

ES400A 电动滑板车 Electric scooter

维修部位：增加充电站接头

（总作业工时/Total Working Hours:18 分钟/minutes）

Repair part: Add a connector for use with charging stations

工具列表 Tools list



拉钉枪
Rivet gun



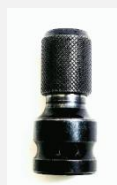
尖嘴钳
Needle nose pliers



拉线钳
Brake line plier



锂电钻
Electric
screwdriver



转接头
Adapter



卡夫特螺纹胶（蓝色）
Kafuter thread sealant (blue)



5mm 钻头
5mm Drill bit



T20 批头
T20*100mm
Hollow plum blossom
bit



T25 批头
T25*100mm Hollow
plum blossom bit



T30 批头
T30*50mm Hollow plum
blossom bit



T40 批头
T40*50mm Hollow plum
blossom bit



电动冲击钻
Electric impact
wrench



拉钉
Pop-rivet

拆卸步骤 Disassembly steps （拆卸作业工时/Working Hours: 5 分钟/minutes）

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1of18

打开盖板拔掉插头取出电池。
Open the cover, unplug and take out the battery.



2of18

撬掉左右两边的黄色反光片(一字螺丝刀)
Pry off the left/right yellow reflector (flat screwdriver)



3of18

撕下前踏板垫,拆掉 5 颗固定颈管塑胶件螺丝,取下颈管塑胶件。(T25 批头)
Remove the front pedal pad, remove 5 screws fixing the plastic part of the stem and remove the plastic part of the stem. (T25bit)



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4of18

拆下固定后护盖的 2 颗螺丝，取下后护盖。（T20 批头）
Disassemble 2 screws fixing the rear cover and remove the rear cover. (T20 bit)



5of18

拆下 1 颗固定后刹车线芯的螺丝(T30 批头)
Disassemble 1 screw fixing the rear brake cable core (T30 bit)



6of18

取下弹簧
Disassemble the spring



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7of18

取下铝尾帽

Disassemble the aluminum tail cap



8of18

拆下 3 颗固定护盖螺丝，取下护盖。（T25 批头）

Disassemble 3 screws fixing the cover and remove the cover. (T25 bit)



9of18

拆下 1 颗固定前刹车线芯螺丝。（T30 批头）

Disassemble 1 screw fixing the front brake cable core. (T30 bit)



10of18

取下弹簧

Disassemble the spring



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11of18

取下铝尾帽
Disassemble the aluminum tail cap



12of18

拆掉中控 2 颗螺丝并取出拔掉接头。(T20 批头)
Remove the 2 screws of the control unit and take it out, then disconnect the connectors. (T20 bit)



13of18

拔掉通讯线接头。
Disconnect the communication cable connector.



14of18

拆掉车头 5 颗螺丝并取出。(T25 批头)
Remove the 5 screws of the handlebar assembly and take it out.
(T25 bit)



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15of18

钻掉拉丁 (5mm 钻头)
Drill off the pop-rivet (5mm drill bit)



16of18

拧松 3 颗固定束仔螺丝 (T40 批头)
Loosen 3 screws fixing the clamp (T40 bit)



17of18

捅掉剩余的铆钉，拉出车头。
Poke off the remaining pop-rivets and pull out the headset.



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取出束仔并拆掉定位固定套的 1 颗螺丝和拧松 3 颗固定螺丝, 并往上取出。(T30 批头)

18of18

Remove the clamp, then remove the 1 screw securing the positioning sleeve and loosen the 3 fixing screws, then pull it upward to remove. (T30 bit)

安装步骤 **Assembly steps** (安装作业工时/Working Hours: 13 分钟/minutes)

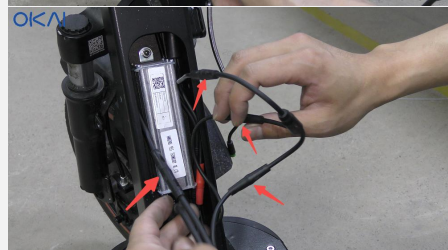
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零件全图
Full parts image

拔掉充电线和通讯线接头拔掉，按视频相对应连接好。
Disconnect the charging cable and communication cable connectors, then reconnect them according to the video, matching the corresponding connections.

1of34



ES400A 电动滑板车 Electric scooter

2of34

将充电站接头从车架穿入至头管穿出，按视频梳理好线束。
Route the charging station connector through the frame and out through the head tube, then neatly arrange the wiring harness as shown in the video.



3of34

将线束和后刹车线皮穿入固定套并装入。
Thread the wiring harness and the rear brake cable housing through the fixing sleeve and install it.

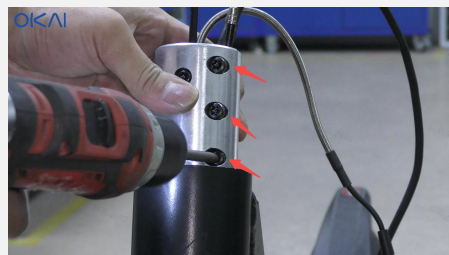


4of34

锁紧固定套定位 1 颗螺丝，再锁紧 3 颗固定螺丝。（T30 批头）
扭力：11N.m
Tighten the 1 positioning screw of the fixing sleeve, then tighten the 3 fixing screws. (T30 bit) Torque: 11 N • m



ES400A 电动滑板车 Electric scooter



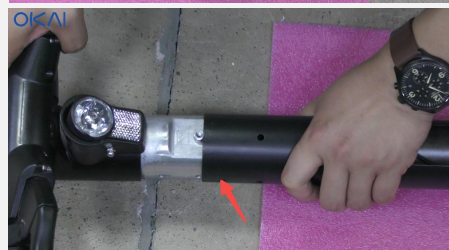
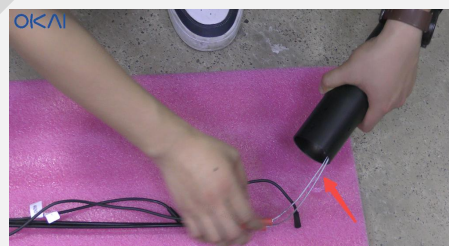
5of34

将束仔有定位孔朝下装入。
Install the clamp with the positioning hole facing downward.



6of34

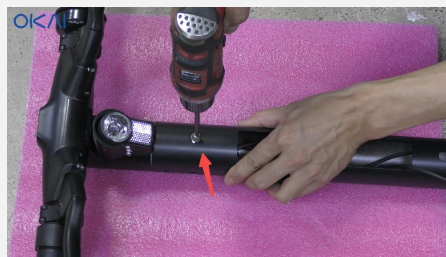
将前后线芯和全部线束穿入直杆并装上车把头。
Thread the front and rear cable cores and all wiring harnesses through the straight rod, then install the handlebar clamp.



ES400A 电动滑板车 Electric scooter

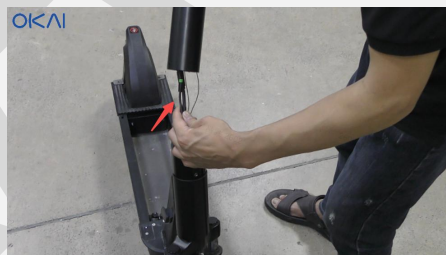
7of34

先预锁车把头 3 颗螺丝再依次锁紧 5 颗螺丝。(T25 批头) 扭力: 4-6N.m
First, pre-tighten the 3 screws of the handlebar clamp, then tighten the 5 screws in sequence. (T25 bit) Torque: 4-6 N·m



8of34

提起前直杆穿入前后刹车线芯和线束并装入到位。
Lift the front straight rod, thread it through the front and rear brake cable cores and the wiring harness, and install it into place.



9of34

充电站线束插头穿出过线孔并与接头连接好后多余线束塞入直杆内。
Thread the charging station wiring harness plug through the wire hole, connect it to the corresponding connector, and then tuck any excess wiring into the straight rod.



ES400A 电动滑板车 Electric scooter

10of34

充电站接头固定座锁紧 1 颗螺丝。(T25 批头) 扭力: 3N.m
Tighten the 1 screw of the charging station connector mounting bracket. (T25 bit) Torque: 3 N·m



11of34

将定位螺丝对准定位孔装上扣上充电站接头座锁紧 4 颗螺丝。(T30 批头)
扭力: 9-11N.m
Align the positioning screw with the positioning hole, install the charging station connector base, and tighten the 4 screws. (T30 bit)
Torque: 9-11 N·m



ES400A 电动滑板车 Electric scooter

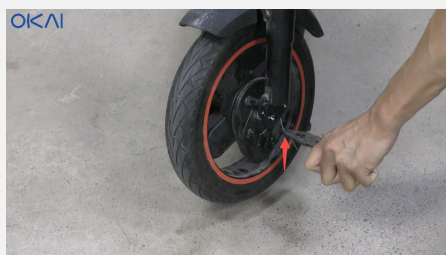
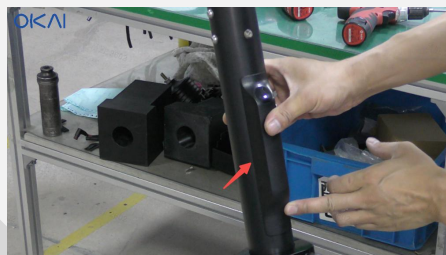
将通讯线接头中控接头相对应连接好，并梳理好线束装上中控锁紧 2 颗螺丝。（T20 批头）扭力：2N.m

Connect the communication cable connector and the control unit connector

to their corresponding counterparts, neatly arrange the wiring harness,

then install the control unit and tighten the 2 screws.

(T20 bit) Torque: 2 N·m



用尖嘴钳拉顺前后刹车线芯

Use needle-nose pliers to smooth out and straighten the front and rear brake cable cores.

装入拉丁

Assemble the pop-rivet

ES400A 电动滑板车 Electric scooter

15of34

穿入弹簧
Insert the spring



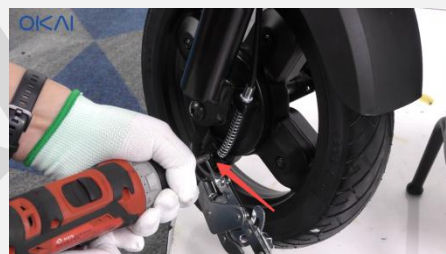
16of34

给固定刹车线芯螺丝涂上蓝色厌氧胶
Apply blue anaerobic adhesive on the screw fixing the brake cable core



17of34

用拉线钳拉紧前刹车线芯，锁紧刹车线芯固定螺丝。
(T30 批头) 扭力:11-13N.m
Use a brake line plier to tighten the front brake cable core and tighten the fixing screw of the brake cable core. (T30 bit) torque: 11-13N. m



18of34

试一下刹把刹车力度（手握刹把测松紧度，刹把捏紧后距把套 15-20mm，松开刹车，转动轮子不磨刹车皮，不符合重新调刹车。） Test the braking force of the brake lever (pinch the brake lever by hand to measure the tightness. After the brake lever is pinched tightly, it is 15-20mm away from the handlebar grip. Release the brake. Turn the wheel without grinding the brake rubber-block. Carry out re-adjustment if not satisfactory.)



ES400A 电动滑板车 Electric scooter

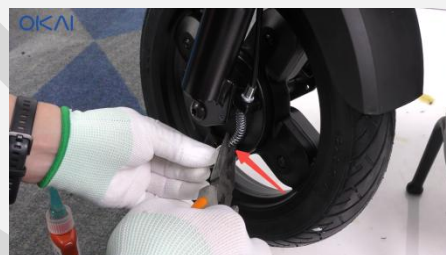
19of34

装入铝尾帽，夹紧铝尾帽。
Assemble and clamp the aluminum tail cap.



20of34

将刹车线芯塞入弹簧内
Insert the brake cable core into the spring



21of34

装上护盖，锁紧 3 颗固定护盖螺丝。（T25 批头）（扭力：3N.m-5N.m）
Assemble the cover and tighten 3 screws fixing the cover.
(T25 bit) (torque: 3N.m-5N.m)



22of34

穿入弹簧
Insert the spring



ES400A 电动滑板车 Electric scooter

23of34

给固定刹车线芯螺丝涂上蓝色厌氧胶
Apply blue anaerobic adhesive on the screw fixing the brake cable core



24of34

用拉线钳拉紧后刹车线芯，锁紧刹车线芯固定螺丝，
(T30 批头) (扭力:11-13N.m)
Use a brake line plier to tighten the rear brake cable core and
tighten the fixing screw of the brake cable core (T30 bit) (torque:
11-13N. m)



25of34

试一下刹把刹车力度 (手捏刹把测松紧度，刹把捏紧后距把套 15-20mm，
松开刹车，转动轮子不磨刹车皮，不符合重新调刹车。))
Test the braking force of the brake lever (pinch the brake lever by
hand to measure the tightness. After the brake lever is pinched tightly, it
is 15-20mm away from the handlebar grip. Release the brake. Turn the
wheel without grinding the brake rubber-block. Carry out re-adjustment
if not satisfactory.)



26of34

装入铝尾帽，夹紧铝尾帽。
Assemble and clamp the aluminum tail cap.



ES400A 电动滑板车 Electric scooter

27of34

将刹车线芯塞入弹簧内

Insert the brake cable core into the spring



28of34

装回护盖，锁紧 2 颗固定护盖螺丝。（T20 批头）（扭力：3N.m-5N.m）

Assemble the cover and tighten 2 screws fixing the cover.

(T20 bit) (torque: 3N.m-5N.m)



29of34

锁紧 3 颗固定束仔螺丝（T40 批头）（扭力：25N.m）

Tighten 3 screws fixing the clamp (T40 bit) (torque: 25N. m)



30of34

拉紧拉钉

Tighten the pop-rivet



ES400A 电动滑板车 Electric scooter

31of34

装上颈管塑胶件锁紧 1 颗螺丝，贴上胶垫。（T25 批头）扭力：3N.m
Install the neck tube plastic part, tighten the 1 screw, and attach the rubber pad. (T25 bit) Torque: 3 N·m



32of34

锁紧颈管塑胶件 4 颗螺丝。（T25 批头）扭力：3N.m
Tighten the 4 screws on the neck tube plastic part. (T25 bit) Torque: 3 N·m



ES400A 电动滑板车 Electric scooter

33of34

涂上黑胶装上左右反射器。

Apply black adhesive and install the left and right reflectors.



34of34

装入电池插上插头盖上盖板。

Insert the battery, plug in the connector, and close the cover panel.



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