

# Software upgrade kit instructions

## Models 4250G/M

For use with SBC board AH261003, fitted with software RD260814

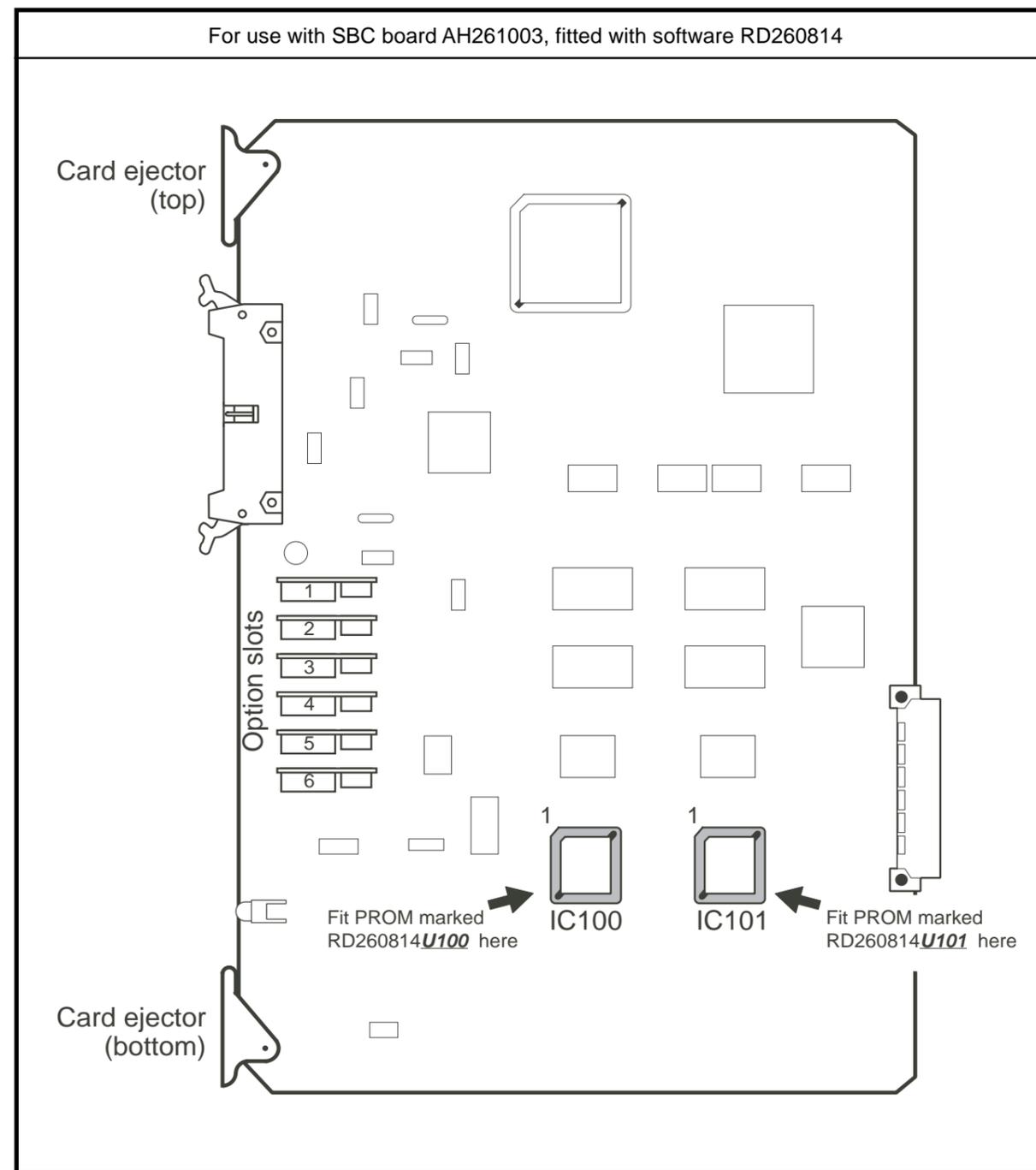


Figure 1 IC locations



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**CAUTION**

This upgrade involves the handling of components which are sensitive to static electrical discharge, particularly when not in circuit. All relevant personnel should be aware of static handling procedures.

Note: The recorder configuration will be retained during software upgrade, but the contents of the battery-backed RAM (e.g. totaliser values) will be lost.

1. Isolate the recorder from mains (line) power. Open the door and slide the printhead / cartridge to approximately the centre of its travel. Release the writing system by undoing the two captive screws arrowed in figure 2.
2. Pull the writing system forwards until it stops, then lift it out of the case (figures 3 and 4), releasing the various cable looms at the same time.
3. Remove the card retainer by removing the two securing screws (figure 4).
4. The Power Supply Unit (PSU) is situated at the extreme right hand end of the card rack. Remove the connector for the ribbon cable which is 'daisy-chained' to the I/O boards.

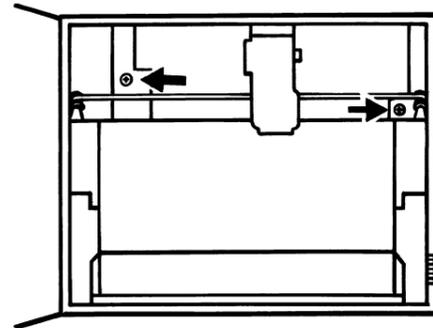


Figure 2 Writing system securing screws

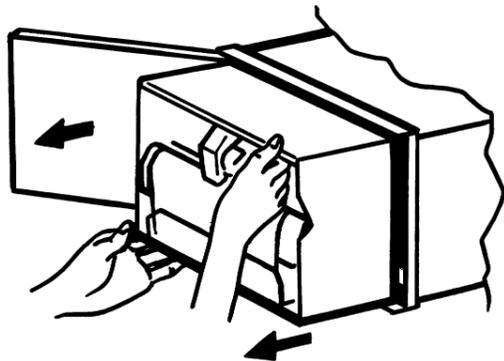


Figure 3 Pull writing system forwards out of case

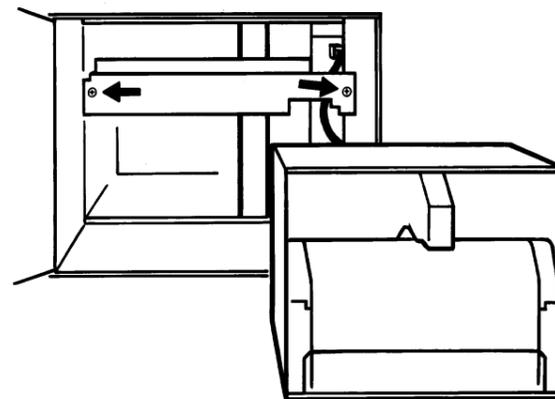


Figure 4 Remove card retainer

5. The Single Board Computer (SBC) is located next to the power supply unit. Disconnect the battery and PSU connectors. Using the card ejectors at top and bottom of the card, remove the SBC, and place it on a suitable static-safe surface.
6. Locate ICs 100 and 101 (figure 1) and remove them from their sockets using a suitable extractor tool (figure 6) and discard them.

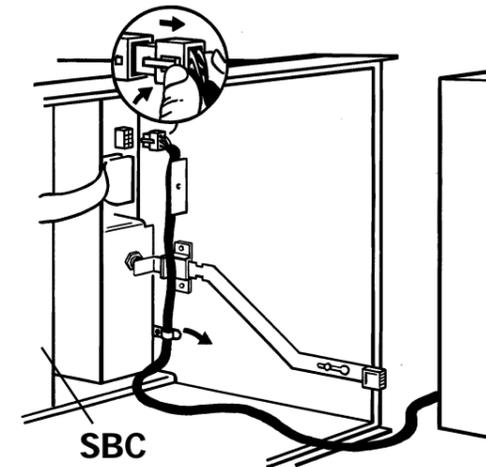


Figure 5 Disconnect writing system from PSU

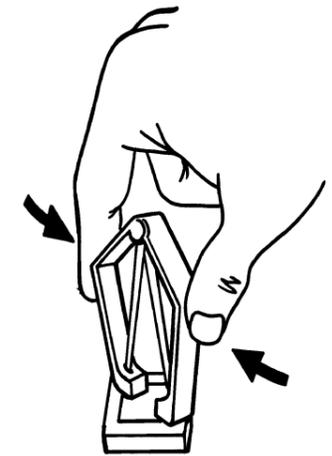


Figure 6 PROM removal

7. Fit the new ICs supplied with the kit: RD260814U100 to IC100 socket and RD260814U101 to IC101 socket.
8. If any new option keys are to be fitted, this can be carried out now.
9. Fit the SBC into the card rack and reconnect battery connector and the PSU cable. Reconnect the I/O board ribbon cable to the PSU. **ENSURE THAT ALL THE CONNECTORS ARE FULLY MATED AND THAT RIBBON CABLE CONNECTOR RETAINING LUGS ARE ENGAGED.**
10. Re-fit the card retainer.
11. Re fit the writing system, ensuring that all connections are re-made, and secure it using its retaining screws.
12. Apply power to the recorder and switch on. When the recorder has finished initialising, clear any error messages using the 'CLEAR' key.
13. Carry out an autoconfiguration and then reset the system clock as described in section 4 of the Installation and Operation Manual.