



HCH-P7101-Retro Installation guide

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Equipment Supplied

- Qty 1 HCH-P7101-Retro charger PCB
- Qty 1 HCH-P7101-Retro charger power adaptor
- Qty 1 GTS label bottom label
- Qty 1 GTS label front label
- Qty 1 GTS label back label

Tools Required

- Qty 1 M/A-COM BML 161 78/20 or CH-104560-026 charger
- Qty 1 Security star screw driver (Tamper Resistant Torx size T10H)
- Qty 1 Phillips screwdriver

Notice

Always wear ESD (electrostatic discharge) protection during the assembly process.
Components are ESD sensitive!

Assembly Procedure

1. Turn over the charger and unscrew the six screws on the bottom (See picture 1 and 2).
Keep the screws aside for reuse.
Note: Use security star screw driver (Tamper Resistant Torx size T10H) to remove screws in picture 1
2. Pull out the cup/sleeve and leave aside and remove the charger top housing
(See pictures 3 and 4).
3. Unplug the LED connector from OEM PCB and leave the top housing aside.
(See pictures 5 and 6).



Picture 1



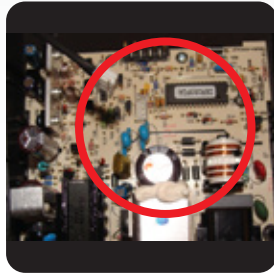
Picture 2



Picture 3



Picture 4

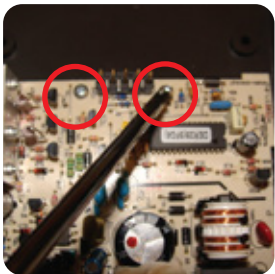


Picture 5



Picture 6

4. Unscrew the two screws on the PCB and the one on power adapter. (See pictures 7 and 8).
5. Remove the OEM PCB and place into the ESD bag. (See pictures 9 and 10).
6. If the charger is CH-104560-026, unscrew the four screws on the cup/sleeve PCB and remove/cut out R1 on the cup/sleeve PCB. Make sure the J1 jumper is at 2-3 position. See picture 11. Assemble the cup/sleeve PCB back to the cup/sleeve.



Picture 7



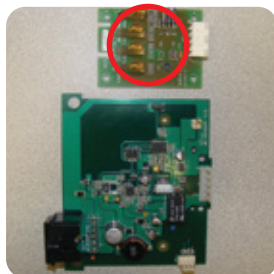
Picture 8



Picture 9



Picture 10



Picture 11

7. Install the HCH-P7101-Retro charger PCB on the bottom housing.
 - a. Snap the black connector into the connector hole carefully (Picture 12)
 - b. Fasten PCB screws back to Retro PCB. (Picture 13)
 - c. Fasten power adapter screw. (Picture 14)



Picture 12



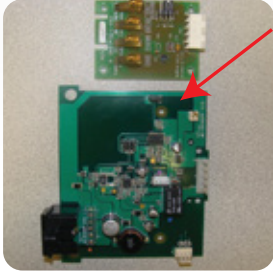
Picture 13



Picture 14

8. Connect LED connector
 - a. For M/A COM BML 161 78/20 charger housing - Plug the LED connector (attached to the charger top housing) to the HCH-P7101-Retro PCB J3 location
 - b. For M/A COM CH-104560-026 charger housing - plug the LED connector to HCH-P7101-Retro PCB J5 location.
9. HCH-P7101-Retro Jumper J6 Setting. (See picture 15)
 - a. For M/A COM BML 161 78/20 charger housing - Switch J6 to Position “3” on Retro PCB.
 - b. For M/A COM CH-104560-026 charger housing - Switch J6 to Position “1” on Retro PCB.
10. Assemble the top housing back to the bottom housing and battery cup back to top housing. (See picture 16).
11. Assemble the cup to the charger. (See picture 17)

Check to be certain the four contacts retract into the cup. Make sure the four contacts are aligned. If any of the four contacts don't retract or not aligned, loosen the four screws (see picture below) on the PCB (attached to the plastic cup) and do adjustment until the four contacts retract (move freely) and are aligned. Assemble the cup back to the charger (four screws need to be tightened up). (See picture 18)



Picture 15



Picture 16



Picture 17



Picture 18



Picture 19



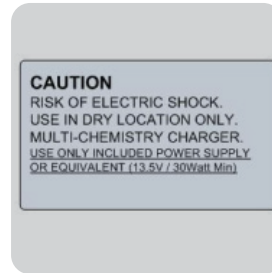
Picture 20



Picture 21



Picture 22



Picture 23

12. Apply GTS labels.

- a. Peel off the label on the charger and remove any residue. (See picture 19)
- b. Apply GTS front label (LED label) over the old label (See picture 20).
- c. Apply GTS bottom label over the old label on the charger. (See picture 21).
- d. Apply GTS back label and over label onto the old label on the charger. (See picture 22).



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