Kluge Instructions - 1MB Memory Expansion - Revsion of 1/22/84

Components Required:

Qty	Item	E-mu P/N
	256K RAM	--
	74LS153	--
	74S74	yes
	2764 MBMEM vers	??
	MBMEM software	??
	kluge wire	??

Tools required:

Screwdrivers
Nut Driver for jack nuts
Soldering iron and solder
Cutters
Strippers for kluge wire
Xacto knife
IC removal tools
Glue gun with glue stick
Blank Rev 0 digital board for reference
Digital Memory Test Diskette
Standard Software Diskette

Step 1:

Power up unit and verify functionality before modification. If unit has problems, refer it to service or debug it yourself. BE SURE the unit functions properly before kluging, so as to isolate any problems produced by the kluge.

Step 2:

Remove Digital board from unit.

Step 3:

Remove memory board and standoffs from digital board.

Step 4:

Remove 32 memory chips. Remove IC 87 (74LS74). Make sure there is a socket for IC93; if not, install one. Remove IC42 (Main PROM).

Step 5:

Make the following CUTS:
        Bottom trace between IC79-13 and IC79-15
        Top trace between IC79-3 and IC20-3, cut near IC20
        Top trace between IC79-5 and IC39-3, cut near IC39
        Top trace between IC11-3 and IC10-6
        Top trace between IC11-2 and IC10-5