

## HOW TO INSTALL YOUR NEW 2100 SOFTWARE EPROM

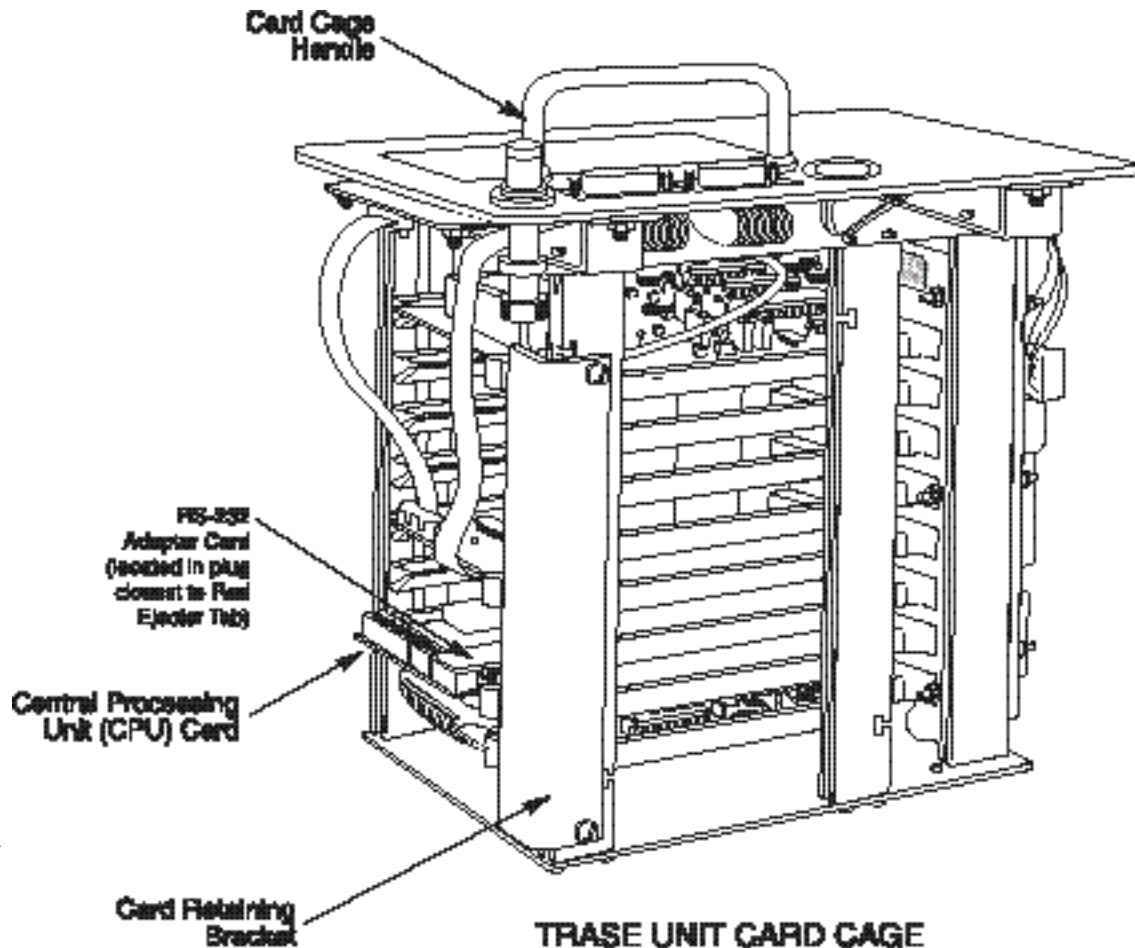


Fig. 1

### **Note: Before You Start!**

*Before installing your new 2100 software Eprom, be sure that you are using ESD (antistatic) protection. This should include an antistatic table mat and a grounding wrist strap. Improper antistatic protection may damage the Eprom.*

*Be sure that the power switch on your Trase unit is in the OFF position or remove the battery pack completely.*

### **Tools You Will Need**

In order to complete this installation, you will need a set of needlenose pliers, a small screwdriver, antistatic mat, and a grounding wrist strap.



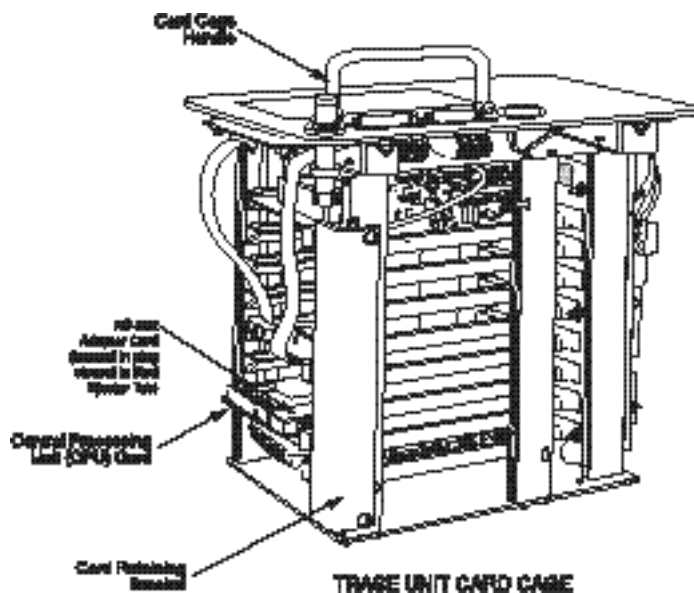


Fig. 2

## Removing the Old Software Eprom

### Step 1.

Set your Trase unit on a flat, antistatic surface. Remove the eight screws from the faceplate and set them aside. Grasp the card cage handle on the Trase faceplate and gently lift the card cage from the housing unit, rocking the card cage gently from side to side. The card cage is attached to the Trase housing with the power cable. Disconnect the power cable and set the Trase housing aside and place the card cage on the flat antistatic surface.

### Step 2.

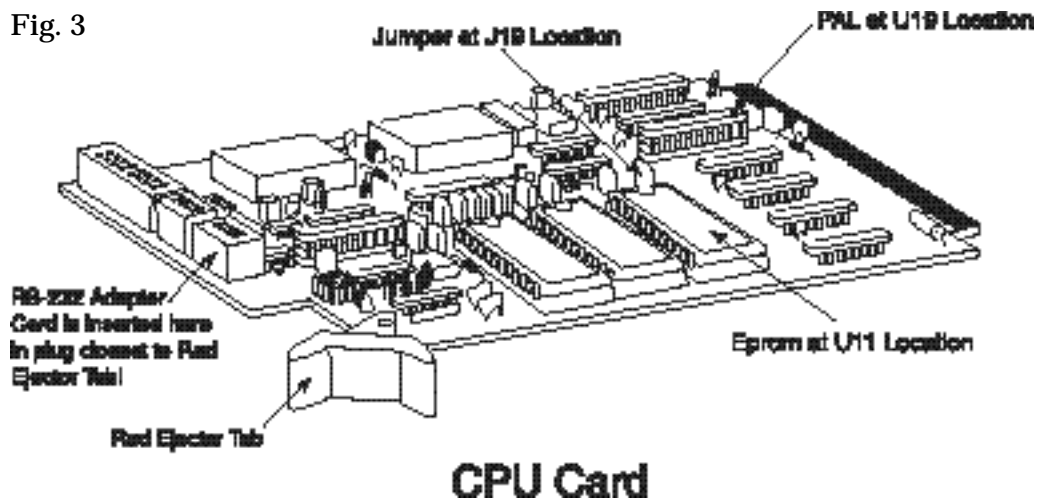
Turn the card cage so that the cards and their colored ejector tabs are facing you. Remove the Card Retaining Bracket (Fig. 2). Locate the CPU card (Fig. 2) - it has the RED Ejector Tab. Pull the red ejector tab to release the CPU card from the card cage. Slip the CPU card out approximately 1/2 inch and, using the small screwdriver, gently pry the RS-232 Adapter Card (Fig. 2) off the CPU card, noting its location (slot closest to the Red Ejector Tab) so that it can be reattached. Let the cable and Adapter Card dangle off to one side. Set the CPU card on the antistatic surface.

### Step 3.

Now locate the U11 position on your CPU card (Fig. 3). Using the small screwdriver, gently pry off the current Eprom. Place the old Eprom on the antistatic surface where it cannot be damaged.



Fig. 3



**Step 4.**

Next, locate the U19 position on the CPU card. With the screwdriver, pry off the old PAL (labelled LPM-SBC41 - U19 CS=6B8A). Set the old PAL aside.

**Step 5.**

Locate the jumper at the J19 location. Use the needlenose pliers, pull the jumper off pins 1 and 2. Set the jumper where you will find it easily, because you will need it again shortly. With these steps completed, you are ready to install your new software Eprom.

## **Installing the New Software Eprom**

**Step 6.**

Remove the new 2100 software Eprom from its protective packaging. With care, insert the new Eprom into the U11 socket on the CPU card. The Eprom has a small notch on one end. Be sure that the notch on the Eprom matches up with the corresponding notch on the PC board screening (yellow lines). Gently press down on the Eprom until it is properly seated.

**Step 7.**

Remove the new PAL from its protective packaging. Locate the U19 position. Gently press the new PAL into its location at U19. The PAL is also notched for proper insertion. Match the notch on the PAL with its corresponding notch on the PC board screening (yellow lines).

**Step 8.**

With the needlenose pliers, pick up the jumper you removed earlier. Locate the J19 position and slip the jumper onto pins 3 and 4.



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Step 9.

Slide the CPU card back into its proper location in the card cage. Reattach the RS-232 Adapter Card that you disconnected in an earlier step, making sure that it is centered in and properly seated in the slot **closest** to the RED ejector tab. Once the RS-232 Adapter Card is reattached, push the CPU card back firmly into the card cage. You will feel the card “snap” and the red ejector tab will return to its original position.

Step 10.

Reattach the Card Retaining Bracket. Grasping the handle on the Trase faceplate firmly, hold the card cage up to reconnect the Power cable. Then return the card cage to the Trase housing, by gently rocking the card cage into the housing unit. Locate the eight screws you set aside earlier and secure the card cage to the Trase housing, screwing down to standard hand tightness.

Step 11.

Turn on the power switch, or reattach the Trase battery pack if you disconnected it, and turn on the unit. Note: when installing any new software on your Trase unit, Trase must be cold booted to utilize the new software. To cold boot the system, with the power switched on, press the ON/ENTER and ERASE/STORAGE buttons simultaneously.

## **Verifying Proper Software Installation**

To verify the software Eprom was properly installed, scroll to the Setup Screen and look in the top right-hand corner of the screen. You should see the following software version: 6058C6-2100A.

If you see the proper software version on your screen, you are now ready to use your new 2100 software.

You should also verify that the RS-232 Adapter Card was properly inserted and communicating with the RS-232 bus using either your WinTrase software or another communication program.

Note: We suggest that you handle the old Eprom and PAL carefully in case you have need of them for any reason in the future. Store them properly in the antistatic packages that came with your new software and relabel the packaging.

Should you have any questions regarding installation of this software, please contact our technical sales department at any of the phone, fax or e-mail numbers listed below.

