





	TFC 28A	TFC 28B	TFC 28C	TFC 28D
R407, 408	220 K	220 K	130 K	130 K
R409, 410	300	300	390	390
R417, 418	6.8 K	6.8 K	3.3 K	3.3 K
R461, 462	OPEN	330 K	OPEN	330 K
R463, 464	OPEN	100 K	OPEN	100 K
C171, 172	0.0015(M)	0.001(M)	0.0015(M)	0.001(M)
W116, 117	OPEN	OPEN	SHORT	SHORT
P104	YES	YES	NO	NO
R421, 422	56(UFCR)	56(UFCR)	220	220
DIN SOCKET	NO	YES	NO	YES

VOLTAGE
THESE VOLTAGES ARE MEASURED WITH DC VOLTAGE METER AT NON SIGNAL.

PIN	IC101	IC102	IC103	IC301	IC302	IC303
1	1.97	2.13	5.10	0		
2	1.97	2.24	2.18	0		
3	1.97	5.80	12.05	0.28		
4	0	9.97	9.70	5.85		
5	2.43	9.98	12.05	5.67		
6	5.67	5.25	3.68	5.84		
7	5.84	5.25	1.31	0		
8	5.67	0	2.85	0		
9	5.67	12.50	8.07	12.25		
10	5.67	2.26	0	0.12		
11	11.56	2.24	11.62	0.09		
12	4.16	2.26	1.52	11.27		
13	0	2.26	0.69	11.28		
14	0	2.26	1.47	11.29		
15	5.00	3.42	0	11.27		
16	3.57	1.98	0.91	12.44		

- USING PARTS**
- RESISTOR
 - UFCR UNIFLAME CARBON RESISTOR(1/4 WATTS)
 - OTHERS CARBON RESISTOR(1/4 WATTS)
 - CAPACITOR
 - LLC LOW LEAKAGE CURRENT ELECTROLYTIC CAPACITOR
 - P.P POLYPROPYLENE FILM CAPACITOR
 - M MYLAR CAPACITOR
 - N.P NON POLARIZED ELECTROLYTIC CAPACITOR
 - OTHERS ELECTROLYTIC CAPACITOR OR CERAMIC CAPACITOR

Printed Circuit Board Ass'y Locations

P.C. Board Ass'y	Description	Page
TFC-28	FM/AM Tuner and Equalizer Amp. P.C. Board Ass'y	8
TXX-255	Main Amp., Power Supply and Other Functions; Split P.C. Board Ass'y	11

- Notes:**
- shows DC voltage to the chassis with no signal input.
 - * □ shows DC voltage to the chassis when 10 mV antenna input applied.
 - Voltage values in □ are positive.
 - Voltage values in □ are negative.
 - indicates positive B power supply.
 - indicates negative B power supply.
 - indicates signal path.
 - When replacing the parts in the darkened area (□) and those marked with △, be sure to use the designated parts to ensure safety.
 - Parts in red indicate transistors or ICs.
 - This is the standard circuit diagram. The design and contents are subject to change without notice.