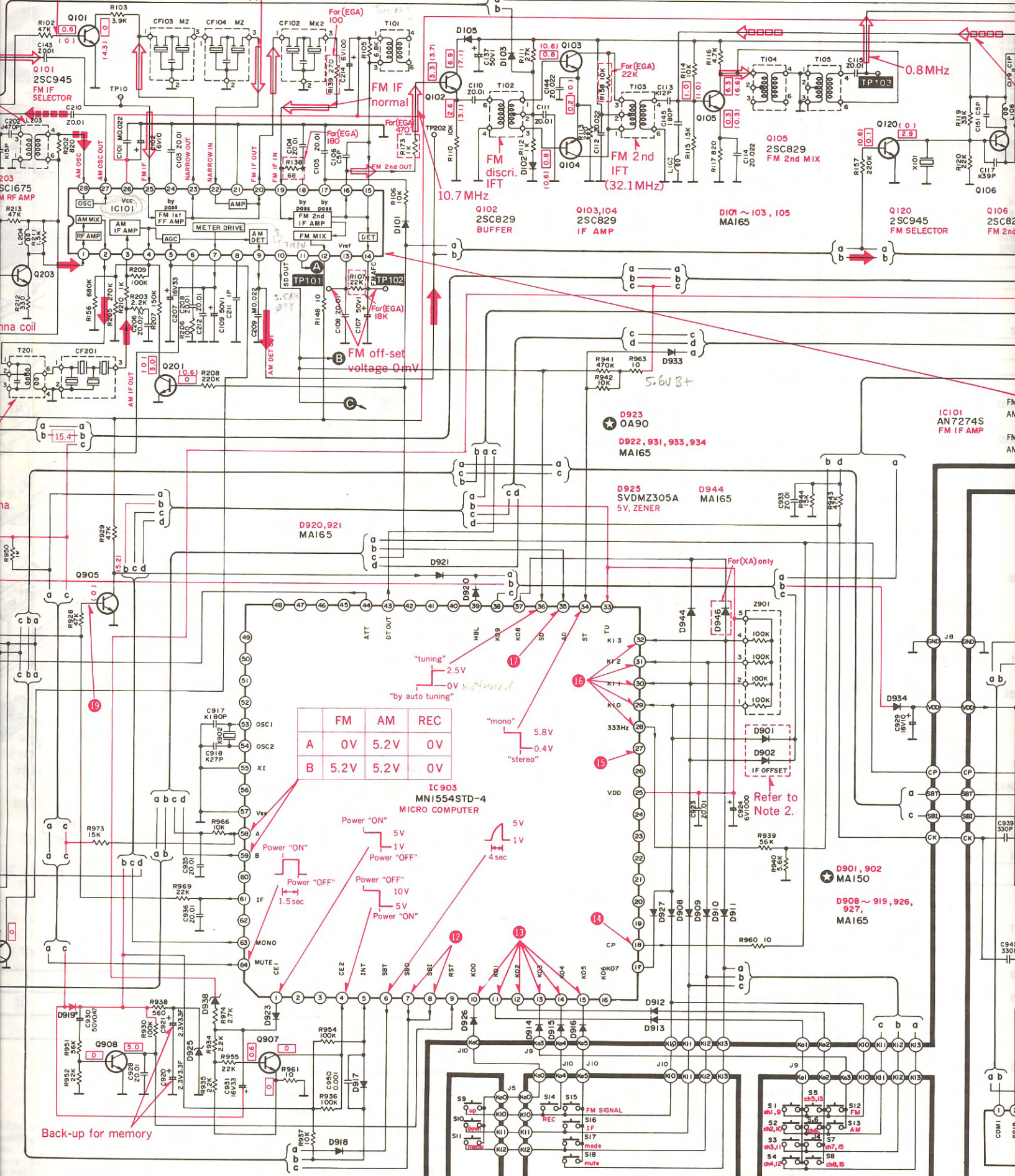


upper narrow 0V, normal 0.6V

FM IF supper narrow



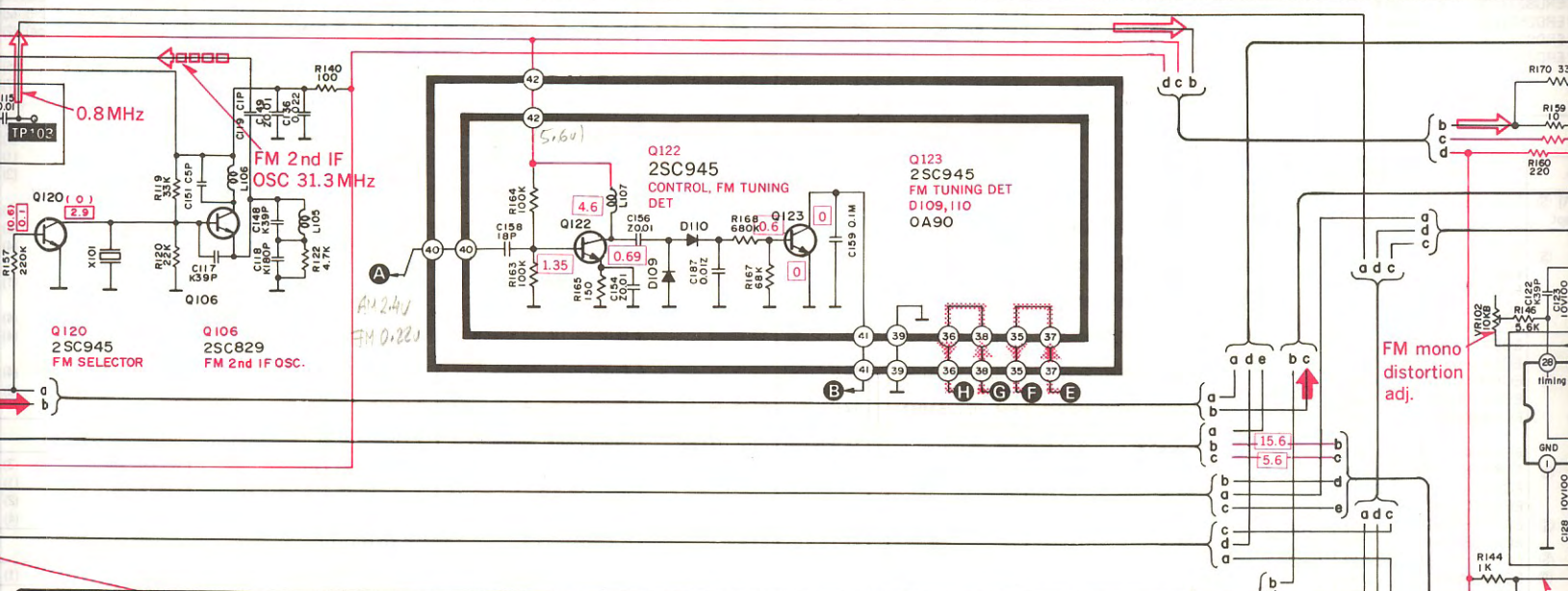
	FM	AM	REC
A	0V	5.2V	0V
B	5.2V	5.2V	0V

**IC 903  
MN1554STD-4  
MICRO COMPUTER**

Power "ON" 5V  
Power "OFF" 1V  
Power "OFF" 10V  
Power "ON" 5V

Power "OFF" 1.5 sec  
Power "ON" 4 sec

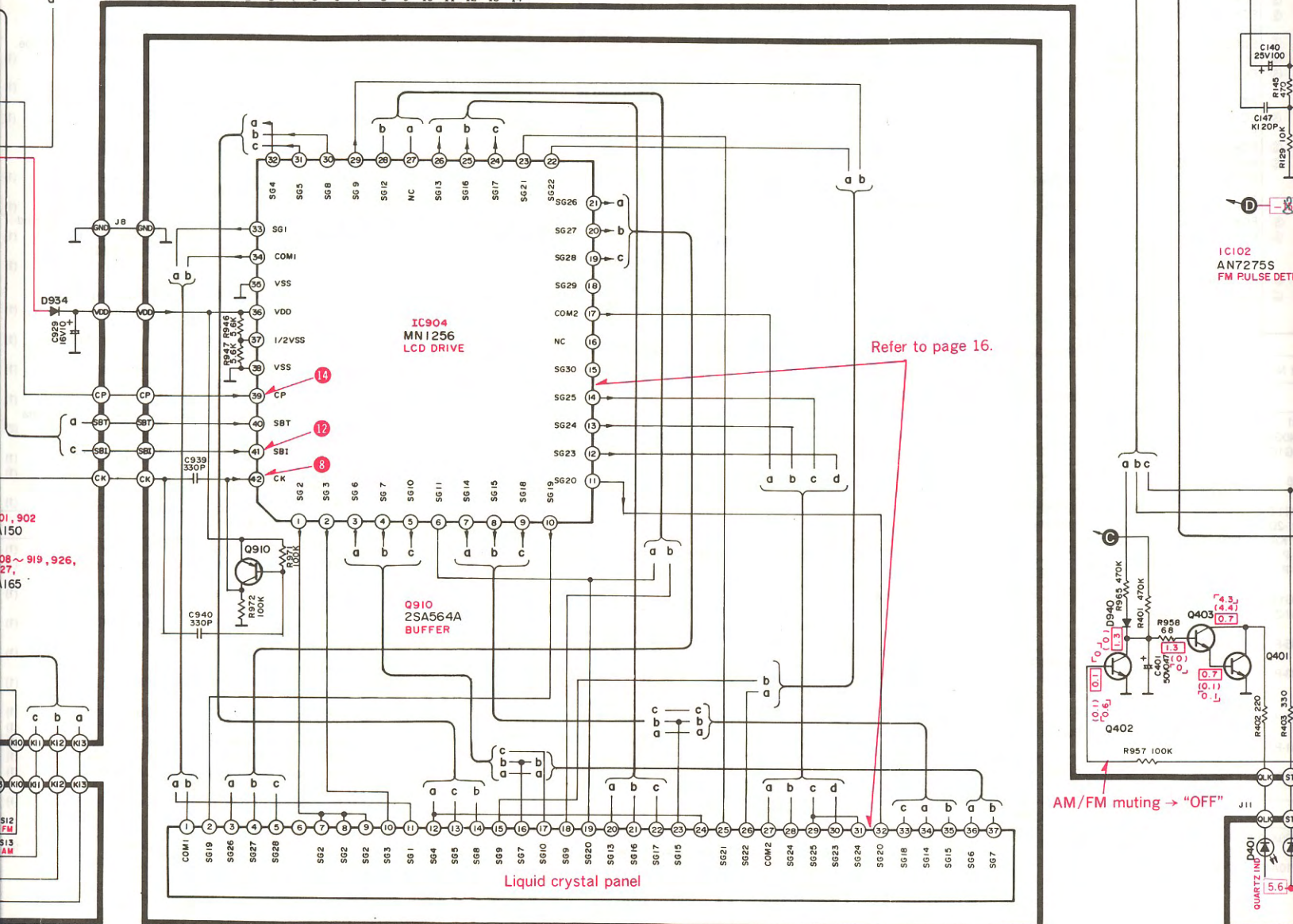
OSC1  
OSC2  
X1  
V<sub>cc</sub>  
IF  
MONO  
MUTE  
CEZ  
INT  
SBT  
SBO  
SBI  
RST  
K00  
K01  
K02  
K03  
K04  
K05  
K06  
K07



IC101  
AN7274S  
FM IF AMP

28	27	26	25	24	23	22	21	20	19	18	17	16	15	
FM	4.9	0	4.9	2.9	2.9	2.6	2.9	0	2.8	3.3	3.6	3.3	4.9	
AM	5.3	1.5	5.3	4.3	4.2	4.2	4.2	0	4.2	3.7	3.7	3.9	3.8	0.1
FM	4.9	4.9	2.9	2.9	0	2.5	0.1	3.2	3.1	0	2.0	4.9	2.5	2.7
AM	5.3	5.3	3.0	3.1	0.2	1.8	0.1	3.2	2.6	0	2.4	5.3	2.5	2.5
	1	2	3	4	5	6	7	8	9	10	11	12	13	14

Refer to page 16.



Liquid crystal panel

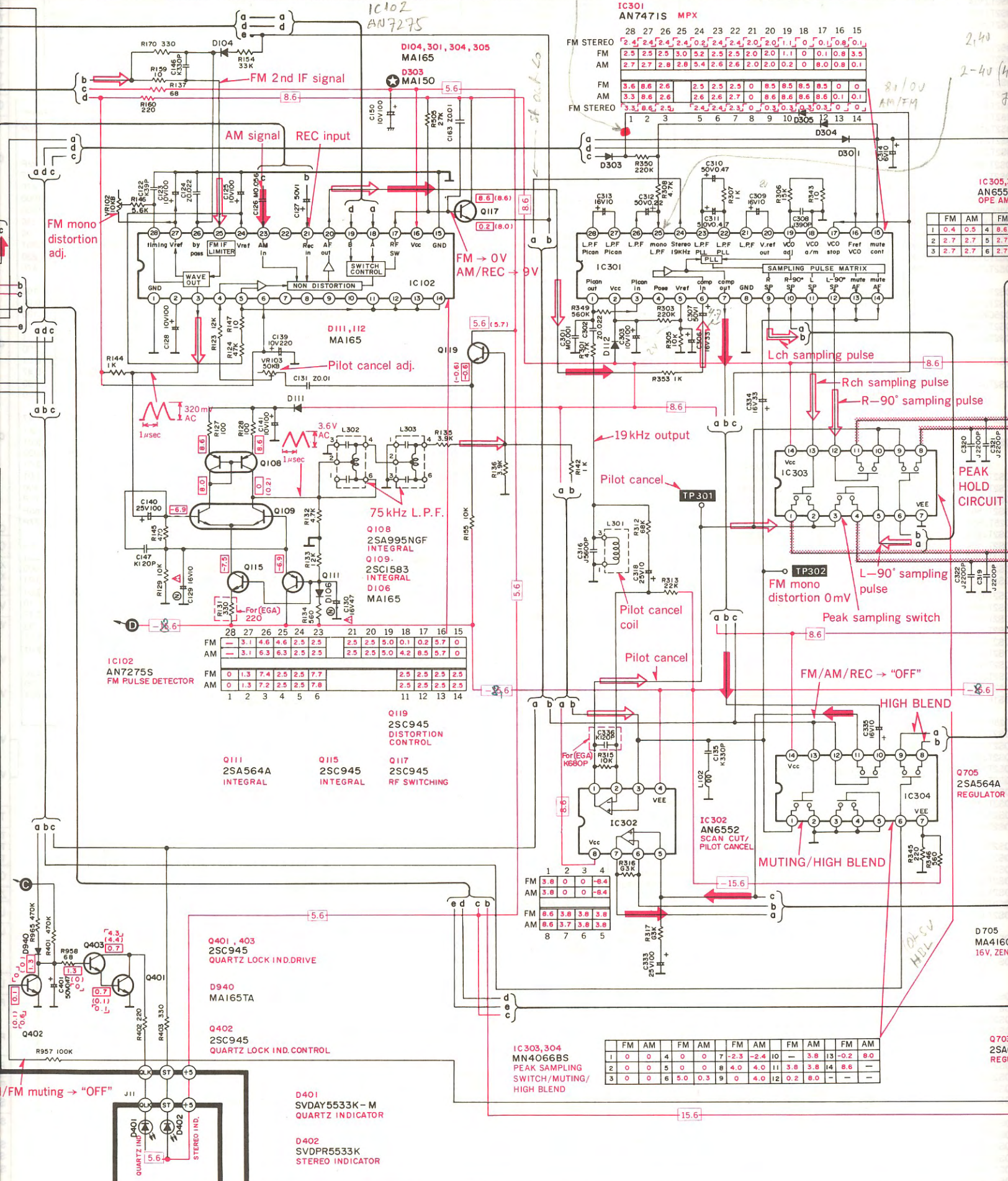
IC102  
AN7275S  
FM PULSE DETE

AM/FM muting -> "OFF"

*Kopplar till med +5V*

*IC102 AN7275*

*IC301 AN7471S MPX*



# SCHEMA

(This schematic c...  
time with the de...

\* The part No. of t...  
in the schematic...  
No. with \* ma...  
ferent from the...  
when placing an...  
the part No. in the

### Note 1:

1. S1 ~ S8 : Pres
2. S9 : Tun
3. S10 : Tun
4. S11 : Men
5. S12 : FM
6. S13 : AM
7. S14 : Rec
8. S15 : FM
9. S16 : FM
10. S17 : FM
11. S18 : FM
12. S20 : Pow
13. S21 : Vol

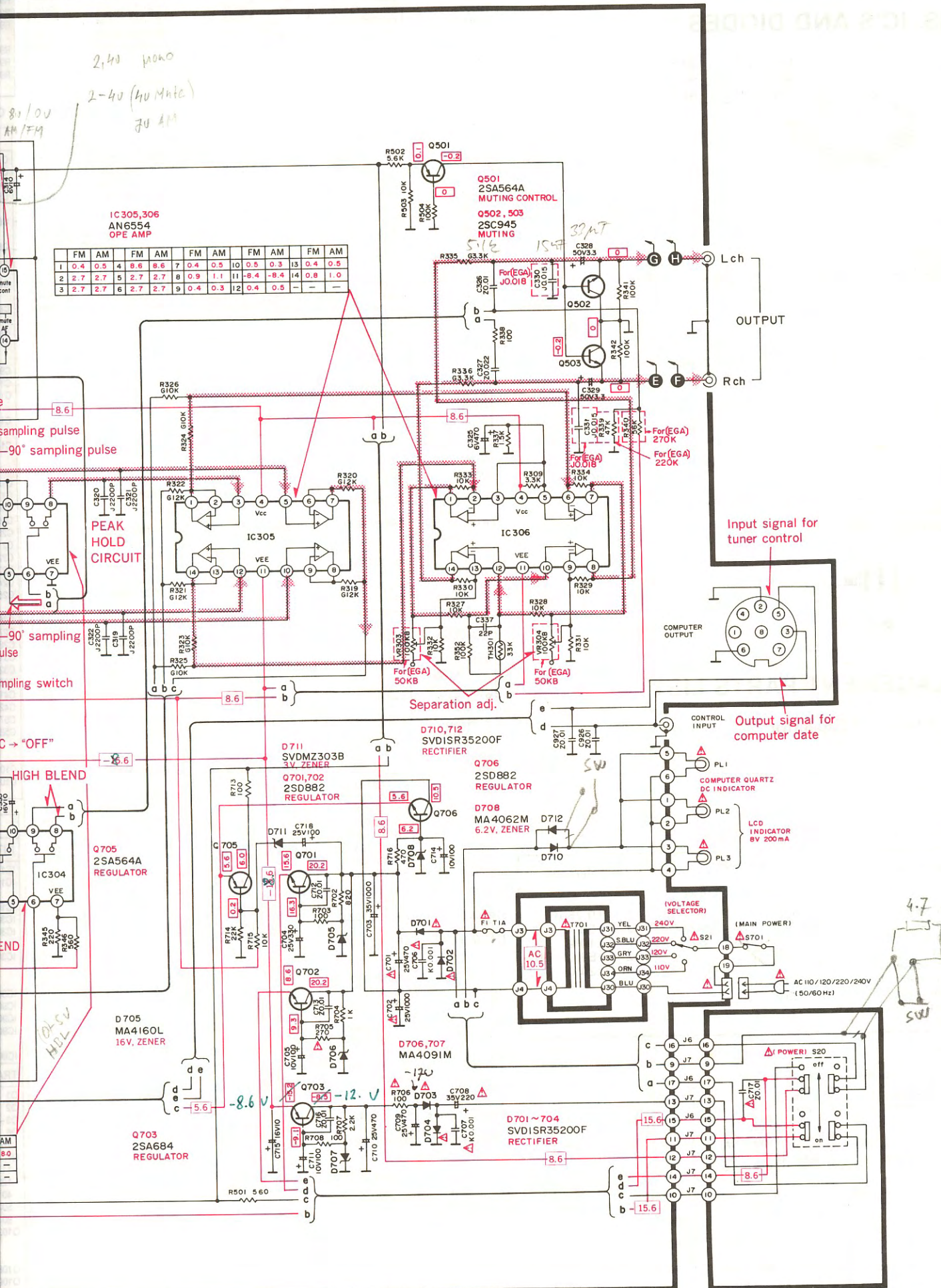
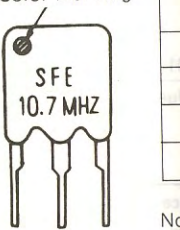
### Note 2:

14. S701 : Mai
15. Indicated volta...  
the unit measur...  
the unit measur...  
(high-impedanc...  
Therefore, ther...  
values, depend...  
DC circuit test...  
\* Figures in [ ]...  
signal (monaur...  
\* Figures in [ ]...  
stereo signal r...  
\* Figures in ( )...  
signal recepti...  
\* Figures in < >...  
super narrow
16. → FM sig...  
→ AM sig...  
→ AF sig...  
→ Positiv...
17. LCD INDICATOR...  
BY 200mA
18. Important safe...  
Components ic...  
characteristic...  
any of these...  
specified parts.
19. The waveform...

### Note 2:

- Use of ceramic...  
The ceramic filter...  
are available in fo...  
use the ceramics o...  
At repairing and r...  
diodes (D901, D9...  
used depending or

### Color marking



## SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with the development of new technology.)

\* The part No. of transistors, IC and diodes mentioned in the schematic diagram stand for production part No. with  $\star$  mark, the production part No. are different from the replacement part No. Therefore, when placing an order for replacement part please use the part No. in the replacement part list.

**Note 1:**

1. **S1 ~ S8** : Preset tuning switch.  
FM 1 ch ~ 8 ch, AM 9 ch ~ 16 ch.
2. **S9** : Tuning (up) switch. (manual  $\leftrightarrow$  auto)  
[up: tuning to higher frequency]
3. **S10** : Tuning (down) switch. (manual  $\leftrightarrow$  auto)  
[down: tuning to lower frequency]
4. **S11** : Memory switch. (manual  $\leftrightarrow$  auto)
5. **S12** : FM selector switch.
6. **S13** : AM selector switch.
7. **S14** : Recording level check switch.
8. **S15** : FM signal strength level call switch.
9. **S16** : FM IF band selector switch.  
(normal  $\leftrightarrow$  super narrow)
10. **S17** : FM mode switch. (auto  $\leftrightarrow$  mono)
11. **S18** : FM muting switch. (off  $\leftrightarrow$  scan level)
12. **S20** : Power switch in "on" position.
13. **S21** : Voltage selector switch in "220V" position.  
110V  $\leftrightarrow$  120V  $\leftrightarrow$  220V  $\leftrightarrow$  240V
14. **S701** : Main power switch in "on" position.

15. Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

\* Figures in  $\square$  stand for DC voltage in FM signal (monaural) reception mode.

\* Figures in  $\lrcorner$  stand for DC voltage in FM stereo signal reception mode.

\* Figures in ( ) stand for DC voltage in AM signal reception mode.

\* Figures in  $\langle \rangle$  stand for DC voltage in FM-IF super narrow condition mode.

16.  $\rightarrow$  FM signal  $\square$  FM OSC  
 $\rightarrow$  AM signal  $\lrcorner$  AM OSC  
 $\rightarrow$  AF signal lines
17.  $\rightarrow$  Positive voltage lines and negative voltage lines.
18. Important safety notice:  
Components identified by  $\triangle$  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
19. The waveforms ① ~ ⑱: Refer to page 17.

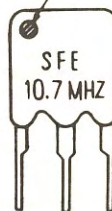
**Note 2:**

● Use of ceramic filters in pairs

The ceramic filters (CF101 ~ CF104) for FM-IF circuit are available in four ranks. For this machine, be sure to use the ceramics of the same rank in a pair.

At repairing and replacement, pay close attention to the diodes (D901, D902) for use as different diodes must be used depending on each rank of the ceramic filters.

Color marking



RANK (Color)	D901	D902	CENTER FREQUENCY
Black	×	○	10.65 MHz
Red	×	×	10.70 MHz
Blue	○	×	10.67 MHz
Orange	○	○	10.73 MHz

Note: ○ Mark Diode is used,  
× Mark Diode is not used.

