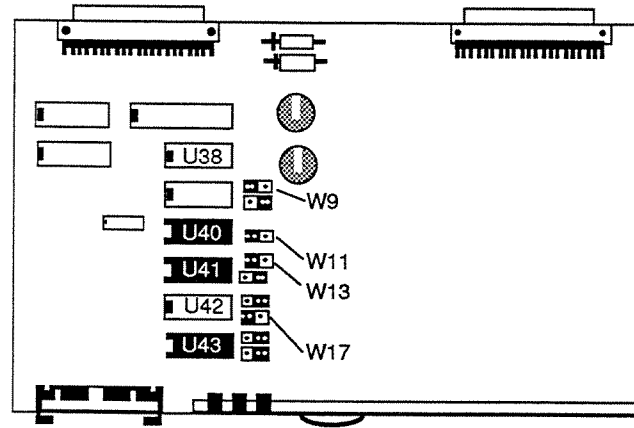


- If you have a Rev.1 Host card, verify that blue jumpers W9, W11, W13 and W17 cover the left and middle pins on the jumper blocks. Also verify that 32k X 8 RAM (marked D43256) is installed at U38. (See figure below.)



The 480L Host Card — Rev.1

- Reinstall the Host card. Be extremely careful not to apply seating force to the card until the connectors are properly aligned.
- Reconnect the nonvolatile memory cartridge cable.
- Install the card retainer and close the front panel.

Lexicon, Inc.
 100 Beaver Street
 Waltham Ma 02154
 Tel: (617) 736-0300
 Fax: (617) 891-0340

Lexicon Part # 070-09170

V 3.01 Software Update

480L

Installation Instructions

The Upgrade package includes:

- IC Extractor Tool
- IC U40 Host V 3.01
- IC U41 Host V 3.01
- IC U43 Host V3.01

WARNING

THESE SERVICE INSTRUCTIONS ARE FOR USE BY QUALIFIED PERSONNEL ONLY. DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THESE INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO. REFER TO SAFETY SUMMARY PRIOR TO PERFORMING ANY SERVICE.

lexicon

SAFETY SUMMARY

The following general safety precautions must be observed during all phases of operation, service and repair of this instrument. Failure to comply with these precautions, or with specific warnings elsewhere in these instructions violates safety standards of design manufacture and intended use of the instrument. Lexicon assumes no liability for the customer's failure to comply with these requirements.

GROUND THE INSTRUMENT

To minimize shock hazard the instrument chassis and cabinet must be connected to an electrical ground. The instrument is equipped with a three-conductor AC power cable. The power cable must either be plugged into an approved three-contact electrical outlet or used with a three-contact to two-contact adapter with the grounding wire (green) firmly connected to an electrical ground (safety ground) at the power outlet. The power jack and mating plug of the power cable meet International Electrotechnical Commission (IEC) safety standards.

DO NOT OPERATE IN AN EXPLOSIVE ATMOSPHERE

Do not operate the instrument in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.

KEEP AWAY FROM LIVE CIRCUITS

Operating personnel must not remove instrument covers. Component replacement and internal adjustments must be made by qualified maintenance personnel. Do not replace components with power cable connected. Under certain conditions, dangerous voltages may exist even with the power cable removed. To avoid injuries, always disconnect power and discharge circuits before touching them.

DO NOT SERVICE OR ADJUST ALONE

Do not attempt internal service or adjustment unless another person, capable of rendering first aid and resuscitation, is present.

DO NOT SUBSTITUTE PARTS OR MODIFY INSTRUMENT

Because of the danger of introducing additional hazards, do not install substitute parts or perform any unauthorized modification to the instrument.

DANGEROUS PROCEDURE WARNINGS

Warnings, such as the example below, precede potentially dangerous procedures throughout this manual. Instructions contained in the warnings must be followed.

WARNING

Dangerous voltages, capable of causing death, are present in this instrument. Use extreme caution when handling, testing and adjusting.

SAFETY SYMBOLS

General definitions of safety symbols used on equipment or in manuals.



Instruction manual symbol: the product will be marked with this symbol when it is necessary for the user to refer to the instruction manual in order to protect against damage to the instrument.



Indicates dangerous voltage. (Terminals fed from the interior by voltage exceeding 1000 volts must be so marked.)

WARNING

The WARNING sign denotes a hazard. It calls attention to a procedure, practice, condition or the like which, if not correctly performed or adhered to, could result in injury or death to personnel.

CAUTION

The CAUTION sign denotes a hazard. It calls attention to an operating procedure, practice, condition or the like which, if not correctly performed or adhered to, could result in damage to or destruction of part or all of the product.

NOTE:

The NOTE sign denotes important information. It calls attention to procedure, practice, condition or the like which is essential to highlight.

CAUTION

Electrostatic Discharge (ESD) Precautions

The following practices minimize possible damage to ICs resulting from electrostatic discharge or improper insertion.

- Keep parts in original containers until ready for use.
- Avoid having plastic, vinyl or styrofoam in the work area.
- Wear an anti-static wrist-strap.
- Discharge personal static before handling devices.
- Remove and insert boards with care.
- When removing boards, handle only by non-conductive surfaces and never touch open-edge connectors except at a static-free workstation.*
- Minimize handling of ICs.
- Handle each IC by its body.
- Do not slide ICs or boards over any surface.
- Insert ICs with the proper orientation, and watch for bent pins on ICs.
- Use anti-static containers for handling and transport.

*To make a plastic-laminated workbench anti-static, wash with a solution of Lux liquid detergent, and allow to dry without rinsing.

Installing the 480L V 3.01 Software Update

WARNING

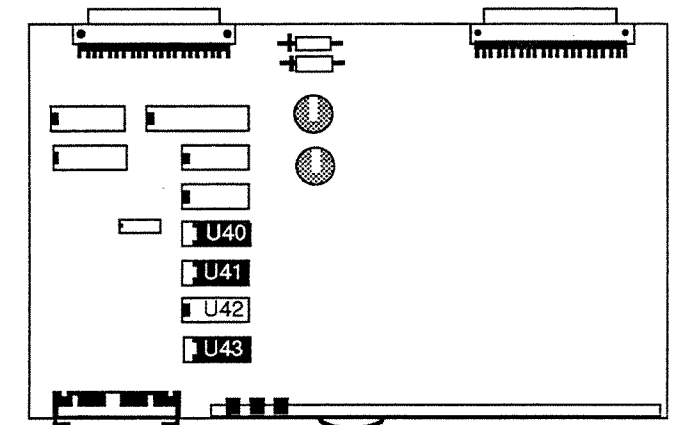
TURN OFF AND DISCONNECT ALL POWER TO THE UNIT PRIOR TO INSTALLING SOFTWARE.

To avoid problems, please follow these instructions carefully. Pay particular attention to the precautions listed in the safety summary and those which appear throughout these instructions.

Installation Procedure

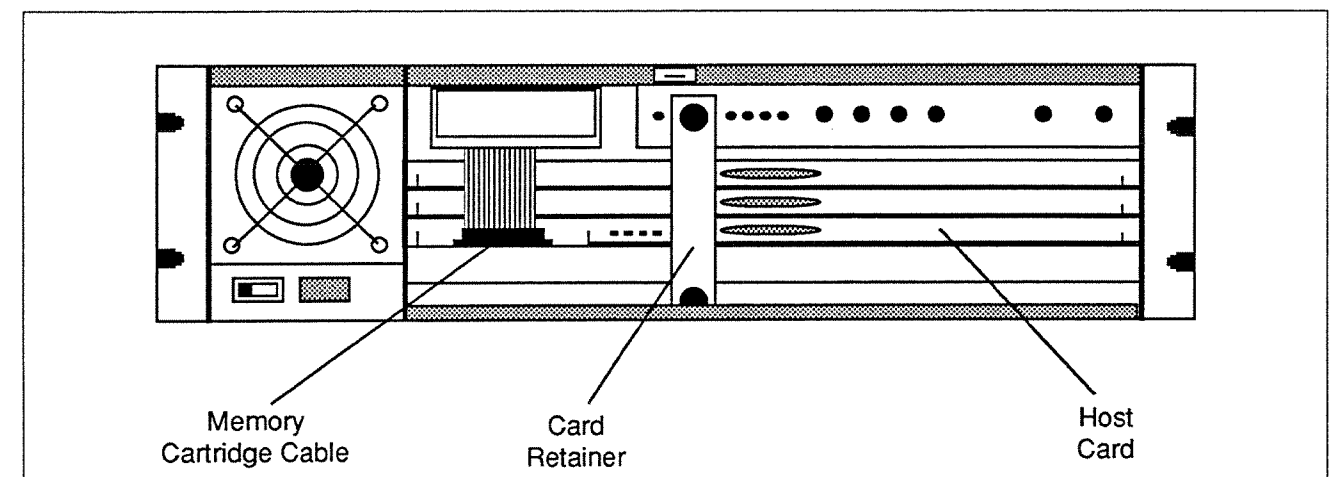
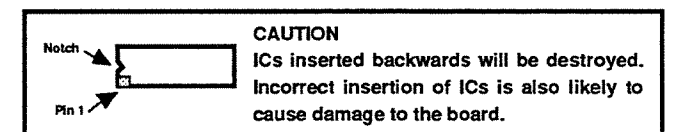
NOTE: This update assumes that you are currently running Version 3.00 software.

1. Turn 480L Power OFF.
2. Open the hinged front panel. The panel will lock in the open position.
3. Remove the card retainer.
4. Disconnect the memory cartridge cable from the left front edge of the Host card.
5. Carefully remove the Host card from the 480L mainframe. Hold the ribbon cable out of the way while extracting the Host card. Do not allow any components to catch or be damaged by the connector or cable.
6. Place the Host card on a nonstatic, nonconducting surface.
7. Using the supplied IC Extractor Tool, remove the following ICs from the Host card:
U40, U41 and U43 (U42 does not change.)
See figure at right.
8. Install the new Host ROMs (V3.01) at U40, U41 and U43.



The 480L Host Card — Rev.3 and higher

9. Check to make sure that all ICs are installed in the proper sockets. Make sure that all pins are correctly aligned and seated. If you have a Rev.3 or higher Host card, align the IC with the right side of the socket (as viewed in the figure above), leaving the first 4 pins empty.



Behind the 480L Front Panel