

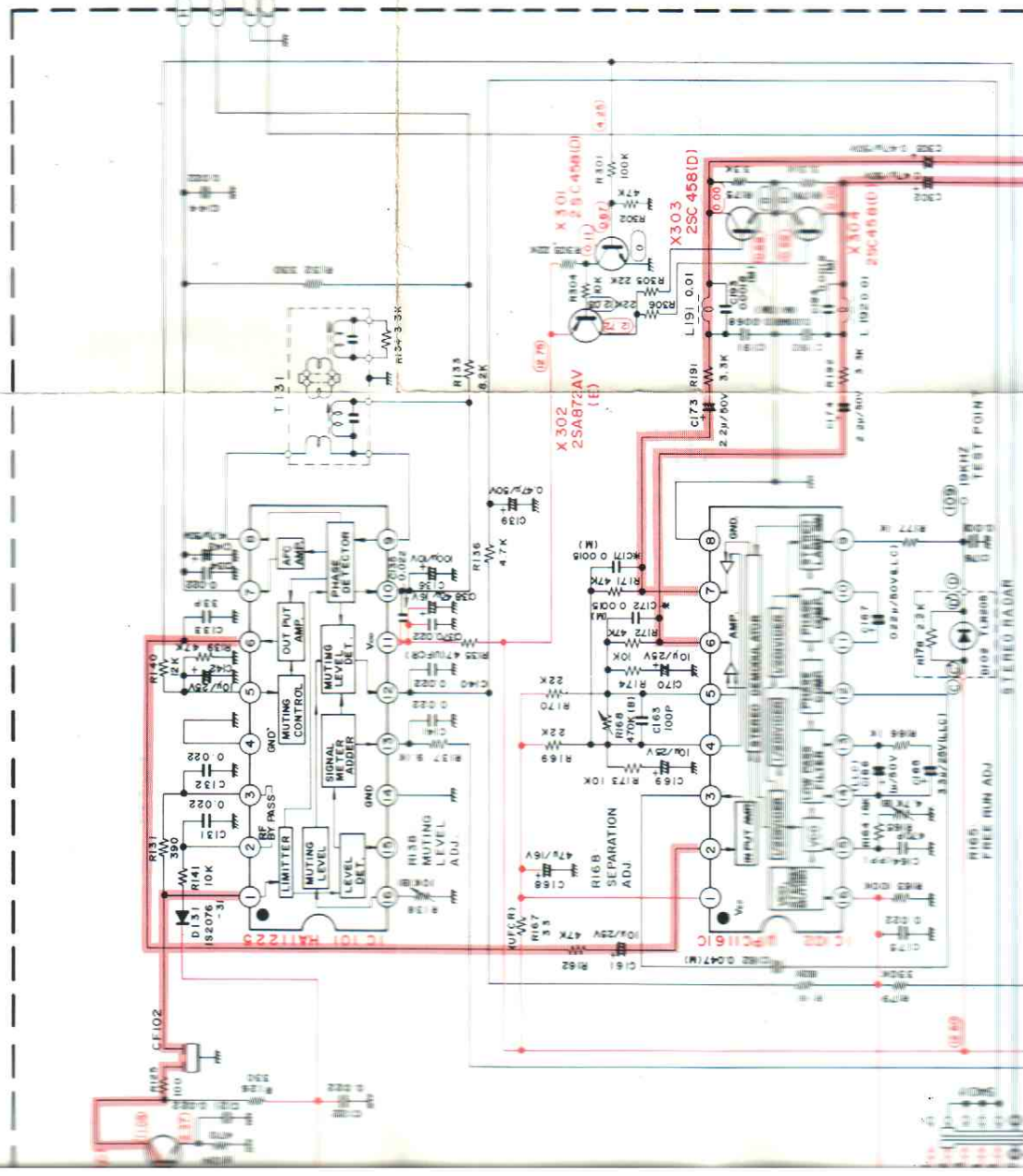
C

D

E

F

PH NO.	10	11	12	13	14	15	16
0.87	0.67	0.56	0.46	0.00	0	5.00	3.57
0	12.50	2.26	2.24	2.26	3.42	3.42	1.98
0.85	1.07	0	1.62	1.52	0.69	1.47	0.00



NOTE 5

TFC-27 COMES IN TWO VERSIONS DISTINGUISHED AS FOLLOWS:

USING MODEL	TFC-27C	TFC-27D
R-S5	R-S5	R-S5
JAGUP	JAGUP	E.A.

FM DE-EMPHASIS	TFC-27C	TFC-27D
C171	0.0045(M)	0.001(M)
C172	0.0045(M)	0.001(M)

DEEMPHASIS	TFC-27C	TFC-27D
	7.5 USEC	150 USEC

AM C-FILTER	TFC-27C	TFC-27D
CF201	E03613	E03613
	016	016
CF202	OPEN	OPEN

A

B

C

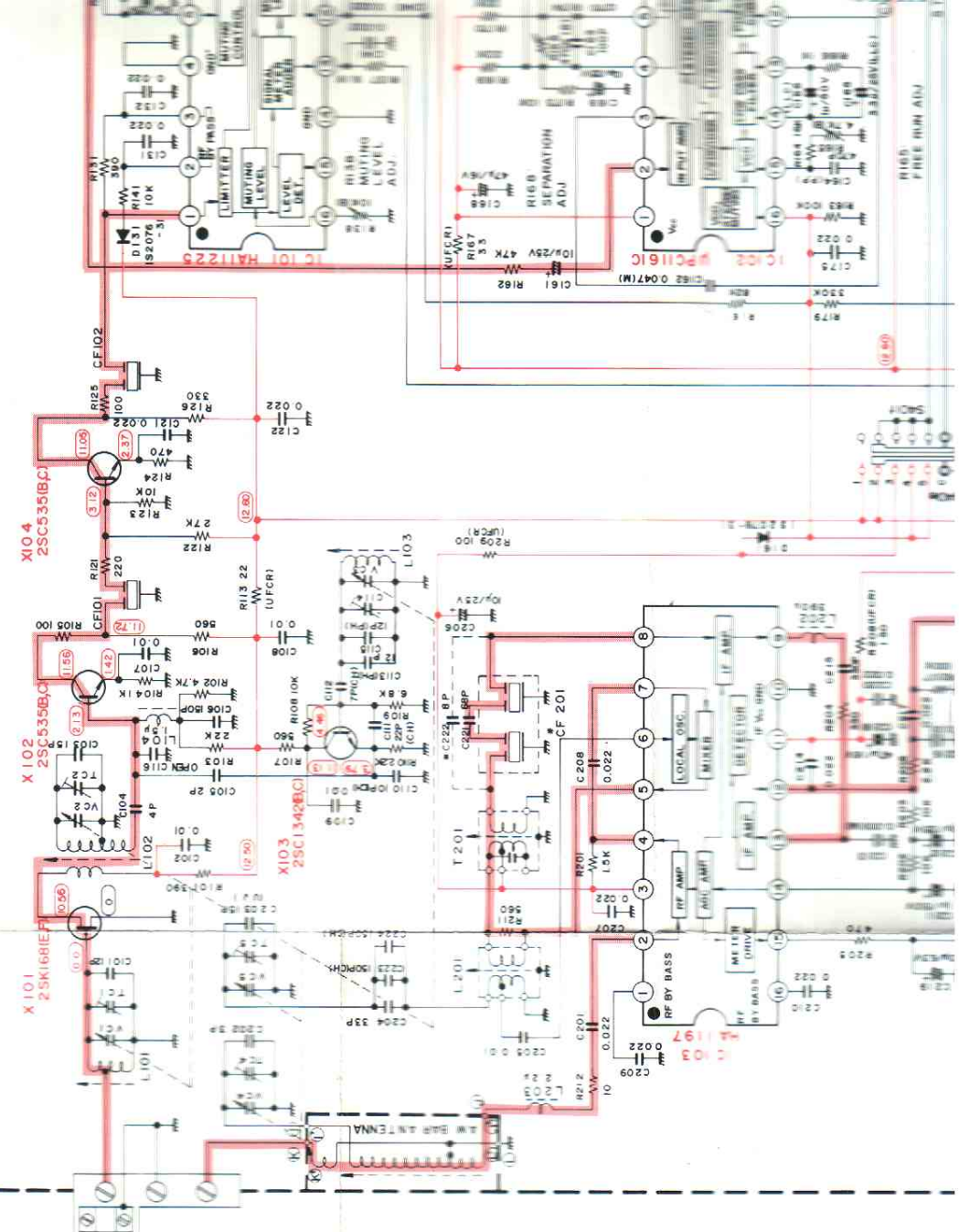
VOLTAGES

THESE VOLTAGES ARE MEASURED WITH D.C.V.T.M. AT NONSIGNAL INPUT.

TUNER IC VOLTAGE

IC NO.	IC NAME	SELECTOR POSITION															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IC101	HAI1225	1.97	1.97	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IC102	IPC161C	12.13	2.24	5.80	9.97	9.98	5.25	0	12.50	2.26	2.24	2.26	2.26	2.26	3.42	1.99	
IC103	HAI197	5.10	2.18	2.05	9.70	12.05	3.68	1.31	2.85	18.07	0	11.62	1.52	0.69	1.47	0.00	

TFC-27



1

2

(E-6)

(E-6)

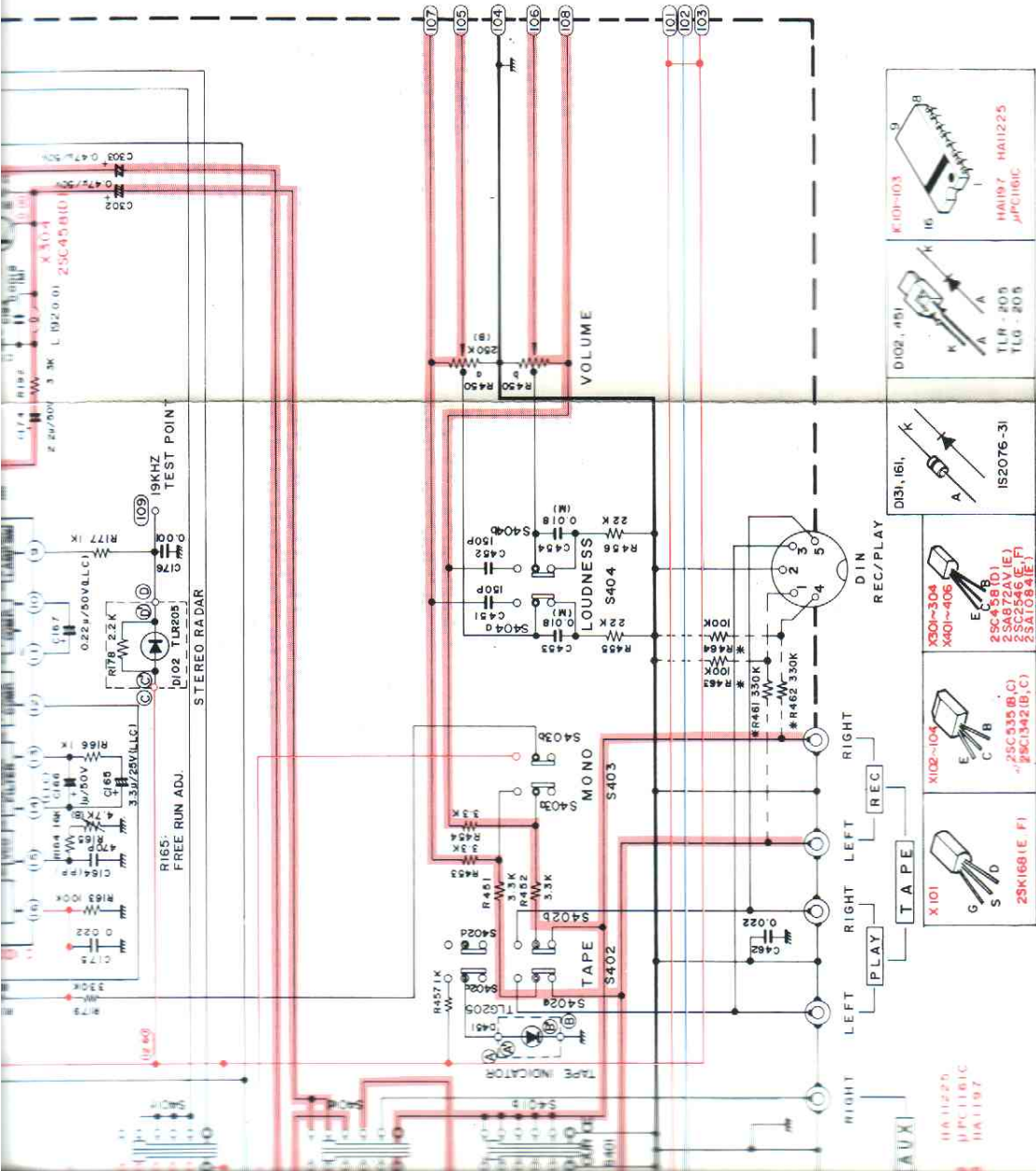
6 DIN, TERMINAL

PARTS NO	TFC-27C	TFC-27D
R461	OPEN	330K
R462	OPEN	330K
R463	OPEN	100K
R464	OPEN	100K
TAPE TERMINAL	603831-41E	603831-062

USING PARTS (REFER TO SERVICE MANUAL)

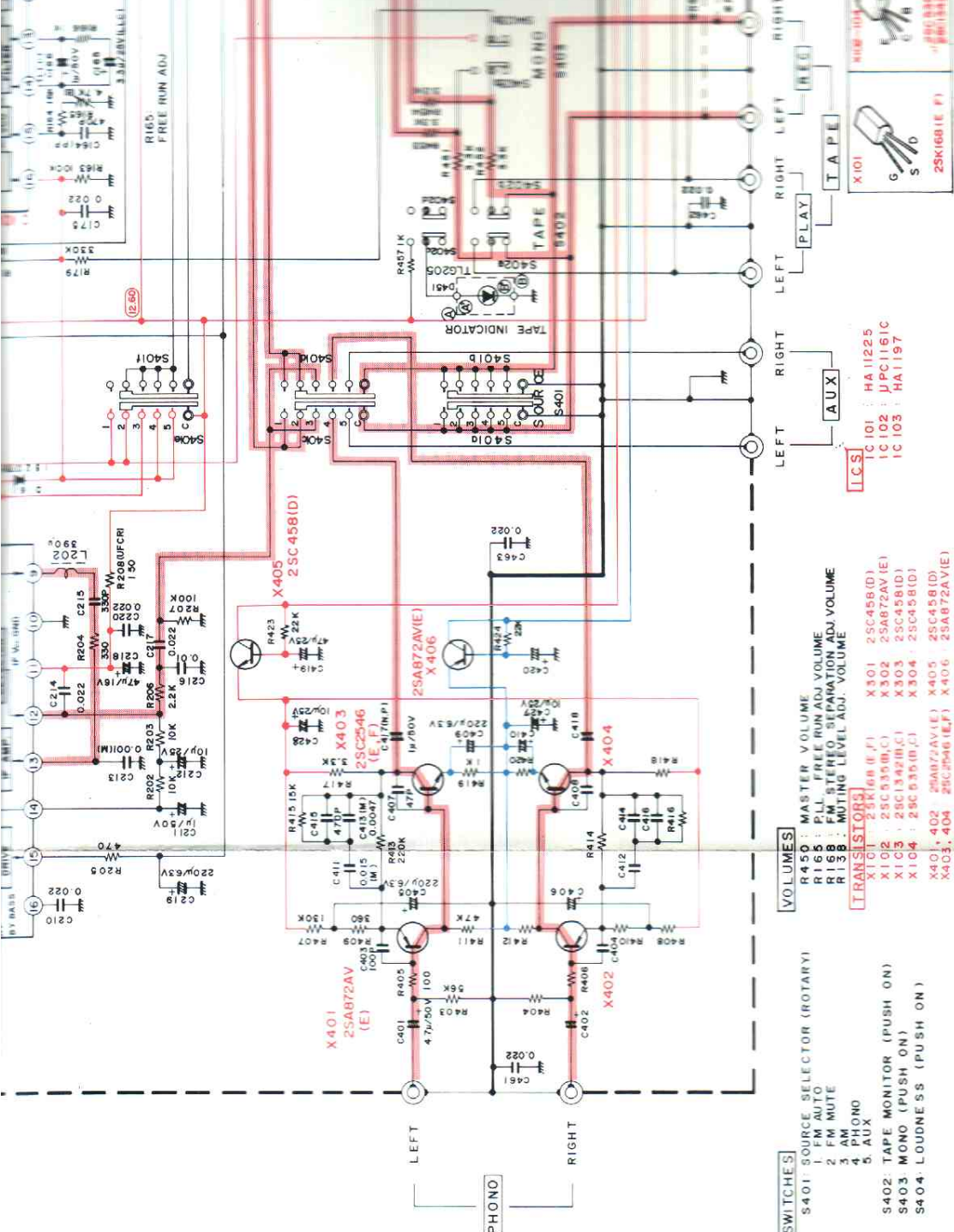
RESISTOR
 U.F.C.R. UNIFLAMMABLE CARBON RESISTOR(1/4WATT)
 OTHERS CARBON RESISTOR(1/4 WATTS)

CAPACITOR
 L.L.C. LOWLEAKAGE CURRENT ELECTROLYTIC CAPACITOR
 P.P. POLYPROPYLENE FILM CAPACITOR
 M. MYLAR CAPACITOR
 N.P. NON-POLARIZED ELECTROLYTIC CAPACITOR
 OTHERS: ELECTROLYTIC CAPACITOR OR CERAMIC CAPACITOR



E | **D** | **C**

- Notes:**
1. Parts in red indicate transistors or ICs.
 2. — indicates signal path.
 3. — indicates positive B power supply.
 4. — indicates negative B power supply.
 5. This is the standard circuit diagram.
- The design and contents are subject to change without notice.



SWITCHES

- S401: SOURCE SELECTOR (ROTARY)
 - 1. AUTO
 - 2. FM MUTE
 - 3. AM PHONO
 - 4. PHONO
 - 5. AUX
- S402: TAPE MONITOR (PUSH ON)
- S403: MONO (PUSH ON)
- S404: LOUDNESS (PUSH ON)

VOLUMES

- R450: MASTER VOLUME
- R165: FREE RUN ADJ. VOLUME
- R166: FM STEREO SITUATION ADJ. VOLUME
- R138: MUTING LEVEL ADJ. VOLUME

TRANSISTORS

- X101: 2SC458(D,F)
- X102: 2SC359(B,C)
- X103: 2SC1342(B,C)
- X104: 2SC535(B,C)
- X401: 4Q2 : 25AB72A(V,E)
- X402: 25AB72A(V,E)
- X403: 4Q4 : 25C458(D)
- X404: 25C458(D)
- X405: 25C458(D)
- X406: 25AB72A(V,E)

IC'S

- IC101 : HA11225
- IC102 : JPC1161C
- IC103 : HA1197

X101



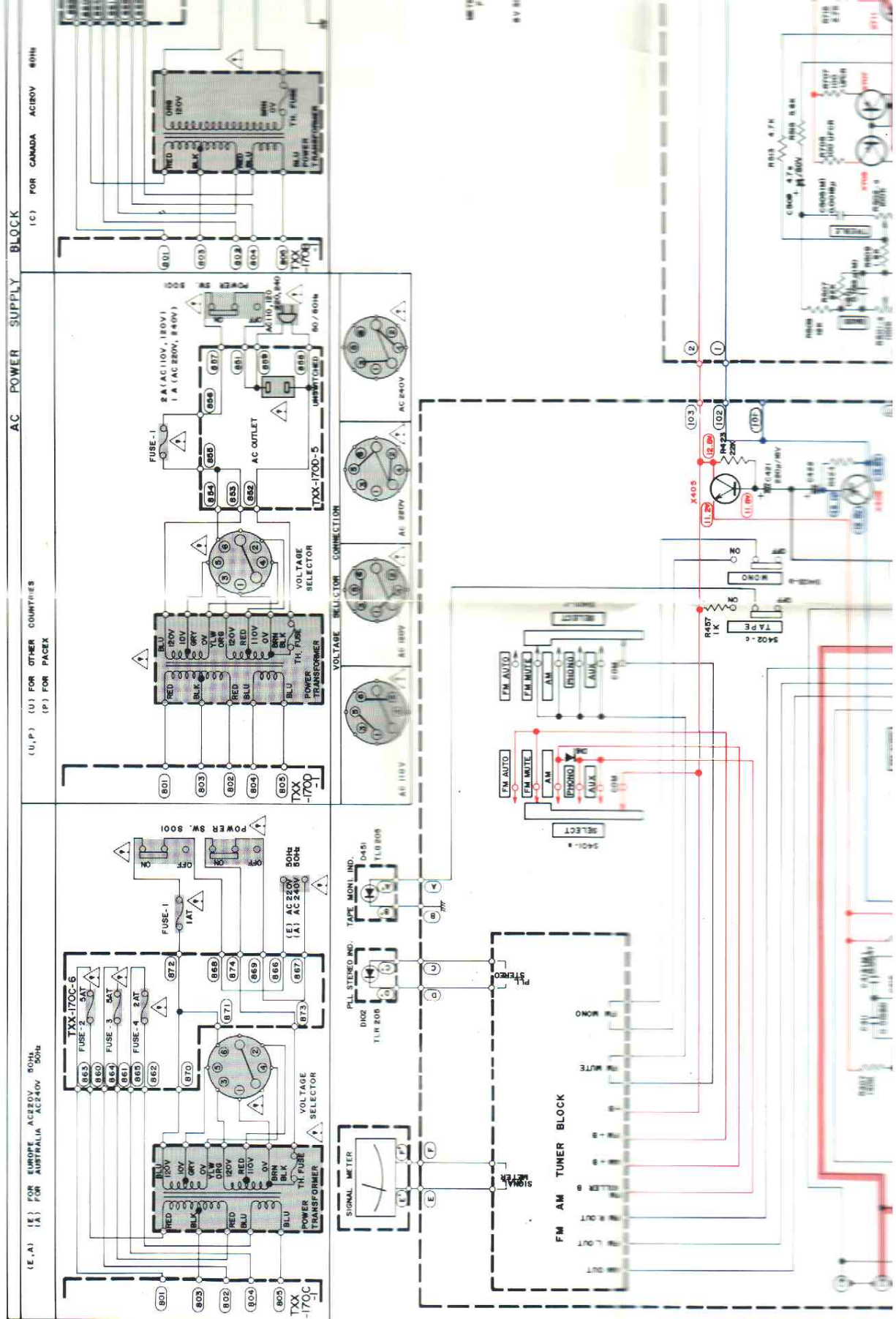
A

B

C

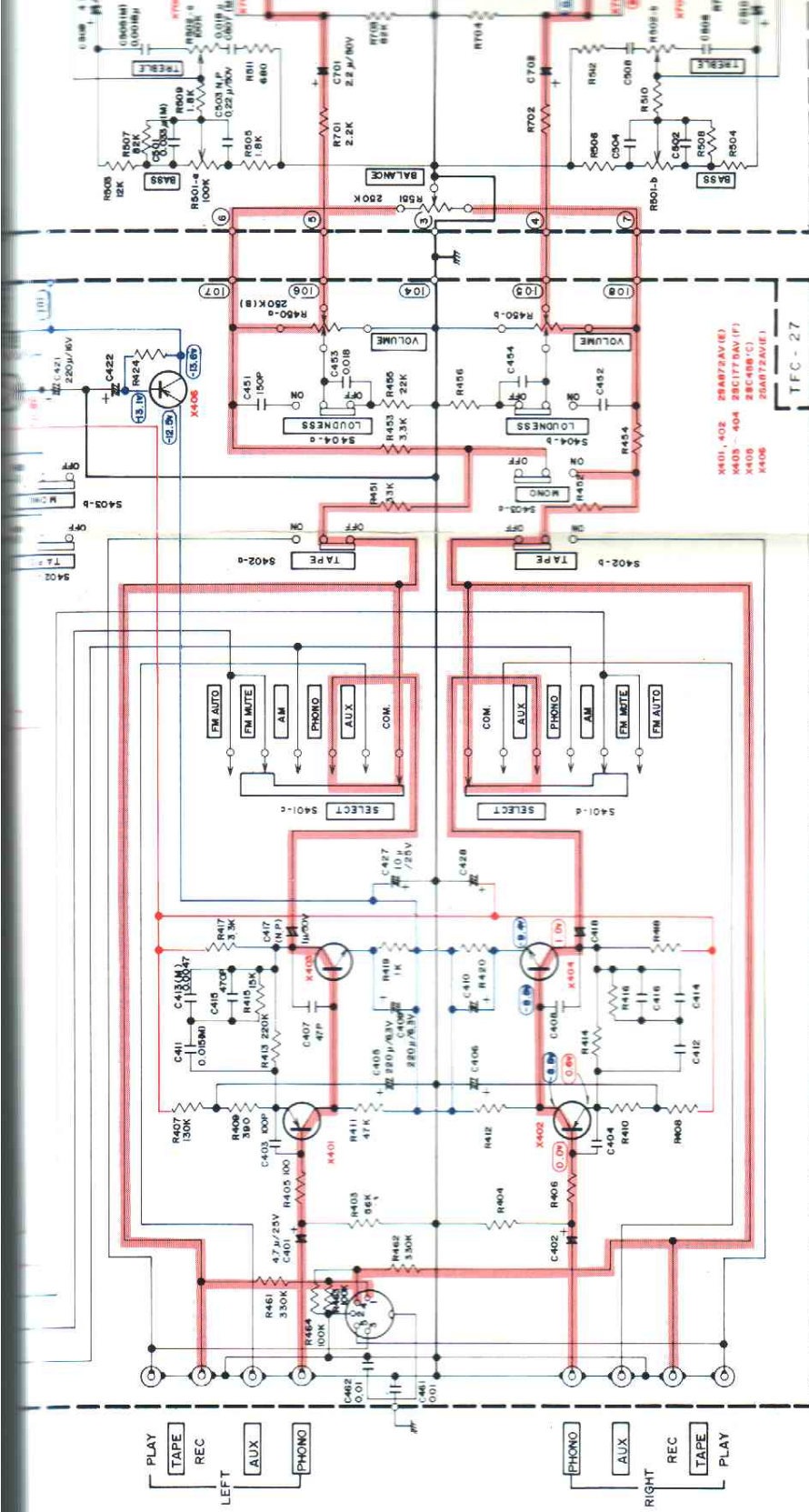
11. R-S5 Schematic Diagram

A | **B** | **C** | **D**



1

2



USING PARTS (REFER TO SERVICE MANUAL)

- RESISTORS
- UFOR : UNFLAMMABLE CARBON RESISTOR (1/4 WATT)
- UFOR : UNFLAMMABLE OXIDE METAL RESISTOR
- UFMR : UNFLAMMABLE METAL PLATE RESISTOR
- OTHERS : CARBON RESISTOR
- CAPACITOR
- M : MYLAR CAPACITOR
- N.P. : NON POLARIZED ELECTROLYTIC CAPACITOR
- OTHERS : ELECTROLYTIC CAPACITOR OR CERAMIC CAPACITOR

X401 ~ 406 28A72ZAV(ES)

X403 ~ 404 28C1778AV(F)

X405 28C1881(C)

X406 28A72ZAV(E)

X401 ~ 406

X701 ~ 720

X901 ~ 906

D701, 702

D801, 808

D901, 908

D801 ~ 804

ER04 ~ 02AL

D701, 702

D801, 808

D901, 908

18076 31

XC-13E

TFC - 27

X7E1 ~ 7E4

28A72ZAV(E), 28A949(0, Y)

28C1778AV(F), 28C1881(C)

28C1778AV(F), 28C1881(C)

28C1881(C), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

28A72ZAV(E), 28A949(0, Y)

3

4

A

B

C