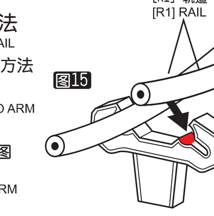
3 组装重点 KEYPOINT

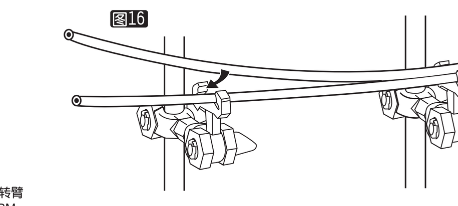
❶ 轨道的组装方法
HOW TO INSTALL THE RAIL

○轨道装入旋转臂的组装方法 图15 图16
○THE WAY TO INSTALL RAIL TO ARM PIC.15 PIC.16

如图15，对准旋转臂的图中位置组装轨道
INSTALL THE RAIL TO THE ARM AS PIC.15 SHOWN

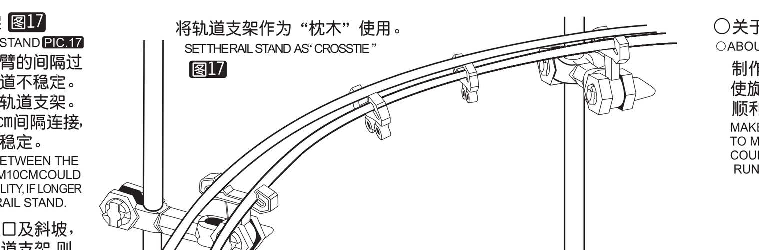


将轨道插入旋转臂。
INSERT THE RAIL INTO THE ARM
※因轨道有易弯曲的属性，组装前需作适当调整
ADJUST THE BEND RAIL BEFORE INSTALLING



○关于轨道支架 图17
○ABOUT THE RAIL STAND PIC.17
旋转臂和旋转臂的间隔过长时会造成轨道不稳定。因此，请装上轨道支架。如果以8cm~10cm间隔连接，则较易使轨道稳定。
THE DISTANCE BETWEEN THE ARMS ABOUT 8CM10CMCOULD LET THE RAIL STABILITY, IF LONGER MUST ADD THE RAIL STAND.
※在电梯出入口及斜坡，如果加装轨道支架，则会使之更稳定。
FIX THE RAIL STAND AT THE BRAE POINT OR ELEVATOR DOOR TO STABILIZE THE RAIL

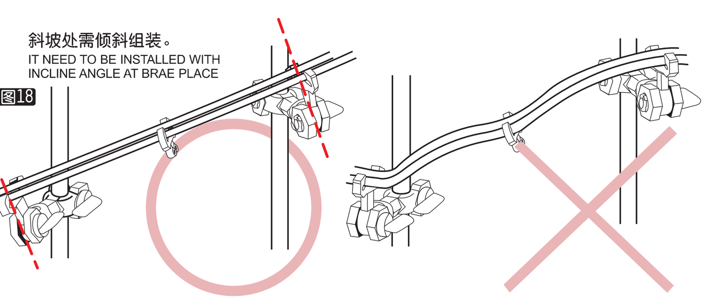
将轨道支架作为"枕木"使用。
SET THE RAIL STAND AS"CROSSTIE"



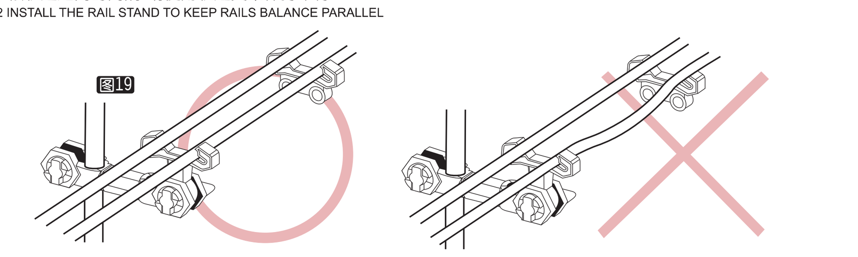
旋转臂和旋转臂之间的间隔长时，可将2~3根（8cm~10cm的间隔）轨道支架作为"垫木"加装。
IF THE DISSTANCE BETWEEN ARMS TOO LONG COULD ADD 23 RAIL STAND AS"CROSSTIE"TOKEEP STABILITY (DISSTANCE BETWEEN ARMS IS 8cm10cm)

○关于斜坡 图18
○ABOUT THE BRAE PIC.18
制作斜坡时，请如图20一样使旋转臂倾斜组装，以便钢珠顺利滚动。
MAKE THE ARM INCLINE AS pic20 TO MAKE THE BRAE, THIS WAY COULD MAKE THE STEEL BALL RUNNING SMOOTHLY

斜坡处需倾斜组装。
IT NEED TO BE INSTALLED WITH INCLINE ANGLE AT BRAE PLACE



○轨道的间隔 图19
○ THE DISTANCE BETWEEN RAILS PIC.19
2根轨道之间的间隔，请使用轨道支架保持平行
2 INSTALL THE RAIL STAND TO KEEP RAILS BALANCE PARALLEL



4 轨道的组装步骤
RAIL INSTALLING STEPS

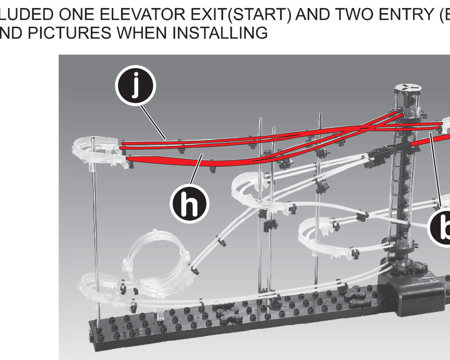
本轨道的路线，升降台的出口(起点)有1处，入口（终点）有2处。组装轨道的路线时，请参考图20-图24和照片。
THIS RAIL INCLUDED ONE ELEVATOR EXIT(START) AND TWO ENTRY (END), REFER TO THE PIC20 PIC24 AND PICTURES WHEN INSTALLING

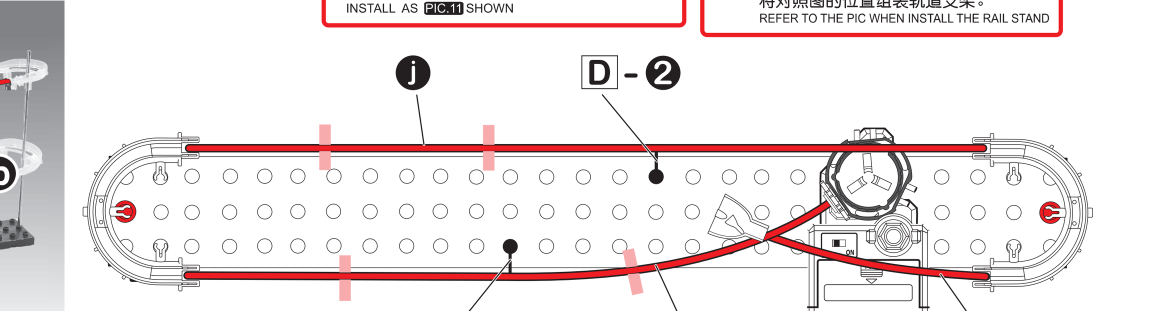
D-❶~C-❸：旋转臂
请参照 图11 的位置组装。
INSTALL AS PIC.11 SHOWN

▮：A6轨道支架
A6 RAIL STAND
将对照图的位置组装轨道支架。
REFER TO THE PIC WHEN INSTALL THE RAIL STAND

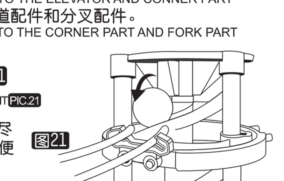
❶ 升降台出口~分叉 图20
EXIT-----FORK PIC20

1. 将2根轨道ⓗ装入升降台和弯道配件。
INSERT TWO RAILSⓗINTO THE ELEVATOR AND CONNER PART
2. 将2根轨道ⓙ装入升降台和弯道配件。
INSERT TWO RAILSⓙINTO THE ELEVATOR AND CONNER PART
3. 将2根轨道ⓑ装入弯道配件和分叉配件。
INSERT TWO RAILSⓑINTO THE CORNER PART AND FORK PART

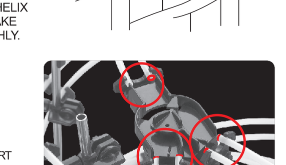




○ 升降台出口的组装 图21
○ HOW TO INSTALL THE ELEVATOR EXIT PIC.21
在升降台的出口处，轨道尽量接近升降台的螺旋片，以便钢珠更顺利地滚动出口。
LET THE RAIL CLOSE TO THE HELIX AT THE ELEVATOR EXIT TO MAKE STEEL BALL RUNNING SMOOTHLY.

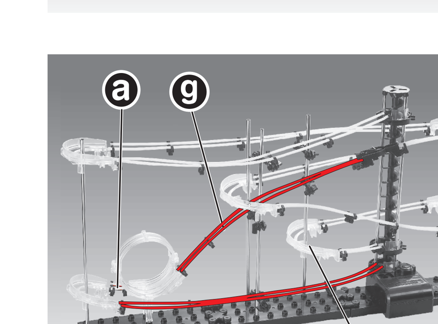


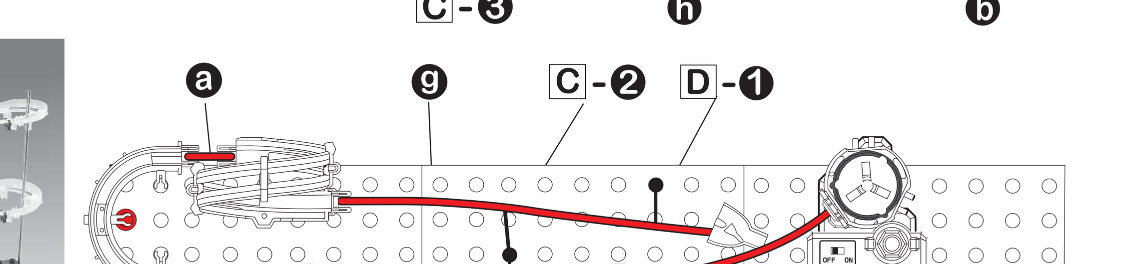
※将轨道装入分叉配件时，请参照此照片。
REFER TO THIS PIC WHEN INSERT THE RAIL INTO FORK PART



❷ 分叉1~环~升降台入口1（终点）图22
FORK1---LOOP---ELEVATOR ENTRY1 (END) PIC.22

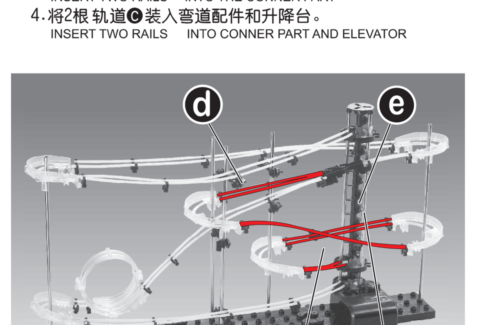
1. 将2根轨道 ⓖ 装入环形配件和分叉配件。
INSERT TWO RAILS ⓖ INTO THE LOOP PART AND FORK PART
2. 将2根轨道 ⓐ 装入环形配件和弯道配件。
INSERT TWO RAILS ⓐ INTO THE LOOP PART AND CORNER PART
3. 将2根轨道 ⓘ 装入弯道配件和升降台。
INSERT TWO RAILS ⓘ INTO THE CORNER PART AND ELEVATOR

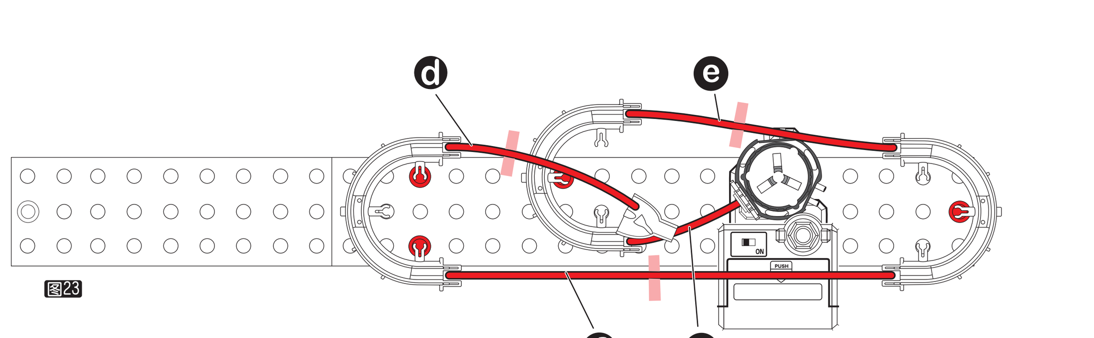




❸ 分叉2~弯道~升降台入口2（终点）图23
FORK2CORNERELEVATOR ENTRY 2 (END) PIC.23

1. 将2根轨道 ⓓ装入弯道配件和分叉配件。
INSERT TWO RAILS INTO THE CORNER PART AND FORK PART
2. 将2根 轨道ⓕ装入弯道配件。
INSERT TWO RAILS INTO THE CONNER PART
3. 将2根 轨道ⓔ装入弯道配件。
INSERT TWO RAILS INTO THE CONNER PART
4. 将2根 轨道ⓒ装入弯道配件和升降台。
INSERT TWO RAILS INTO CONNER PART AND ELEVATOR

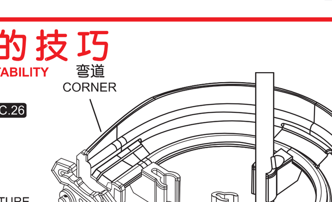




组装完毕……
FINISH ASSEMBLING
试着让钢球在组装好的轨道上滚动。钢珠停止或落下来时，请调整轨道及配件的位置，并改变方向等，以使钢珠顺利滚动。
MAKE A TEST, IF THE STEEL BALL STOP OR FALL OFF, PLEASE ADJUST THE RAIL, PART AND WAY TO MAKE IT RUNNING SMOOTHLY ON RAIL

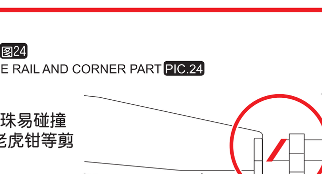
使路线稳定的技巧
THE SECRET TO KEEP ROUTE STABILITY

○ 关于弯道支架 图26
○ ABOUT THE CORNER STAND PIC.26
长时间使钢珠滚动及钢珠本身的重量，可以会使弯道配件偏移。因此，为防止弯道配件偏移，请使用弯道支架。
THE CORNER PART WILL DEPARTURE ITS POSITION FOR THE WEIGHT OF STEEL BALL AND ITS LONG TIME RUNNING, ADD THE CORNER STANDTO AVOID THIS PROBLEM



○轨道的连接 图27
○ RAIL JOINING PIC.27
调整、制作独创性路线或连接各条轨道时，请将轨道连接配件插入轨道中心的孔。另外，请用老虎钳等将轨道截面剪切整齐。
ADJUST, DESIGN OR CONNECT THE RAIL.INSERT THE JOINING PART INTO THE HOLE AT THE MIDDLE OF RAIL,. ALSO.CLEAN THE RAIL SECTION WITH PLIERS

○ 将轨道装入弯道配件的方法 图24
○ THE WAY TO CONNECT THE RAIL AND CORNER PART PIC.24
在弯道的出口等，当钢珠易碰撞轨道时，请如图24，用老虎钳等剪切轨道的前端。
CUT THE FRONT RAIL WITH PLIERS AS PIC.24 IF THE STEEL BALL HIT THE CORNER PART ON RUNNING

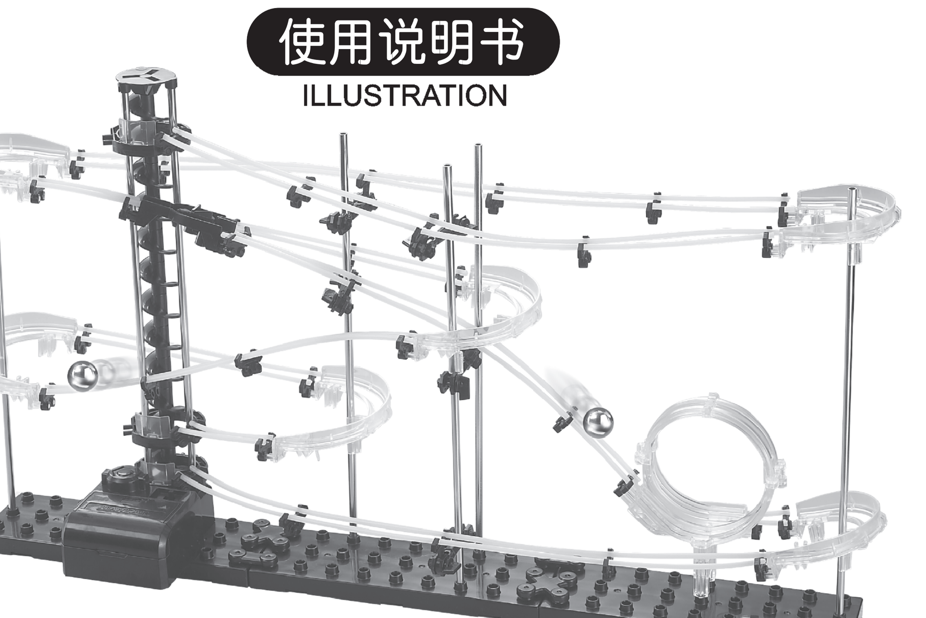


下图各轨道的尺寸是实样轨道的原尺寸。因此，对照这些图来剪切轨道非常方便。图25
THE FOLLOWING PICS IS 1:1 SCALE TO RAIL, REFER THE PIC TO CUT THE RAIL
※因轨道易伸直，剪切时请对准剪切位置。
KEEP IT ON CORRECT PLACE WHEN CUTTING FOR THE RAIL
※剪切处，请先用画笔等标上记号。
MAKE A MARK ON THE CUTTING POIN WITH PEN

图25

	尺寸
ⓐ	正面 26㎜ FRONT 26mm / 背面 26㎜ BACK 26mm
ⓑ	背面 70㎜ BACK 70MM / 正面 73㎜ FRONT 73mm
ⓒ	背面 73㎜ BACK 73mm / 正面 79㎜ FRONT 79mm
ⓓ	背面 162㎜ BACK 162mm / 正面 157㎜ FRONT 157mm
ⓔ	背面 174㎜ BACK 174mm / 正面 170㎜ FRONT 170mm
ⓕ	背面 275㎜ BACK 275 mm / 正面 273㎜ FRONT 273 mm
ⓖ	背面 309㎜ BACK 309mm / 正面 313㎜ FRONT 313mm
ⓗ	背面415㎜ BACK 415mm / 正面416㎜ FRONT 416mm
ⓘ	背面 415㎜ BACK 415mm / 正面 420㎜ FRONT 420mm
ⓙ	背面 487㎜ BACK 487mm / 正面 487㎜ FRONT 487mm

SPACERAIL
使用说明书
ILLUSTRATION



"太空轨道"是一套将底座、旋转轴和轨道自由组装起来，并让钢珠在两条轨道上时而缓慢行驶，时而快速急驶的大人室内玩具。
"太空轨道"入门：因环形轨道已组装OK，所以只需花费点时间调整一下弯道轨道就能简单完成轨道的组装。
虽然它只是室内玩具，但却能让你享受美妙而刺激的"太空轨道"世界之乐趣！
SPACERAIL is a suit-toy which could be assembled freedom with its base, shaft and rail., the steel ball could run on the two lines sometimes snail and sometimes scour, it is for adult playing indoor.
How to assemble the : For the SPACERAIL loop-rail installed already. It just need take little time to adjust the corner of rail to ready the rail
It will bring the sweetness and exciting feeling of the SPACERAIL word to you although it just for playing indoor

⚠ 注 意 消费者必读 NOTE: FOR CONSUMER

- 此商品适合15岁以上消费者，绝对不能让不到年龄的小孩玩耍。
This product only for the player who above 15 years, under this age be forbad absolutely
- 小配件可能导致窒息危险，请注意避免小孩吞食
To avoid choking risk, keep small parts away from children
- 产品上面有较为尖锐或锋利的部分，可能会引起意想不到的损伤，请注意。
Be careful the sharp and edge part of the product to avoid risking
另外，有小孩家庭，请保管在小孩触手不及之处，并绝对不能给小孩玩。
Keep it far away from child, child playing it is forbad absolutely
- 请勿折弯钢棒，以避免造成损伤。
Don't bend the steel-stick to avoid hurting
- 不能将轨道套在脖子上玩耍，以免引起窒息等危险。
The RAIL can not be surrounded to the neck to avoid choking risk.
- 因有可能发生意外事故的危险，升降台转动时，手指绝对不能伸入。
Please don't put your fingers to the elevator when it on running to avoid hurting accident
- 请勿将钢珠以外的物品装入升降台，以免发生升降台破损或飞出的危险。
Please don't put any articles except the steel-ball into the elevator to avoid breaking it or falling off
- 请勿强行使马达停止转动，以免马达或电池发热而造成烫伤等危险。
Please don't force the motor stopping to avoid scalding or other risk caused by the overheat motor or battery
- 将此模型作为摆设时，请将此模型摆放在不会被撞倒、掉落或踩踏的安全场所。
Please put it in the safe place to avoid be run down, fall off or trampled risk when shown it as mold
<电池使用不当可能会出现发热、爆裂或漏液的危险。注意事项如下：
Caution: the battery would appear overheat, blow out or leak risk for misusing.
- 万一电池液不慎入眼时，请立即用大量的清水冲洗，或求助于医生。
Once the battery liquid spurt into the eyes, please washing it with clean water at once or ask help from doctor
- 绝对不能使用充电式（镍镉等）电池。
Please don't use the rechargeable battery (NI-CD battery etc)
- 请对准电池正负极装入电池。
IBatteries are to be inserted with correct polarity
- 玩耍后请关闭电源开关，取出电池。若不取出，可能会导致电池漏液。
Turn off your equipment power switch after use and take out he battery, otherwise it will lead to battery liquid leak
- 请勿随意对电池进行充电、分解、加热及放入火中。
IDon't charge or disassemble the battery, don't dispose it in fire or heat

<使用上的注意>:
- 组装前请仔细阅读使用说明书。
- 本模型含有精密电子配件，请勿使之掉落、弄湿、弄污及分解。
- 请勿随意将可动部分或组装部分强行拉引或弄弯。
- 配件袋为包装材料，打开后请立即扔掉。
- 配件中可能有些较为尖锐部位，组装时需注意。
- 电池容量不足，会致使升降台无法转动。当升降台转动变慢时请立即更换电池。
- 长时间运转后，轨道或旋转臂可能会偏离原来位置，请及时调整好。
- 请勿长时间放置在日光直射的地方。

CAUTION：
- Always read through this illustration before operation
- This mold included the exactitude electronic part. Don't make it fall off. Wet, dirty or disassembled
- Please don't elongate or bend the movable or installation part.
- Please send the part package to the dustbin after opening
- Be careful the sharp point on the part when installing
- Exhausted batteries will cause the elevator stop running, when the elevator slowing down , please change the battery at once.
- The RAIL or the arm will departure their position after long time working, please adjust it in time
- Please don't put it under sun for long time

※电源打开时请勿阻碍升降台(马达) 的转动，以免因马达超负荷发热而引起烫伤等危险。
Please don't cumber the elevator (motor) running when the power offering to avoid risk caused by the overheat motor
※请勿连续使用5小时以上，以免引起马达破损或意想不到的事故。
To avoiding break the motor and hurting accident please don't play it more than 5 hour continually

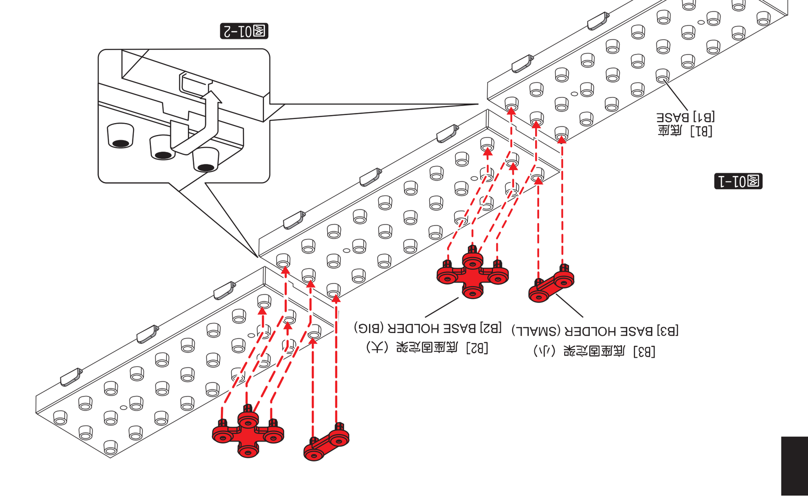
组装前需准备的工具
TOOLS FOR INSTALLING
●老虎钳 PLIERS ●画笔等PEN

配件一览
PARTS LIST
※使用2号电池（另购）。USE 1*A BATTERY (NOT INCLUDED)
※因轨道连接等小配件容易丢失，所以收请妥善保管。
KEEP THE SMALL PARTS IN PROPER WAY TO AVOID LOSING

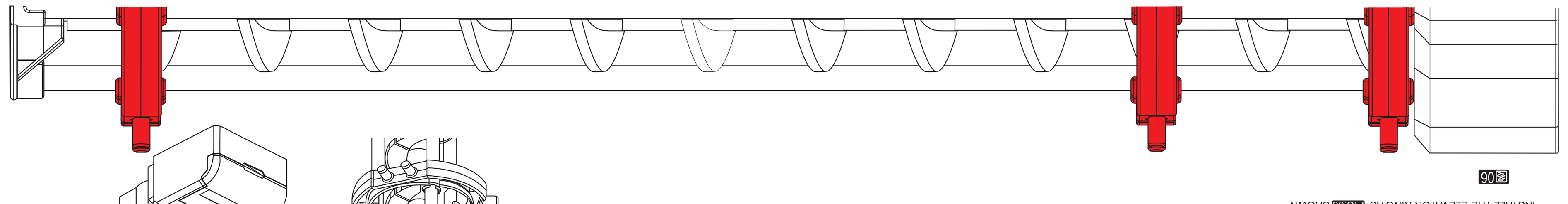
配件	数量
[B1] 底座 [B1] BASE	3PCS
[S1] 旋转轴300mm [S1] SHAFT 300mm	9PCS
[R1] 轨道（约5000mm）[R1] RAIL (about 500mm)	1PCS
[A1] 旋转臂 [A1] ARM	5PCS+后备
[A2] 旋转臂固定夹A [A2] ARM HOLDER A	5PCS+后备
[A3] 旋转臂套管 [A3] ARM SHEATH	5PCS+后备
[A4] 旋转臂固定夹B [A4] ARM HOLDER B	5PCS+后备
[A5] 旋转臂扳手 [A5] ARM WRENCH	10PCS+后备
[A6] 轨道支架 [A6] RAIL STAND	29PCS+后备
[G1] 齿轮箱 [G1] GEAR BOX	1PCS
[P1] 分叉配件 [P1] FORK PART	1PCS
[E1] 升降台螺旋片 [E1] ELEVATOR HELIX	12PCS
[E2] 升降台固定圈 [E2] ELEVATOR RING	3PCS
[E3] 升降台顶盖 [E3] ELEVATOR COVER	1PCS
[E4] 升降台支架 [E4] ELEVATOR STAND	3PCS
[C1] 弯道配件A [C1] CORNER PART A	3PCS
[C2] 弯道配件B [C2] CORNER PART B	3PCS
[C3] 弯道支架 [C3] CORNER STAND	6PCS
[L1] 环形配件 [L1] LOOP PART	1PCS
[L2] 环形支架 [L2] LOOP STAND	1PCS
[B2] 底座固定夹（大）[B2] BASE HOLDER (BIG)	2PCS
[B3] 底座固定夹（小）[B3] BASE HOLDER (SMALL)	2PCS
[G2] 齿轮箱支架 [G2] GEAR BOX STAND	1PCS
钢珠 STEEL BALL	2PCS
[R2] 轨道连接 [R2] RAIL JOINING	2PCS

1 配件的组装
HOW TO INSTALL PARTS

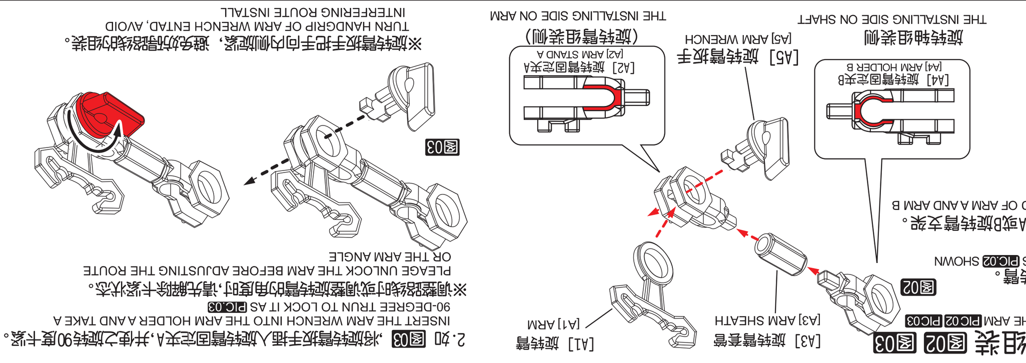
❶ 底座的组装 图01-1 图01-2
1. 如 图01-2 将3张底座拼在一起。（拼装时请注意卡扣和孔的位置）
1. ASSEMBLE 3 BASES TOGETHER AS PIC.01-2 (be care the position of clip and hole)
2. 将底座固定架装入已组装的 图01-1 的各位置。
2. SET THE BASE HOLDER INTO THE RELATE POSITION PIC.01-1



对准 图06（图样尺寸同实物一样）的位置，组装升降台固定圈。
INSTALL THE ELEVATOR RING AS PIC.06 SHOWN



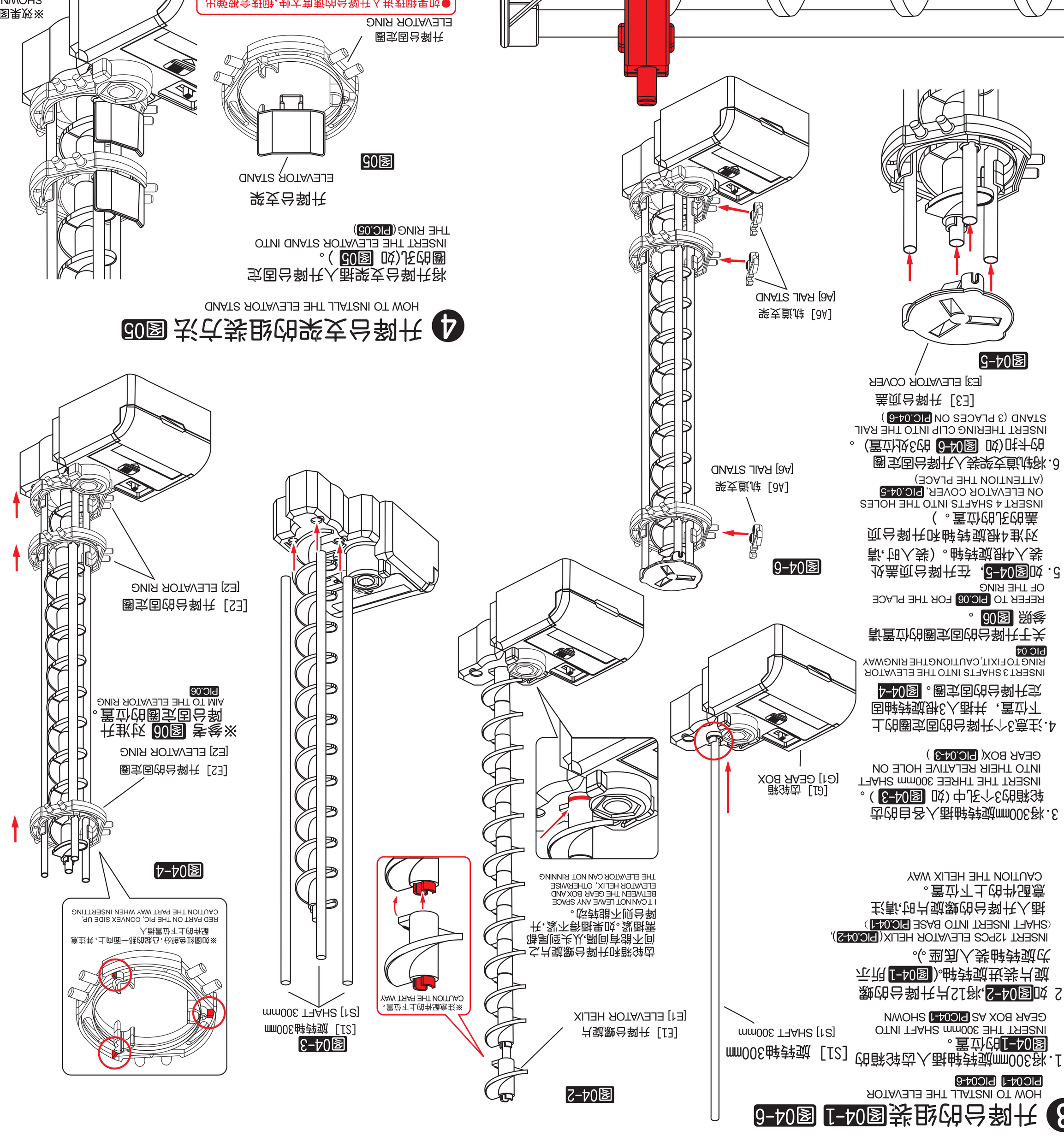
❷ 旋转臂的组装 图02 图03
HOW TO INSTALL THE ARM PIC02 PIC03
如图02，组装旋转臂。
INSTALL THE ARM AS PIC.02 SHOWN
※组装时，请勿弄错A或B旋转臂支架。
CAUTION: THE STAND OF ARM A AND ARM B IS DIFFERENCE
※组装5个
INSTALL 5 PCS
2. 如 图03，将旋转臂扳手插入旋转臂固定夹A，并使之旋转90度并卡紧。
INSERT THE ARM WRENCH INTO THE ARM HOLDER A AND TAKE A 90-DEGREE TRUN TO LOCK IT AS PIC.03
※调整路线时或调整旋转臂的角度时，请先解除卡紧状态。
PLEAGE UNLOCK THE ARM BEFORE ADJUSTING THE ROUTE OR THE ARM ANGLE
※旋转臂扳手把手向内侧旋紧，避免妨碍路线的组装。
TURN HANDGRIP OF ARM WRENCH ENTAD, AVOID INTERFERING ROUTE INSTALL



❸ 升降台的组装 图04-1 图04-6
HOW TO INSTALL THE ELEVATOR PIC04-1 PIC04-6
1. 将300mm旋转轴插入齿轮箱的 图04-1 的位置。
INSERT THE 300mm SHAFT INTO GEAR BOX AS PIC04-1 SHOWN
2. 如 图04-2，将12片升降台的螺旋片装进旋转轴。如 图04-1 所示为旋转轴装入底座。
INSERT 12PCS ELEVATOR HELIX(PIC04-2), (SHAFT INSERT INTO BASE PIC04-1)
插入升降台的螺旋片时，请注意配件的上下位置。
CAUTION THE HELIX WAY
3. 将300mm旋转轴插入各自的齿轮箱的3个孔中（如 图04-3）。
INSERT THE THREE 300mm SHAFT INTO THEIR RELATIVE HOLE ON GEAR BOX (PIC04-3)
4. 注意3个升降台的固定圈的上下位置，并插入3根旋转轴固定升降台的固定圈。图04-4
INSERT 3 SHAFTS INTO THE ELEVATOR RING TO FIX IT, CAUTION THE RING WAY PIC04
关于升降台的固定圈的位置请参照 图06。
REFER TO PIC06 FOR THE PLACE OF THE RING
5. 如 图04-5，在升降台顶盖处装入4根旋转轴。（装入时，请对准4根旋转轴和升降台顶盖的孔位置。）
INSERT 4 SHAFTS INTO THE HOLES ON ELEVATOR COVER, PIC04-5 (ATTENTION THE PLACE)
6. 将轨道支架装入升降台固定圈的卡扣(如 图04-6 的3处位置)。
INSERT THE RING CLIP INTO THE RAIL STAND (3 PLACES ON PIC04-6)

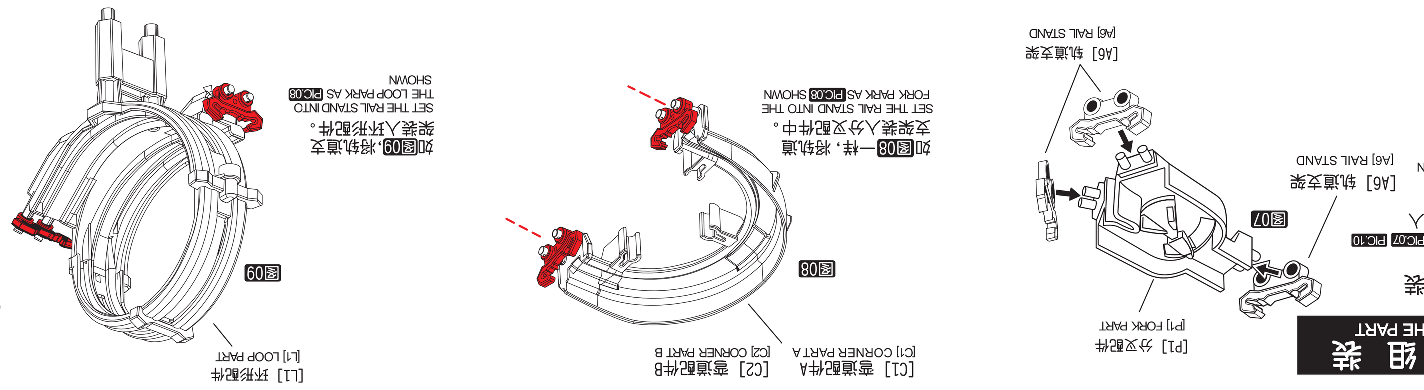
❹ 升降台支架的组装方法 图05
HOW TO INSTALL THE ELEVATOR STAND
将升降台支架装入升降台固定圈的孔(如 图05)。
INSERT THE ELEVATOR STAND INTO THE RING (PIC.05)

●如果钢珠进入升降台的速度太快，钢珠会被弹出轨道。
THE STEEL BALL WILL FLIP OUT IT'S ORBIT IF THE SPEED OF ENTERING INTO ELEVATOR TOO FAST

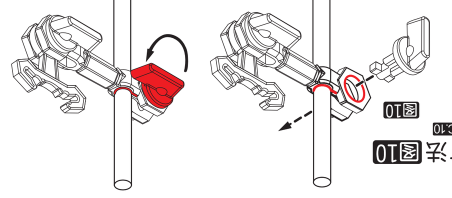


2 配件的组装
HOW TO INSTALL THE PART

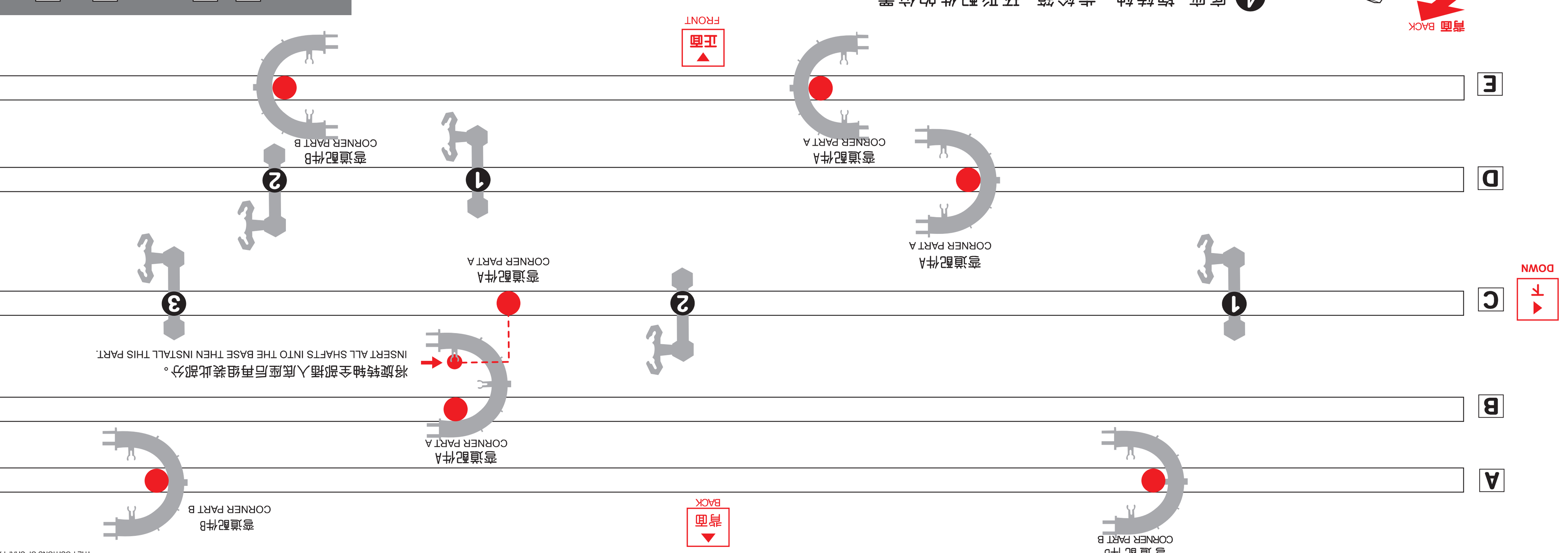
❶ 轨道支架的组装 图07 ~ 图10
HOW TO INSTALL THE RAIL STAND PIC.07 PIC.10
如图07一样，将轨道支架装入分叉配件中。
SET THE RAIL STAND INTO THE FORK PARK AS P PIC.07 SHOWN
如图08一样，将轨道支架装入分叉配件中。
SET THE RAIL STAND INTO THE FORK PARK AS PIC.08 SHOWN
如图09，将轨道支架装入环形配件。
SET THE RAIL STAND INTO THE LOOP PARK AS PIC.08 SHOWN



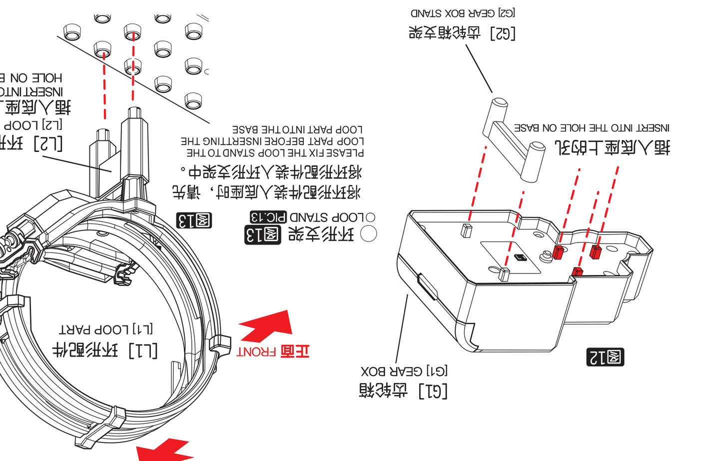
❷ 将旋转臂装入旋转轴的方法 图10
THE WAY TO INSTALL THE ARM INTO SHAFT PIC.10
如 图10 将旋转臂固定夹B插入旋转轴。插入时，请从旋转臂固定夹的圆孔方向插入，并使之旋转90度并卡紧。
INSERT THE SHAFT INTO THE ARM HOLDER B AND TAKE A 90-DEGREE TURN TO LOCK IT AS PIC.10 SHOWN
※调整路线时或调整旋转臂的角度时，请先解除卡紧状态。
PLEAGE UNLOCK THE ARM BEFORE ADJUSTING THE ROUTE OR THE ARM ANGLE,PLEASE UNLOCK IT BEFORE ADJUSTING THE TOUTE
※组装位置请参考 图11
POSITION REFER PIC.11
※旋转臂扳手把手向内侧旋紧，避免妨碍路线的组装。
TURN HANDGRIP OF ARM WRENCH ENTAD, AVOID INTERFERING ROUTE INSTALL

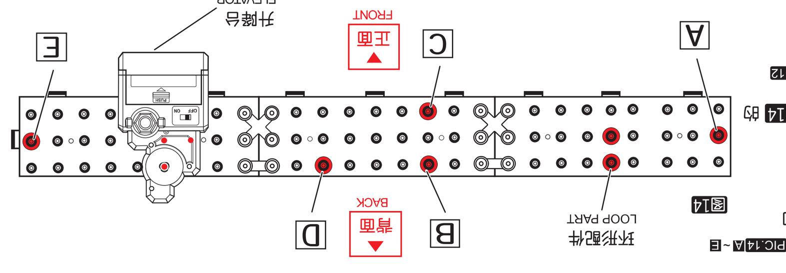
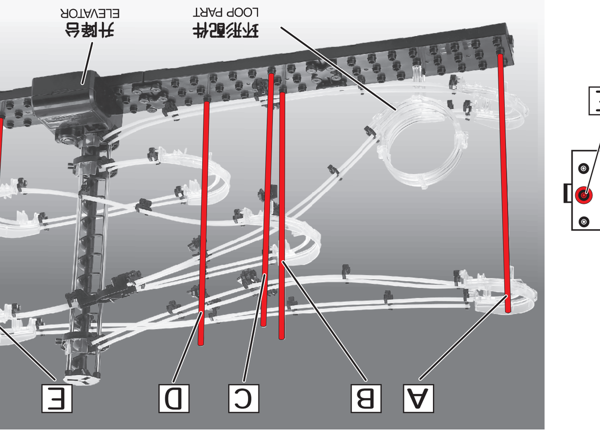


❸ 旋转轴同旋转臂、弯道配件的组装。
FIX THE SHAFT, ARM AND CORNER PART.
○ 旋转臂和弯道配件的组装位置 图11
PLACE FOR ARM AND CORNER PART PIC.11
图11所示图形为旋转轴实物尺寸。请结合图中●位置和方向组装旋转臂和弯道配件(图A~E)。
THE PIC.11 IS 1:1 SCALE TO THE SHAFT. SO INSTALL THE ARM AND CORNER PARTREFER THE ●MARK PLACE AND WAY ON PIC.A~E
按照图中所示，用画笔在旋转轴上作标识，以便于组装。
MAKE A MARK ON THE SHAFT WITH PEN AS PIC SHOWN
（※制作路线时需作若干调整。）
(MAKE A ADJUST WHEN INSTALLING)



○ 齿轮箱支架 图12
GEAR BOX STAND
将升降台装入底座时，为保持平衡，请将齿轮箱支架装入升降台底部的卡扣。
WHEN INSERT THE ELEVATOR INTO THE BASE, PLEASE LOCK THE GEAR BOX STAND ON THE ELEVATOR BOTTOM TO KEEP BALANCE



○ 环形支架 图13
○LOOP STAND PIC.13
将环形配件装入底座时，请先将环形配件装入环形支架中。
PLEASE FIX THE LOOP STAND TO THE LOOP PART BEFORE INSERTTING THE LOOP PART INTO THE BASE

❹ 底座，旋转轴、齿轮箱、环形配件的位置
BASESHAFT,GEARBOX,LOOP PARTPOSITION
○ 旋转轴插入底座的位置 图14
○ PLACE ON THE BASE FOR SHAFT PIC.14
请将图11的编号A~E旋转轴插入图14的编号A~E底座。
INSERT THE SHAFT PIC.11 A~E INTO THE BASE PIC.14 A~E
※插入时请注意上下、正面和背面的方向
CARE THE WAYS WHEN INSERTTING
○齿轮箱装入底部的位置 图14
○ PLACE ON THE BASE FOR GEAR BOX PIC.14
将 图12 的齿轮箱底部的3根卡扣插入 图14 的底座位置。
INSERT THE 3 CLIPS ON GEAR BOX BUTTOM PIC.12 INTO THE BASE PIC.14
○将"环"插入底座的位置 图14
○INSERT THE LOOP INTO THE BASE PIC.14
将 图13 的环形支架的卡扣插入 图14 的底部位置。
INSERT THE LOOP STAND PIC.13 INTO THE BASE PIC.14