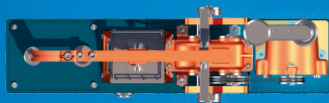




抽油机
Oil Pumping Unit



产品基本信息

Basic product information

产品名称: 抽油机

Product Name: Oil Pumping Unit

产品型号: DM601

Product model: DM601

主要材料: 阳极氧化铝+不锈钢+锌合金

Main materials: anodized aluminum
+ stainless steel+kirsite

充电电压: 直流5V

Charging voltage: DC 5V

电池容量: 450mAh

Battery capacity: 450mAh

组装难度: III级

Assembly difficulty: Level III

产品标准: GB/T9254-2008

GB/T17626.2-2006

Product standard: GB/t9254-2008

GB/T17626.2-2006

质 检: A

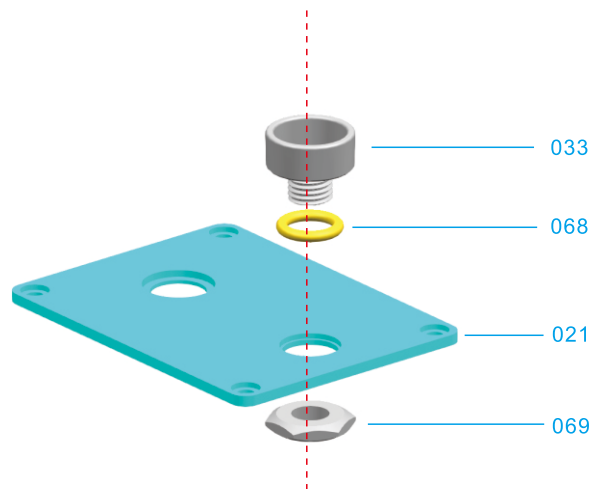
Quality inspection: A

目录 CONTENTS

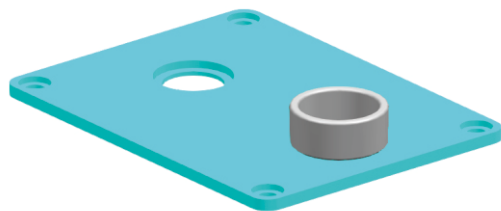
一、产品组装说明 Product assembly instructions	01-25
1. 组装底座面板组件-Assemble the base panel component	01-04
2. 组装电机组件-Assemble motor assembly	05-06
3. 组装底座组件-Assemble the base component	07-08
4. 组装箱体组件-Assemble the box assembly	09-12
5. 组装塔架组件-Assemble tower assembly	13-15
6. 组装横梁轴承套件 -Assemble beam bearing kit	16-21
7. 组装矿灯组件-Assembling miner's lamp assembly	22-24
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二、产品整机调试 Product whole machine commissioning	26
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1. 组装底座 -Assembly base

1.1 组装底座面板 -Assemble the base panel



完成 →
complete



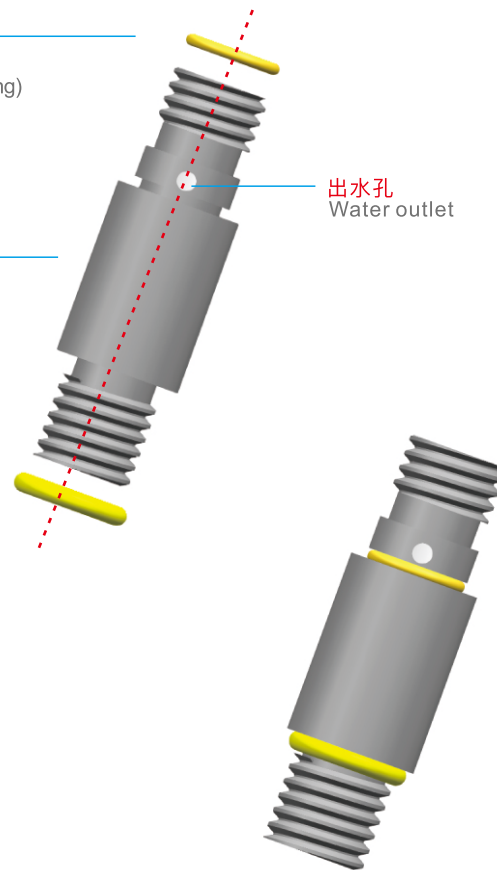
1.2 组装单向阀套 -Assemble the check valve sleeve

040
(小防水圈)
(small waterproof ring)

029

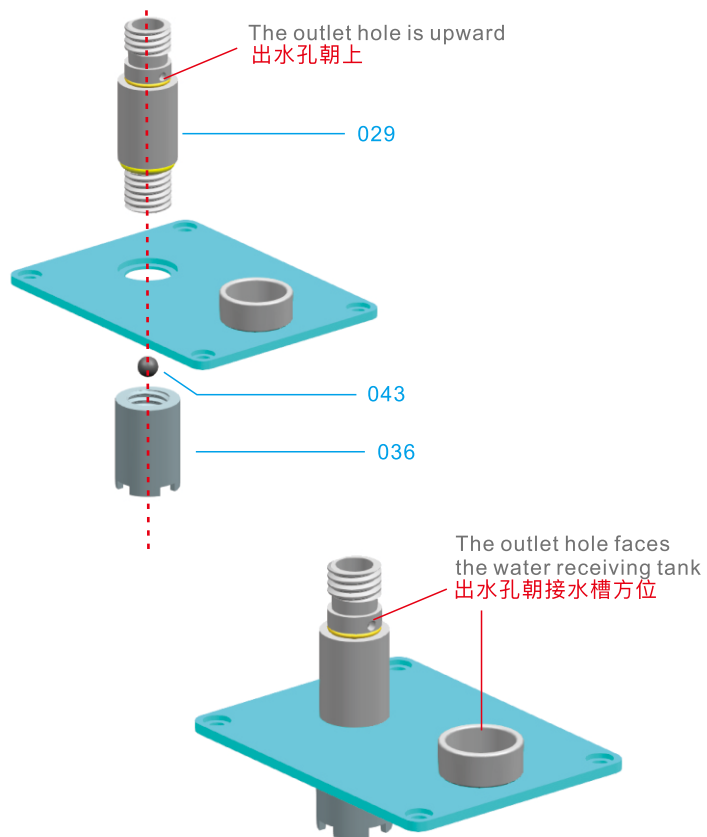
041
(大防水圈)
(large waterproof ring)

出水孔
Water outlet



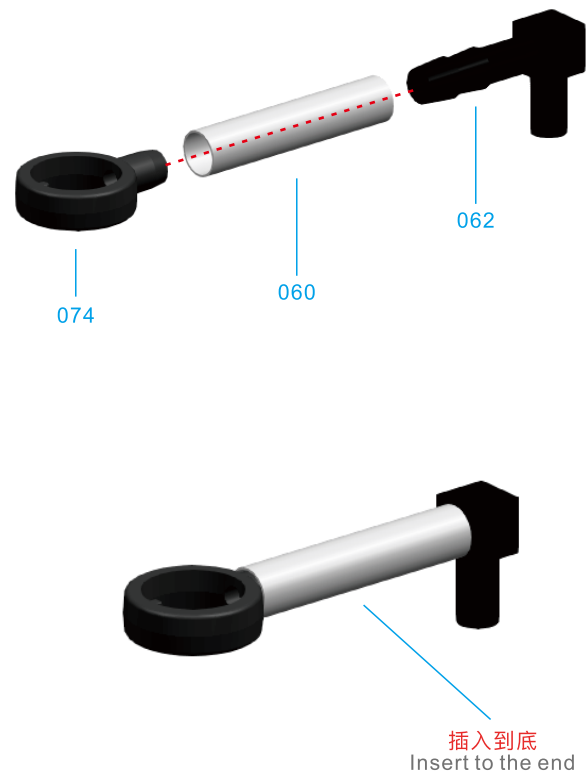
1.3 组装单向阀套

-Assemble the check valve sleeve

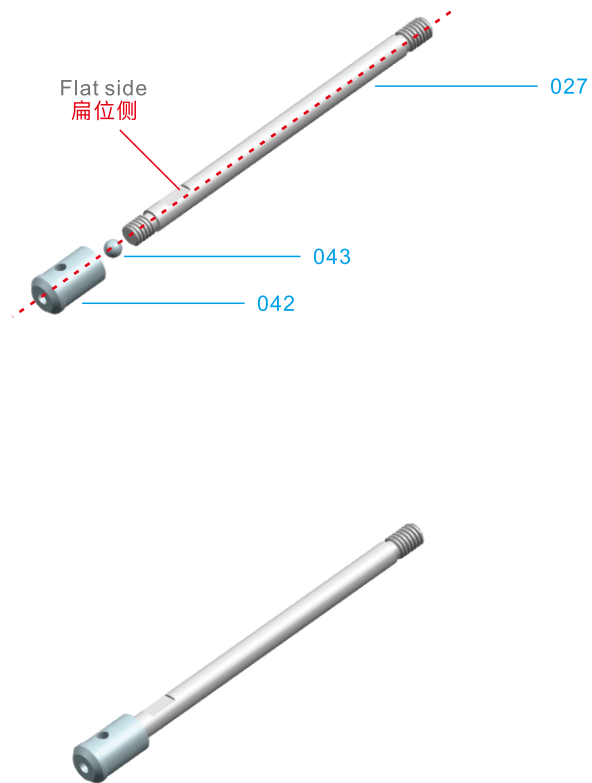


1.4 组装水嘴组件

-Assemble the water nozzle assembly

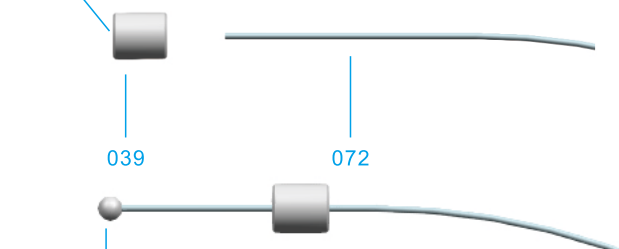


1.5 组装活塞轴 -Assemble the piston shaft



1.6 组装拉绳(黑色) -Assembly pull rope (black)

① 穿线: 螺牙口朝外侧 Threading: the thread mouth faces outward



② 打结 Tie

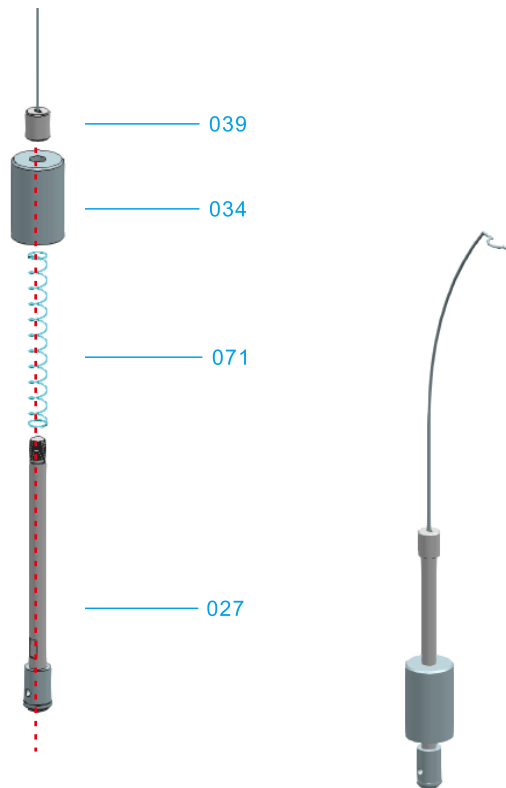


(打结示意图)
(schematic diagram of knotting)

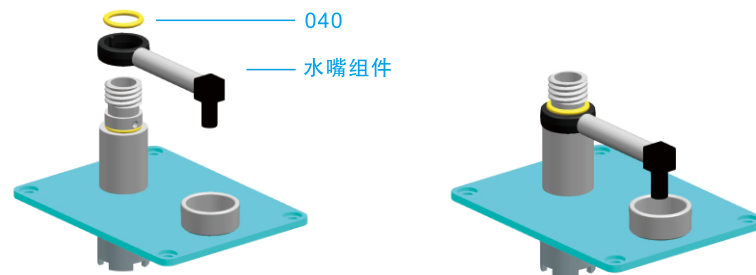
③ 拉直 Straighten



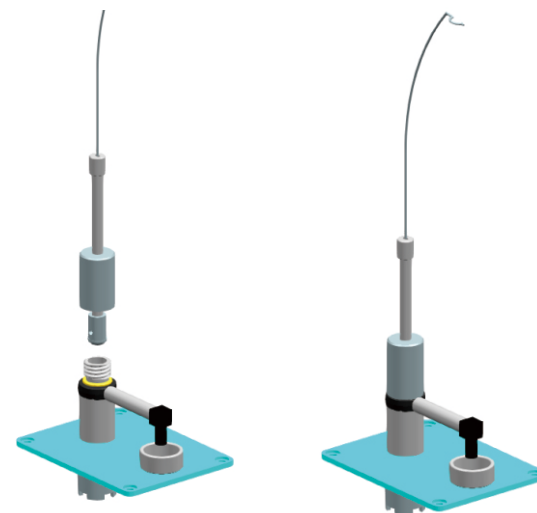
1.7 组装活塞轴 -Assemble the piston shaft



1.8 组装出水管 -Assemble the outlet pipe

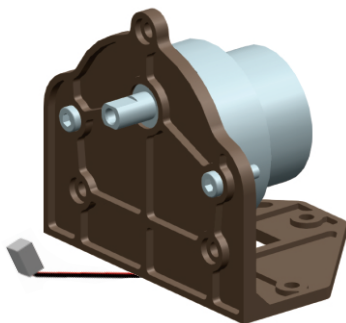
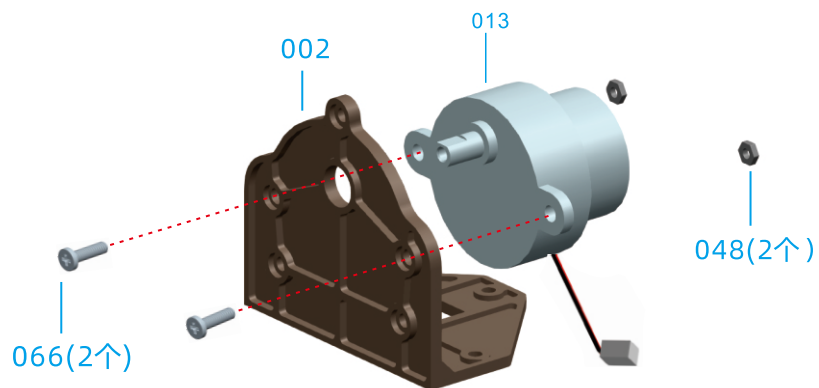


1.9 组装抽油井总成 -Assemble the pumping well assembly

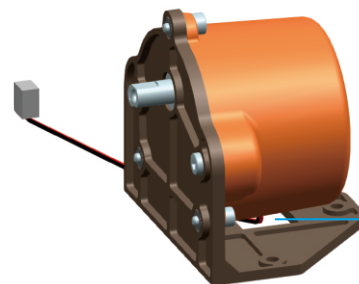
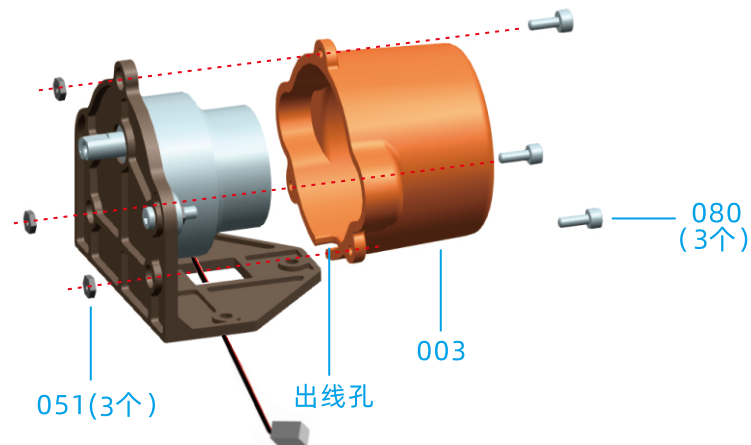


2. 组装电机组件-Assemble motor assembly

2.1 组装电机 -Assemble the motor

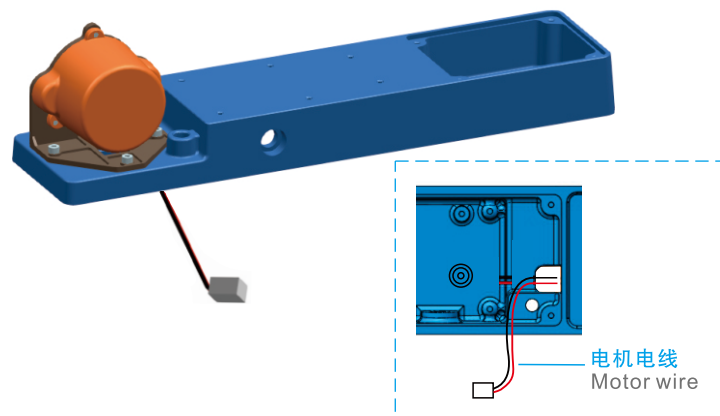
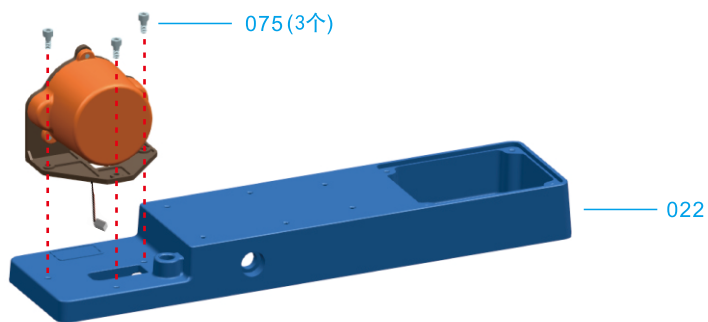


2.2 组装电机盖 -Assemble the motor cover

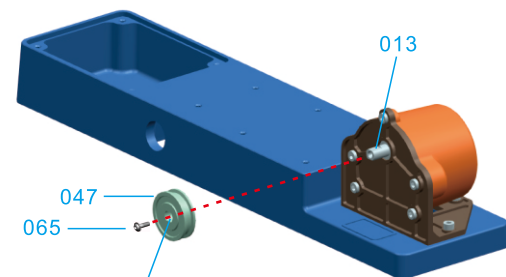


电线先穿过电机盖孔，
再穿过支架孔出线。
The wire first passes
through the motor cover
hole, And then lead out
through the bracket hole.

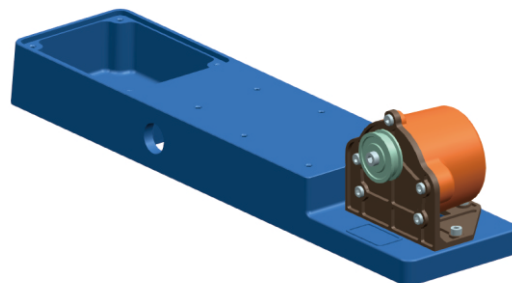
2.3 组装电机组件 -Assemble motor assembly



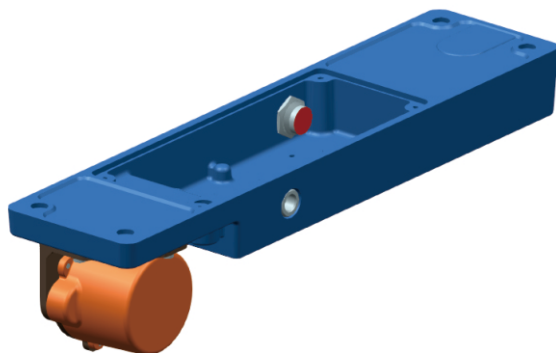
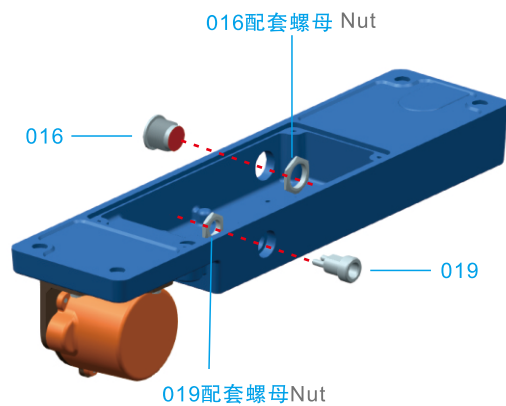
2.4 组装小带轮 -Assemble the small pulley



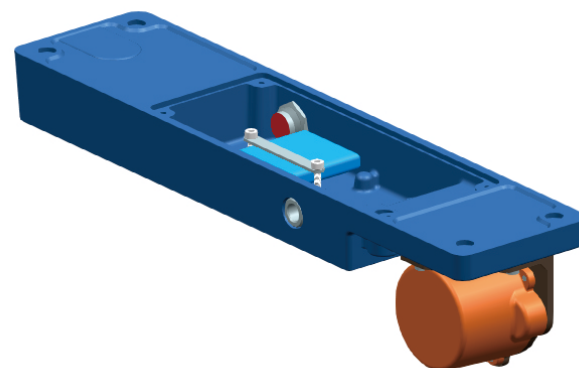
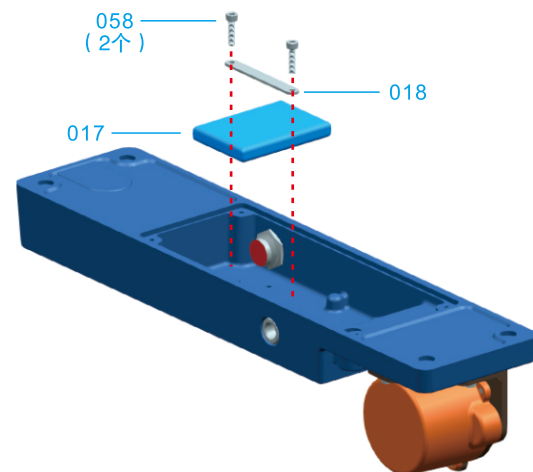
中心凸台面朝外
The central convex
surface faces outward



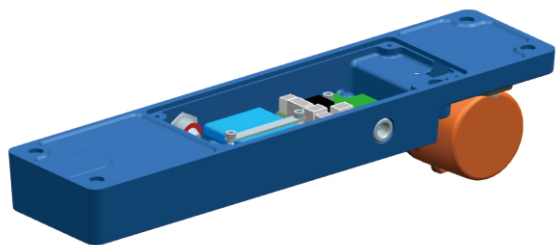
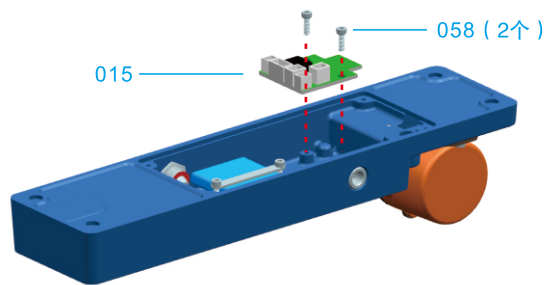
2.5 组装开关与充电口 -Assemble switch and charging port



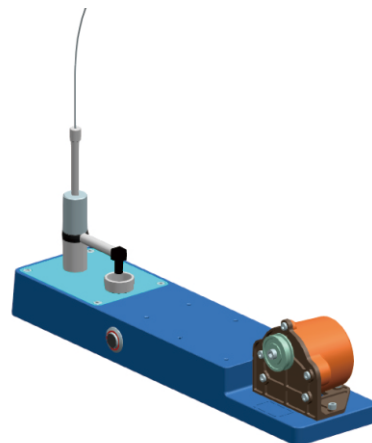
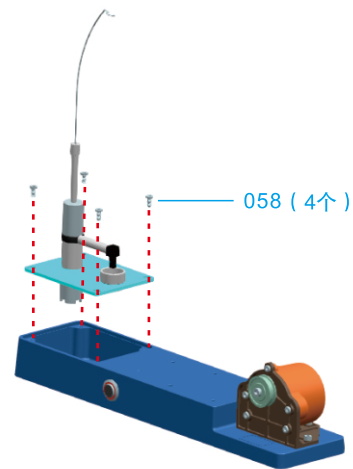
2.6 组装电池 -Assembling the battery



2.7 组装电路板 -Assembling circuit board



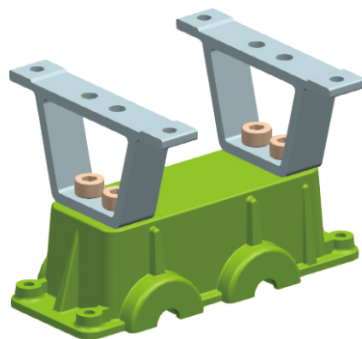
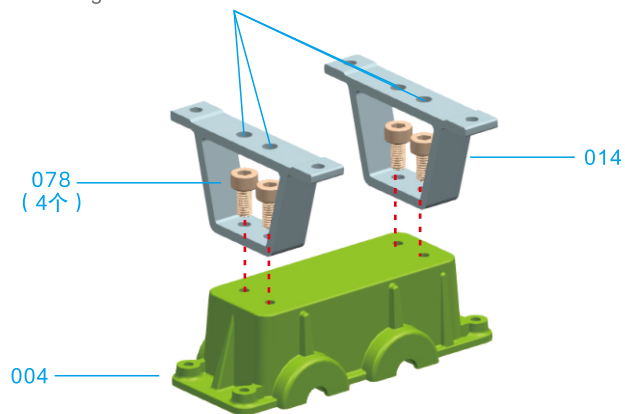
2.8 固定底座面板组件至底座 -Fixing the base panel assembly to the base



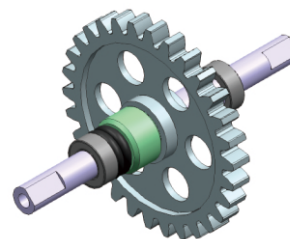
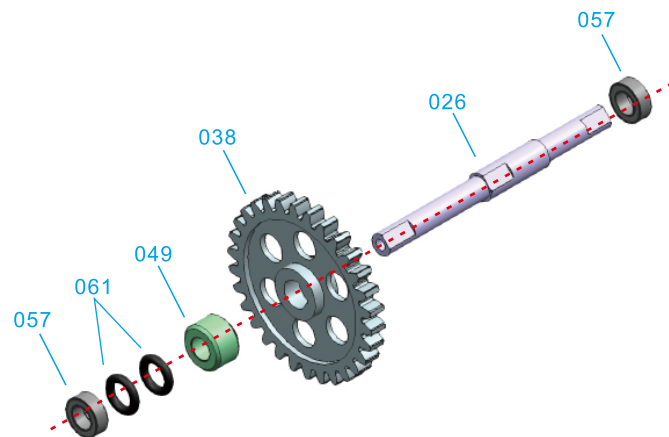
3. 组装箱体组件-Assemble the box assembly

3.1 组装下箱体 -Assemble the lower case

从此孔插入螺丝刀拧螺丝
Insert a screwdriver from this hole
and tighten the screws

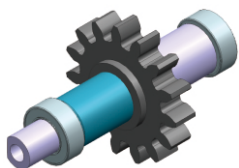
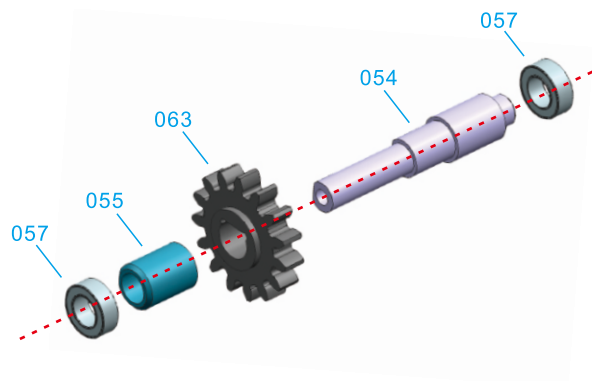


3.2 组装从动齿轴 -Assemble driven gear shaft



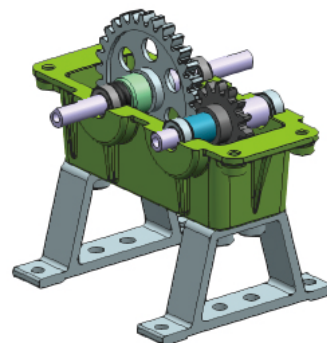
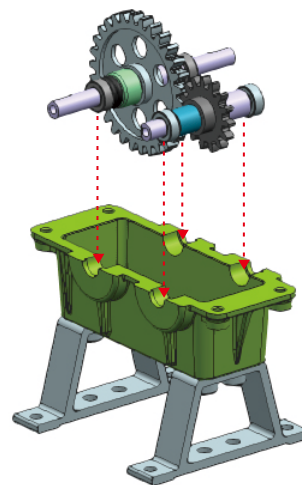
3.3 组装主动轴齿

-Assemble driving shaft teeth

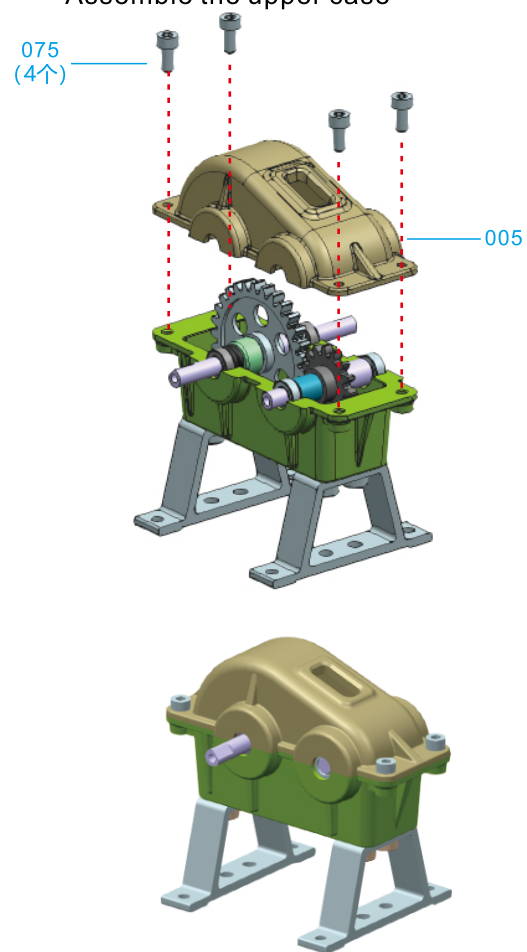


3.4 固定主、从动轴齿组件至下箱体

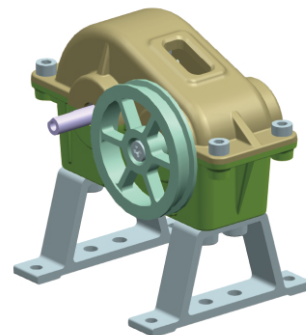
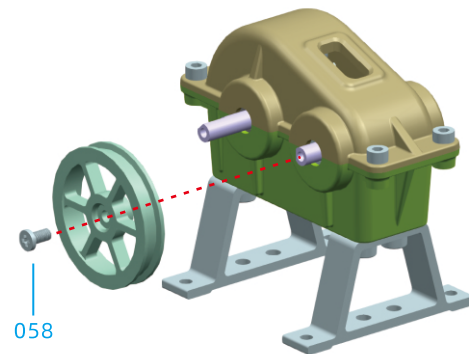
-Fix the driving and driven shaft tooth assembly to the lower case



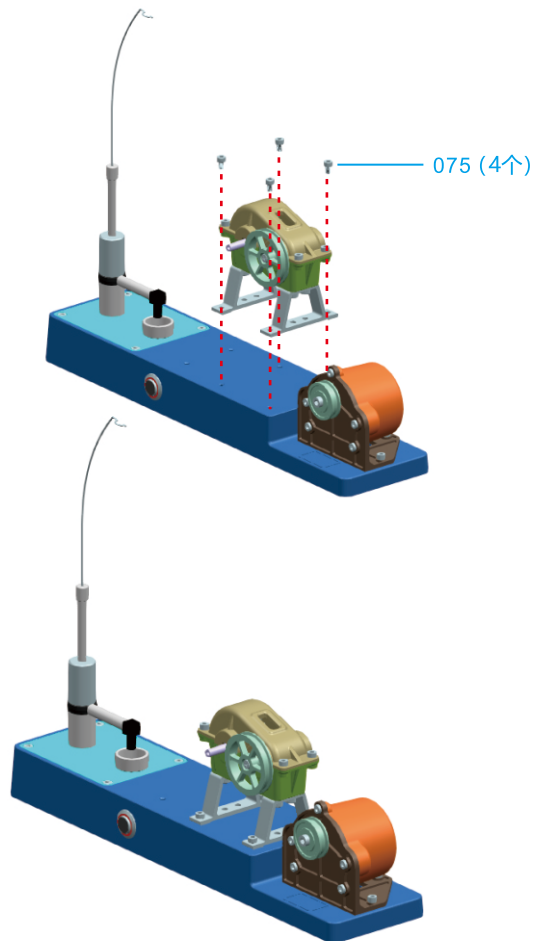
3.5 组装上箱体 -Assemble the upper case



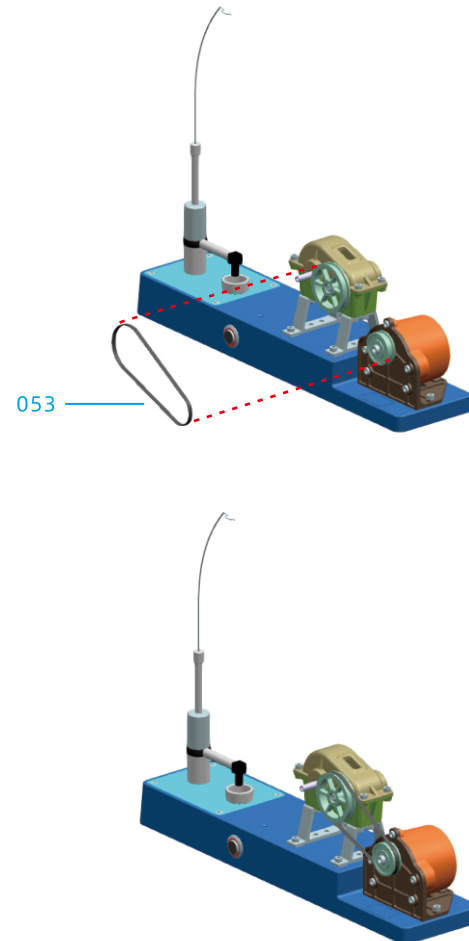
3.6 组装箱体两侧端盖 -Assemble the end covers on both sides of the box



3.7 固定箱体至底座 -Fix the box to the base

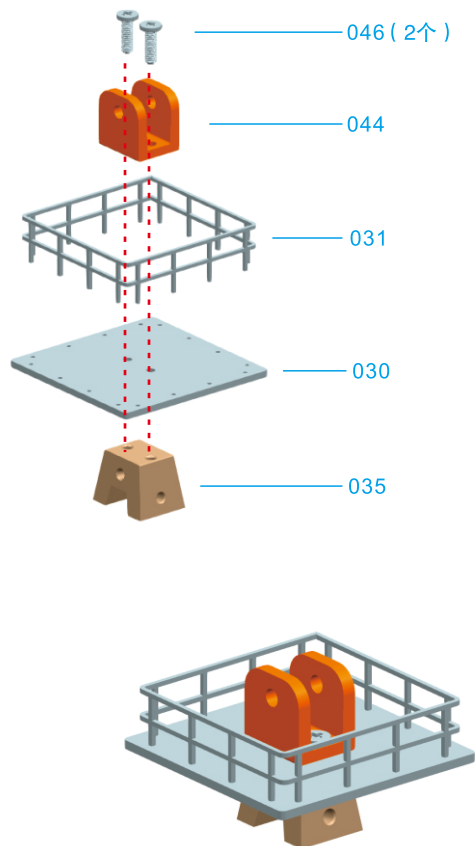


3.8 组装大带轮 -Assemble the large pulley

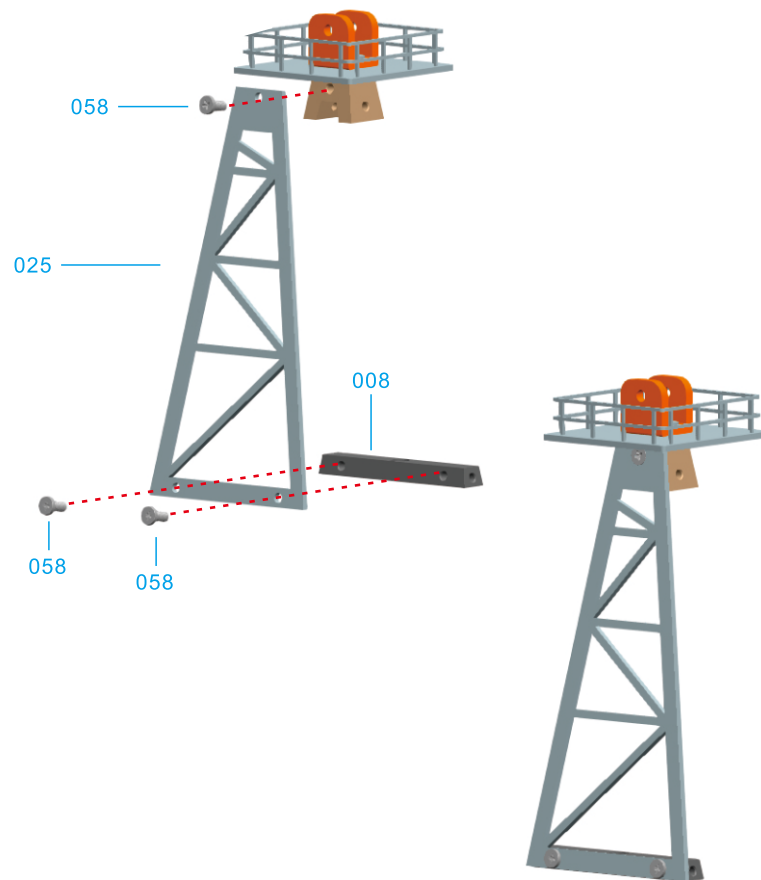


4. 组装塔架组件-Assemble tower assembly

4.1 组装塔架平台 -Assembling tower platform

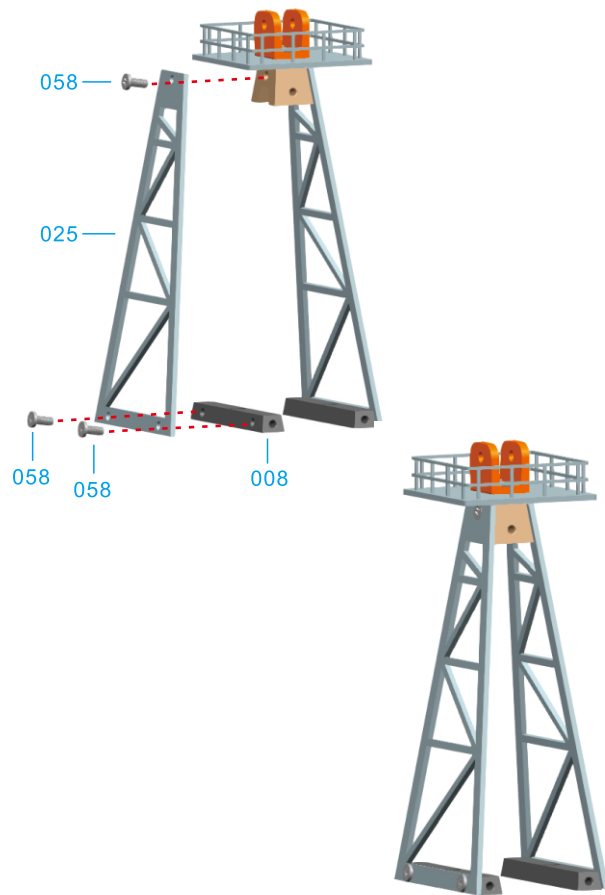


4.2 组装塔架左侧板 -Assemble left side plate of tower



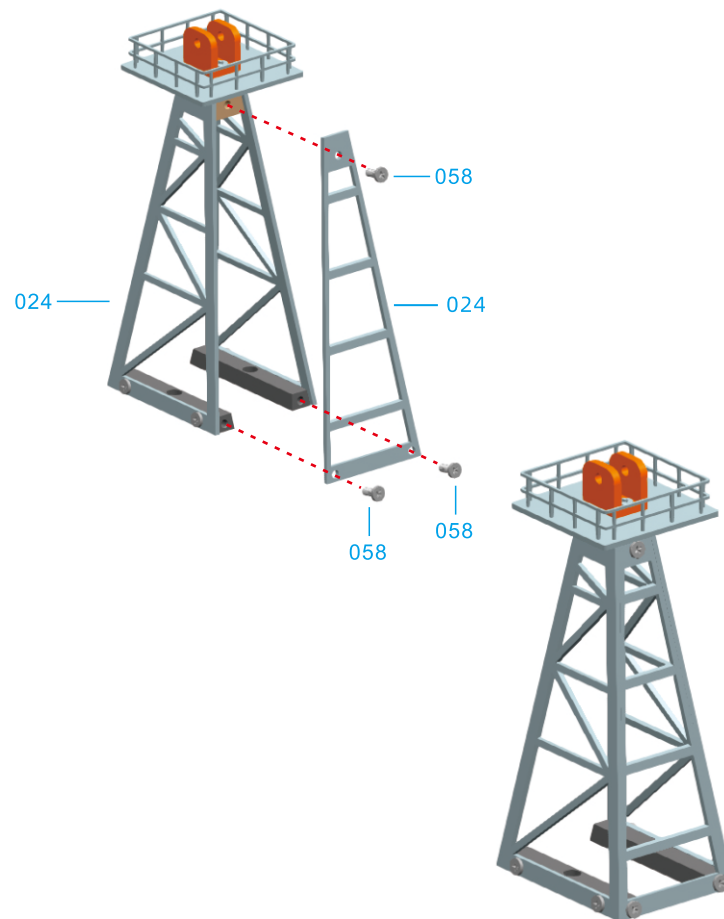
4.3 组装塔架右侧板

-Assemble right side plate of tower

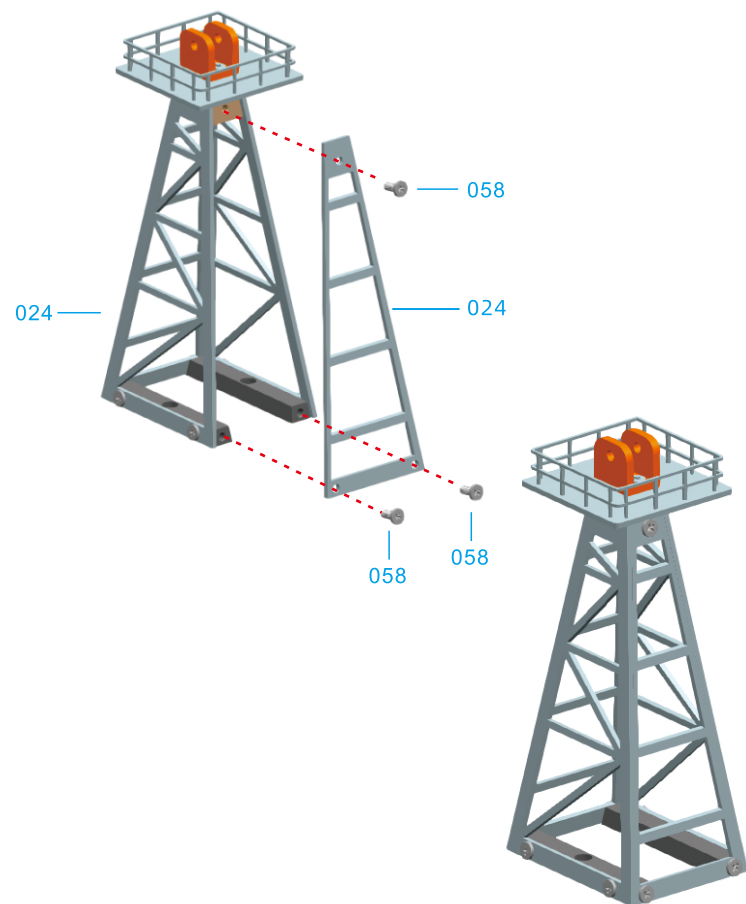


4.4 组装塔架前侧板

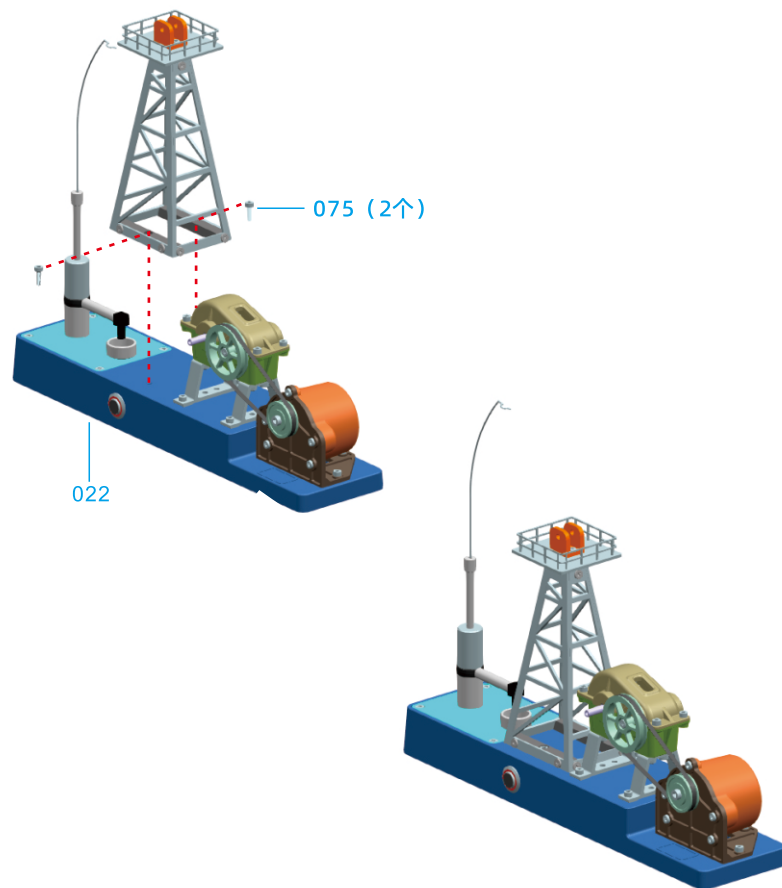
-Assemble the front side plate of the tower



4.5 组装塔架后侧板 -Assemble the rear side plate of the tower

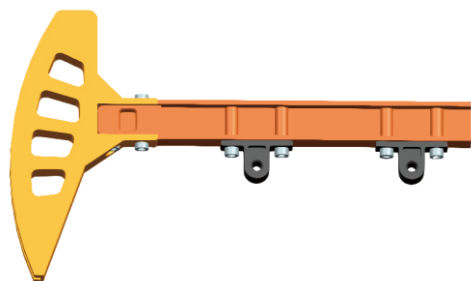
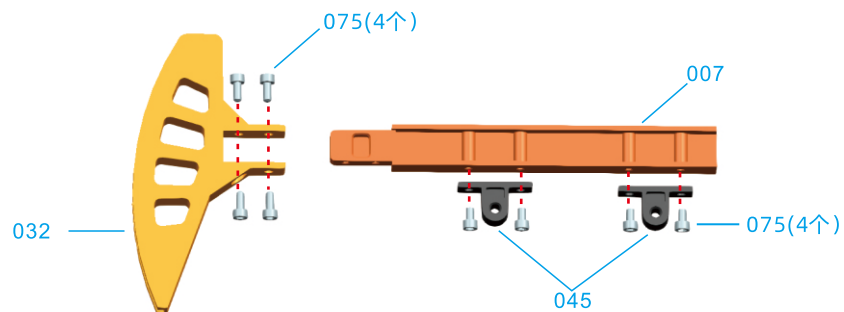


4.6 固定塔架至底座 -Fixed tower to base

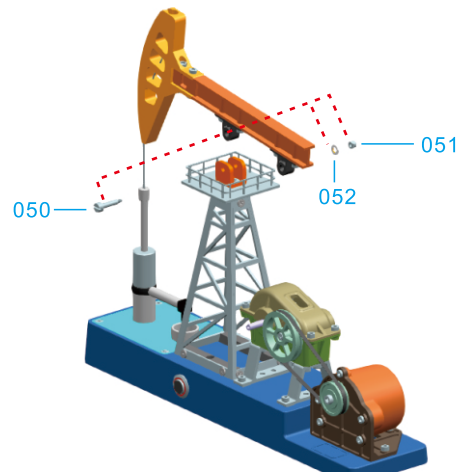


5. 组装驴头游梁 -Assemble donkey head walking beam

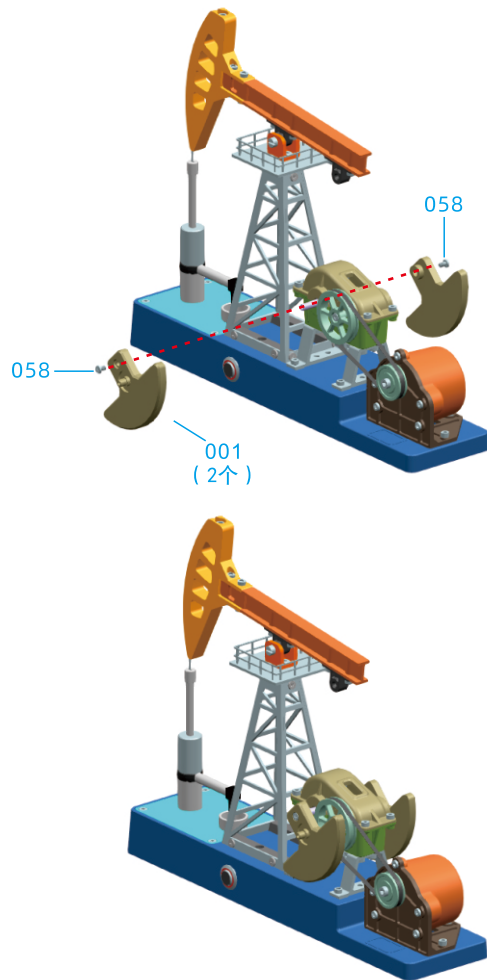
5.1 组装游梁 -Assembling walking beam



5.2 固定游梁驴头至塔架 -Fixed walking beam donkey head to tower

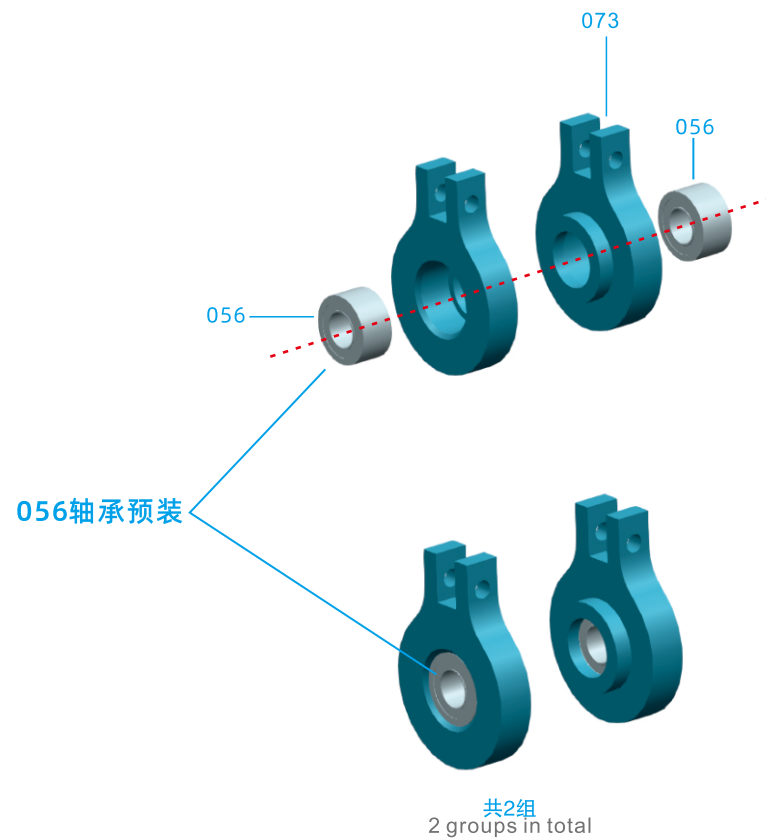


5.3 组装曲柄 -Assemble the crank



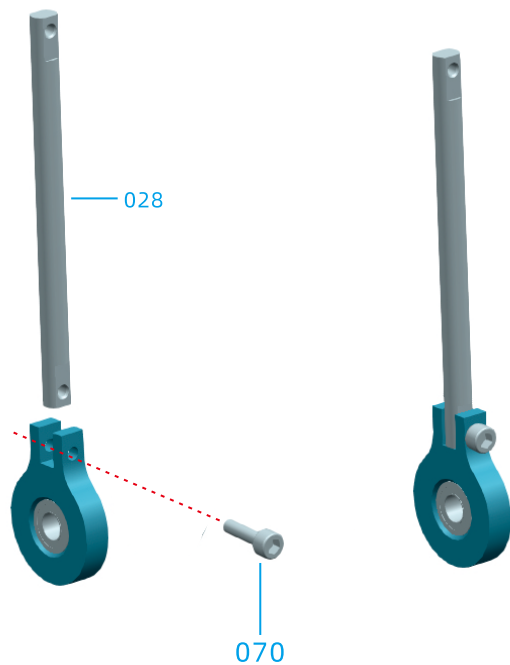
6. 组装横梁组件-Assembly of crossbeam components

6.1 组装轴承套 -Assemble bearing sleeve



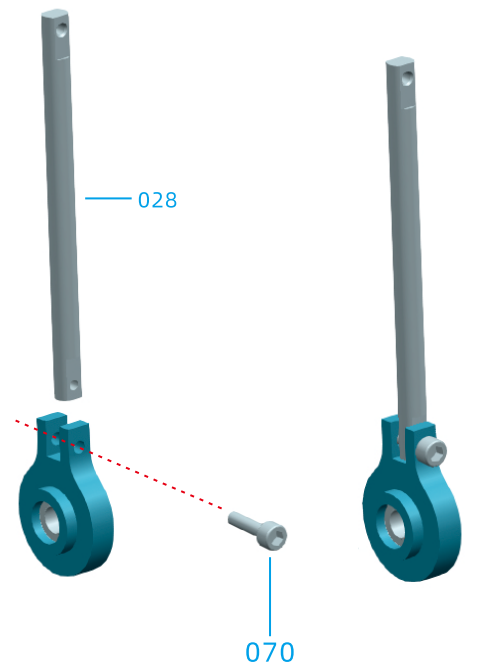
6.2 组装左侧轴承套与连杆

-Assemble the left bearing sleeve and connecting rod

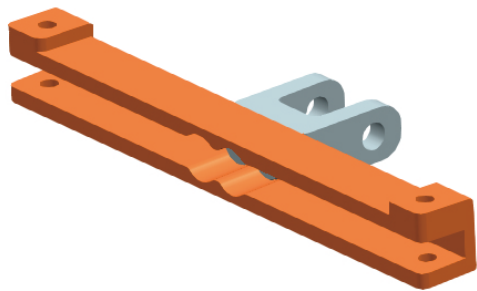
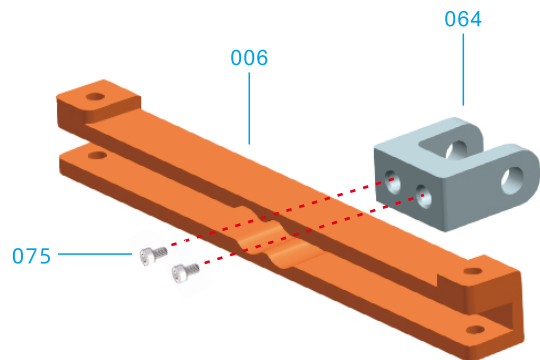


6.3 组装右侧轴承套与连杆

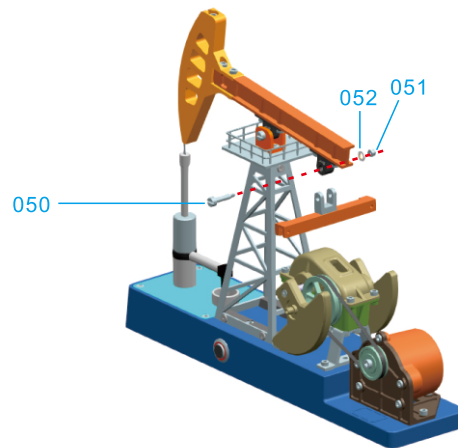
-Assemble the right bearing sleeve and connecting rod



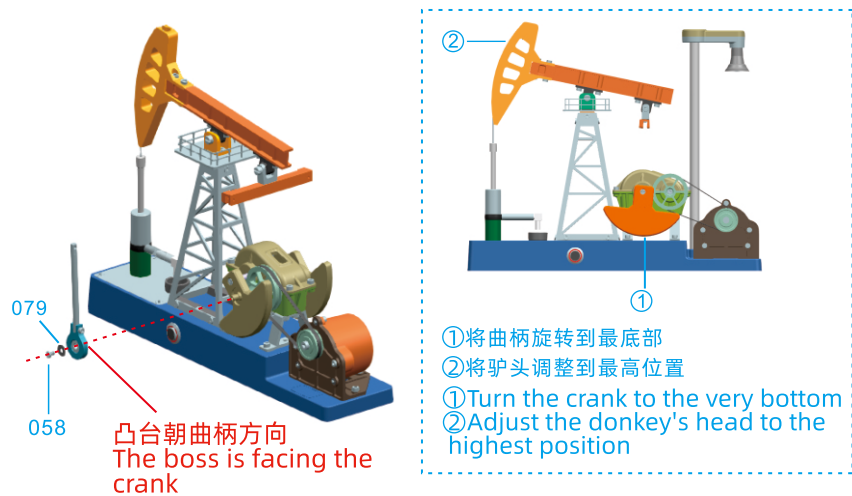
6.4 组装横梁 -Assemble the beam



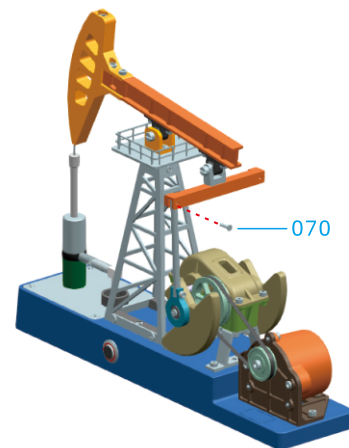
6.5 固定横梁 -Fixed beam



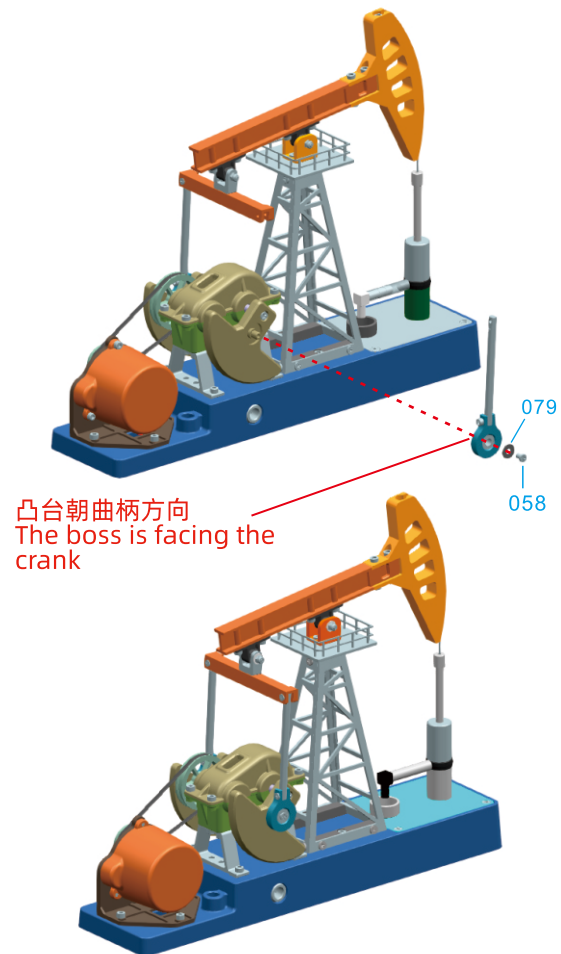
6.6 组装连杆轴左侧 -Assemble the connecting rod shaft (left side)



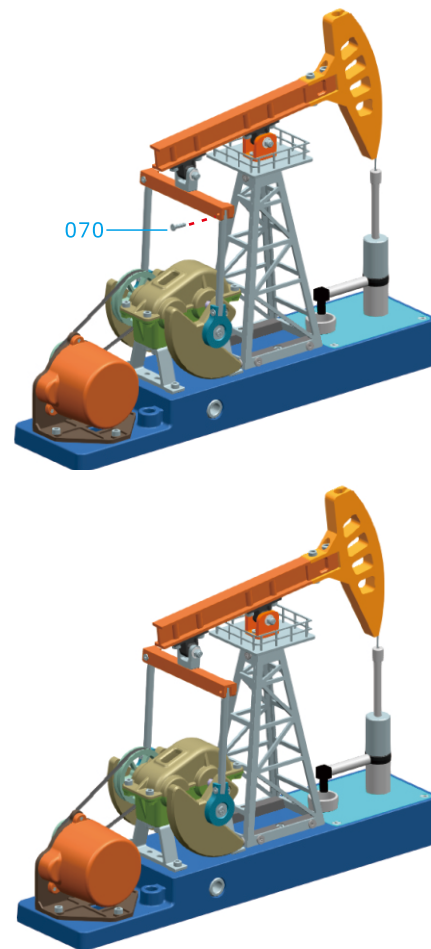
6.7 锁紧左侧部件 -Lock the left part



6.8 组装连杆轴右侧
-Assemble connecting rod shaft (right side)

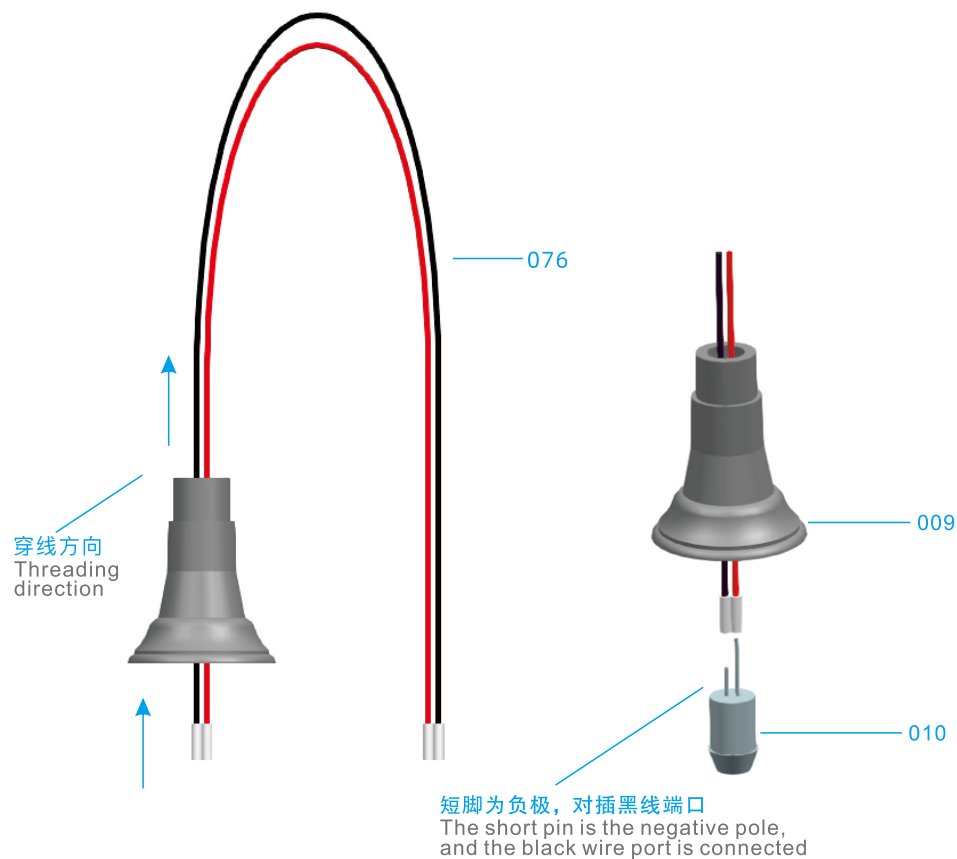


6.9 锁紧右侧部件
-Lock the right part

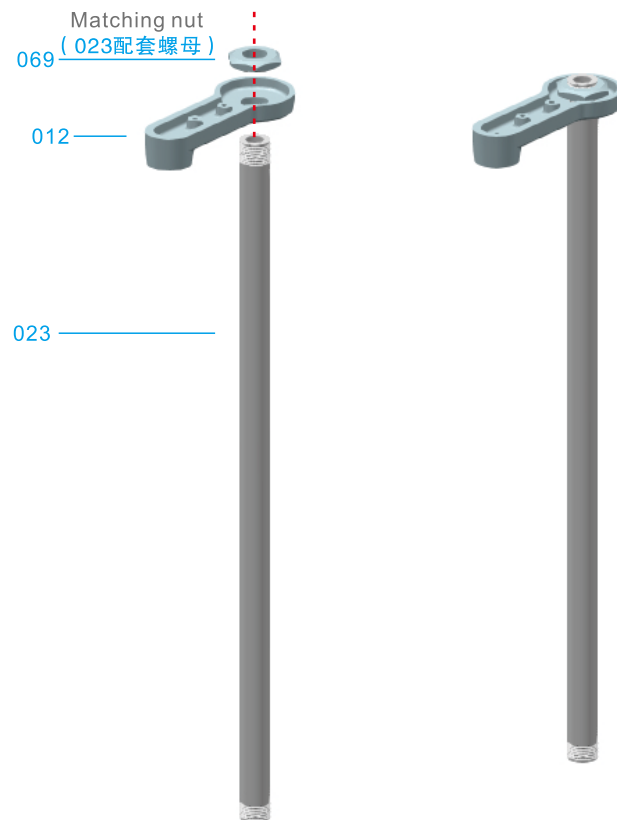


7. 组装矿灯组件 -Assembling miner's lamp assembly

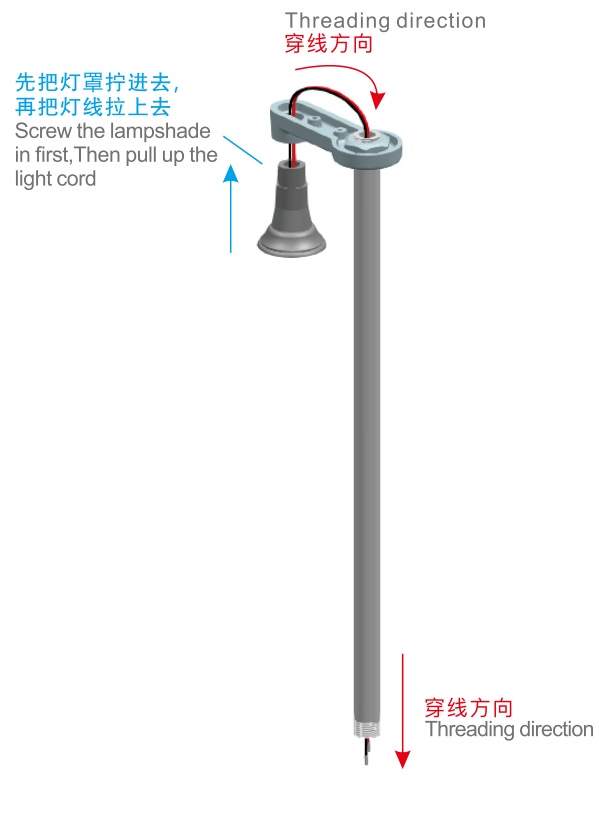
7.1 组装矿灯 -Assembling miner's lamp



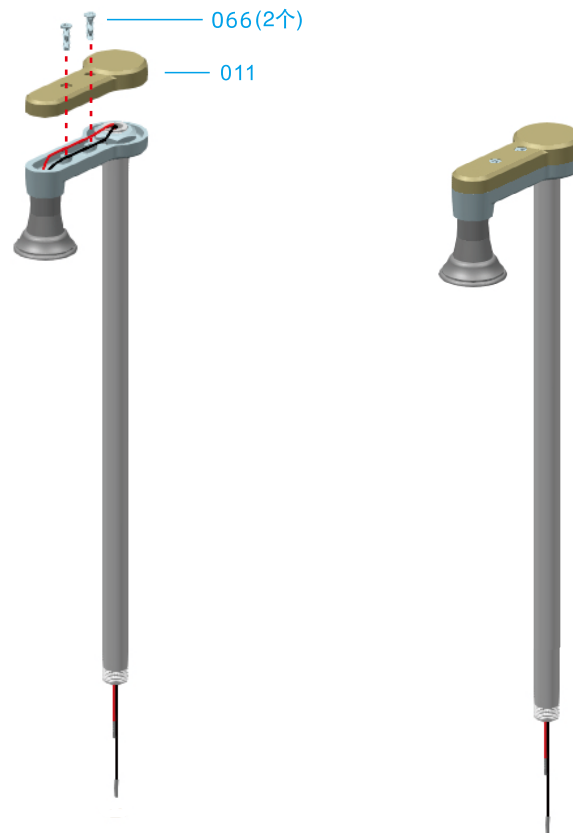
7.2 组装灯杆 -Assembling lamp pole



7.3 组装灯头 -Assembling lamp cap



7.4 组装矿灯上盖，连接转接线 -Assemble the upper cover of the miner's lamp and connect the adapter cable



7.5 固定矿灯组件 -Fixed miner lamp assembly



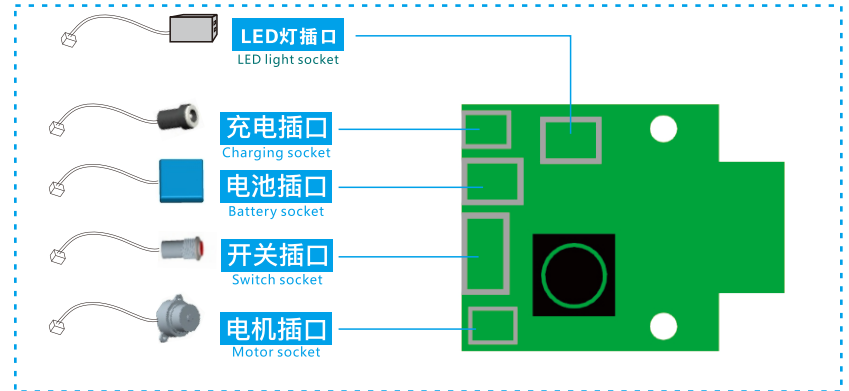
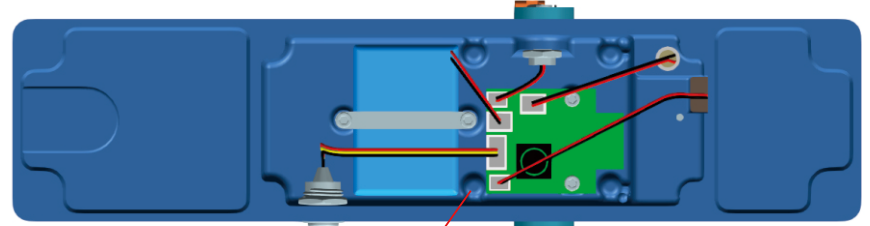
旋转灯杆，
矿灯方向可以自由定。
Rotate the lamp pole,
The direction of the
miner's lamp can
be set freely.



077

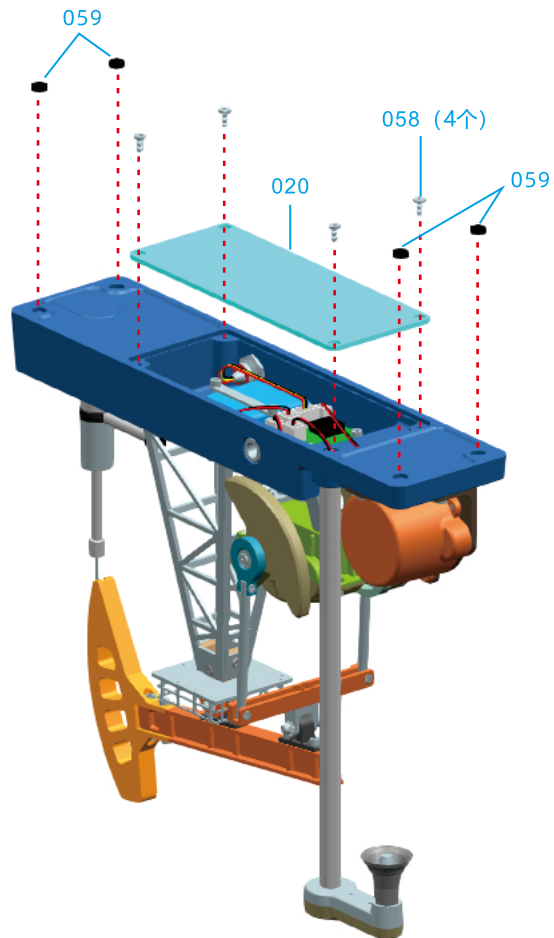
LED端子
Led terminal

7.6 插入线路端子至电路板相对应接口 -Insert the line terminal to the corresponding interface of the circuit board

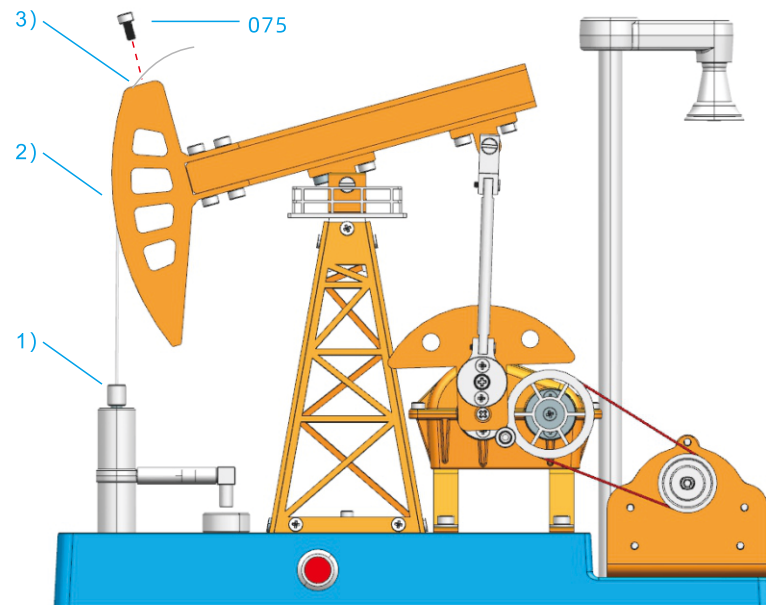


电路板标识图
Circuit board identification diagram

7.7 组装底座盖板 -Assemble the base cover plate



7.8 安装拉绳 -Install the pull rope



- 1) 将拉杆头按到最低部
- 2) 将驴头调整到最低位置
- 3) 将拉绳缠绕到075螺丝上
- 4) 拧紧075螺丝时，拉绳基本绷紧

- 1) Press the pull rod head to the lowest position
- 2) Adjust the donkey head to the lowest position
- 3) Wind the pull rope onto the 075 screw
- 4) When tightening the 075 screw, the pull rope is basically tight

二、产品整机调试 Product whole machine commissioning

组装完成

Assembly completed



整机调试

Commissioning of complete machine

按下电源开关，正常情况下，机构能平稳运转，LED灯亮。

1) 拉绳长度不合适：

请按7.8步骤（P25页）操作；

2) LED灯不亮：

a: 检查LED灯脚正负极是否接反；

b: 检查红、黑电线是否按说明书连接；

c: 检查主板LED灯端子是否插错位置。

3) 机构不运转：

a: 检查电路板各端子是否接错；

b: 检查各传动机构安装是否正确。

Press the power switch. Under normal circumstances, the mechanism can operate smoothly and the LED light is on.

1) Inappropriate length of pull rope:

Please follow step 7.8 (page P25);

2) LED light not on:

a: Check whether the positive and negative electrodes of LED lamp pins are connected reversely;

b: Check whether the red and black wires are connected according to the instructions;

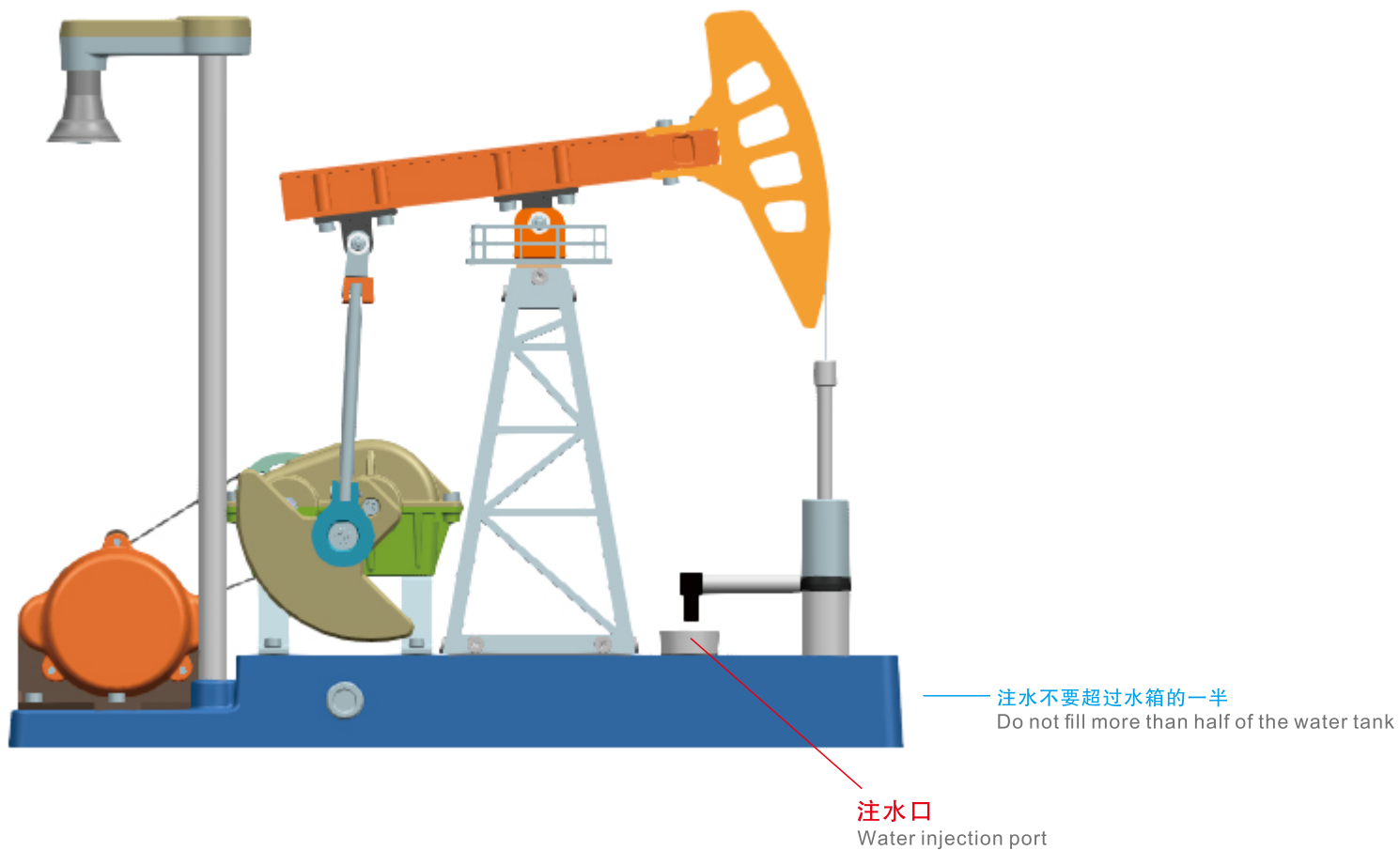
c: Check whether the LED light terminal of the main board is inserted in the wrong position.

3) Mechanism does not work:

a: Check whether each terminal of the circuit board is connected incorrectly;

b: Check whether all transmission mechanisms are installed correctly.

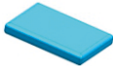
三、注水井运转 Water injection and operation

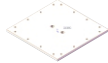


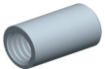
四、产品零部件列表 Product parts list

序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
001		曲柄 Crank	2
002		电机支架 Motor bracket	1
003		电机外壳 Motor housing	1
004		下箱体 Lower box	1
005		上箱体 Upper box	1
006		横梁 Beam	1
007		游梁 walking beam	1
008		连接定位块 Connecting the positioning block	2

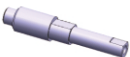
序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
009		灯罩 Lampshade	1
010		通用夜灯 Universal night light	1
011		灯杆连接块（上） Lamp pole connecting block (upper)	1
012		灯杆连接块（下） Lamp pole connecting block (lower)	1
013		电机 Electric machinery	1
014		齿轮箱支架 Gearbox support	2
015		电路板 Circuit board	1
016		开关 Switch	1

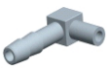
序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
017		电池 Battery	1
018		电池固定片 Battery fixing piece	1
019		电源接口 Power interface	1
020		电池盖 Battery cover	1
021		底座面板 Base panel	1
022		底座 Base	1
023		灯杆 Lamppost	1
024		支架A Support A	2

序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
025		支架B Support B	2
026		从动轴 Driven shaft	1
027		活塞轴 Piston shaft	1
028		连杆 Connecting rod	2
029		单向阀套 Check valve sleeve	1
030		护栏底座 Guardrail base	1
031		护栏 Guardrail	1
032		驴头 Donkey head	1

序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
033		过滤器箱体 Filter box	1
034		井身上盖 Upper cover of shaft	1
035		上连接块 Upper connecting block	1
036		单向阀阀体 Check valve body	1
037		大带轮 Large pulley	1
038		从动齿轮 Driven gear	1
039		压紧螺帽 Hold down nut	1
040		防水圈 Waterproof ring	2

序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
041		硅胶圈 $\phi 12 \times 2.0$ Silicone ring	1
042		单向阀活塞 Check valve piston	1
043		小钢球 Small steel ball	2
044		转轴座 Shaft seat	1
045		游梁支座 Traveling beam support	2
046		CM2.5*8平头螺钉 Pan head screw	2
047		小带轮 Small pulley	1
048		M2.5螺母 M2.5 Nut	2

序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
049		从动轴套 Driven shaft sleeve	1
050		支座转轴 Bearing shaft	2
051		M2.0螺母 Nut	5
052		M2.0垫片 Shim	2
053		皮带 Belt	1
054		主动轴 Driving shaft	1
055		主动轴套 Driving shaft sleeve	1
056		轴承 $\phi 8 * \phi 4 * 3$ Bearing	2

序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
057		轴承 $\phi 7 * \phi 4 * 2.5$ Bearing	4
058		CM2.5*5平头螺钉 Pan head screw	31
59		黑色脚垫 Black mat	4
060		硅胶管 Silica gel tube	1
061		摩擦套 Friction sleeve	2
062		L型水嘴(白色) L-shaped nozzle (white)	1
063		主动齿轮 Driving gear	1
064		横梁连接块 Beam connecting block	1

序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
065		带垫螺丝M3X6 M3X6 with washer screw	1
066		CM2*8平头螺钉 Pan head screw	2
068		硅胶圈 φ Silicone ring φ	1
069		M8螺母 Nut	2
070		M2.0X8杯头螺钉 Cup head screw	10
071		压缩弹簧 Compression spring	1
072		拉绳(黑色) Pull rope (black)	1
073		轴承套 Bearing sleeve	2

序号 Serial Number	产品图片 Product Image	产品名称 Product Name	数量 Quantity
074		转水嘴 (透明黑) Swivel nozzle (transparent black)	1
075		M2.5X6杯头螺钉 Cup head screw	29
076		LED灯线 LED light wire	1
077		转接线 Transfer line	1
078		M3.0x6杯头螺丝 Cup head screw	4
079		M3垫片 Shim	2
080		M2.0*6杯头螺丝 Cup head screw	3



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