

BCD536HP Battery /LED replacement Procedure

1. Record unit's serial number.
2. Slide out the cover then open case.
3. Detach Front part from the body.
4. Remove Front PCB from the face plate.
5. Remove LCD
6. Replace 3 LEDs (D415, D416, D417 and D418)
OLD: QSMW-C12C > New: CITIZEN DA1605 CL-270S-WS-SD
7. Replace 2 Resistors: R443 and R444: 82 ohm to 330 ohm
8. Remove BT401 from front PCB.
9. Add 1/8W 820 ohm resister between "TCK" – "GND"
10. Put LCD back to the front PCB.
11. Attach Front part to the body. (Confirm no dust remaining on the LCD)
12. Add Hitachi Maxell CR2032 lithium battery.
Before attach the battery, remove (cut) connector from the wires.
!!!! Caution : (Do not short the wires when cut and strip the wires) !!!!
13. Re-assemble
14. Install test SD card if not card in the slot.
15. Update firm ware to latest version V1.08.07
16. Confirm PCB modification status in the special test mode.

Press [5] + [9] then power ON

Press [3] + [7] at radio is displaying the opening message.

Confirm PCB_VER_1 (If radio shows other numbers please check 820 ohm resister)

Note: VER = 0 original, no 820ohm resistor on PCB

VER = 2 New PCB for Super cap. (From new PD)

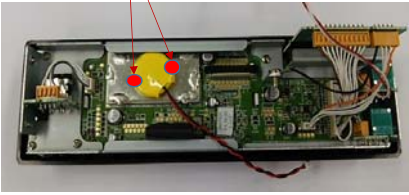
17. Confirm back light and no dust on the LCD.
18. Receive any signal and check audio from the speaker.
19. Turn OFF > ON
- 20 Confirm the radio will not ask to set the clock.
21. Turn OFF and remove test SD card if you used for the testing.

BCD536HP FRONT ASSY REWORK 案 1

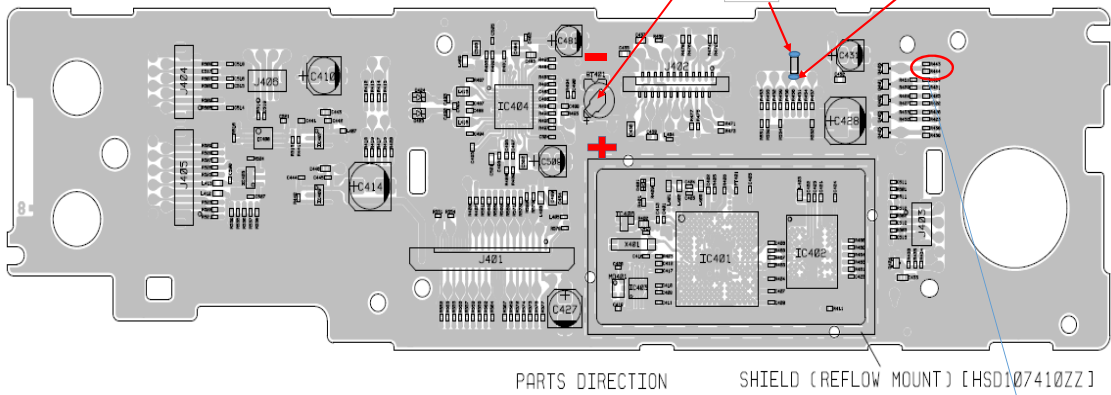
現状の基板 FRONT PCB:PH-346AA にてRTC問題およびLED問題の対応をする場合。

- 1.FRONT PCB BT401を取り外す。
 - 2.BT401を取り外したランドに新規BATTERY : CR2032を取り付ける。 ->UJEにてWire付きのBatteryを準備予定。
 - 3.LAND "TCK"-GND間 1k ohm追加。(SOFTにてBattery[に対し、Charge Stopするため。)
 - 4.LCD BACKLIGHT LED:D415・D416・D417・D418を取り外す。
 - 5.R443・R444を取り外す。(LED電流調整用抵抗)
 - 6.LCD BACKLIGHT LED:D415・D416・D417・D418にCITIZEN製DA-1605 CL-270S-WS-SDを実装する。
 - 7.R443およびR444に330ohm (1005) を実装する。
 - 6.本体のSOFTWAREを書き換える。
- 補足 : Unitは"LAND" "TCK"をプルダウンすることにより、強制的にBT401への充電を停止します。

CR2032の取付位置のイメージです。
Front基板上のSHIELD CASEの上に
Batteryを黄ボンドで固定してください。
B.B.SOUNDの防止用です。

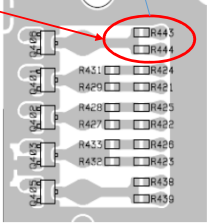
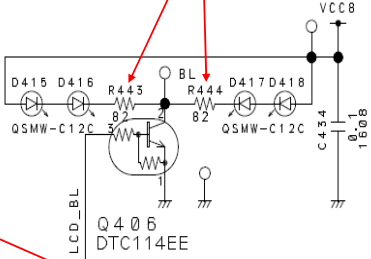


B401 FRONT PCB PH-346AA (BOTTOM VIEW)

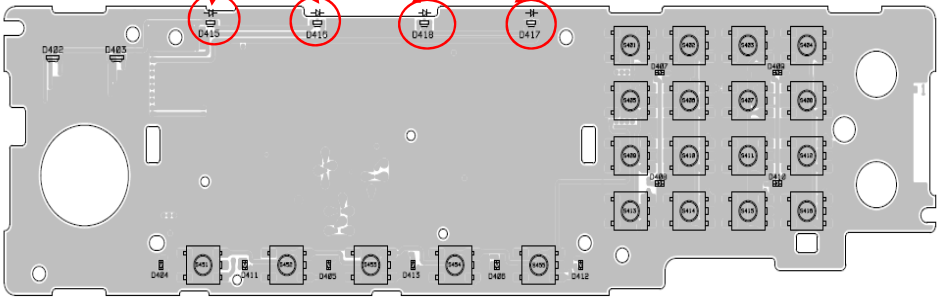


R443 and R444 Please change
from 82 to 330.

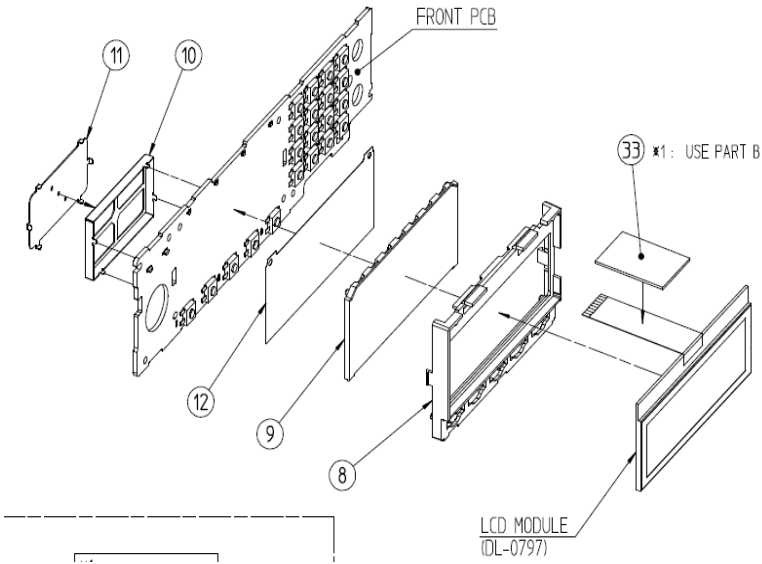
LCD BACKLIGHT :Please change from
"QSMW-C12C" to "CL-270S-WS-SD".



B401 FRONT PCB PH-346AA (TOP VIEW)



Front基板の組立図-1



Front基板の組立図-2