

Convert 5 MB to 10 MB -

1) ~~and~~ Controller Card -

cut thin trace ~~at~~ running between side of C14 and thick dual 5 + line

(trace on - 5 meq)
Trace cut 10 meq)

2) Change Z8 to 4K version # 8613 -
Install system # 341-0286

analog card

1) change resistor at R14 from 40.2 Ω
(5 meq) to 49.9 Ω (10 meq)

2) change resistor at R10 from 3.48 K Ω
(5 meq) to 4.02 K Ω (10 meq)

Format & Initialize spare table.

convert 5 meg to 10 meg

materials needed:

| | 5 meg | 10 meg |
|---------|------------------------------------|---------------------------------------|
| 1. r-36 | br,blk,br,gld 100 ohms | br,gr, br, gld 150 ohms |
| 2. r-40 | br,gr,rd,gld 1500 ohms | rd,yellow,rd,gld 2400 ohms |
| 3. r.37 | or,wt,br,blk,gld 390 ohms | yellow, purp, br, blk,gld 470 ohms |
| 4. r-41 | br,gr,rd,gld 1500 ohms | rd,yellow,rd,gold 2400 ohms |
| 5. r-10 | br,vio,gray,br 1781 ohms | yellow,blk,rd ,br 4021 ohms |
| 6 r-14 | yellow,gr,gr, blk,gld 45.5 ohms | yellow,wt,wt,blk,gld 49.9 ohm |

cut small trace on controller card between p-3 and u-41
install apple spec. st-412 seagate hard drive
format drive and initialize spares tables
install 10 meg system z-8
all resistors gold band 5%

resistor tables

| color band | value | multiplier |
|------------------------|-------|------------|
| black (bl) | 0 | 1 |
| brown or tan (br) | 1 | 10 |
| red (rd) | 2 | 100 |
| orange (or) | 3 | 1,000 |
| yellow (yl) | 4 | 10,000 |
| green (gr) | 5 | 100,000 |
| blue (bl) | 6 | 1,000,000 |
| violet or purple (pur) | 7 | |
| gray (gry) | 8 | |
| white (wt) | 9 | |

| | |
|--------|-------|
| silver | 10% |
| gold | 5% |
| black | 1% |
| red | .1% |
| orange | .01% |
| yellow | .001% |

locations of resistors

on analog card on row between component u-7(ca31273) and the ground pin at the board edge oppiset the j-6 plug

- r-36 the first component (1st resistor)
- r-40 the fifth component (4th resistor)
- r-37 the seventh component (6th resistor)
- r-41 the ninth component (7th resistor)

these component positions are counted from the board edge toward the transistor q-1

at the other end of that same row starting at component cr-15 and between component u-1(6700) and component u-2(747-n)

- r-14 the fourth component(4th resistor)
- r-10 the fifth component(5th resistor)

on reverse side of board make sure that there is the following

1. a jumper between pin one(1) and pin ten(10) of the u-2(747-n)
2. a jumper between pin four(4) and pin thirteen(13) of the u-2(747-n)
3. a 3900 ohm (or,wt,rd,gld) resistor between pin four(4) of the u-2 and the pin of the resistor above pin eight(8) of the u-3 component. this pin is located between pin eight (8) of the u-2 and pin eight (8) of the u-4
4. a 3900 ohm (or,wt,rd,gld) resistor between pin ten (10) of the u-2 and the pin above pin fourteen (14) of the u-2 . this pin can be identified also by a thick trace starting at this pin and going through the end pin of connector j-6 and ending at a trace at the edge of the board running at right angles.