
Technical Bulletin

Metrodata DSU 2M PROM Change.

TB No	TB 7	Metrodata DSU 2M PROM Change
No of pages	2	For use by Service Engineers only.
July 1995	Part No	79-02-001A

USAGE!

This Bulletin is for the assistance of qualified Service Engineers, and the work described should not be attempted by End Users of the products.

WARNING !

The product contains static sensitive devices. Installation should be carried out at a properly equipped anti-static station by personnel wearing anti-static straps.

INTRODUCTION

This Bulletin describes the procedure for upgrading Metrodata DSU Firmware by changing PROMS. The PROMS contain executable software, MIB's and other tables and PGA contents loaded at Power-up time.

A PROM change can improve system performance by both hardware and software update. Note however, that some hardware is not contained in PGA and can therefore only be modified by returning the unit to the factory.

OPENING THE SHELF UNIT

- 1) Remove the 4 x M3 countersunk screws which attach the front panel to the top cover. Remove the 3 x M3 countersunk screws which attach the rear panel to the top cover.
- 2) Remove the 3 x M3 countersunk screws on each side of the DSU which hold the top cover on and the rack mounting ears in place. The rack mounting ears will now be free of the unit top
- 3) Lift the cover off the shelf unit. On some models it may be necessary to remove the front panel of the DSU by removing the 3xM3 screws which retain the front panel to the baseplate. Later models of LM1100 card are reduced in size so that this is not necessary. Visual inspection will reveal whether the card is easily removed without removing the front panel.

REMOVING THE LM1100 CARD

- 4) If the LM1100 card is fitted, this must now be removed. Unscrew the two M3 x 6 pan-head screws holding it in place. Prise apart the 36 x 2 way header, taking care not to damage the pins.



Technical Bulletin

LOCATING THE PROMS

The PROMS are located at the front right of the motherboard as viewed from the front of the DSU. Note the chip orientation before removing the PROMS for reference when inserting the replacement PROMS. Remove the PROMS with a large flat bladed screwdriver.

The PROMS are marked with ODD and EVEN on their labels. ODD and EVEN are correspondingly marked on the silk screen beneath the IC sockets. The ODD device is marked U13, and the EVEN device is marked U14.

Insert the replacement PROMS checking for correct orientation and location. Take care not to bend the IC legs in the insertion process.

RE-ASSEMBLY

9) Re-assemble the shelf unit by following steps 1-4 in reverse order i.e. carry out steps 4,3,2,1.as described above.

CONFIGURATION

The software will recognise the existence of a software upgrade automatically. The DSU Unit will COLD START, resetting to default values because some data may have changed owing to the upgrade process. The DSU may have to be reconfigured to operating requirements before it can be returned to service.