

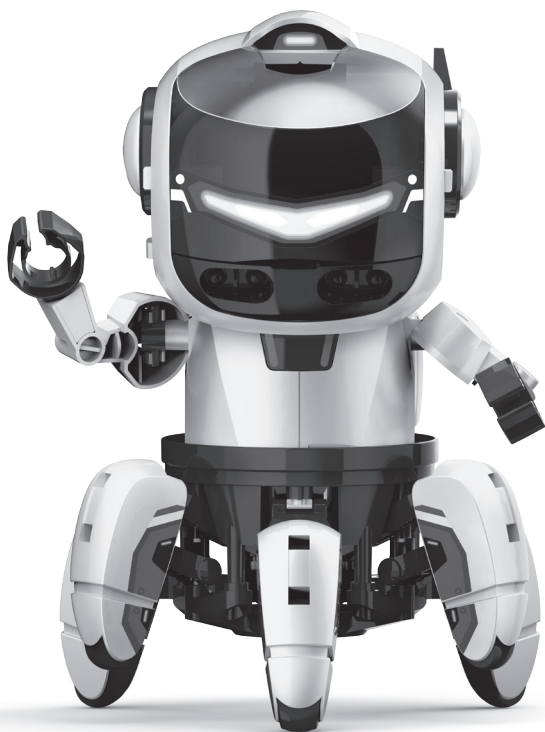
GE-894

Pro'sKit®

Probbie II

micro:bit

二代宝比机器人-Micro bit



Assembly & Instruction

Manual

组装说明手册

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二代宝比机器人-Micor:bit

Probbie II Micro:bit kit

产品介绍

宝比二代连手BBC Micro:bit 创造出无限可能! 宝比二代延续宝比一代灵活的6足走动、360度旋转的身体、红外线感应等, 更采用 Micro:bit 控制板作为核心控制, 只要透过Javascript Blocks或是Python程序编程, 不须再另外下载其它编程软/硬件, 就能拥有一只聪明、可爱的专属机器人! 玩中学、学中做就是这么简单!

利用BBC Micro:bit 编程, 发挥你的创意, 激荡你的脑力, 与宝比二代一起迸发无穷潜力!



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。

自备工具如右



斜口钳



#1 十字起子



AAA电池4颗

建议使用碱性电池(出货不含)

零件列表

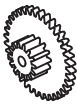


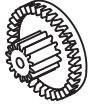
部分产品含有锐利边角, 组装时请特别注意

P1 小齿轮(白色)	数量
	2

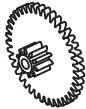
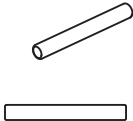
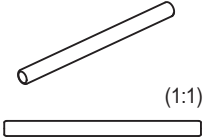
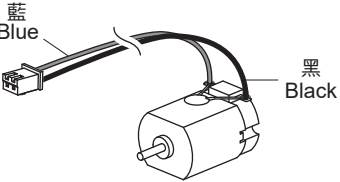
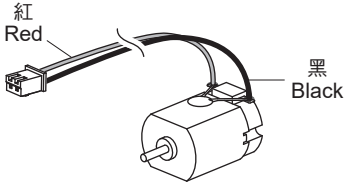
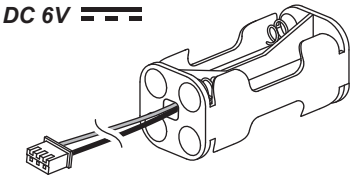
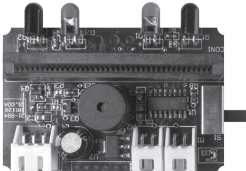
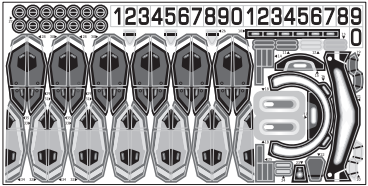
P2 齿轮(灰色) 32/10T	数量
	1

P3 齿轮(蓝色) 32T	数量
	1

P4 齿轮(绿色) 36/14T	数量
	1

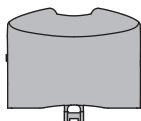
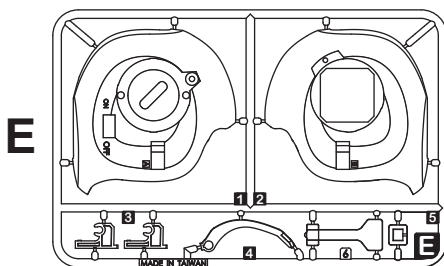
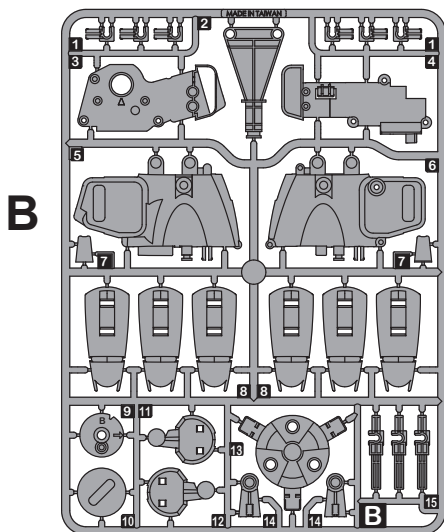
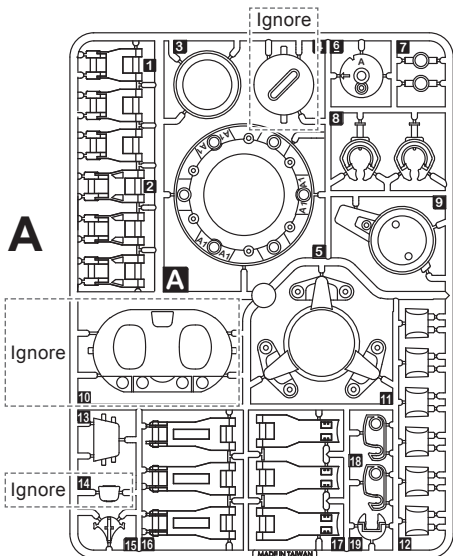
P5 齿轮(白色) 36/14T	数量
	2

P6 齿轮(橘色) 36T	数量
	1

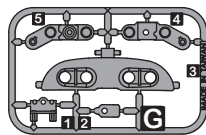
P7 齿轮(粉红色) 40/10T	 数量 1
P8 出力齿轮(橘色) 10T	 数量 2
P9 自攻螺丝	 1:1 数量 20
P10 华司螺丝	 1:1 数量 4
P11 圆轴(短)	 (1:1) 数量 3
P12 圆轴(长)	 (1:1) 数量 2
P13 马达端子组	 藍 Blue 黑 Black 数量 1
P14 马达端子组	 紅 Red 黑 Black 数量 1
P15 电池座	 DC 6V 数量 1
P16 电路板	 数量 1
P17 装饰贴纸	 数量 1
P18 垫片	 数量 1

塑料模型零件

! 请依照组装步骤将所需的零件剪下，事先全数剪下会在组装时造成混淆



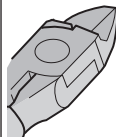
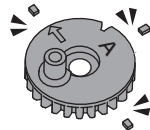
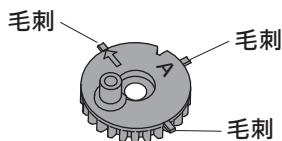
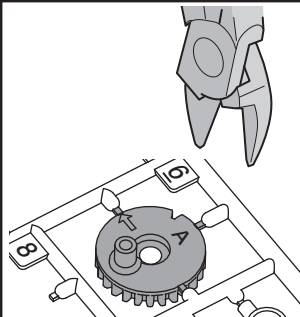
F



G

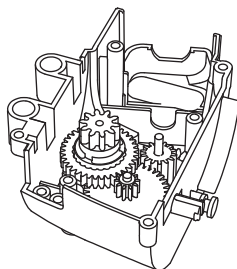
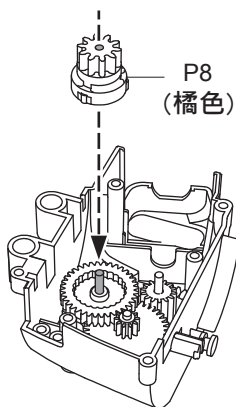
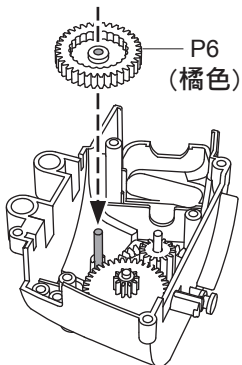
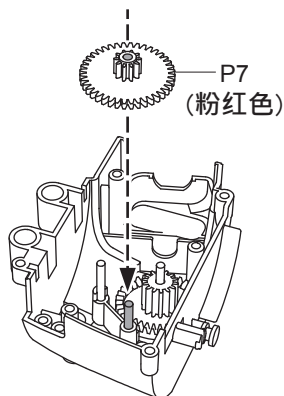
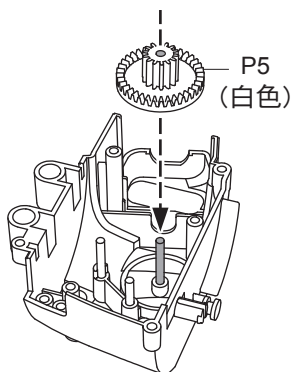
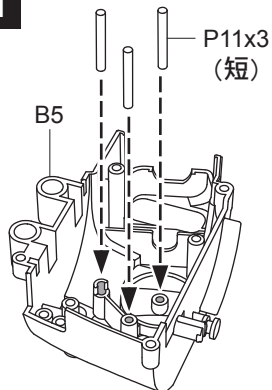


小技巧提醒:零件剪下时请将毛刺剪切干净，以免组装后造成运作不良

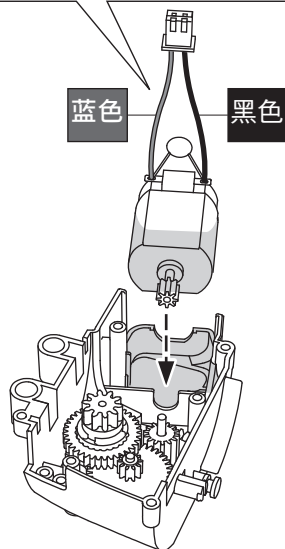
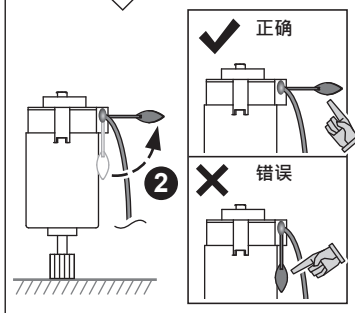
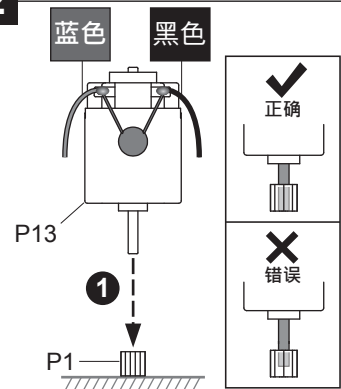


身体组装

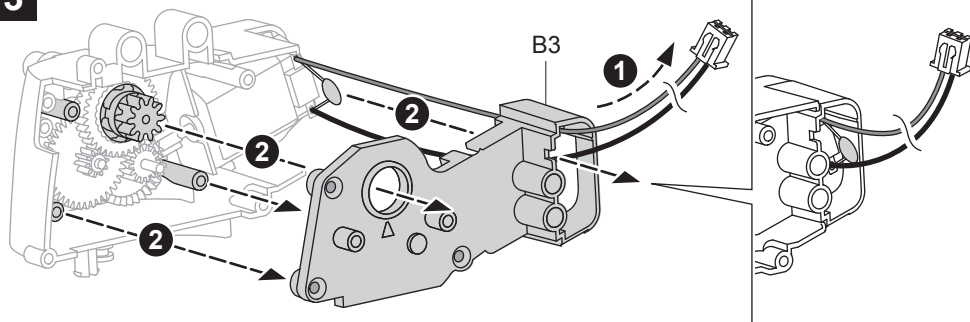
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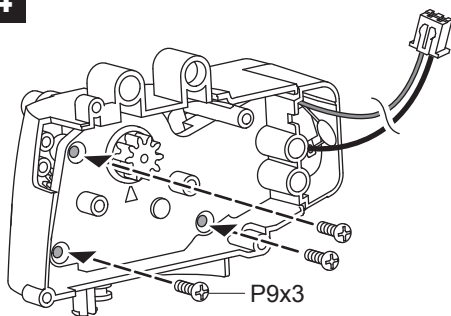
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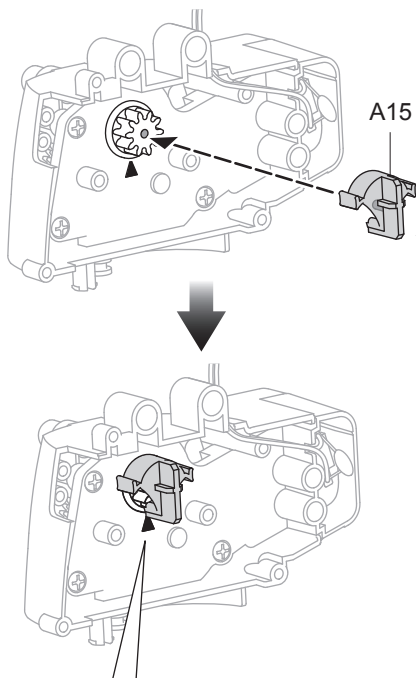
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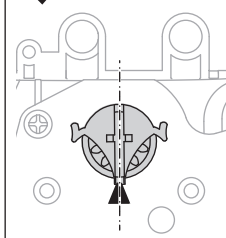
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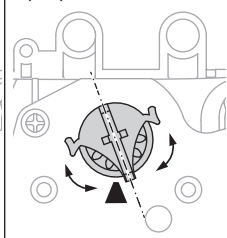
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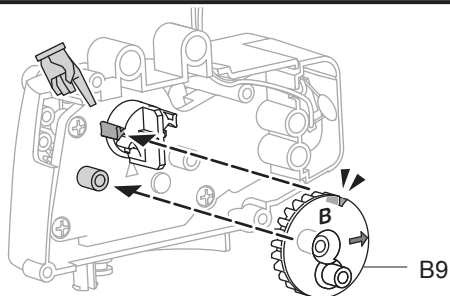
正确



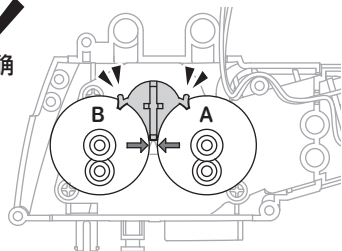
错误



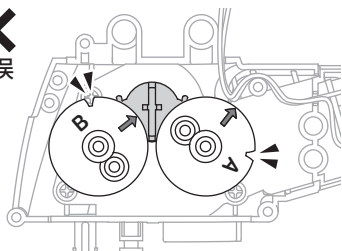
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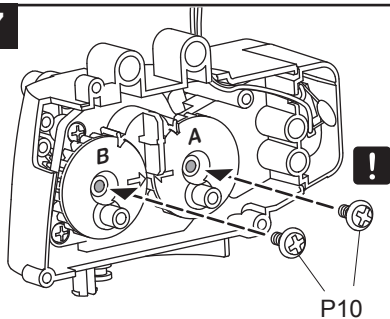
正确



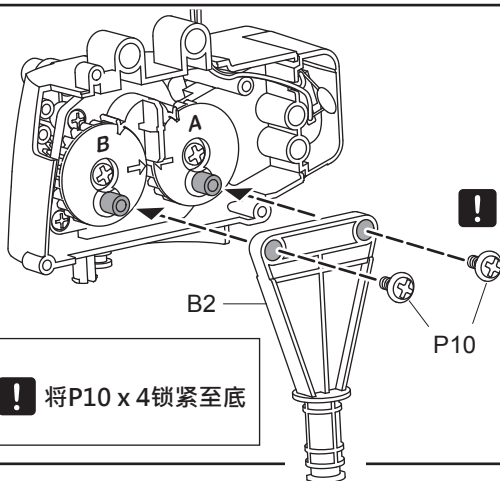
错误



7



P10

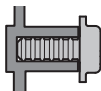


B2

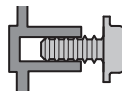
P10



正确

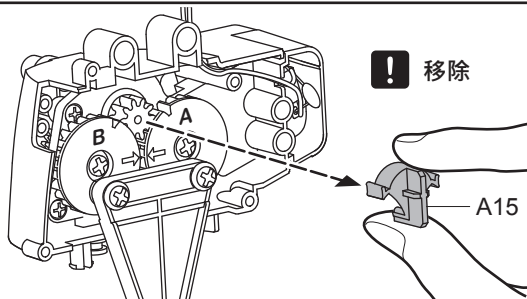


错误



将P10 x 4锁紧至底

8



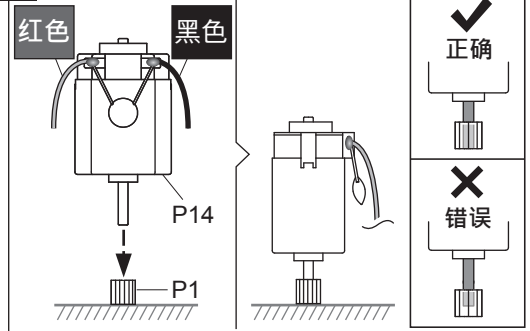
! 移除



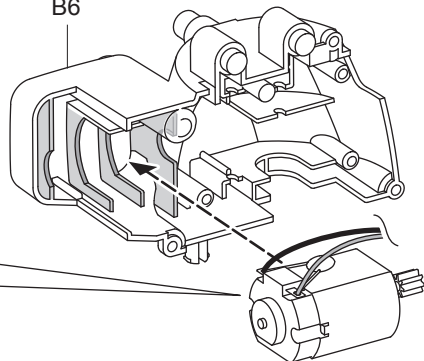
注意: A15为辅助工具·
请在上述步骤完成后取下

A15

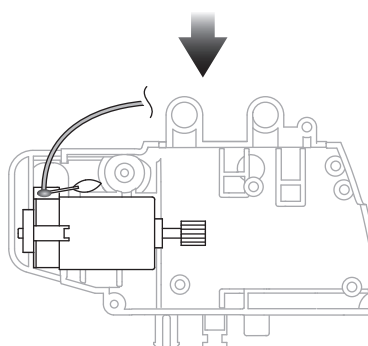
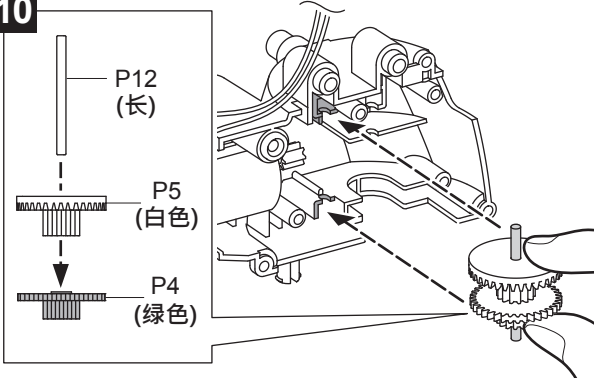
9



B6

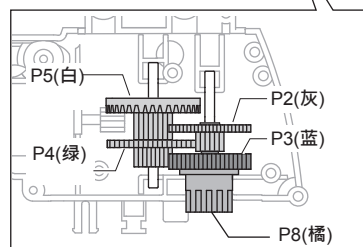
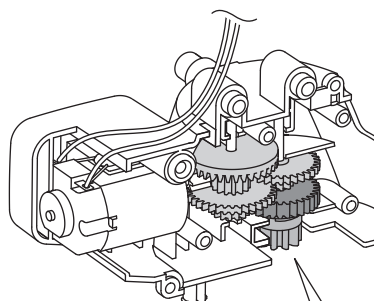
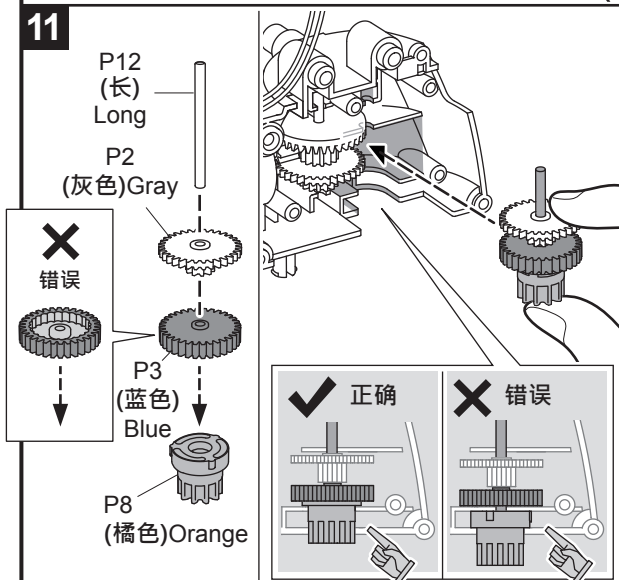


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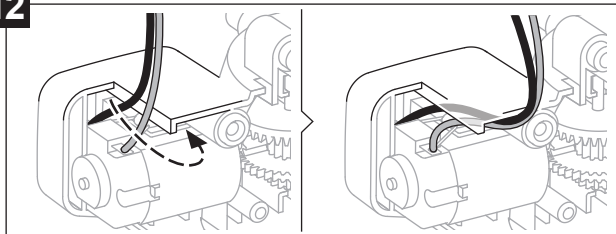


侧视图

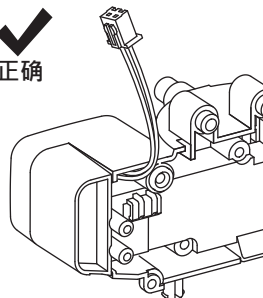
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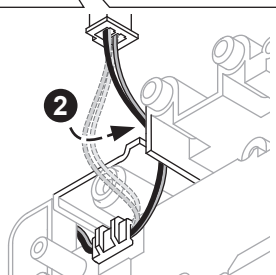
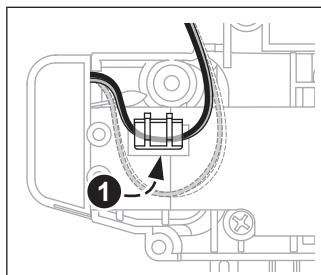
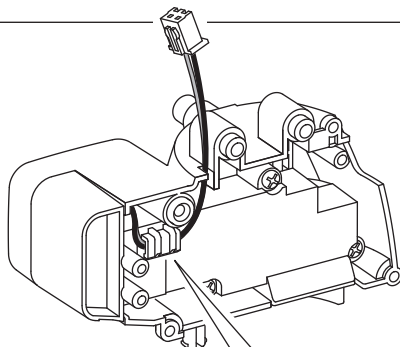
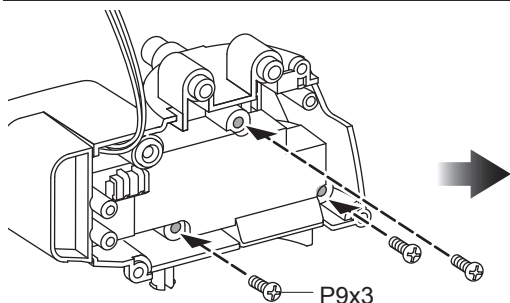
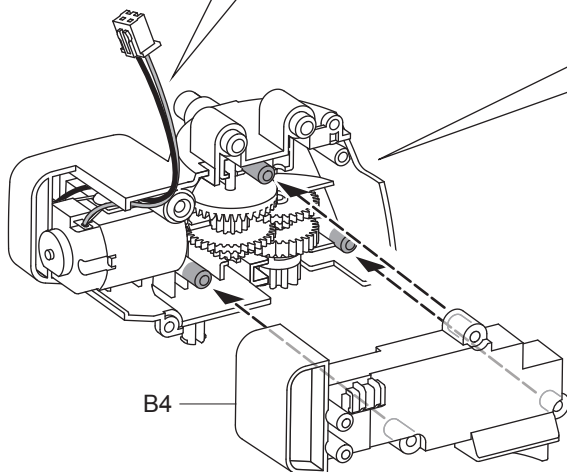
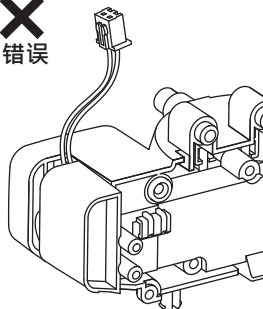
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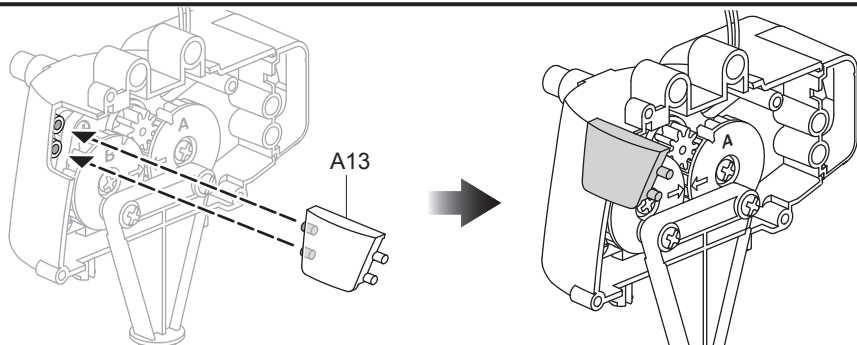
✓
正确



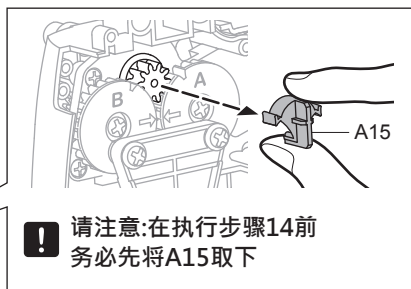
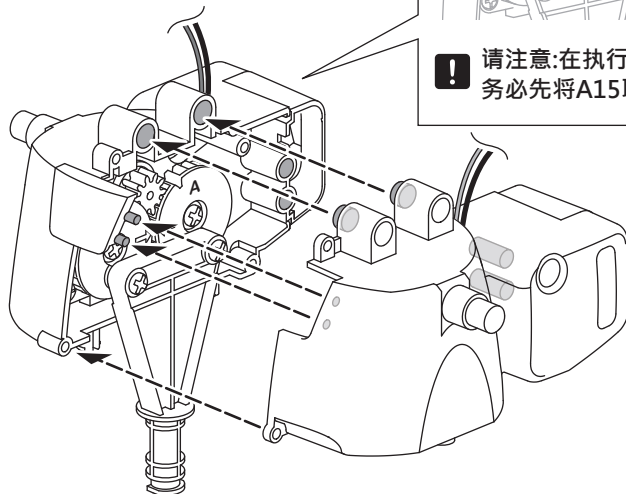
✗
错误



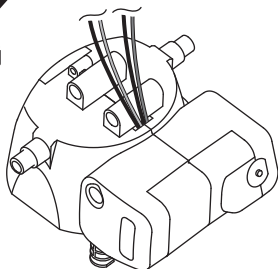
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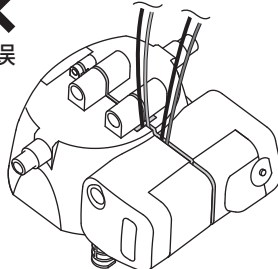
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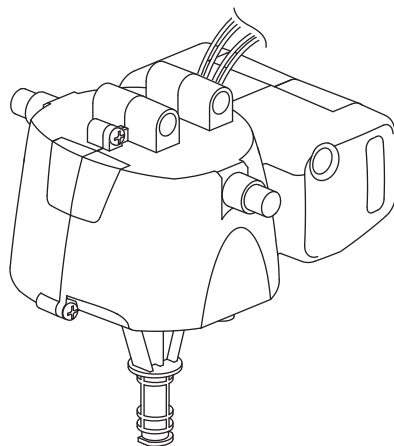
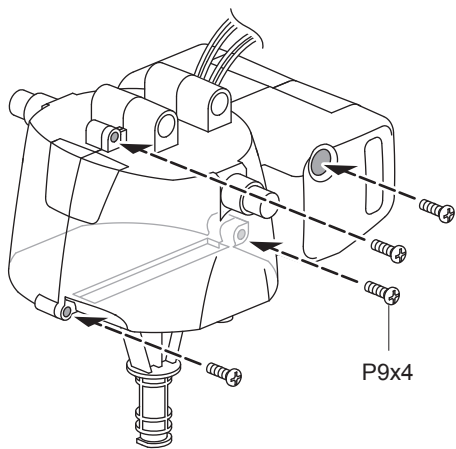
✓
正确



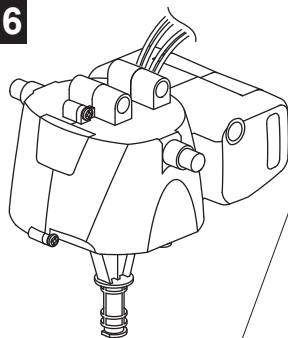
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错误



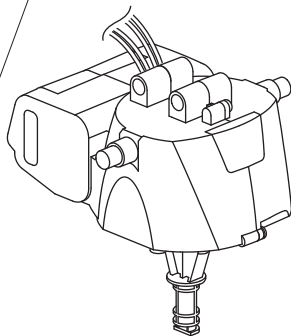
15



16



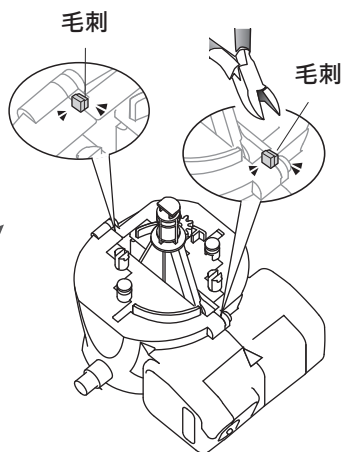
右视图



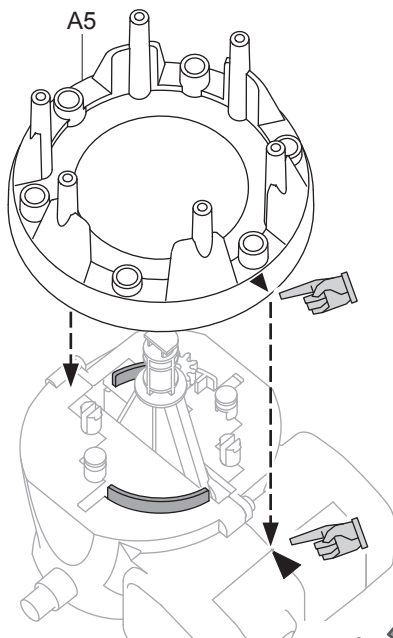
左视图



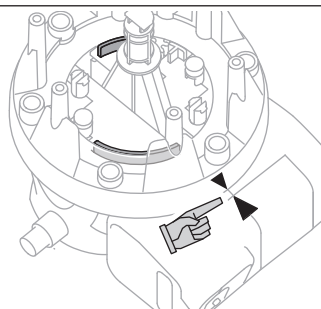
! 组装前请将毛刺剪切干净



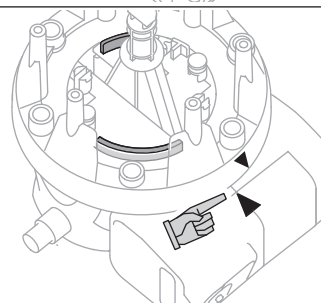
17



正确

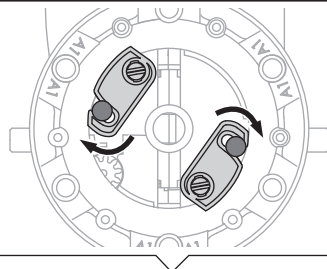
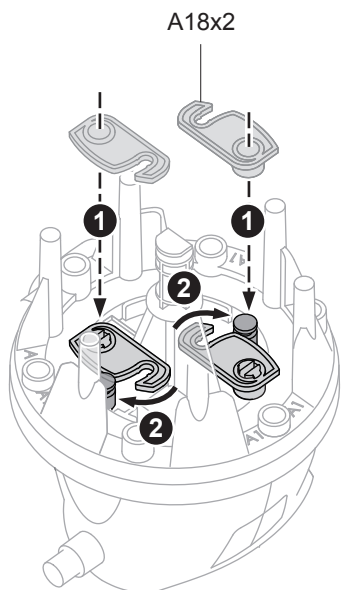


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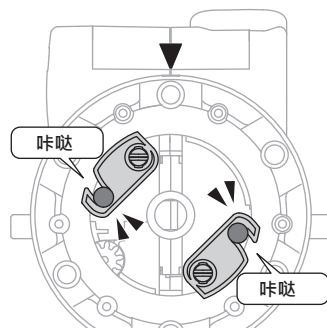


18

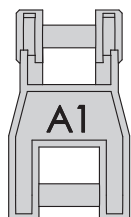
180°



请确认A18扣住时有发出“咔哒”声

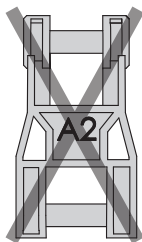


俯视图



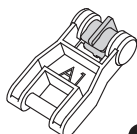
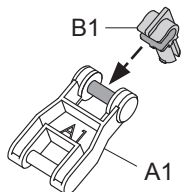
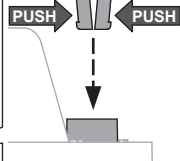
比例

Scale 1:1

请勿将A1与A2混淆
Don't mix up A1 & A2.

B1

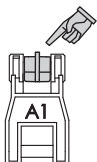
A1



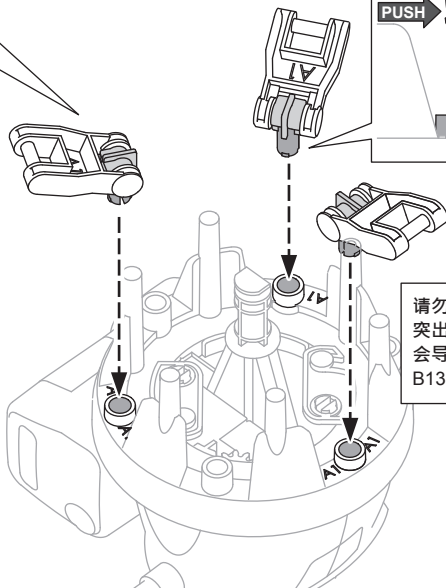
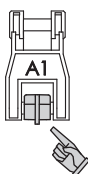
x3



正确



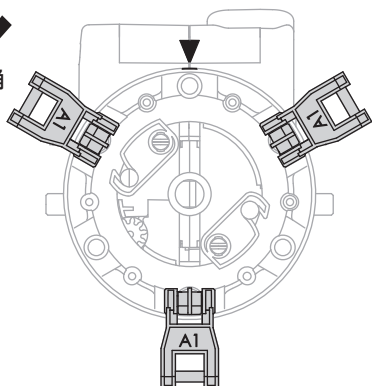
错误



请勿将尾部微微
突出的卡棒修平
会导致无法固定
B13底座。



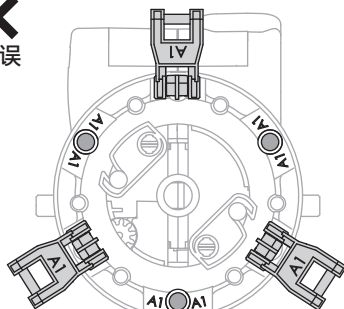
正确



俯视图

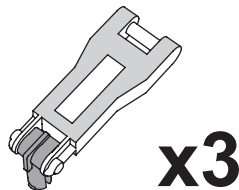
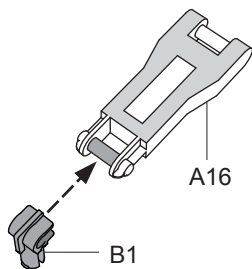


错误

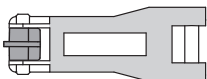


俯视图

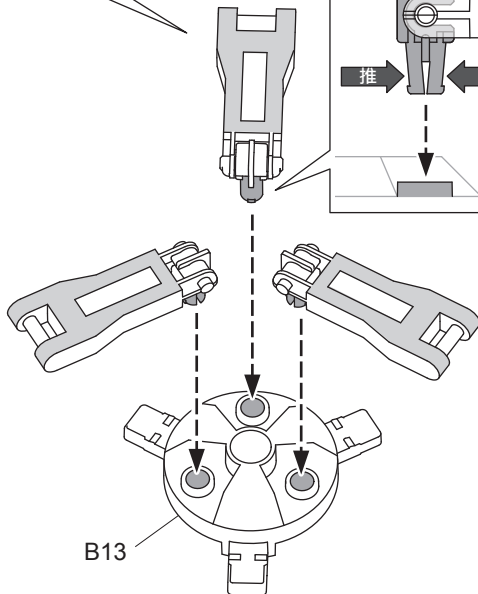
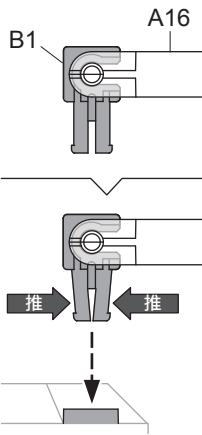
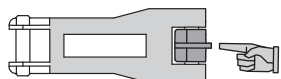
20



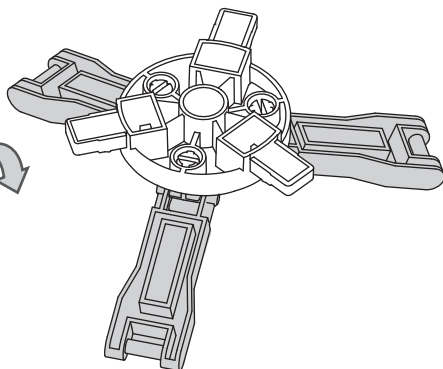
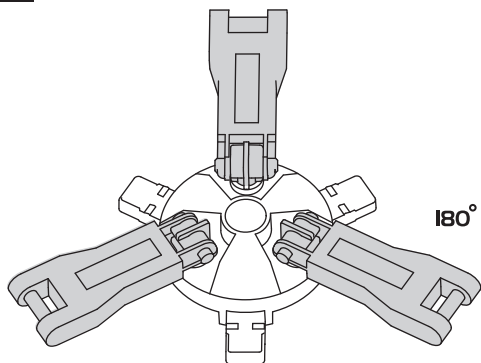
正确

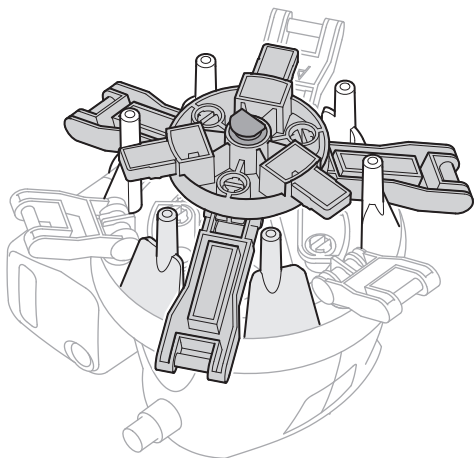
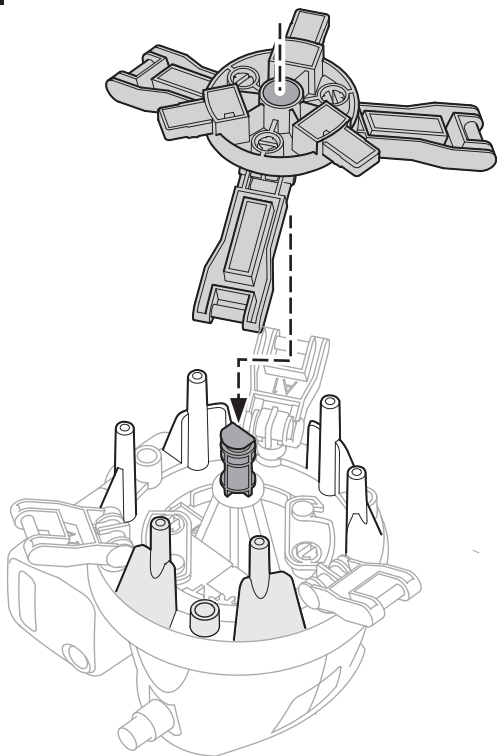


错误

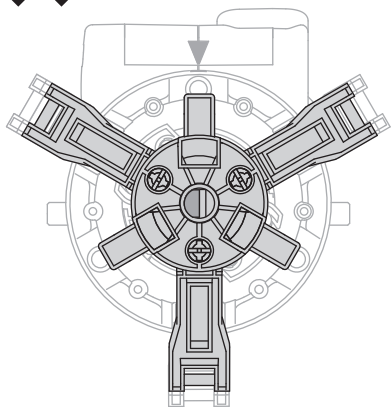


21



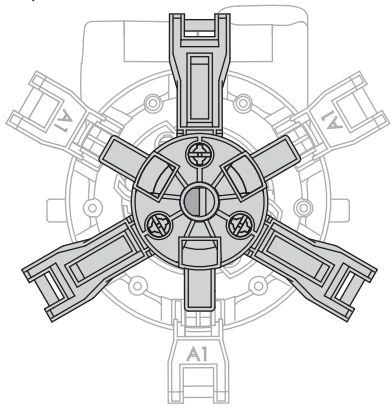


✗ 错误



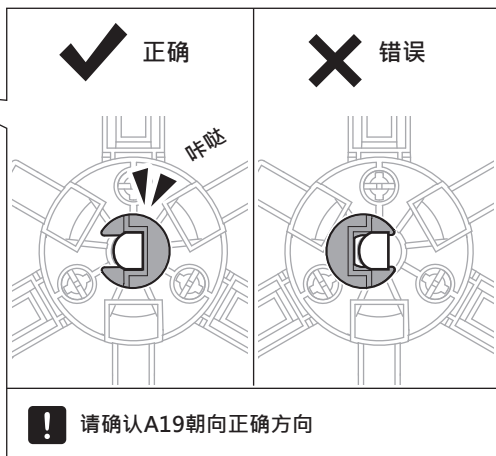
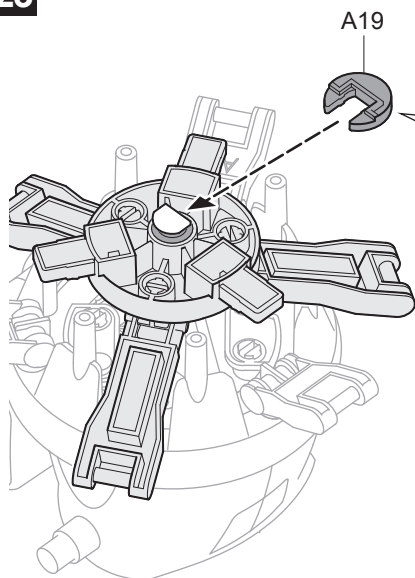
俯视图

✓ 正确

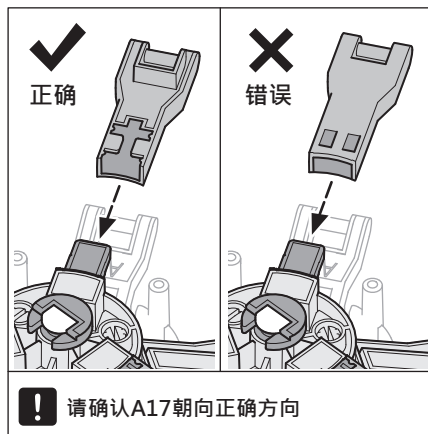
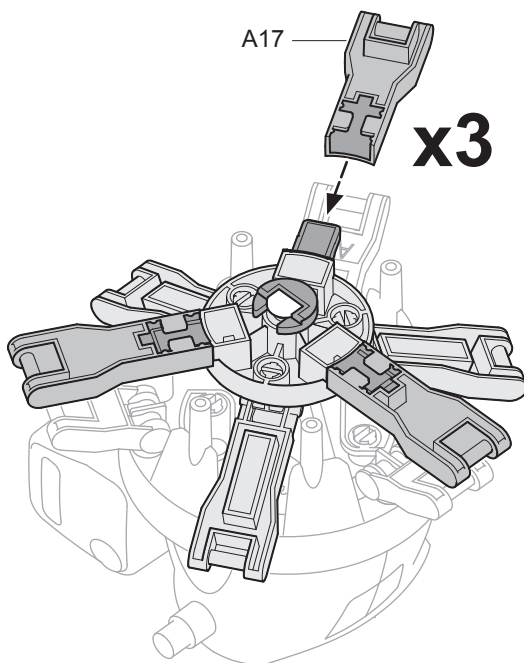


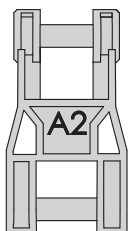
俯视图

23



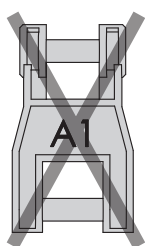
24



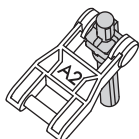
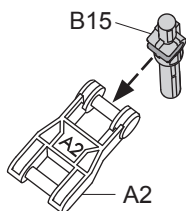


比例

Scale 1:1



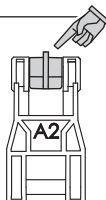
请勿将A1与A2混淆



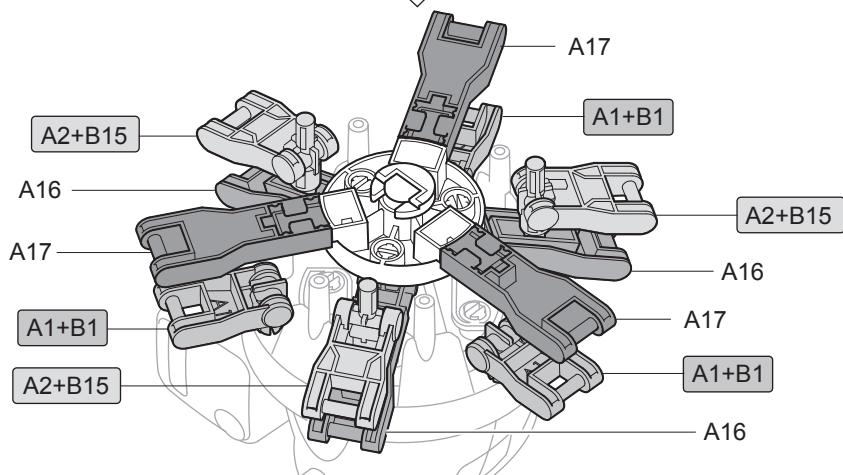
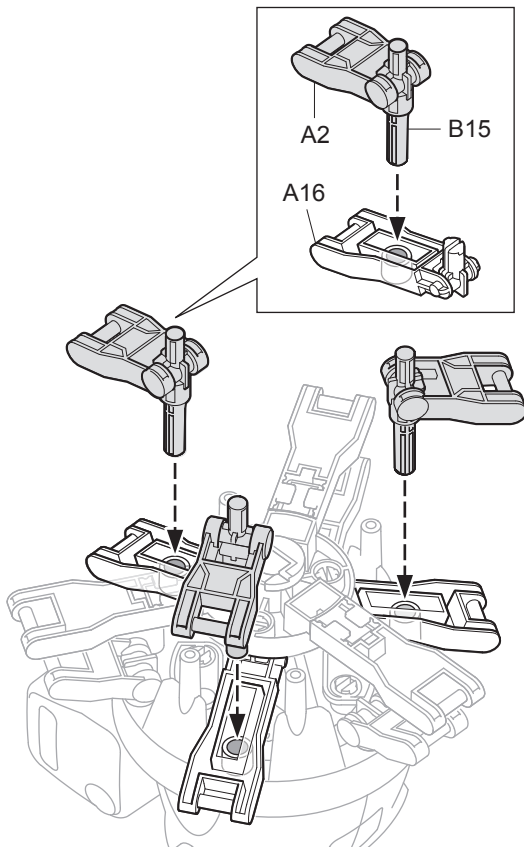
x3



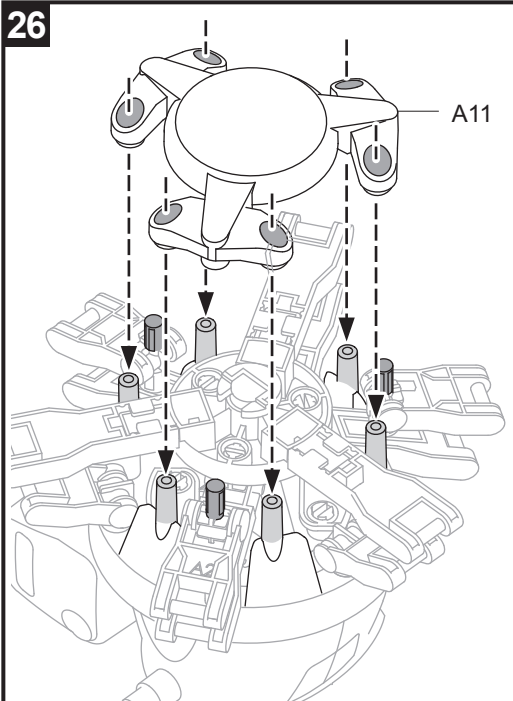
正确



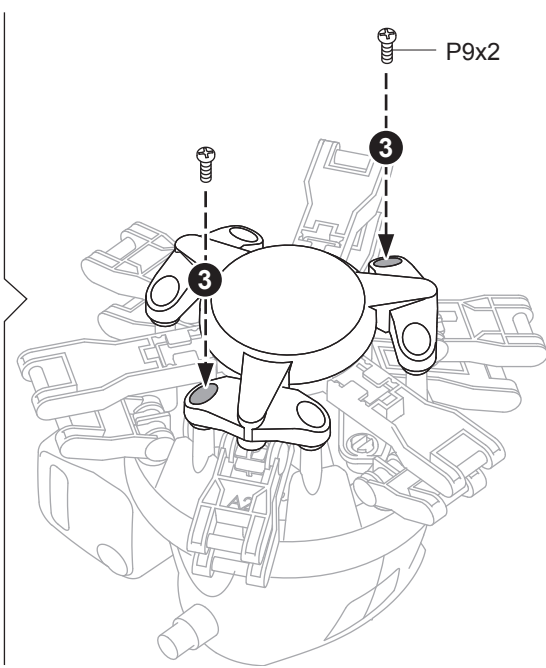
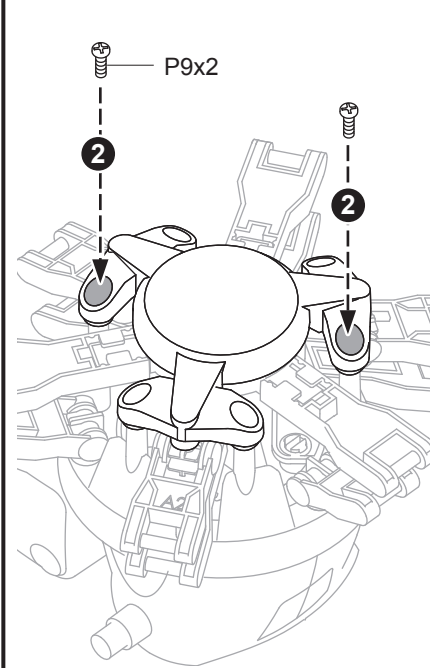
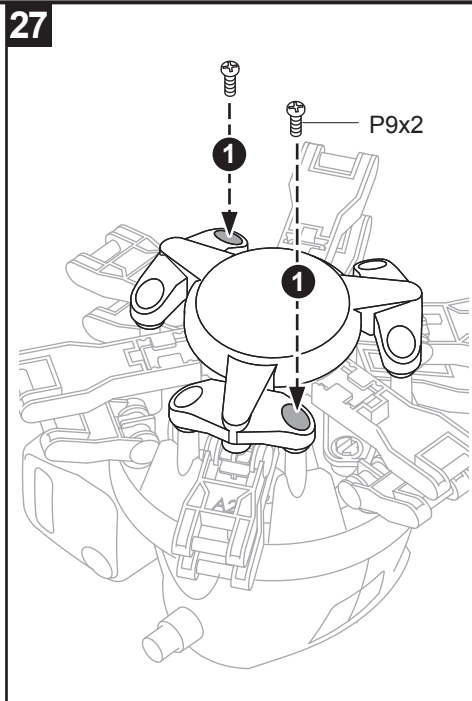
错误



26

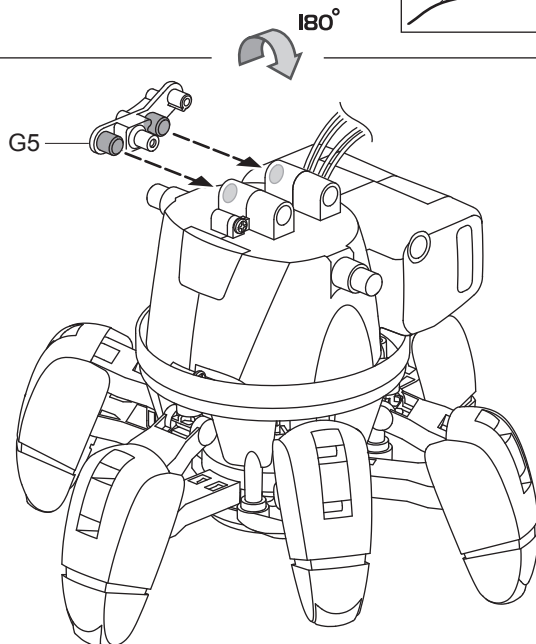
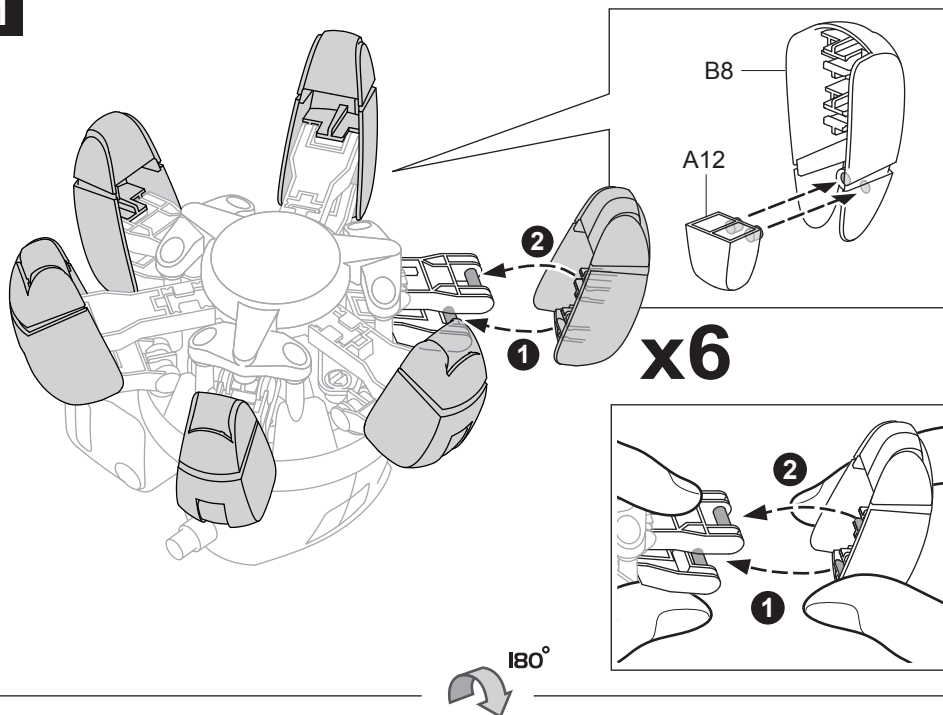


27

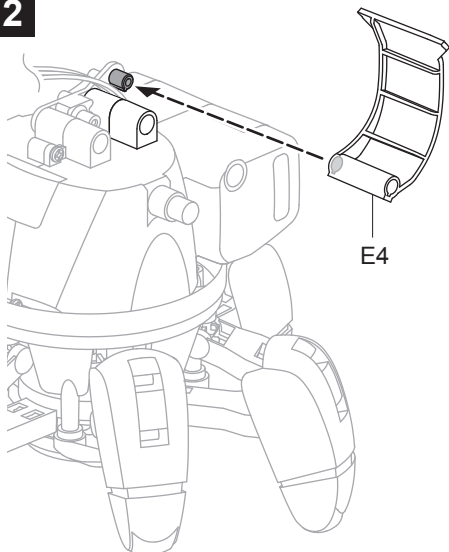


足部、头部、手臂组装

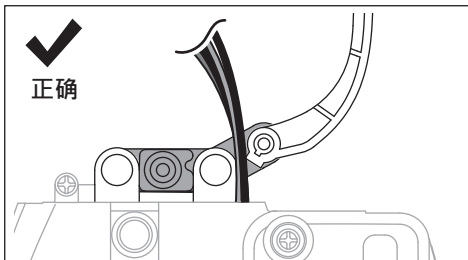
1



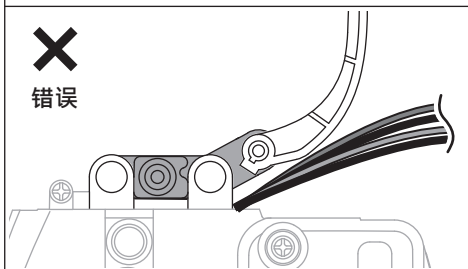
2



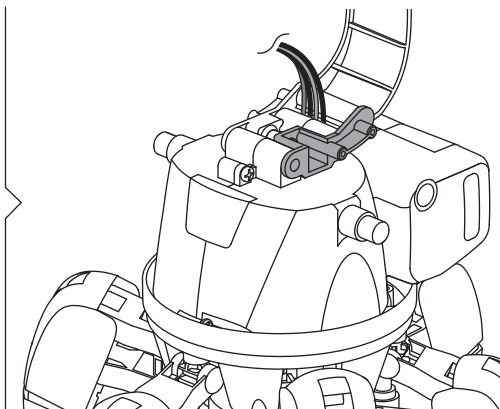
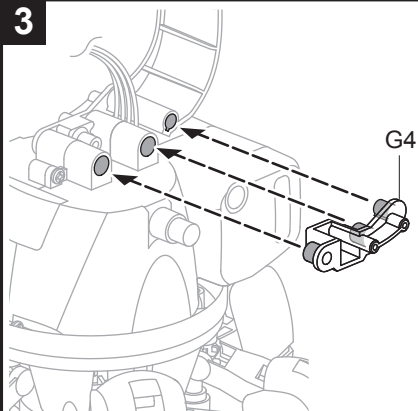
正确



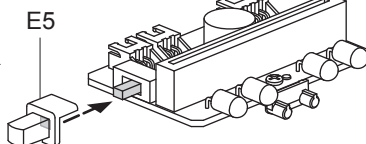
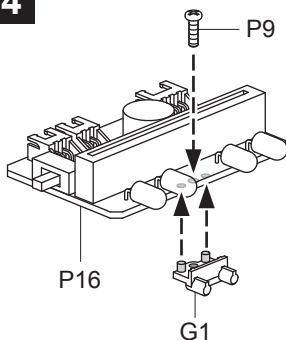
错误



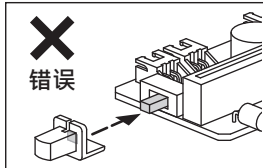
3



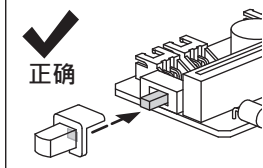
4



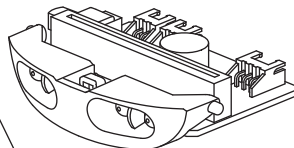
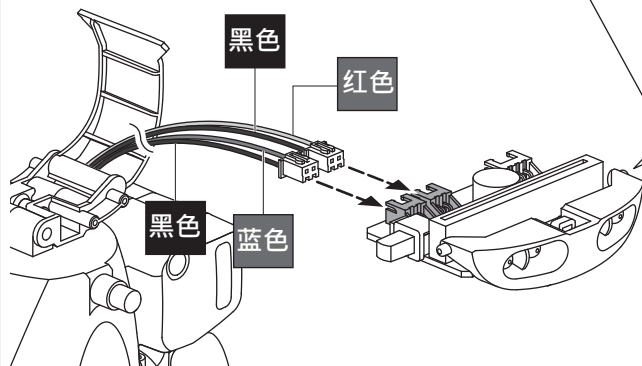
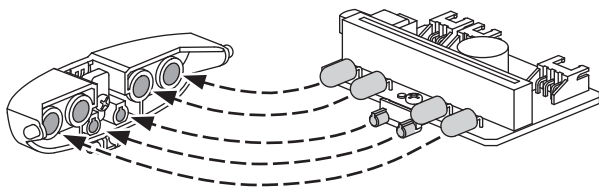
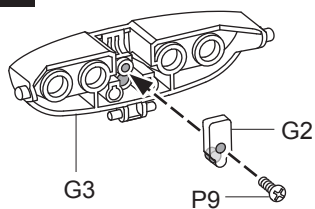
错误



正确

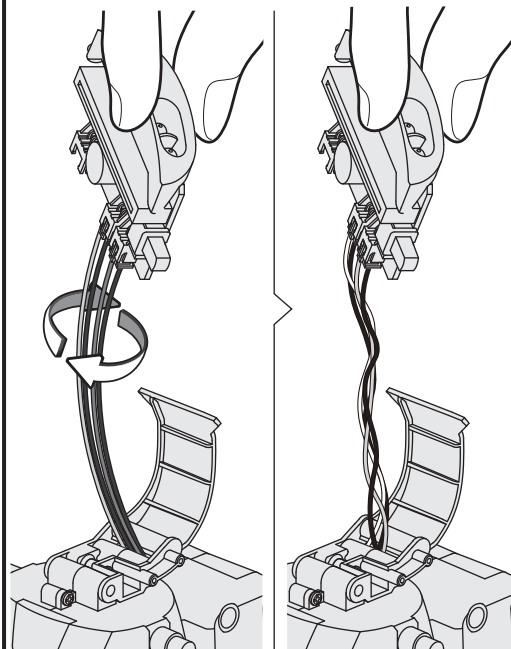


5

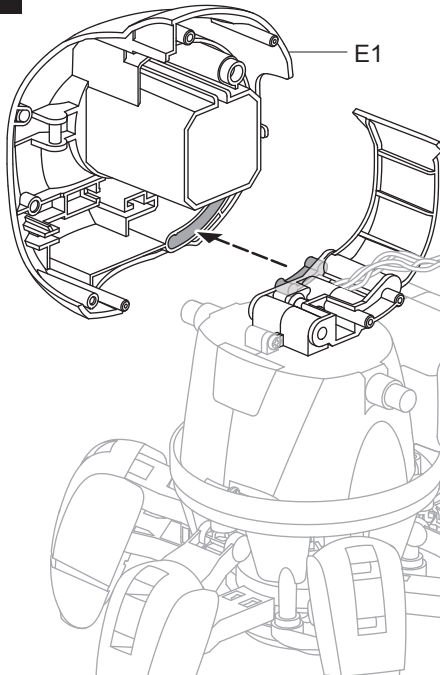


6

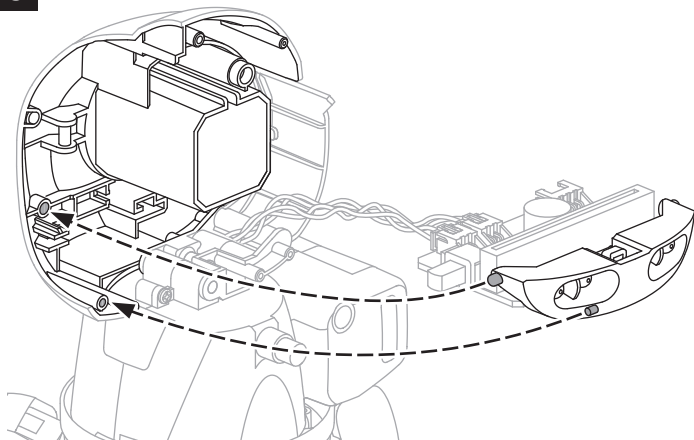
！ 请如图示将线绕转三圈



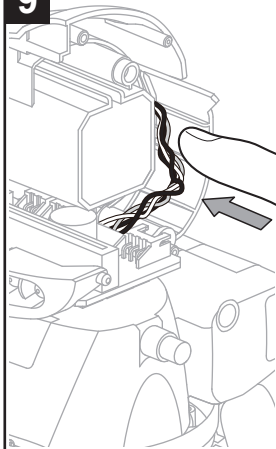
7



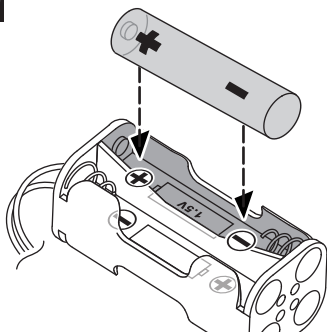
8



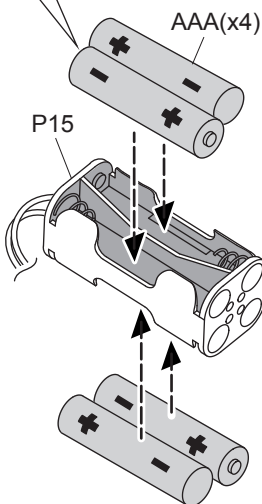
9



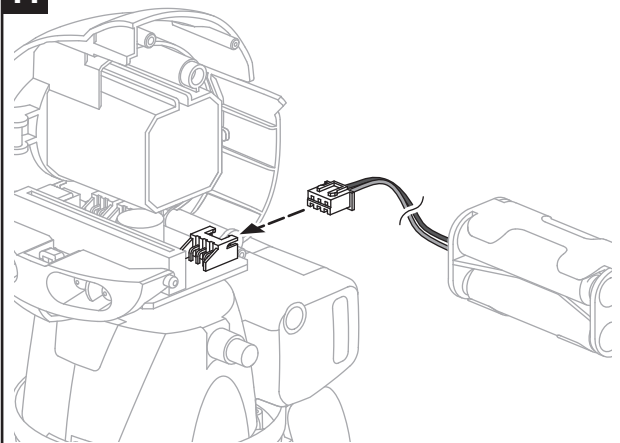
10



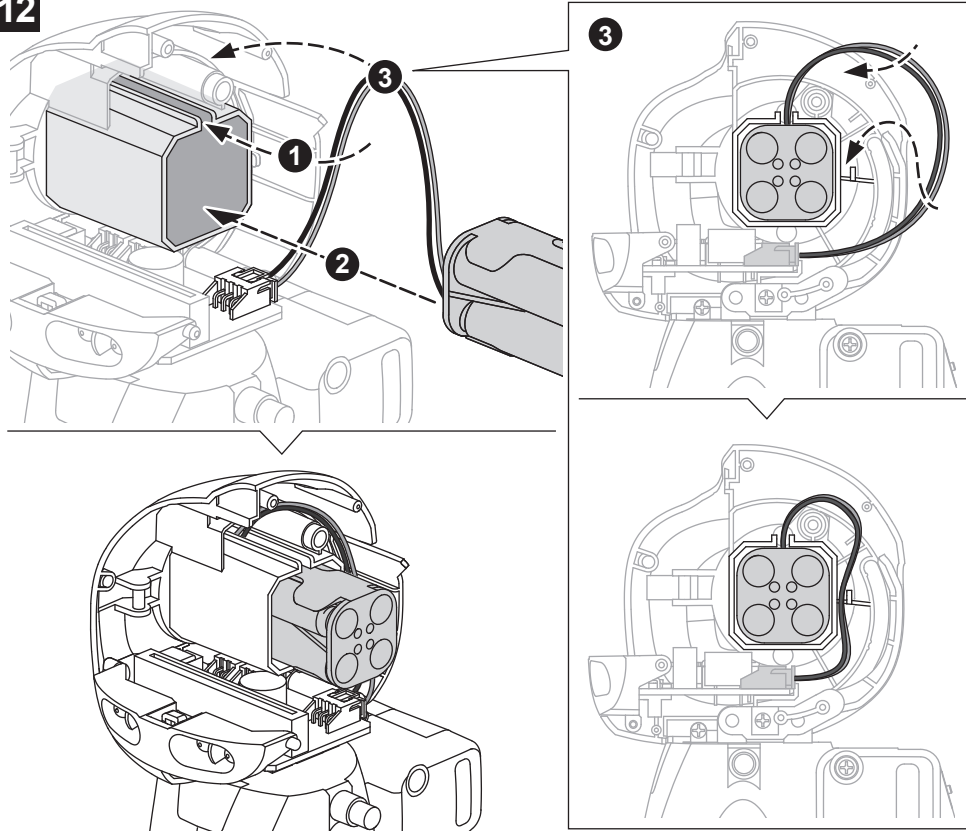
- 电池移除或更换应由成人或在成人监督下进行
- 请避免电池或电池连接器端子短路
- 请勿混用新旧电池及不同厂牌、种类的电池，以免造成危险或电器损耗
- 请勿混合碱性、碳锌电池或充电电池使用
- 请勿试图对非充电电池充电
- 电池长期不用或电力耗尽时请取出以避免电池漏液



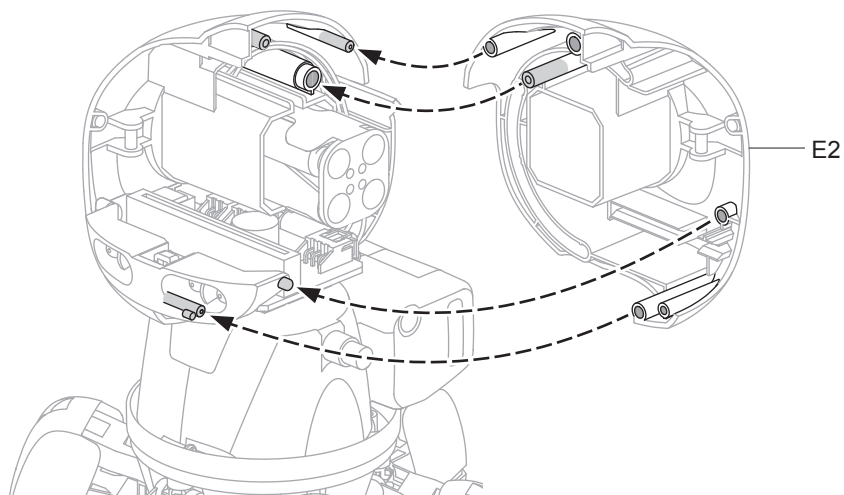
11



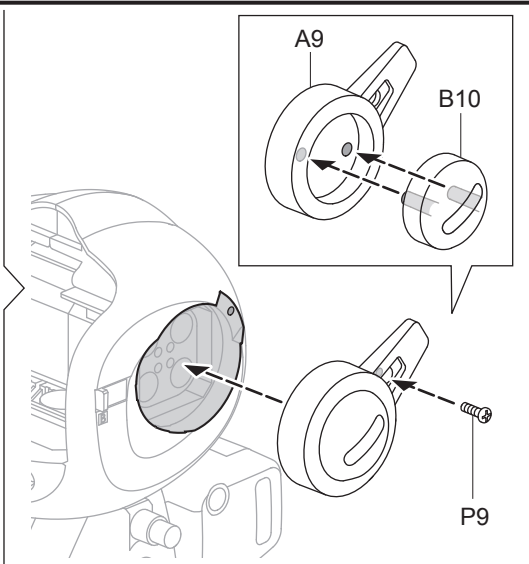
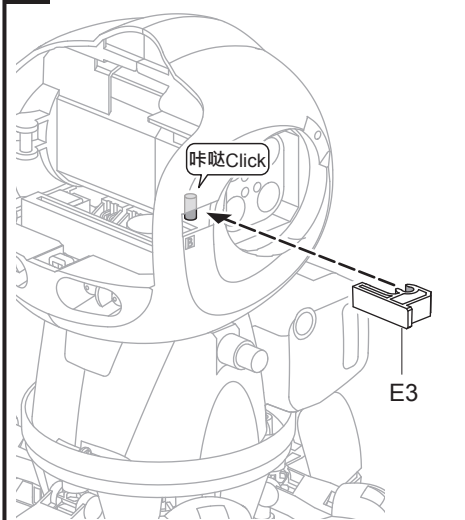
12



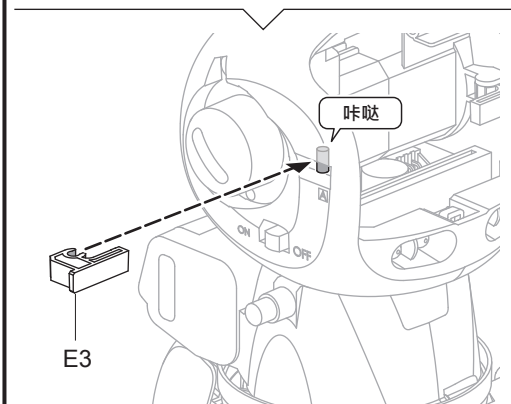
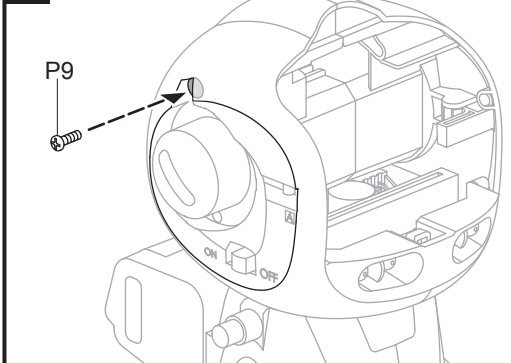
13



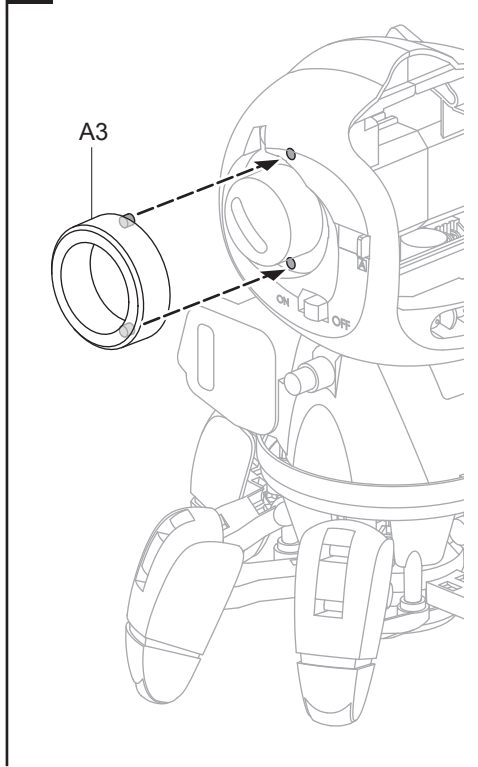
14



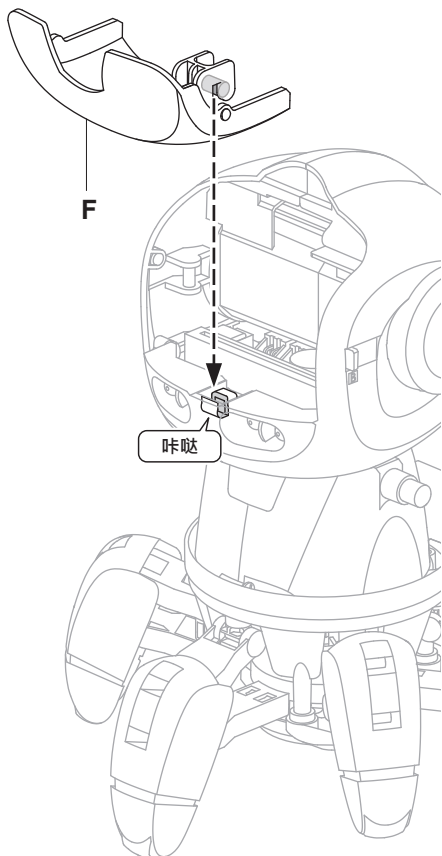
15



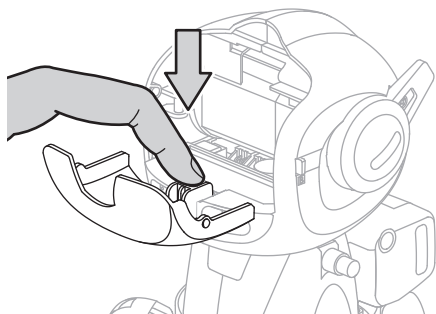
16



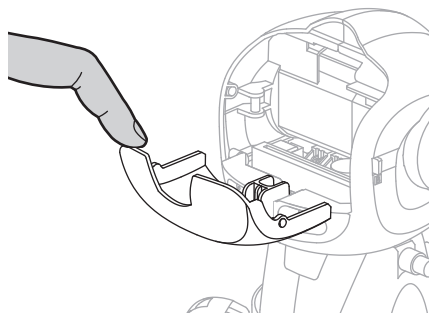
17



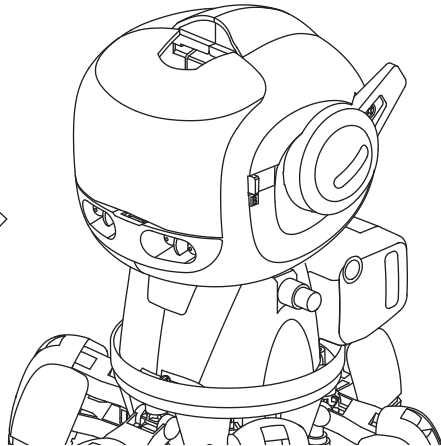
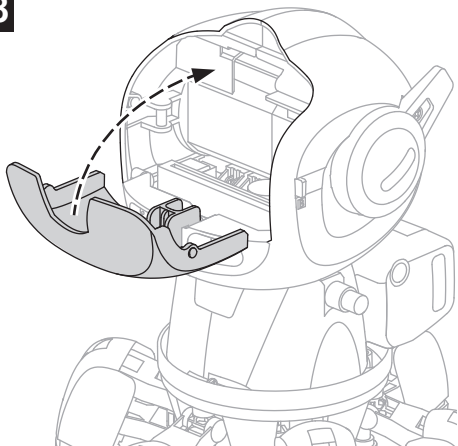
✓ 正确



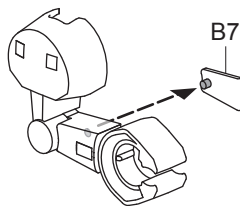
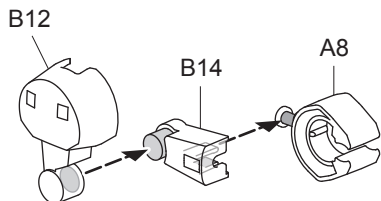
✗ 错误



18



手臂 右

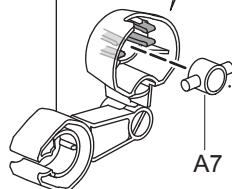


! 组装前请将毛刺
剪切干净

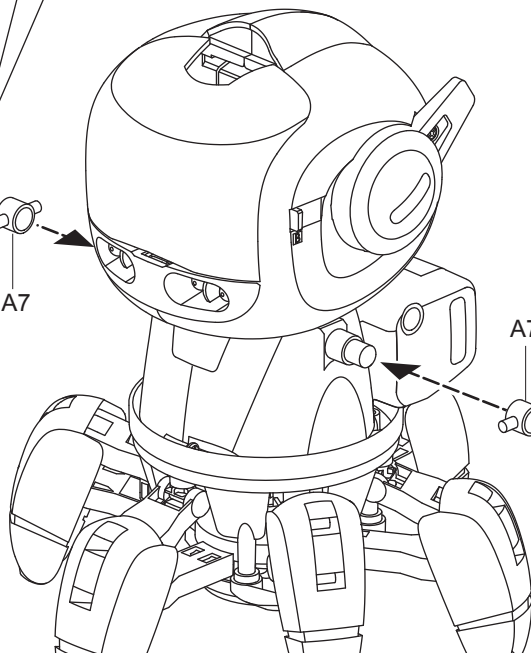


毛刺
毛刺 B7

手臂 右

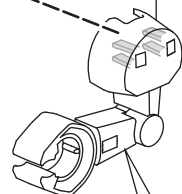


A7

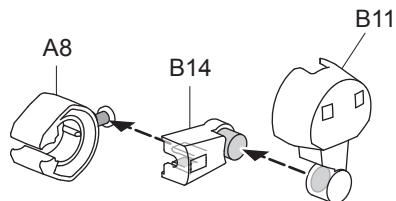


手臂 左

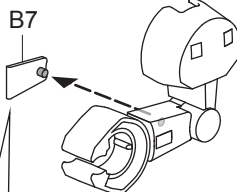
A7



手臂 左



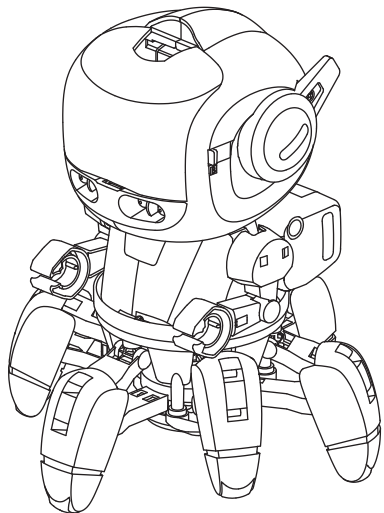
B11



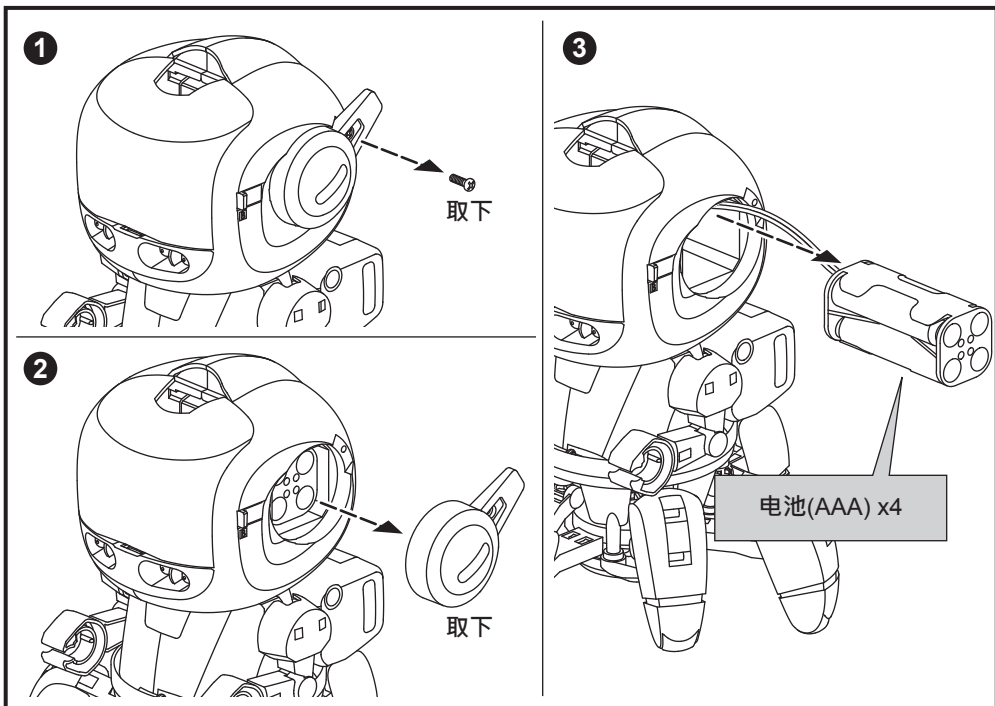
! 组装前请将毛刺
剪切干净



毛刺
毛刺 B7



电池更换



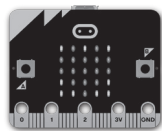
所需设备



电脑



智慧型手机



Micro:bit



Micro USB传输线



请扫描左侧QR Code依据您的设备
下载Micro: bit 程序安装指南

<https://pan.baidu.com/s/1Z2E3BRSczZrQt6bjtMsew>

提取码 idtv

Windows OS

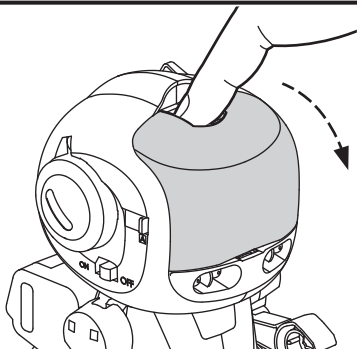
mac OS

Android™

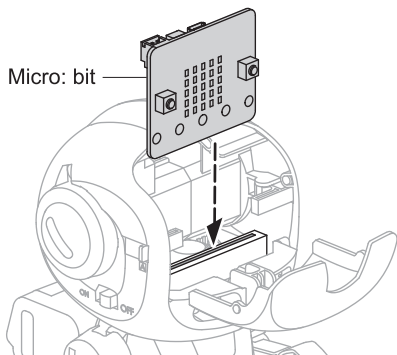
iOS

Micro: bit 安装方式

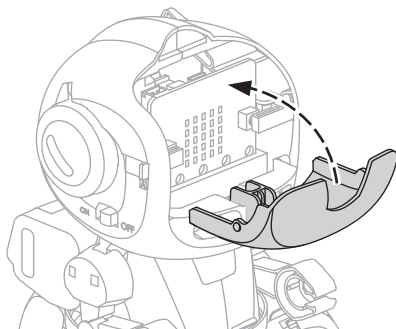
1



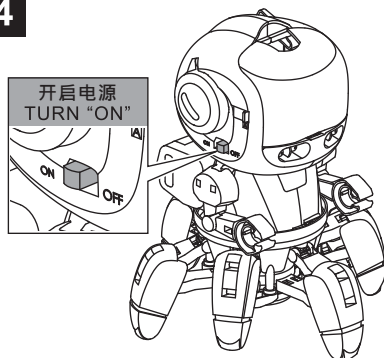
2



3



4



线上下载程序

我们提供12种游玩模式，
扫描右侧QR Code 即可下载应用



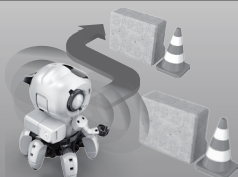
游戏程序 提取码
euck
<https://pan.baidu.com/s/1sFllsKZVrS4rSKVt8ZuvQ>



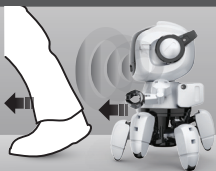
youku

http://list.youku.com/albumlist/show/id_52119532.html

1. 探险家宝比



2. 小跟班宝比



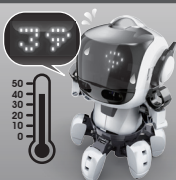
3. 唱跳宝比



4. 觅光宝比



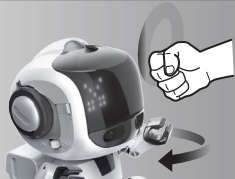
5. 宝比温度计



6. 计算神脑宝比



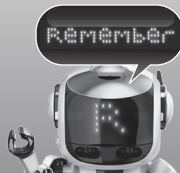
7. 猜拳看谁赢



8. 掷骰子比大小



9. 公告板宝比



10. 罗盘宝比



11. 宝比打保龄



12. APP遥控模式 APP Remote Control
(此模式适用于Android™ 5.0/iOS11 以上系统)



更多游玩模式可再利用Micro:bit编程。发挥你的创意小宇宙，创造宝比的无限可能，只要将计算机中编辑完成后的程序下载到Micro:bit 网站“MakeCode Editor”，就能让宝比执行更多任务！



Download on the
App Store



GET IT ON
Google Play

蓝牙遥控模式APP免费下载：请至APP STORE
或 GOOGLE PLAY 搜索「Probbie II」即可免费
下载宝比2 蓝牙遥控模式



注意事项



正确



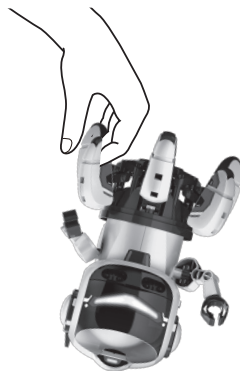
拿取时，请小心握住宝比的头部位置。
抓取错误的位置(如下图)将可能导致故障



错误



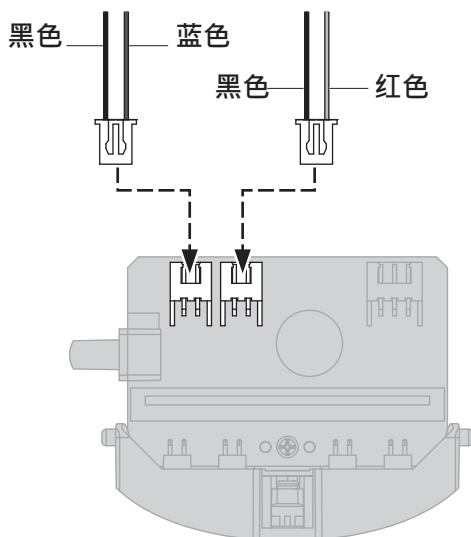
错误



错误



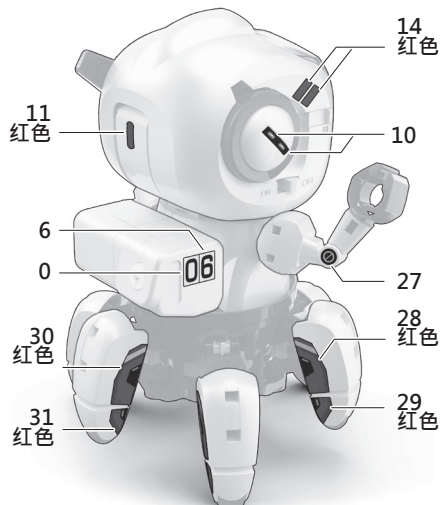
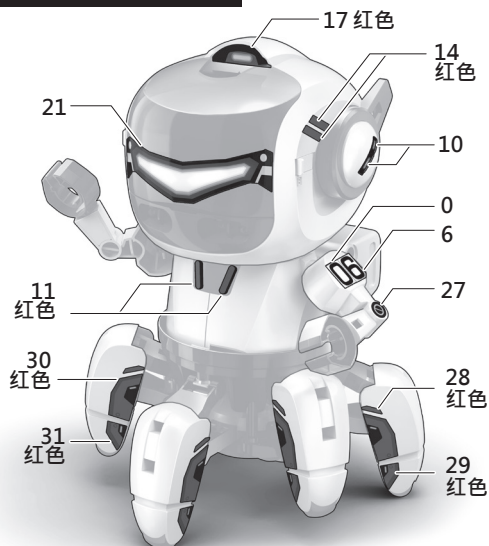
1. 请确保电池安装位置是否正确
2. 请确认线路安装位置正确(见第20页，步骤5，线路图如下)



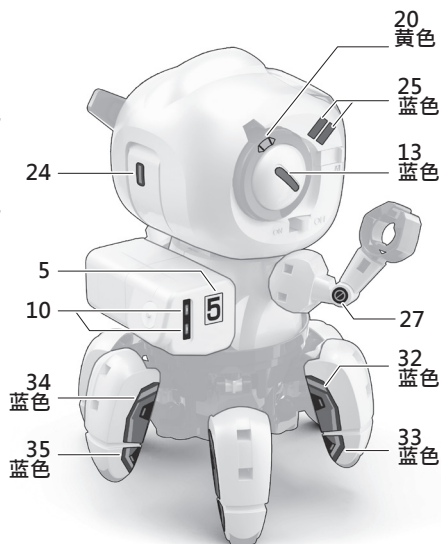
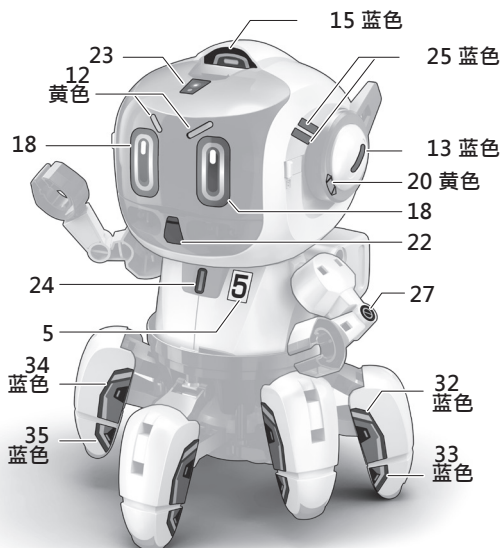
3. 当宝比处在红外线感应的模式时(如探险家宝比、小跟班宝比)，
请避免在阳光下或卤素灯下与宝比游戏，以免宝比在移动时方向错误。
4. 当宝比前进时，齿轮机箱发出“答答”声响，请依如下方式检查
 - (1)请确认A19皆安装正确(见第15页，步骤23)
 - (2)请确认A15是否已取下(见第6页，步骤8)
 - (3)请确认所有螺丝皆如指示位置锁紧(见第6页，步骤7)
5. 若宝比走路不稳或跌倒，请确认 A1(见第12页，步骤19)、
A2(见第16页，步骤25)是否混淆且是否组装正确。

打扮你的宝比

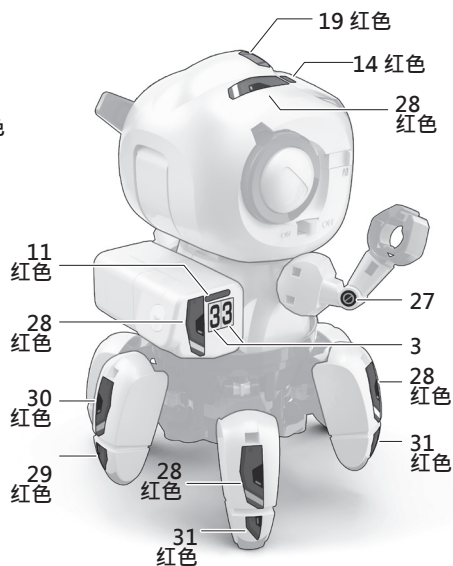
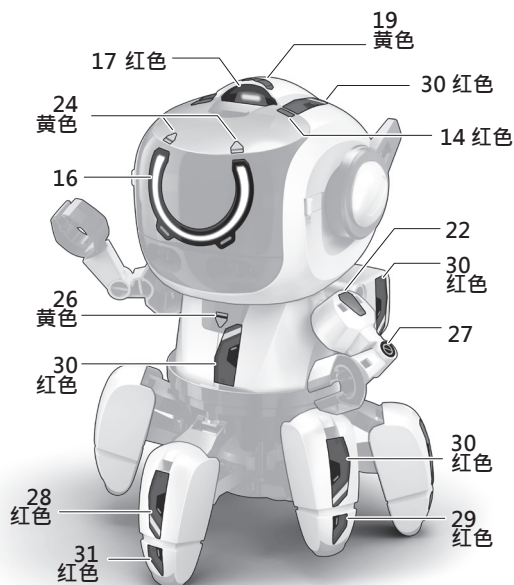
范例1



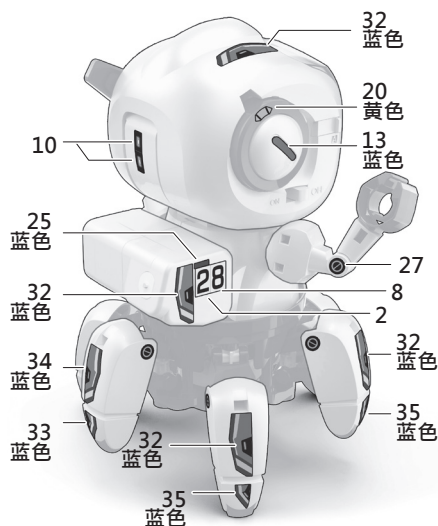
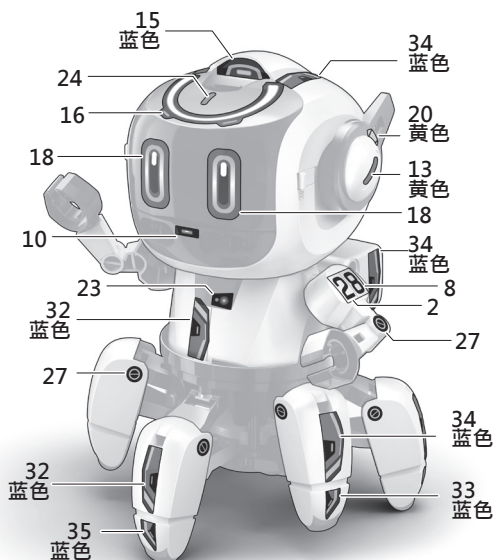
范例2



范例3



范例4



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-894 二代宝比机器人-Micor bit

零件型号	零件名称	数量
5GE-89400P1	小齿轮(白色)	
5GE-89400P2	齿轮(灰色)	
5GE-89400P3	齿轮(蓝色)	
5GE-89400P4	齿轮(绿色)	
5GE-89400P5	齿轮(白色)	
5GE-89400P6	齿轮(橘色)	
5GE-89400P7	齿轮(粉红色)	
5GE-89400P8	出力齿轮(橘色)	
5GE-89400P9	自攻螺丝	
5GE-89400P10	华司螺丝	
5GE-89400P11	圆轴(短)	
5GE-89400P12	圆轴(长)	
5GE-89400P13	马达端子组(蓝黑)	
5GE-89400P14	马达端子组(红黑)	
5GE-89400P15	电池座	
5GE-89400P16	电路板	
5GE-89400P17	贴纸	
5GE-89400P18	垫片	



警告及注意事项

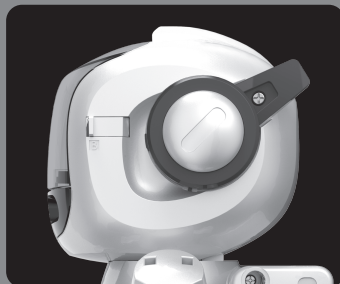
内含小零件，请勿让三岁以下孩童使用，
避免误食危险。不可对着人脸和眼部冲撞，
避免造成意外伤害。

执行标准:

GB6675.1-2014 GB6675.2-2014 GB6675.3-2014 GB6675.4-2014 GB19865-2005

Probbie II

micro:bit



- 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。

Pro'sKit®

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PROKIT'S INDUSTRIES CO., LTD

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服务热线:400-1699-629
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