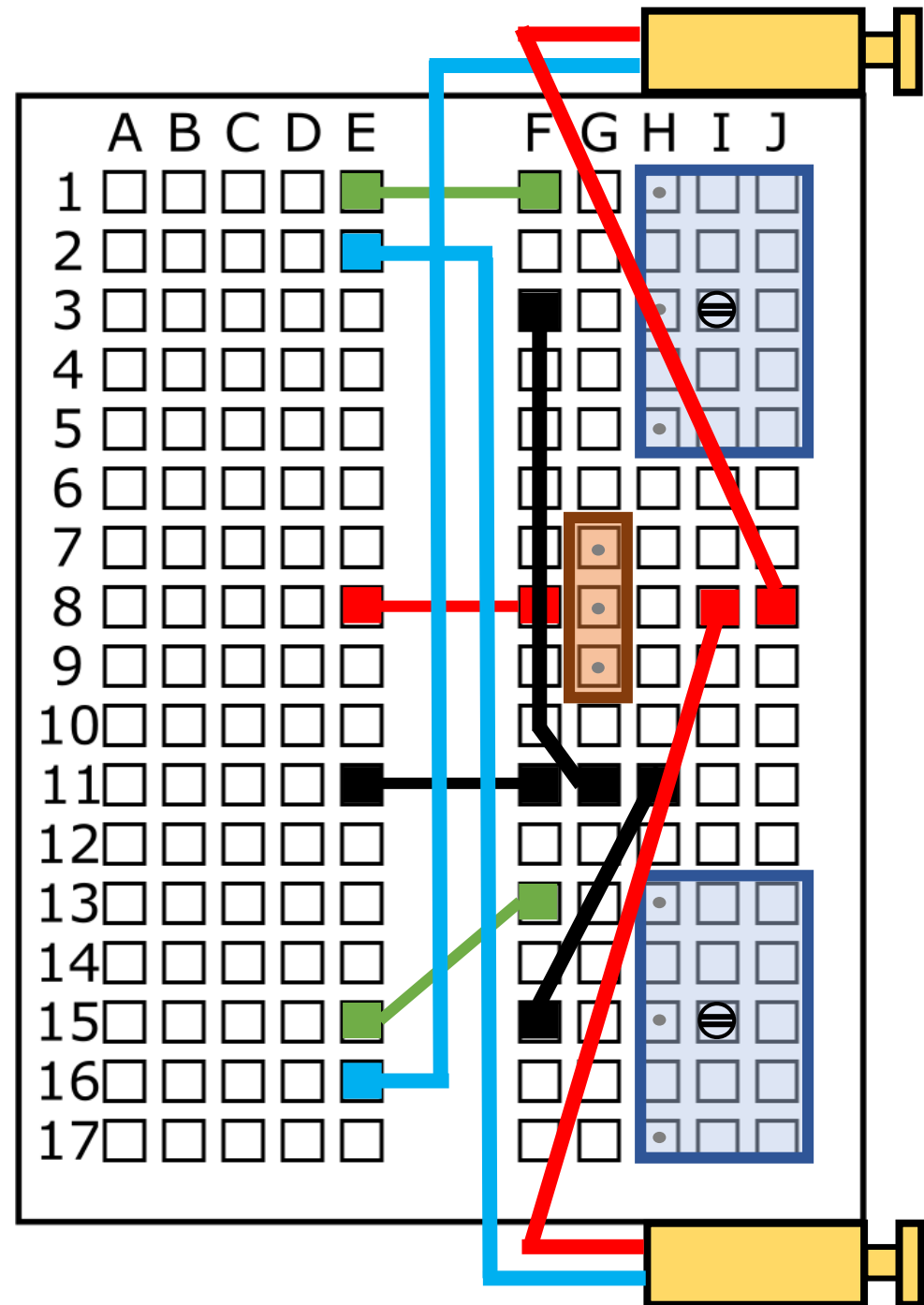
Connect motor's blue wire to E2.

Connect motor's red wire to I8.



Step 7

Double check your connections!

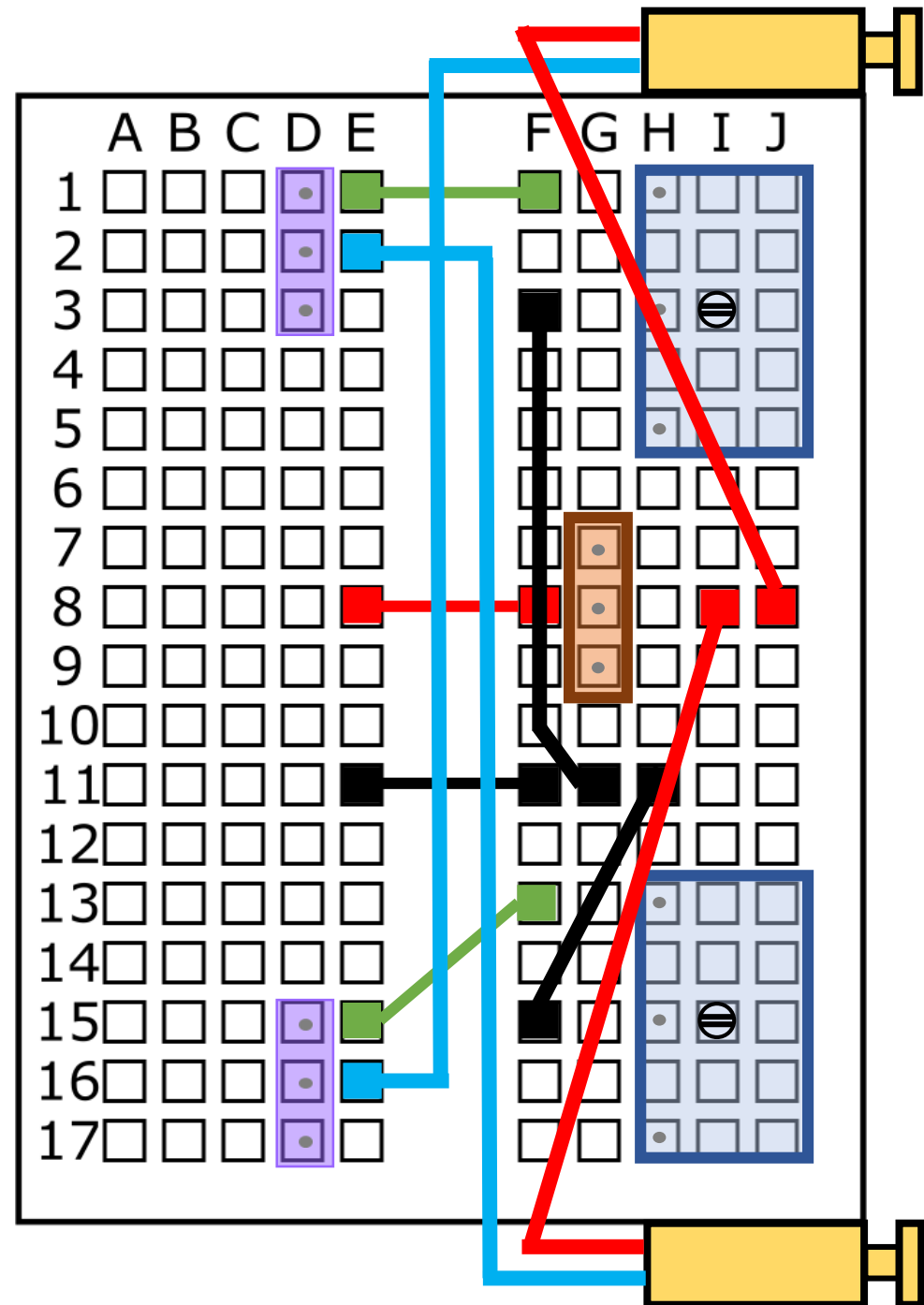


Step 8

Insert first MOSFET with metal pins in D1, D2, D3.

Insert second MOSFET with metal pins in D15, D16, D17.

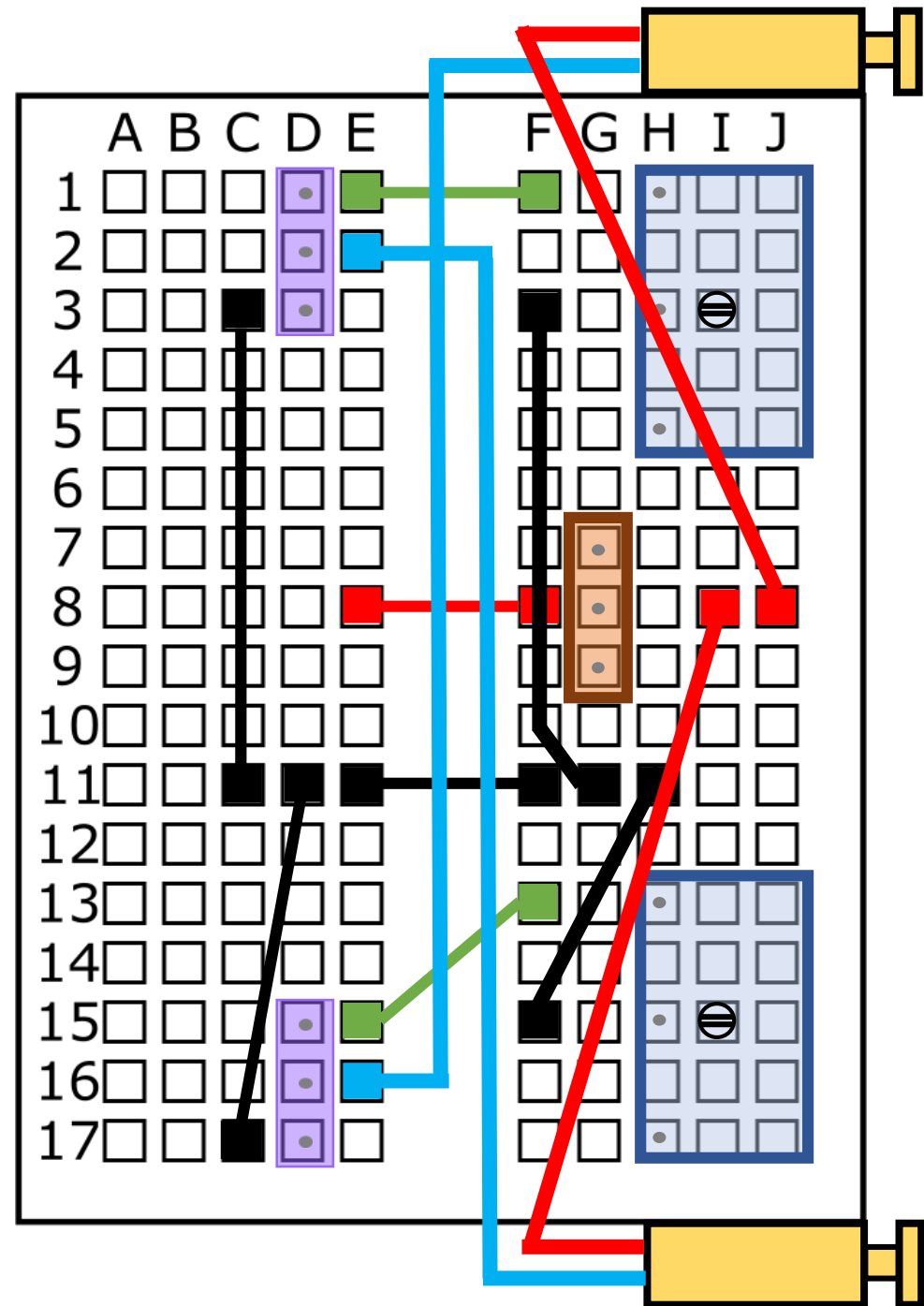
*Writing on MOSFETs faces left and metal tabs face right.



Step 9

Connect long jumper wire to C3-C11.

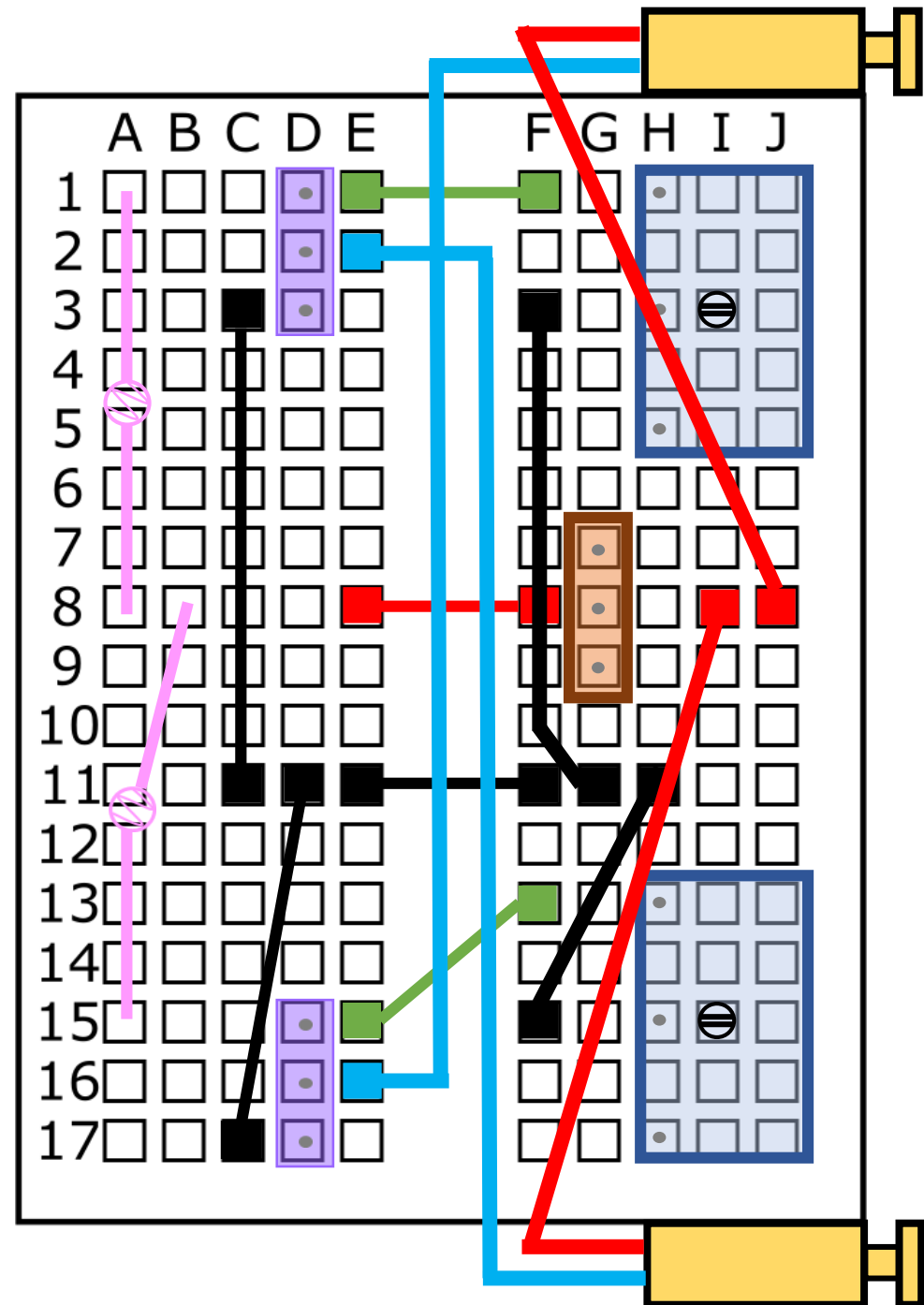
Connect medium jumper wire to C17-D11.



Step 10

Insert first photoresistor with metal pins in A1-A8.

Insert second photoresistor with metal pins in B8-A15.



Step 11

Connect battery pack to breadboard:

Red wire to J7

Black wire to J11

