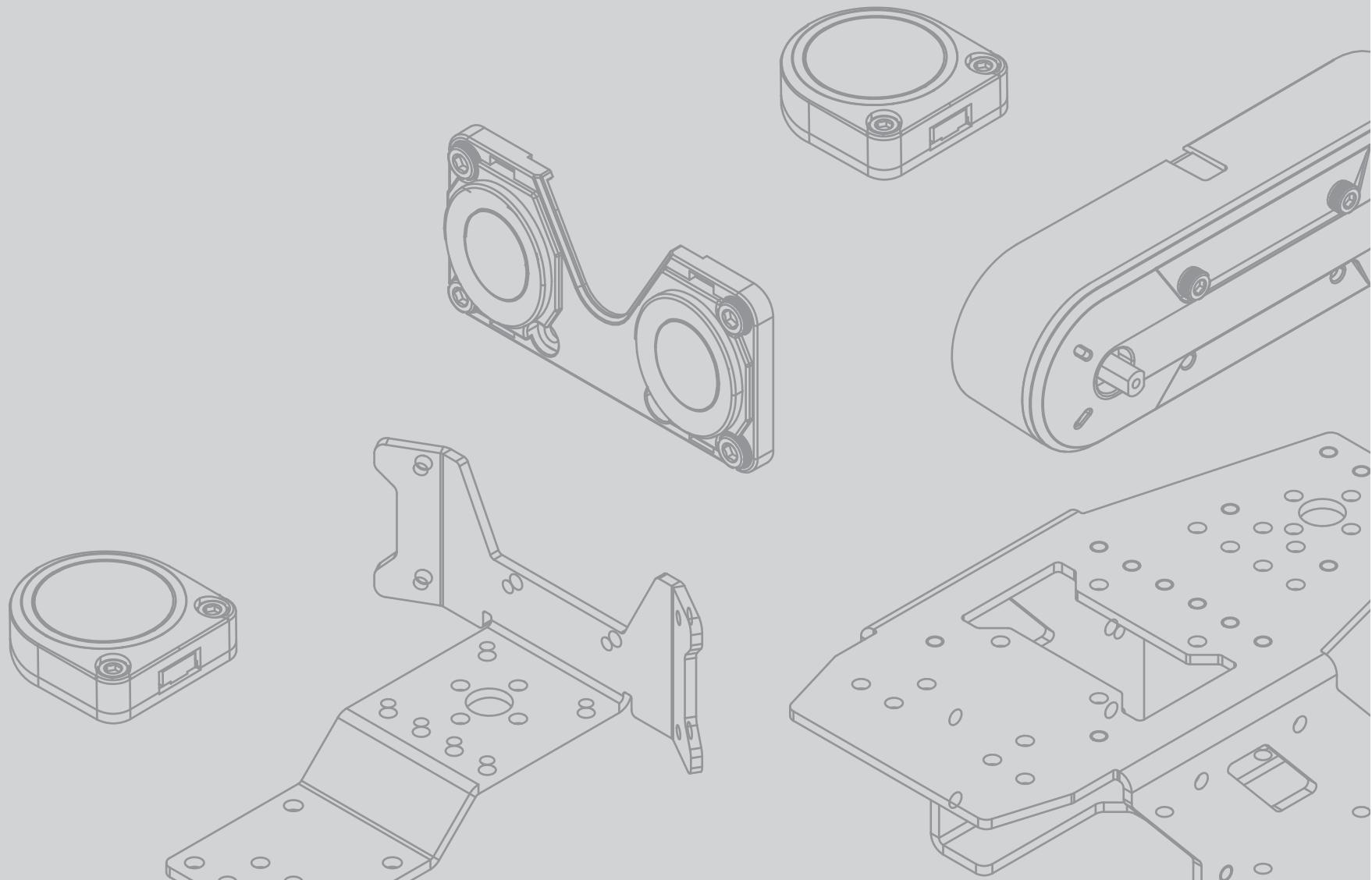


# MoonRover

智能车搭建扩展



# 使用前必读

各位家长,为保障您的孩子在使用时的安全,请在搭建前仔细阅读说明书。

此产品适合8岁以上人群,8岁以下请在父母指导下完成。请仔细按照说明书步骤安装,安装错误可能导致机器人损坏或非正常工作。

## ⚠ 安全警告:

1. 注意金属部件尖锐处,防止割伤,通电运行中不要把手靠近活动部件或接缝处。
2. 内含细小部件请勿吞食,可能造成窒息风险,本品不适合3岁以下儿童。
3. 请将此产品远离火源热源,请勿将产品浸入水中。

## 注意事项:

1. 组装前和通电状态请不要扭动舵机的输出轴,扭动可能会导致舵机齿轮损伤。
2. 投掷或者不小心摔落本产品可能会造成损坏,请勿跌落或外力撞击机器人或任何部件。
3. 请不要遮挡摄像头,因为会影响机器人的识别效果。

## 电池注意事项:

1. 请勿拆卸锂电池模组,避免跌落、撞击、挤压锂电池,避免在潮湿、低温(低于0度),高温(高于50度)环境下使用,远离火源,请勿浸水;
2. 请使用安全可靠的USB电源设备进行充电,充电前,请先关闭锂电池模组的电源输出,充电时,请勿频繁拔插USB;
3. 充电过程是非线性过程,前95%之间的电量会充的比较快速,而最后5%的电量会用时比较长,属于正常现象;
4. 请在电量处于较低水平时再进行充电,如果在电量在LED4(100%)时进行充电,LED4(100%)可能一直处于闪烁状态,

此时无须继续充电,直接使用即可;

5. 虽然锂电池内部具备完善的保护电路,但在使用过程中还是要避免出现以下情况,过度充电,过度放电,电极短路,电流倒灌,大电流输出;
6. 当锂电池模组长时间不使用时,请将锂电池维持在75%的电量进行存储;
7. 锂电池具有一定的使用寿命,其电池容量会随使用时间而有所衰减,当电池使用时间无法满足日常使用需求时,建议更换新的锂电池模组;
8. 废弃锂电池模组应妥善处置,不可随意丢弃;

\*因版本更新产品和说明书可能会略有不同,不会影响安装和使用,一切请以实物为准。

# 图标说明



翻转视角



注意

零件盒参照图



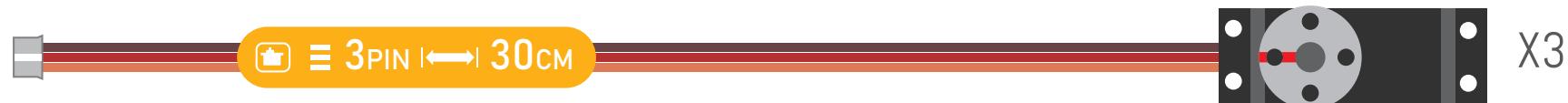
1:1

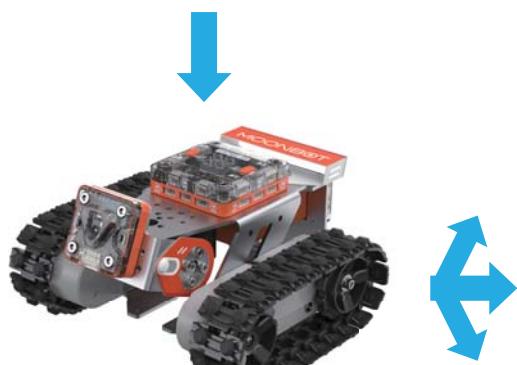


此图标和实物是1:1大小的,请对照图中的型号和长度

# 认识连接线

连接线可以连接主控和模块,使用时请按下图对照每根线的线股数量(PIN)和长度(cm)





## MoonRover 基础智能车搭建

请先完成快速入门手册中基础智能车的搭建再进行右侧拓展

### 1 MoonRover 避障小车搭建

+19

零件数

20min

预估搭建时间



### 2 MoonRover 巡线小车搭建

+9

零件数

10min

预估搭建时间



### 3 MoonRover 智能小铲车搭建

+12

零件数

15min

预估搭建时间



### 4 MoonRover 机械爪小车搭建

+10

零件数

15min

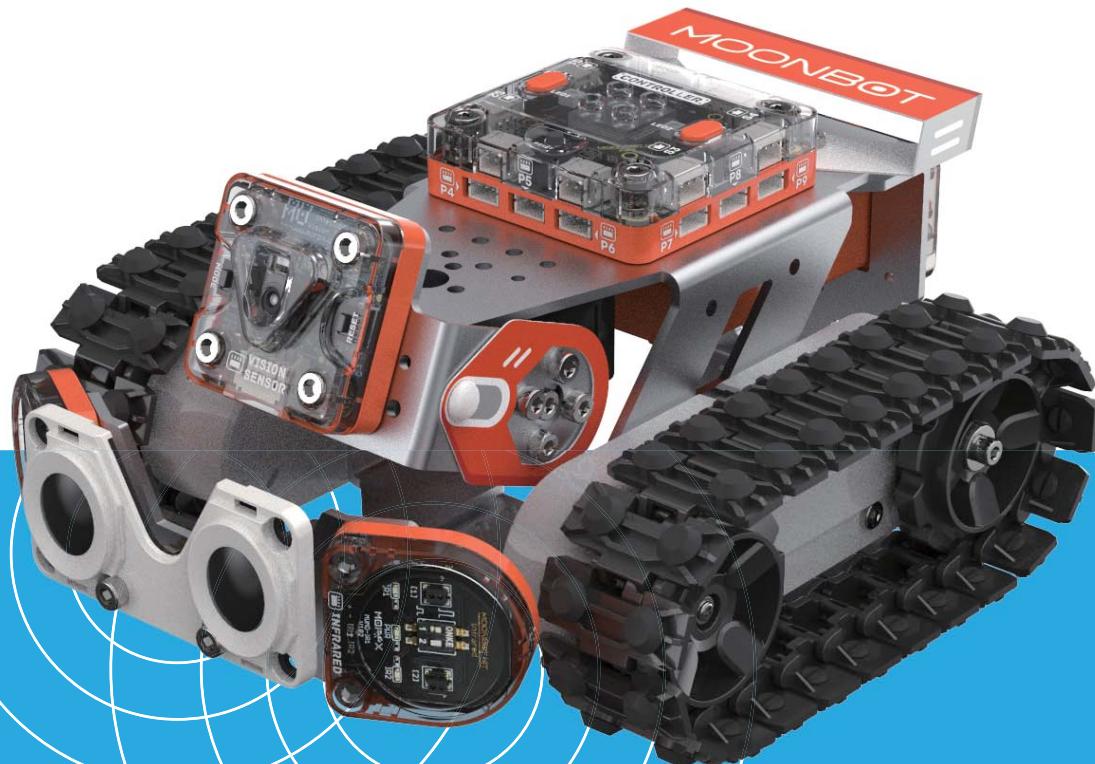
预估搭建时间



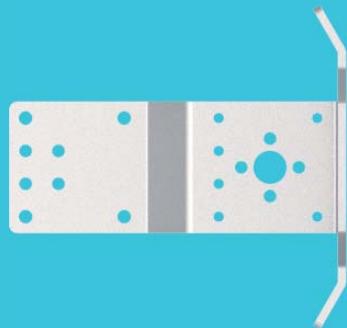
# 1 MoonRover 避障小车搭建

+19  
零件数

20min  
预估搭建时间

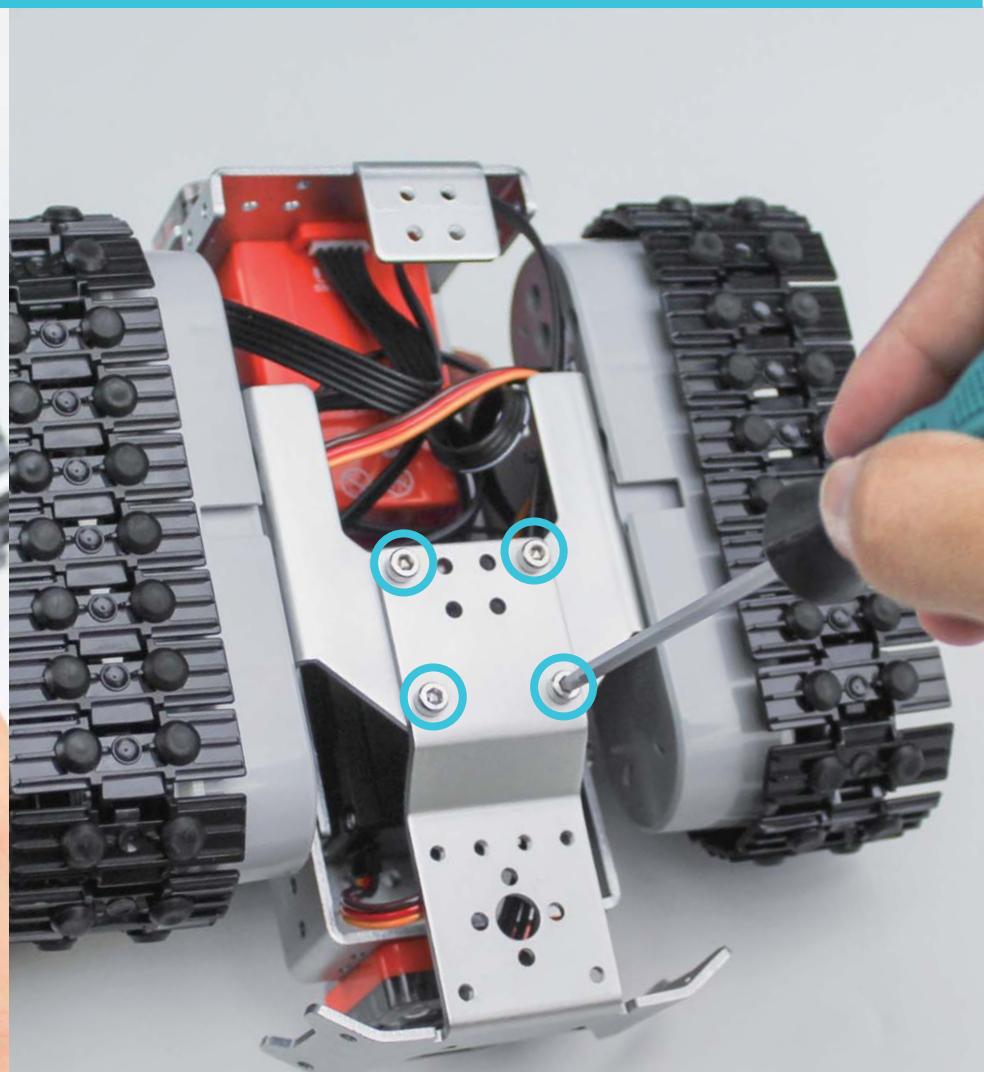
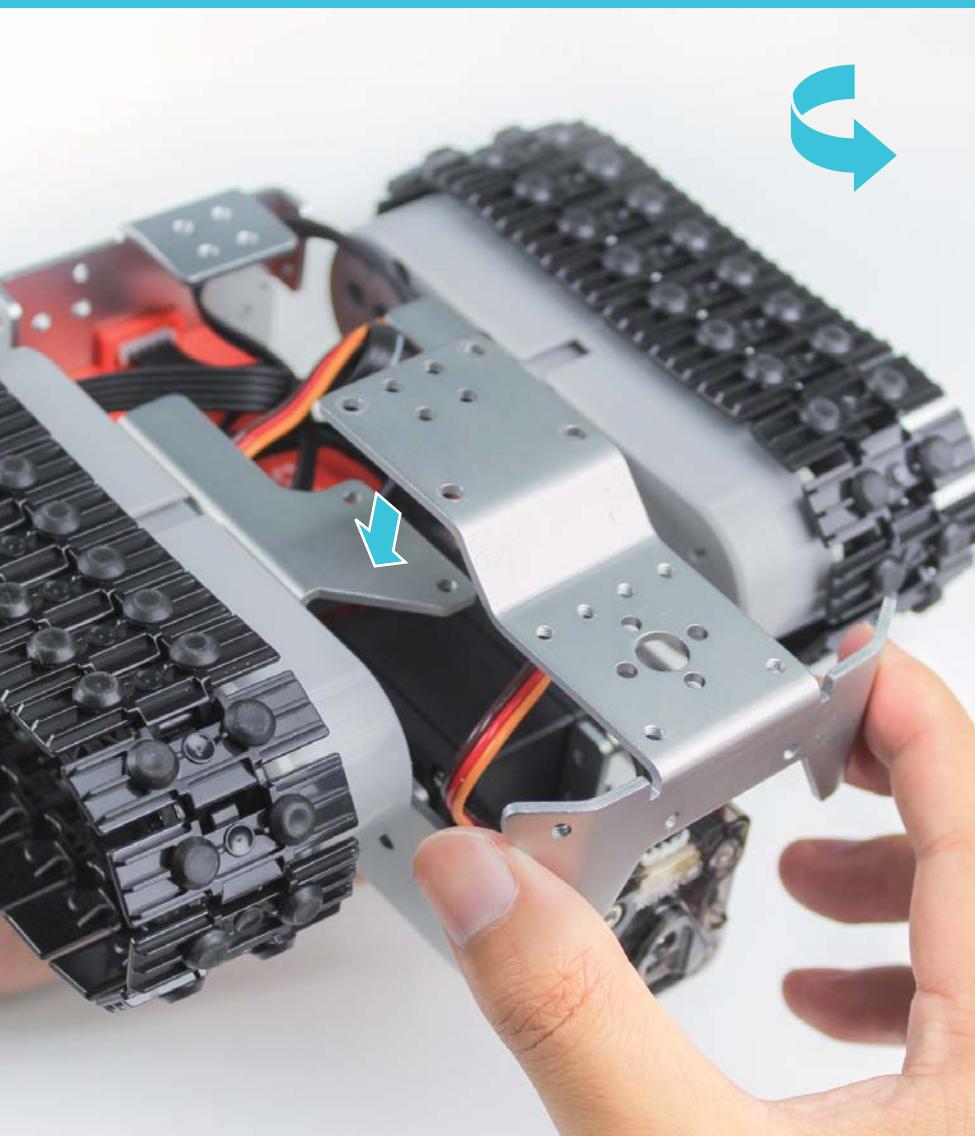


1.1



M3X4

X4

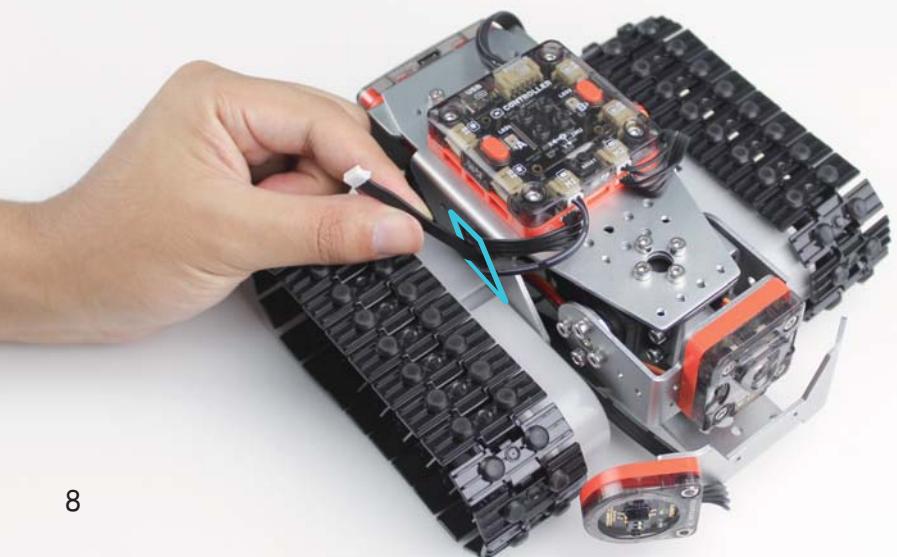
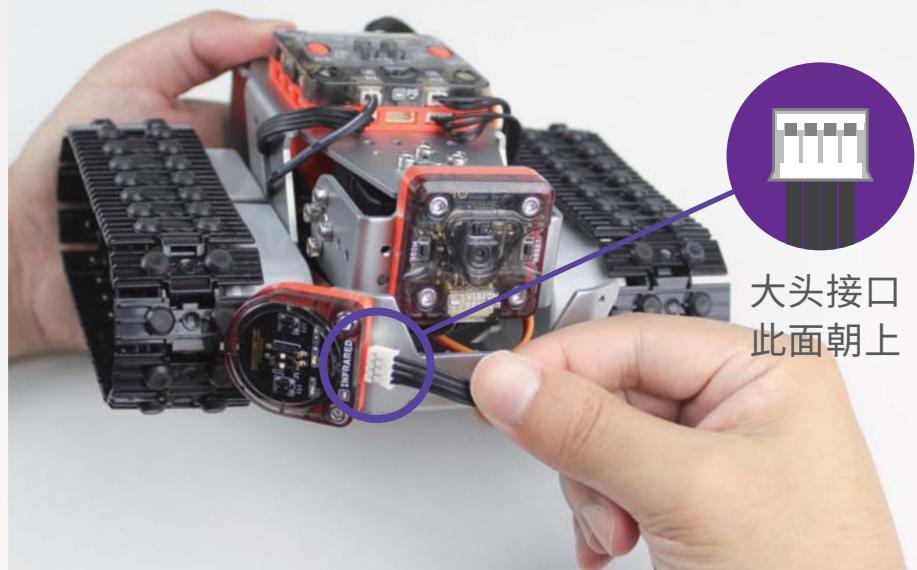
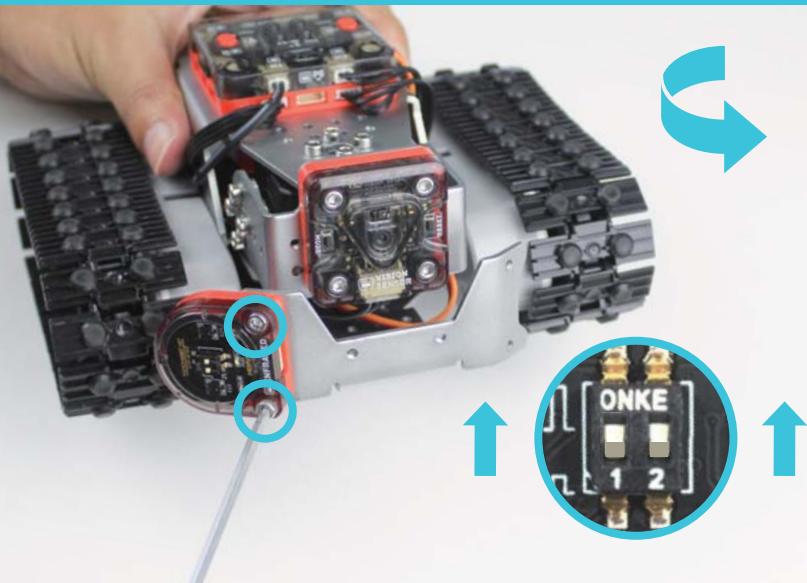


# 1.2



M3X8  
X2

4PIN ↕ 18CM

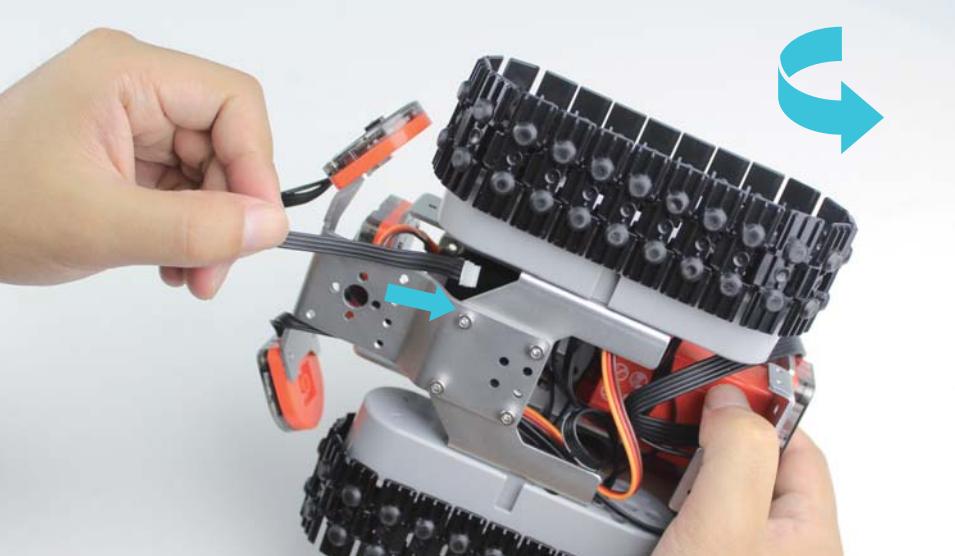
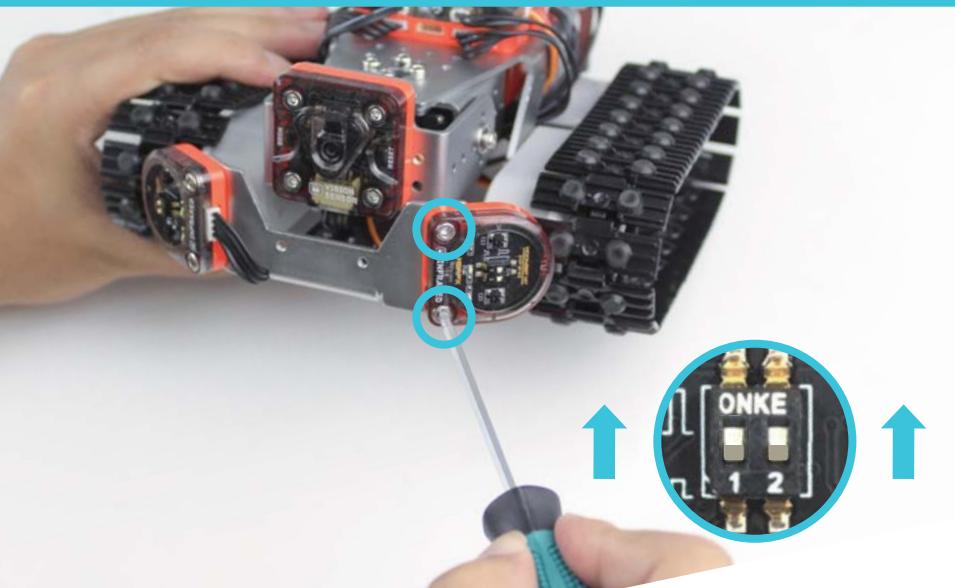


# 1.3



M3X8  
X2

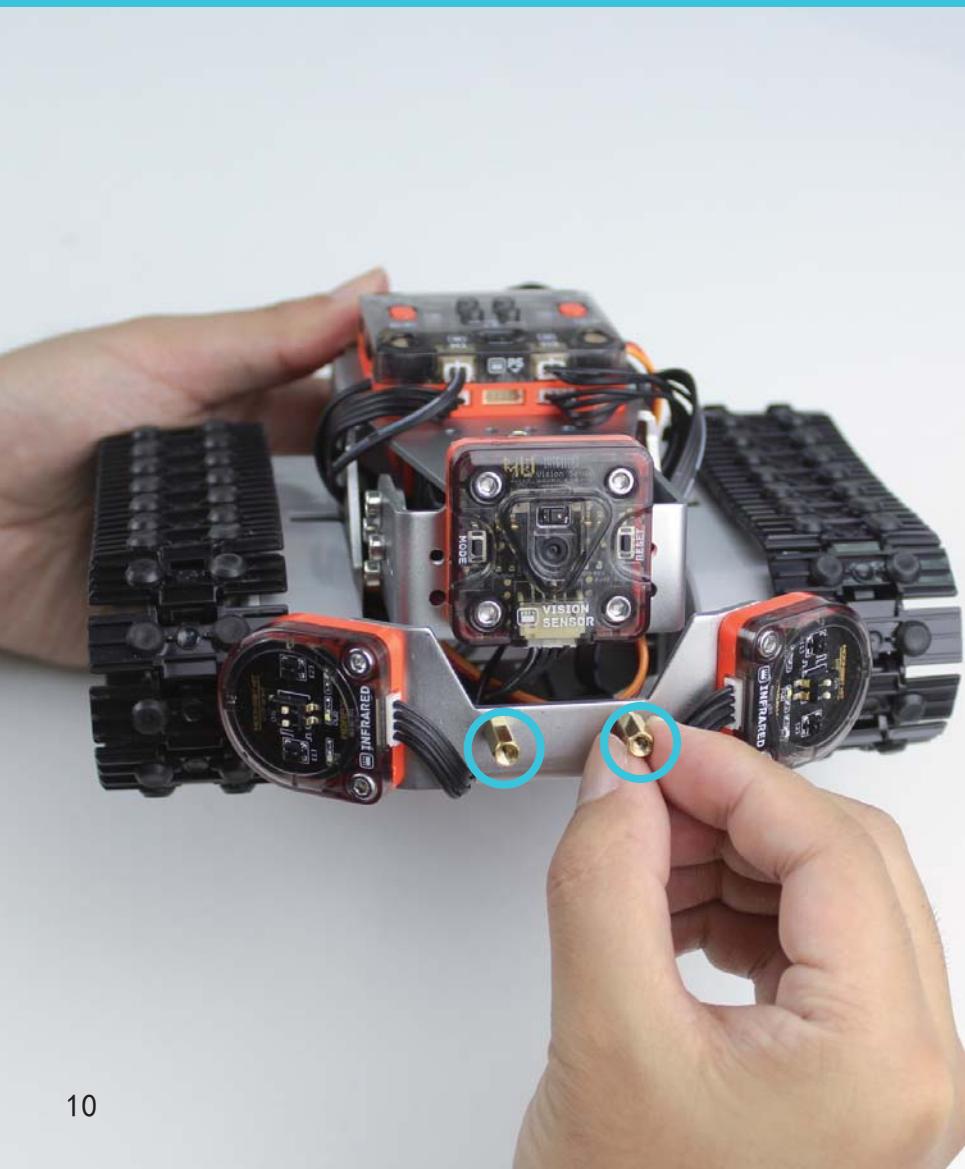
4PIN ↔ 18CM



# 1.4



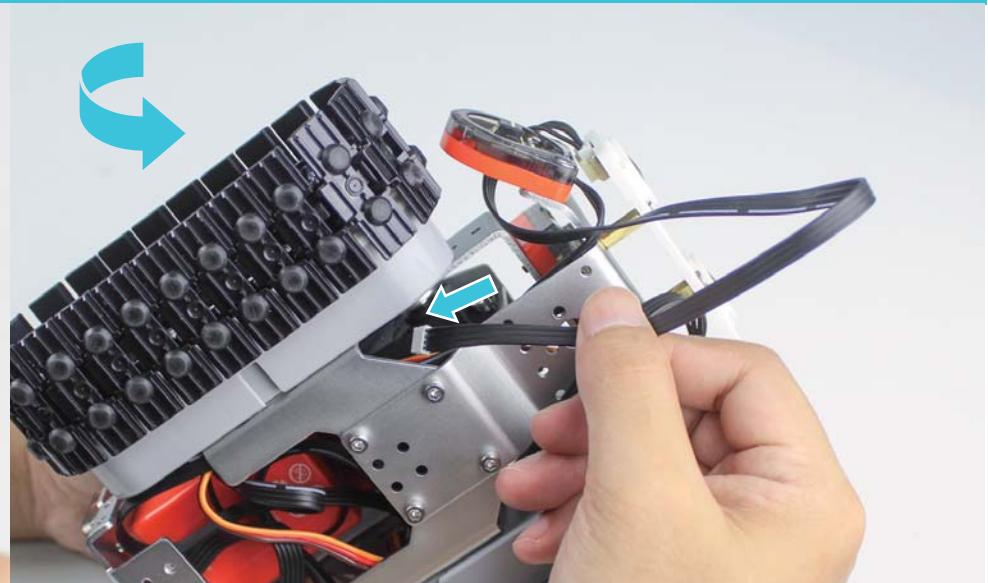
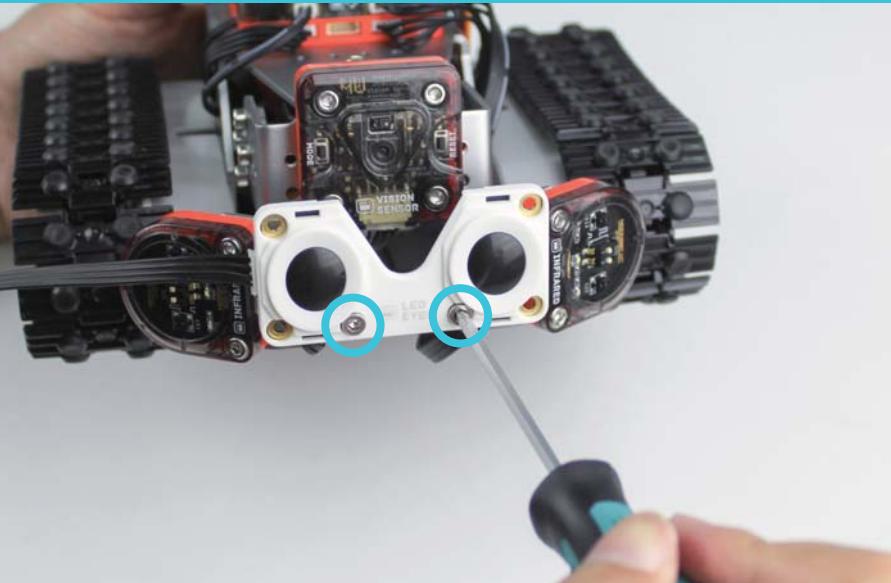
X2



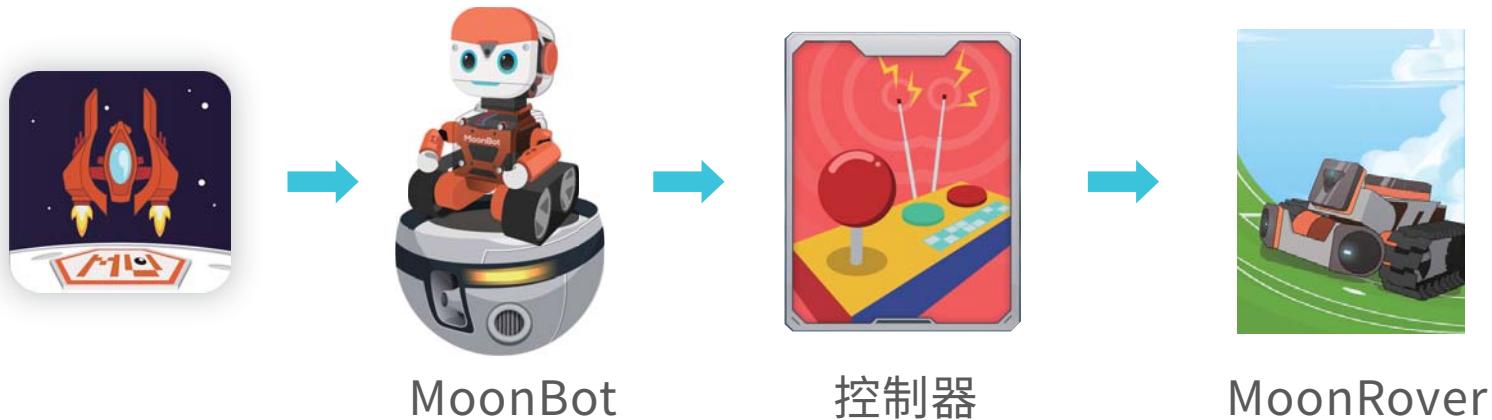
# 1.5



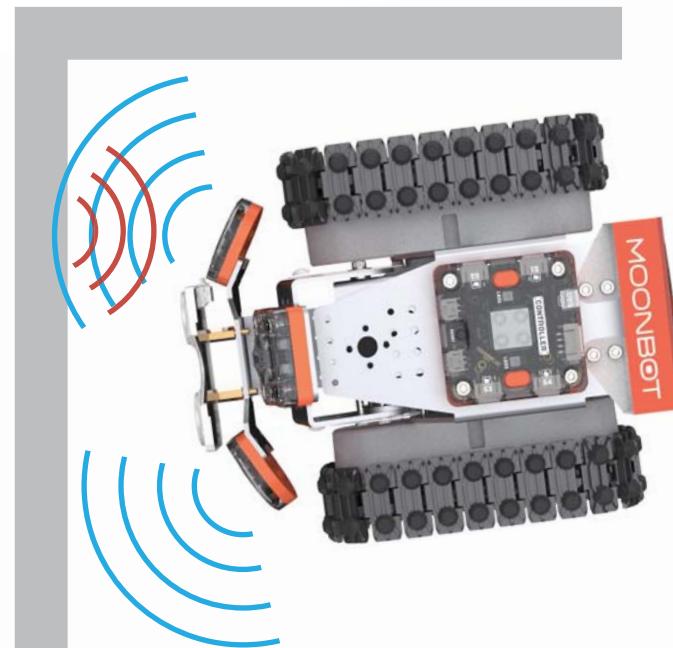
X2



# 使用APP遥控



APP中点击此按钮可以开关避障:红外模块感应到前方和侧方的障碍物,从而使小车转向避让



# 2 MoonRover

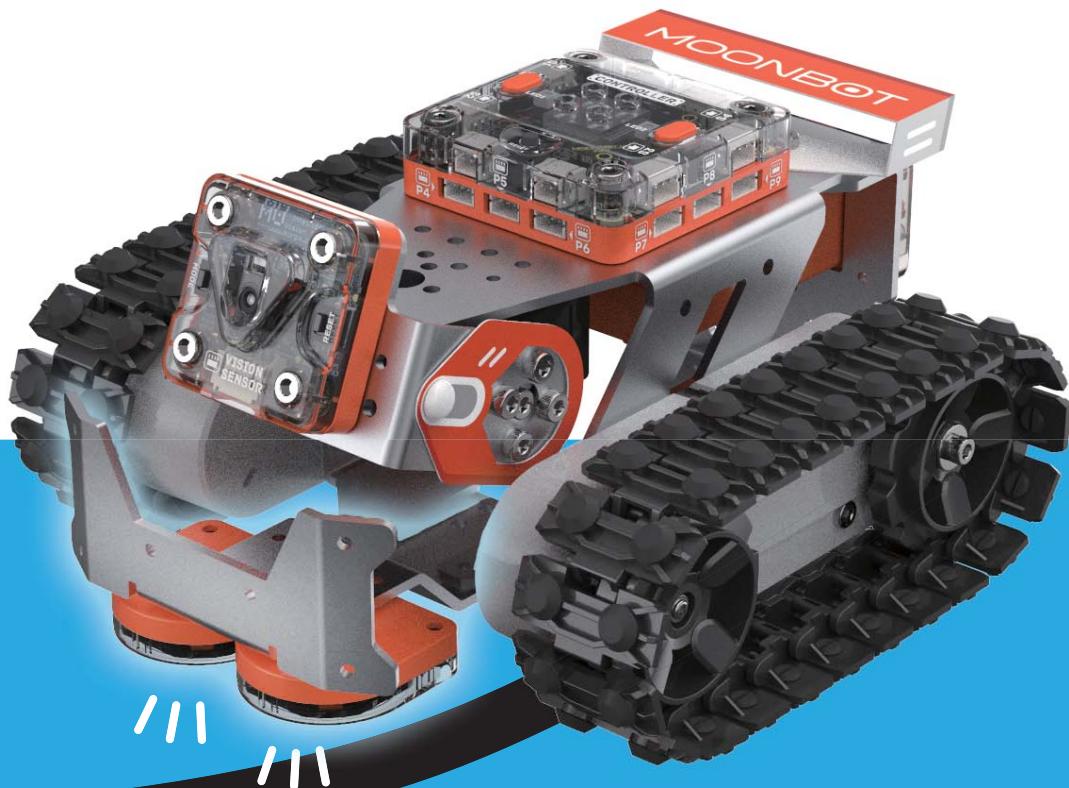
## 巡线小车搭建

+9

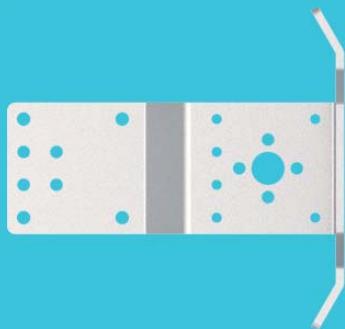
零件数

10min

预估搭建时间

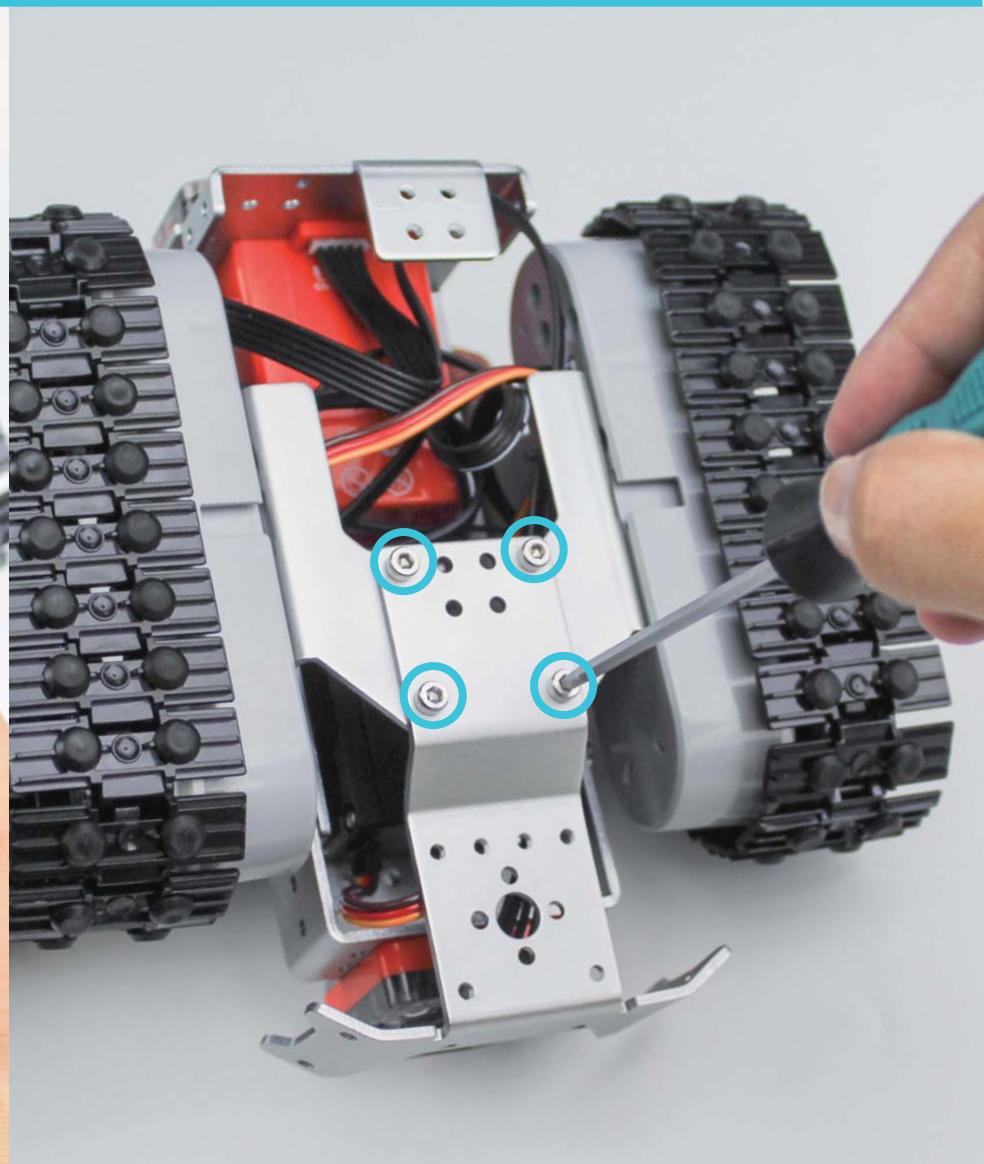
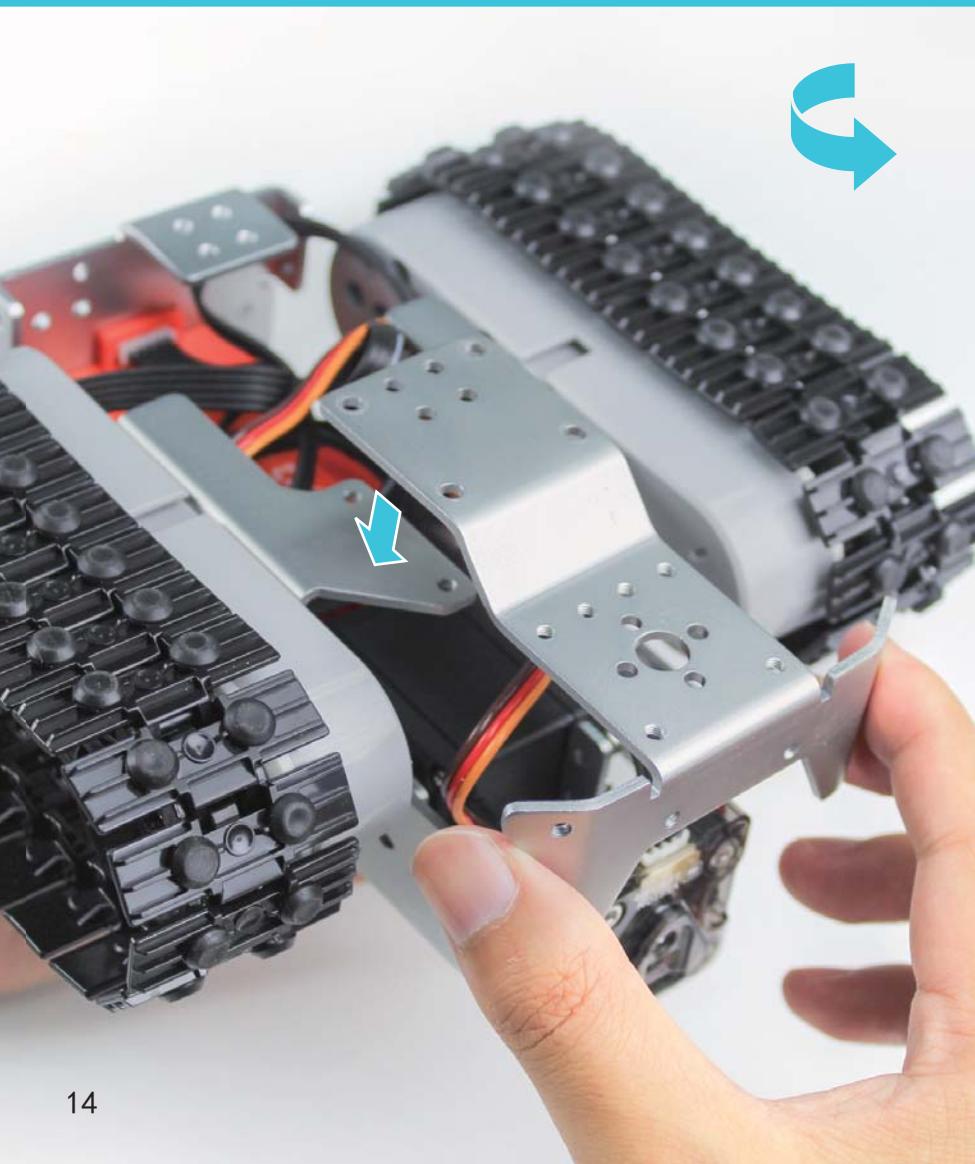


2.1



M3X4

x4



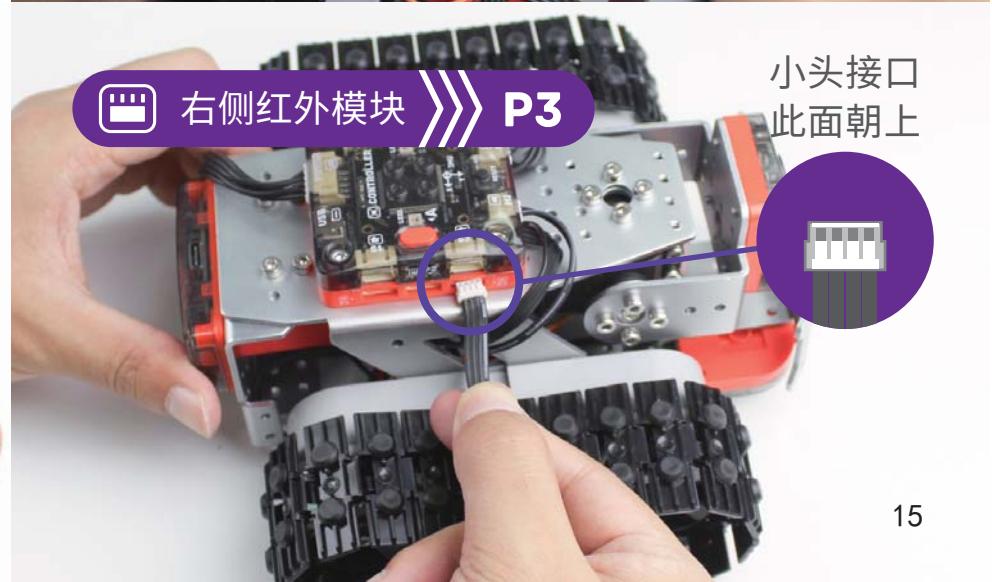
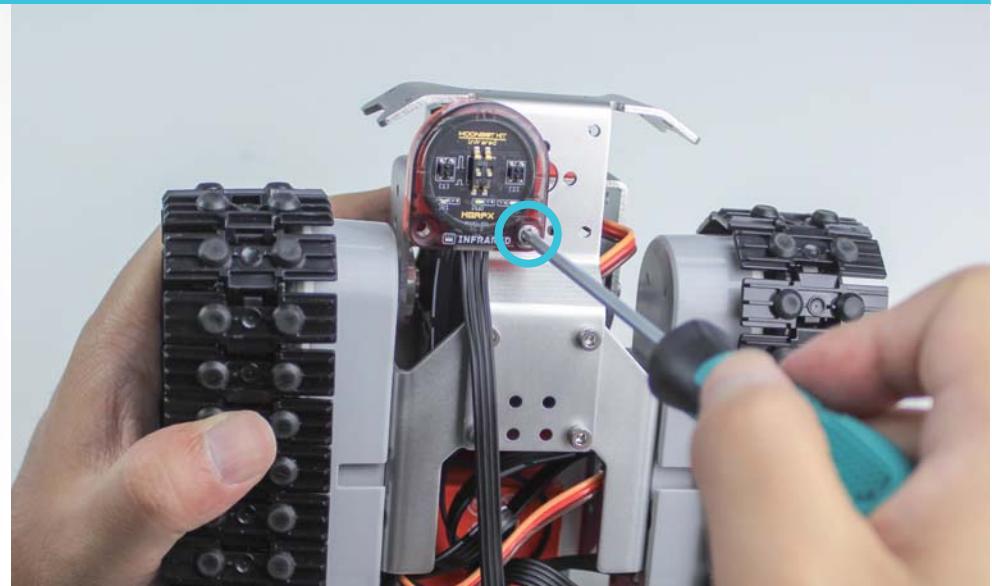
# 2.2



M3X8

X1

4PIN ↗ 18CM



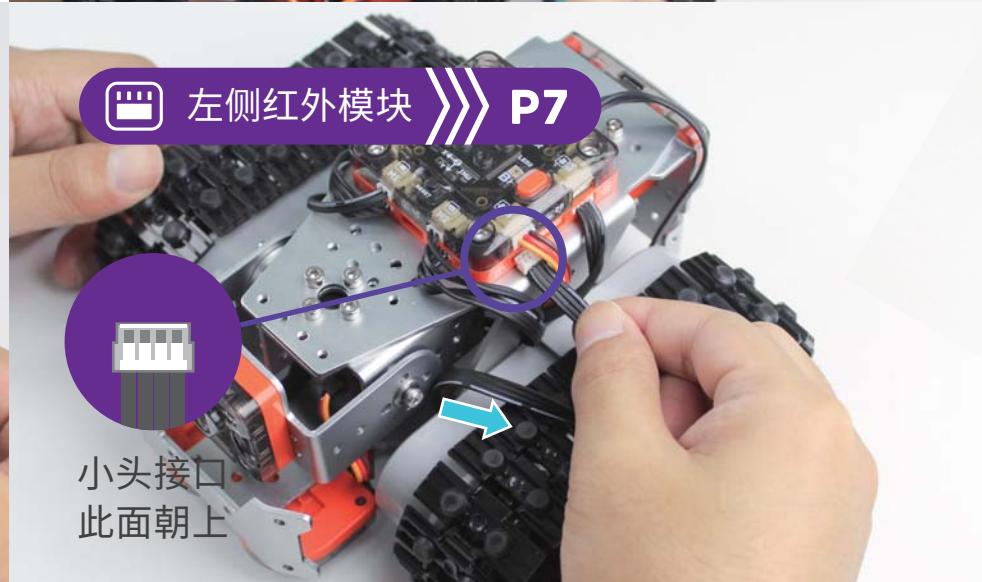
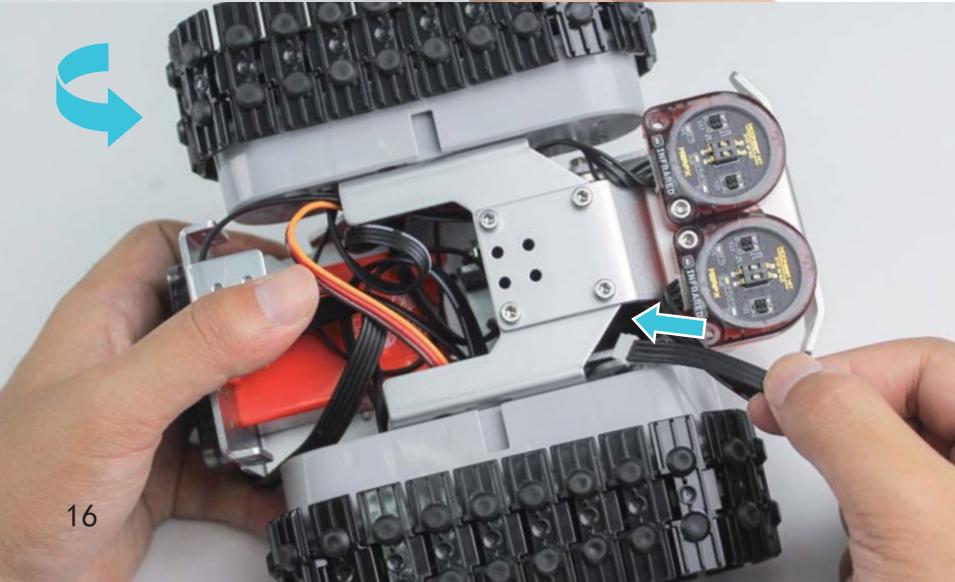
# 2.3



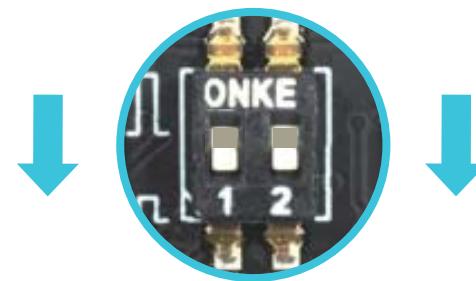
M3X8

X1

4PIN ↔ 18CM



将四个小开关拨动至下端,使红外切换至短距离巡线模式

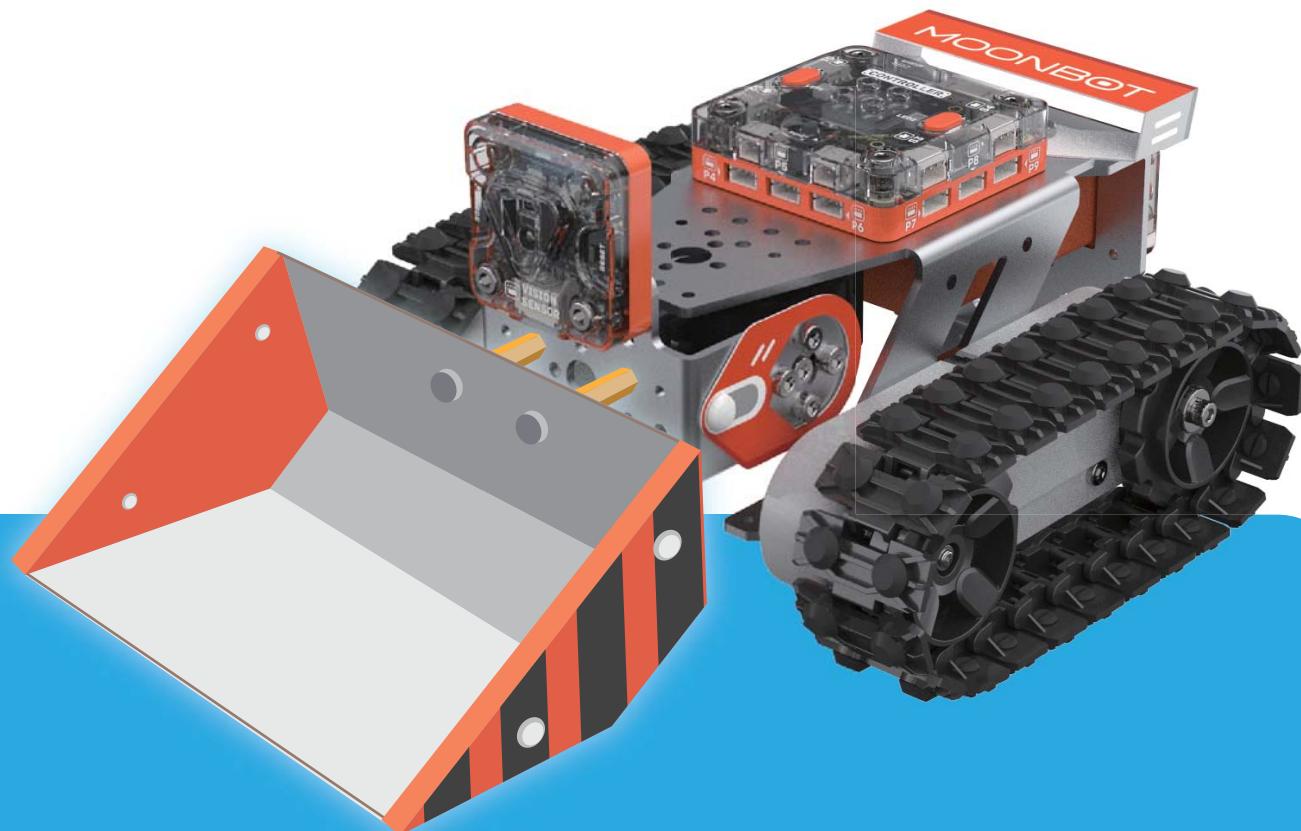


\*适宜于非强光室内使用

请在白纸上绘制或打印8~10mm粗的黑色线条,亦可使用黑色电工胶布

# 3 MoonRover

## 智能小铲车搭建



+12

零件数

15min

预估搭建时间

# 3.1

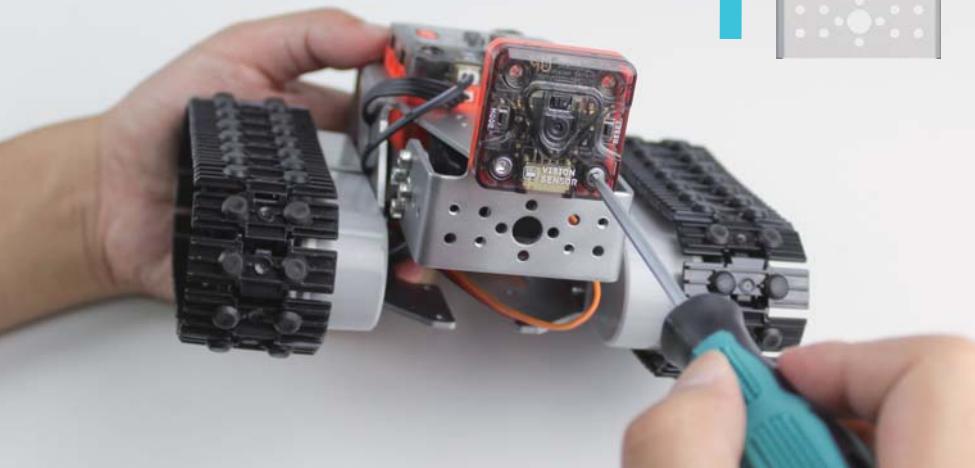


M3X12

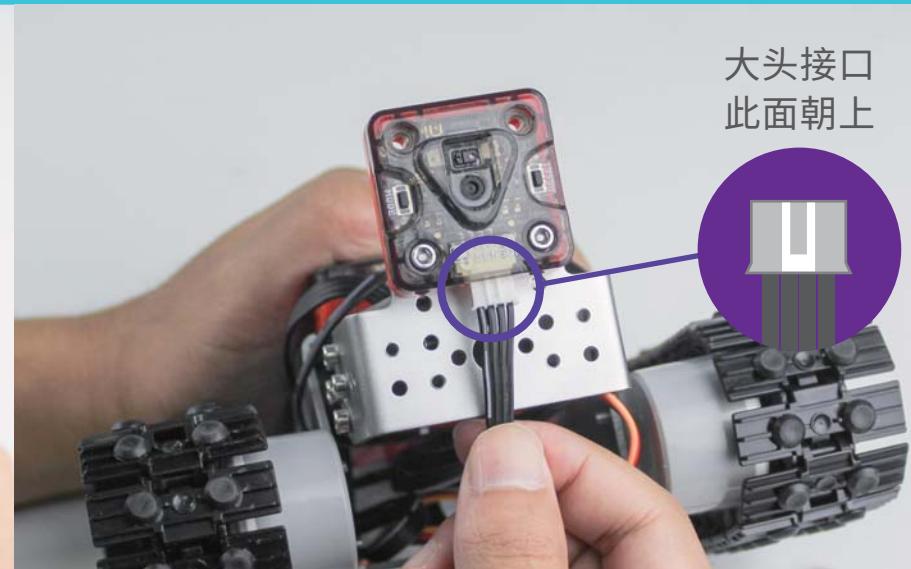
X2



把视觉模块向上调整安装到此位置



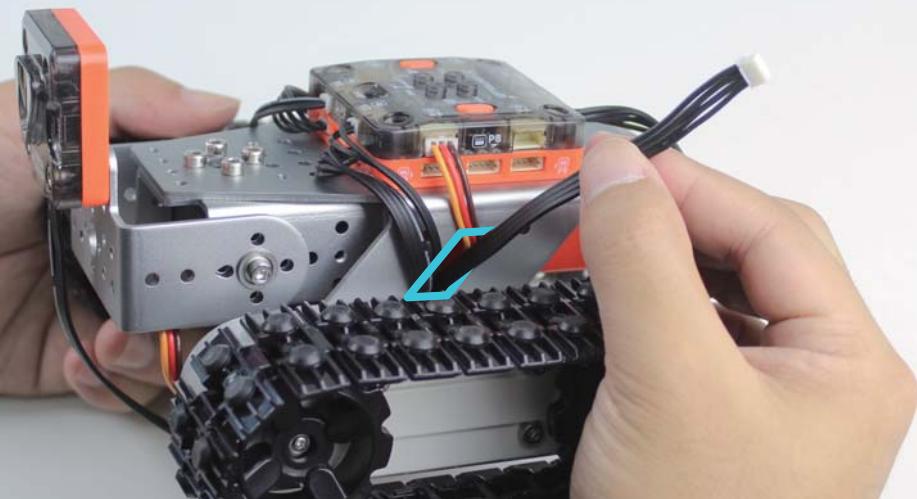
大头接口  
此面朝上



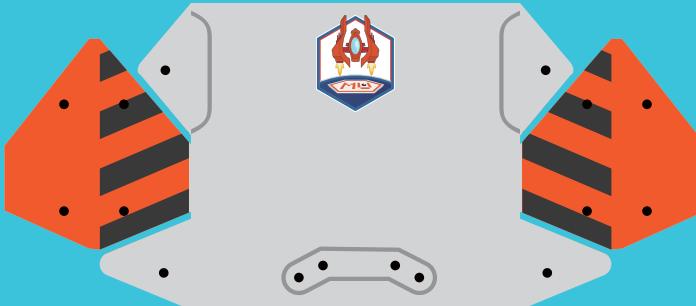
视觉模块 ➞ P9



小头接口  
此面朝上



# 3.2



# 3.3



X4

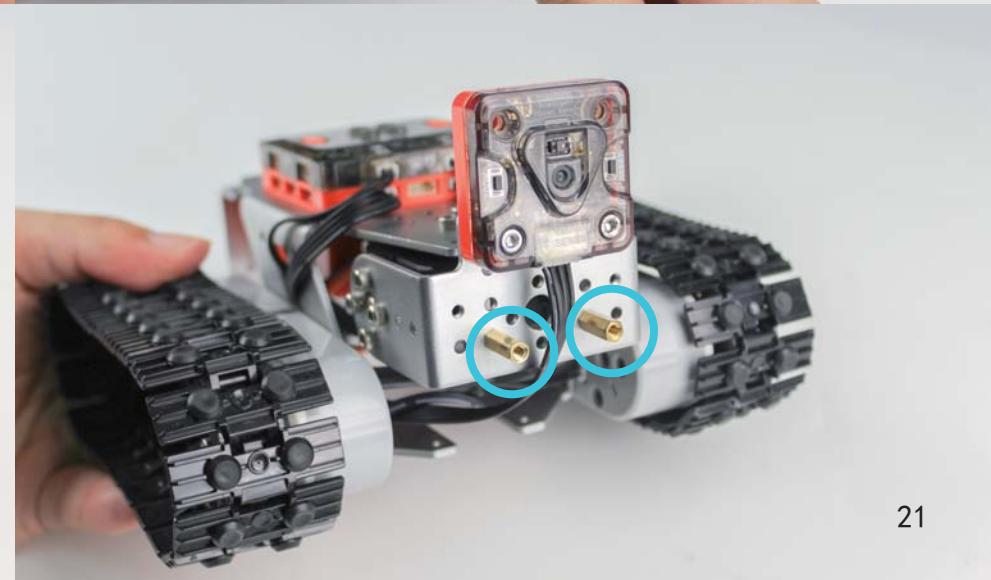
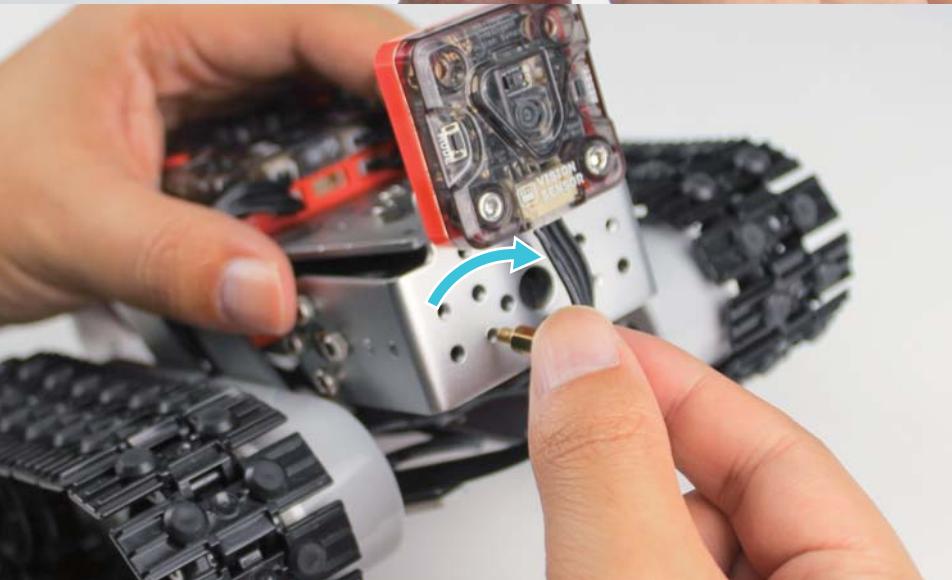


COPPER  
COLUMN

X2



在另一侧使用同  
样的折叠方式，  
并用四个铆钉将  
纸板固定起来



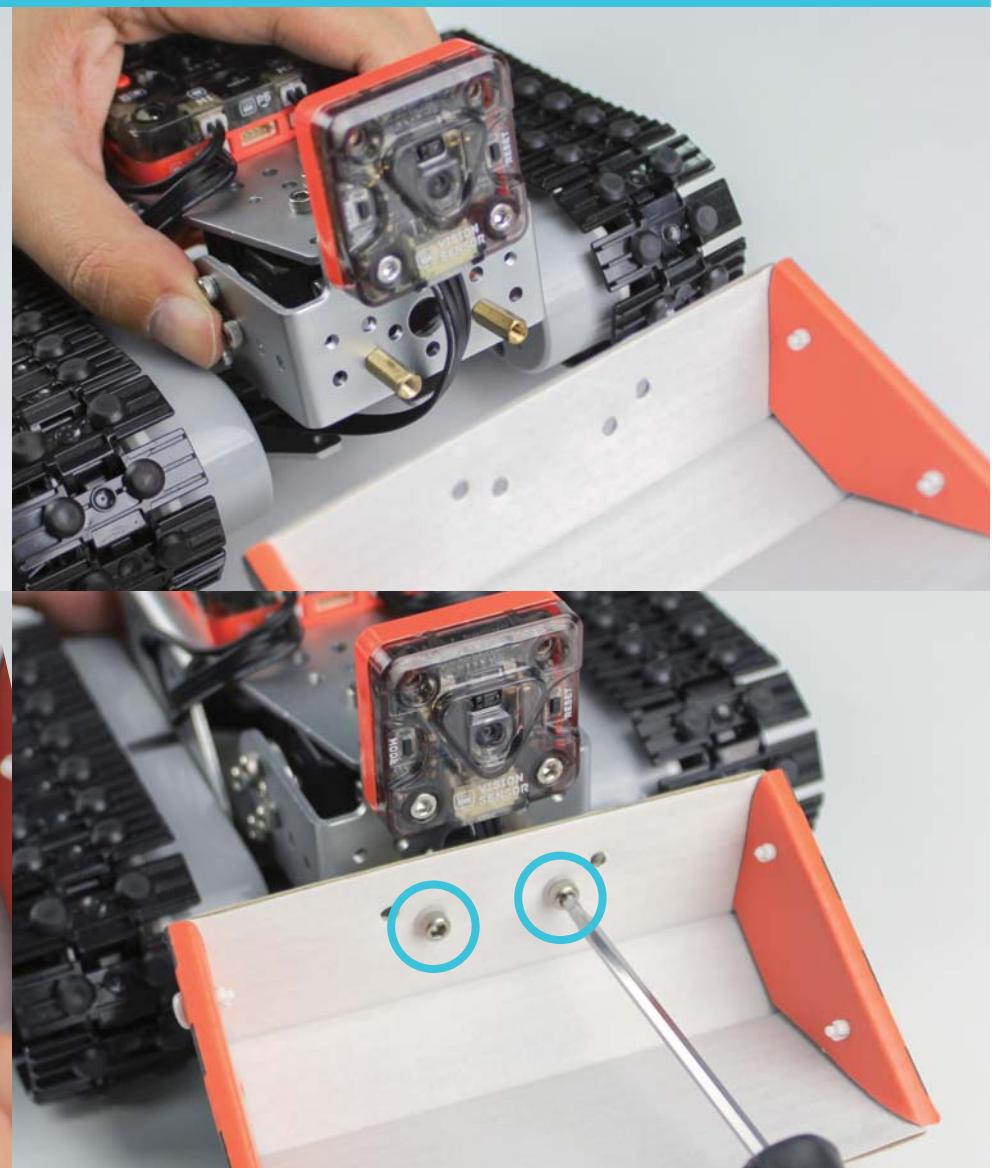
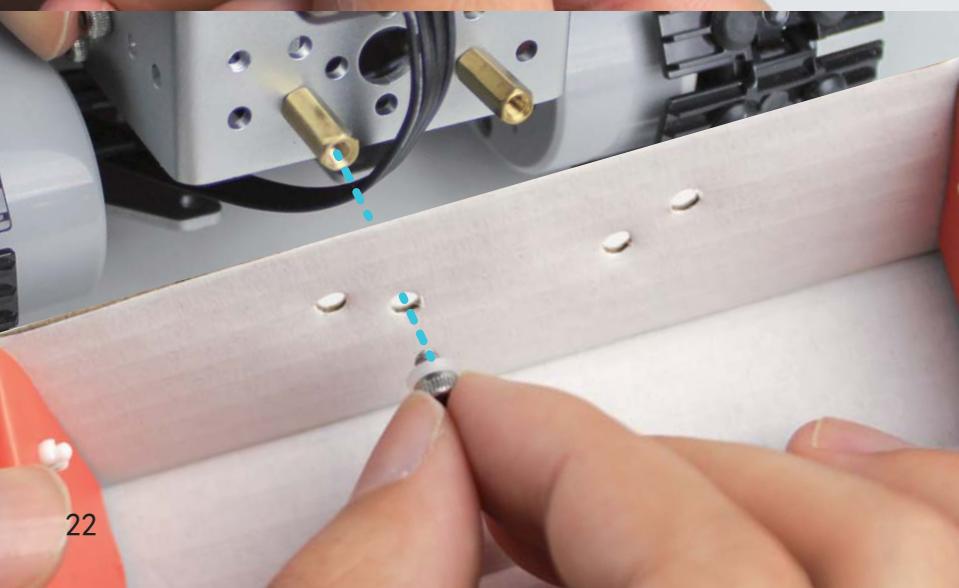
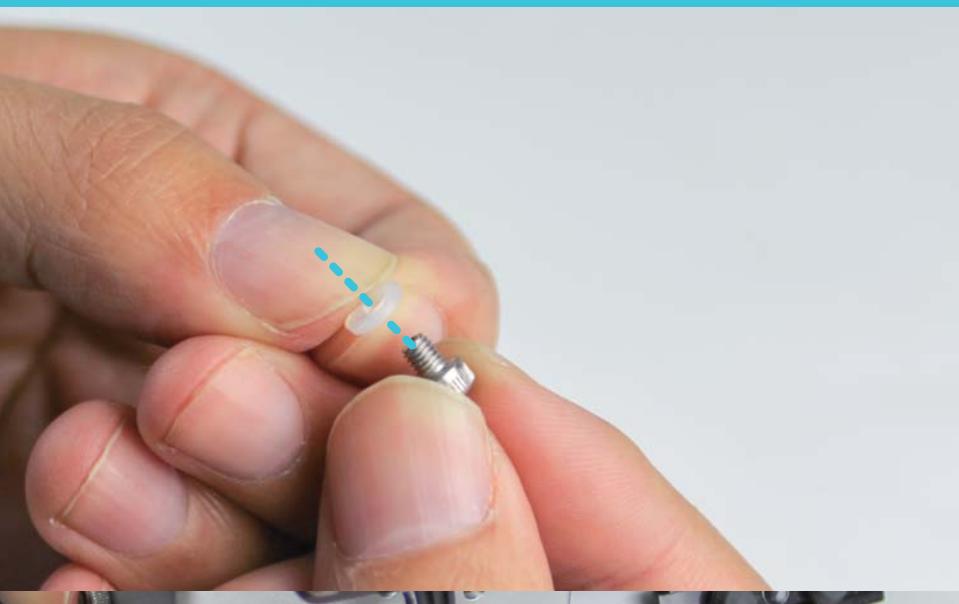
# 3.4



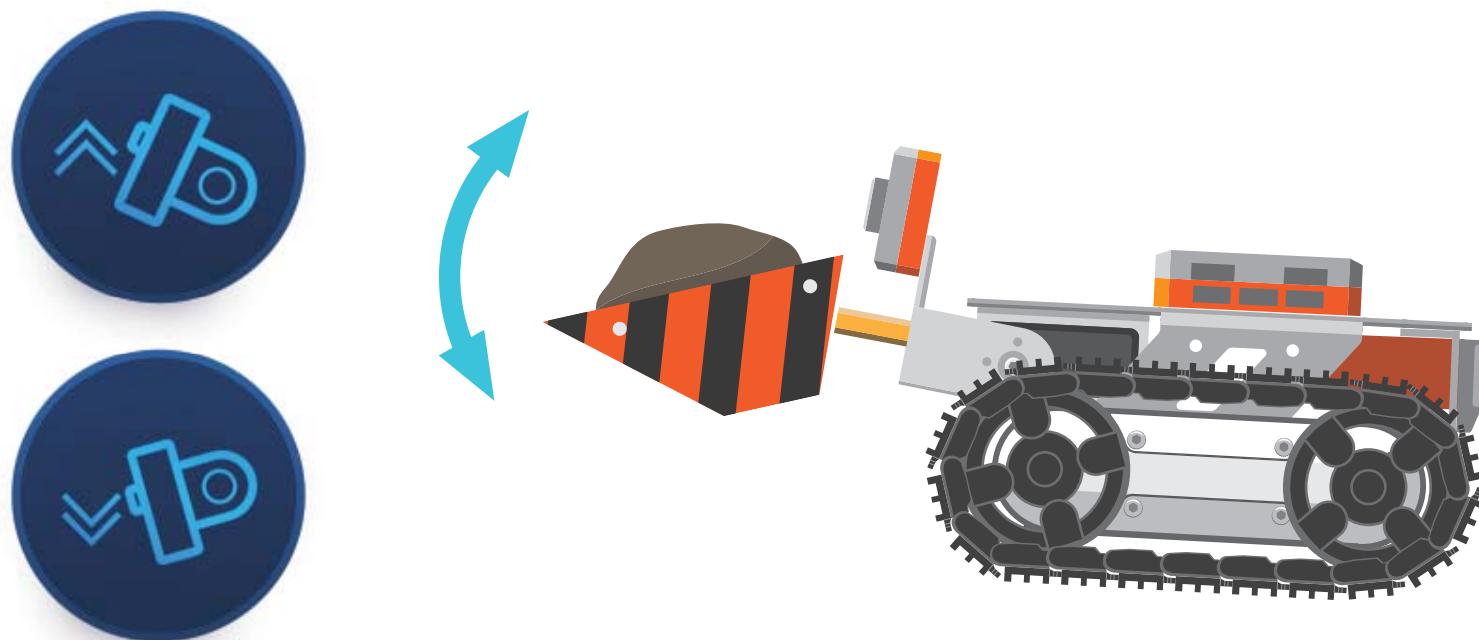
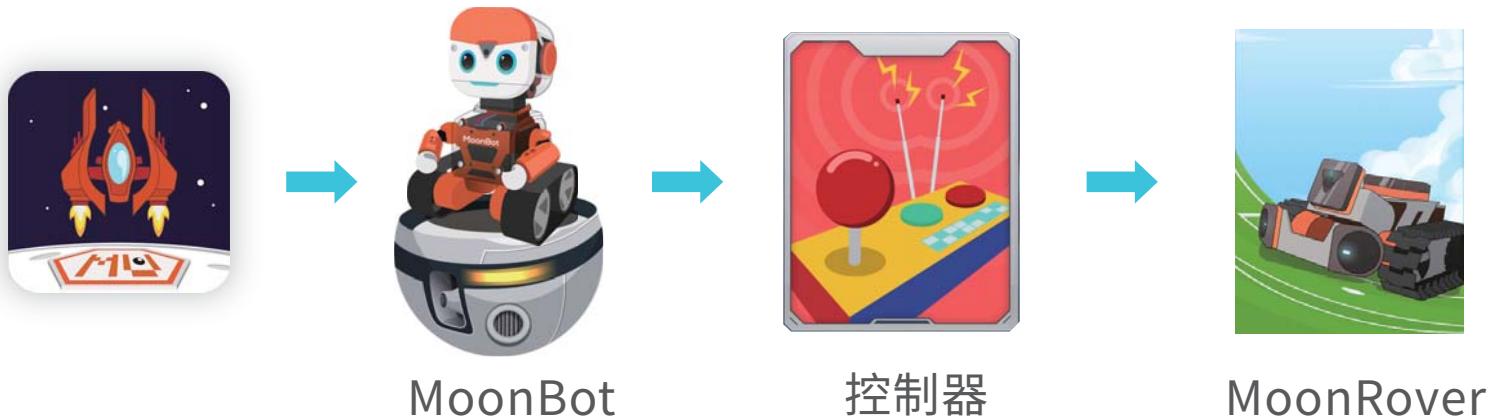
X2



X2

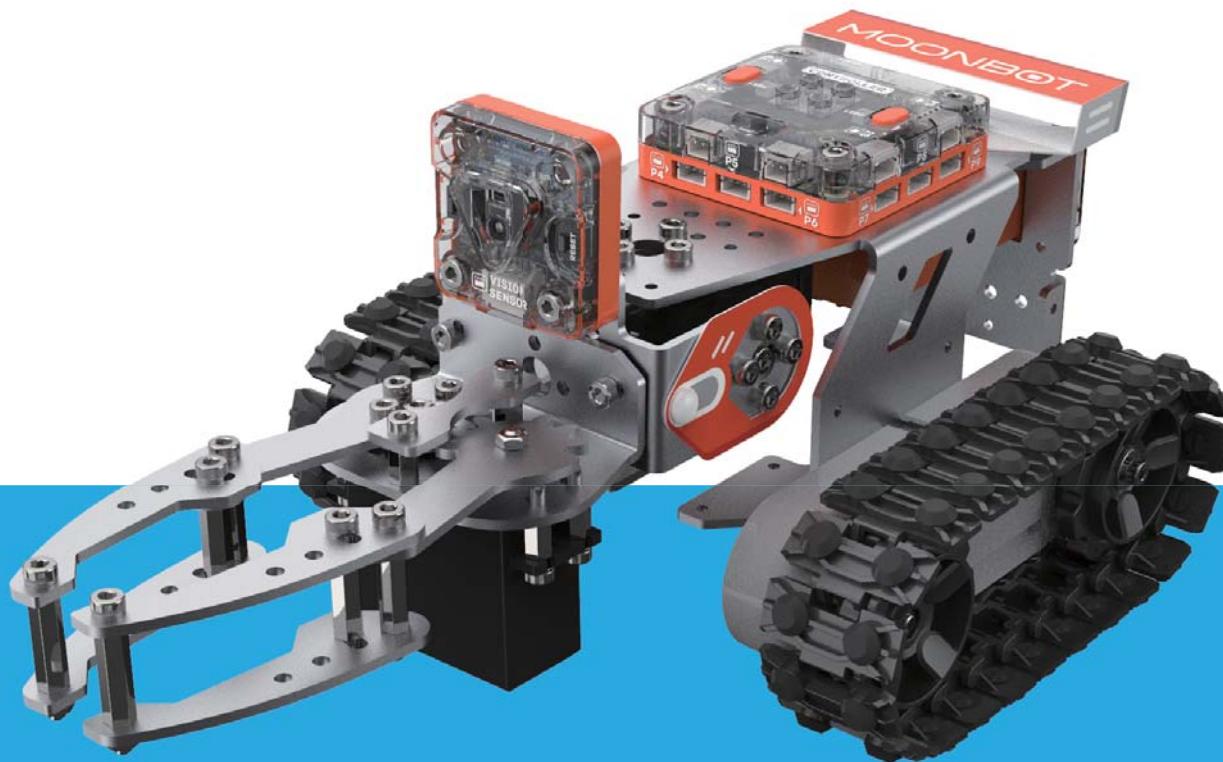


# 使用APP遥控



# 4 MoonRover

## 机械爪小车搭建



+10

零件数

15min

预估搭建时间

# 4.1

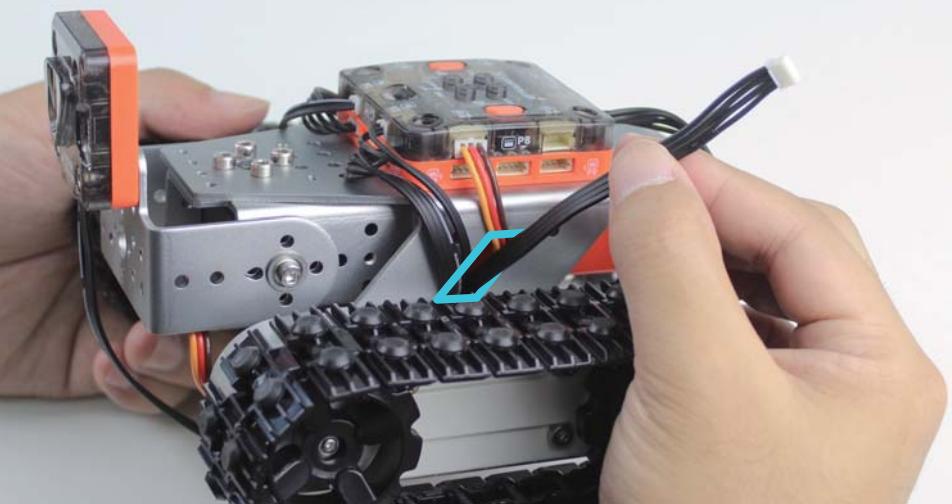
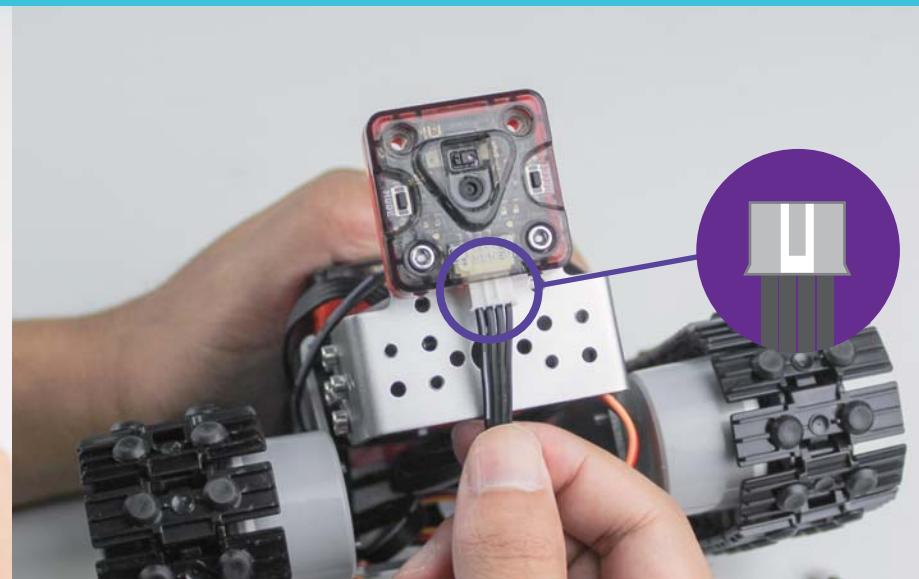
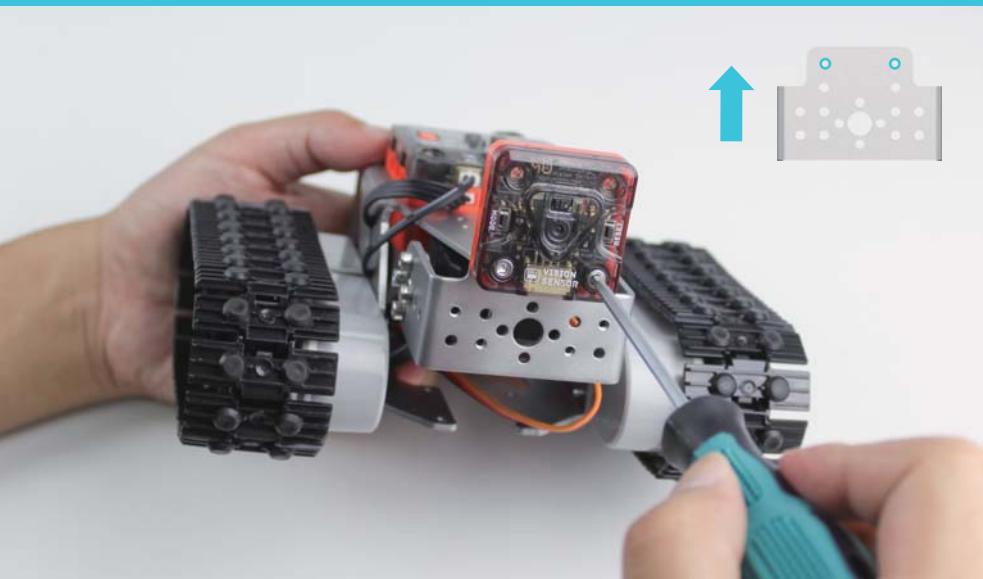


M3X12

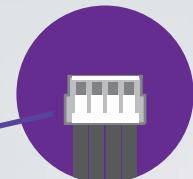
X2



4PIN ↔ 30CM



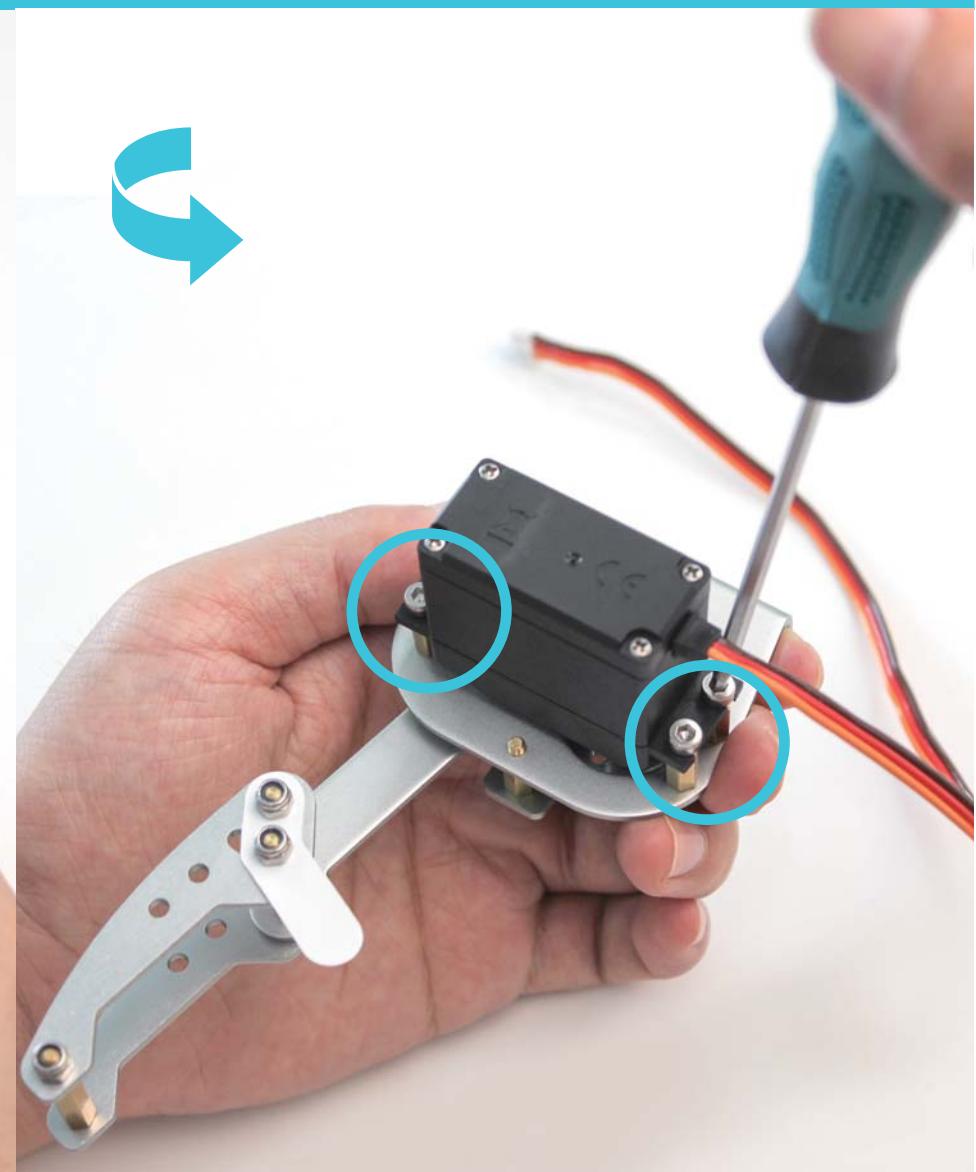
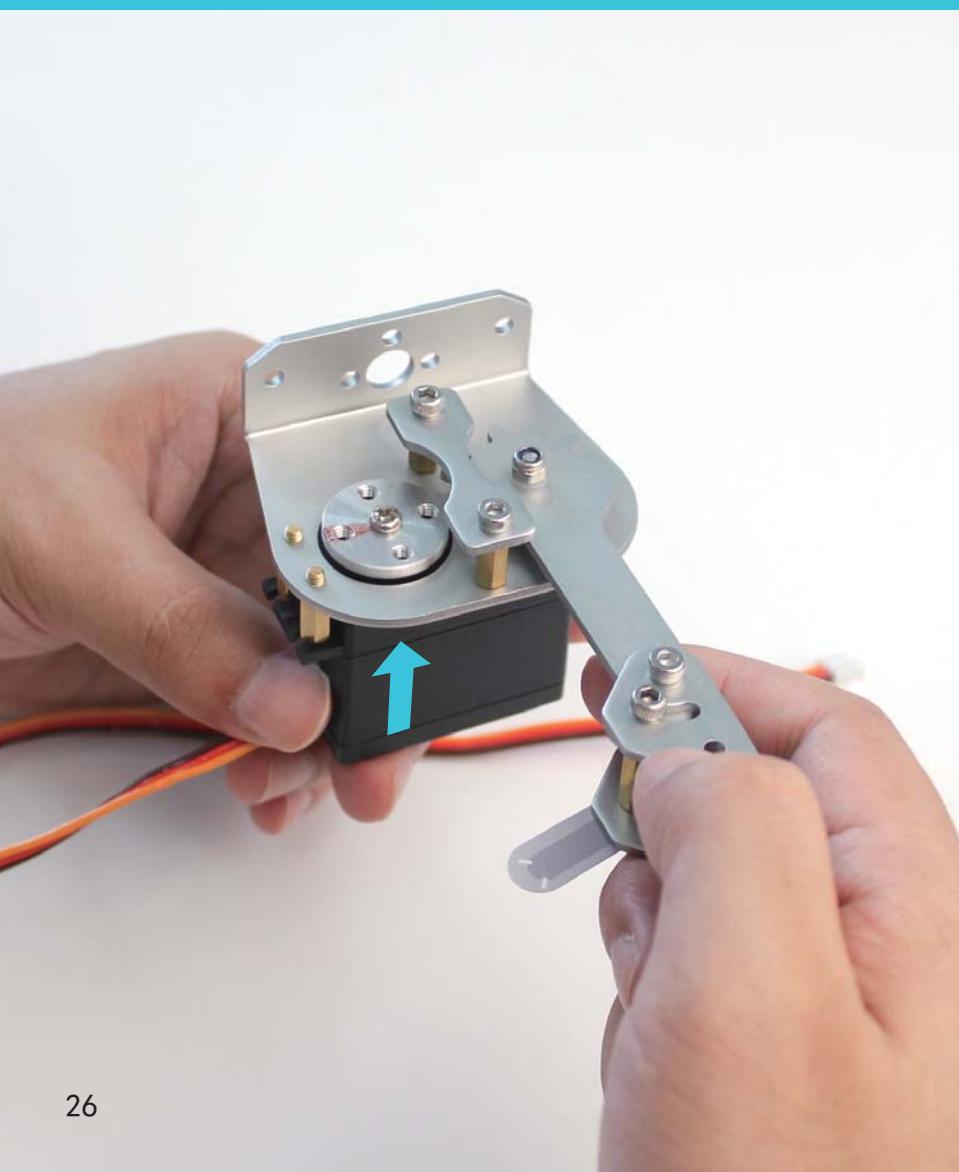
视觉模块 → P9



# 4.2



M3X4  
X4

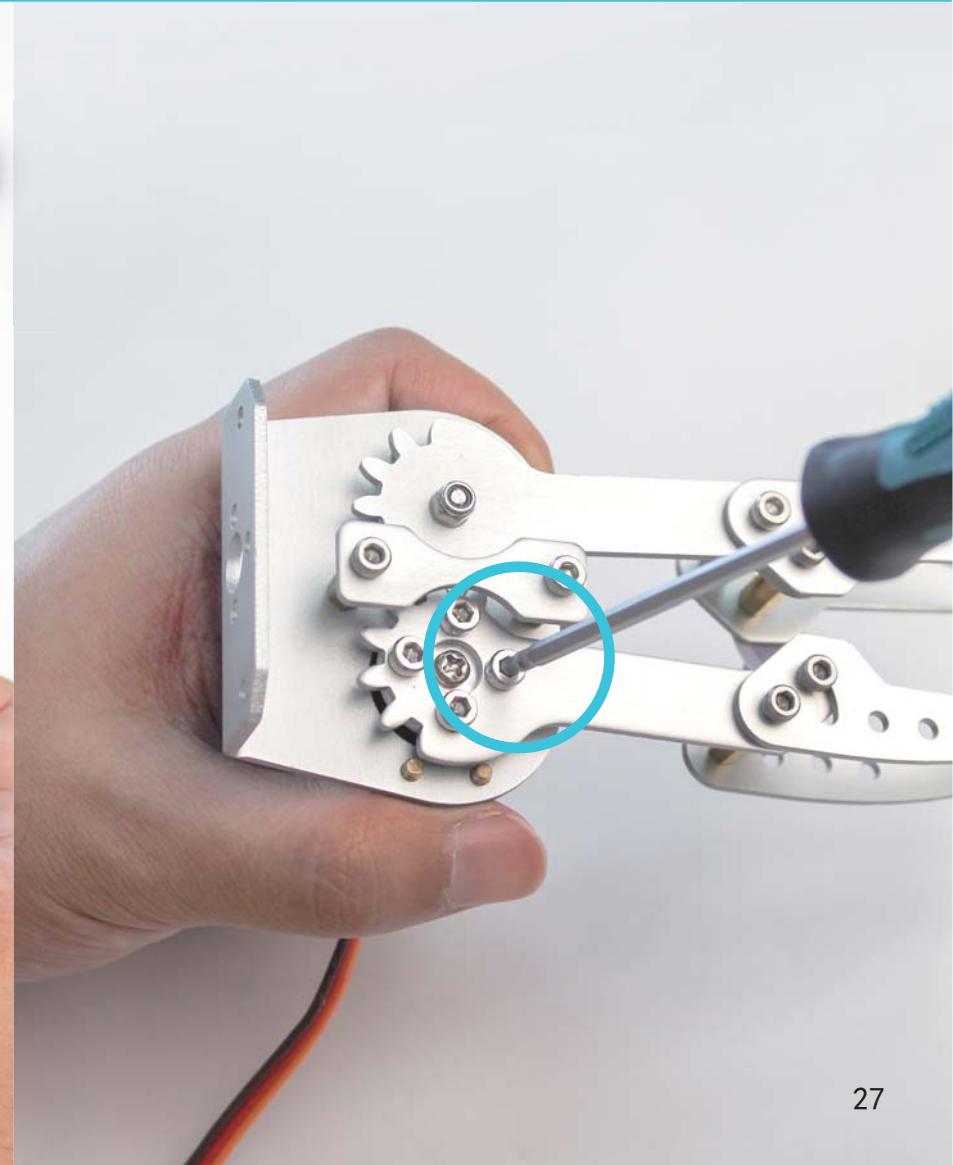
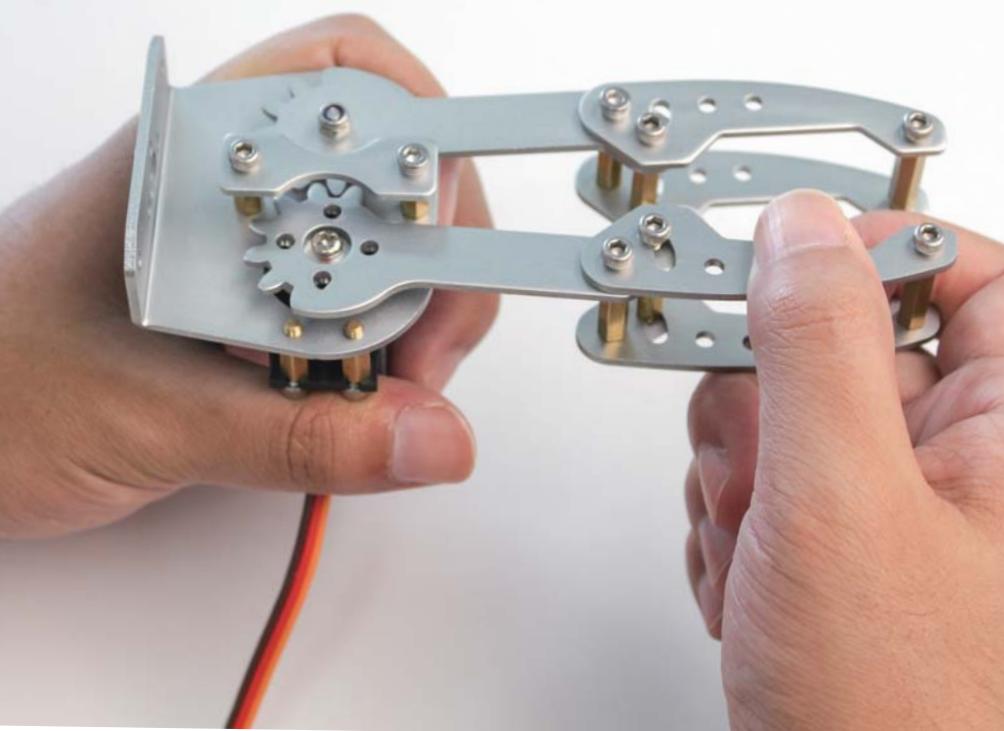


# 4.3



M3X4

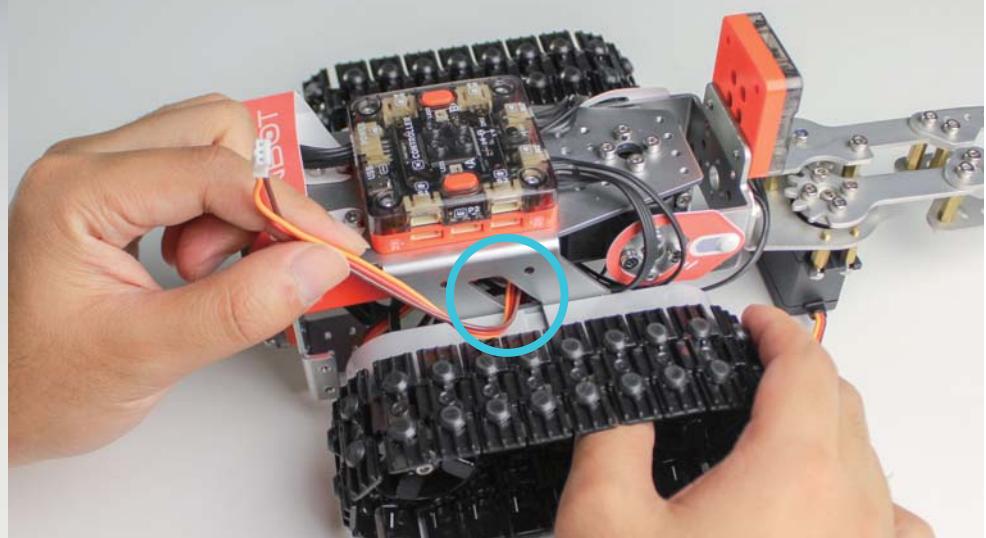
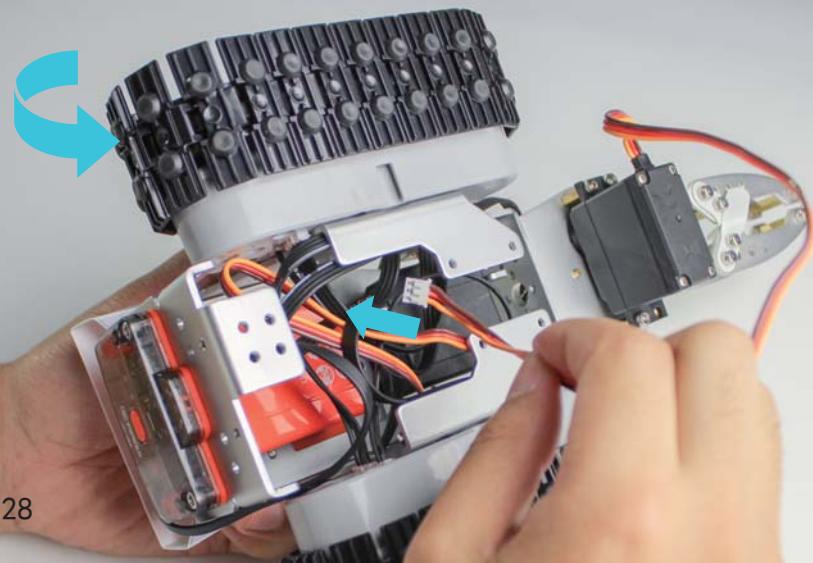
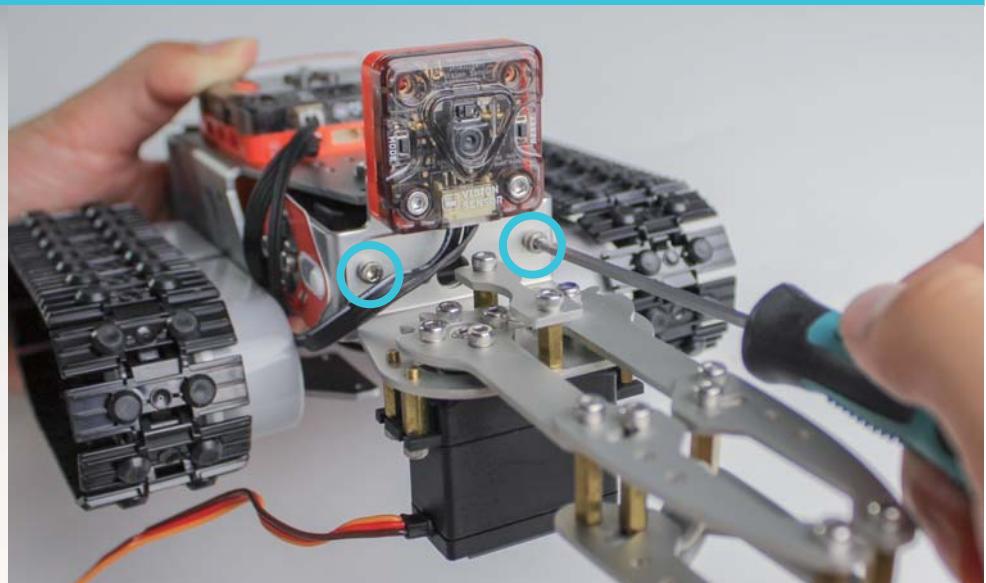
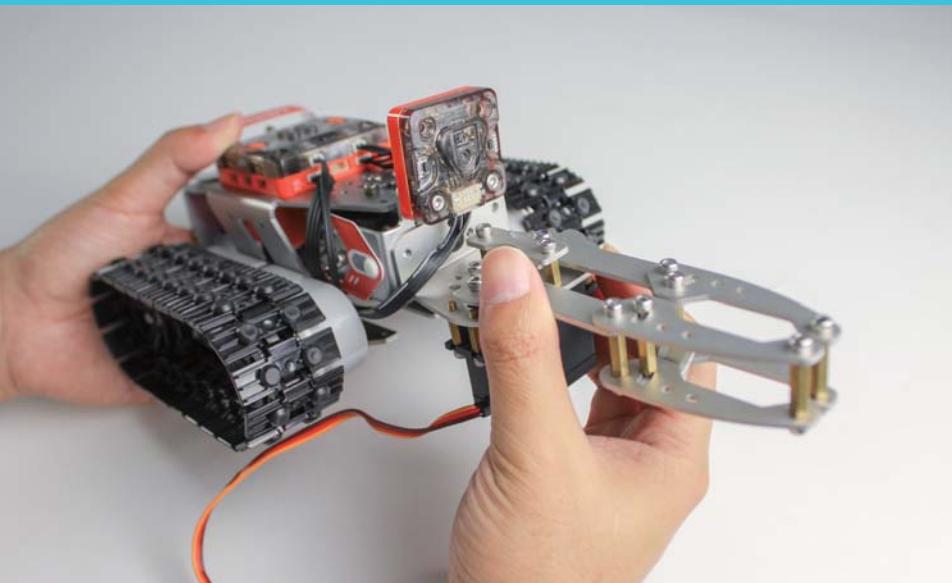
X4



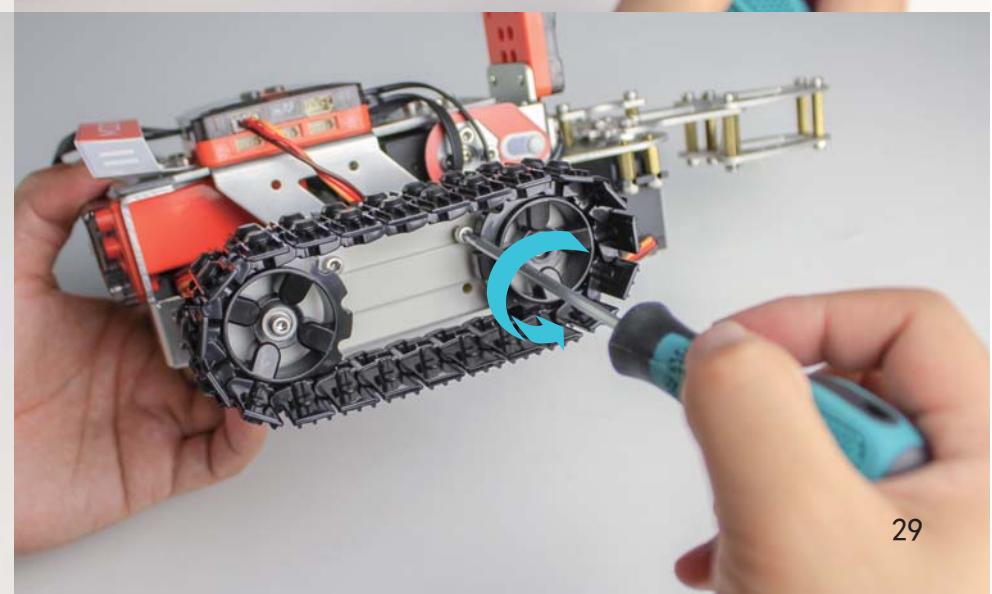
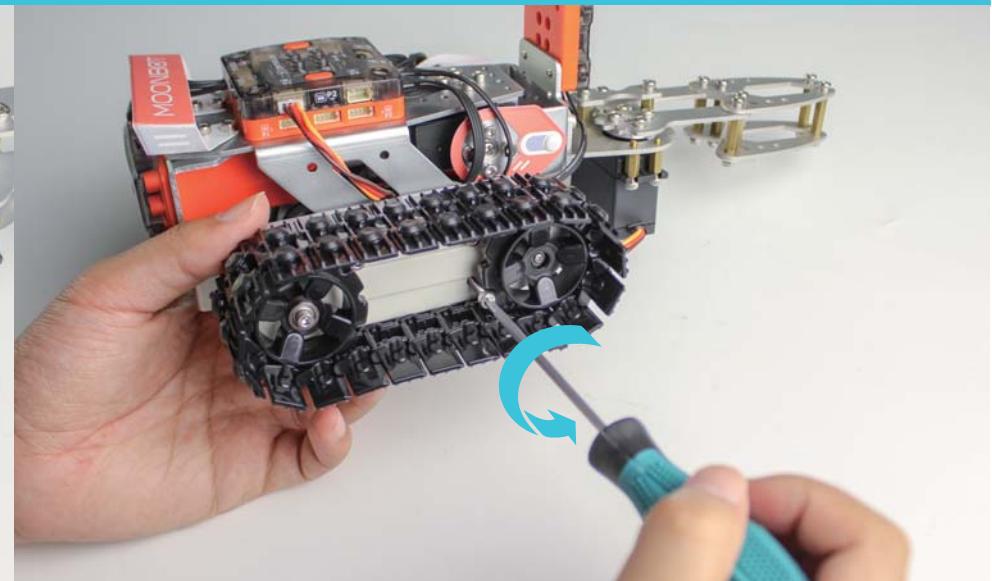
# 4.4

M3X4

X2



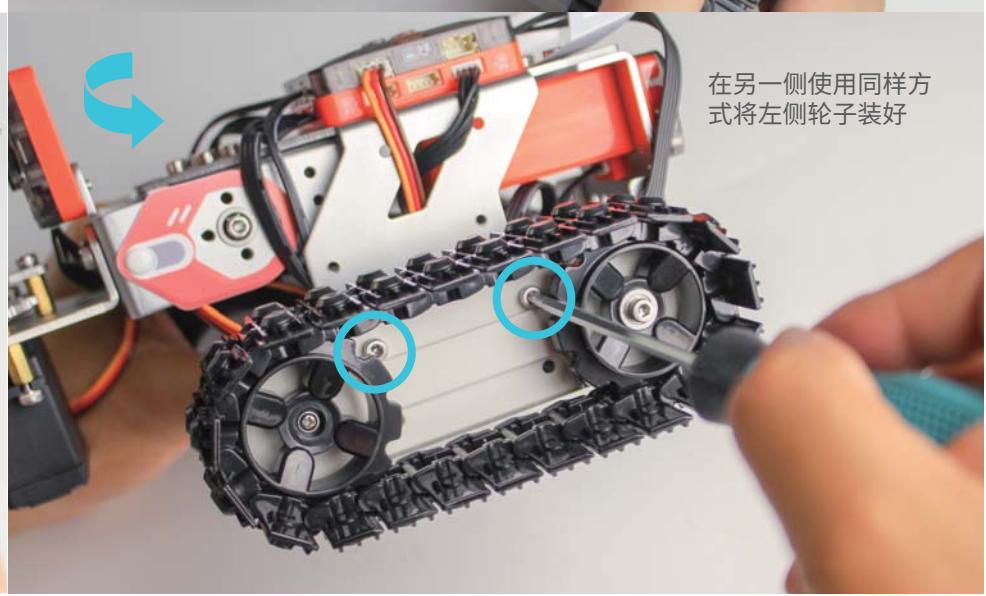
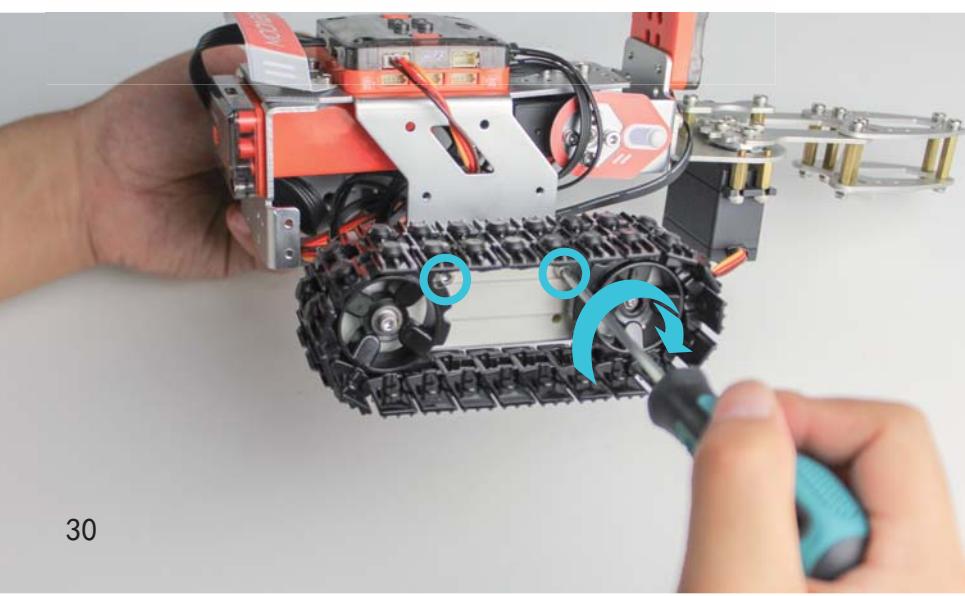
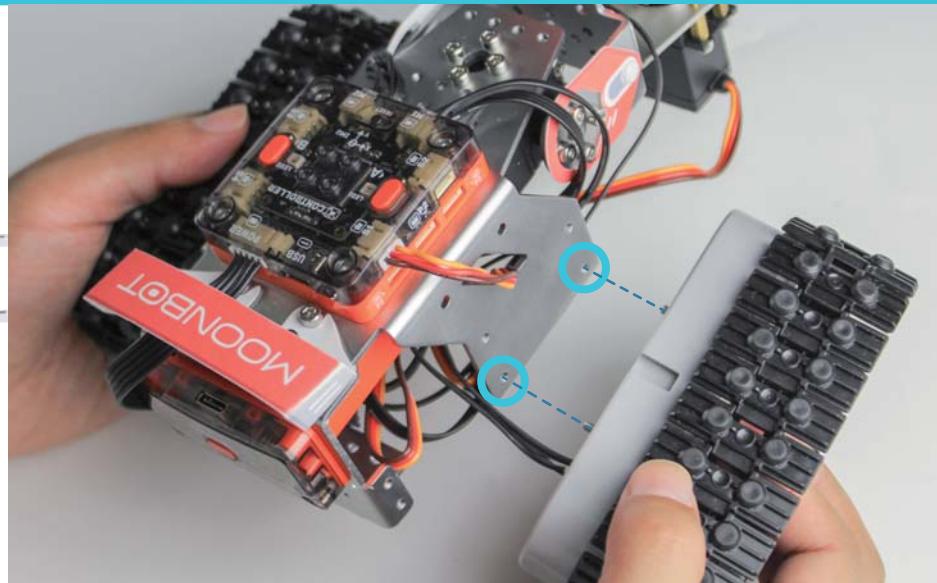
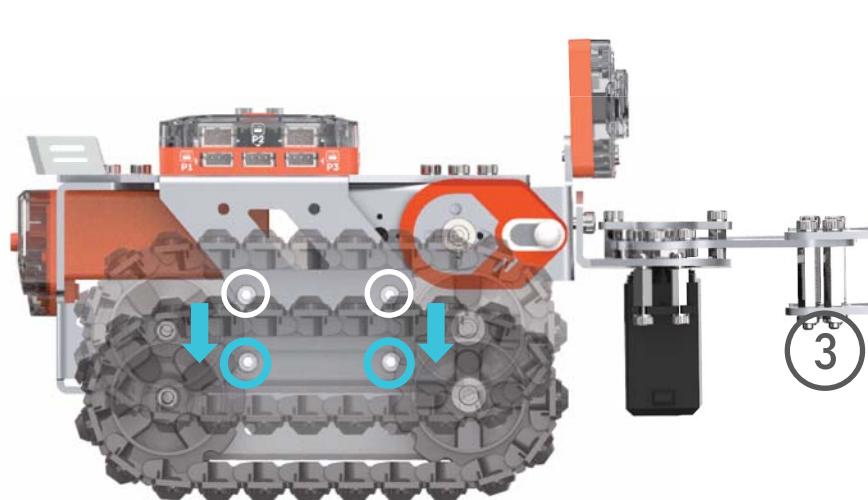
# 4.5



# 4.6

①

②



# 发现更多精彩

扫一扫进入支持文档 > MoonBot Kit 形态指南

