



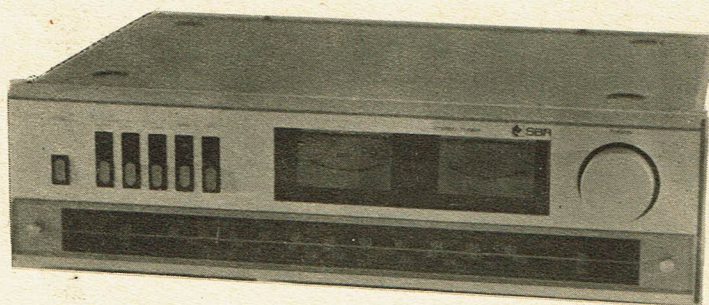
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# SERVICE DOCUMENTATION

# SERVICE DOKUMENTATIE

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**S3100T** (SBR)  
**T3000** (MIIDA)



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## SPECIFICATIONS TECHNIQUES :

TUNER AM-FM - HI-FI STEREO

Gammes d'ondes : FM : 87,5 - 108 MHz  
OM : 515 - 1620 KHz  
OL : 150 - 350 KHz

Sensibilité : FM mono 2 uV  
FM stéréo 4 uV  
OM 20 uV  
OL 40 uV

Bande passante : 40 - 15.000 Hz (+0,5 -2 dB)

Distorsion harmonique : FM mono 0,15%  
stéréo 0,3%  
AM 0,5%

Séparation stéréo : 1000 Hz : -45 dB  
100 - 10.000 Hz : -38 dB

Consommation : 12 watts

Alimentation : 110/220V, AC 50 Hz

Transistors : 2SC929-2SC536AUD-2SC1327-2SA721-2SC2209-2SD592NC

Diodes : 1S1555 ou DS442-1S188FM-GL-9PR2-EQA01-14R1

Dimensions : 442 x 354 x 130 mm.

Poids : 6 kgs.

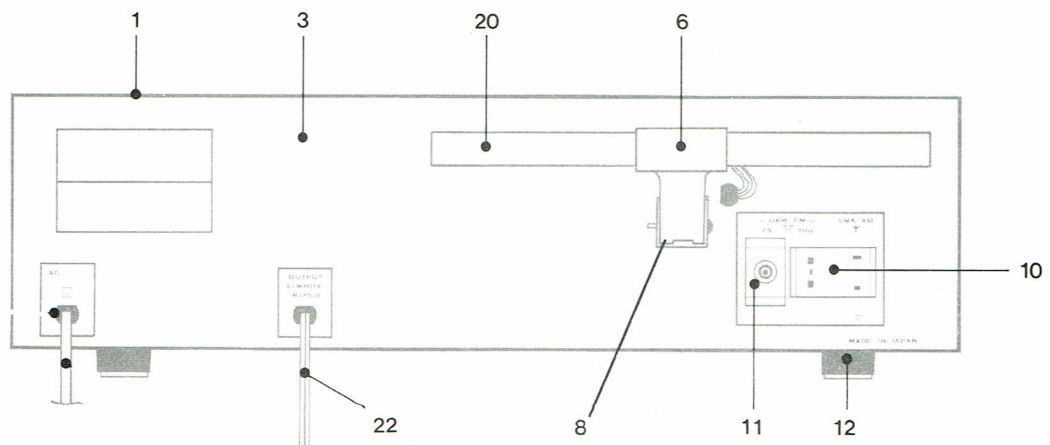
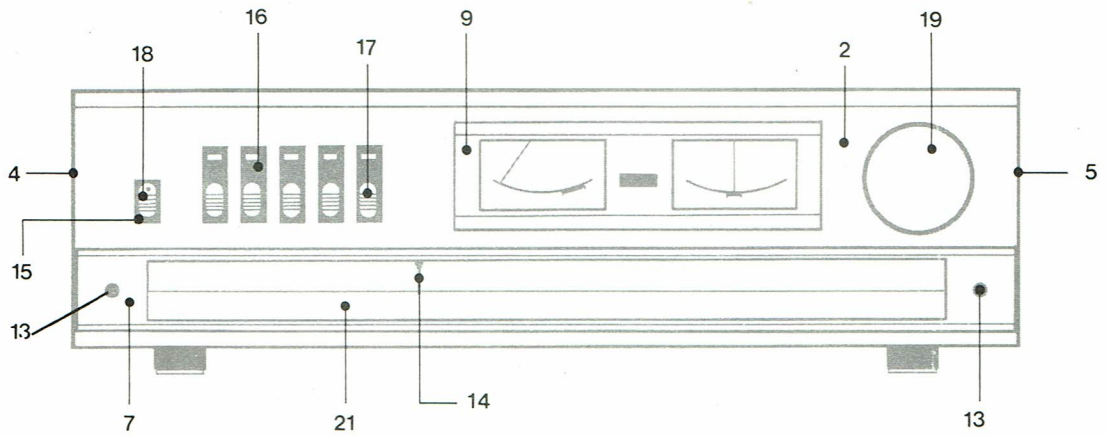
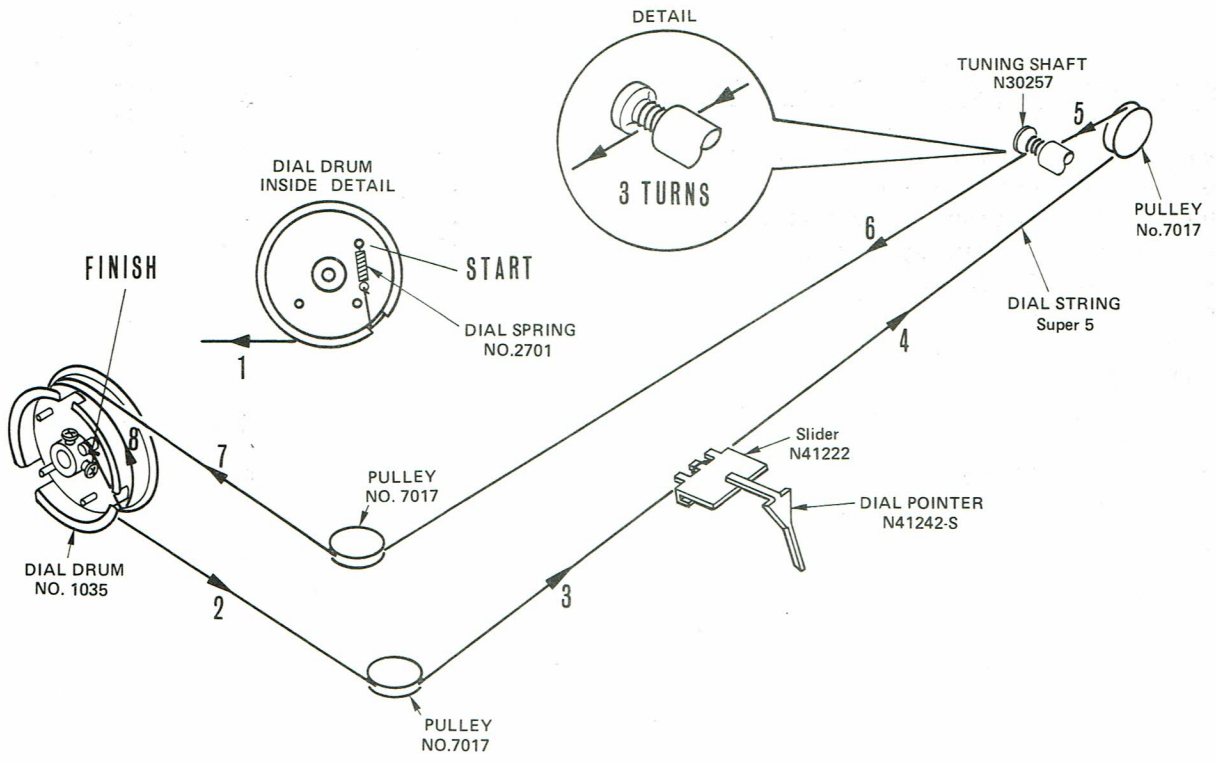
NUMEROS DE CODE DES PIECES ELECTRIQUES

			SBR	MIIDA	BENYTONNE
947.15801	Antenne OM-OL	L103,104	x	x	x
947.14602	Transfo d'alimentation		x	x	x
947.10001	Pot. ajustable Ø 8 500 ohms B	SVR101	x	x	x
947.10002	Pot. ajustable Ø 8 1KB	SVR152	x	x	x
947.10003	Pot. ajustable Ø 8 5KB	SVR151	x	x	x
947.10004	Pot. ajustable Ø 8 20KB	SVR51	x	x	x
947.12501	Condensateur variable	VC1,2,3,101,102	x	x	x
947.12502	Condensateur ajustable	TC102,104	x	x	x
947.12503	Condensateur ajustable	TC101,103	x	x	x
947.28001	Relais	RL801	x	x	x
947.15401	Transfo MF/FM	T51	x	x	x
947.15402	Transfo MF/FM	T52	x	x	x
947.15403	Transfo MF/AM	T101	x	x	x
947.15404	Transfo MF/AM	T102	x	x	x
947.15405	Transfo MF/AM	T103	x	x	x
947.15303	Bobine OSC/OM	L101	x	x	x
947.15304	Bobine OSC/OL	L102	x	x	x
947.15305	Inducteur	L53	x	x	x
947.15302	Bobine de self	L51,52	x	x	x
947.15601	Filtre	F151,152	x	x	x
947.15602	Filtre céramique	F51,52	x	x	x
947.27701	Commutateur OM/OL	S101	x	x	x
947.27506	Commutateur fonction	S1-S6	x	x	x
947.27504	Commutateur ON/OFF		x	x	x
947.34704	VU-mètre signal		x	x	-
947.34702	VU-mètre signal		-	-	x
947.34705	VU-mètre syntonisation		x	x	-
947.34703	VU-mètre syntonisation		-	-	x
947.13402	Ampoule cadran 6,3V/200mA	PL801,802	x	x	x
947.13403	Ampoule stéréo 6,3V/40mA	PL803	x	x	x
947.13401	Ampoule VU-mètre	PL804,805	x	x	x

NUMEROS DE CODE DU BOITIER

947.42004	Boîtier	1	x	x	x
947.42104	Face boîtier	2	x	-	-
947.42105	Face boîtier	2	-	-	x
947.42106	Face boîtier	2	-	x	-
947.42206	Dos boîtier	3	-	x	-
947.42205	Dos boîtier	3	-	-	x
947.42204	Dos boîtier	3	x	-	-
947.42003	Côté boîtier gauche	4	x	x	x
947.42002	Côté boîtier droit	5	x	x	x
947.69101	Support antenne	6	x	x	x
947.41701	Charnière antenne	8	x	x	x
947.42402	Vitre cadran syntonisation	7	x	x	x
947.42401	Vitre VU-mètre	9	x	x	x
947.27205	Embase antenne AM/FM	10	x	x	x
947.27206	Embase antenne co-axial	11	x	x	x
947.46201	Pied boîtier	12	x	x	x
947.50001	Rivet pour cadran	13	x	x	x
947.45001	Aiguille syntonisation	14	x	x	x
947.46005	Enjoliveur bouton ON/OFF	15	x	x	x
947.46006	Enjoliveur bouton fonction	16	x	x	x
947.41001	Touche fonction	17	-	-	x
947.41003	Touche fonction	17	x	-	-
947.41004	Touche fonction	17	-	x	-
947.41002	Touche ON/OFF	18	-	-	x
947.41005	Touche ON/OFF	18	-	x	-
947.41309	Bouton syntonisation	19	x	-	-
947.41310	Bouton syntonisation	19	-	-	x

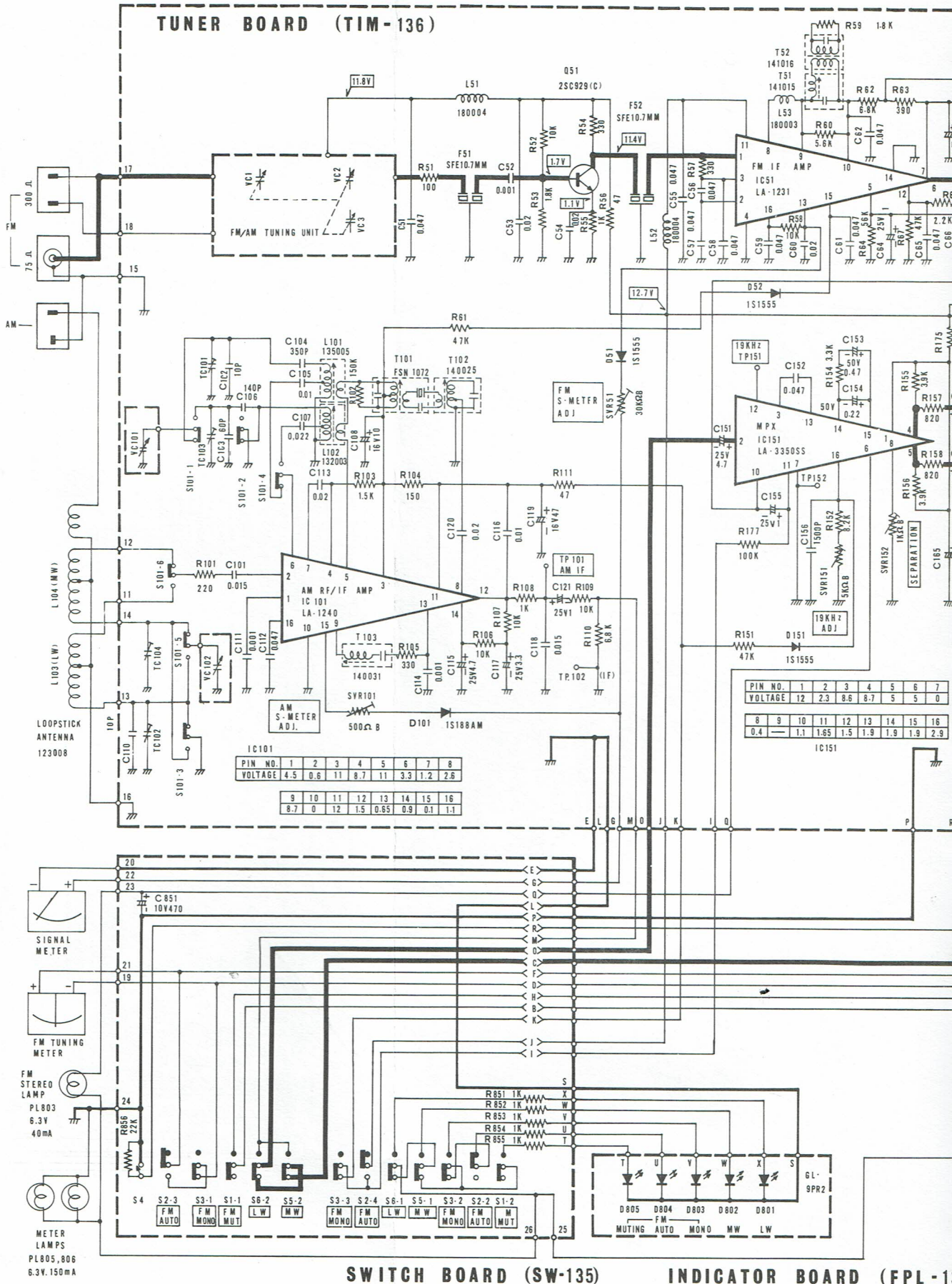
(suite au dos de la feuille 2)

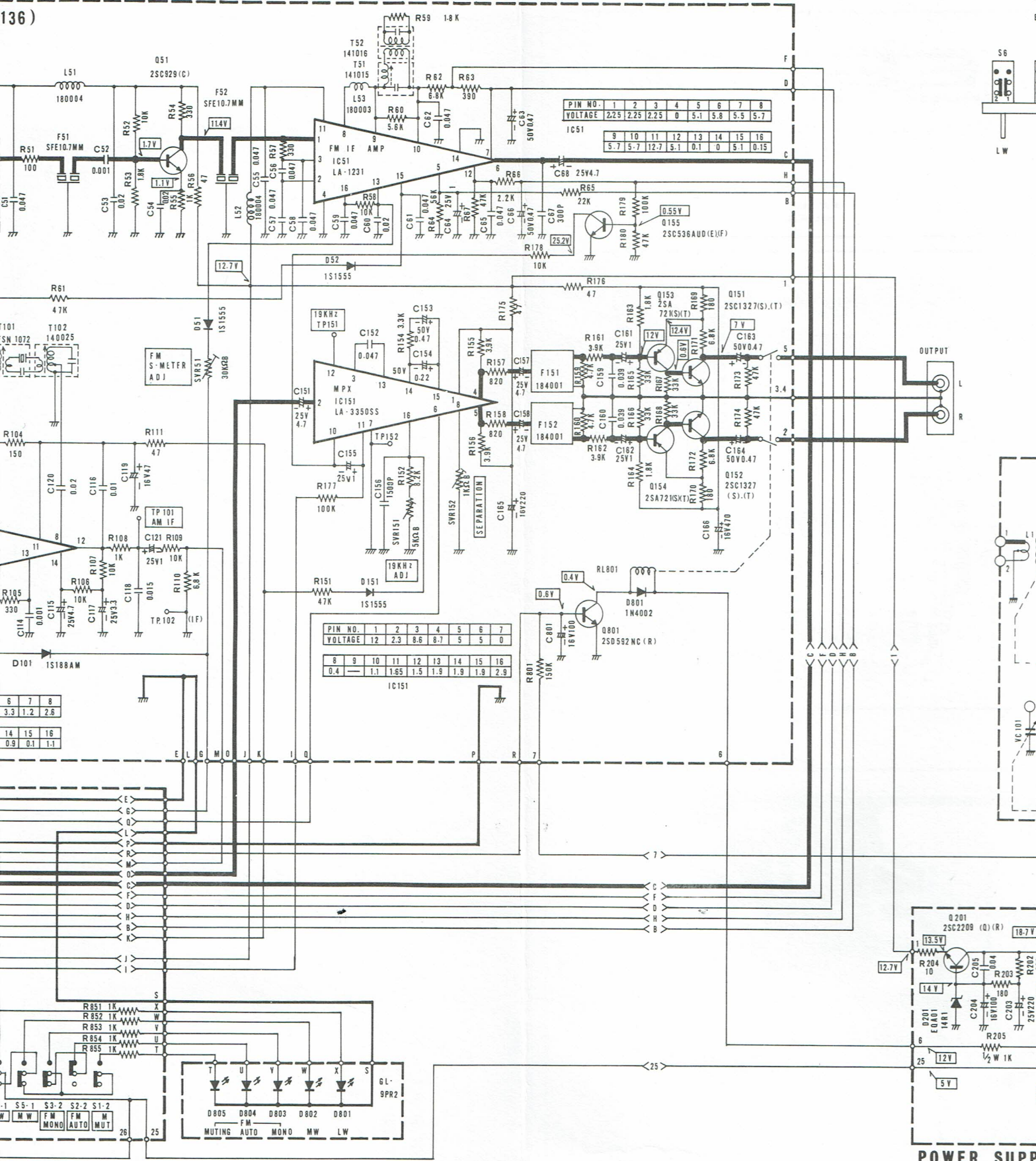


SUITE NUMEROS DE CODE DU BOITIER

			SBR	MIIDA	BENYTON
947.41311	Bouton syntonisation	19	-	x	-
947.15801	Antenne AM	20	x	x	x
947.33301	Cadran syntonisation	21	x	x	-
947.33302	Cadran syntonisation	21	-	-	x
947.32208	Cordon audio	22	x	x	x
947.52801	Poulie CV		x	x	x
947.49201	Ressort ficelle		x	x	x
947.52802	Poulie ficelle		x	x	x
947.52803	Poulie syntonisation		x	x	x
947.20801	CI LED		x	x	x
947.20802	CI commutateur fonction		x	x	x
947.20803	CI alimentation		x	x	x
947.20804	CI tuner		x	x	x

SCHEMATIC DIAGRAM

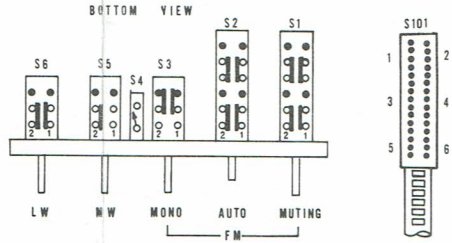
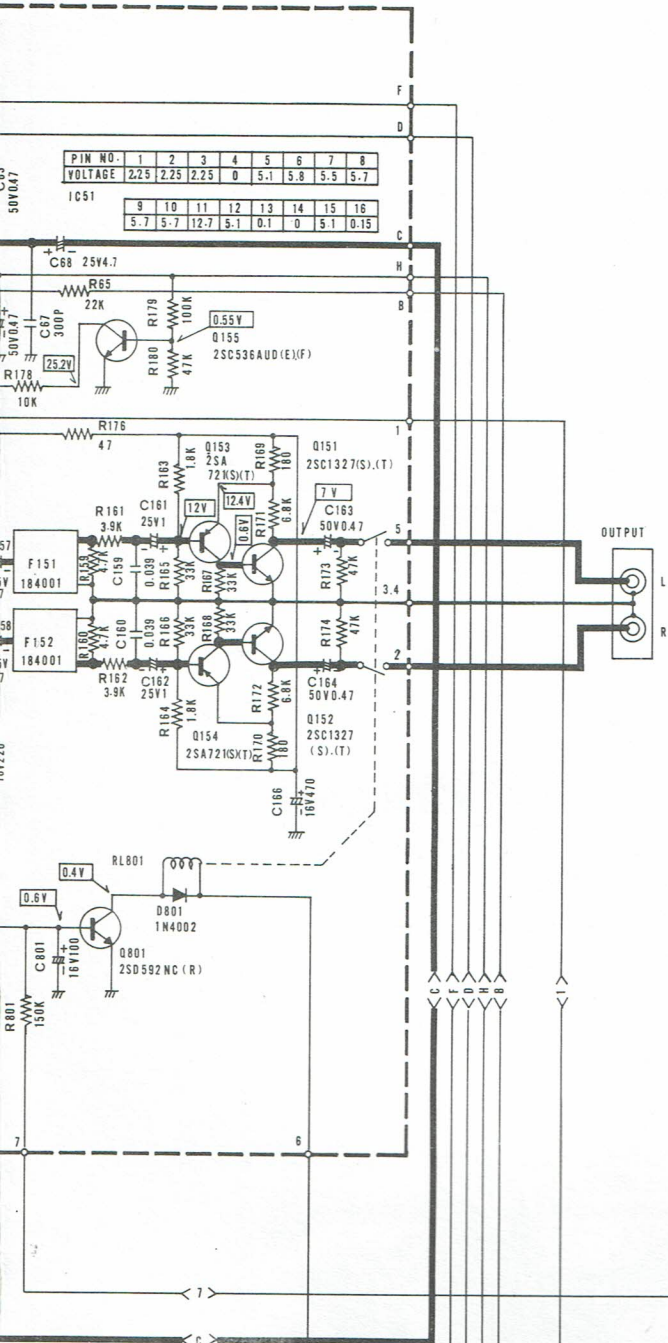




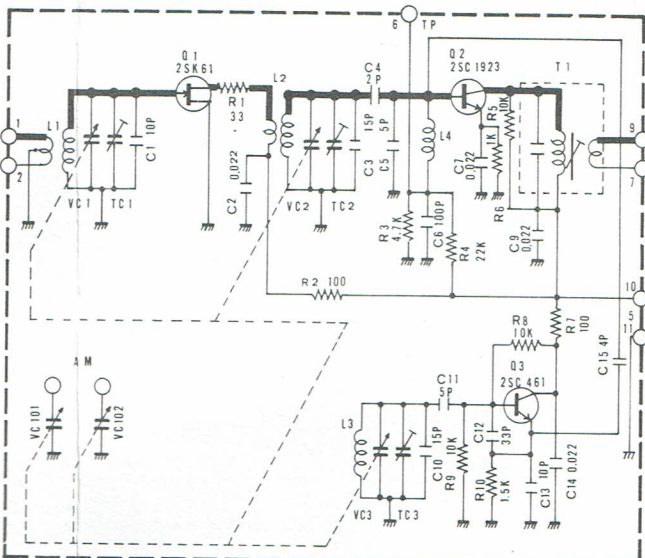
CH BOARD (SW-135)

INDICATOR BOARD (FPL-135)

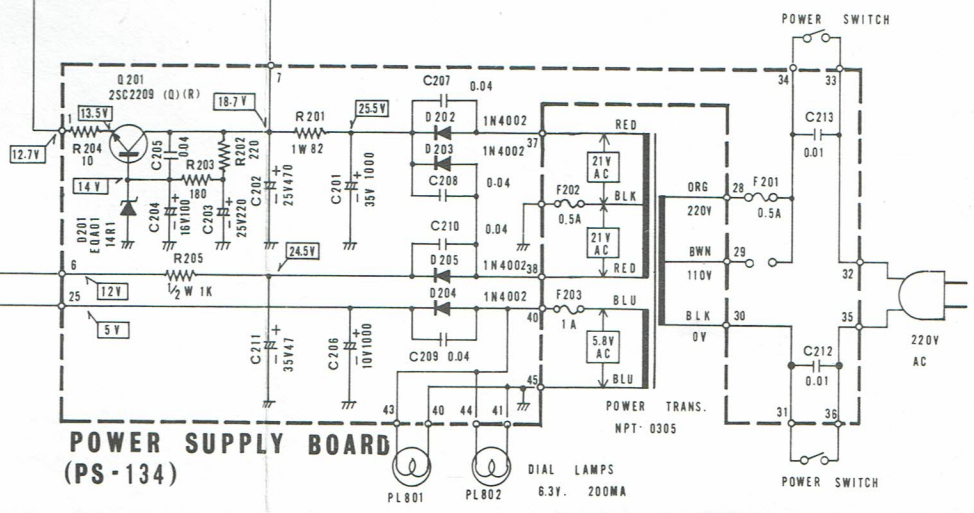
POWER SUPPLY (PS-134)



- NOTE:
- (1) ALL VOLTAGE READINGS WERE MADE UNDER NO SIGNAL CONDITIONS AND MAY VARY WITH A SIGNAL APPLIED.
  - (2) DC VOLTAGE MEASUREMENT WERE TAKEN WITH A HIGH IMPEDANCE INPUT VOLTMETER FROM THE POINT INDICATED TO THE CHASSIS GROUND. VOLTAGES MAY VARY ±20%.
  - (3) UNLESS OTHERWISE SPECIFIED RESISTORS ARE ¼ WATT AND CAPACITORS IN µF.
  - (4) THIS SYMBOL INDICATES GROUND.
  - (5) BOLD LINE INDICATES THE ROUTE OF FM SIGNAL.



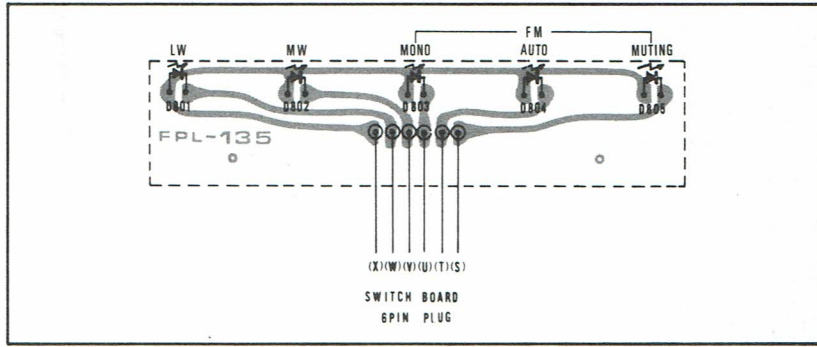
FM/AM TUNING UNIT



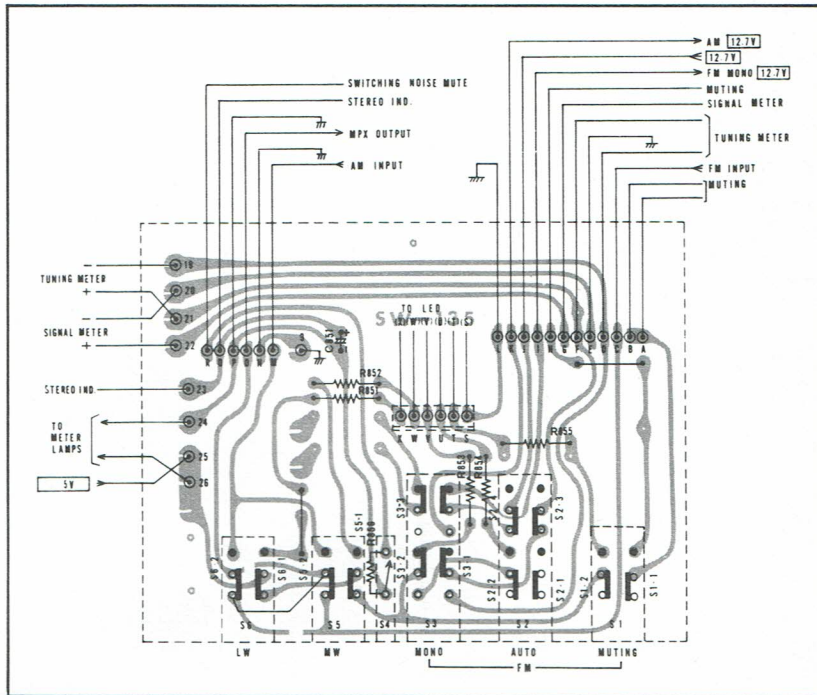
POWER SUPPLY BOARD (PS-134)

**S3100T - T3000**  
**MTU 3100**  
 TUNER HI-FI STEREO

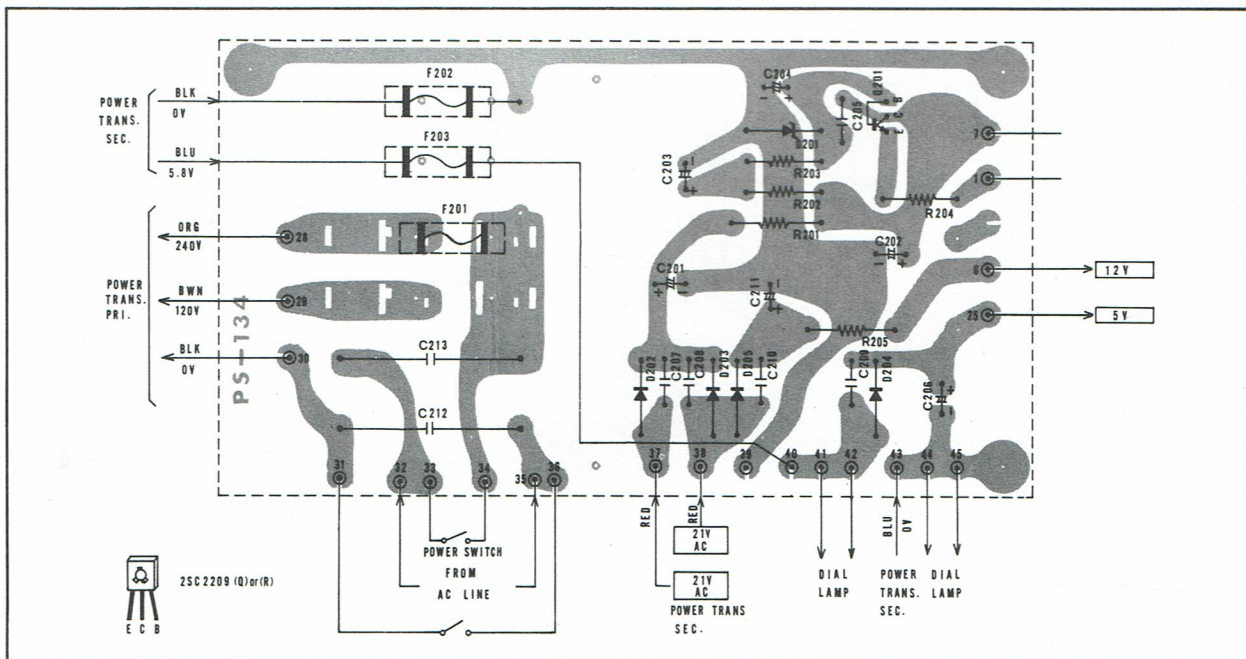
**INDICATOR BOARD (FPL-135)**  
(FOIL SIDE)



**SWITCH BOARD (SW-135)**  
(FOIL SIDE)



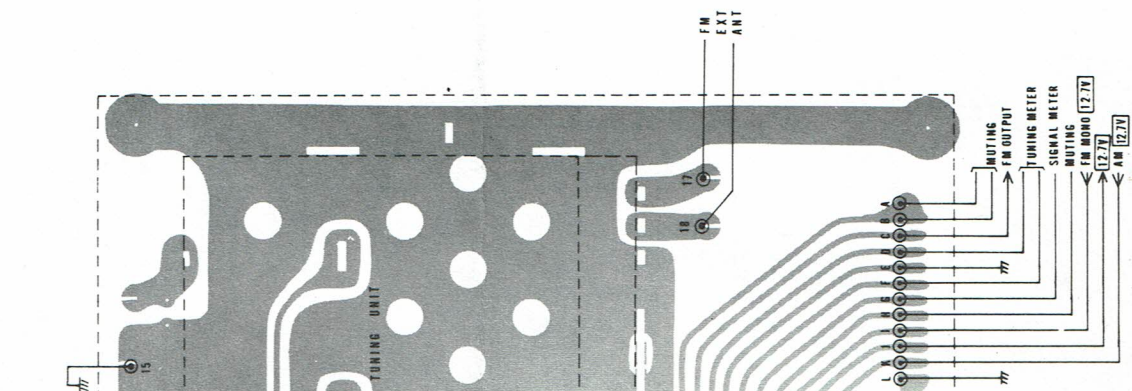
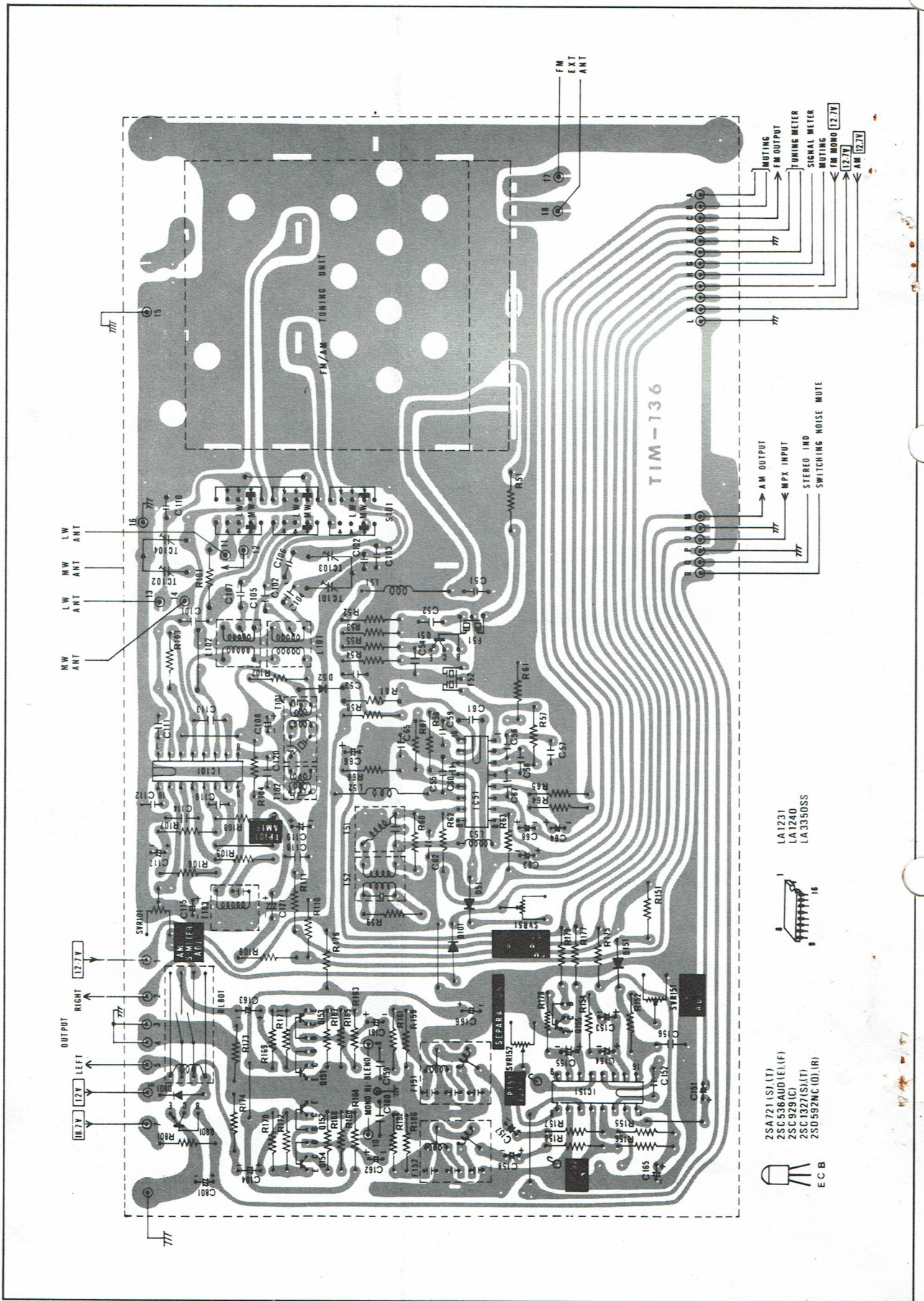
**POWER SUPPLY BOARD (PS-134)**  
(FOIL SIDE)







**TUNER BOARD (TIM-136)**  
(FOIL SIDE)



- 2SA721 (S1,T)
- 2SC536A00 (E1,F)
- 2SC929 (C)
- 2SC1327 (S1,T)
- 2SD592NC (D), (R)
- LA1231
- LA1240
- LA3350SS
- ECB