



HP201.6V Battery Pack Assembly Manual (HP201.6V 电池组装手册)

The manual applies to Toyota Auris 2012-2018 power battery replacement guide.

(该手册适用于丰田 Auris 2012-2018 动力电池替换指导)

1. Please open the box individually and find the components in following list（打开箱并在盒子里找到如下部件）：

NO. 序号	Part Name 组件名称	Quantity 数量
1	Module 模组	14
2	Voltage collection wiring harness 电压采集线束	1
3	Connector busbar 连接片（铜排）	12
4	Positive copper busbar 正极铜排	1
5	M5x10 Combination nut M5x10 组合螺母	28
6	Cover plate 2# 盖板 2#	13
7	Cover plate 3# 盖板 3#	1
8	Cover plate 4# 盖板 4#	1
9	Insulating cap 绝缘帽	2
9	Insulating tape 绝缘胶带	1

2. The combination of modules（模块之间的组合）

The 14 modules should be combined in sequence according to the serial numbers marked on each module. The modules and hoops should be installed in the correct positions as shown in the following figure.（14个模块按序列号依次组合在一起；模块和卡箍应该放置在适当的位置）。



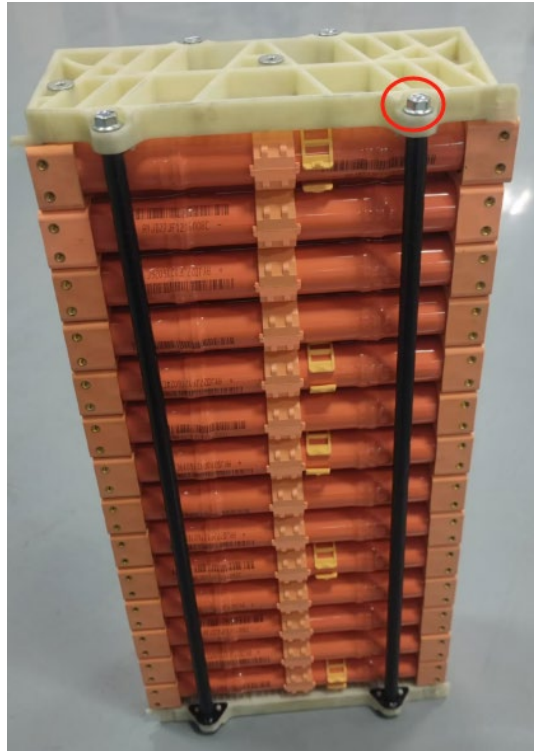
3. Wrap the 4 fixed brackets with insulating tape to ensure the insulation between the modules and the fixed brackets. (将4根固定支架用绝缘胶带进行缠绕，确保模组与固定支架的绝缘性)。



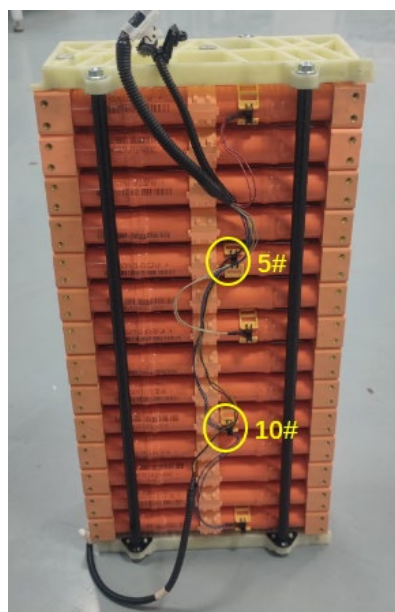
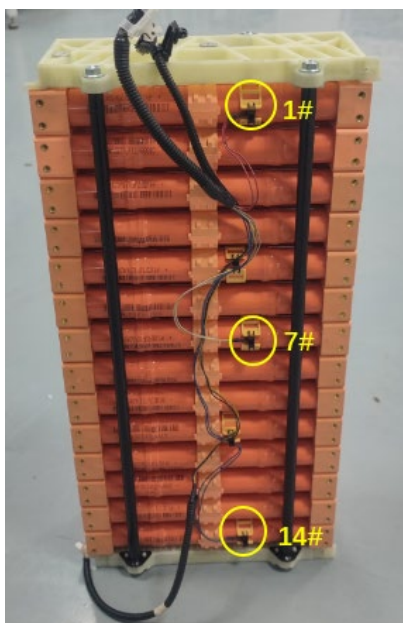
4. The installation of modules (模组安装)
Install modules 01# ~ 14#. (将01#~14#模组进行安装)



5. Fix and tighten the splint screws (将夹板螺丝进行固定拧紧)



6. Install the temperature collection wiring harness and clip the temperature sensors on the modules 1#, 7# and 14#, and fix the temperature collection wiring harness on the modules 5# and 10#. (安装温度采集线束, 将温度传感器用卡扣固定在1#、7#、14#模组上, 将温度采集线束用卡扣固定在5#和10#模组上)。



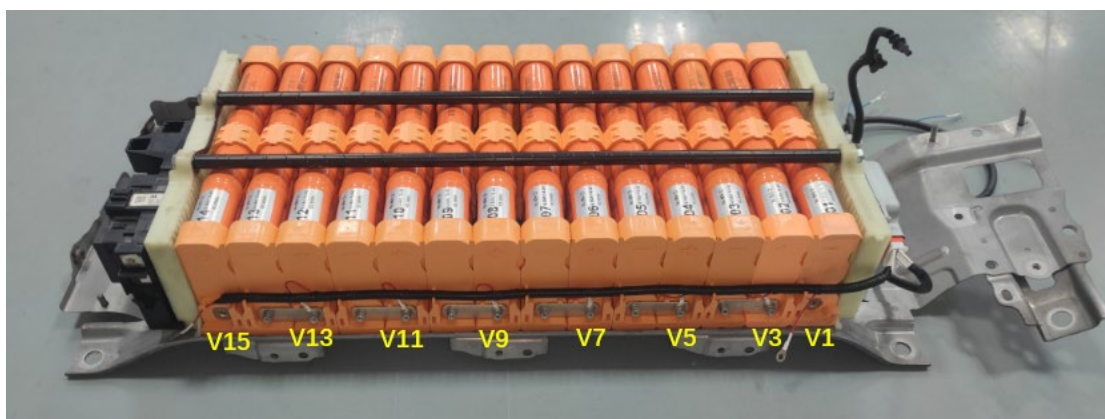
7. Lift the modules into the metal case and place the fixing splint into the positioning hole. (将模组抬入板件中，固定夹板放入定位孔当中)



8. Tighten the fixing screws on both sides of the bottom of the modules.
Note: torque of screws is 5 ~ 6Nm (将模组底部两侧固定螺丝进行拧紧，注：螺丝扭力5~6Nm)



9. Install the voltage collection wiring harness and connector busbars,
note: torque of busbar screws 5 ~ 6Nm (安装电压采样线束及连接铜排，注：铜排螺丝扭力5~6Nm)



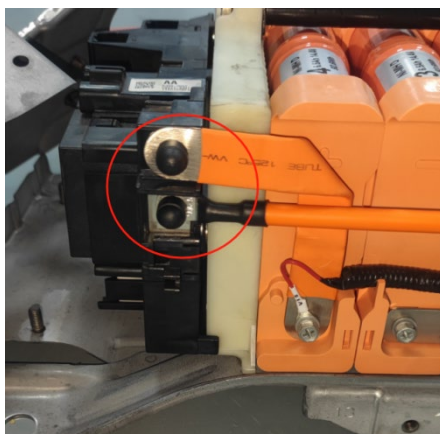
10. Install the voltage collection wiring harness and connector busbars on the other side. Note: torque of busbar screws is 5 ~ 6Nm. (安装另一侧电压采集线束及连接铜排, 注: 铜排螺丝扭力 5~6Nm)。



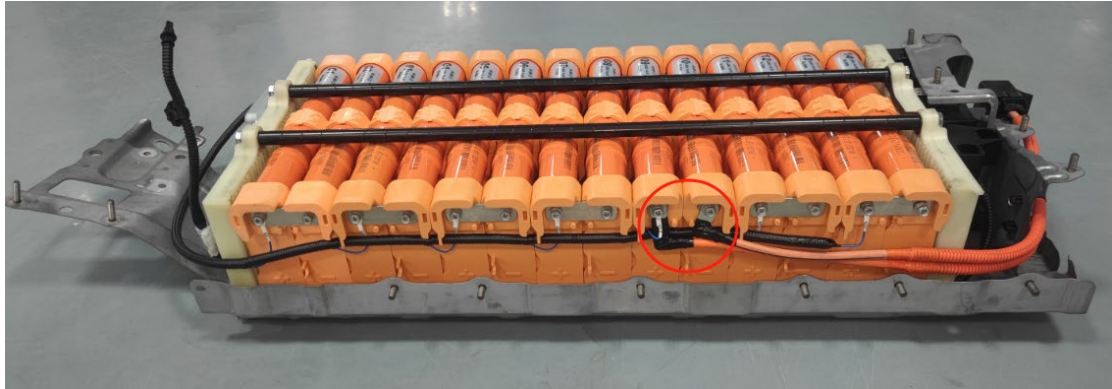
11. Install the positive busbar and the main negative power harness. (安装正极铜排、总负动力线束)。



12. Install the main positive and main negative insulation caps at the relay box connection for insulation protection. (安装继电器盒连接处总正、总负绝缘帽, 进行绝缘防护)。



13. Install the MSD power harness on the other side. (安装另一侧 MSD 保险动力线束)。

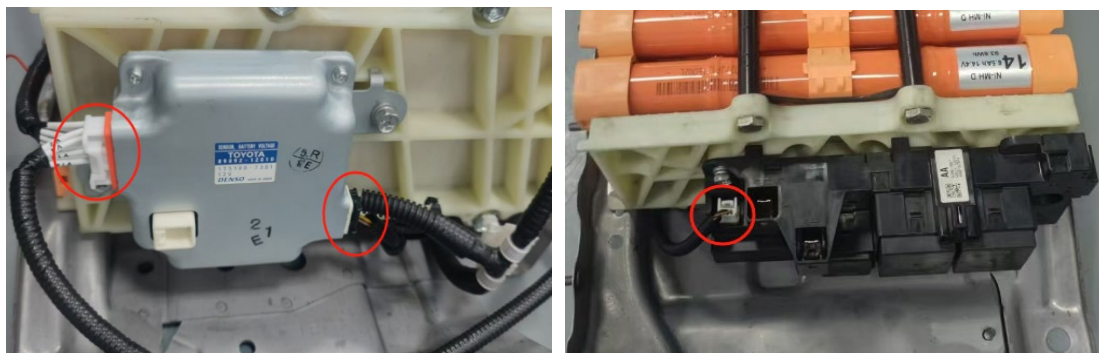


14.The installation of cover plates (安装盖板)。

Install the cover plates 2#, 3#, 4# individually. (安装盖板 2#、安装盖板 3#、安装盖板 4#)。



15. Install the plugs of the voltage collection wiring harness and temperature sensors according to the original positions. (按原位置安装电压采集接线插头和温度传感器插头)。



16. Install the cover plate of battery pack (安装电池组件盖板)。



17. Put the battery pack back into the vehicle and connect the main wires of the positive and negative poles in the correct positions. (the correct position are marked with red circle in the follow figure). (完成组装的电池组件，然后放回车辆，正确将正负极接头对插、采集线束接头对插)。

18. After completing the installation of all accessories, check everything to ensure it is correct, then install the original MSD fuse. (完整安装所有配件，正确检查一切后安装 MSD 维修保险)。



Finally, start the vehicle. (最后,启动车辆)。