Making a Cliff Checker

(S) : short
(M) : middle
(L) : long

1
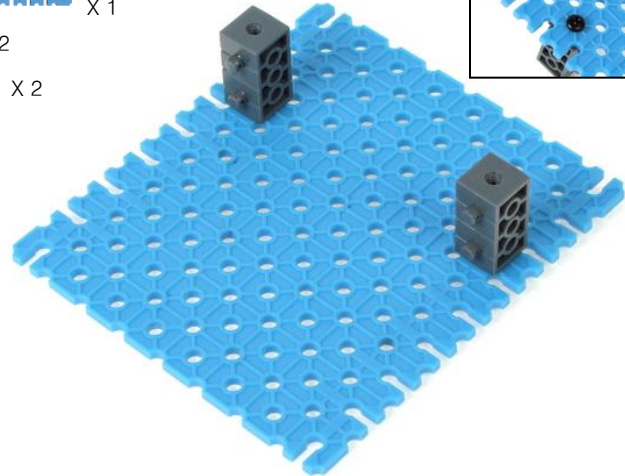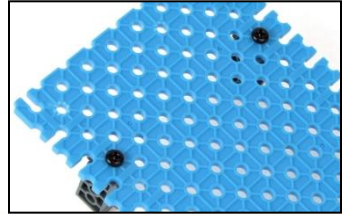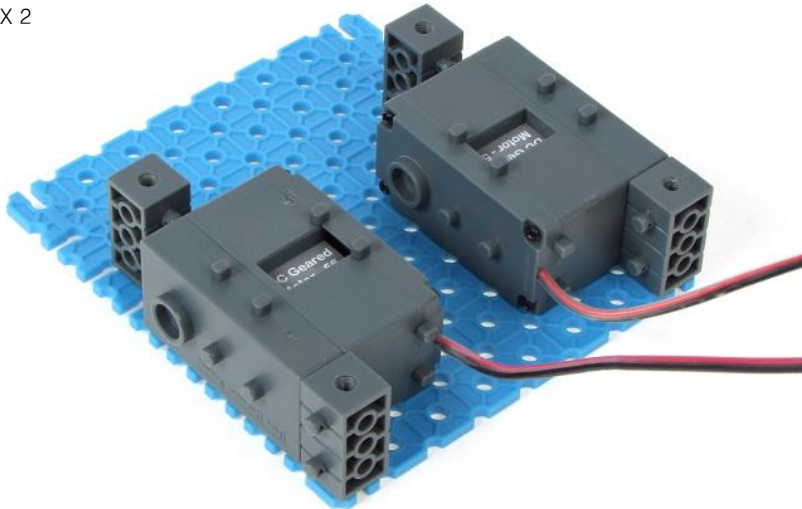
X 1

X 2

(S) X 2

2

X 2

X 2

3

X 2

(L) X 1

(S) X 1

4

X 1

5

X 2

(L) X 1

(S) X 1

6

X 1

X 1

X 2

7

X 2

8

- ⬭ X 2
- (S) X 2

9

- (S) X 2
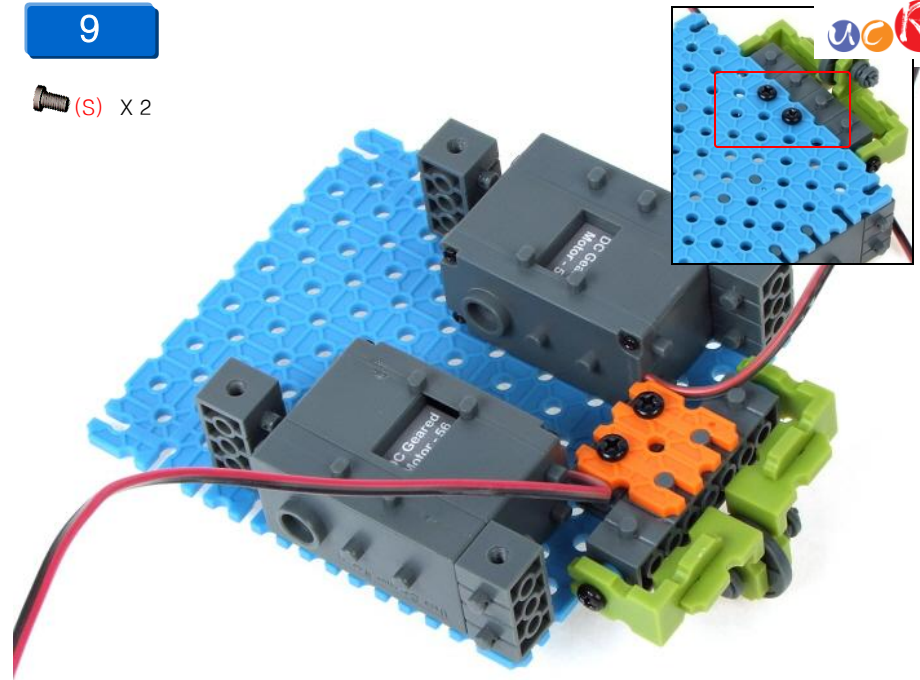
10

- ▭ X 1
- ⬧ X 4
- ⬤ X 1
- 🔩 X 1
- (L) X 2
- (S) X 2
- ⬤ X 2

11

- ⬭ X 1
- ▭ X 2
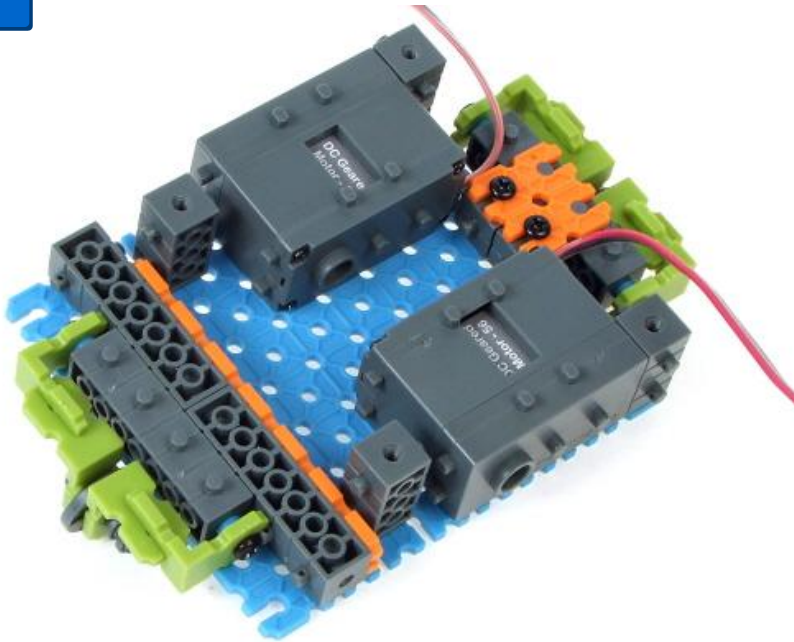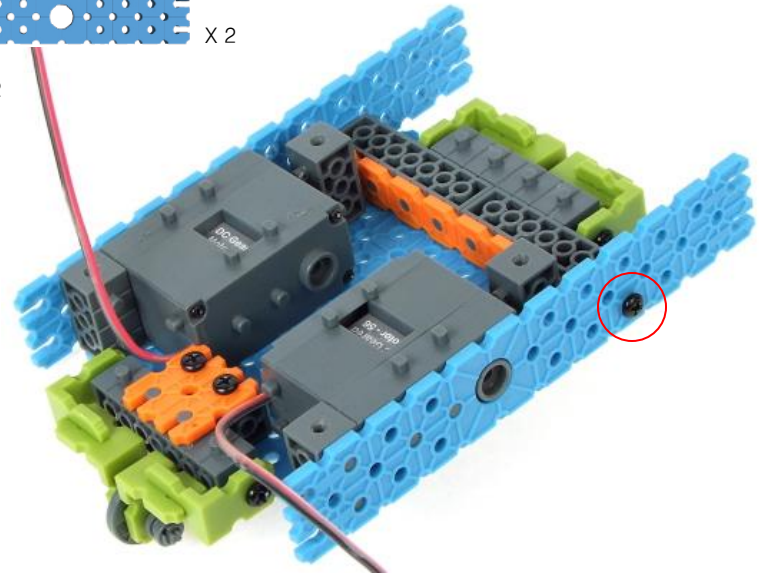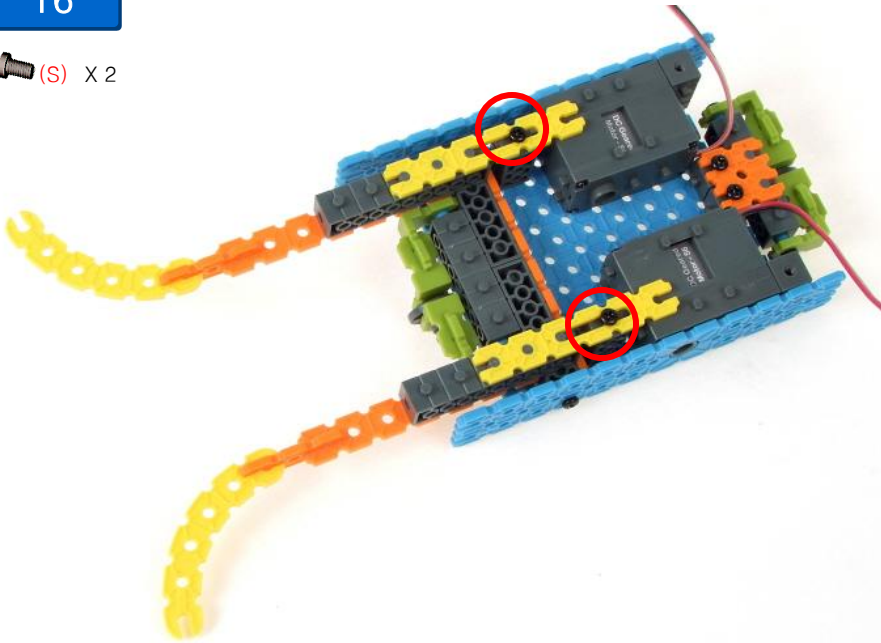
X 2

(S) X 2

X 1   X 1   X 1   X 1

X 1

X 1

X 1

X 1

X 1

X 1

(S) X 2

X 2
X 2
X 2
X 2

X 2
X 2
X 1
(S) X 2

X 1
(S) X 1

X 1
(S) X 1

X 1
X 4
(S) X 2

X 1

X 1

(L) X 1

X 1

X 1

Motor axis X 1

X 1

X 1

X 1

Motor axis X 1

X 1
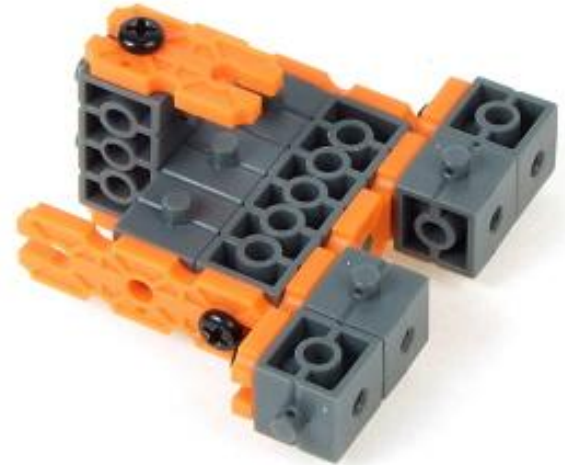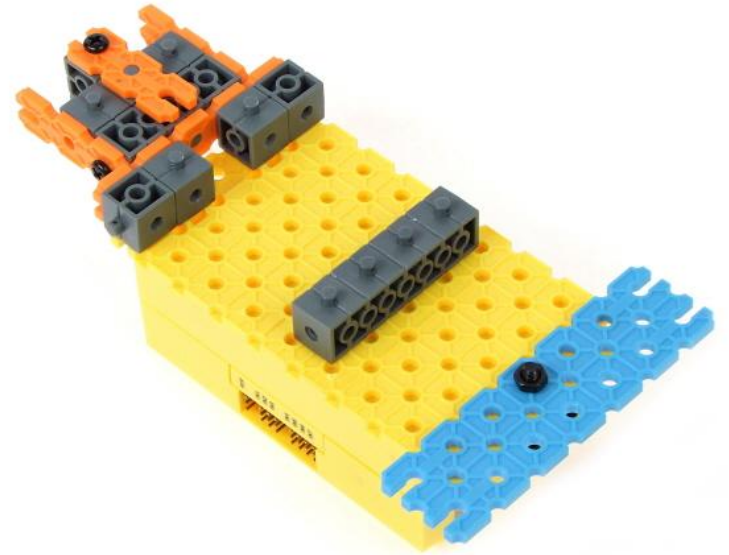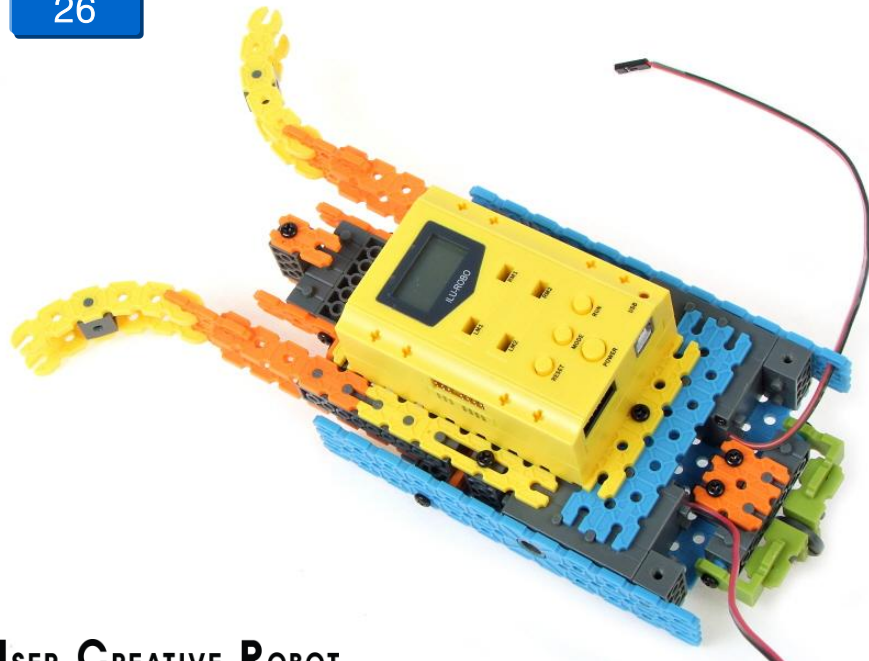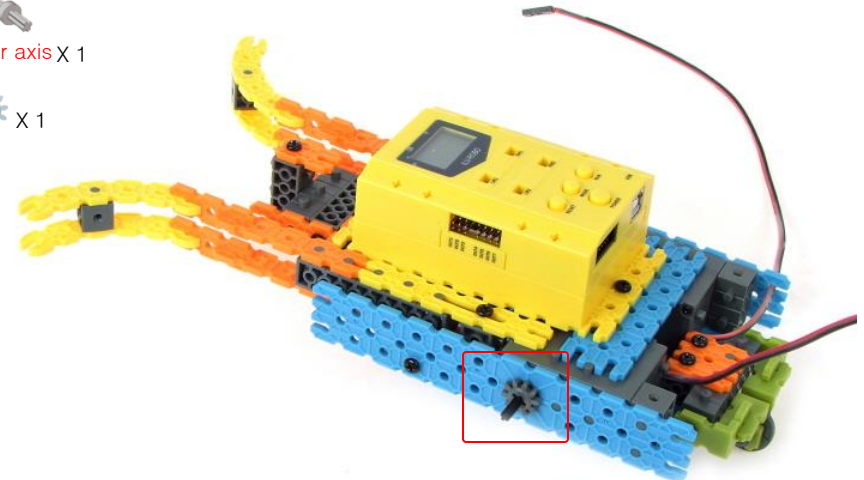
LED(G) X 1

LED(R) X 1

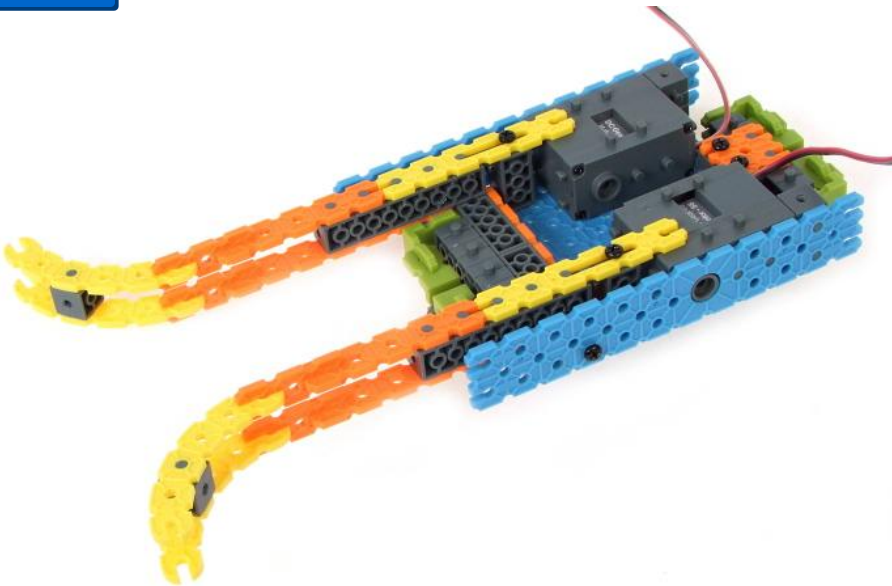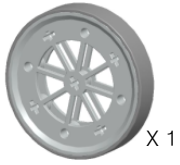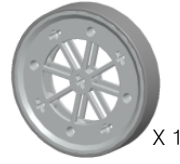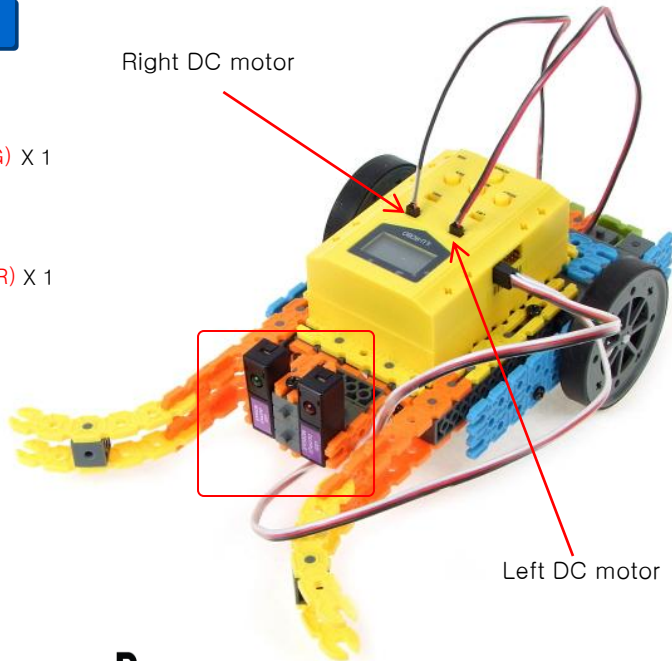Right DC motor

Left DC motor

IR sensor X 2

① LED(G)
② LED(R)

Ⓐ IR sensor
Ⓑ IR sensor

	OUT-1	● ● ○		RCR	○ ● ●
	OUT-2	● ● ○			✕ ✕ ✕
	OUT-3	● ● ○		IN-1	○ ● ●
		✕ ✕ ✕		IN-2	○ ● ●
	OUT-4	● ● ○		IN-3	○ ● ●
	OUT-5	● ● ○			✕ ✕ ✕
	OUT-6	● ● ○		IN-4	○ ● ●
	OUT-7	● ● ○		IN-5	○ ● ●
				IN-6	○ ● ●
				IN-7	○ ● ●

UP   OK
①
LCD Setting

Decorating the robot !
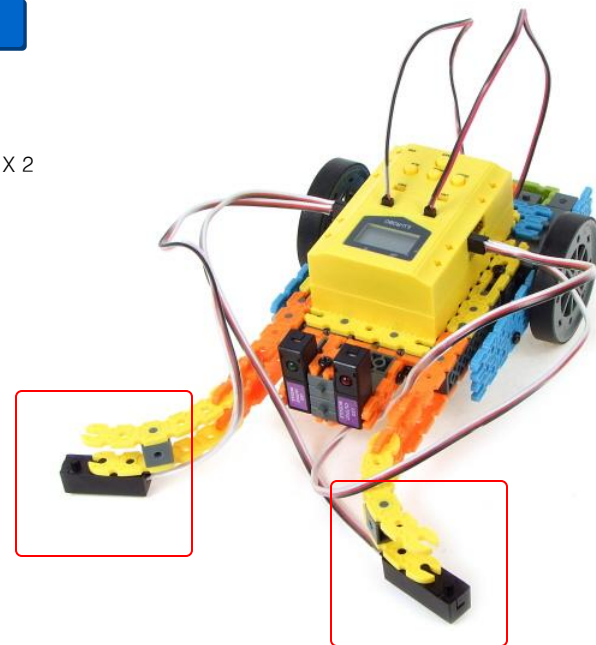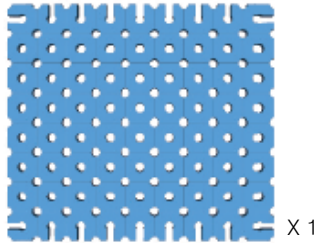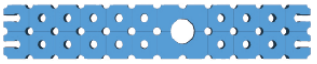
Part List of a Cliff Checker
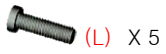
X 1

X 2

X 1

X 3
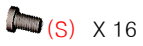
X 3

X 7

X 3

X 2

X 5

X 2

X 5

X 8

X 2

X 4

X 8

(L) X 5
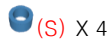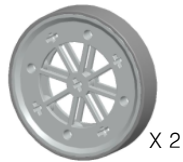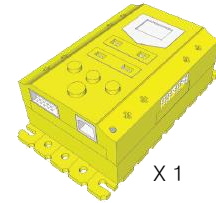
(S) X 16

X 1

X 2

X 2

X 4

(S) X 4

X 2

Motor axis X 2

X 2

X 2

LED(G) X 1

LED(R) X 1

IR sensor X 2

X 1