MODEL 510
IOC FIRMWARE ENHANCEMENT
KIT
INSTALLATION INSTRUCTIONS

Manual Order No. 121637-002 Rev. B

Additional copies of this manual or other Intel literature may be obtained from:

Literature Department
Intel Corporation
3065 Bowers Avenue
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INTRODUCTION

The Model 510 Kit, which consists of four preprogrammed PROM chips containing the I/O Controller (IOC) firmware, enhances the CRT display of the Intellec Series II Microcomputer Development System.

INSTALLATION

1. Turn off system power, disconnect power cord(s), and disconnect all cables connected to mainframe rear panel.

2. If low-profile diskette drive(s) are installed on top of mainframe chassis, remove the two aluminum ground strips between mainframe and first drive chassis. Remove drive(s) from top of mainframe.

3. Remove mainframe top cover. Refer to figure 1 and disconnect cables from connectors J14, J15, and J16 on top edge of IOC board. If mainframe includes an integral diskette drive, also disconnect cables from connectors J17 and J18.

4. If system includes a hard disk or a dual double density diskette drive(s), and controller boards are installed in mainframe cardcage, remove mainframe front panel and disconnect hooded connector from controller interface board.

5. Remove the four screws holding rear panel to mainframe. Pull rear panel assembly away from mainframe, withdrawing drive controller cable (if present) through opening along side of chassis.

6. Place rear panel assembly face down on a padded flat surface. Refer to figure 2 and remove the 11 screws attaching IOC card to rear panel. Lift IOC card free of rear panel.

7. Refer to figure 3 and remove the the four PROM chips from locations A50, A51, A52, and A53.

⚠ CAUTION

When handling the PROM chips, be extremely careful to avoid bending the dual in-line pins.

8. Install the four replacement PROM chips as follows:

PROM Part No.	Location
104593-001	A50
104593-002	A51
104593-003	A52
104593-004	A53

9. Reattach IOC board to rear panel using the 11 screws removed in step 6.

10. Position rear panel assembly against mainframe, while guiding drive controller cable (if present) through opening along side of chassis; make sure that no cables are pinched between IOC board and mainframe. Secure rear panel assembly to mainframe using the four screws removed in step 5.

11. Reattach hooded connector of drive controller cable (if present) to controller interface board and reinstall mainframe front panel.

12. Reconnect cables to connectors J14 through J18 on top edge of IOC board. Replace mainframe top cover.

13. Reinstall low-profile diskette drive (if present) on top of mainframe. Reconnect all cables removed in step 1.

14. Reconnect power cord(s) and turn on system power.

15. Execute firmware diagnostics as described in the *Intellec Series II Installation Manual*, Order No. 9800559.
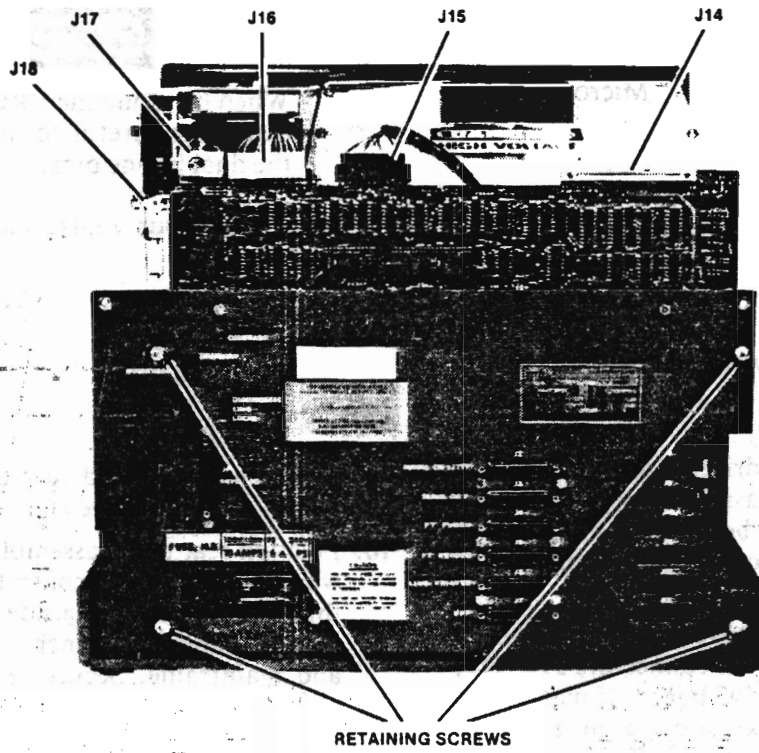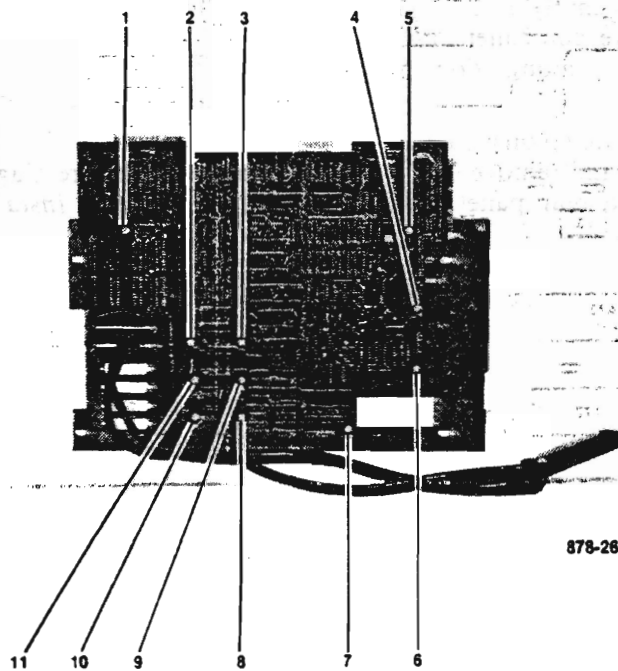
Figure 1. Intellec Series II Mainframe Rear Panel   878-27

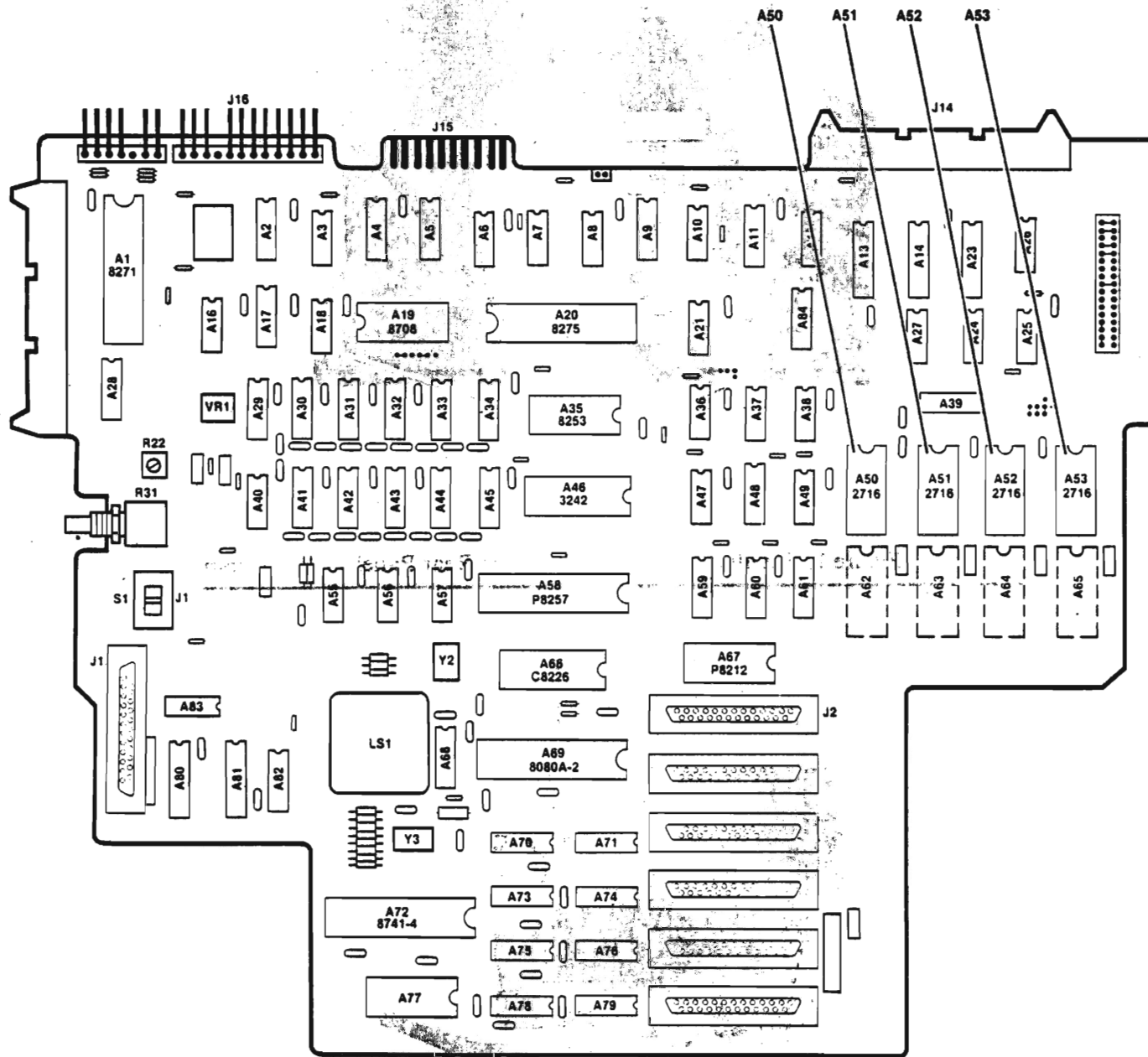Figure 2. Rear Panel/IOC Board Attaching Screws   878-26

Figure 3. IOC Board Component Location Diagram

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