



HP244.8V Battery Pack Assembly Manual (HP244.8V 电池组装手册)

The manual applies to Toyota's 7th generation Camry hybrid battery replacement guide.

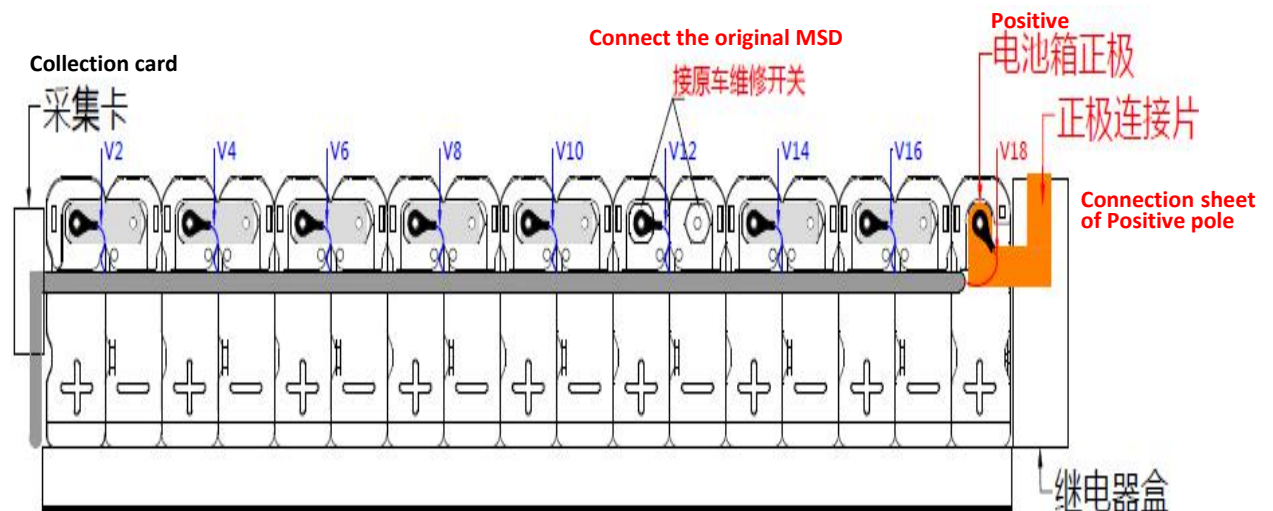
(该手册适用于丰田凯美瑞第七代动力电池替换指导)

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

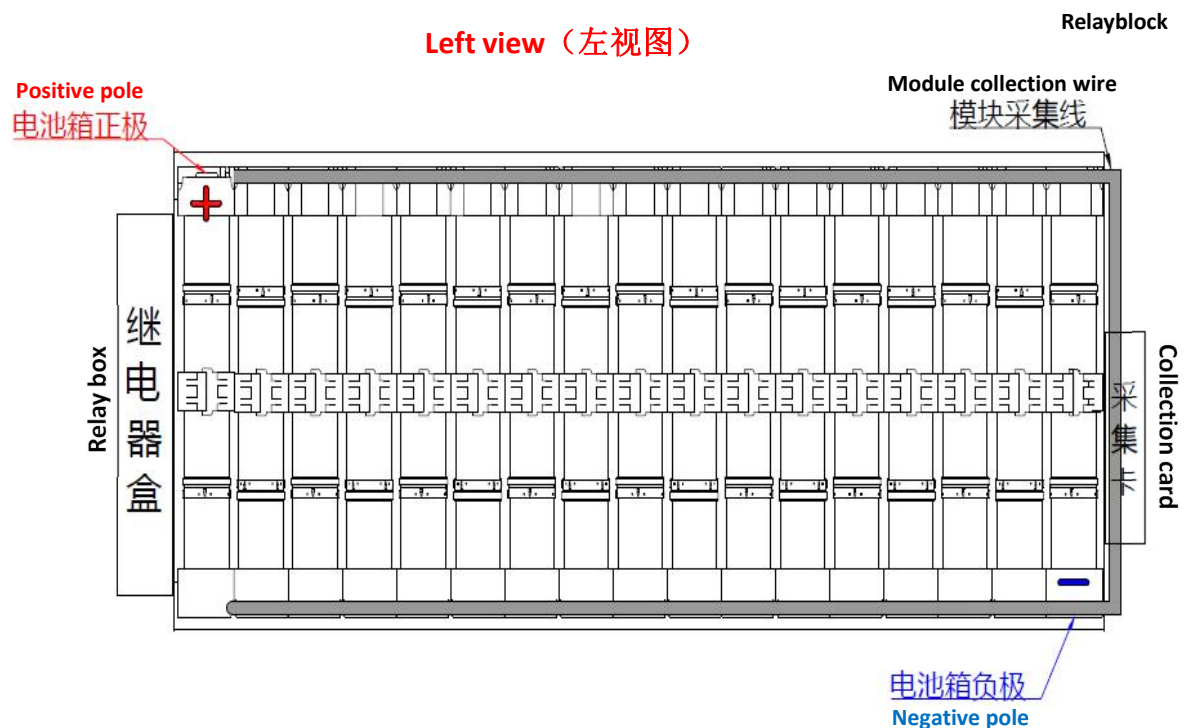
NO. 序号	Component Name 名称	Quantity 数量
1	Module 模组	17
2	Voltage collection wiring harness 电压采集线束	1
3	Connection sheet 连接铜排	15
4	M5x10 Combination nut M5x10 组合螺栓	35
5	Cover plate #1 盖板 1	1
6	Cover plate #2 盖板 2	15
7	Cover plate #3 盖板 3	1
8	Cover plate #4 盖板 4	1
9	Insulating tape 绝缘胶带	1
10	Main positive power wire 总正动力线	1



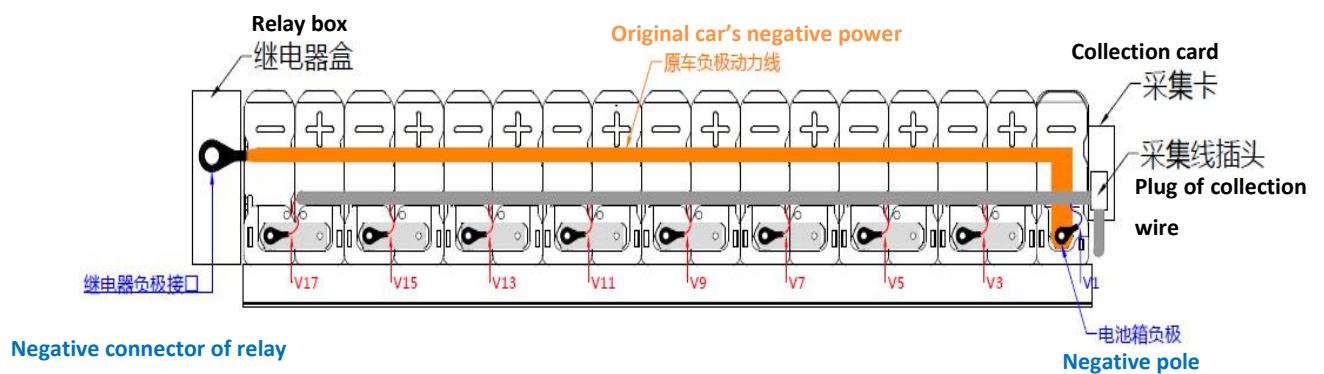
2. Two-Dimensional chart of battery pack and routing layout of wiring harness for voltage collection（蓄电池包二维图、电压采集线束布线图）。



Left view (左视图)



Top view (俯视图)



Right view (右视图)

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

The 17pcs modules should be combined successively according to serial number which marked on the module. The module and hoop should be installed in the correct position as shown in the following picture. (将17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)。



4. To ensure the insulation in all the contact between modules and fixed brackets, 4 pieces fixed brackets should be wrapped with insulating tape. (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)。



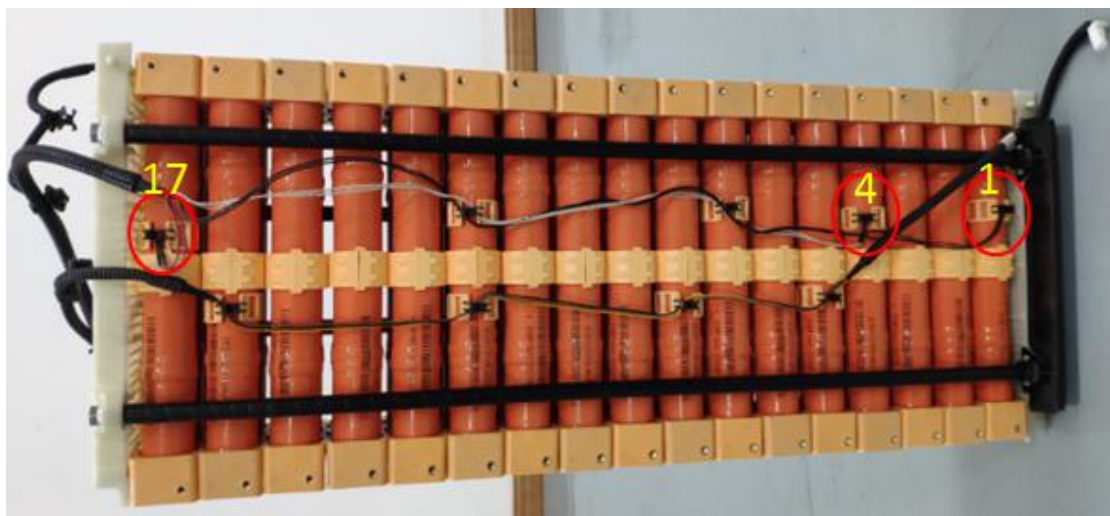
4. The installation of module (模组安装)

4.1 The positive pole and negative pole of module should be installed at correct direction as shown in following picture. Install 17 pieces modules orderly, then fix the bottom of module. (将17个模组依次进行安装，模组方向有正负之分(如下所示)，作为固定模组基准)。

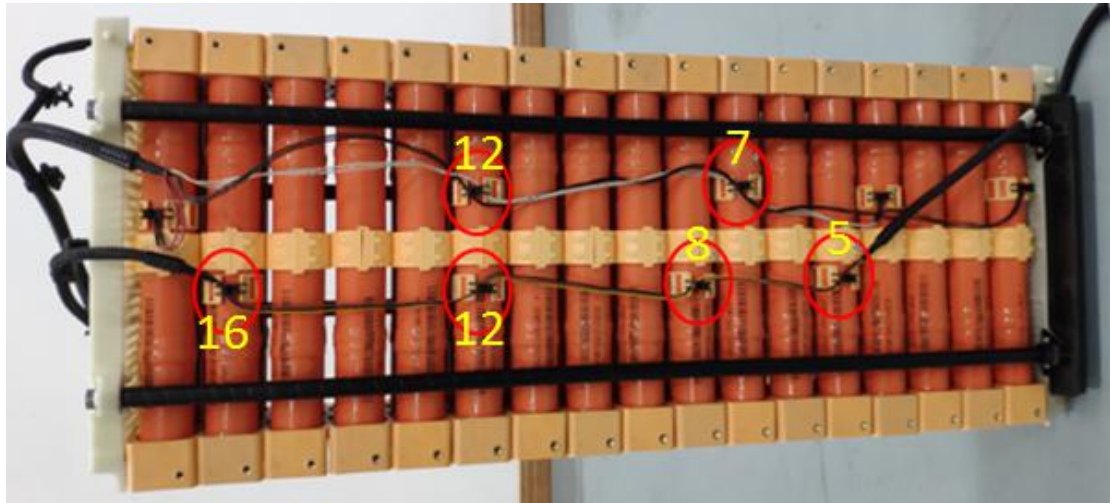


4.2 The temperature probe should be installed on the buckle of the bottom of the module #01, #04and #17.

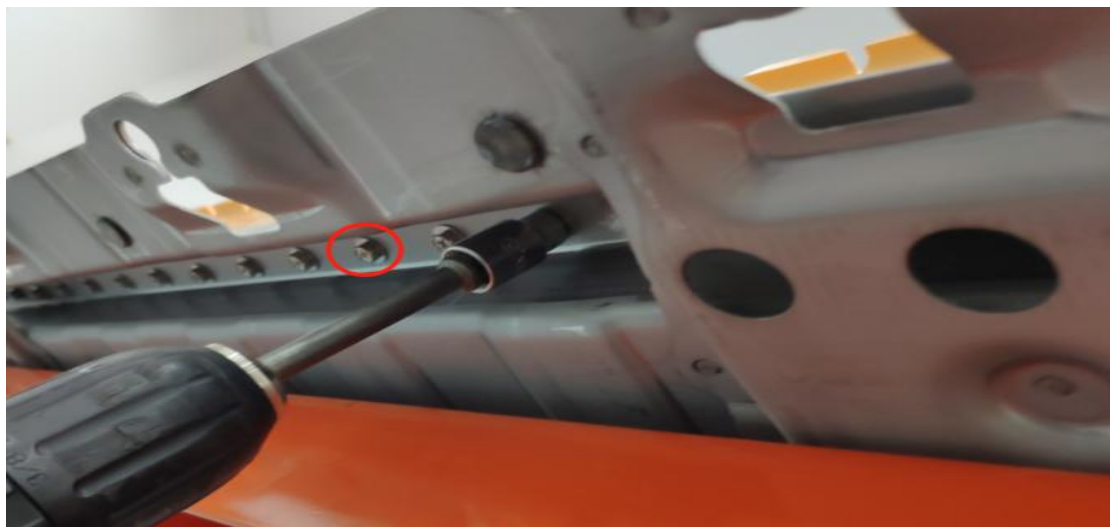
(将温度探头安装在模组:01#、04#和17#底部卡扣上)。



4.3 The temperature probe wiring harness should be installed on the buckle of the bottom of the module #05、#07、#08、#12、#12 and #16.
(将温度探头线束安装在模组 (05#、07#、08#、12#、12#、16#) 底部卡扣上)。

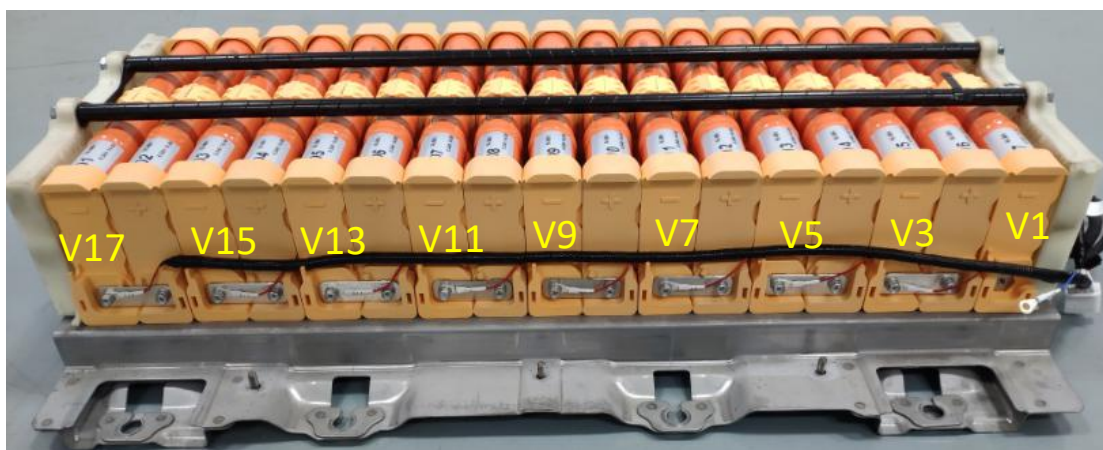


4.4 Tighten the screws at the bottom of module (Note: The torque of screw is 5~6 N·m). (将模组底部螺丝进行拧紧固定 (注: 螺丝扭力5~6N·m))。

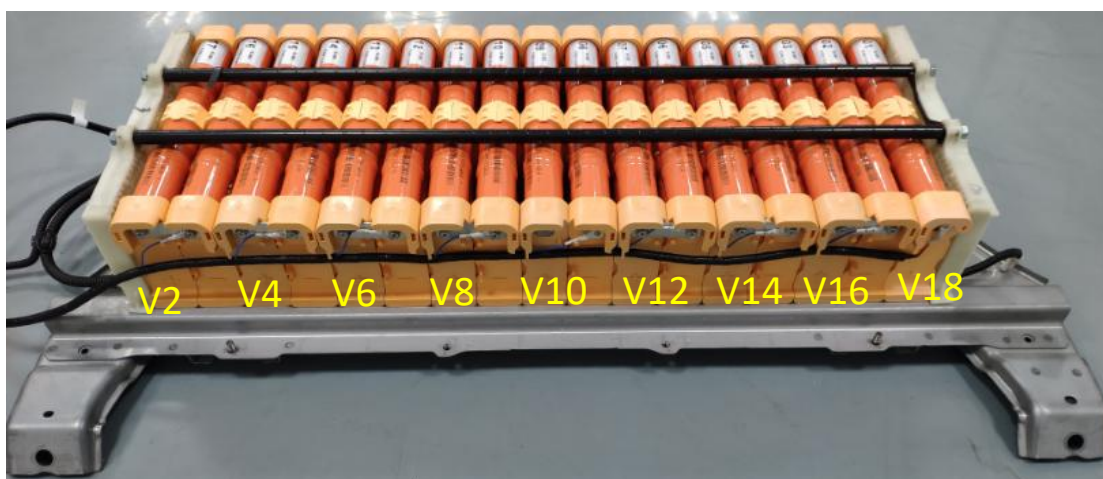


5. The installation of the connector copper bar and voltage collection wiring harness. (安装连接铜排及电压采集线束)。

5.1 Install the connector copper bar and voltage collection wiring harness synchronously (Note: screw torque 5~6 N·m). (将电压采集线束及连接铜排同步进行安装 (注: 铜排螺丝扭力 5~6N·m))。

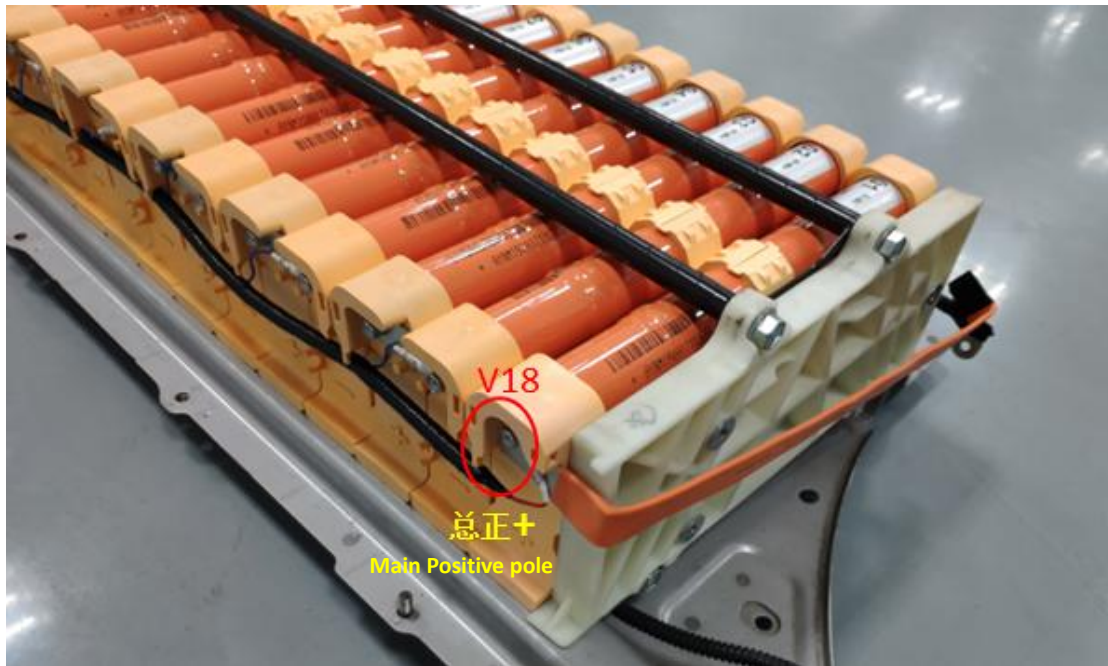


5.2 Install the voltage collection wiring harness and connector copper bar on the other side. (安装另一侧电压采集线束及连接铜排)。

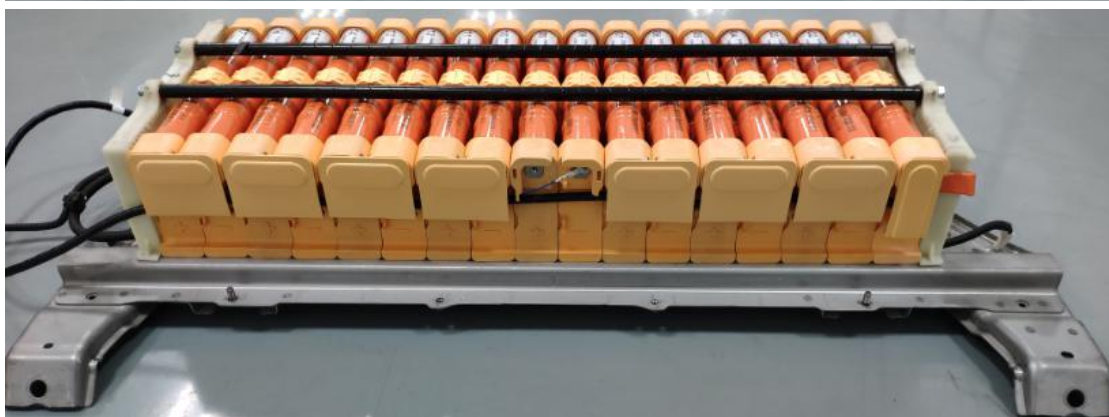


6. Install the wiring harness of positive pole, the wiring harness of negative pole and insurance wiring harness . (安装正、负极线束和保险线束)。



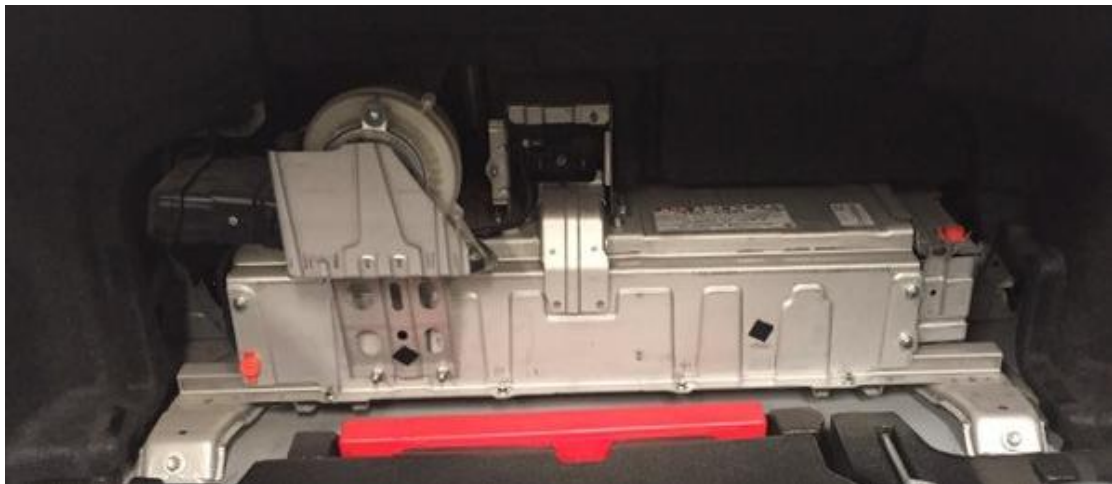


7. The installation of cover plates (安装盖板)。



8 Install the original insurance connector on the position of voltage collection wire #V10 according to the red circle as showed in following picture. (安装原保险连接器, 连接在电压采集电路 V10 位置)。

10. Install the plugs of voltage collection wire and temperature sensor according to the original position. (按原位置安装电压采集线束接头和温度传感器插头)。



11. Put the battery pack back to the vehicle, and connect the main wire of positive pole and negative pole in correct position. (完成组装的电池组件, 然后放回车辆, 正确连接正负主线)。

12. Check everything correctly after finishing all accessories installation , then install the original insurance component(MSD). (完整安装所有配件, 正确检查一切后安装原保险(MSD))。

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

13. Don't start the engine right away. Switch on the auto power and keep the dashboard on for 3-5 minutes to give Hybrid car system a time to scan the new battery pack informations. so that the previous error code could be cleaned up from the system. Only then, start the engine.

(更换好电池后，不要立刻启动汽车。启动仪表盘，等待 3-5 分钟，让汽车系统对新电池的信息做完全的辨识，以便清除掉之前的错误码。最后再启动汽车。)