

Workshop Technical manuals

车间内部技术手册

Gasoline vehicle generator TEC series suitable for TEC30, TEC40, TEC60, TEC80



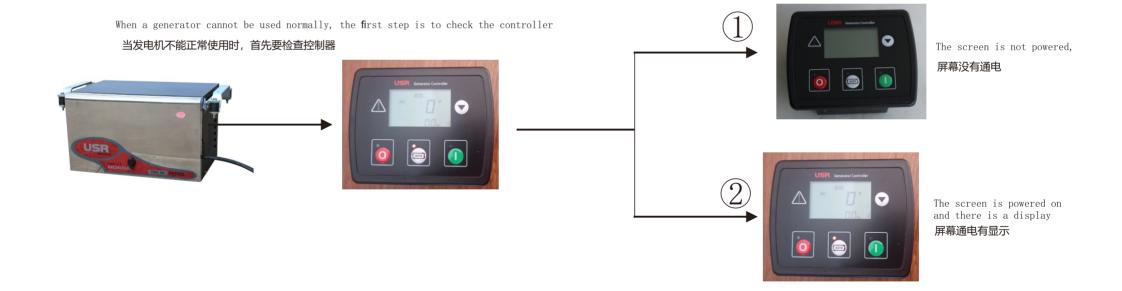
福安市优盛科技有限公司 USR INDUSTRIES CO.,LTD



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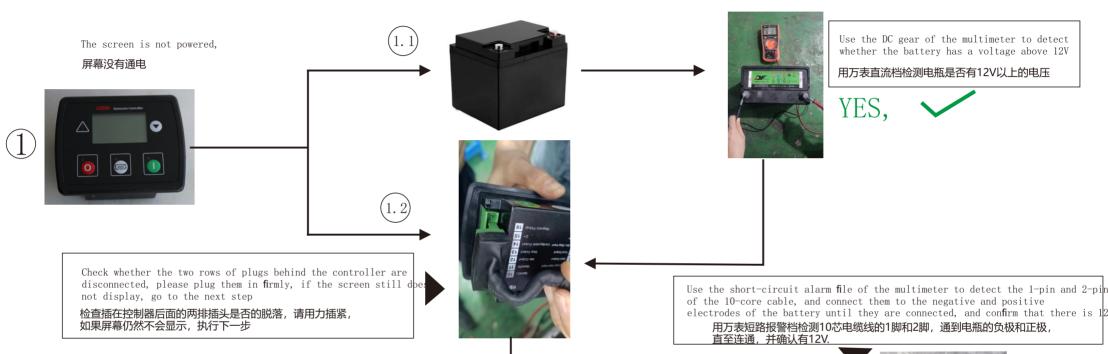
Workshop Technical manuals 车间内部技术手册

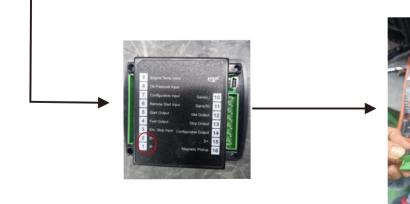
Look at the control, there are two possibilities, one screen is not powered on, the other screen is powered on and there is a display 看控制上有两种可能,一种屏幕没有通电,另一种屏幕通电有显示





The screen is not power 屏幕没有通电





Use the DC gear of the multimeter to check whether 1- B- and 2- B+ on the corresponding controller have 12V. If there is 12V, and the two sets of cables are plugged in tightly again, the controller is broken, please replace the controller.

If 1- B- and 2- B+ do not have 12V, go to next step

用万表直流档检测对应的控制器上的1-B-和2-B+, 是否有12V, 如果有12V, 两组排线又插紧了, 那控制器坏了, 请更换控制器。 如果1-B-和2-B+没有12V, 执行下一步



YES,

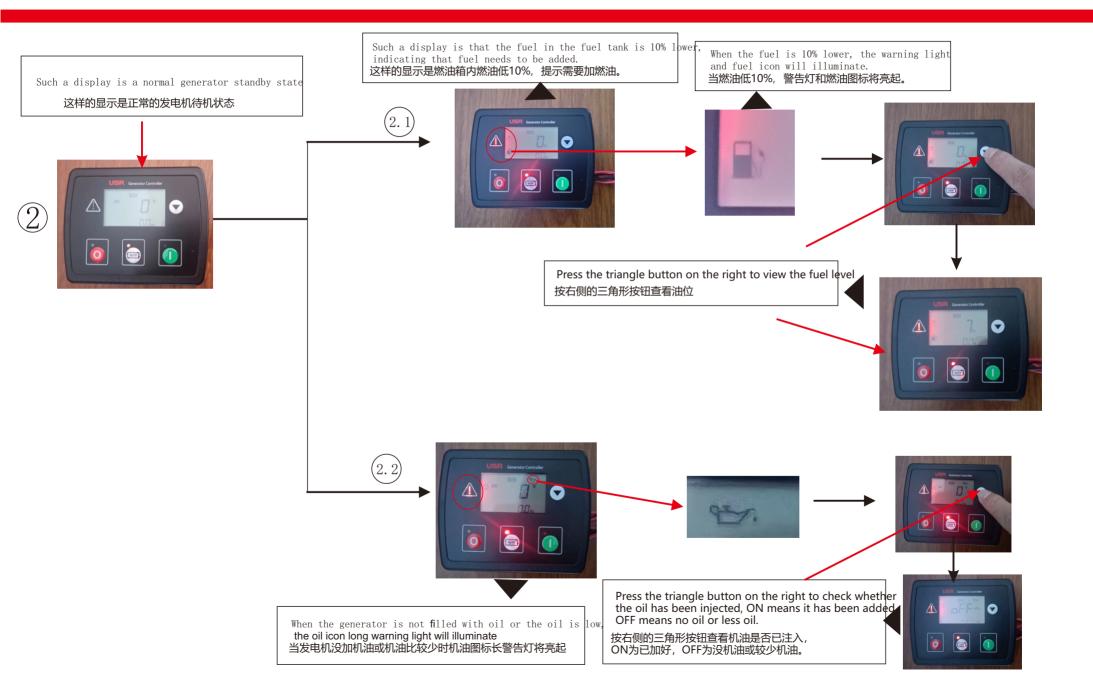






Such a display is a normal generator standby state

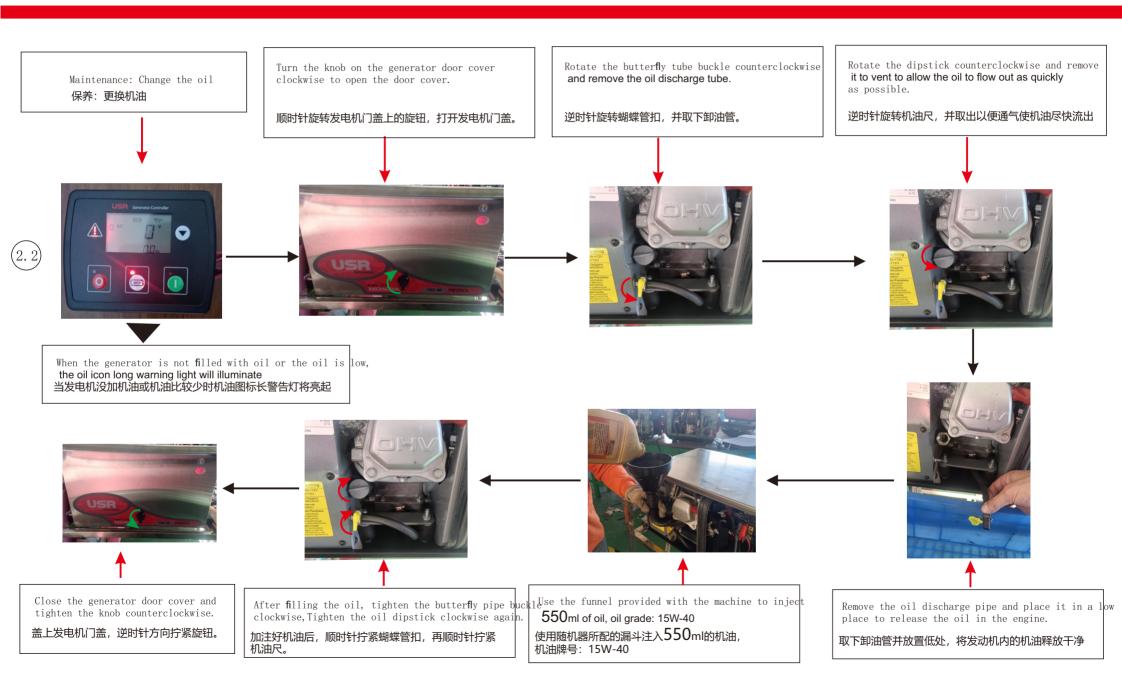
显示是正常的发电机待机状态





Maintenance: Change the oil

保养: 更换机油





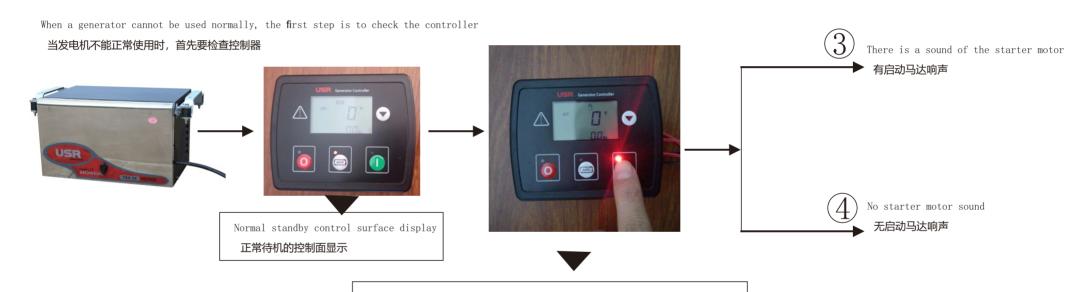
Generator can't start **发电机不能启动**



DANGER! WARNING! 危险 数生

The generator will start 5 times in a row, and the 12V power supply on the battery must be disconnected during maintenance, otherwise the generator will start suddenly and cause injury.

发电机将会连续启动5次,在维修时必须断开电瓶上的12V电源,否则发电机突然启动导致受伤。



When the green I key is pressed, the generator starts to start. If the generator does not start successfully, it will start 5 times. This is the factory setting, or it can be set according to the customer's instructions.

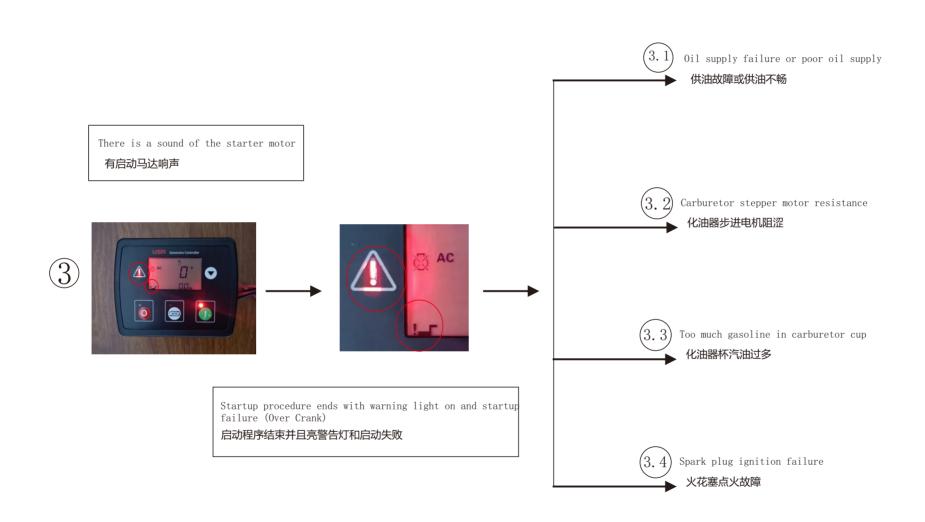
当按下绿色的l键后发电机开始启动,如果发电机没有启动成功,则会启动5次,这是出厂设置,也可以按客户的要示设置。

If the generator starts normally, the two groups will start successfully and run normally. After the two groups started still cannot be running which indicates that the generator has a fault.

发电机正常启动两组就会成功启动,并正常运行。两组启动过后, 发电机不能启动,这说明发电机已经有故障。

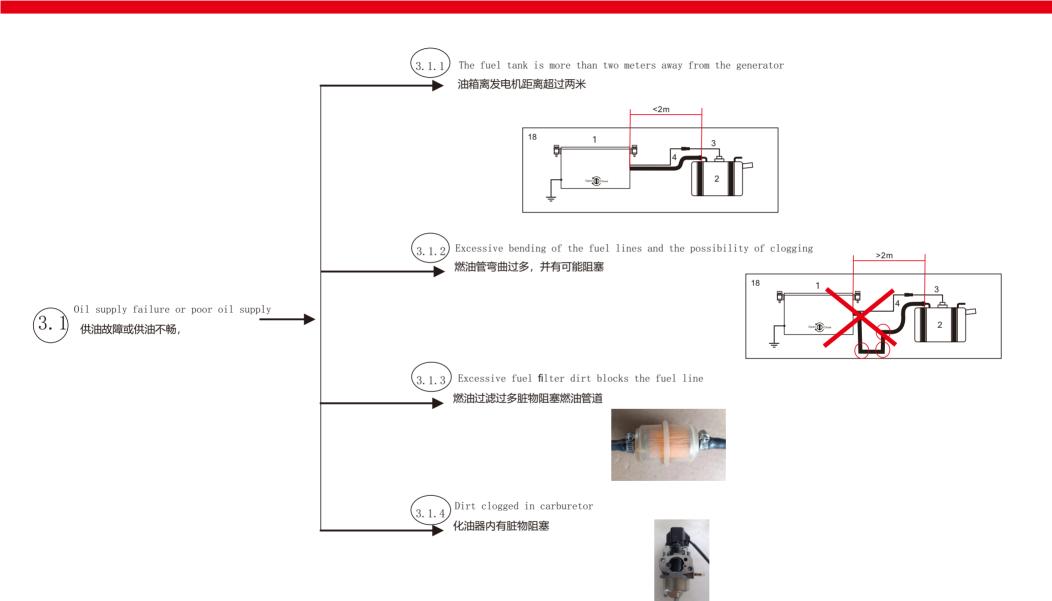


Fault with starter motor sound 有启动马达响声的故障



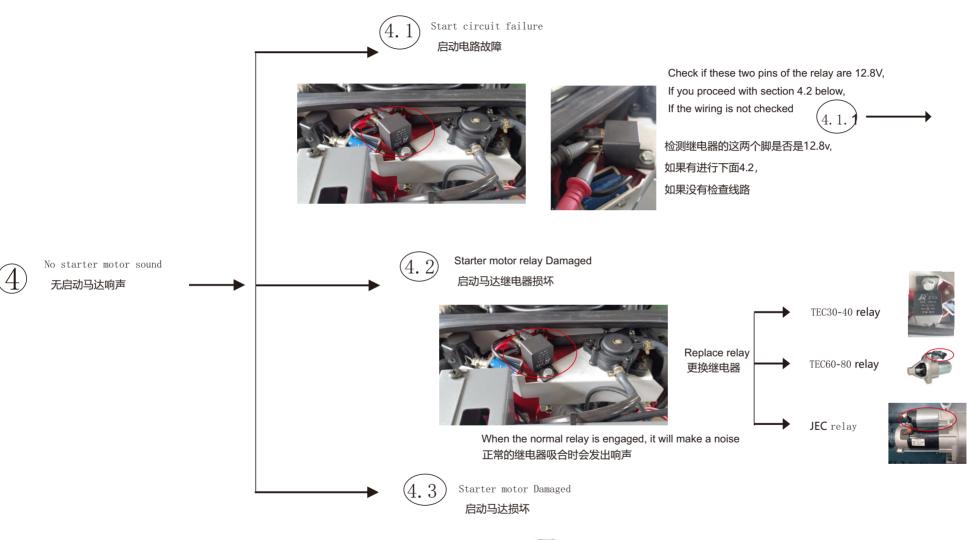


0il supply failure or poor oil supply 供油故障或供油不畅





Fault without starter motor sound 没有启动马达响声的故障



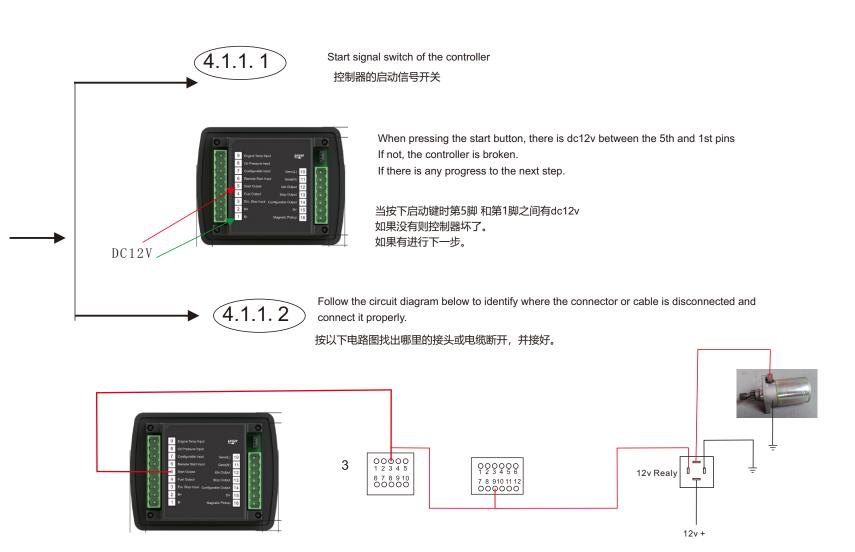




Start line fault check

启动线路故障检查

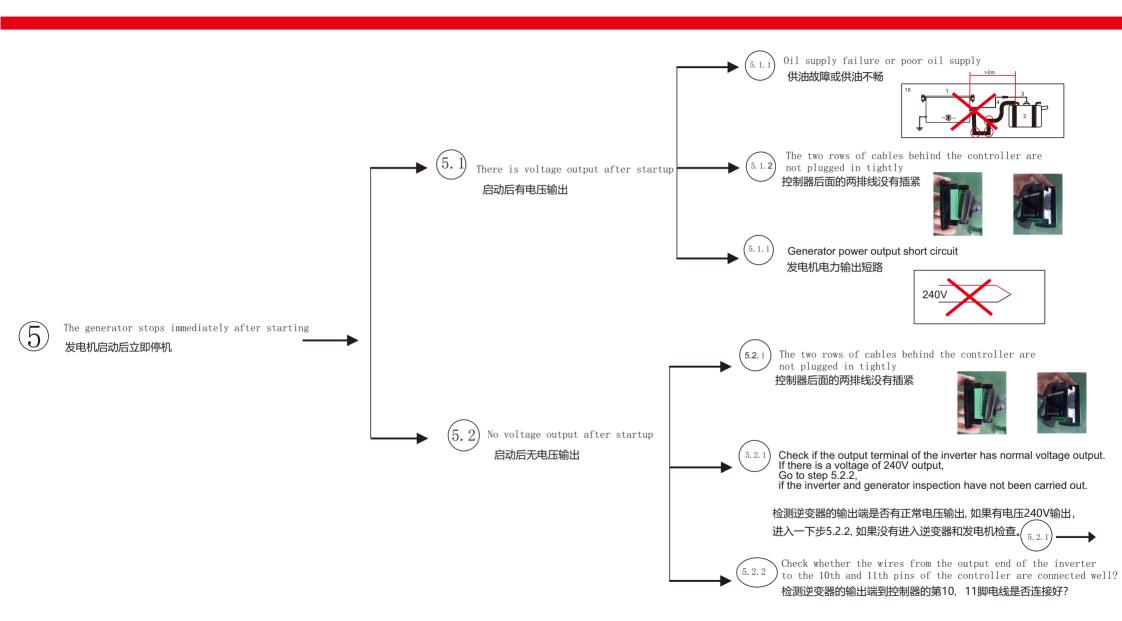
Start line fault check 启动线路故障检查







The generator stops immediately after starting 发电机启动后立即停机

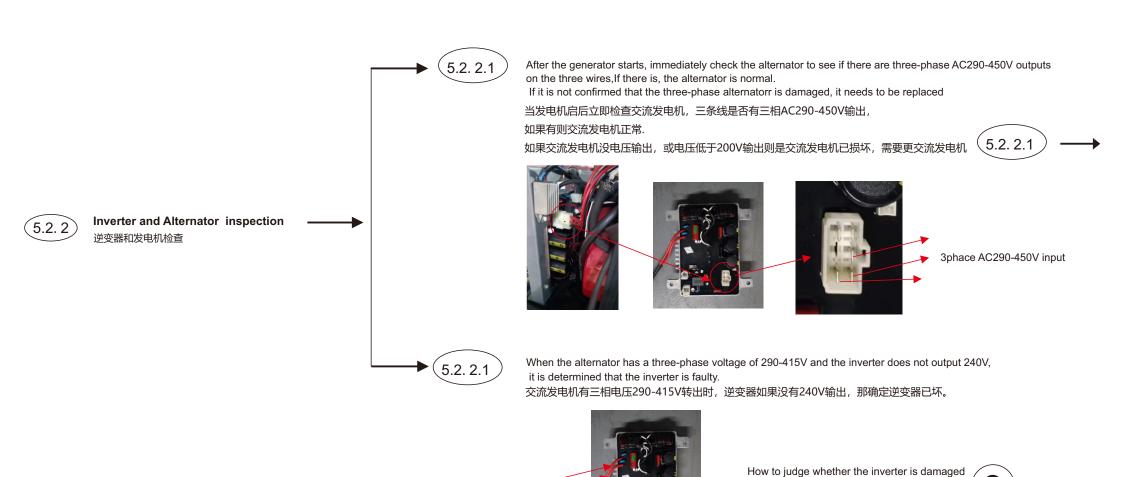




5.2. 2

Inverter and Alternator inspection

逆变器和发电机检查



Single phase 240v Output

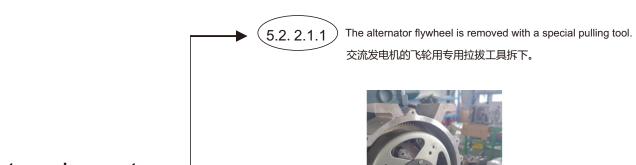
如何判断逆变器是否损坏



5.2. 2.1

Alternator replacement

更交流发电机



5.2. 2.1 Alternator replacement 更交流发电机 →



5.2. 2.1.2

Remove the stator of the alternator from the base as shown in the figure below.

交流发电机的定子从机座上取下,用以下图示方法。

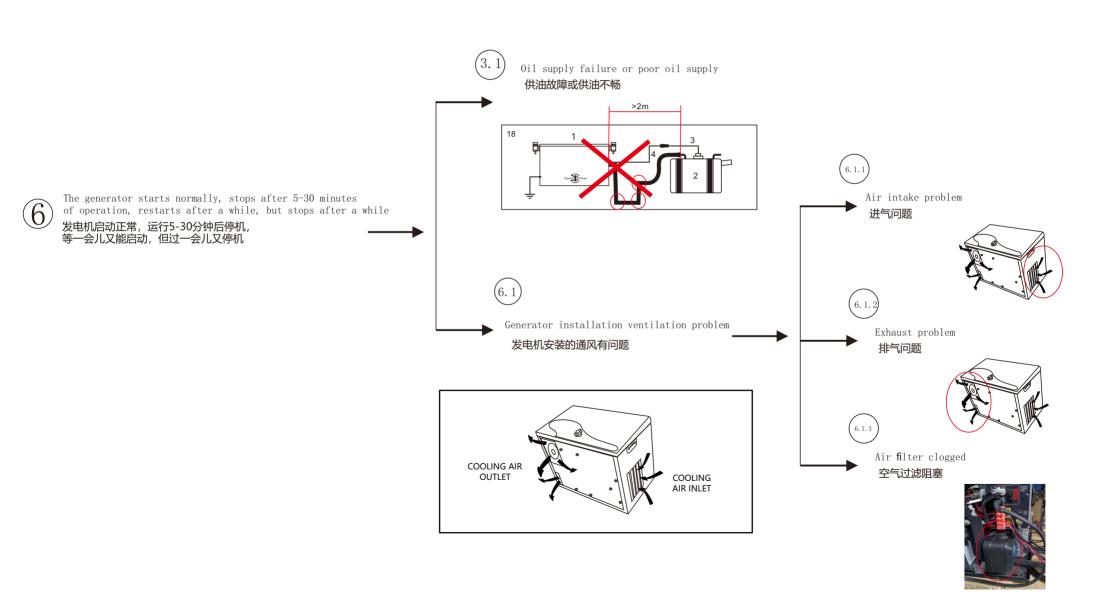








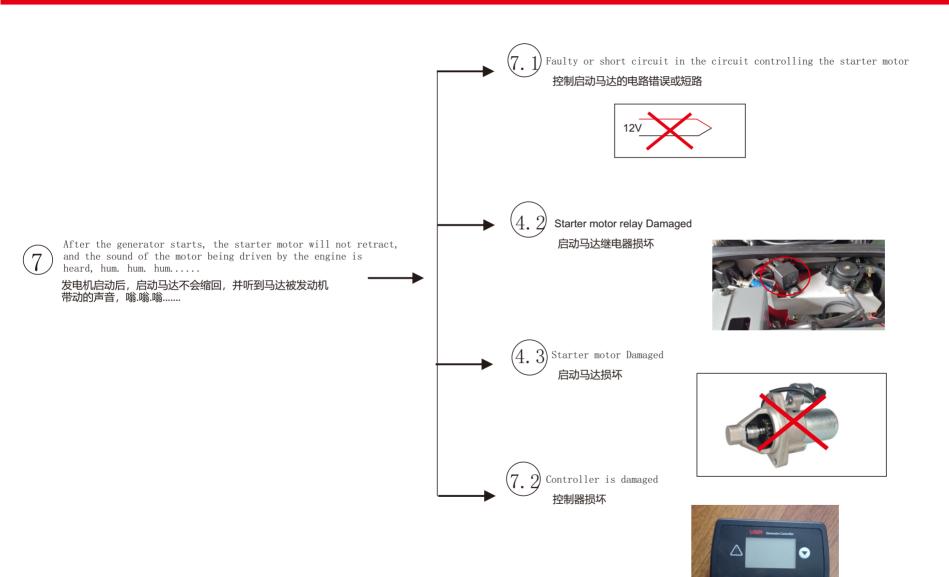
The generator starts normally, stops after 5-30 minutes of operation 发电机启动正常,运行5-30分钟后停机







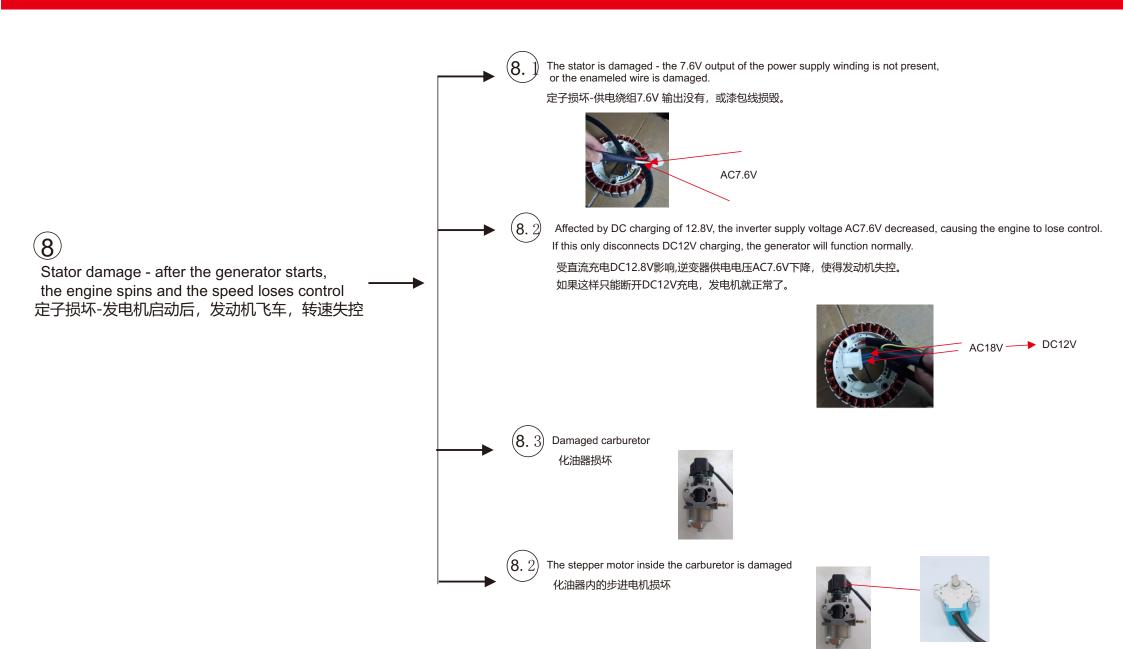
Starter motor does not retract after generator starts 发电机启动后,启动马达不会缩回





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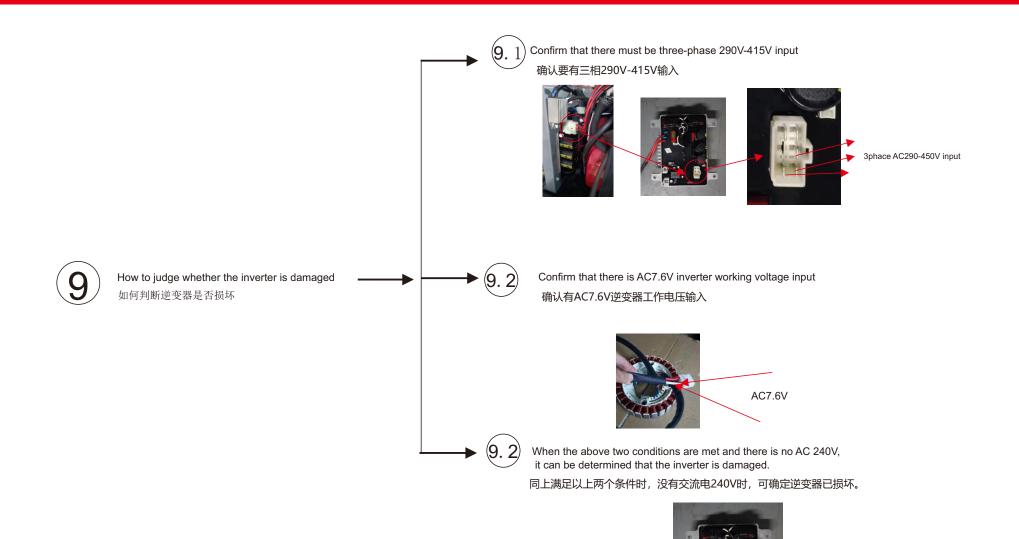
Stator damage - after the generator starts, the engine spins and the speed loses control 定子损坏-发电机启动后,发动机飞车,转速失控





How to judge whether the inverter is damaged

如何判断逆变器是否损坏



Single phase 240v Output



Because the document may not be complete and comprehensive in a hurry, if you find any errors, please raise them.

因为匆忙文件可能不是很完整和全面,如果大家发现还有错误问题请提出。

thank you all!