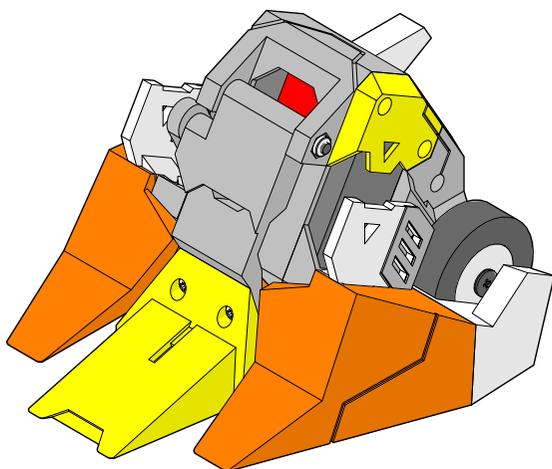


XUANZHI

玄智科技



XUANZHI E2 02

小黄鸭

简易安装说明书

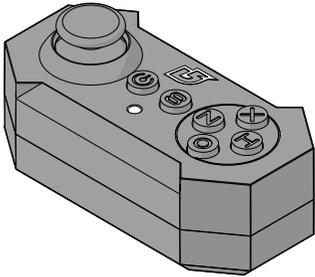


公众号二维码



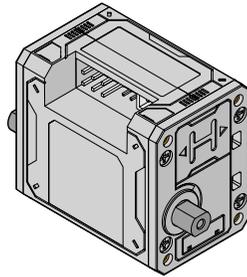
维基百科二维码

主要部件清单



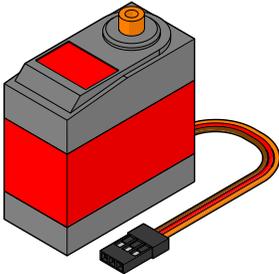
XL11000
核心遥控

×1



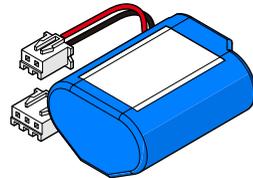
XL21000
核心舱6.0

×1



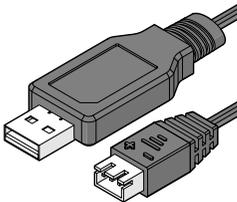
XL31510
升级舵机
4020

×1



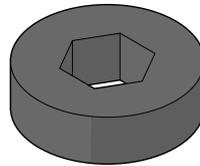
XL37300
三元锂电芯组
450mAh

×1



XL38600
充电线
7.4V

×1



XL43134
EVA胎
D34×10

×2

五金类配件清单

自攻螺丝包



XL61106
盘头自攻螺丝
M2.5×6

×30

机牙螺丝包



XL62106
沉头螺丝
M2×6

×10

驱动轴包



XL63394
扁头加胶螺丝
M3×4

×4



XL63198
沉头加胶螺丝
M3×8

×4



XL41215
标准车轴
15mm

×3

武器轴包



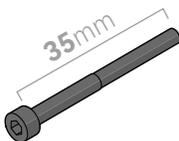
XL49225
内六角扳手
2.5mm

×1



XL67130
锁紧螺母
M3

×2



XL63753
杯头半牙螺丝
M3×35

×2

舵机五金包



XL31010
金属舵臂
25T

×1



XL67130
锁紧螺母
M3

×2



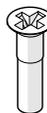
XL63198
沉头加胶螺丝
M3×8

×2



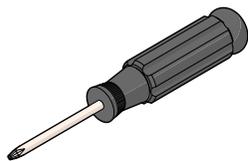
XL61210
半牙自攻螺丝
M2.5×10

×2



XL63901
沉头台阶螺丝
M3×12

×2

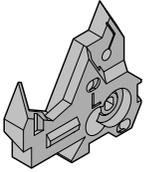


XL49130
十字螺丝刀
3mm

×1

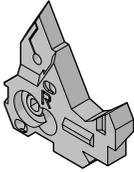
小黄鸭

3D打印零件清单



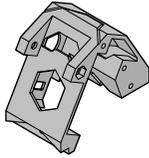
XL0201
左车架L

×1



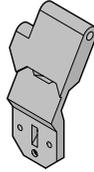
XL0202
右车架R

×1



XL0203
设备舱

×1



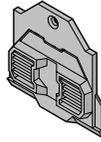
XL0204
主动臂

×1



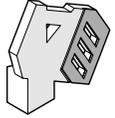
XL0205
舵机盖

×1



XL0206
尾甲

×1



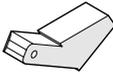
XL0207
左耳L

×1



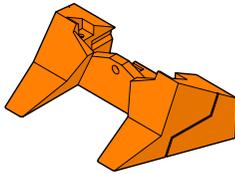
XL0208
右耳R

×1



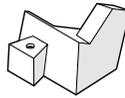
XL0209
复位角

×1



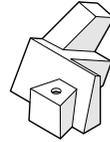
XL0210
底盘

×1



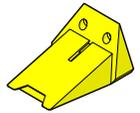
XL0211
轮档L

×1



XL0212
轮档R

×1



XL0213
前铲

×1



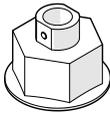
XL0001
主动齿轮
T10

×4



XL0011
齿轮环
T15

×2



XL0021
通用轮毂
H10

×2



XL0051
驱动臂A

×1



两侧安装方式相同



安装后保持顺滑



安装的轨迹及方向



使用内六角扳手



特别或补充说明



螺丝的固定轨迹



使用通用十字套筒

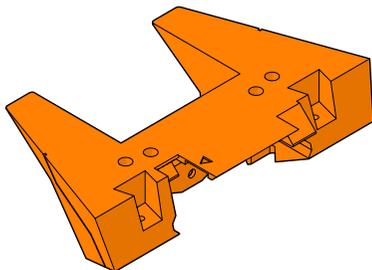
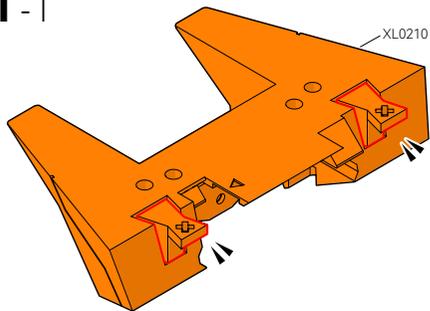


按照数字顺序组装



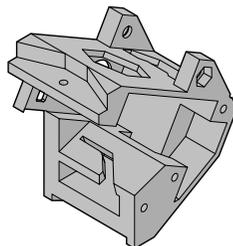
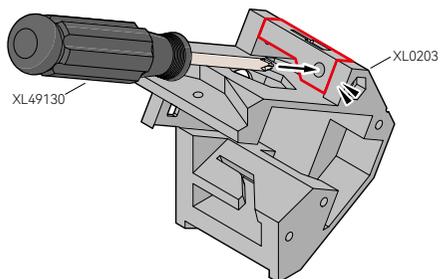
注意位置或方向

1-1



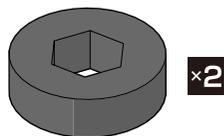
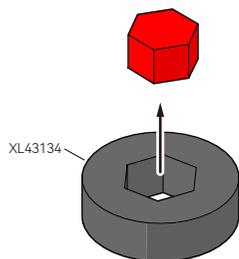
红色标识支撑件请掰开去除

1-2



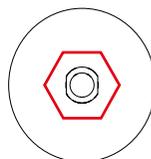
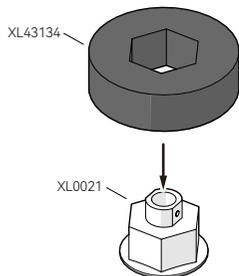
螺丝刀插入红色标识处圆孔后
轻巧地翘开剥离打印件多余支撑

1-3



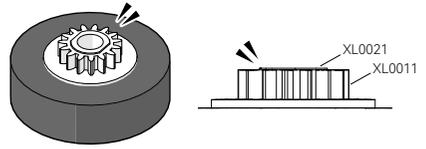
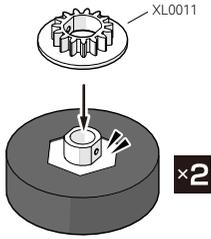
剥去EVA轮多余部分

2-1



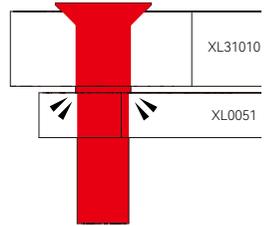
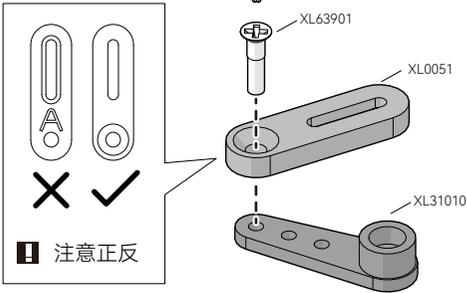
图中红线所示
轮毂与胎皮的六边形边对齐后组装

2-2



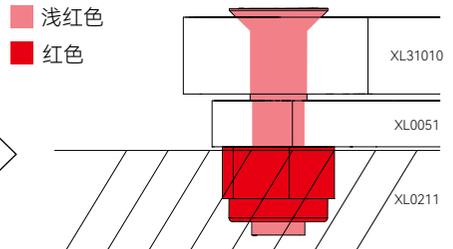
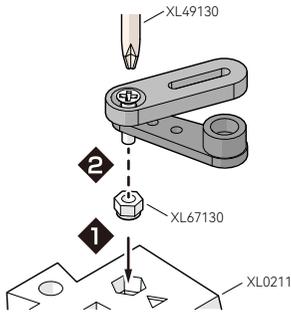
装紧XL0011齿轮环零件
如图所示使得零件顶面低于轮毂顶面

2-3



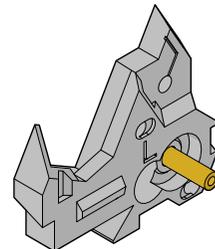
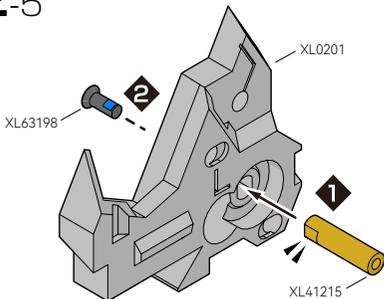
沉头台阶螺丝穿过驱动臂零件后
旋拧固定在金属舵臂上，直至无法旋转

2-4



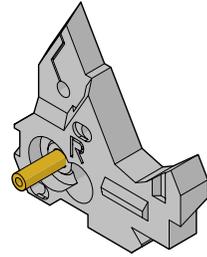
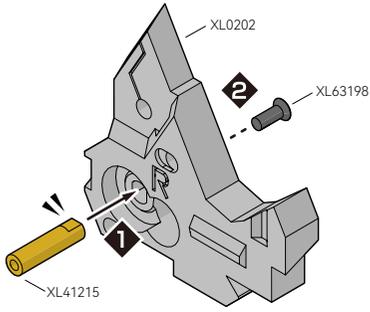
利用零件XL0311作为锁紧螺母的固定底座
将整个金属舵臂系统用锁紧螺母锁定

2-5



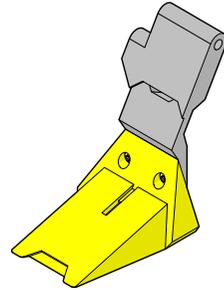
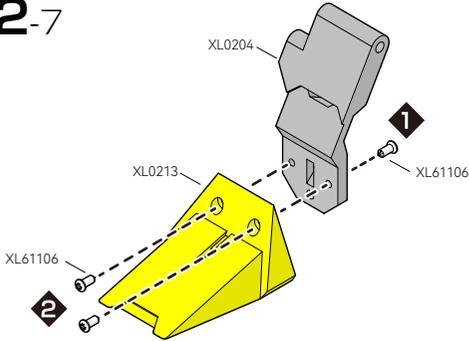
沉头加胶螺丝与标准车轴
之间请制作牢固

2-6

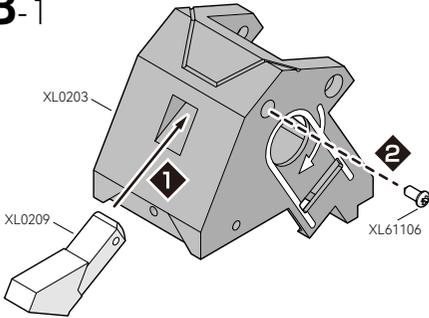


沉头加胶螺丝与标准车轴之间请制作牢固

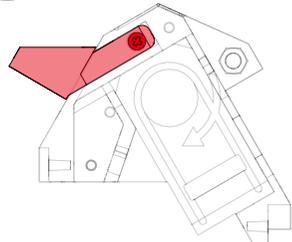
2-7



3-1

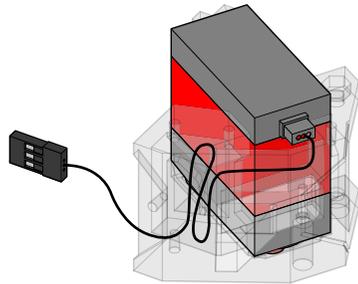
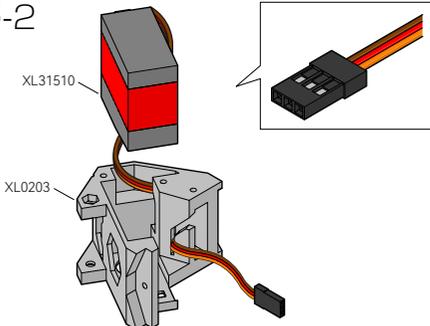


浅红色
红色



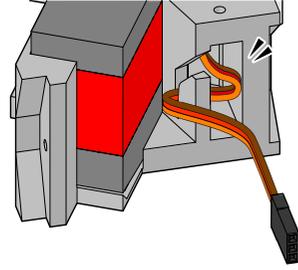
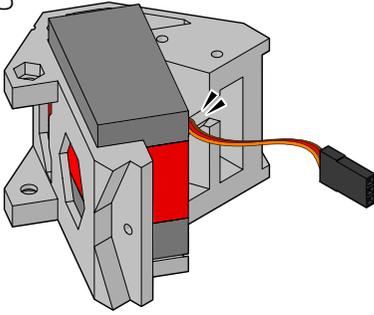
注意零件的安装顺序

3-2



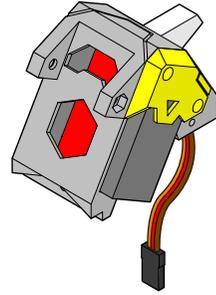
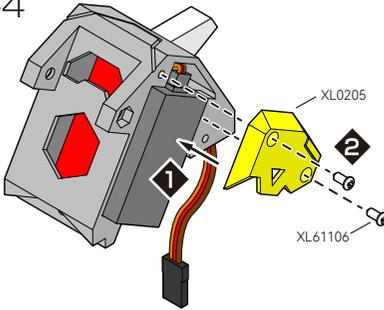
较长的线缆可以整理在空隙空间内

3-3

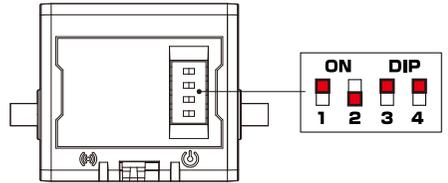
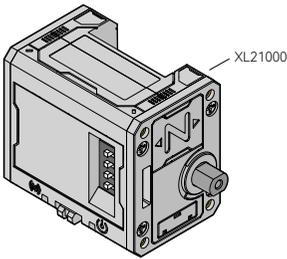


舵机线卡在标识处，露出部分长度即可

3-4

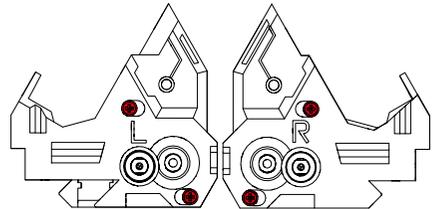
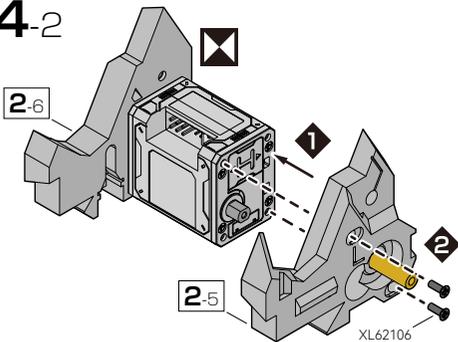


4-1



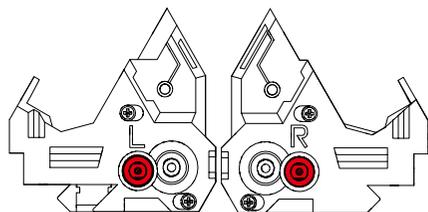
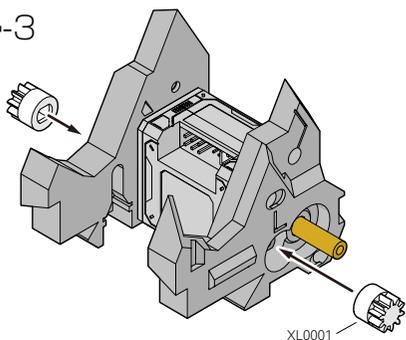
核心模块编码设置如图

4-2



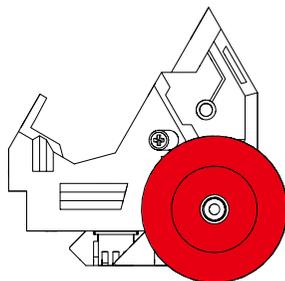
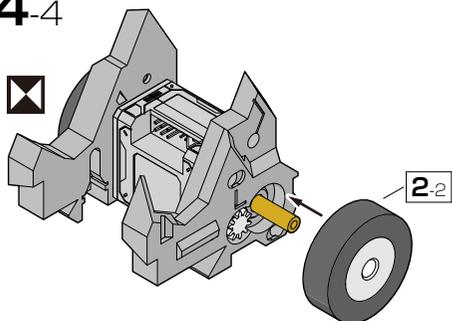
红色标注为螺丝孔位示意

4-3



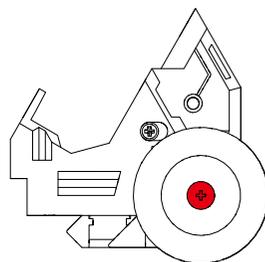
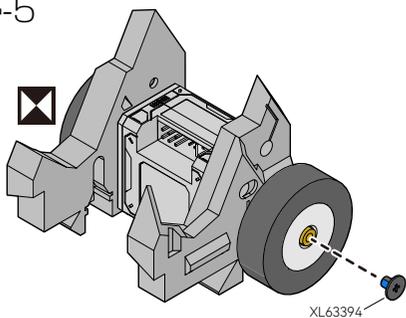
红色标注为零件安装位置示意

4-4



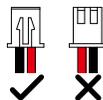
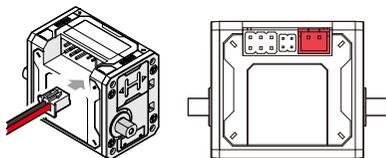
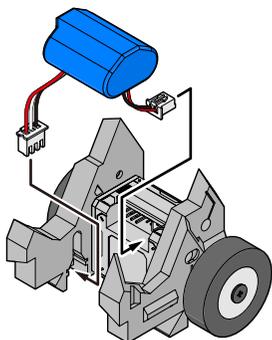
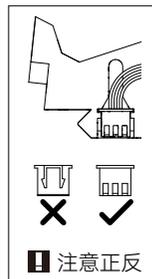
红色标注为零件安装位置示意

4-5



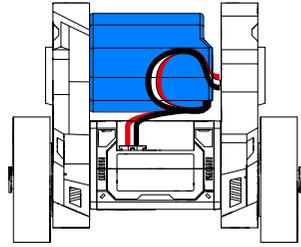
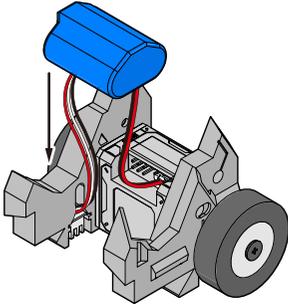
红色标注为螺丝孔位示意

5-1



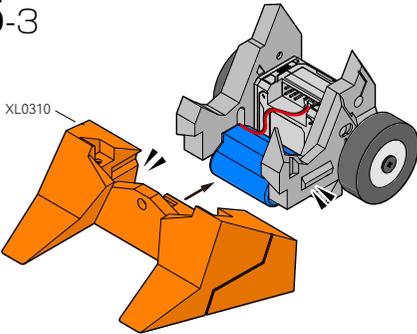
注意接口的插入方向，红色为接口插入位置

5-2

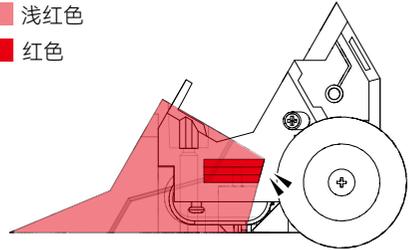


注意电池线缆的整理

5-3

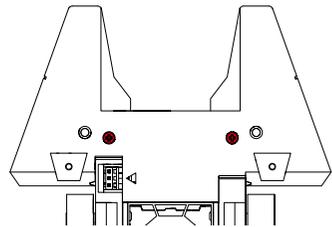
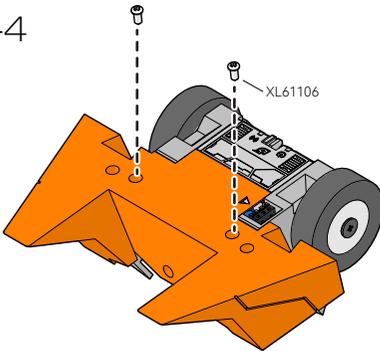


■ 浅红色
■ 红色



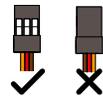
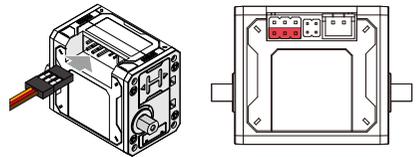
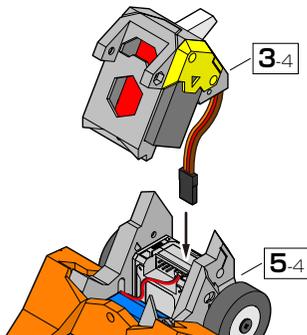
浅红色部分为底盘，红色部分为结构组合卡榫

5-4



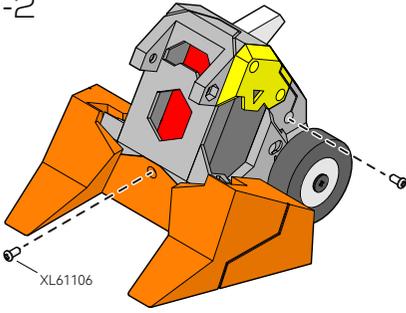
红色标注为螺丝孔位示意

6-1

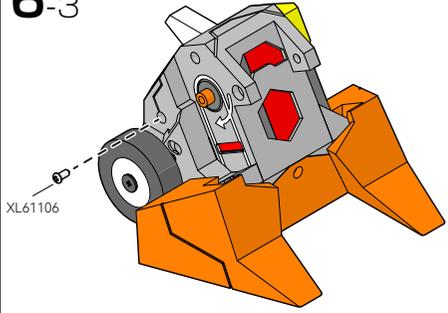


注意接口的插入方向，红色为接口插入位置

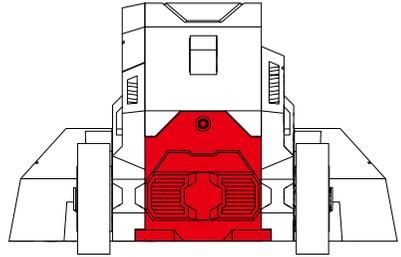
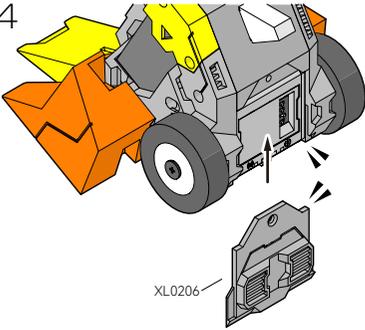
6-2



6-3

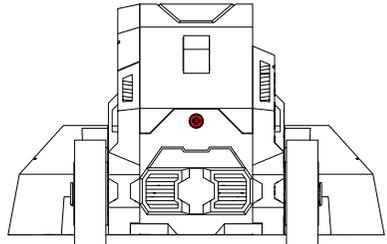
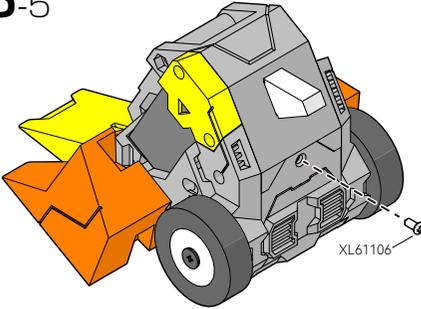


6-4



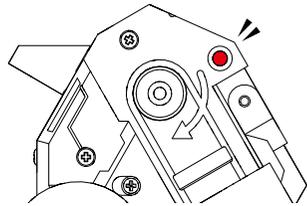
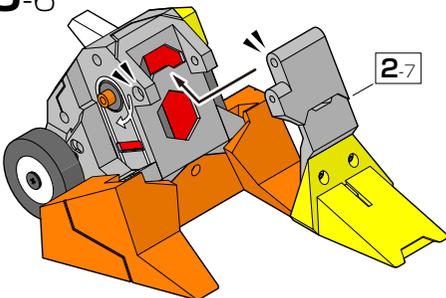
红色标注为零件安装位置示意

6-5



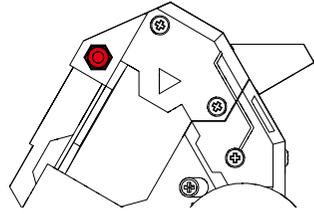
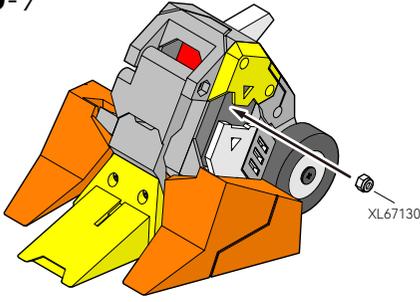
红色标注为螺丝孔位示意

6-6



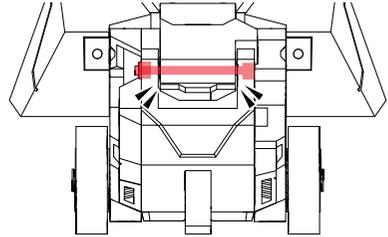
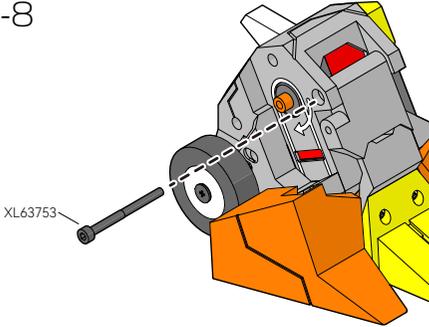
如图请对齐孔洞

6-7



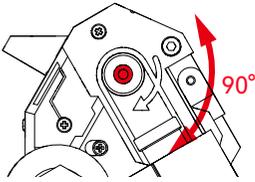
孔内装入锁紧螺母以便螺丝轴链接固定

6-8

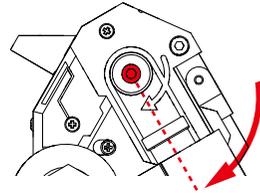


安装完轴以后也要保证机构的良好活动性
切忌安装过紧

7-1

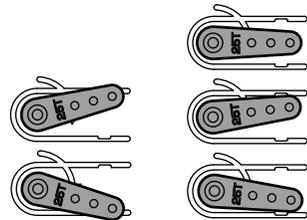
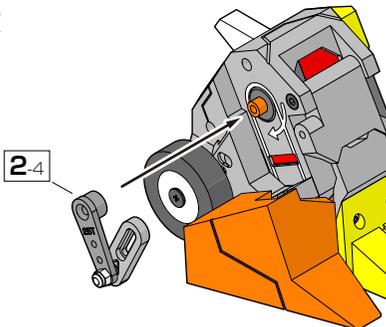


核心舱通电后连接 H 键确定齿轮旋转方向



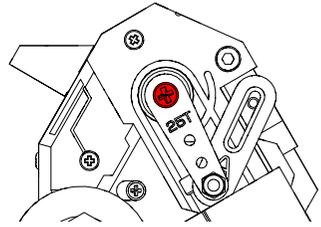
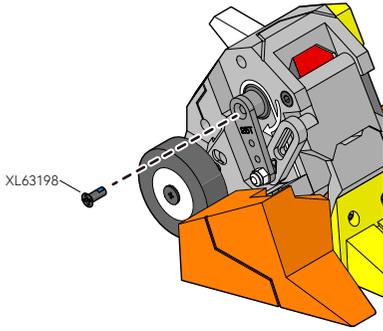
最终将齿轮旋转至箭头所指向的虚线初始位

7-2



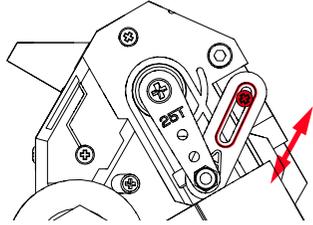
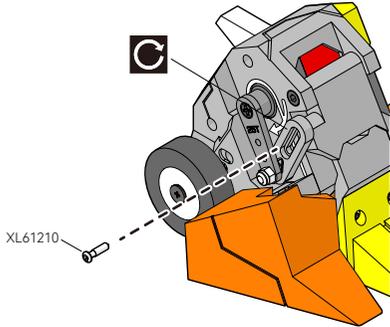
舵机臂初始安装位置请在白线范围内

7-3



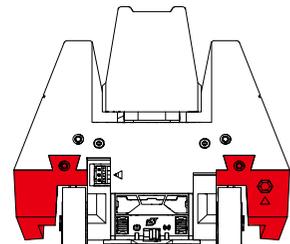
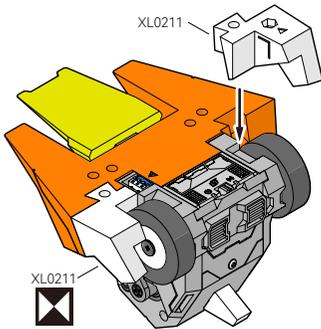
红色标注为螺丝孔位示意
安装螺丝后可以关闭核心舱电源

7-4



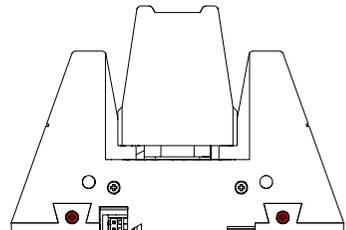
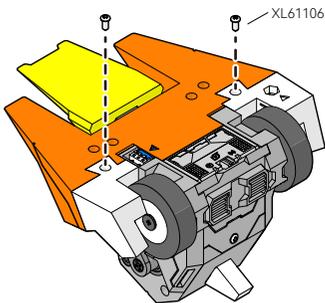
保证XL61210螺丝可以在红色槽内有间隙
可以顺滑地滑动,否则无法正常使用

8-1



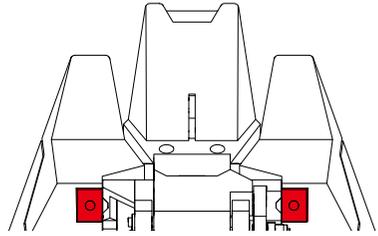
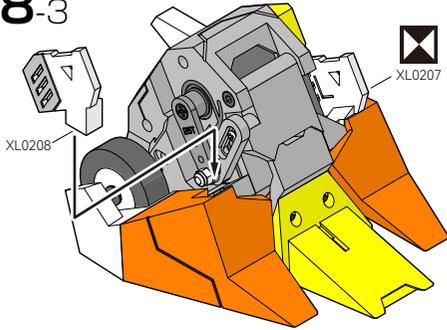
红色标注为安装的轮档

8-2



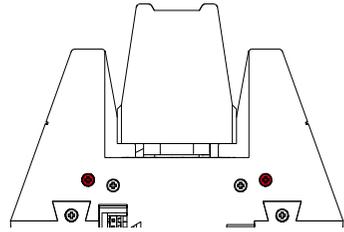
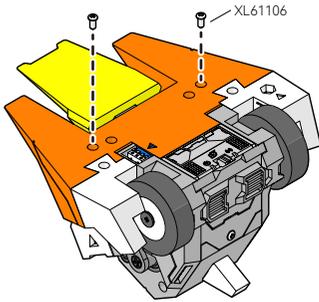
红色标注为螺丝孔位示意

8-3



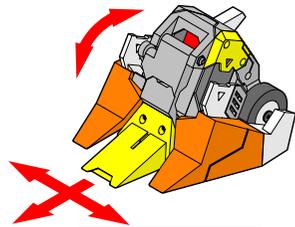
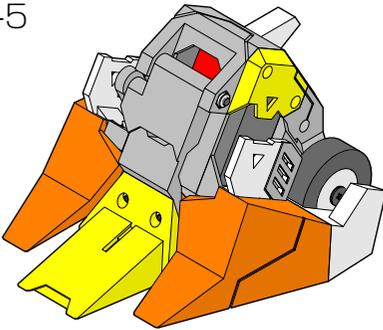
红色标注为零件插入孔

8-4

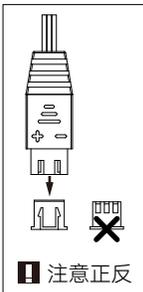


红色标注为螺丝孔位示意

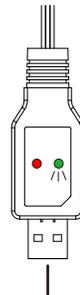
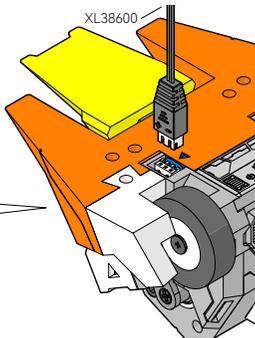
8-5



9-1



注意正反



USB充电口

充电口插入机器人平衡充电头后开始充电。

- 红灯长亮即充电器已通电可以进行充电。
- 绿灯闪烁表示电池正常充电，且未充满电。
- 绿灯呈现长亮状态表示电池已经充满电量。

❗ 禁止使用其他充电线为机器人充电，其他设备造成的安全事故品牌方概不负责。