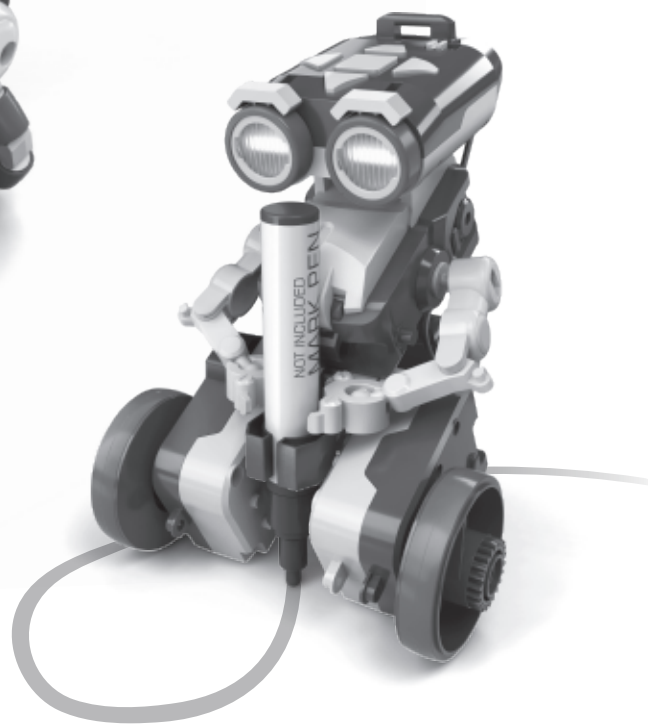
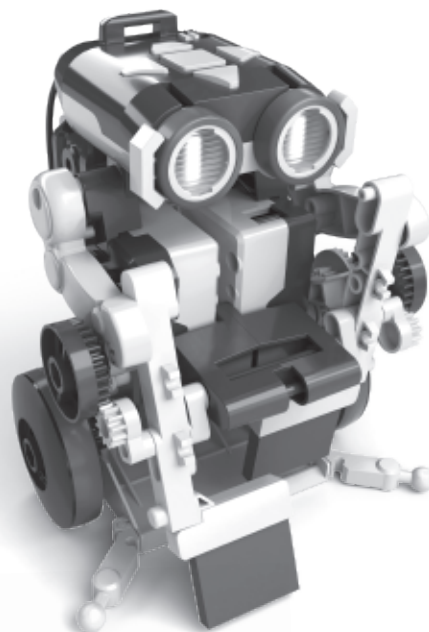
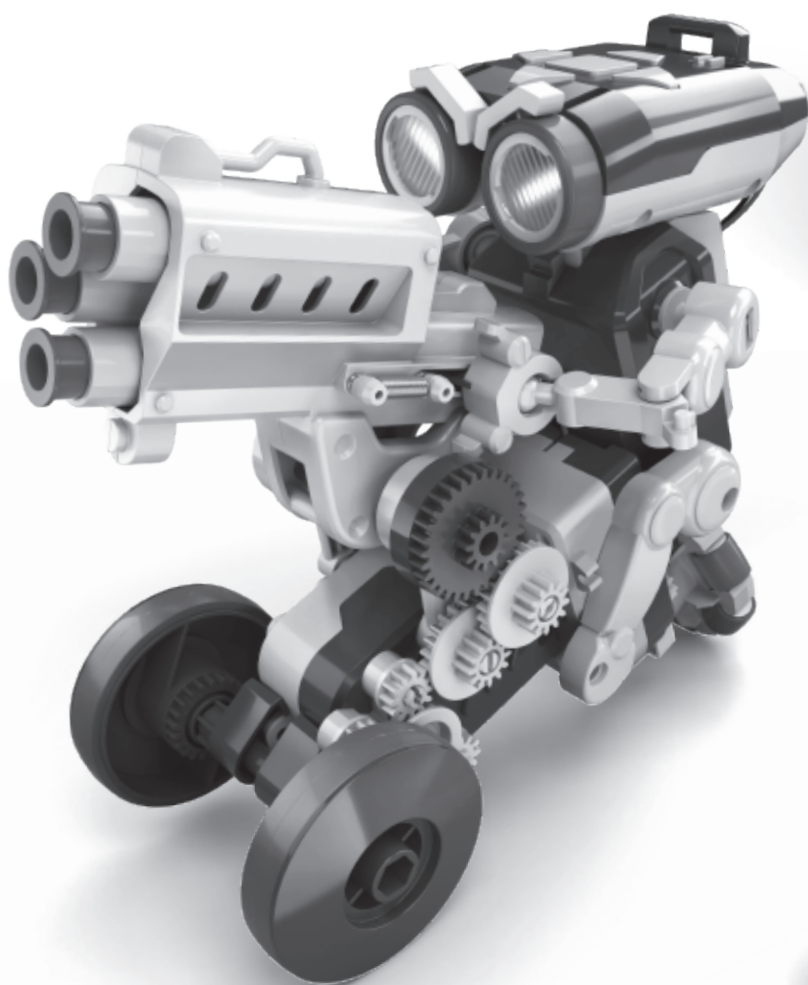


GE-897

Pro'sKit®



3合1按键编程机器人



Assembly & Instruction
Manual
组装说明手册

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3合1按键编程机器人

产品介绍

对于机器人只能走来走去感到无趣吗?编程一定要用计算机吗?编程是不是都很难?3合1按键编程机器人以简单、直观的方式解决以上烦恼!藉由头部的五个按键,大、小朋友们就能轻易地设计出机器人的动作—前进、后退、向左、向右、旋转等,即便是初学者也能轻易上手!模型组装结构,让您搭建出不同的机器人造型做出丰富的动作,善用您的创造力、观察力、逻辑能力,做出你的狙击神射手、创意小画家和扫地机器人吧!

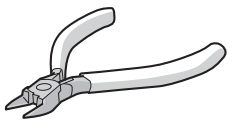


警告

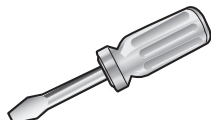
- 1.本玩具内含小物件,请勿让三岁以下孩童取得,以免放入口中造成窒息。
- 2.儿童使用剪切工具时,请家长指导使用方式,并请在家长监督下使用,以免发生意外。
- 3.为避免婴儿或儿童产生窒息的危险,请于拆卸后立即将塑料袋销毁或远离婴儿及儿童。

自备工具

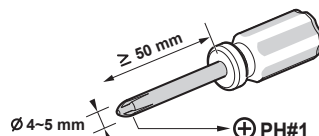
建议尺寸



斜口钳



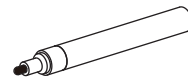
⊖ 一字螺丝刀



⊕ 十字螺丝刀



尺



麦克笔(细体)

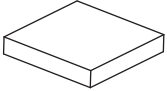
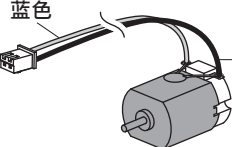
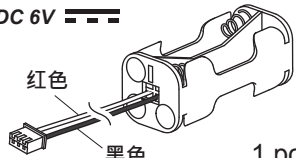
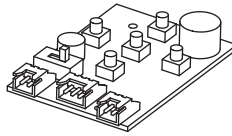


AAA电池 x 4

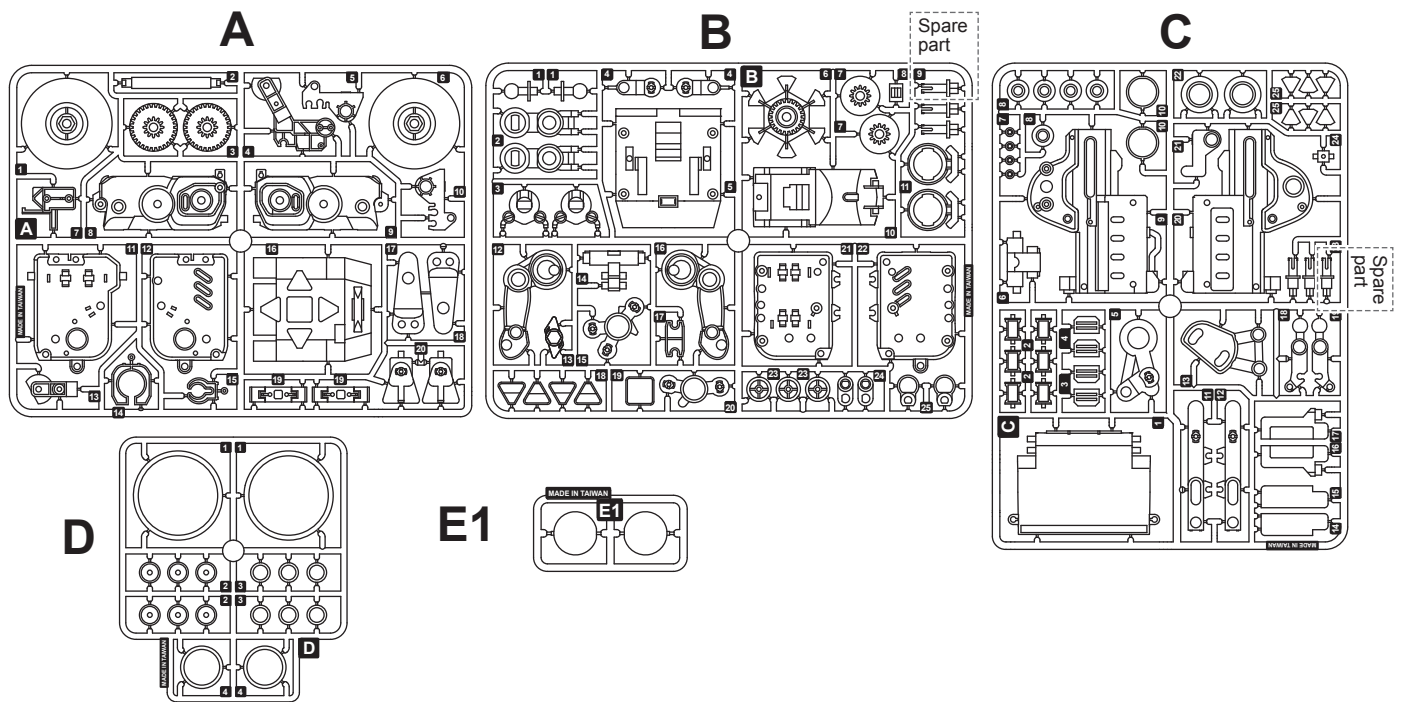
请使用碱性电池(出货不含)

零件清单

❗ 部分零件含有锐利的边缘及尖角,组装时请注意

P1	小齿轮(白色)	P2	齿轮(白色)	P3	齿轮(灰色)	P4	齿轮(黄色)
	 2 pcs		 2 pcs		 2 pcs		 4 pcs
P5	齿轮(桔色)	P6	出力齿轮(灰色)	P7	六角轴	P8	圆轴
	 2 pcs		 2 pcs		 1:1 2 pcs		 1:1 2 pcs
P9	自攻螺丝	P10	自攻螺丝	P11	弹簧		
	 1:1 8 pcs		 1:1 16 pcs		 2 pcs		
P12	小铁球	P13	泡棉贴(大)	P14	泡棉贴(小)		
	 1 pc		 2 pcs		 2 pcs		
P15	马达端子组	P16	电池座	P17	电路板	P18	垫片
	 2 pcs		 1 pc		 1 pc		 1 pc

! 请依照组装步骤将所需的零件剪下，以免组装时造成零件混淆



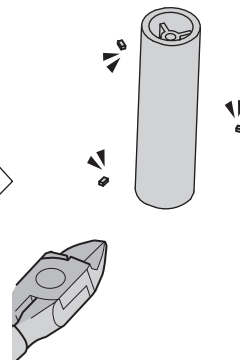
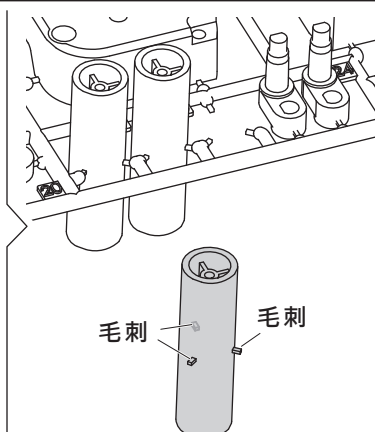
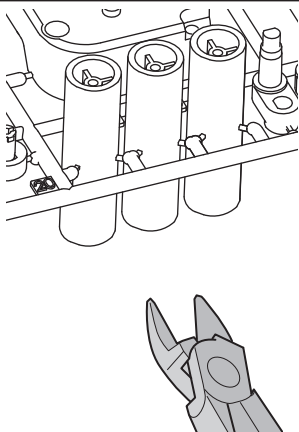
务必注意



小技巧提醒

在开始组装前，请仔细阅读以下说明

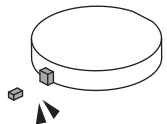
去除毛刺



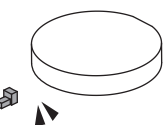
零件剪下时请将毛刺剪切干净，以免产生间隙导致运作不良



正确



错误



请勿过度剪切非毛刺的塑料零件，以免组装不确实，导致运作不良

紧固螺丝



请使用正确的螺丝刀头型(#1)，依照下面的步骤将螺丝锁紧

将螺丝刀头对准螺丝

- (1) 开始拧转
- (2) 锁固感越来越紧绷
- (3) 继续拧转

重复动作直到无法再拧动螺丝为止



请务必将螺丝确实锁紧至底



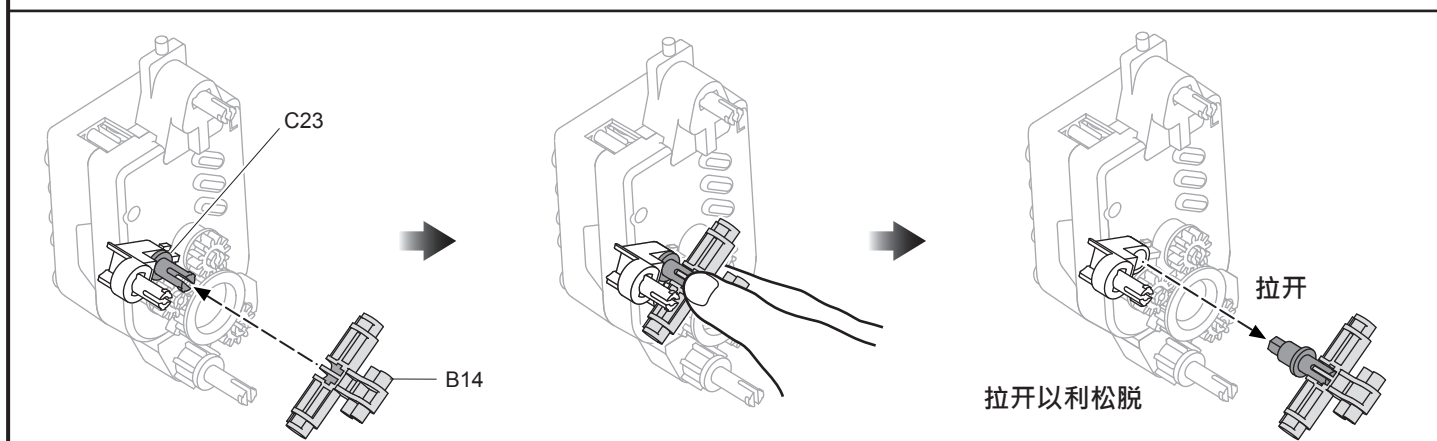
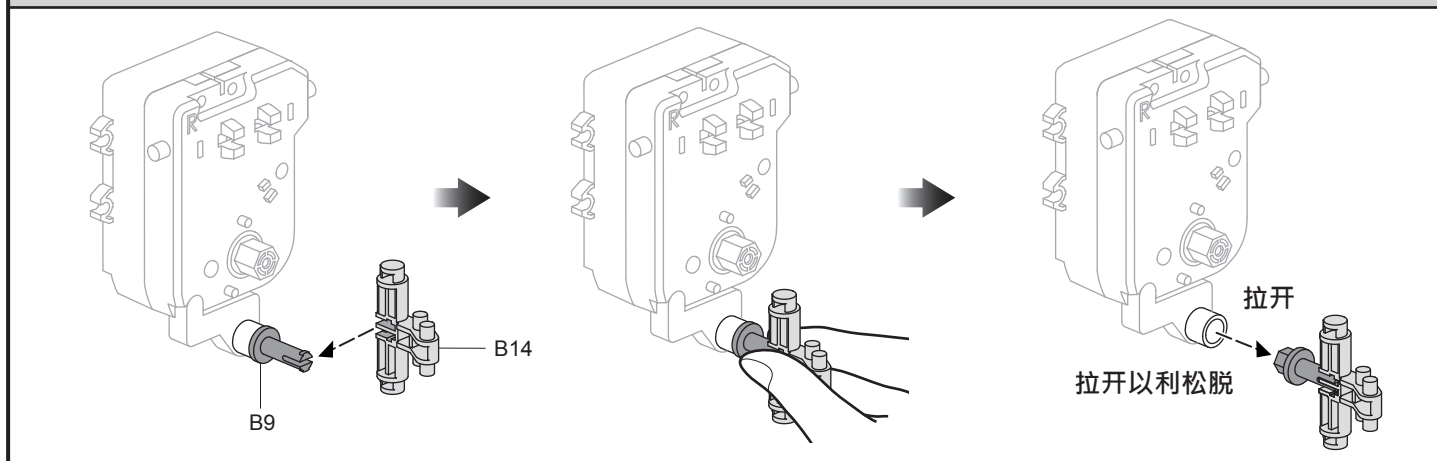
正确



错误

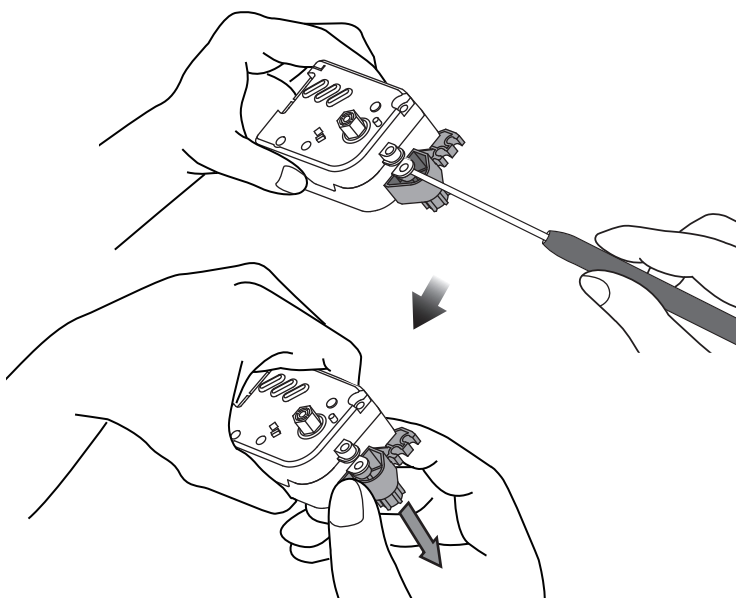


拆卸工具:使用B14卸下B9或C23(变形时才会用到)

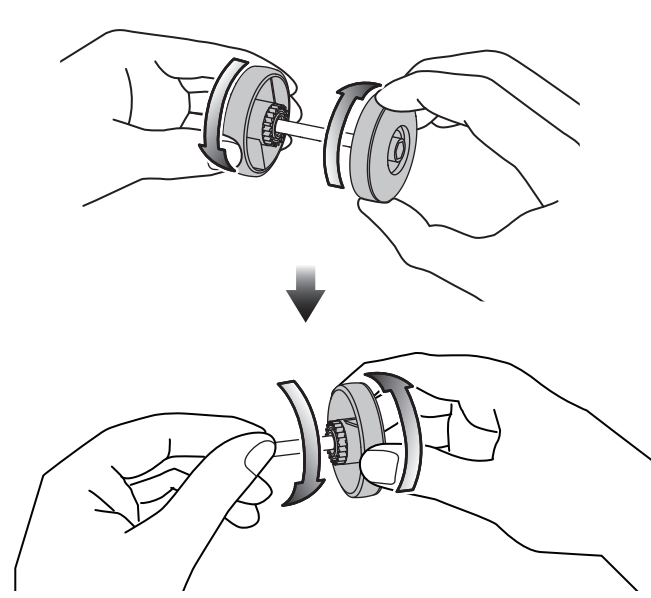


拆卸技巧

使用一字起子

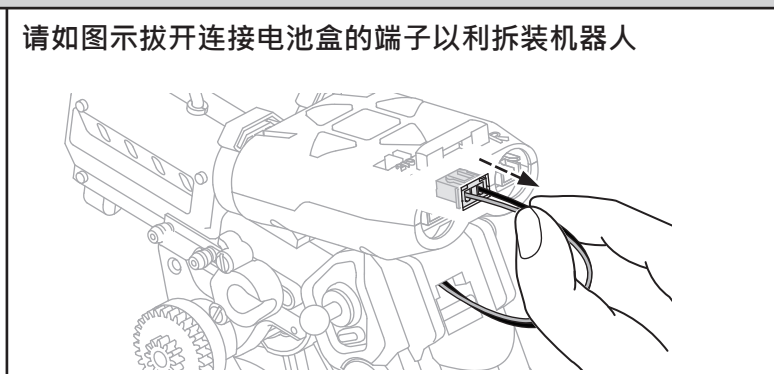
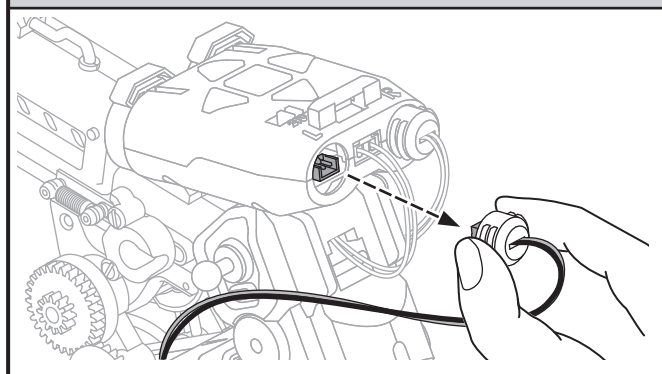


边扭转边拉开



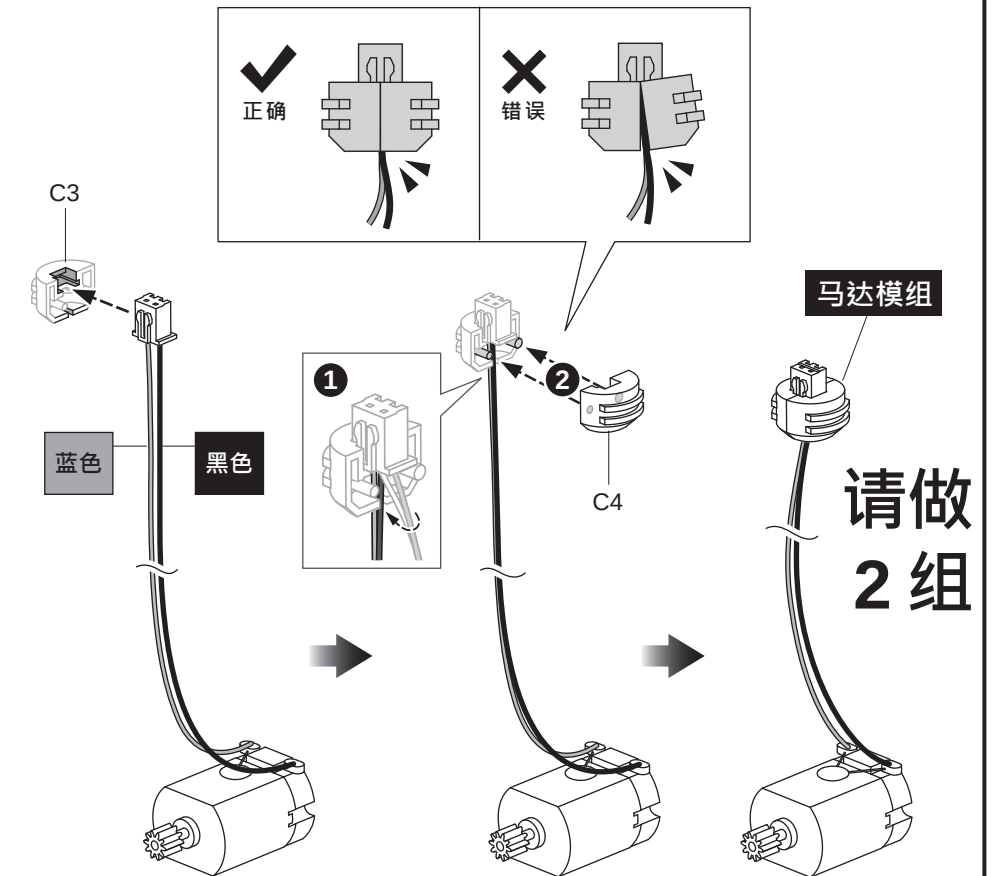
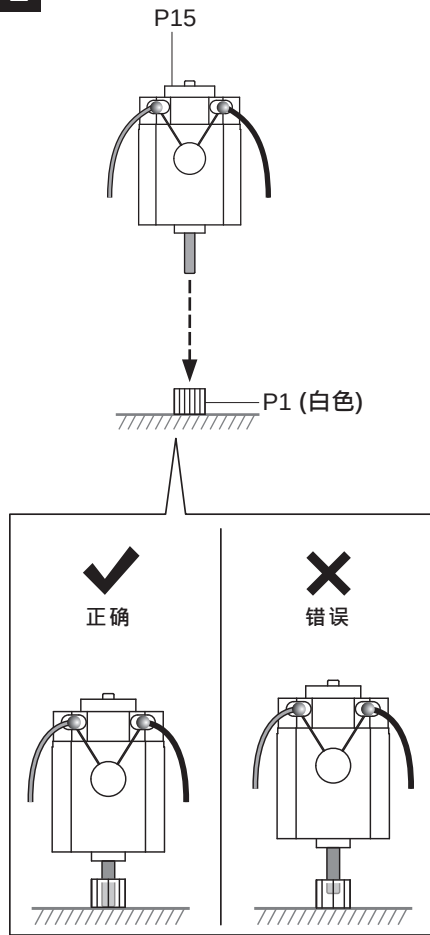
拔开端子

请如图示拔开连接电池盒的端子以利拆装机器人

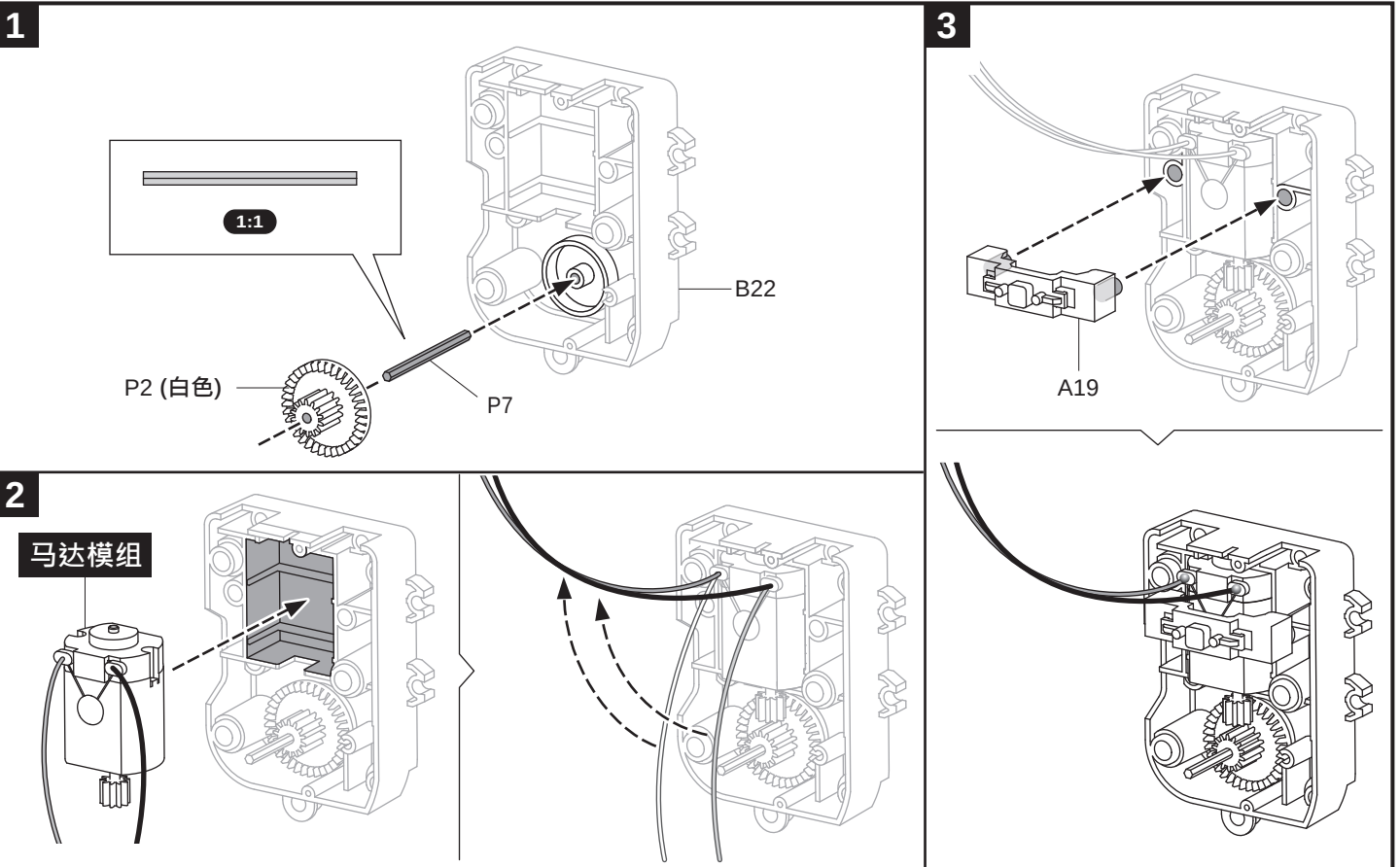


马达组装

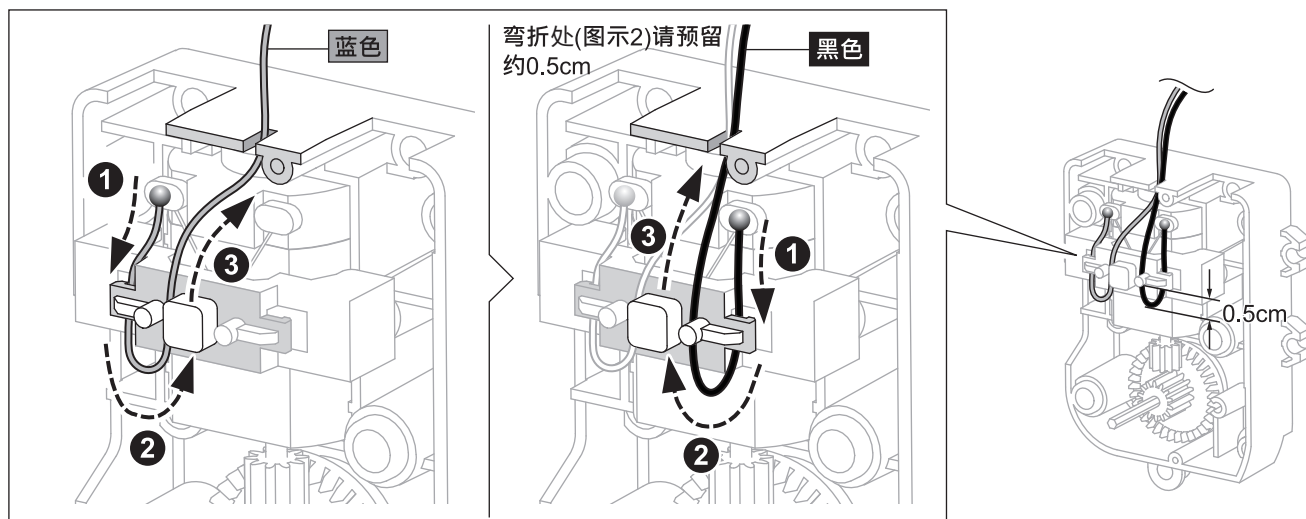
1 2 安装C3、C4时，请注意方向是否正确



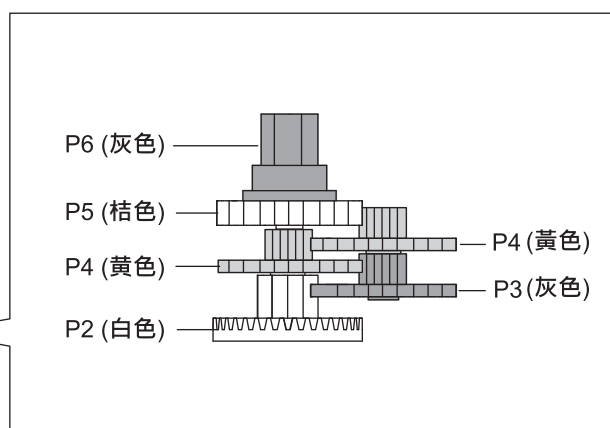
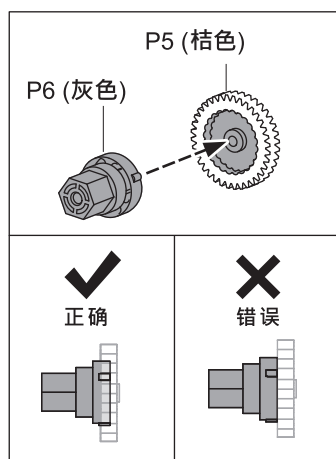
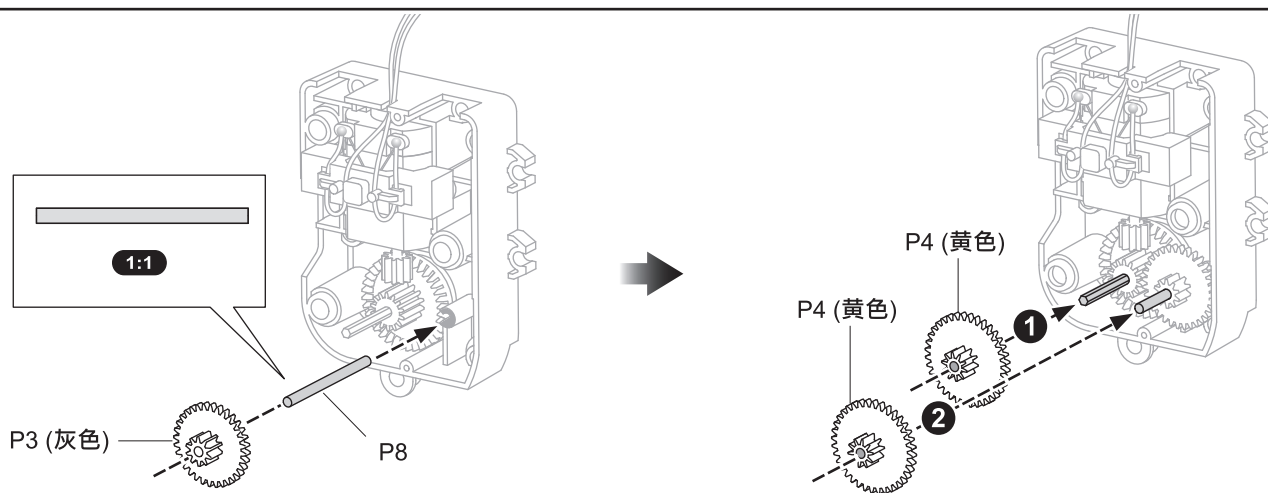
左齿轮箱组装



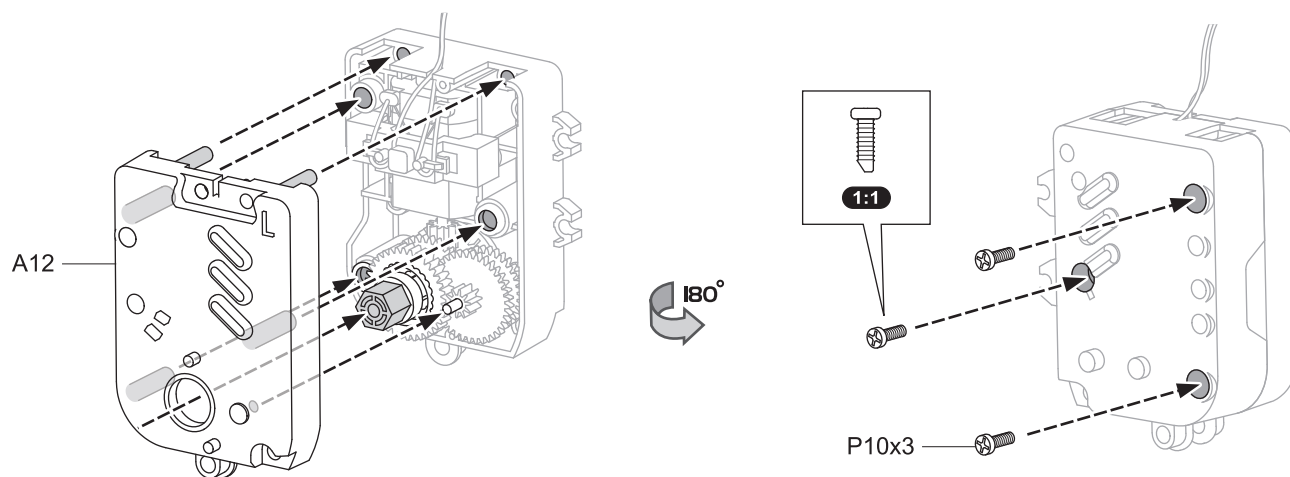
4

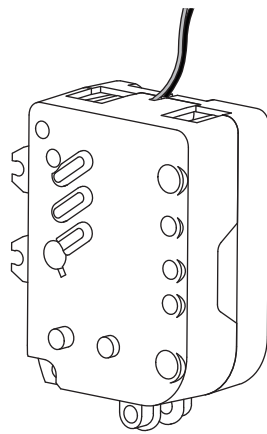


5



6

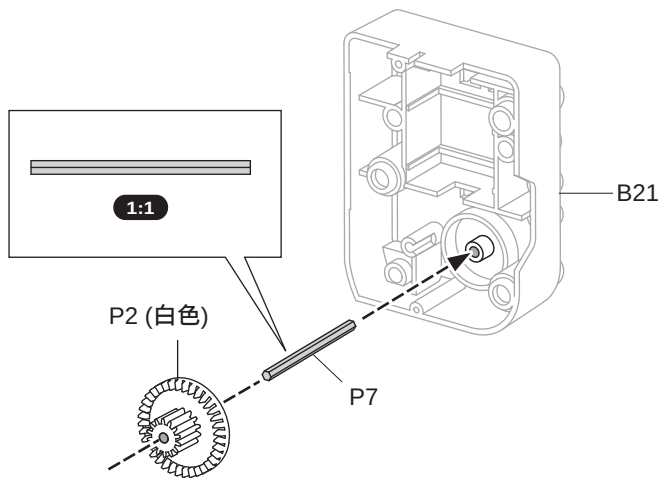




齿轮箱模组 左

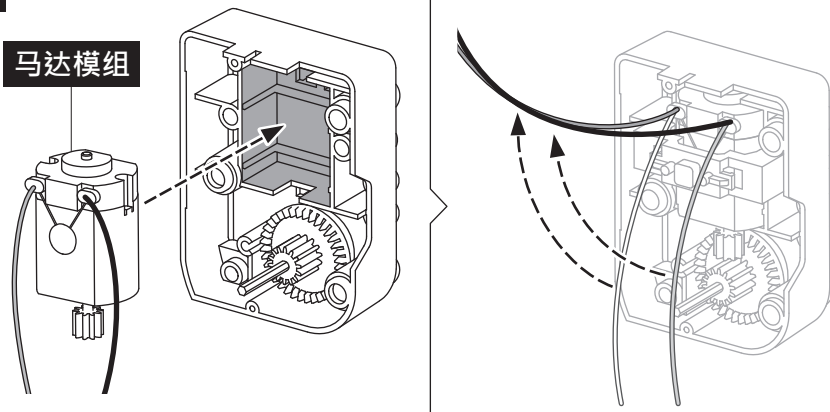
右齿轮箱组装

1

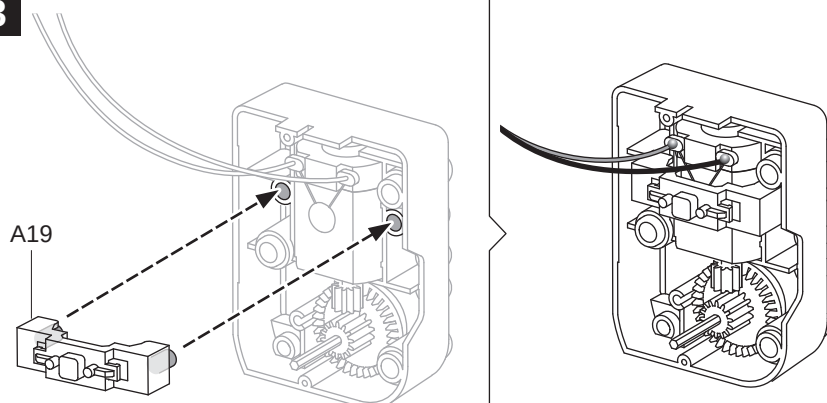


2

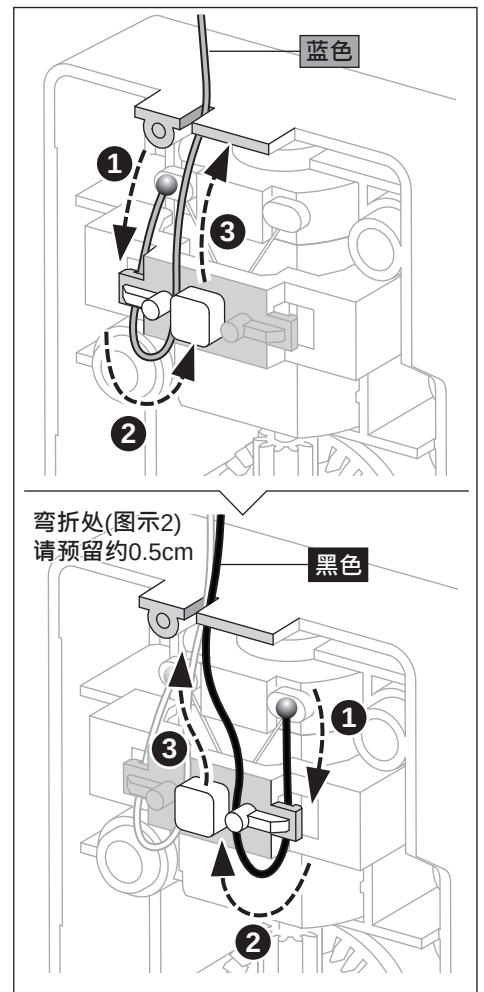
马达模组



3

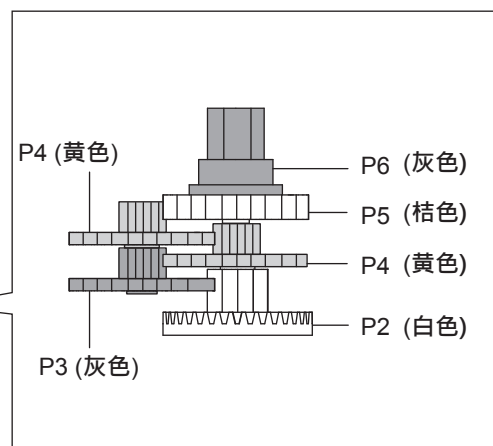
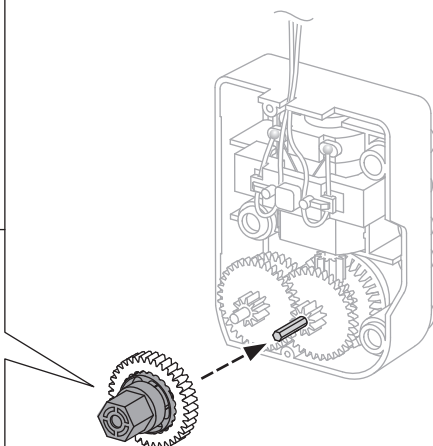
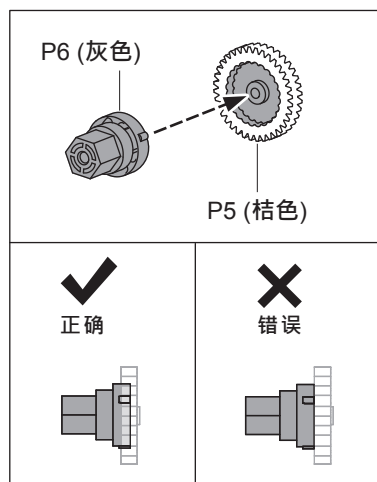
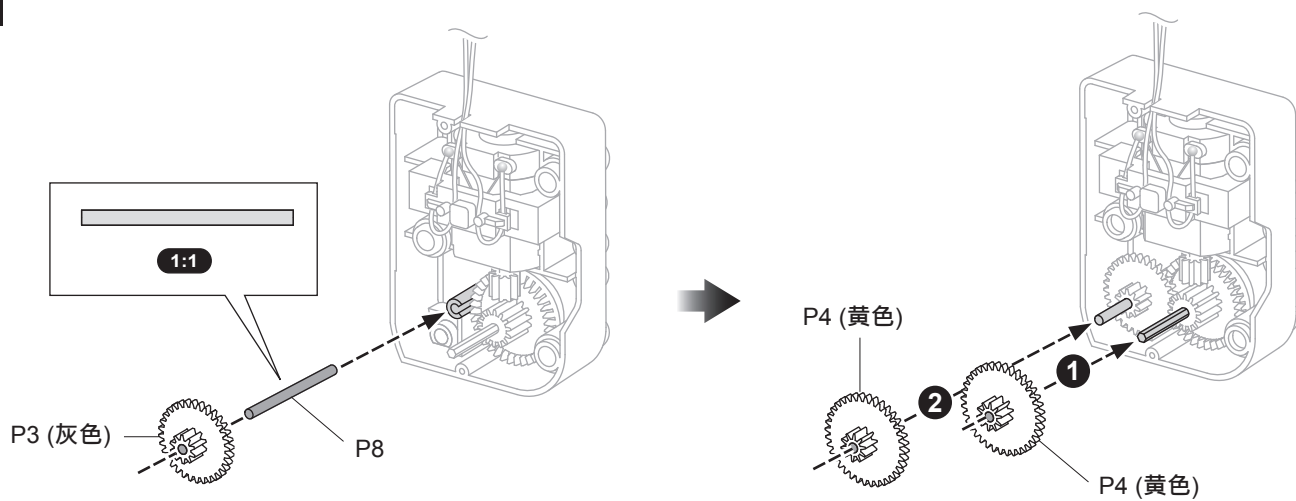


4

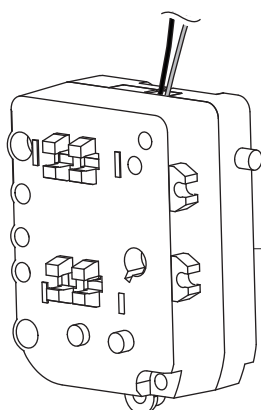
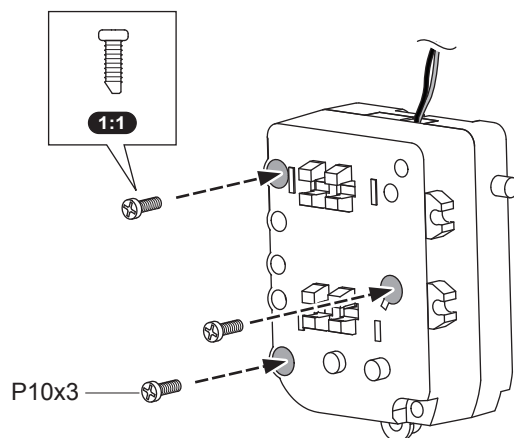
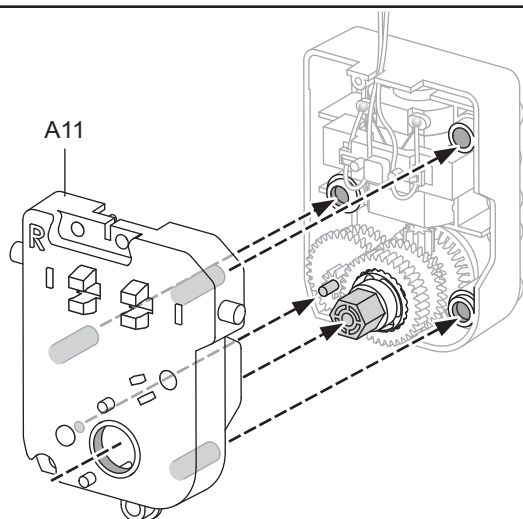


0.5cm

5



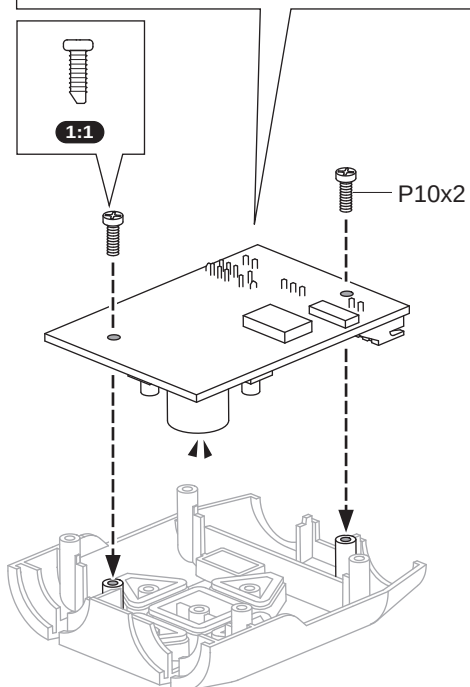
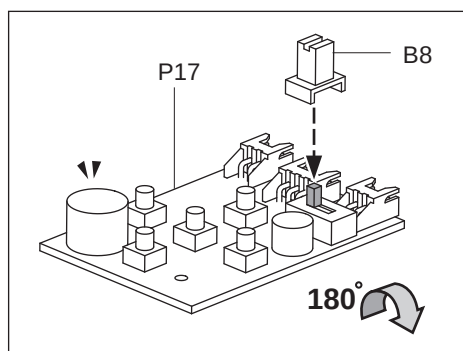
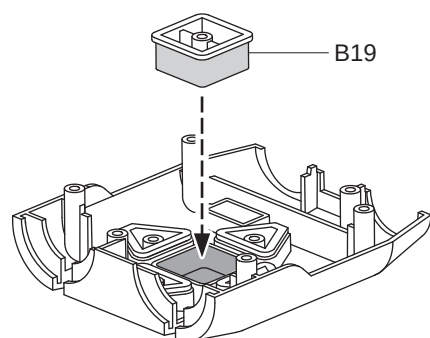
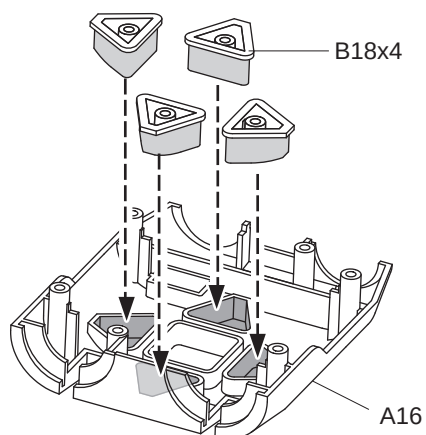
6



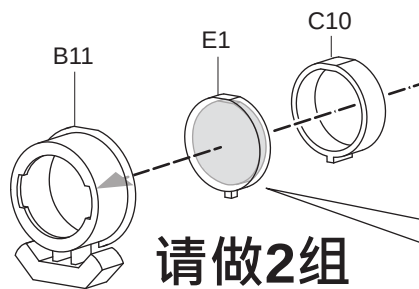
齿轮箱模组 右

按键组装

1 注意B18方向是否正确

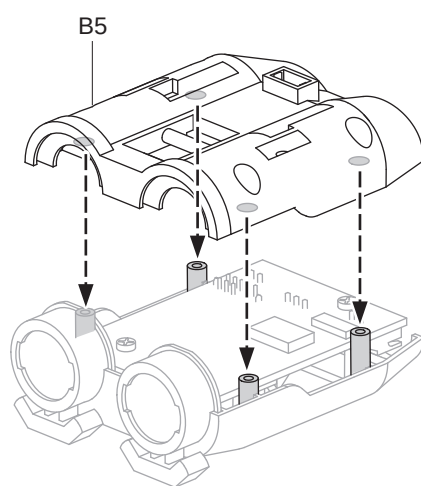
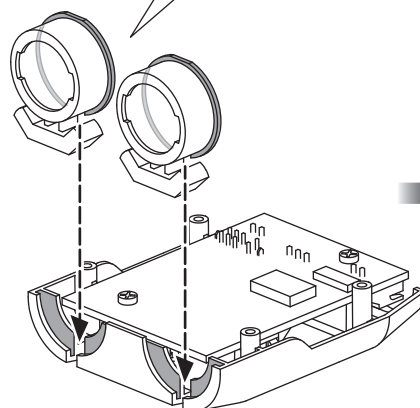


2

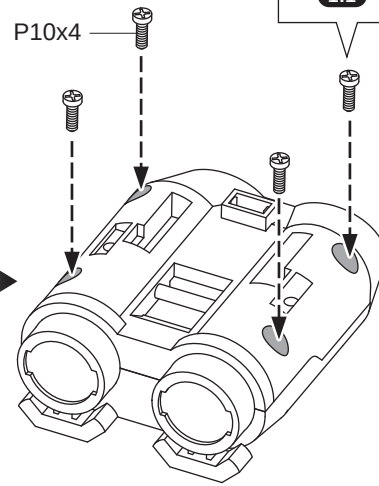


✓
正确

✗
错误

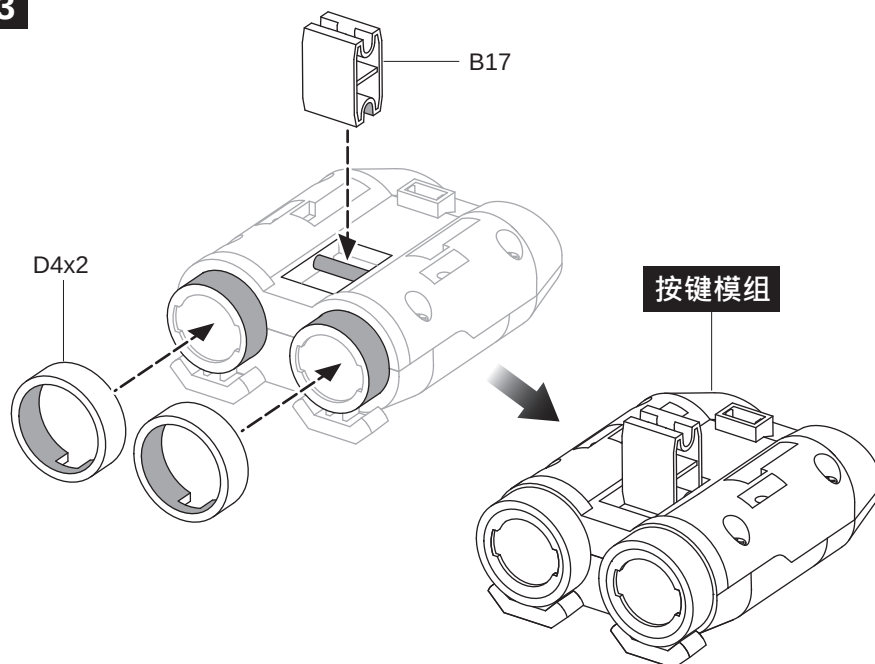


P10x4



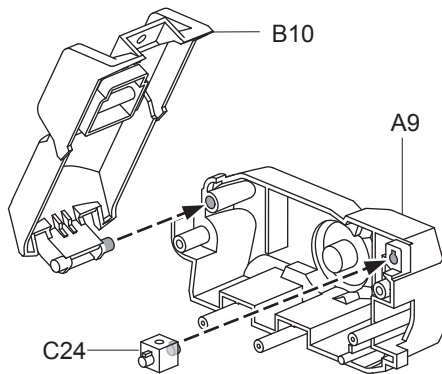
1:1

3

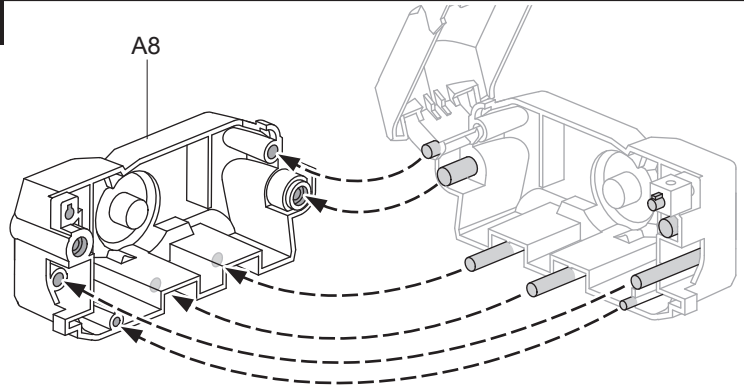


电池盒组装

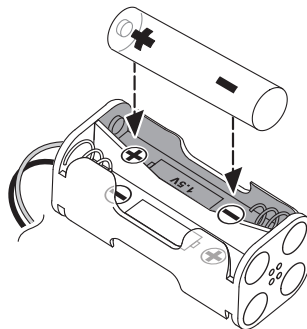
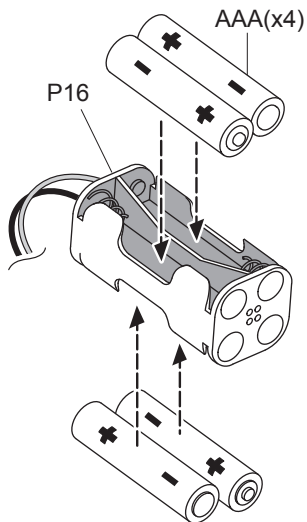
1



2

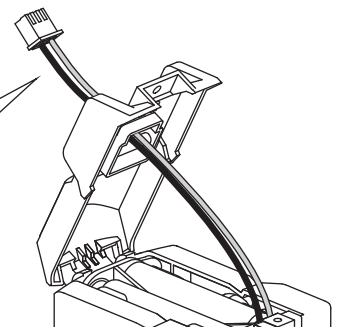
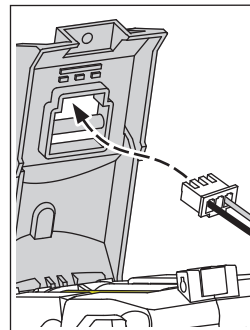
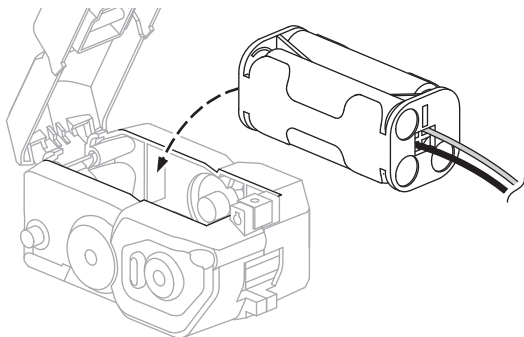


3



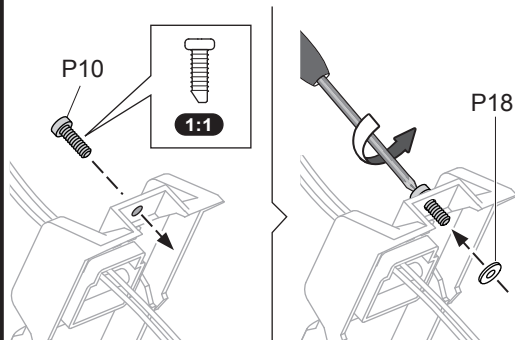
- 电池移除或更换应由成人或在成人监督下进行。
- 请避免电池或电池连接器端子短路。
- 电池长期不用或电力耗尽时请取出以避免电池漏液。
- 请勿混用新旧电池及不同厂牌、种类的电池，以免造成危险或电器损耗。
- 请勿混合碱性、碳锌电池或充电电池使用。
- 电池放入前请先确认正确正负极性方向。
- 请勿试图对非充电电池进行充电。
- 充电电池应在成人监督下进行充电。
- 本产品不能连接多于一个电源。
- 充电电池在充电前应从玩具中取出。

4

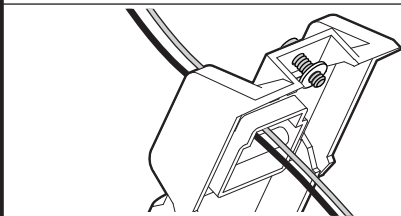


5

! 在组装过程中如有任何困难，请父母偕同帮忙

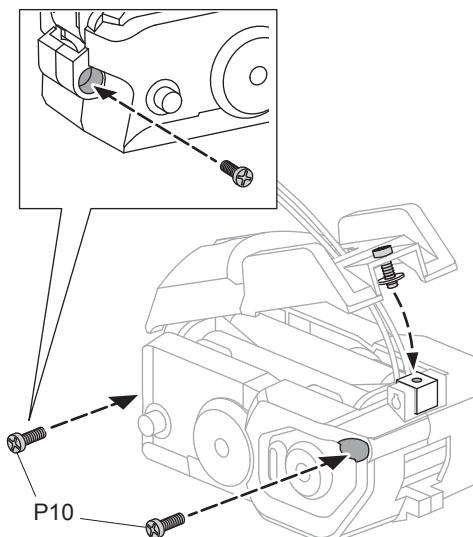


P18

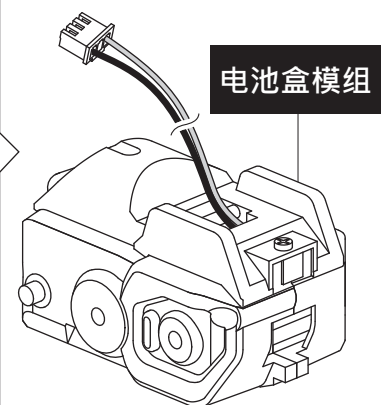


请先将垫片套于螺丝尖端，转动起子将垫片锁入如图所示之大约位置即可

6



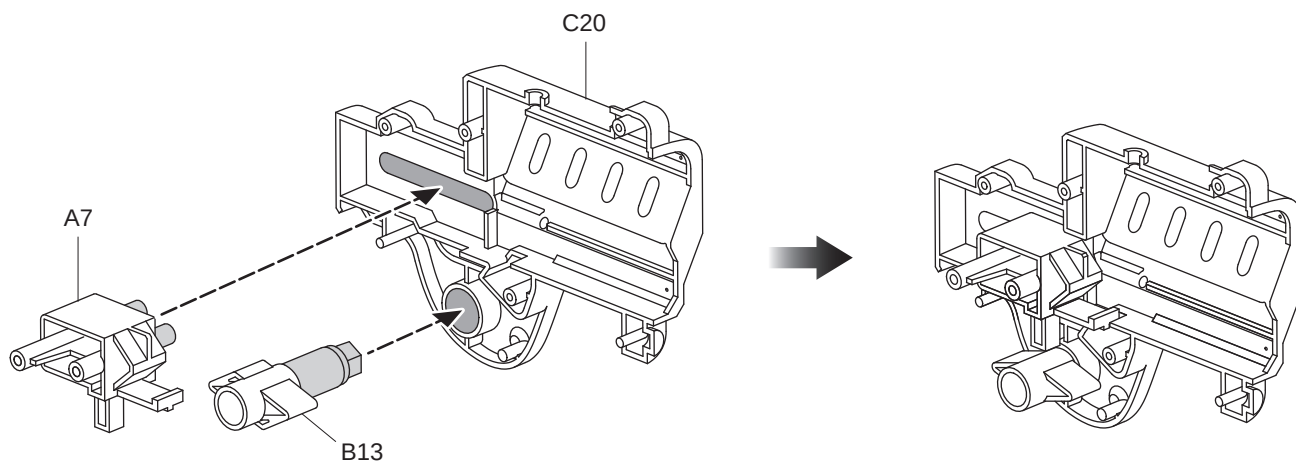
P10



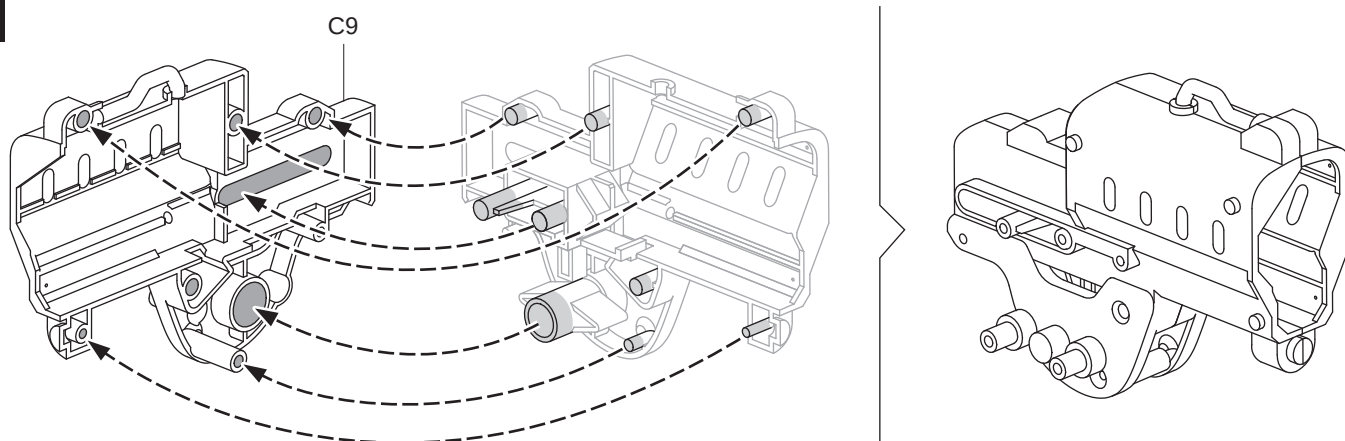
电池盒模组

狙击枪组装

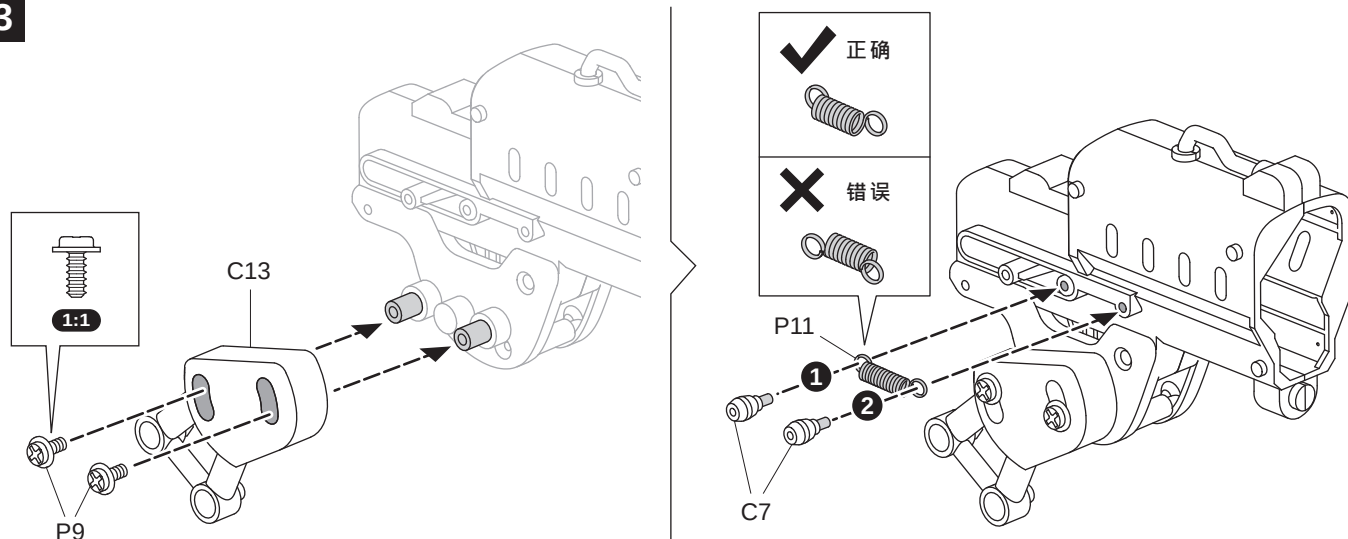
1



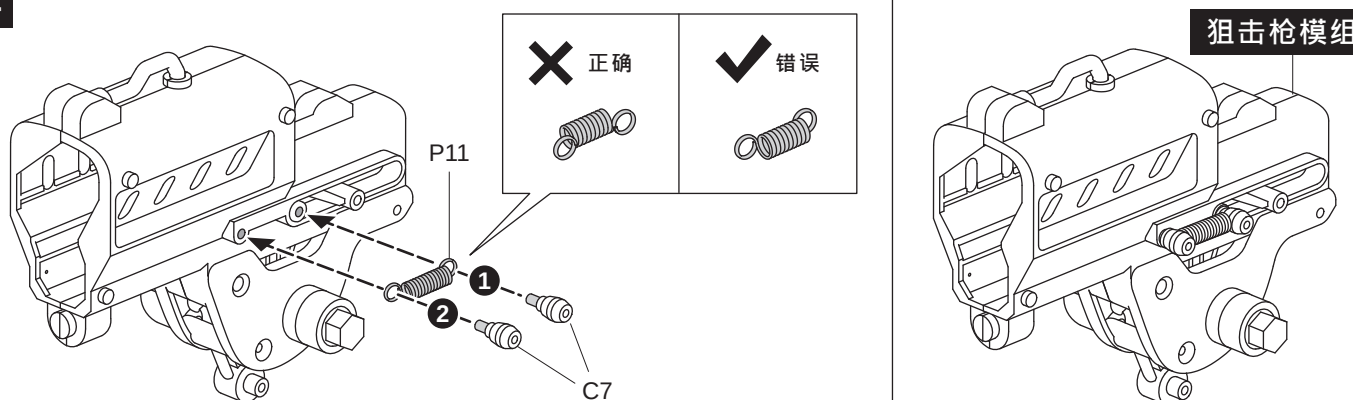
2



3

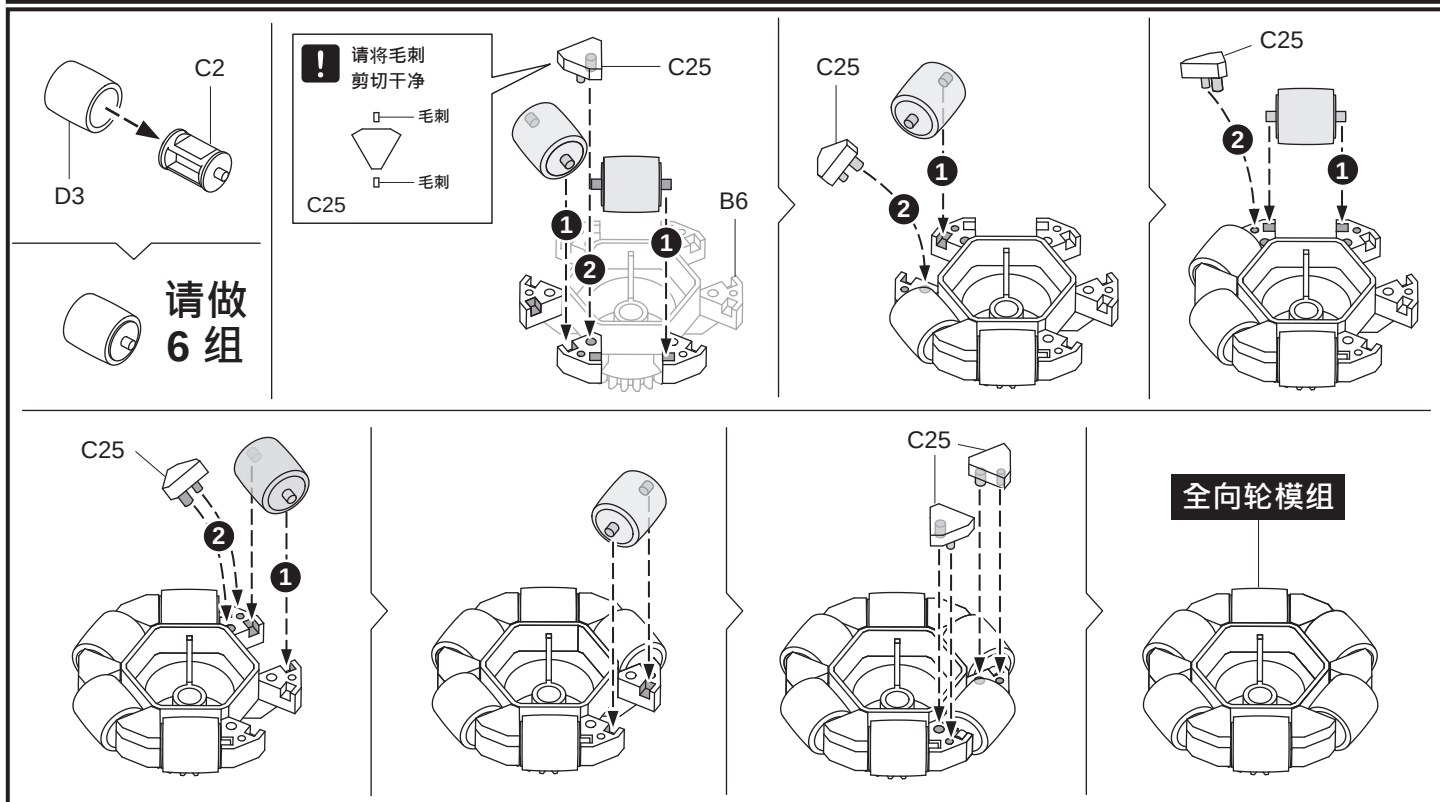


4

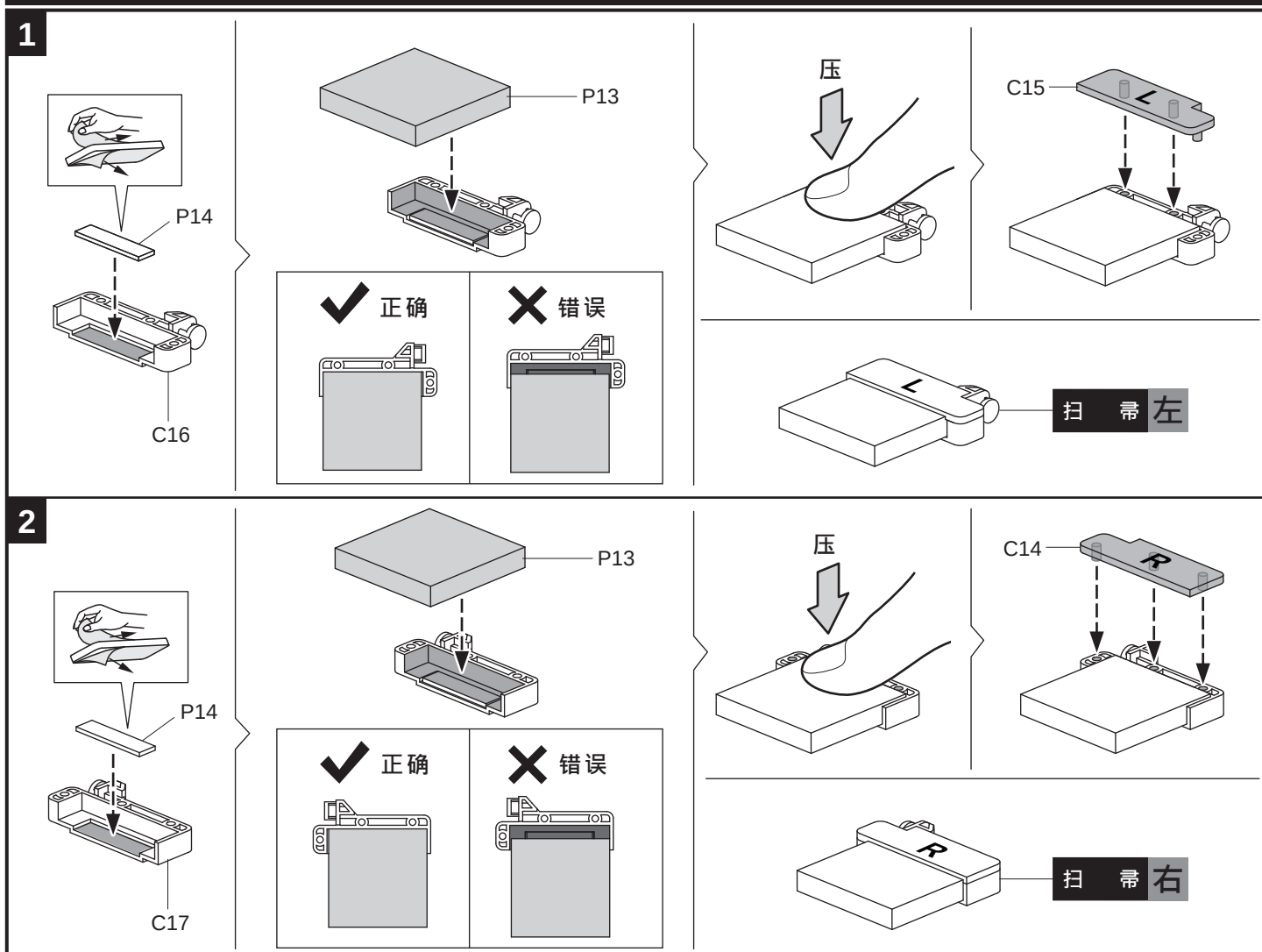


狙击枪模组

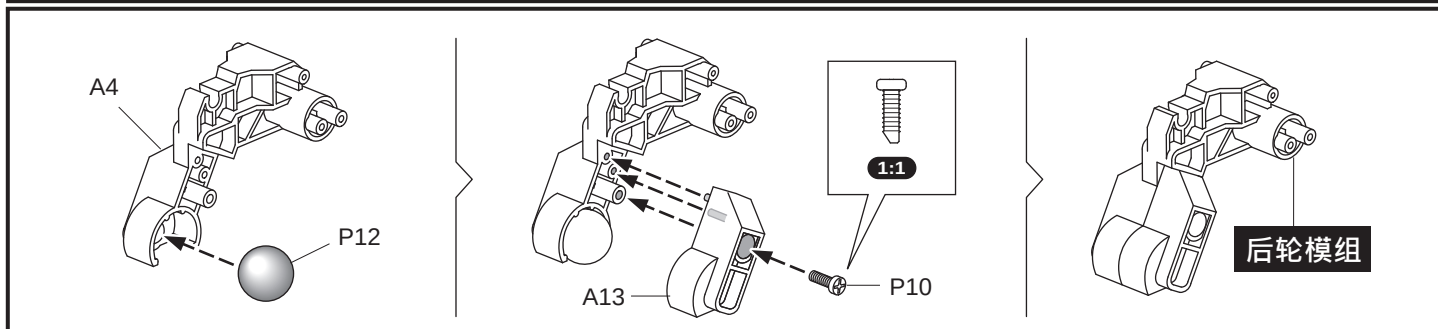
全向轮组装



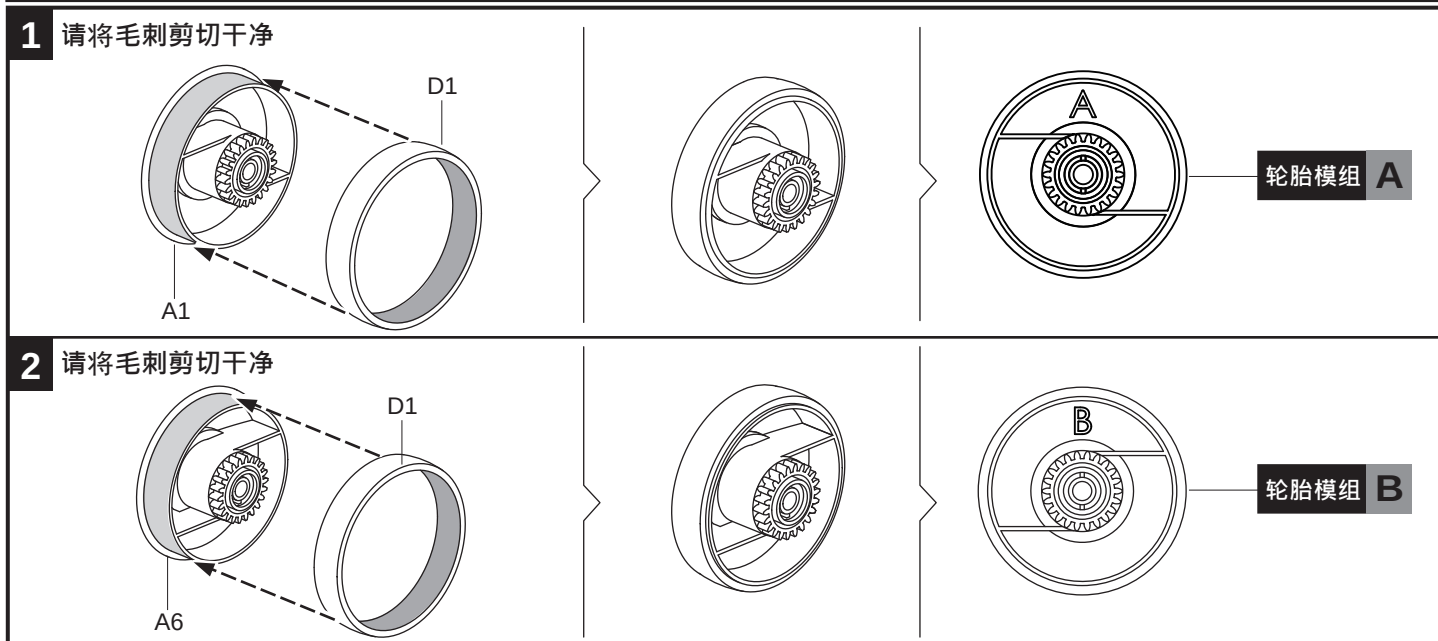
扫帚组装



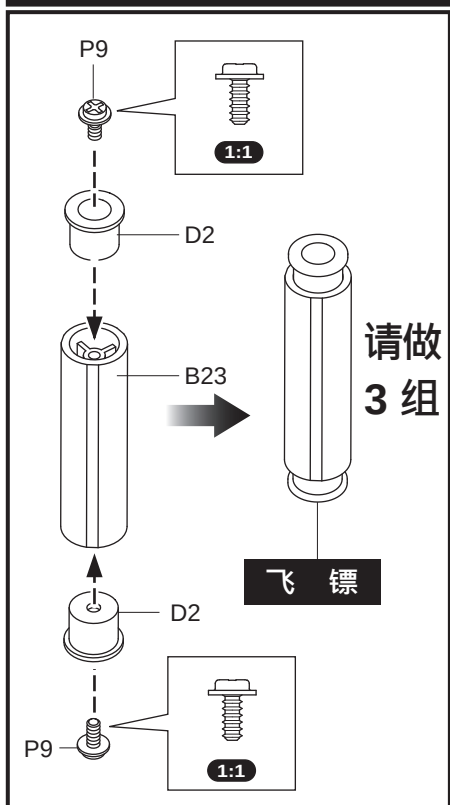
后轮组装



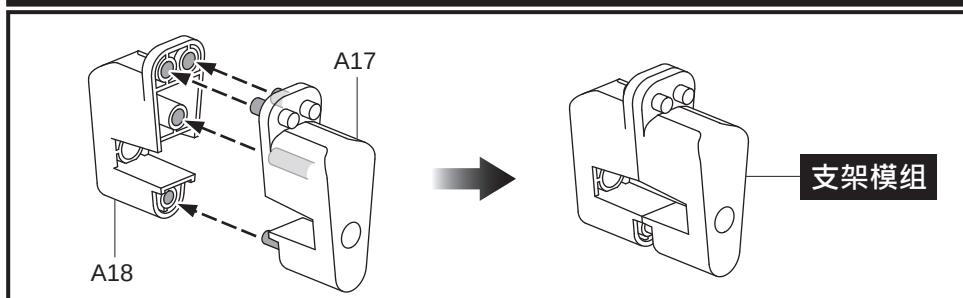
轮胎组装



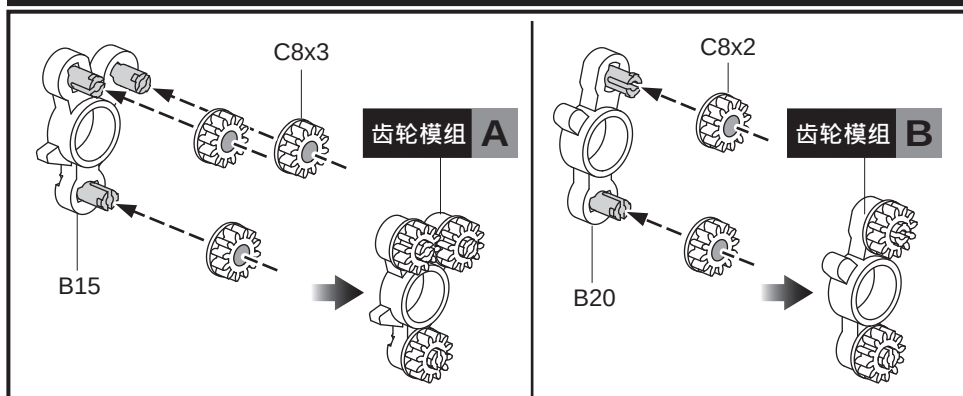
飞镖组装



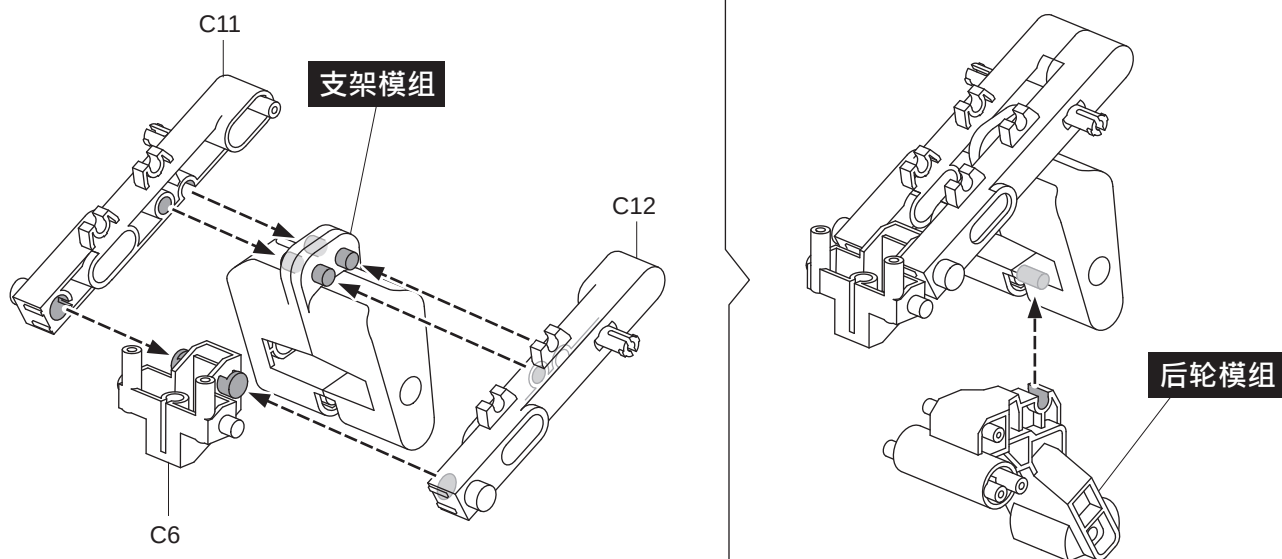
支架组装



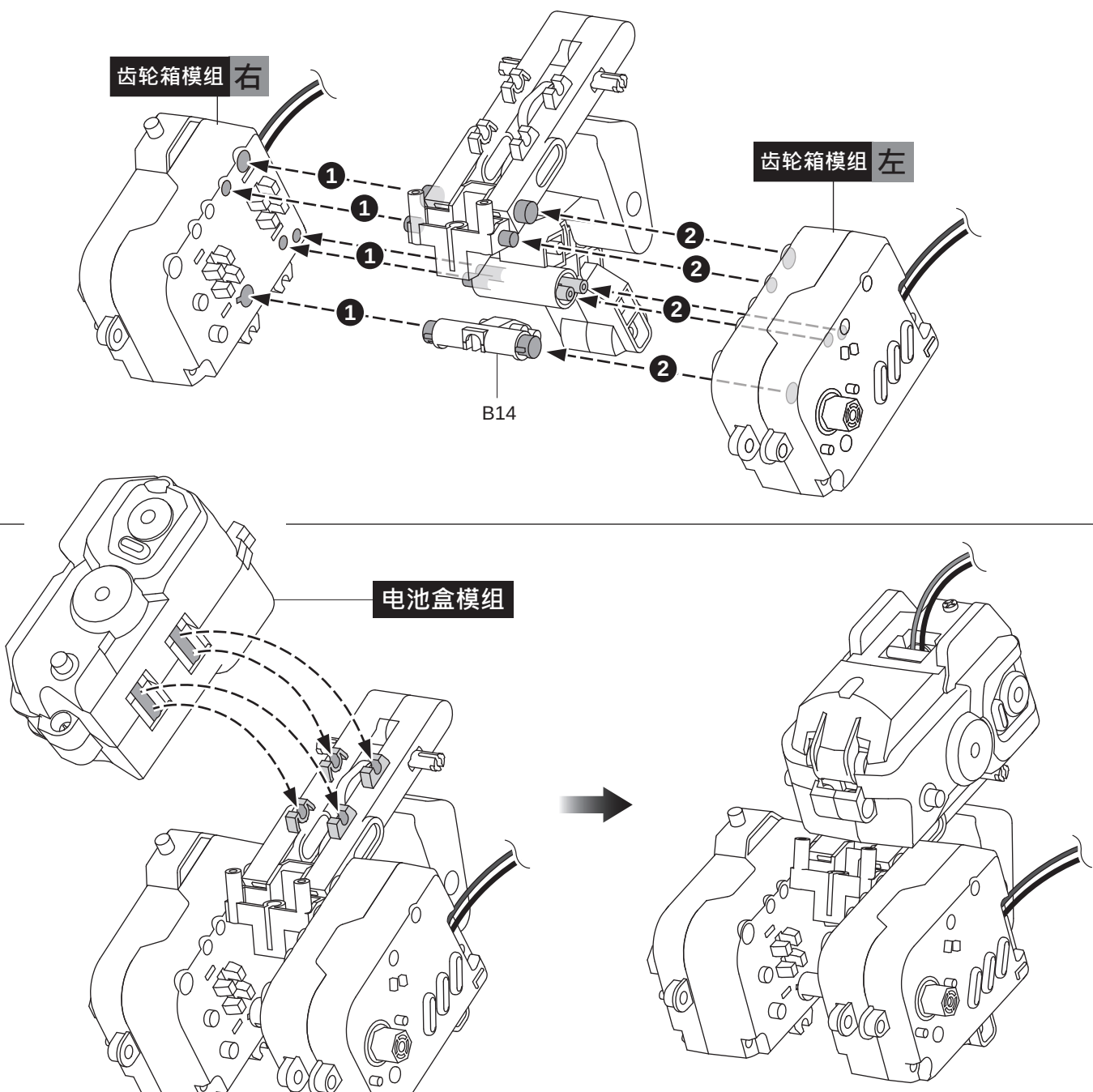
齿轮组装(A&B)



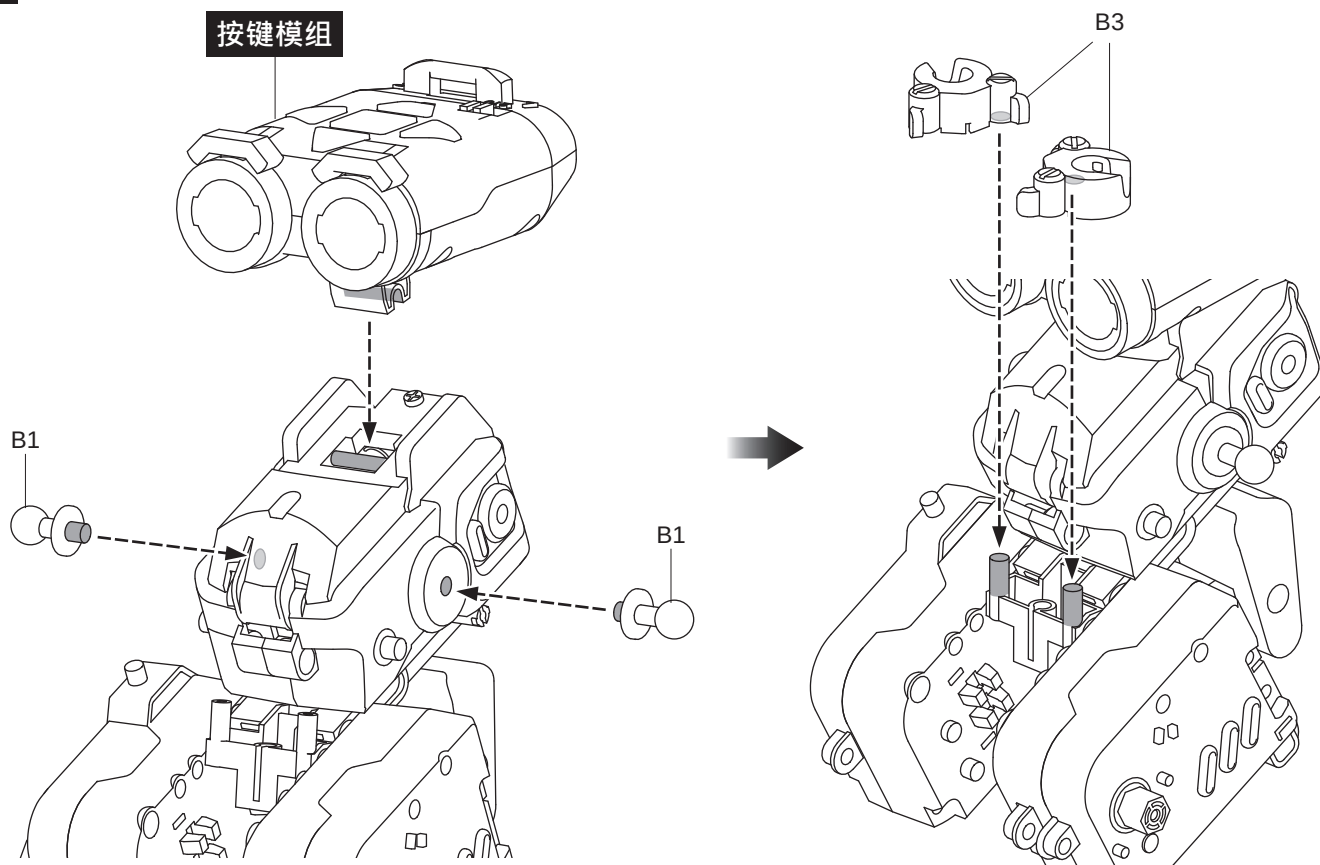
1



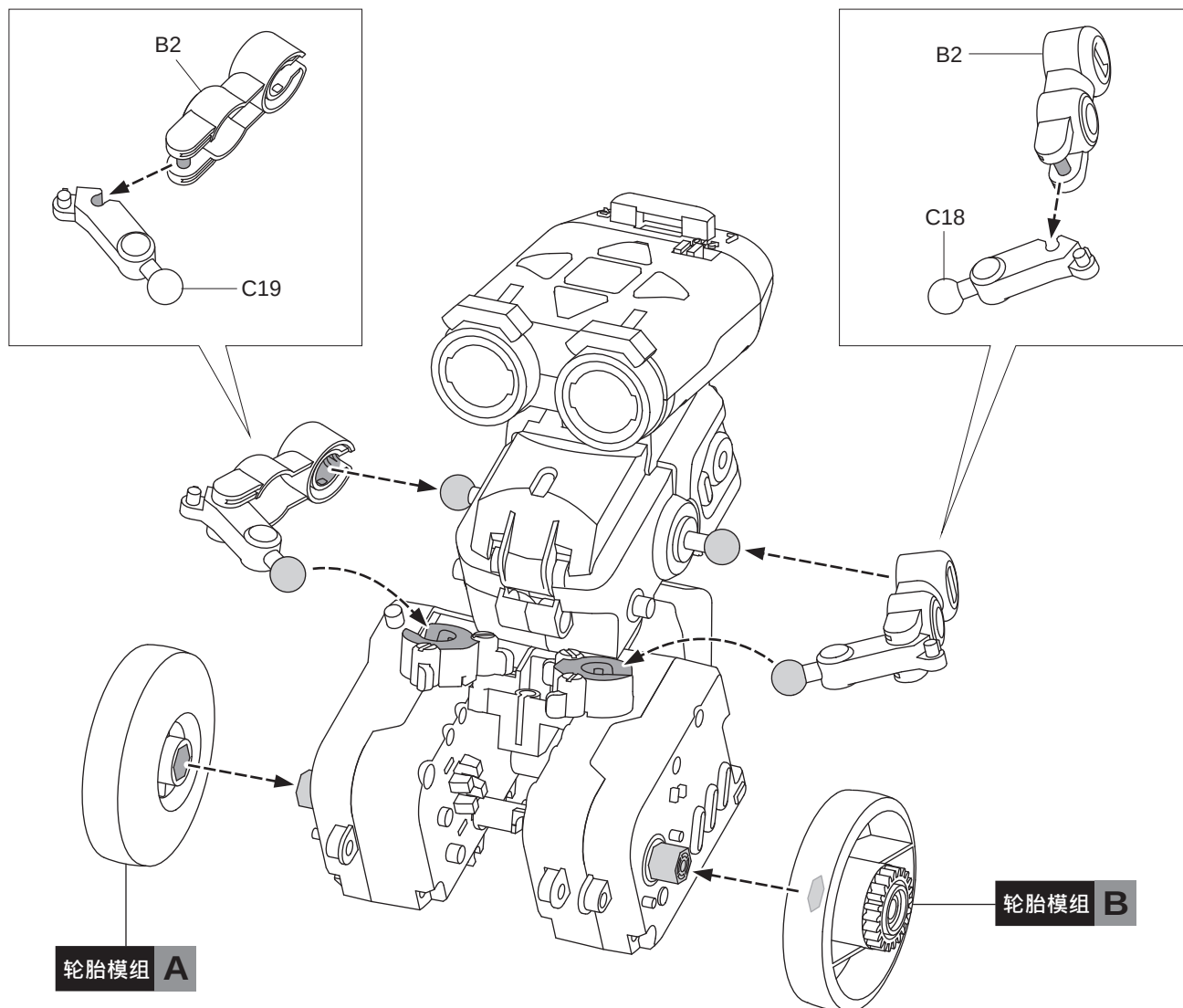
2



3

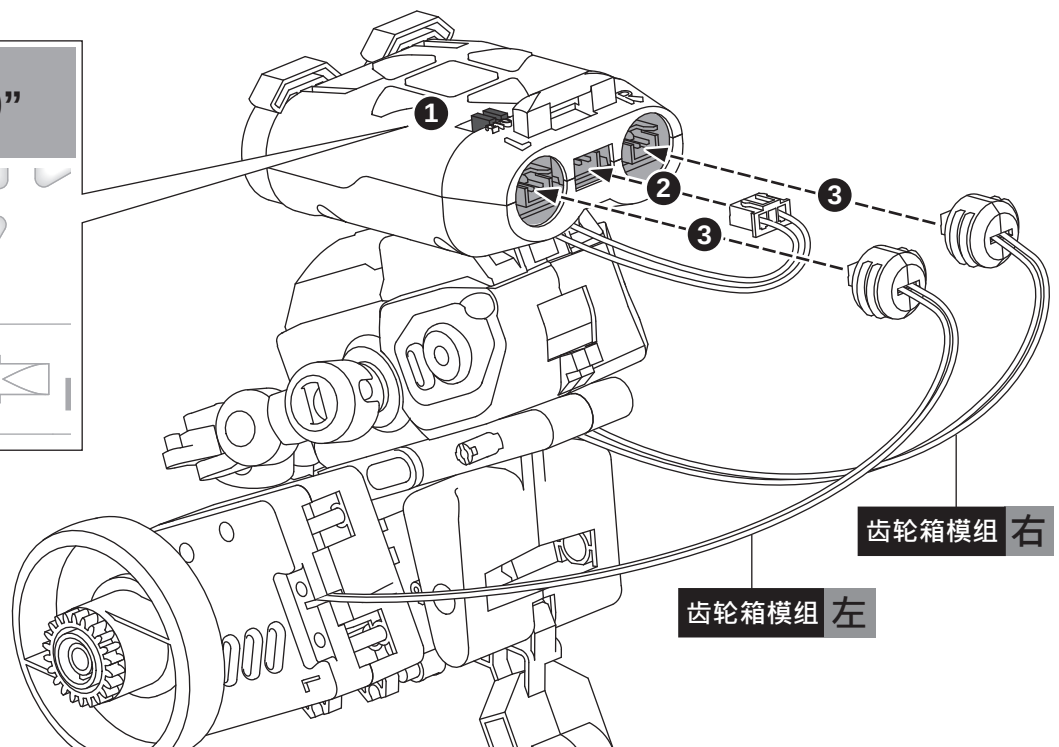


4

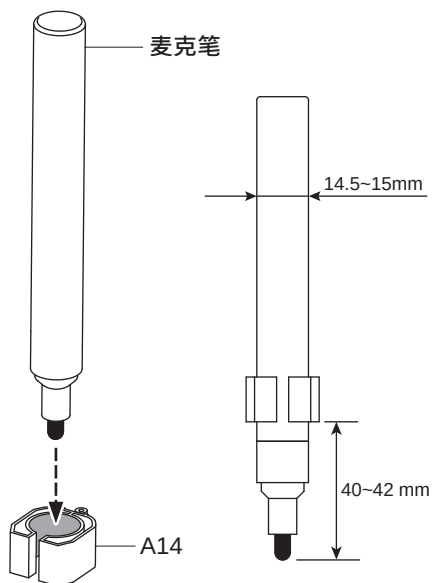


5

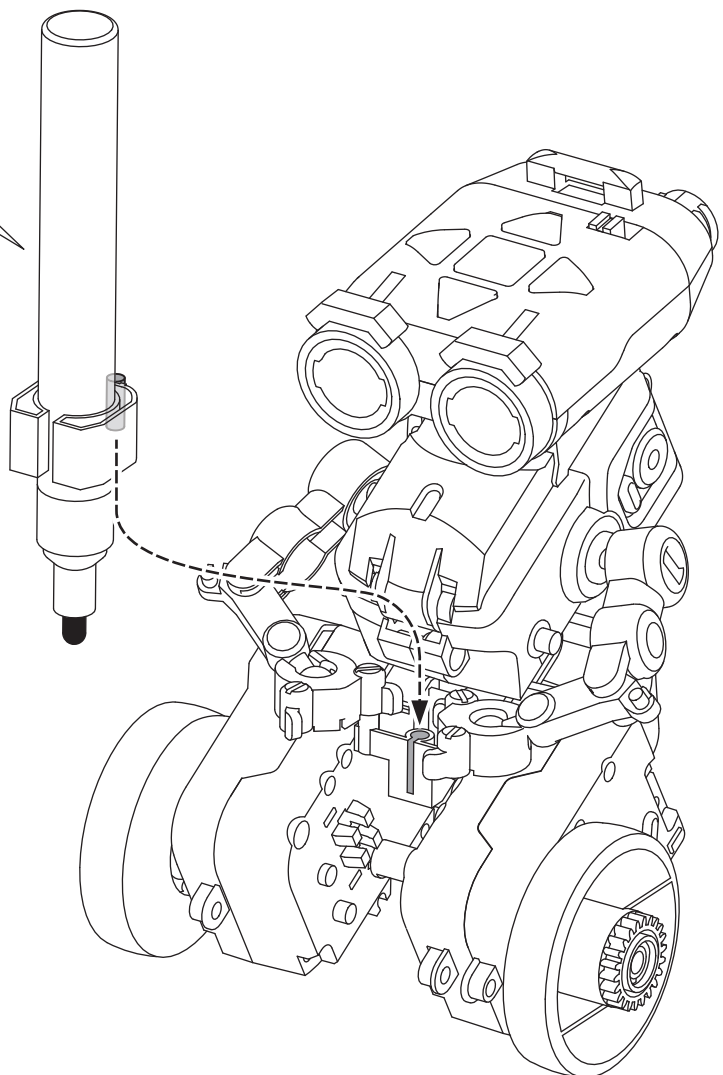
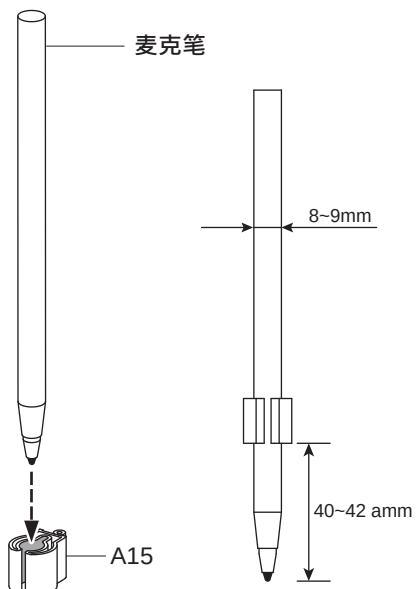
切换到档位“0”



6

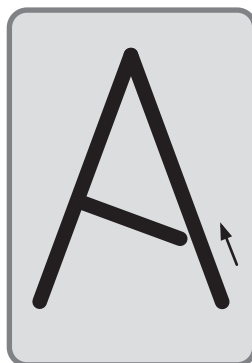


或



范例 01

切 换 至 档 位 1

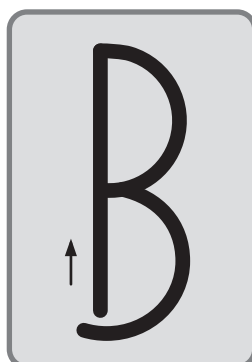


 前 进	 原 地 左 旋	 前 进	 后 退	 原 地 左 旋	 前 进	完 成	出 发
 x3	 x7	 x3	 x1	 x6	 x2	 x1	 x1

重 置

长按中央键3秒以重置系统开始新的编程

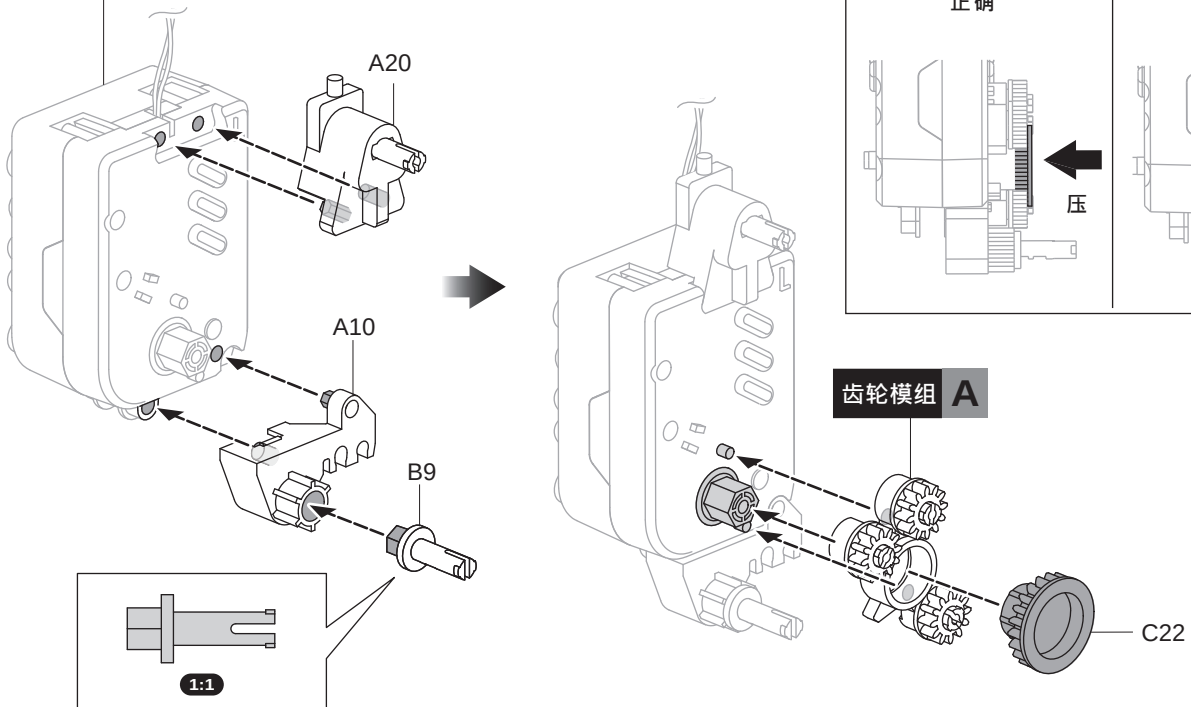
范例 02



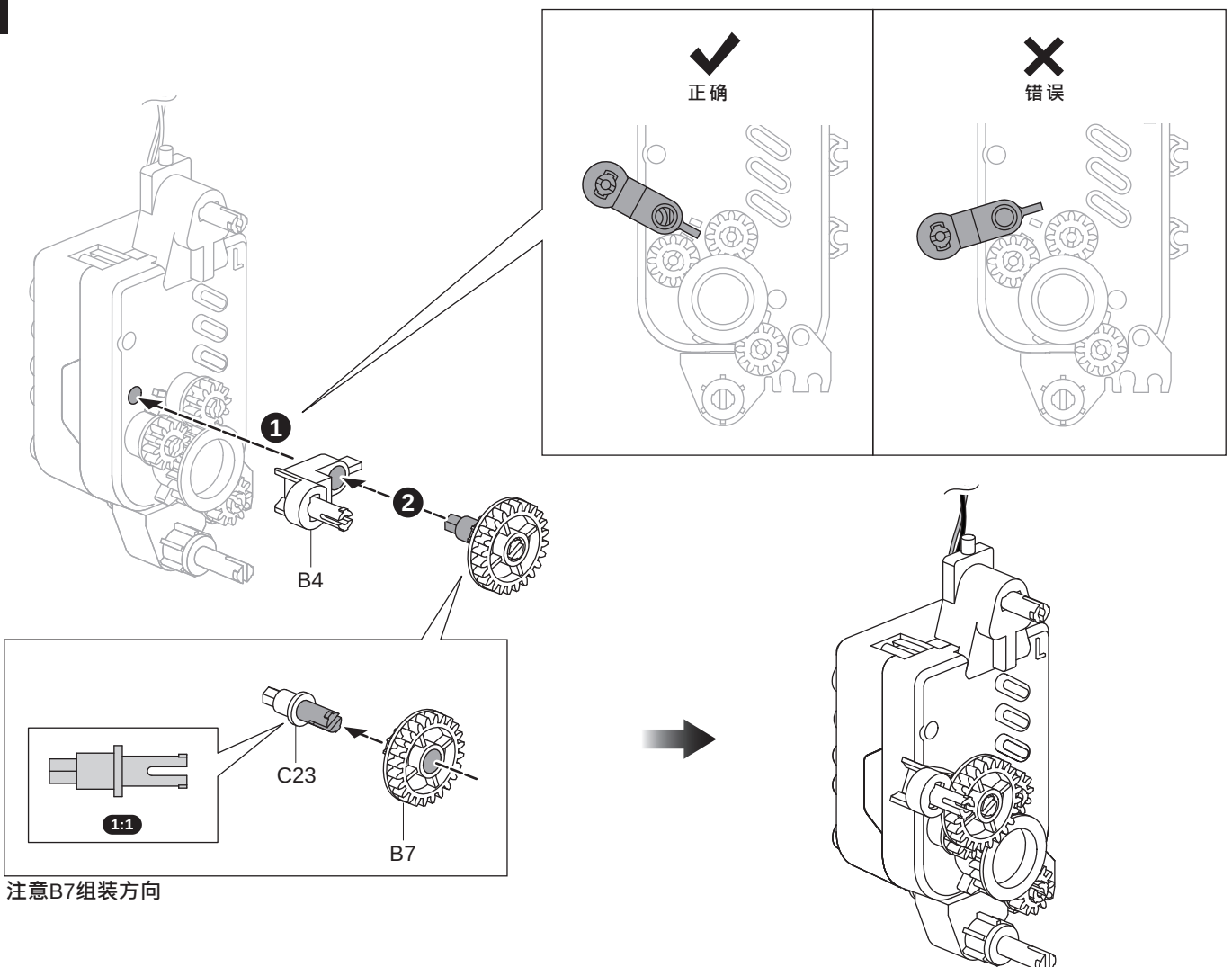
 前 进	 原 地 右 旋	 向 右 前 转	 原 地 左 旋	 向 左 后 转	完 成	出 发
 x2	 x3	 x13	 x1	 x15	 x1	 x1

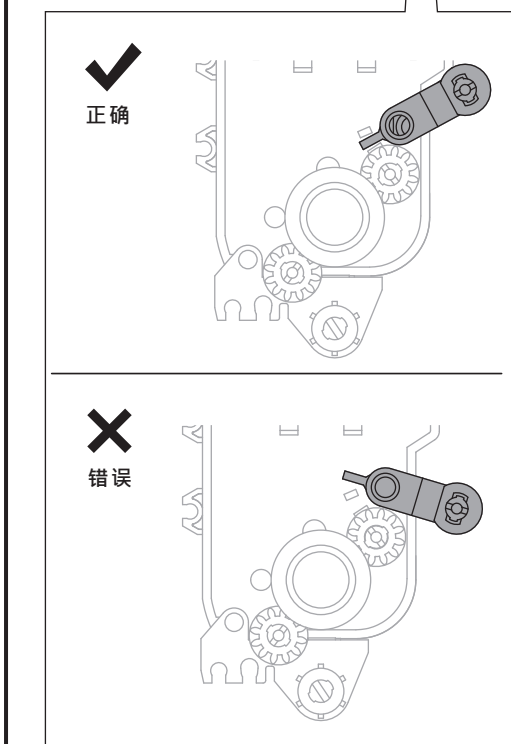
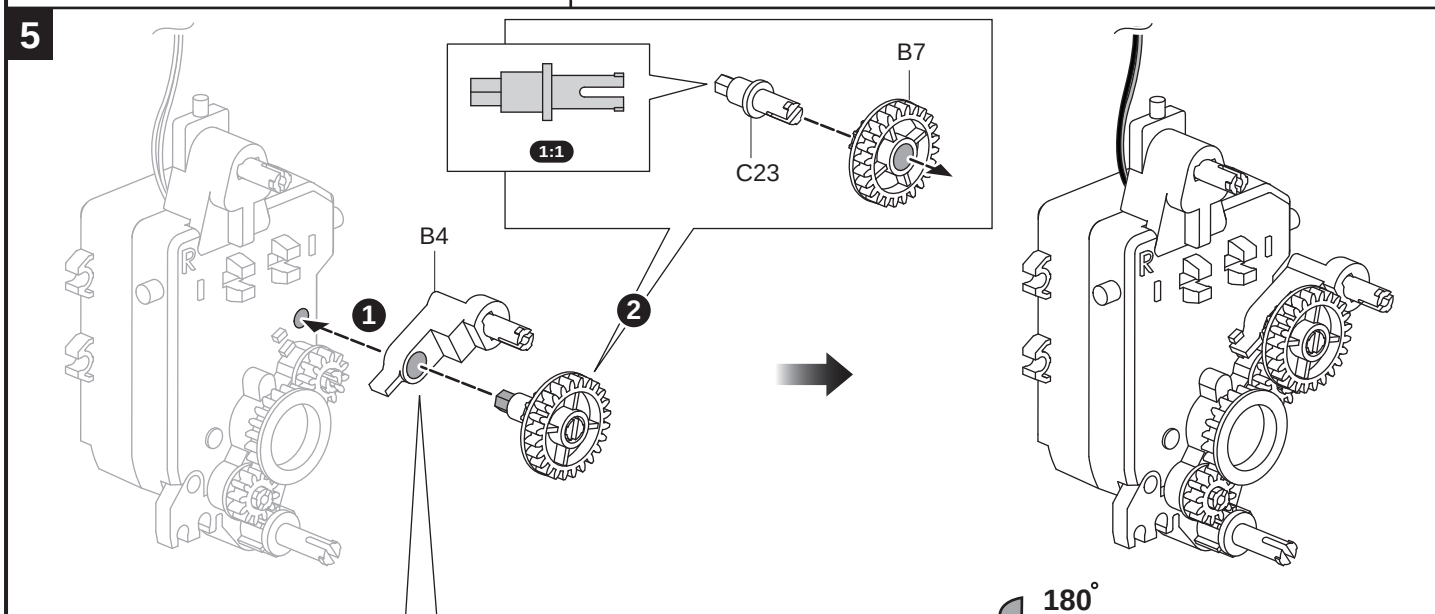
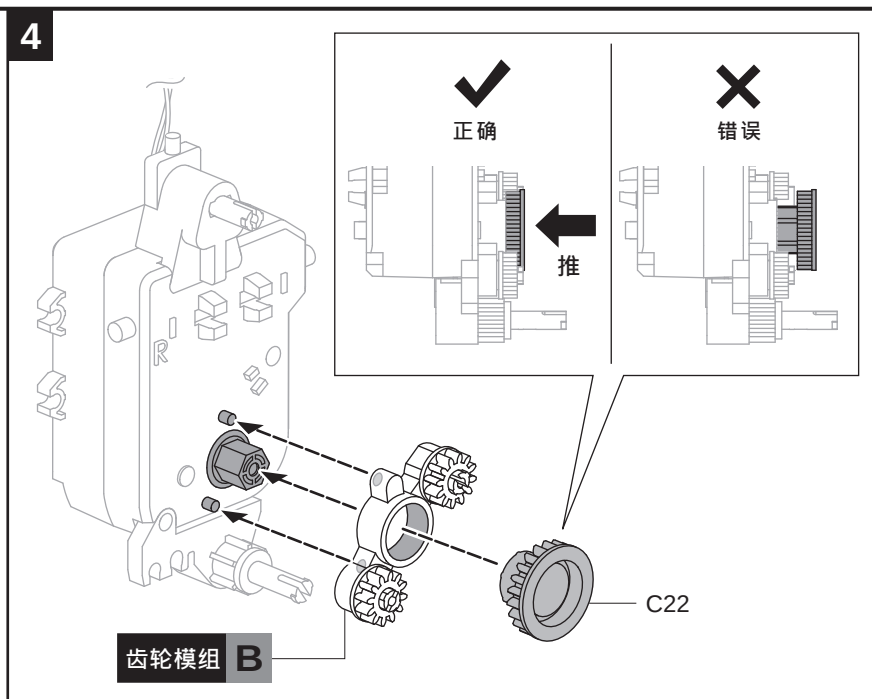
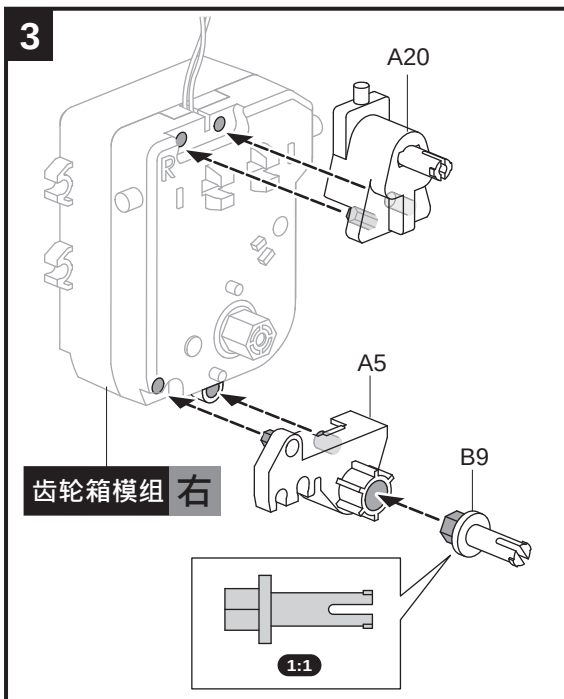
1

齿轮箱模组 左

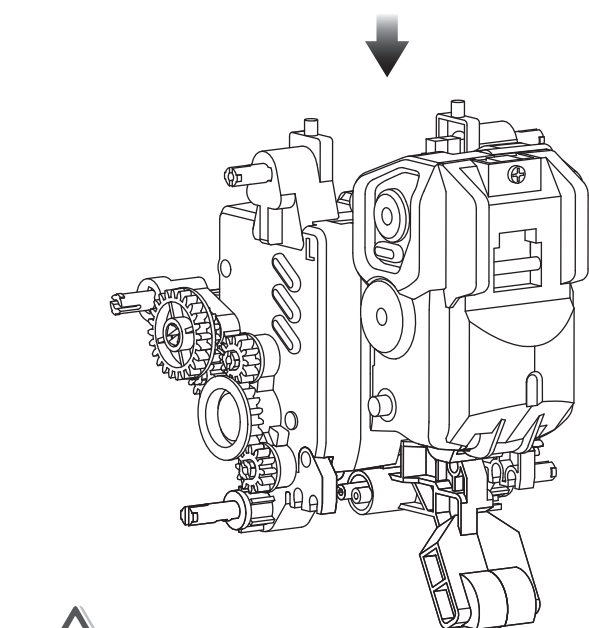
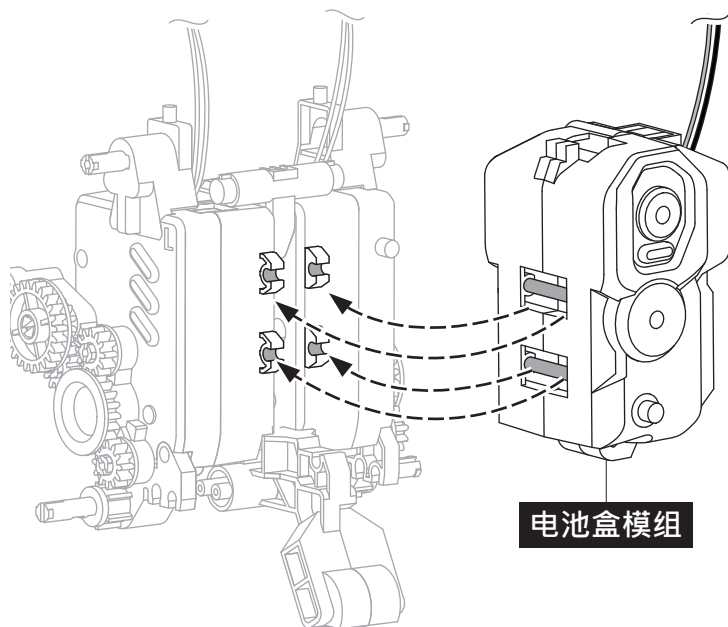
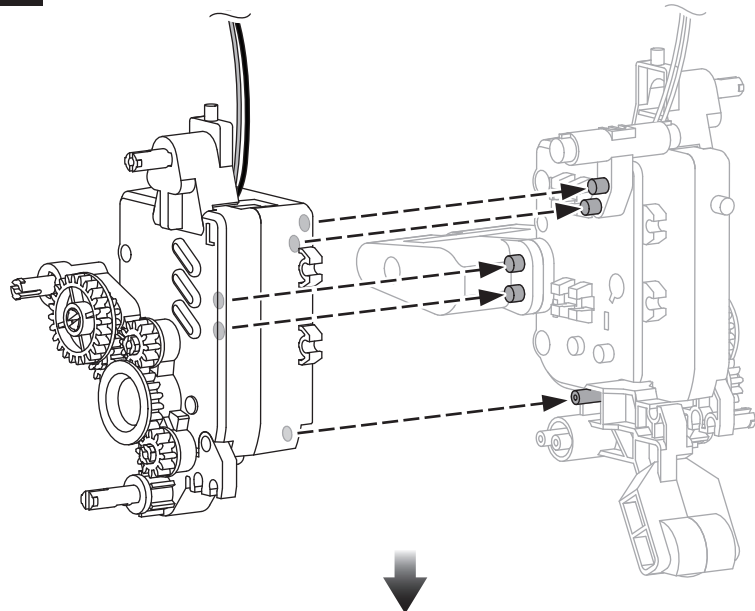


2



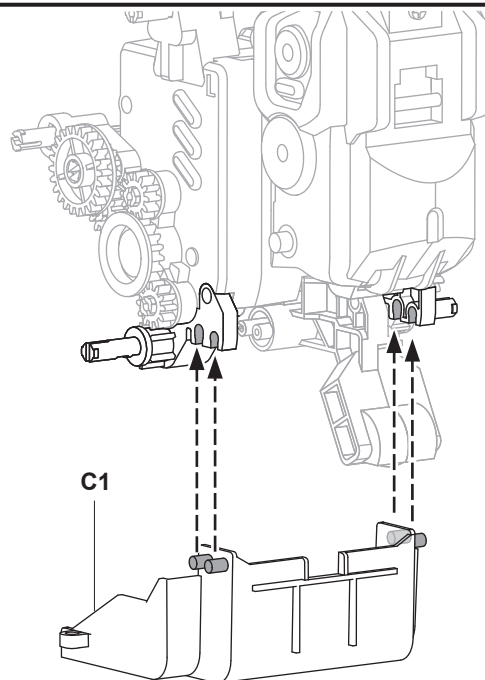


7



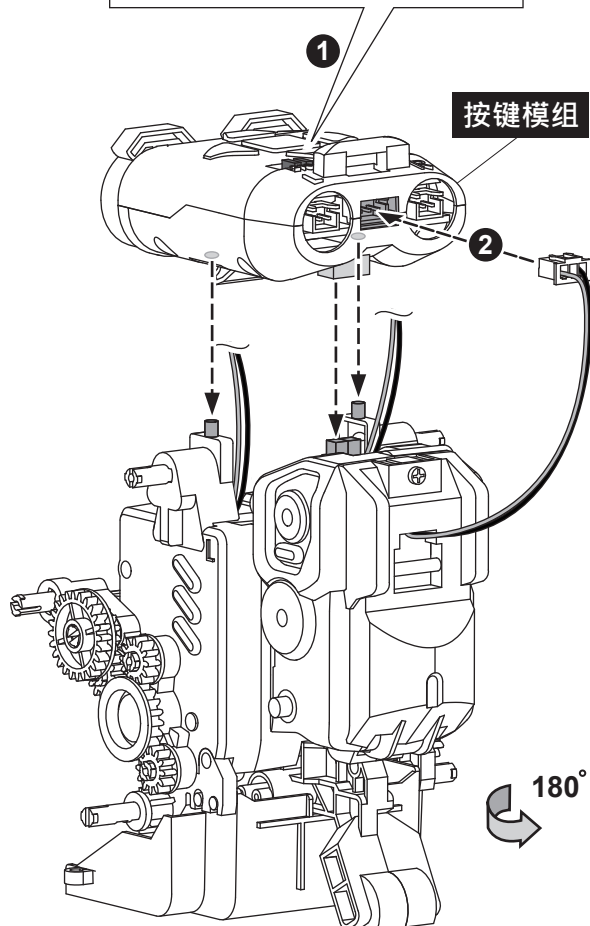
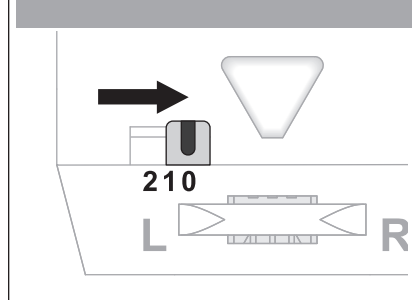
请确认步骤6和7的零件都组装牢固，以免扫地机器人运作不顺畅

8

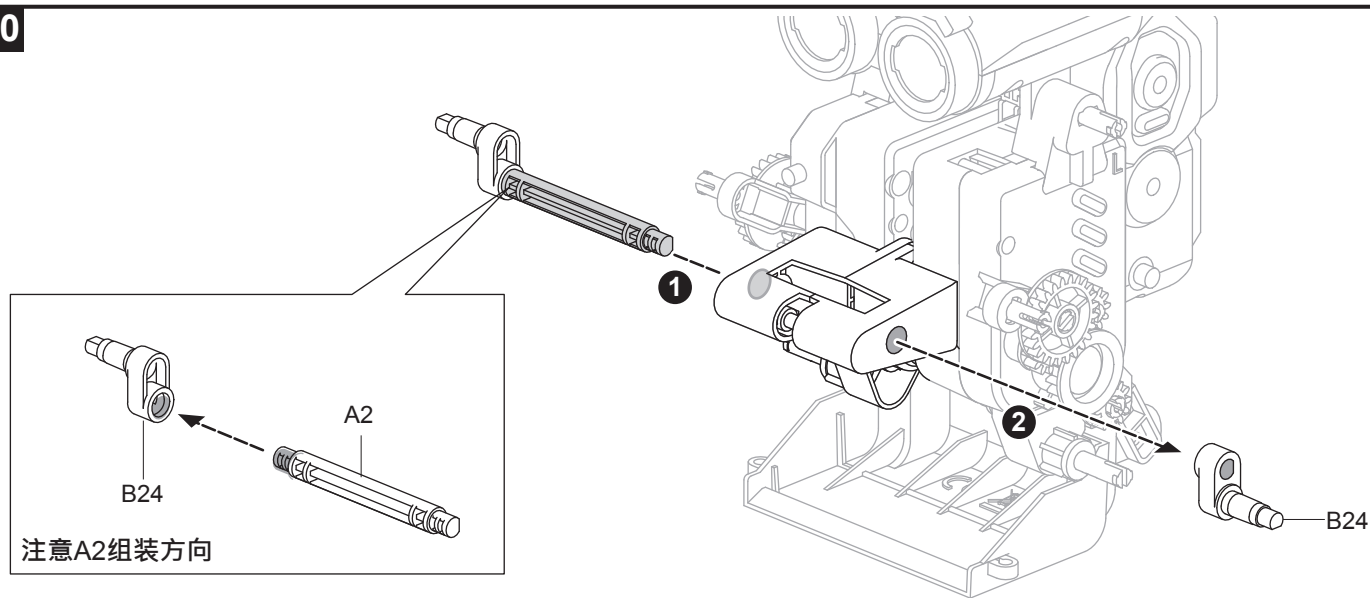


9

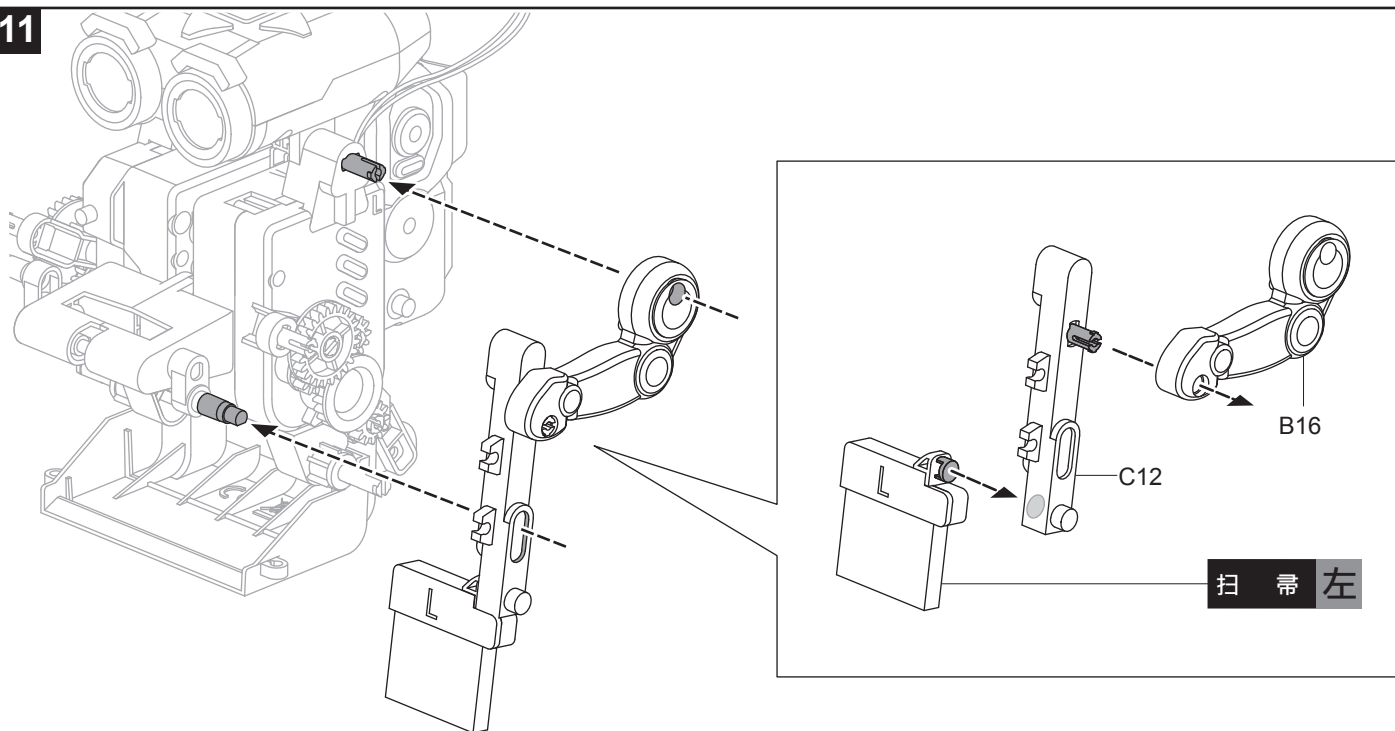
切换到档位"0"



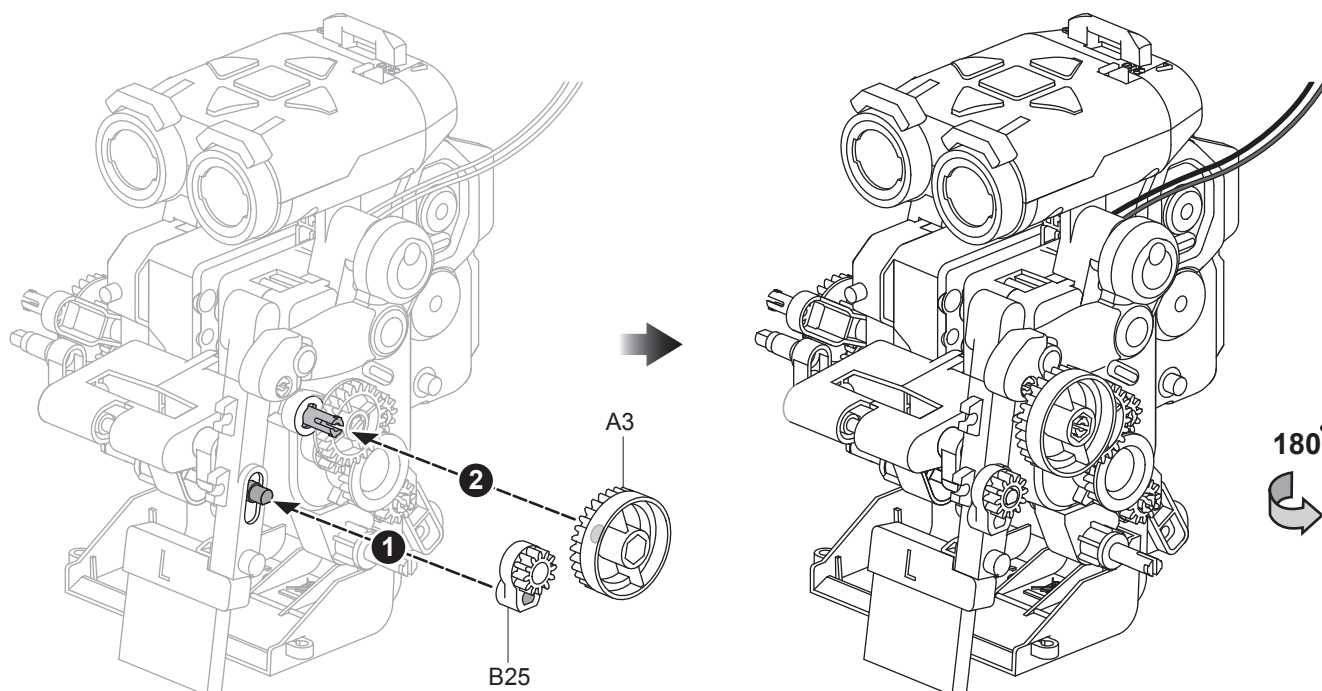
10



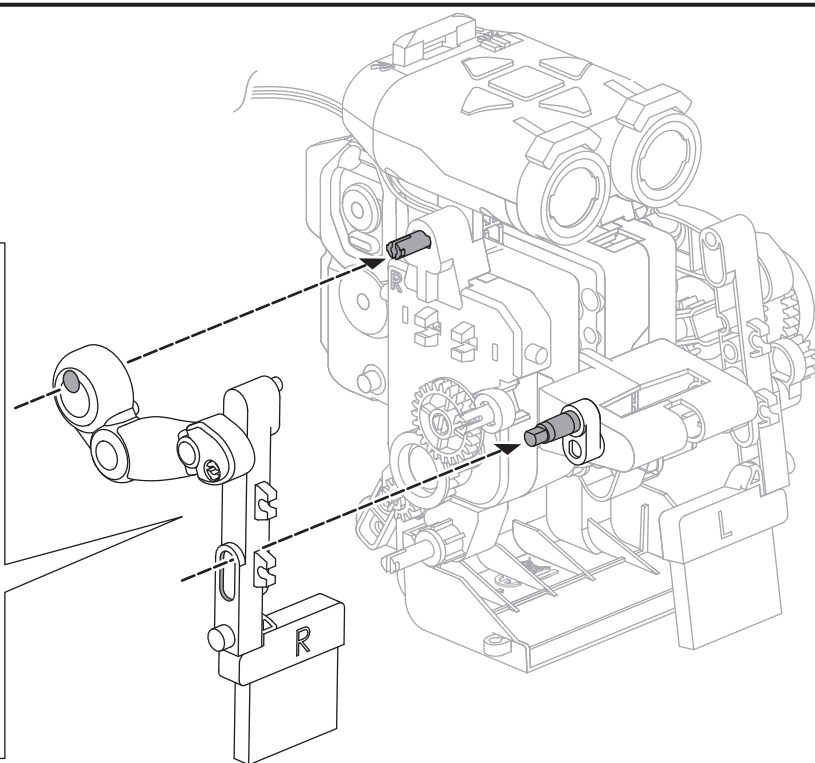
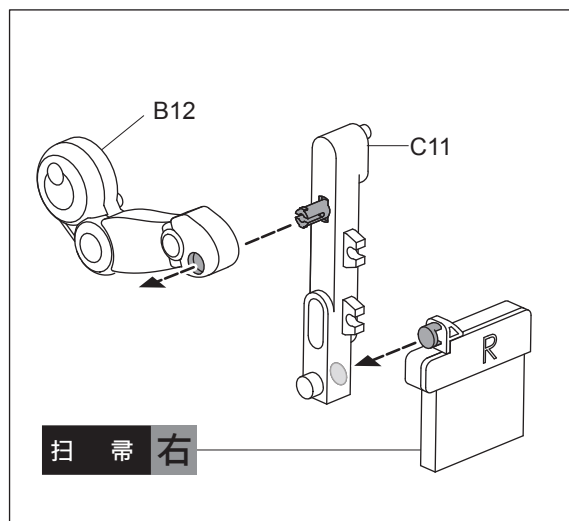
11



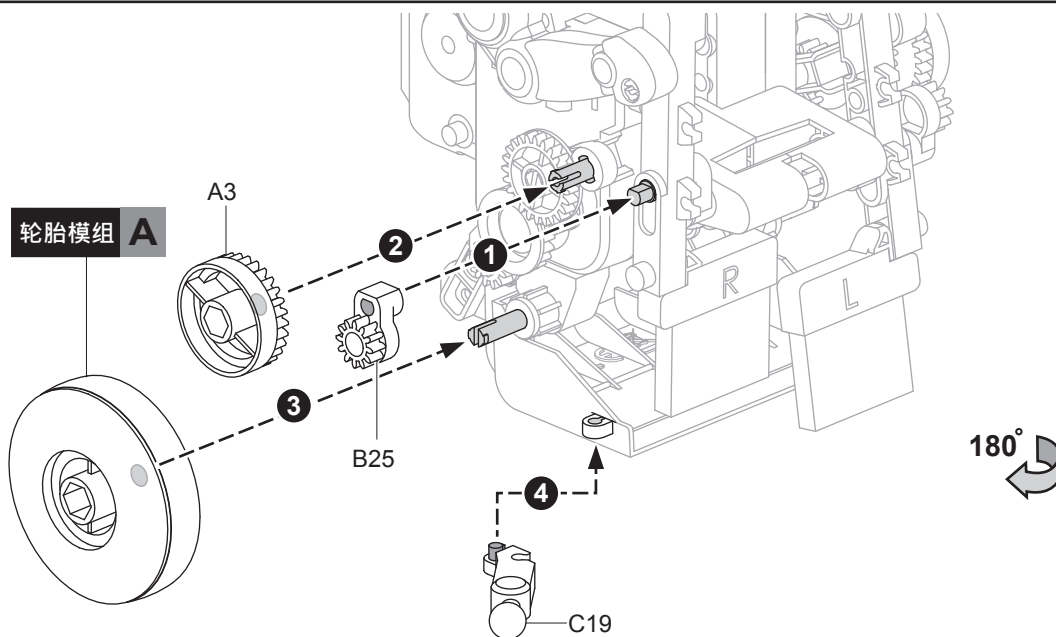
12



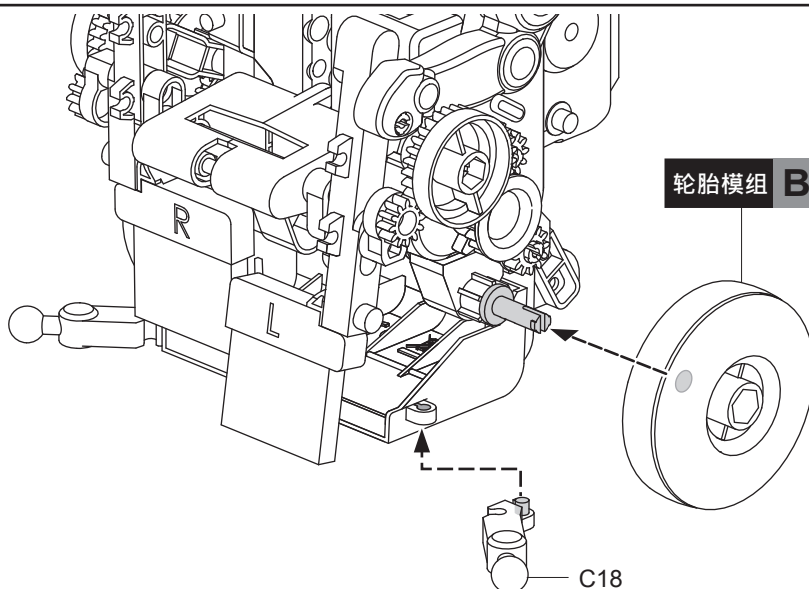
13



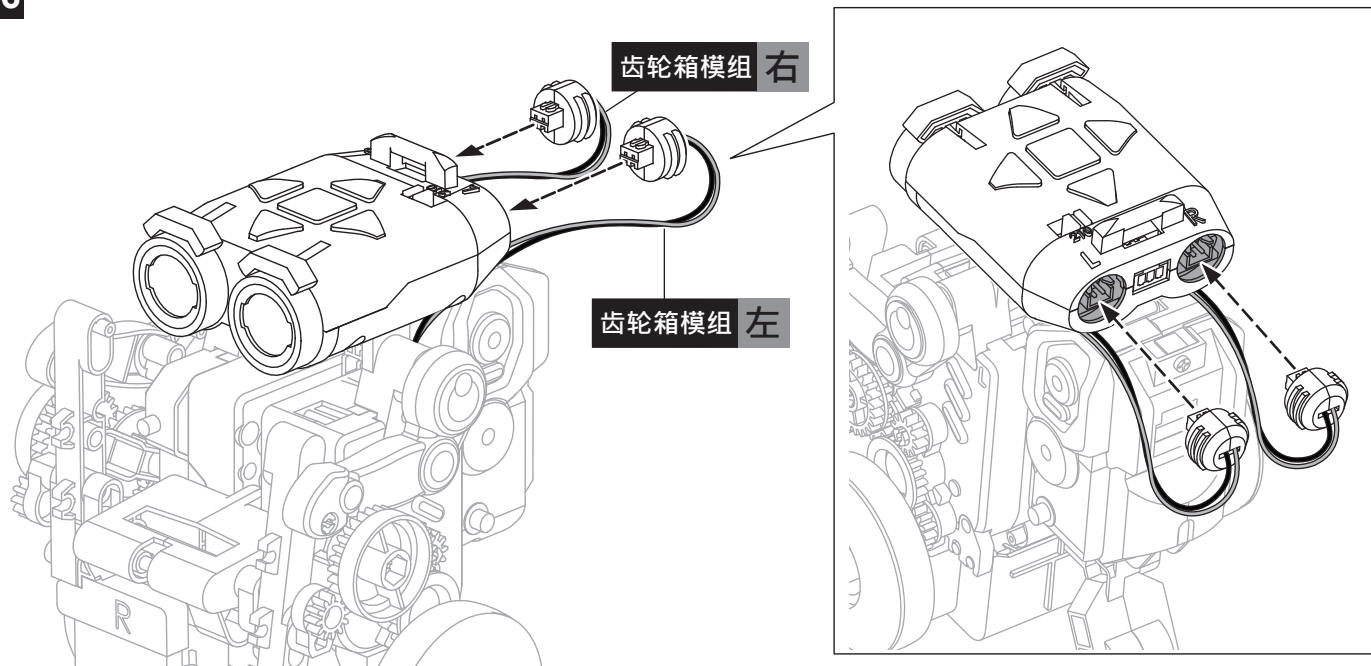
14



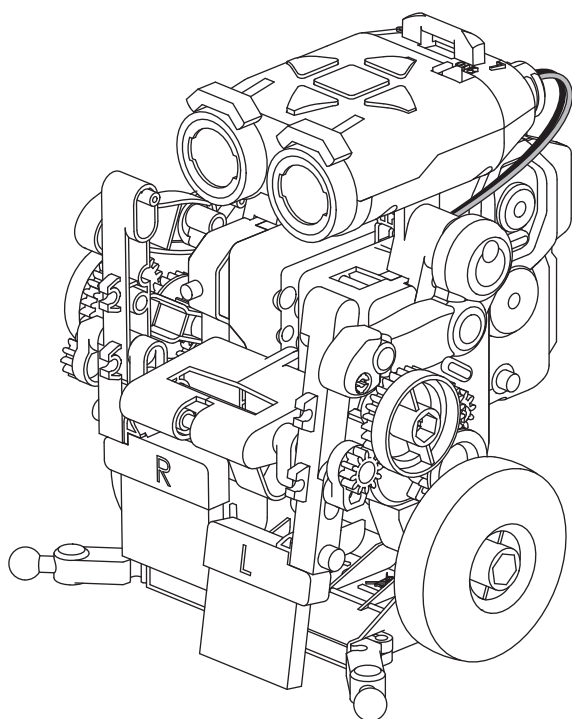
15



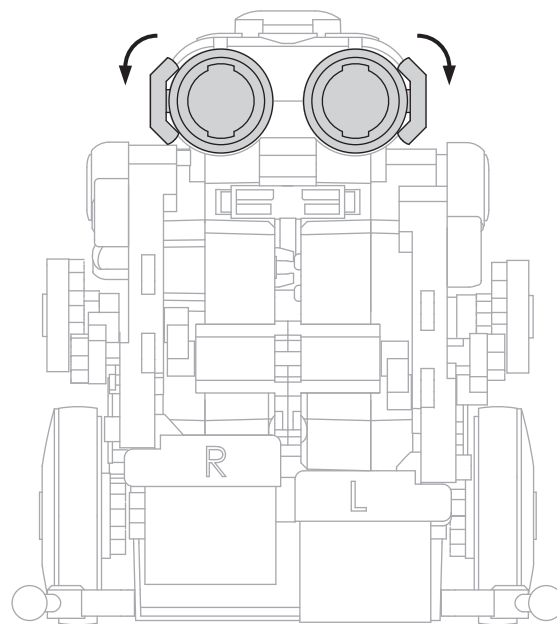
16



17



转动机器人眉毛以做出不同的表情

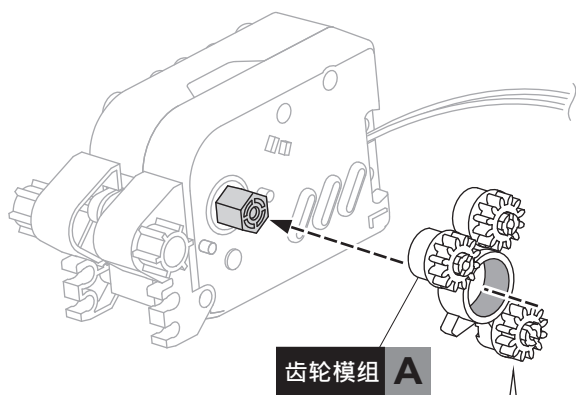
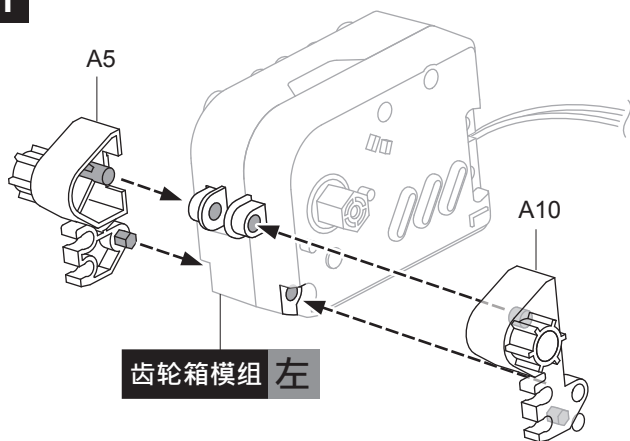


范 例 请依照实际状况编程，以下范例仅供参考

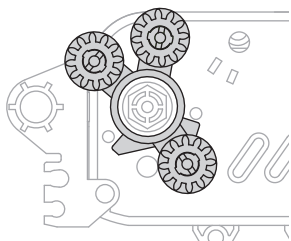
切换至档位 1



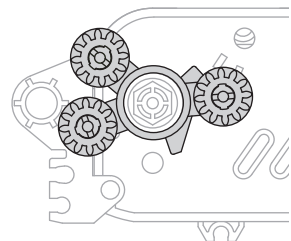
1



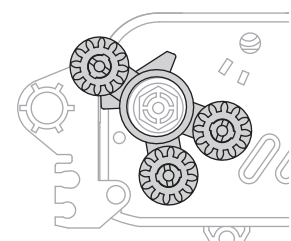
✓
正确



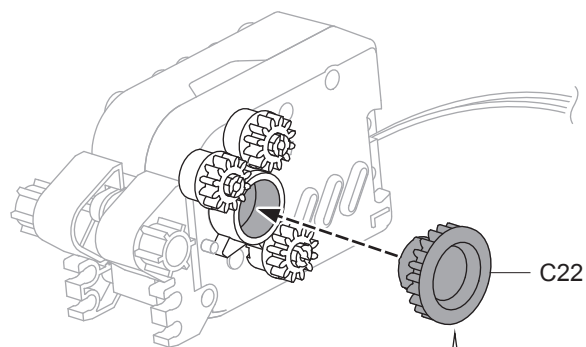
✗
错误



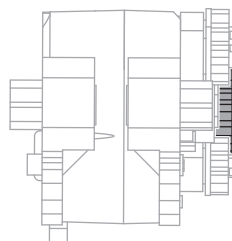
✗
错误



2



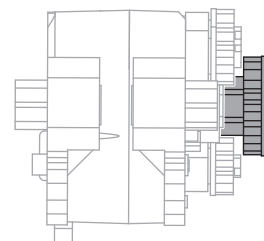
正确



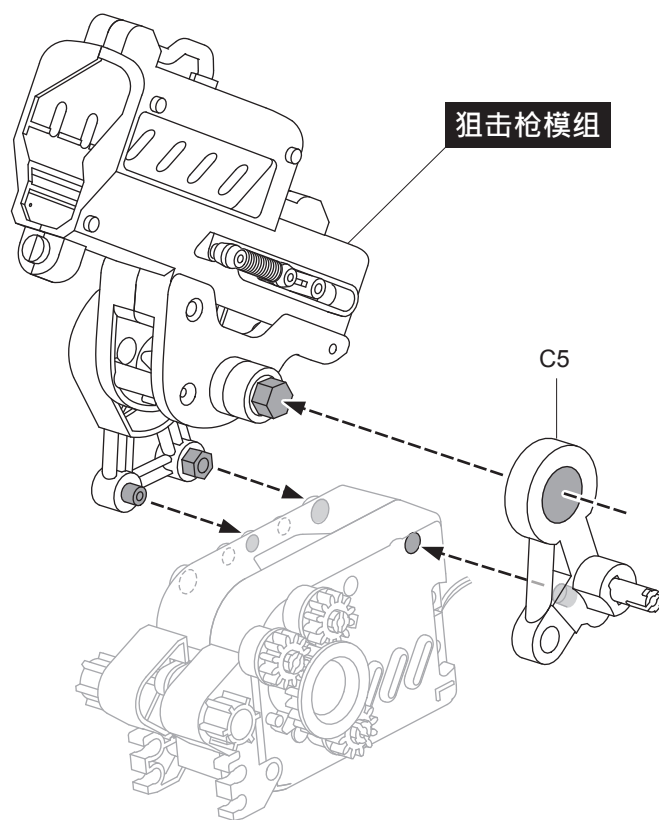
推



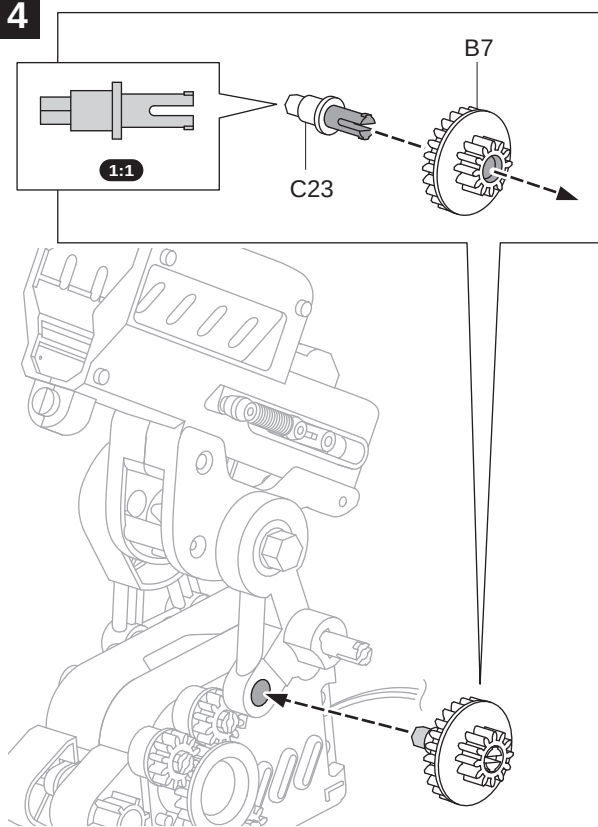
错误



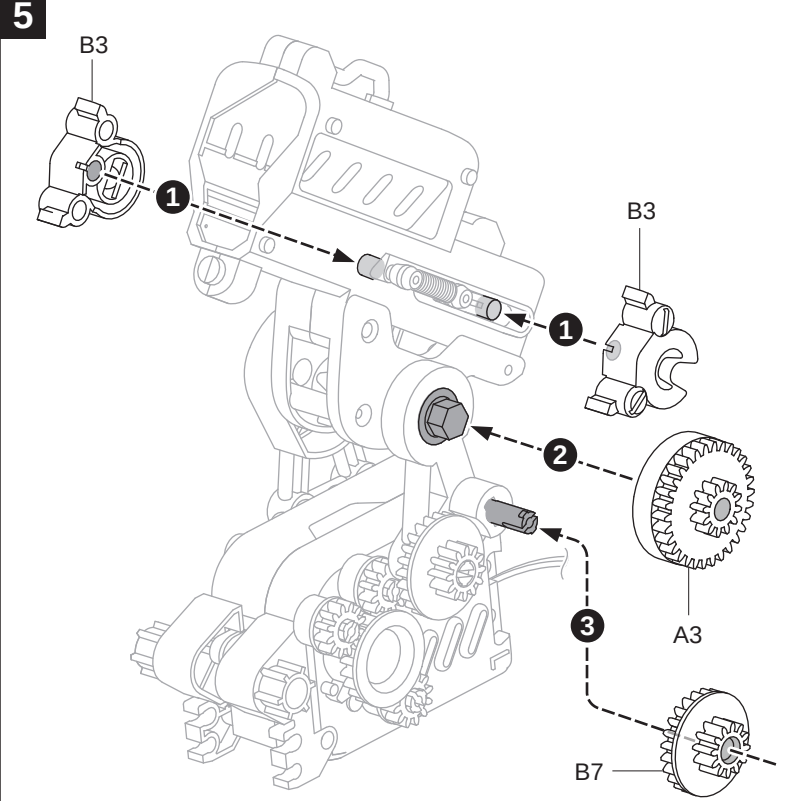
3



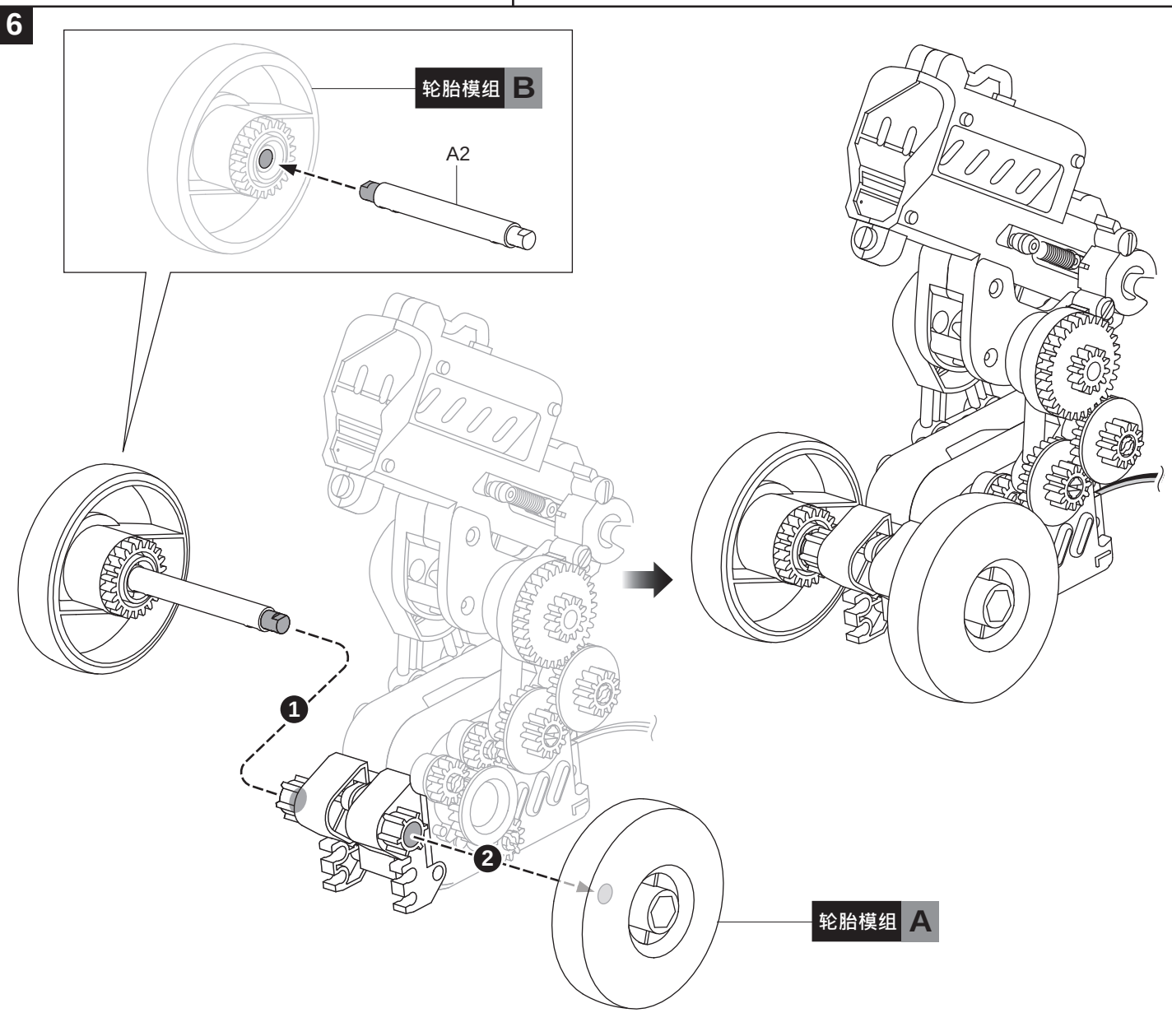
4



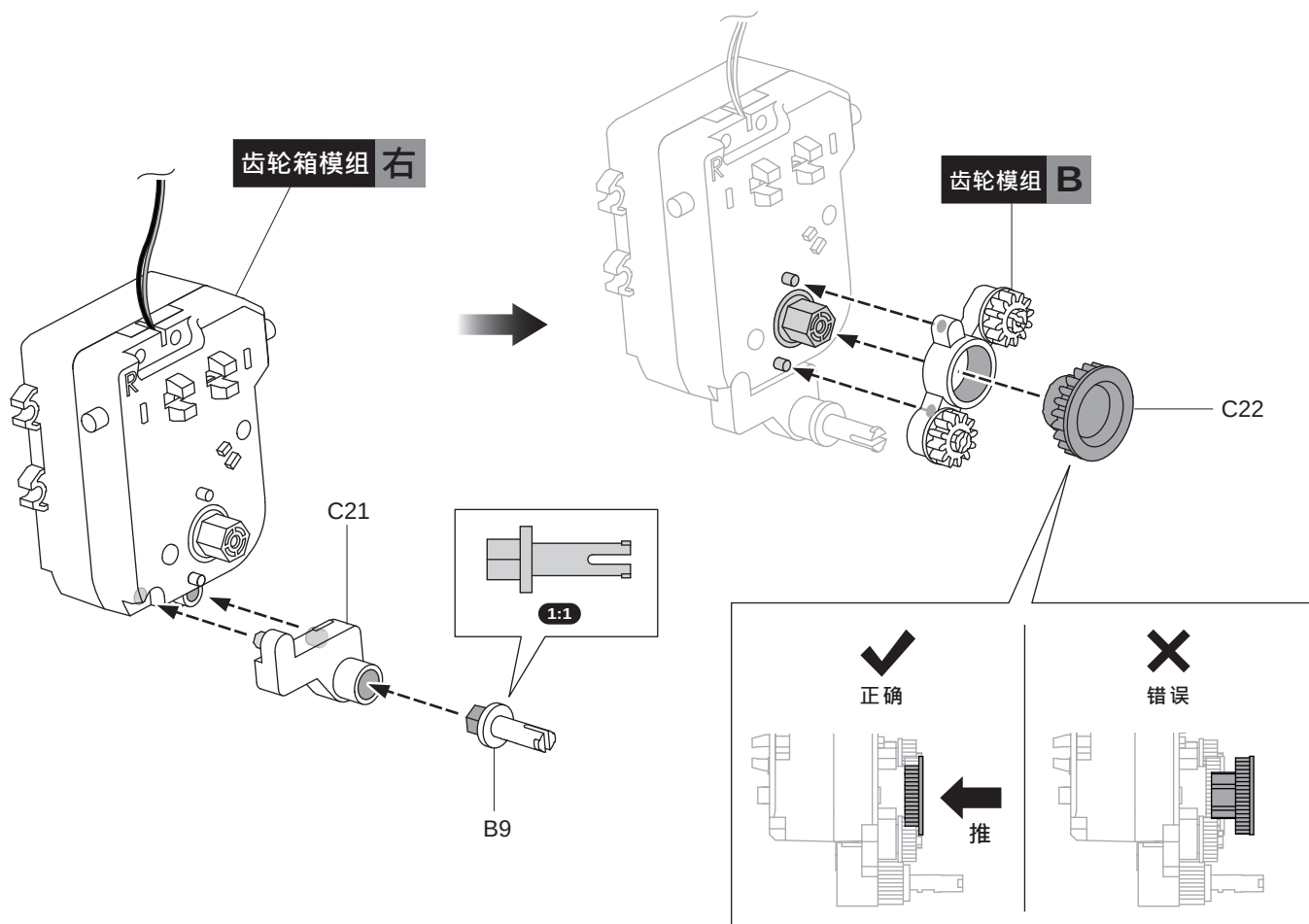
5



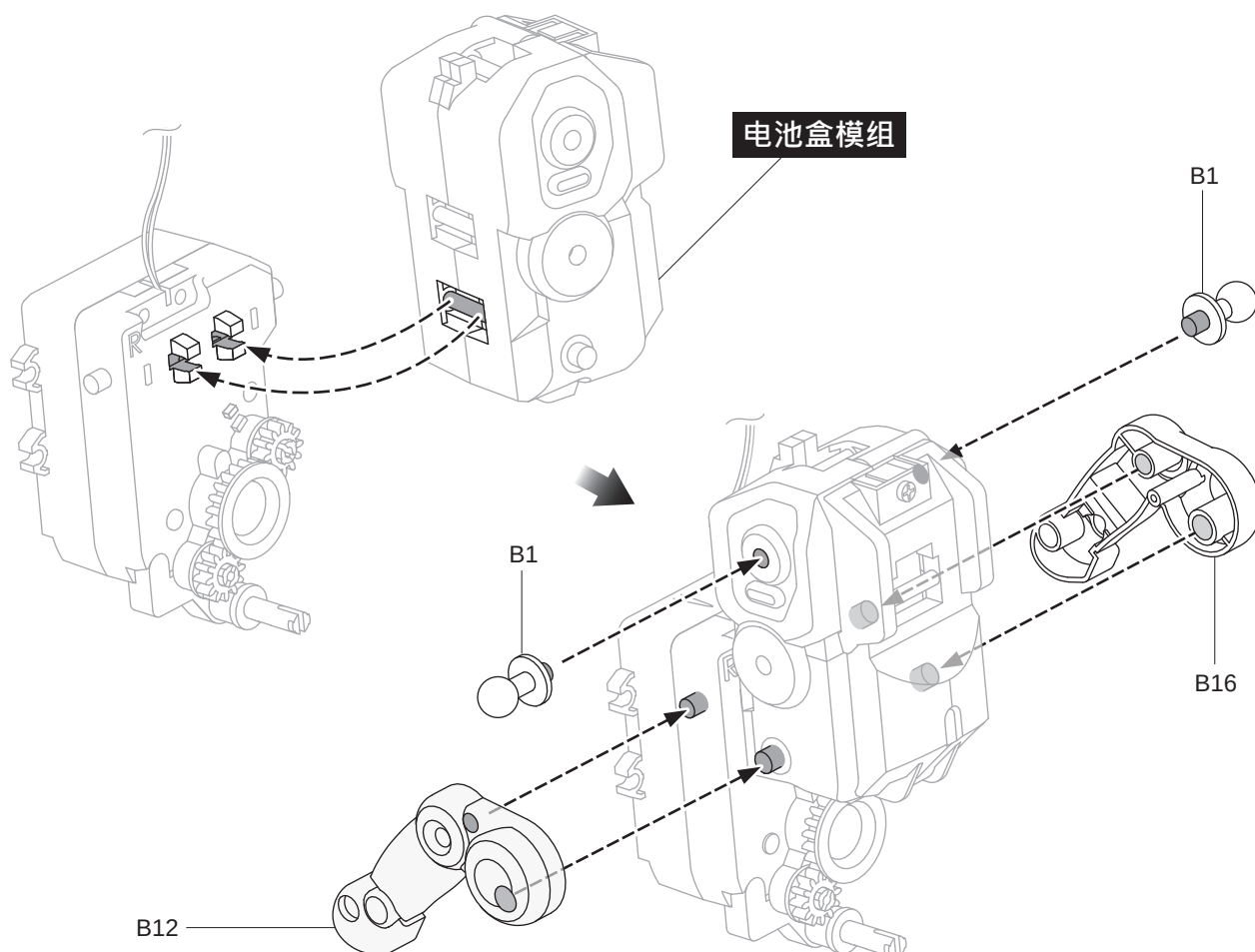
6



7

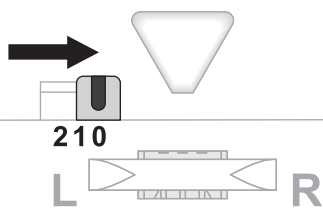


8

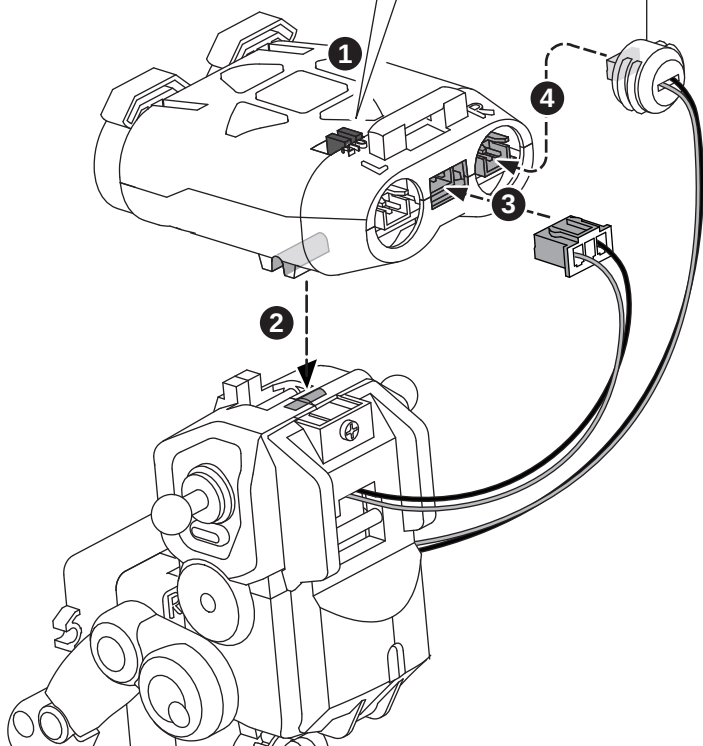


9

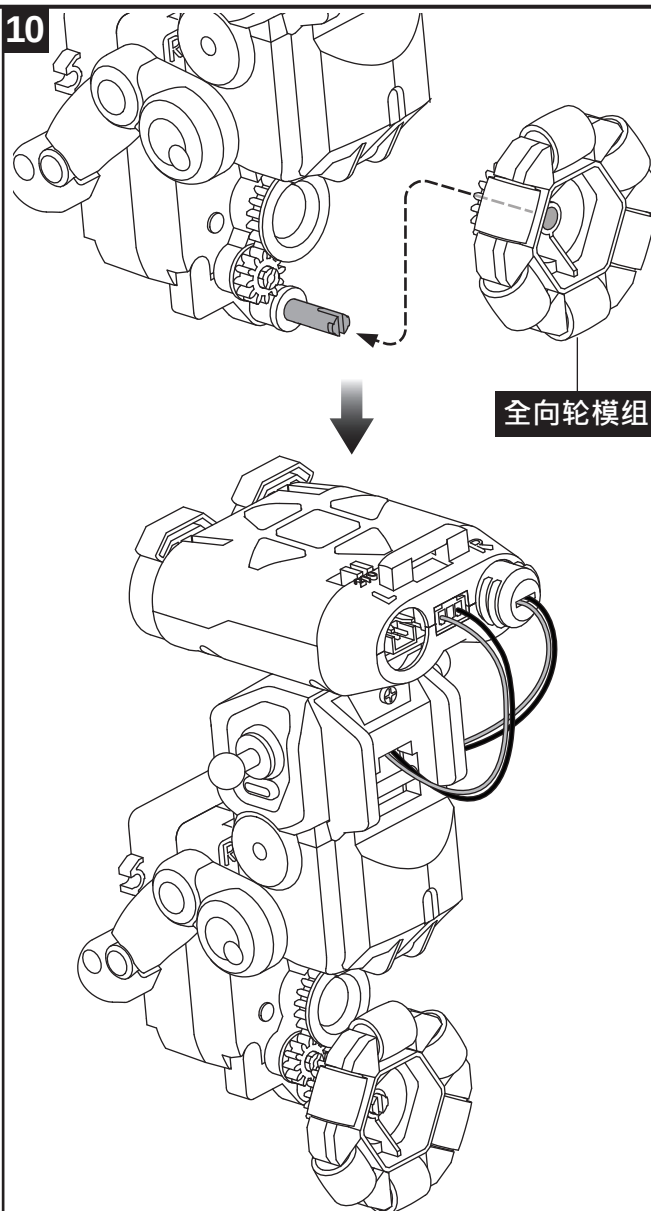
切换到档位“0”



齿轮箱模组 右

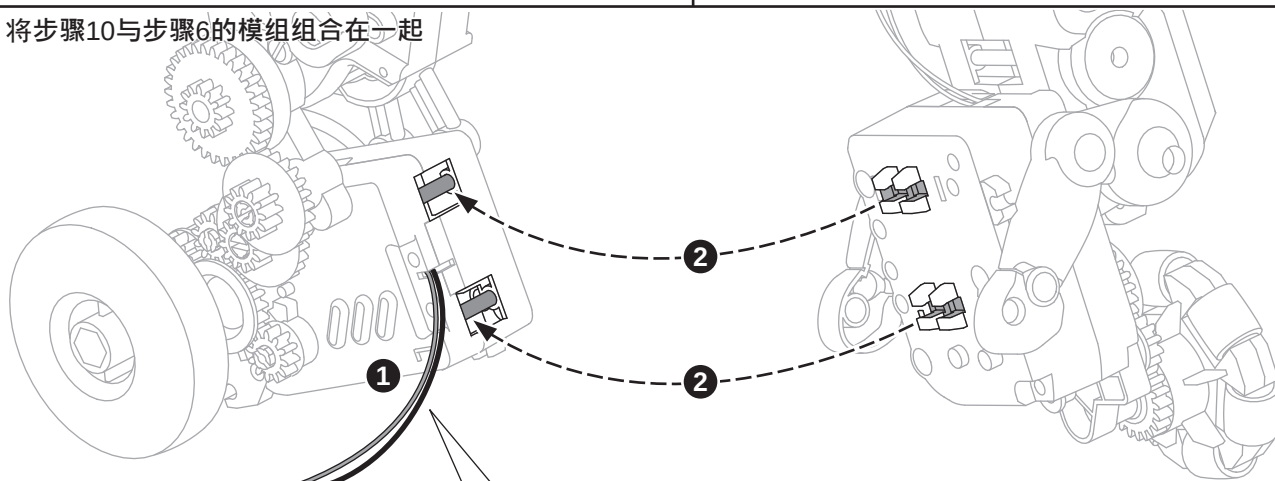


10



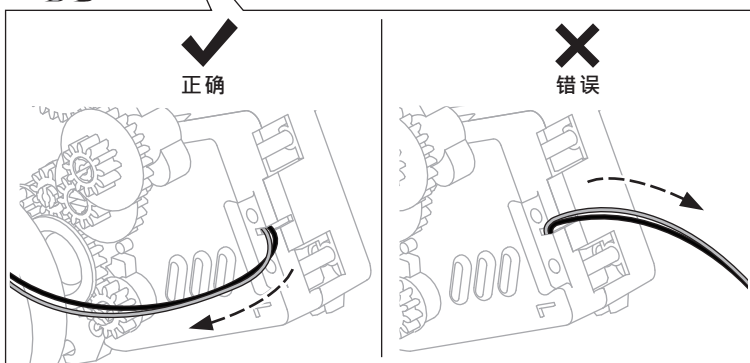
全向轮模组

11 将步骤10与步骤6的模组组合在一起

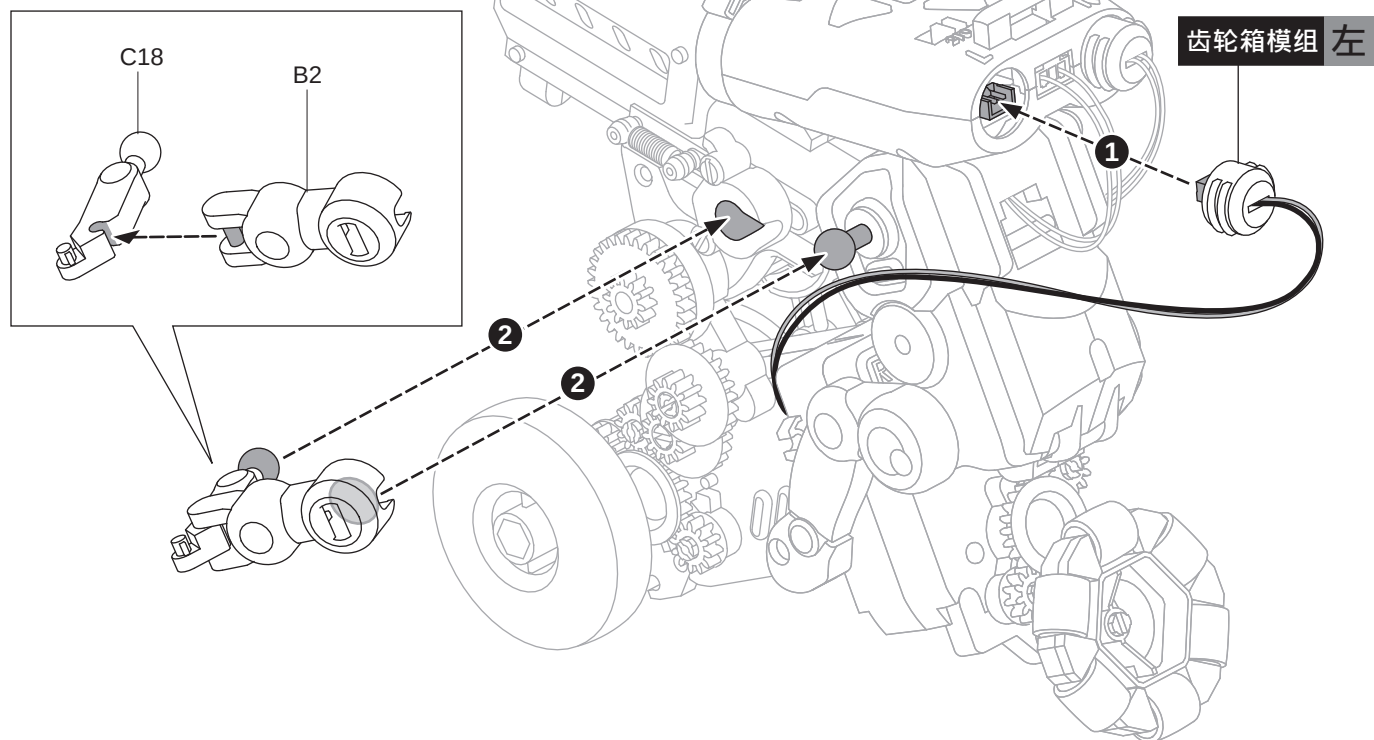


正确

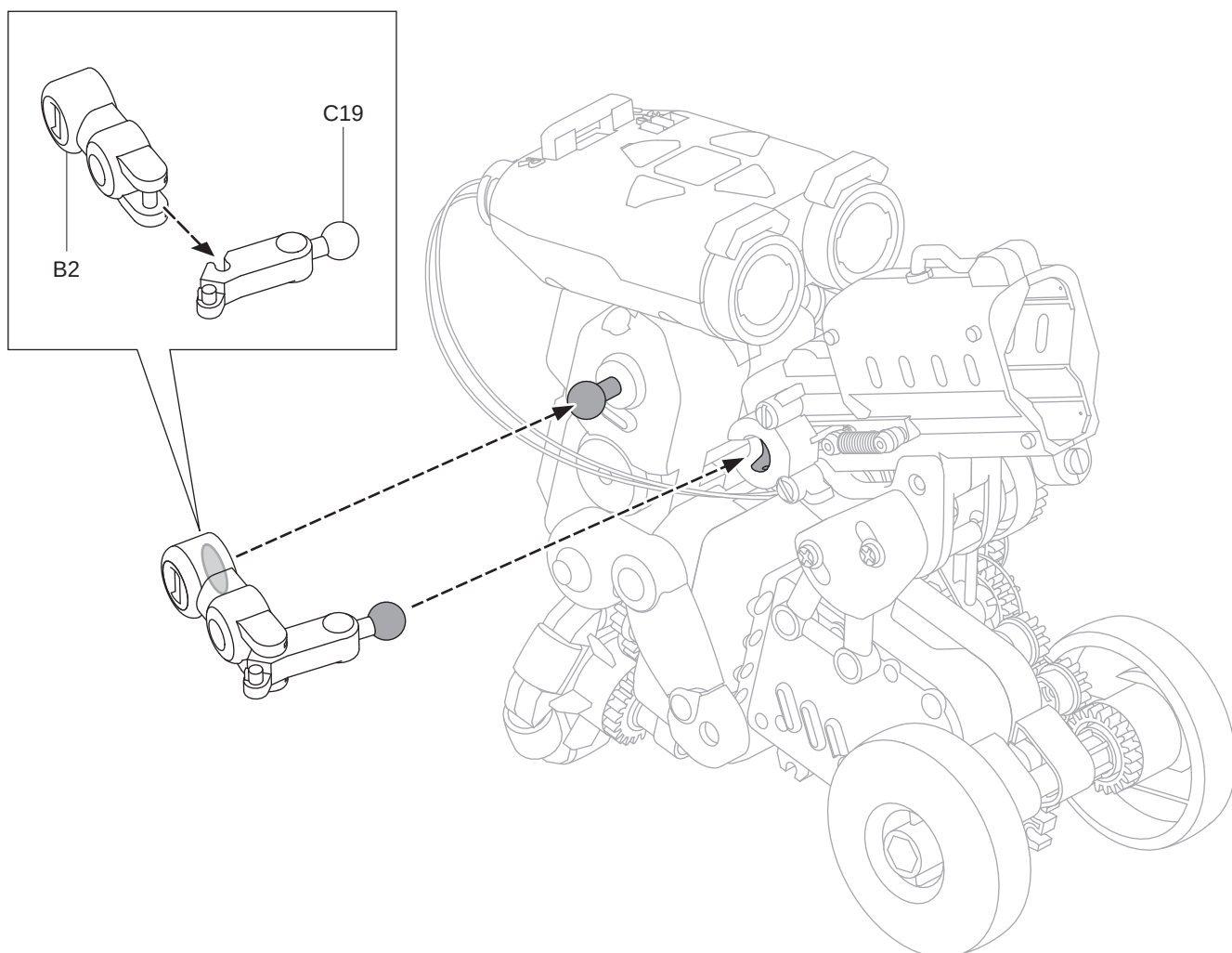
错误

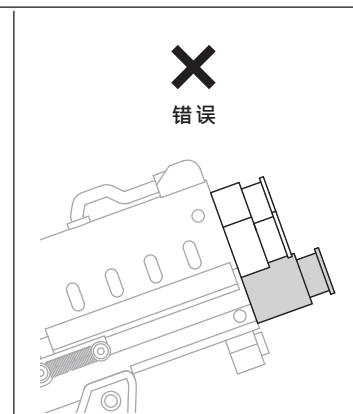
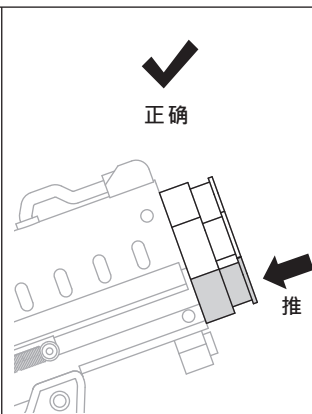
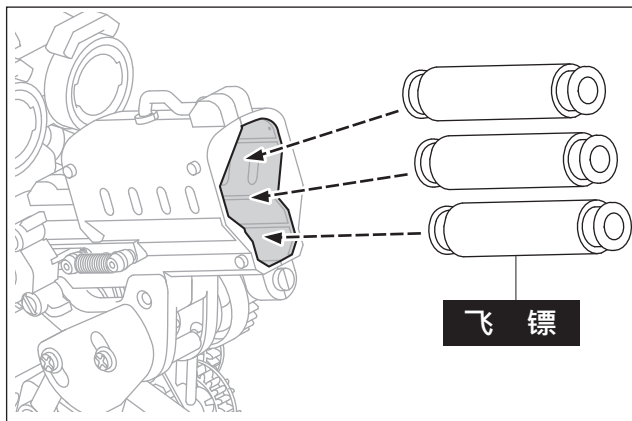


12

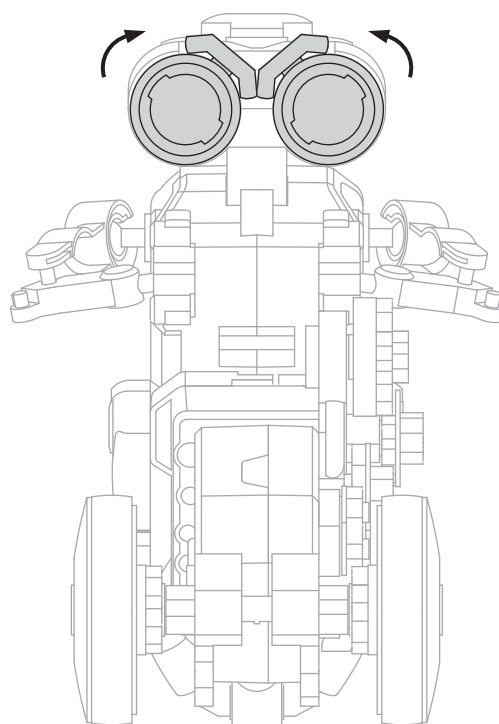


13





转动机器人眉毛以做出不同的表情



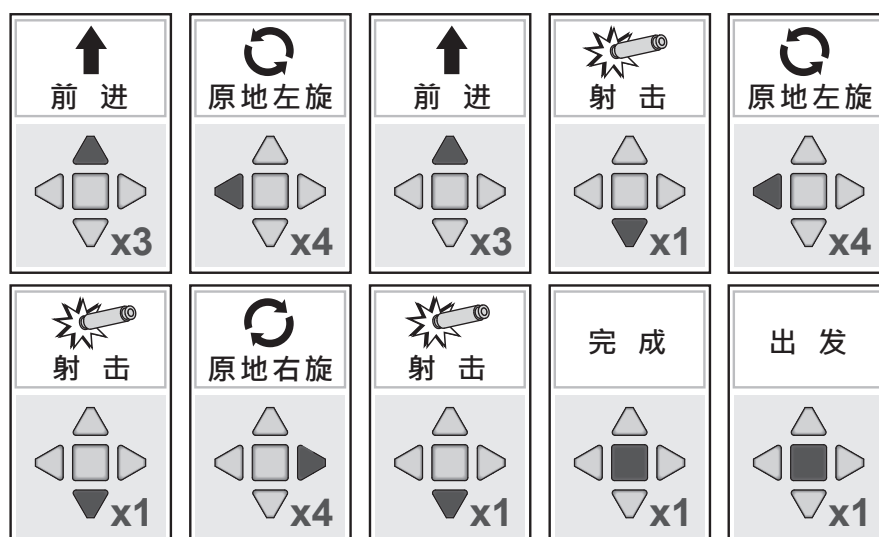
范 例 请依照实际状况编程，以下范例仅供参考

切换至档位 2



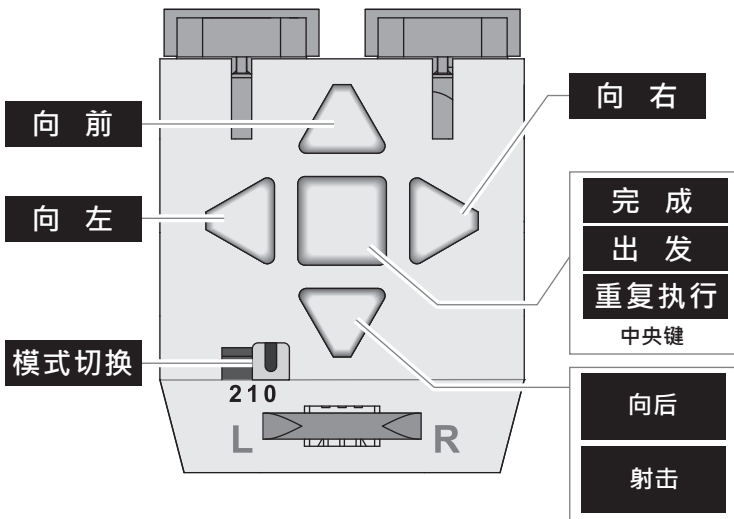
射击位置回归

于每次程序执行后，机器人会向前一步，此为内建预设值，目的是将狙击枪射击位置回归起始点



操作方式

按键介绍



操作指引

- 每次最多可输入64个指令，当输入第65个指令时，机器人会发出“哔-----哔哔”(一长音两短音)警示声拒绝接收指令
- 当游戏状态下，机器人发出“哔-哔-哔”(三短音)警示声代表电量过低，请更换电池，避免造成机器人损害或自动重启
- 当机器人闲置超过一分钟时将会发出“哔-哔”(二短音)声提示。只需按任意键即可唤醒机器人并继续游玩。请注意，每当完成编程时，必须按“完成”键代表结束编程，以利再次唤醒机器人时可继续执行所下指令；如未按下“完成”键，机器人休眠后将自动消除指令记忆
- 若玩家不小心键入无法辨识之指令，例如同时按下左/右键或上/下键，机器人将发出警示音，玩家不须再重置指令，直接继续编程即可

依循以下指引并确认机器人是否依序动作

编程创意小画家和扫地机器人

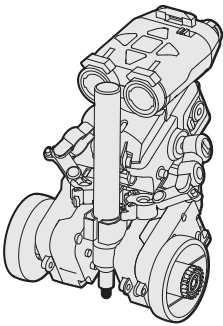
步骤 1

切换至档位1

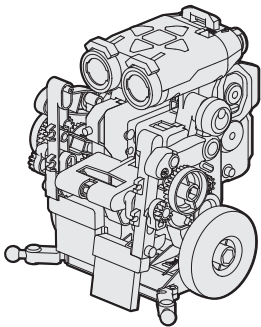


步骤 2

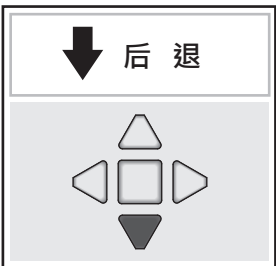
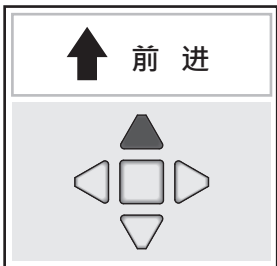
利用按键编程以设定机器人动作/行走路线



创意小画家

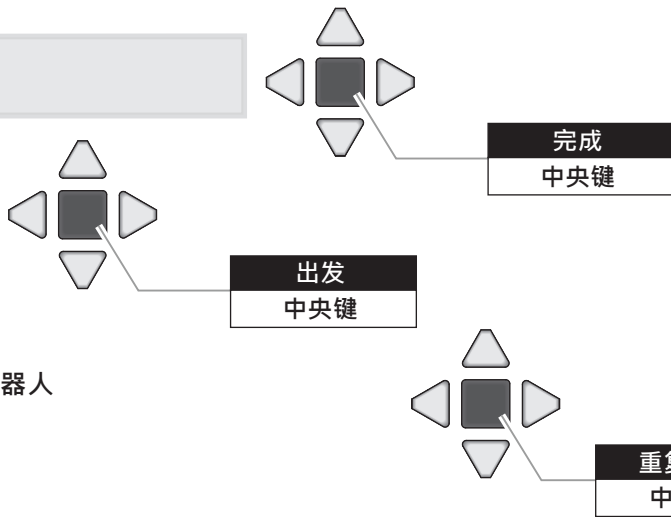


扫地机器人



步骤 3 完成编程指令后，按下中央键确认

步骤 4 再按一次中央键，机器人开始执行指令动作



重复执行

当机器人完成动作后，玩家可以按中间键命令机器人重复执行前次动作

重置

经由以下两种方式可执行新的编程指令

方 式 01		长按中央键1秒钟
方 式 02		先切换到模式0，再切换到档位1或2

编程狙击神射手

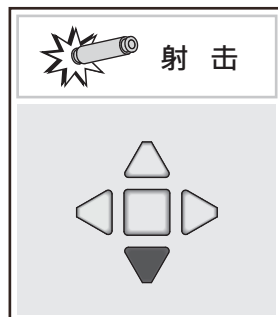
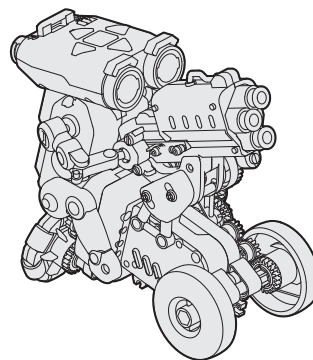
! 请勿使用非本套件所附发射物体射击
并请避开眼睛及脸部方位!

步骤 1 切换至档位2

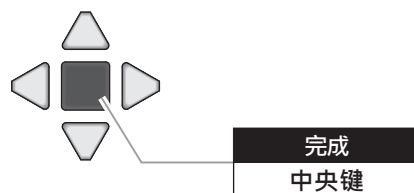


步骤 2 利用按键编程以设定机器人动作/行走路线

狙击神射手

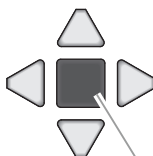


步骤 3 完成编程指令后，按下中央键确认



步骤
4

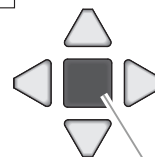
再按一次中央键，机器人开始执行指令动作



出发
中央键

重复执行

当机器人完成动作后，玩家可以按中间键令机器人重复执行前次动作

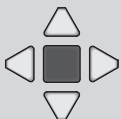


重复执行
中央键

重置

经由以下两种方式可执行新的编程指令

方 式 01



长按中央键1秒钟

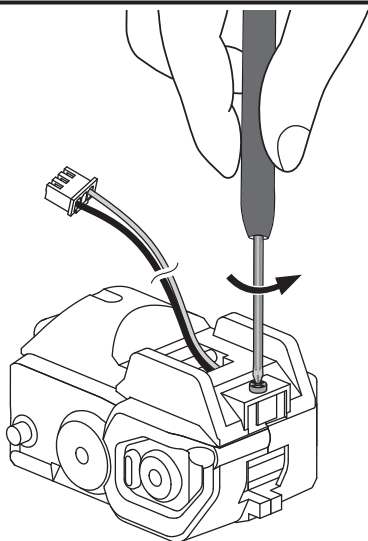
方 式 02



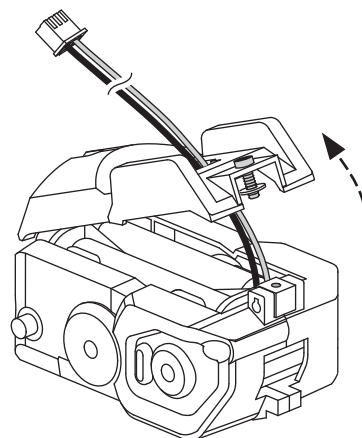
先切换到模式0，再切换到档位1或2

更换电池方式

1

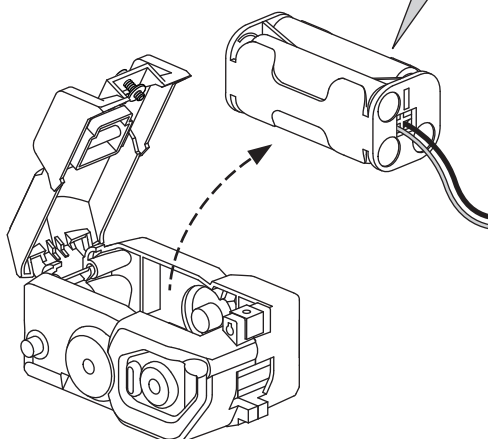


2



3

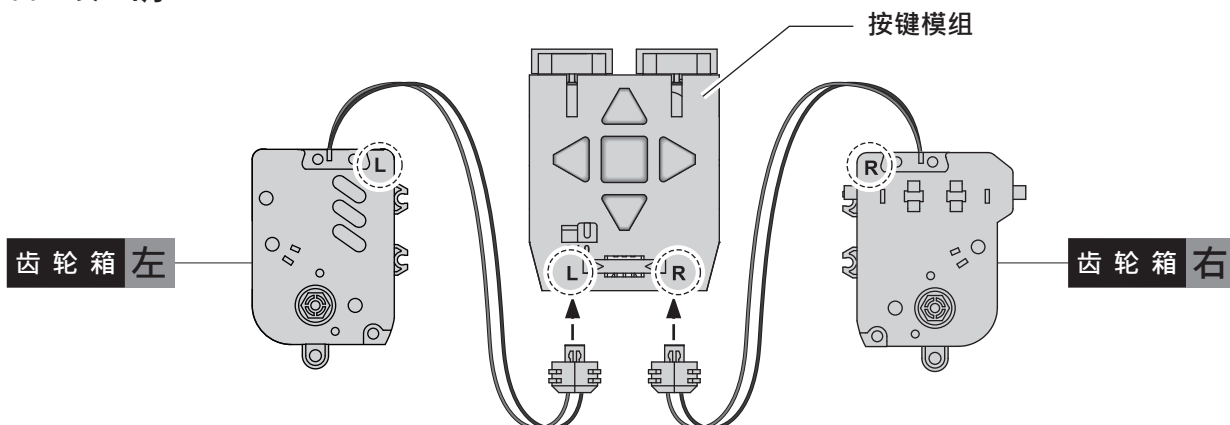
碱性电池(AAA) x 4



- 电池移除或更换应由成人或在成人监督下进行。
- 请避免电池或电池连接器端子短路。
- 请勿混用新旧电池及不同厂牌、种类的电池，以免造成危险或电器损耗。
- 请勿混合碱性、碳锌电池或充电电池使用。
- 电池放入前请先确认正确正负极性方向。
- 请勿试图对非充电电池进行充电。
- 充电前请将充电电池自玩具中取出。

简易故障排除

1. 请**确认**电池安装位置是否正确，参见第9页，步骤 **3**。
2. 如创意小画家/扫地机器人/狙击神射手未正确地依循编码动作，请**确认**左、右齿轮箱和按键模块是否**组装正确**。



3. 如创意小画家/扫地机器人未**正确**地依循编码动作，请**确认**开关位置是否拨到档位**1**。
4. 如狙击神射手未**正确**地依循编码动作，请**确认**开关位置是否拨到档位**2**。
5. 如创意小画家无法清楚地画出线条，请**确认**笔是否安置于适当位置，参见第15页，步骤 **6**。
6. 如扫地机器人无法正常扫地，请**确认**B4是否安装**正确**，参见第17页，步骤**2**；第18页，步骤**5**。
7. 如狙击神射手无法直行或正常射击，请**确认**齿轮模组A是否安装**正确**，参见第23页，步骤**1**。
8. 如狙击神射手的弹簧在射击后无法回到射击位置(见下图1)，请逆时针推转齿轮(见下图2)

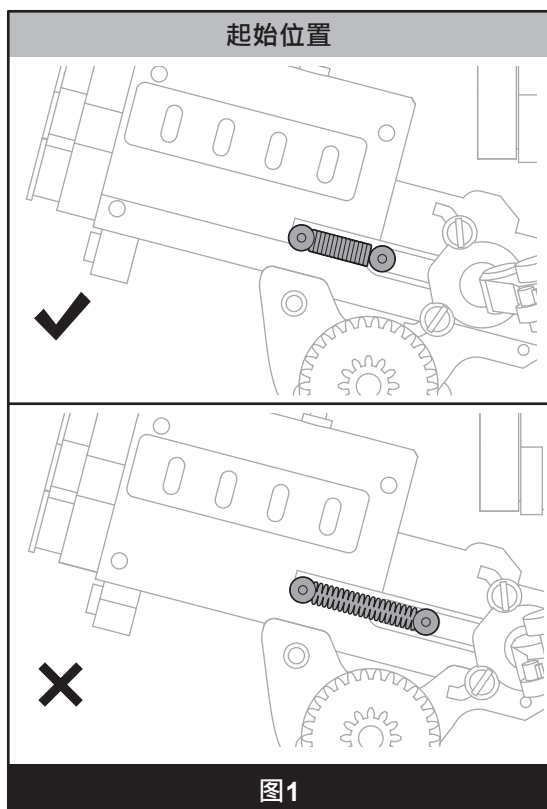


图1

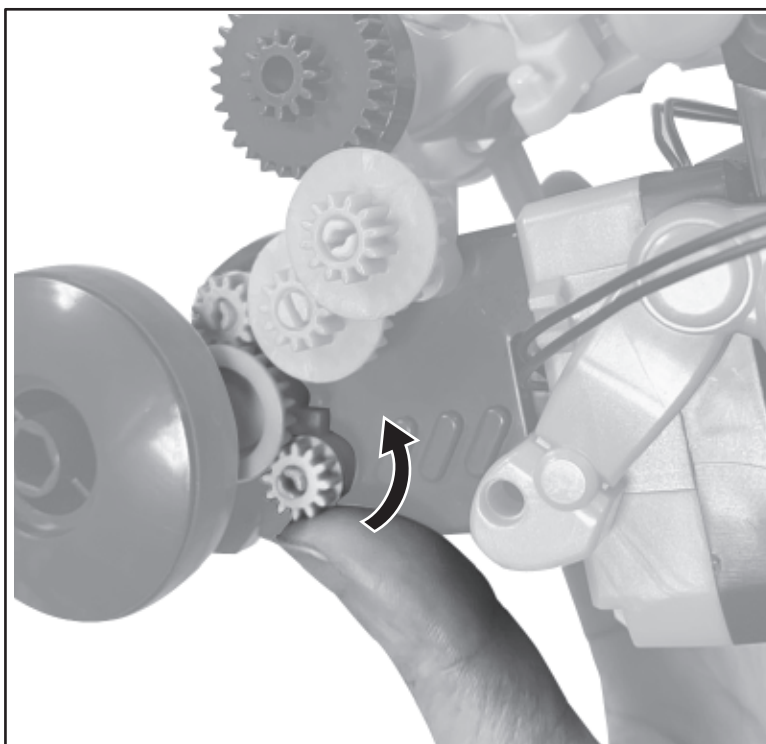


图2

若需要购买零件，请参照以下零件表

- 1. 请留下订购人姓名、寄送地址、联络电话、E-mail
- 2. 请注明产品名称、产品型号、零件名称、零件型号以及数量
- 3. 请以传真、E-mail、电话或上宝工购物网 <https://mall.jd.com/Index-714032.html> 订购

制造商:宝工实业股份有限公司
销售公司:上海宝工工具有限公司
上海市浦东新区康桥东路1365弄25号
服务热线:400-1699-629
<https://science.prokits.com.tw>
Email:science@mail.prokits.com.tw
宝工购物网:<https://mall.jd.com/Index-714032.html>

GE-897 3合1按键编程机器人 零件表

零件型号	零件名称	数量
5GE-89700P1	小齿轮(白色)	
5GE-89700P2	齿轮(白色)	
5GE-89700P3	齿轮(灰色)	
5GE-89700P4	齿轮(黄色)	
5GE-89700P5	齿轮(桔色)	
5GE-89700P6	出力齿轮(灰色)	
5GE-89700P7	六角轴	
5GE-89700P8	圆轴	
5GE-89700P9	自攻螺丝	
5GE-89700P10	自攻螺丝	
5GE-89700P11	弹簧	
5GE-89700P12	小铁球	
5GE-89700P13	泡棉贴(大)	
5GE-89700P14	泡棉贴(小)	
5GE-89700P15	马达端子组	
5GE-89700P16	电池座	
5GE-89700P17	电路板	
5GE-89700P18	垫片	

 此产品为模型组件拆封修剪或包装不完整，恕不退换



警告及注意事项

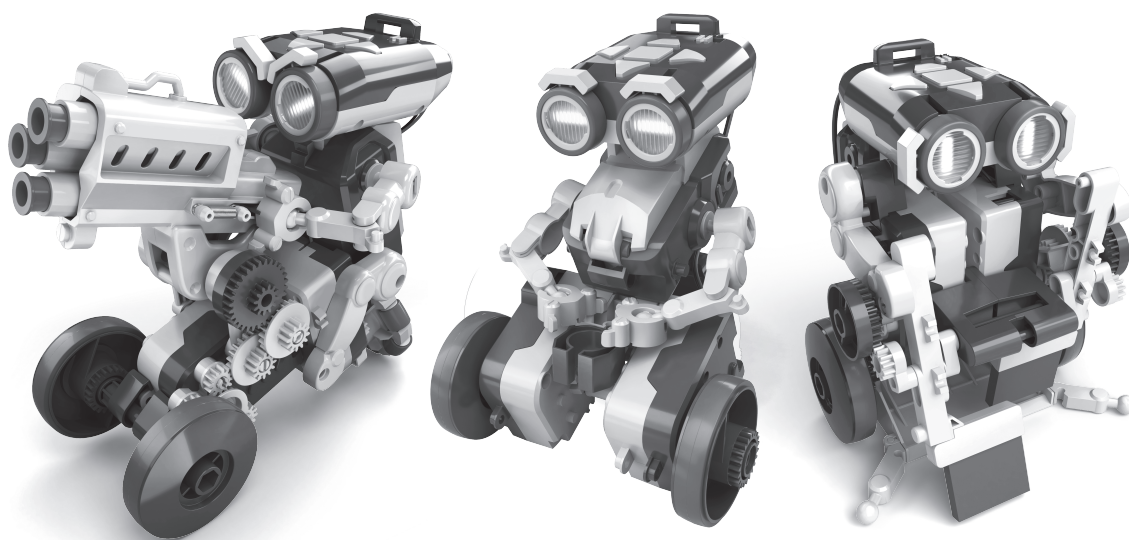
内含小零件，请勿让三岁以下孩童使用，避免误食危险。
不可对着人脸和眼部冲撞，避免造成意外伤害。



DOODLER

SWEeper

SHOOTER



- 电池移除或更换应由成人或在成人监督下进行。
- 请避免电池或电池连接器端子短路。
- 电池长期不用或电力耗尽时请取出以避免电池漏液。
- 请勿混用新旧电池及不同厂牌、种类的电池，以免造成危险或电器损耗。
- 请勿混合碱性、碳锌电池或充电电池使用。
- 电池放入前请先确认正确正负极性方向。
- 请勿试图对非充电电池进行充电。
- 充电电池应在成人监督下进行充电。
- 本产品不能连接多于一个电源。
- 充电电池在充电前应从玩具中取出。

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