

Upgrading to Strata DK424 Release 4.15

This bulletin provides instructions for upgrading RCTU processor Printed Circuit Boards (PCB) containing Release 3.x, Release 4.0 or Release 4.1 software to Release 4.15 software.

Note Only Release 3 or 4 RCTU PCBs can be upgraded to Release 4.15.

1. Power down the system power supply before removing or installing the RCTU PCBs.
2. Use DKAdmin or DKBackup, version 4.1.1 or higher, to backup (download) the existing processor's current database. The latest version of DKAdmin or DKBackup is available on FYI under [Software/Strata Systems/Free](#).
3. Remove the appropriate RCTU PCB and change the ROMs or RMMS memory PCB as shown in Figure 1 through 6 on the following pages.
4. After changing the ROM or RMMS memory to R4.15 software, install the RCTU PCB and turn on the system power supply.
5. From the programming telephone, run Program 91-9 to initialize the processor.
6. From the programming telephone, set up the TTY port to enable DKAdmin or DKBackup to restore (upload or upgrade) the database that was downloaded in step 2 above.
7. Upgrading processors:
 - ♦ from a processor that had Release 3.x software – use the DKAdmin or DKBackup “Upgrade” procedure to upgrade the processor's database.
 - ♦ from a processor that had Release 4.0 or 4.1 software to a larger processor containing Release 4.15 software – use the DKAdmin or DKBackup “Upgrade” procedure to upgrade the new processor's database.
 - ♦ from a processor that had Release 4.0 or 4.1 software to the same processor containing Release 4.15 software – use the DKAdmin or DKBackup “Restore” procedure to upload the database to the processor.
8. Use the Release 4.15 bulletin posted on TSD's FYI site under Strata Systems/Bulletins/Strata DK Technical Bulletins for information and programming instructions on new Release 4.15 programs and features.

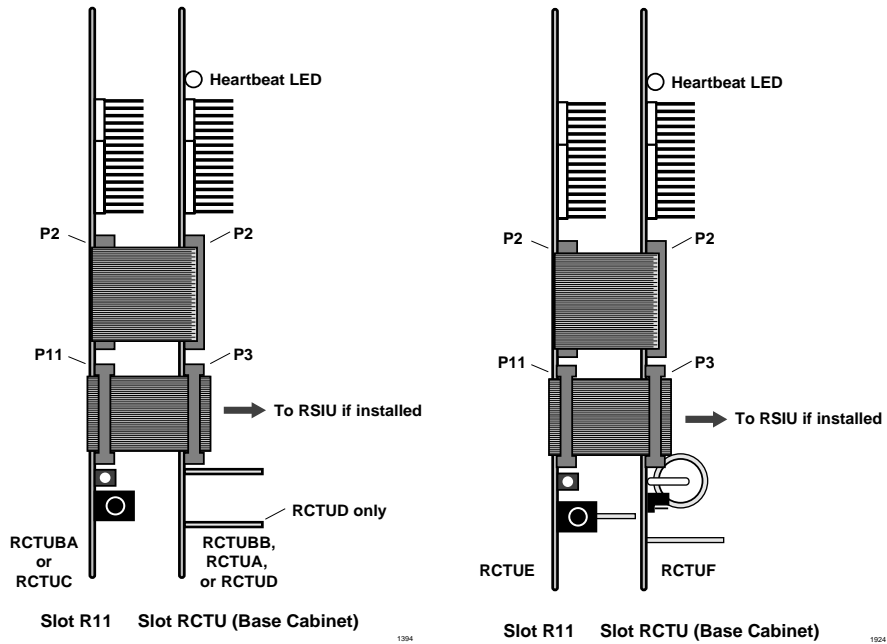


Figure 1 RCTU PCB Removal and Component Placement

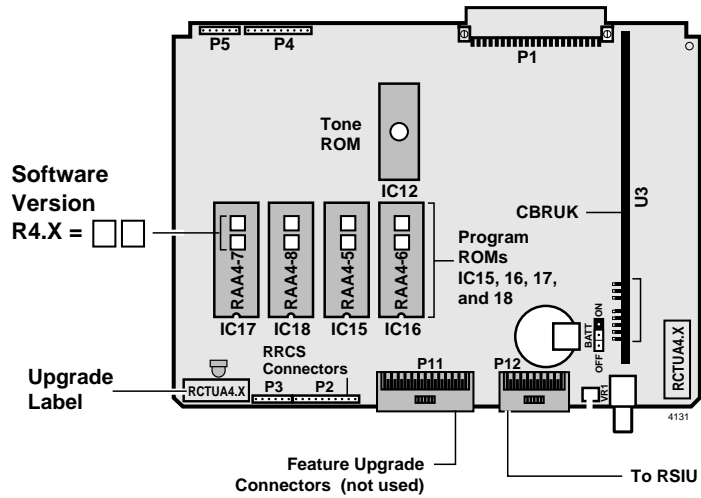


Figure 2 RCTUA4.X PCB

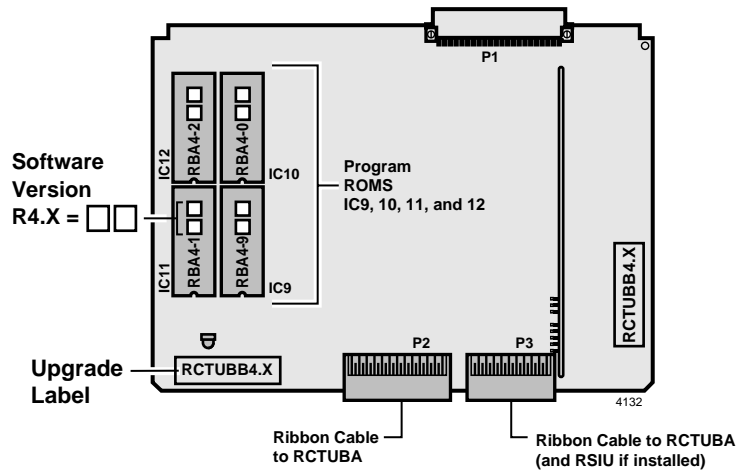


Figure 3 RCTUBB4.X PCB

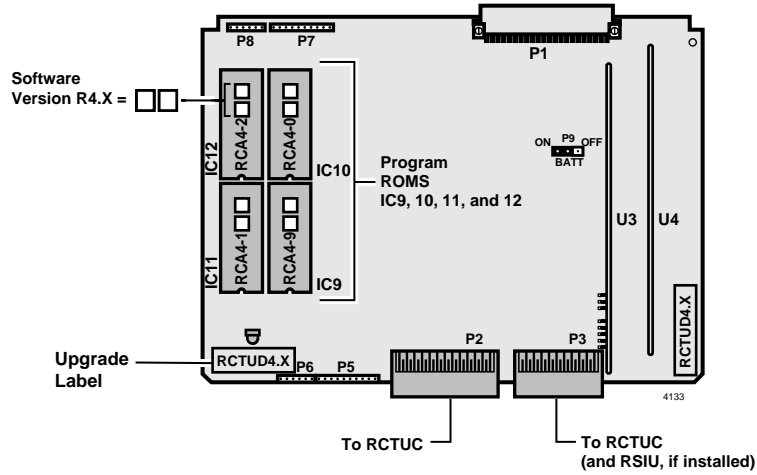


Figure 4 RCTUD4.X PCB

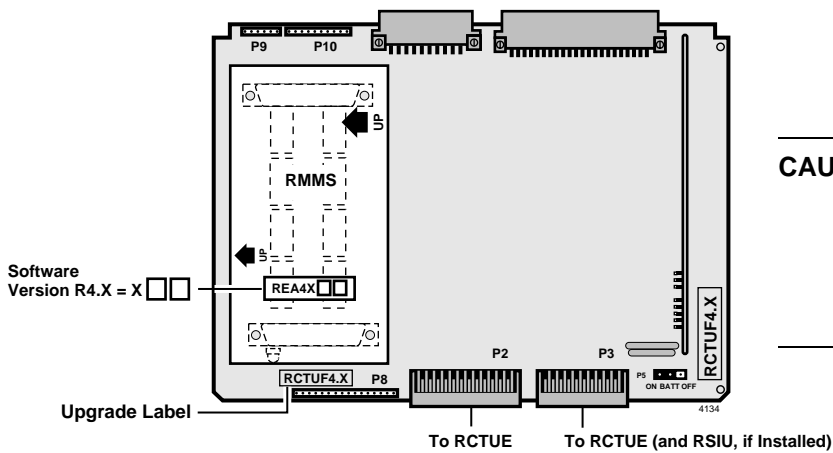


Figure 5 RCTUF4.X PCB

CAUTION! When removing the RMMS from RCTUF, take off the RMMS slowly, rocking back and forth in the direction of the arrows in the diagram.

9. Use a small screwdriver to carefully remove the four ROMs (see [Figure 6](#)) or use your fingers to gently remove the flash memory. Replace with the equivalent ROMs or flash memory in the upgrade kit. Peel the labels (two locations) off the card.

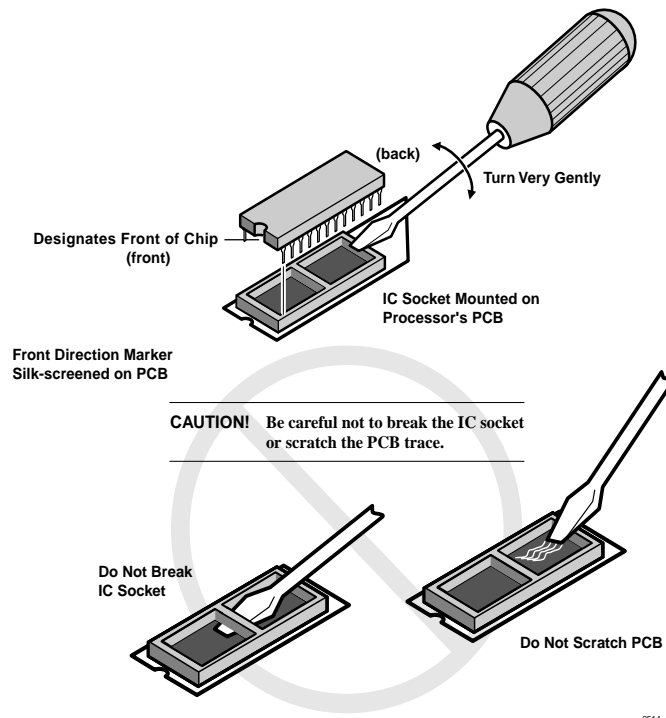


Figure 6 ROM Removal

10. Re-install the RRCS DTMF PCB, if required.

Note If there are battery straps on the PCB, make sure that they are placed in the “on” position for the processor card(s) to avoid losing your data.

11. Re-insert the processor card(s) and reconnect the ribbon cables and MOH connection if necessary. If a RSIU card is being added, shift the card positions accordingly, add the RSIU PCB in slot 11 and change the ribbon cable to connect the RCTU PCB(s) to the RSIU. Note any changes needed to accommodate the displaced card if necessary.

Important! *If this creates extensive changes, it may be better to upgrade without adding the RSIU, get the system working, and then adjust the card positions to add the RSIU card.*

New Program/Features added to the Strata DK424 Release 4.15 can be found in FYI, under Strata Systems/Bulletins/Strata DK Technical Bulletins.