E-BOX 48100R-C

Replacement Instructions for B+ and B- Cord

1. Tools preparation

Electric screwdriver and Sleeve（8mm）

Positive cable and Negative cable

Insulating tape

Five zip ties

2. Production process

2.1 Use an electric screwdriver to unscrew the fourteen screws on the upper cover and open the cover.

Figure 1

Figure 2

Figure 3

Figure 4

2.2 Unscrew the left and right fixing screws and remove the crossbeam.

Figure 5

Figure 6

Figure 7

2.3 Disconnect the power cable.

Figure 8

2.4 Remove the sampling lines from the BMS board in the order of J3,J2,J1 and disconnect the inter board communication line- MCU.

Figure 9

Figure 10

2.5 Disconnect B- lead out line,remove the positive electrode insulation as shown in the Figure 12，unscrew the fixing screw with a socket as shown in the Figure 13,disconnect B+ lead and insulate it as shown in the Figure 14.

Figure 11

Figure 12

Figure 13

Figure 14

2.6 Remove the PC insulation sheet and loosen the 8 long fixing screws,loosen the nuts securing the positive/negative leads and serial bronze medal.

Figure 15

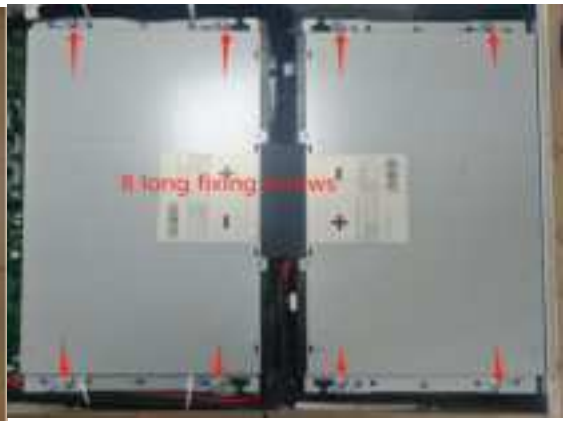

Figure 16

Figure 17

Figure 18

2.7 Stand the battery pack upright, loosen the screws on the battery pack PC insulation sheet of B+ and B- and remove them.Remove the old positive and negative cables.

Figure 19

Figure 20

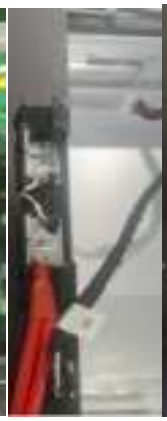

Figure 21

2.8 Connect the prepared new B+and B- cables to the battery pack, cover the PC insulation sheet and secure the screws.

Figure 22 Figure 23

2.9 Position the battery pack(positive rear,negative front),put the series bronze medal in the right position.

Figure 24 Figure 25

2.10 Tighten the nuts on the positive/negative leads and series bronze medal then add the PC insulation sheet.

Figure 26 Figure 27

2.11 Thread the B+ lead terminal through the middle hole of the bronze plate, fix it with screws shown in the Figure 28 and then wrap the metal part of the terminal with insulating tape shown in the Figure 29.

Figure 28 Figure 29

2.12 Insert B-lead cable, insert the inter board communication line- MCU and insert the sampling lines into the BMS board in the order of J1, J2,J3, finally reconnect the positive power cable.

Figure 30 Figure 31

2.13 Use zip ties to thread through the holes on both sides of the battery pack, secure the wiring harness, and insert 4 screws to fix the crossbeam.

Figure 32 Figure 33

2.14 Install the cover plate and tighten the 14 screws with an electric screwdriver.

Figure 34

Figure 35

Figure 36