



**SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA**

THOMSON

**VTCD 800
VTCD 810
VTCD 840**

Version (PC*) : A

*PC : The version code is indicated either in the battery compartment or on the back of the unit - Ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC : Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - Il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - El código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



**Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Características del aparato**

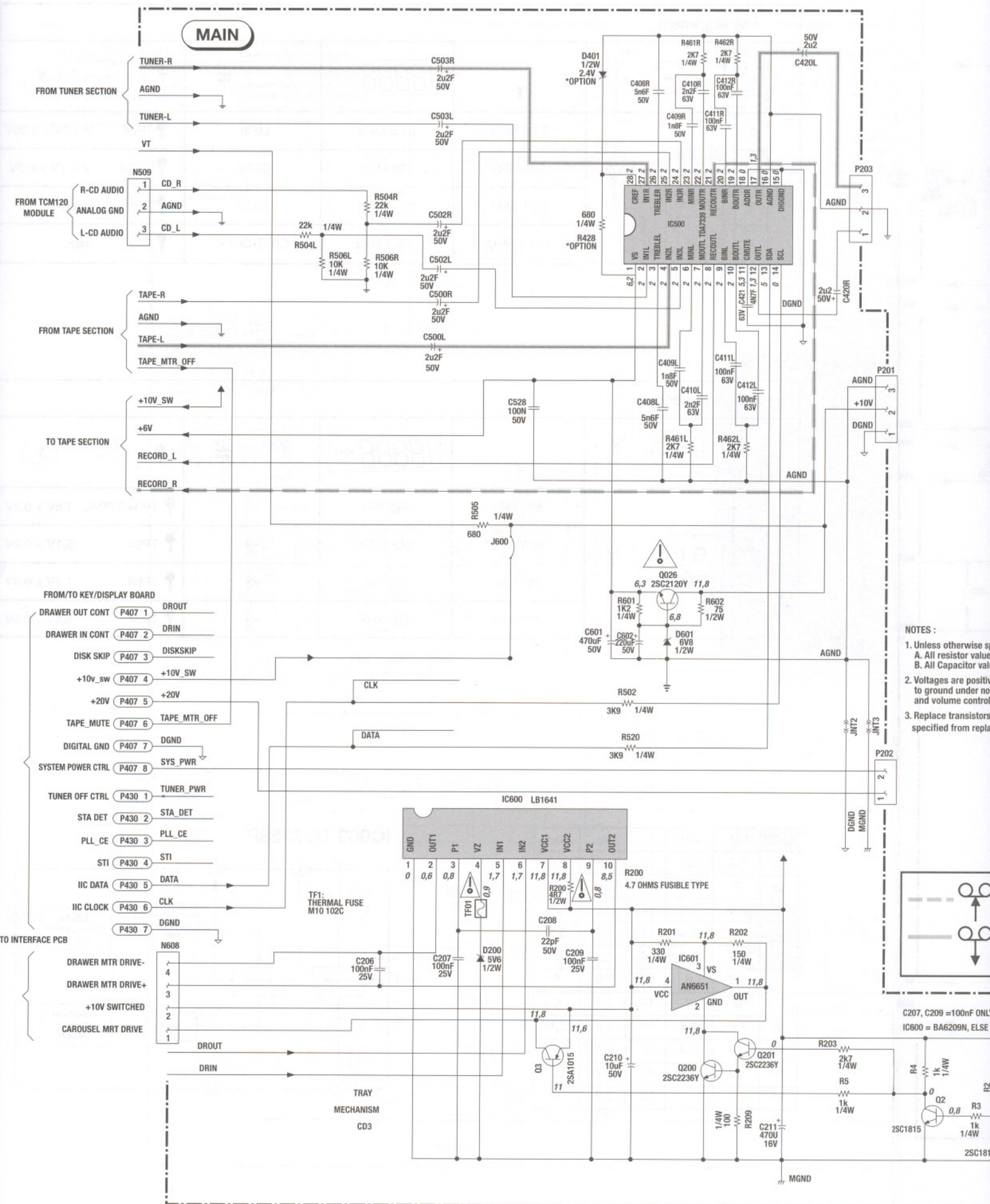
Type of set : Cassette radio recorder / compact disc Type d'appareil : Combiné radio cassette / CD Geräteart : CD-Radio Cassetten Portable Tipo d'apparecchio : Insieme radio cassette / CD Tipo de aparato : Radio cassette / CD			
Power supply : Alimentation : 230 V ~ 50Hz Stromversorgung : Alimentazione : Alimentación :		Nominal output power : Puissance nominale de sortie : 2 x 4 W (rms) Nennausgangsleistung : Potenza nominale di uscita : Potencia nominal de salida :	
	FM - MF : 87,5 - 108 MHz MW - PO : 522 - 1620 kHz LW - GO : 150 - 283 kHz	Sensitivity : Sensibilité : FM - MF : 44, 7 µV (S/N = 50 dB) Empfindlichkeit : MW - PO : 1000 µV/m (S/N = 20 dB) Sensibilità : LW - GO : 2500 µV/m (S/N = 20 dB) Sensibilidad :	
	Stereo separation : Diaphonie : Übersprechdämpfung : 30 dB (f = 1 kHz) Diafonia : Diafonia :	Signal to noise ratio : Rapport signal / bruit : 44/48 dB Geräuschspannungsabstand : Rapporto segnale / disturbo : Relación señal / ruido :	
	Wow and flutter : Fluctuations : 0,35 % Gleichlauf : Fluttuazioni : Fluctuaciones :		
	Disc rotation speed : Vitesse de rotation du disque : 200 → 500 tr/m CD-Drehgeschwindigkeit : Velocità di rotazione del disco : Velocidad de rotación del disco :	Frequency response : Courbe de réponse : 100 Hz - 12 kHz (+3 dB) Frequenzgang : Curva di risposta : Curva de respuesta :	
DAD	Dynamic range : Gamme dynamique : 65 dB Dynamikumfang : Dinamica : Dinámica :	Signal to noise ratio : Rapport signal / bruit : 70 dB Geräuschspannungsabstand : Rapporto segnale / disturbo : Relación señal / ruido :	



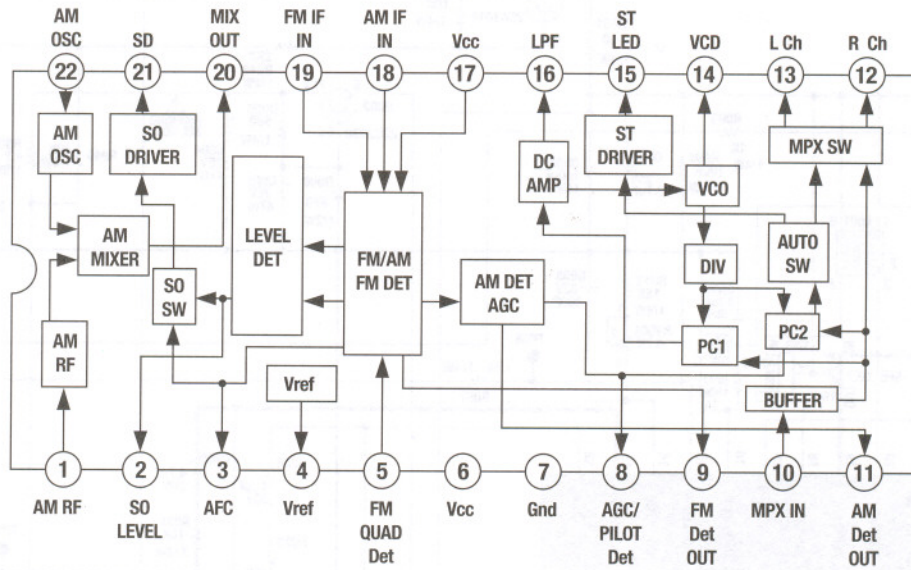
WARNING : Before servicing this chassis read the safety recommendations.
ATTENTION : Avant toute intervention sur ce châssis, lire les recommandations de sécurité.
ACHTUNG : Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.
ATTENZIONE : Prima di intervenire sullo chassis, leggere le norme di sicurezza.
IMPORTANTE : Antes de cualquier intervención, leer las recomendaciones de seguridad.

Code : 350 814 80 - 0899 / 4,1M - CRKD1244 Print.

MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTLEITERPLA ESQUEMA DE LA PLATINA PRINCIPAL



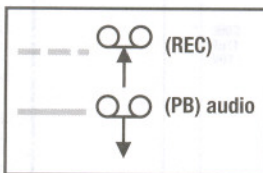
IC001 AN7238



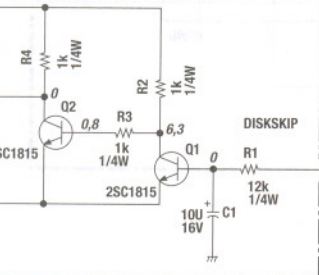
NOTES :

1. Unless otherwise specified:
A. All resistor values are in ohms, 1/4W
B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list

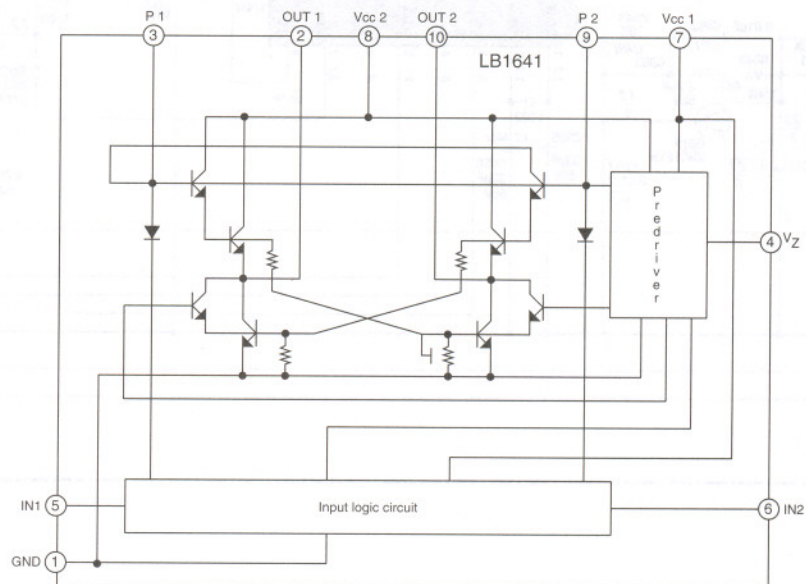
4. Unless otherwise stated, all voltages taken in radio "on" position
- 5.* and Δ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.



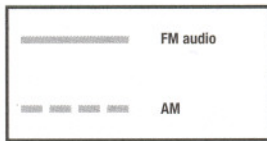
C207, C209 = 100nF ONLY VALID FOR IC600 = BA6209N, ELSE C208 = 22pF



IC600 LB1641



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTLEITERPL (TUNER PART)



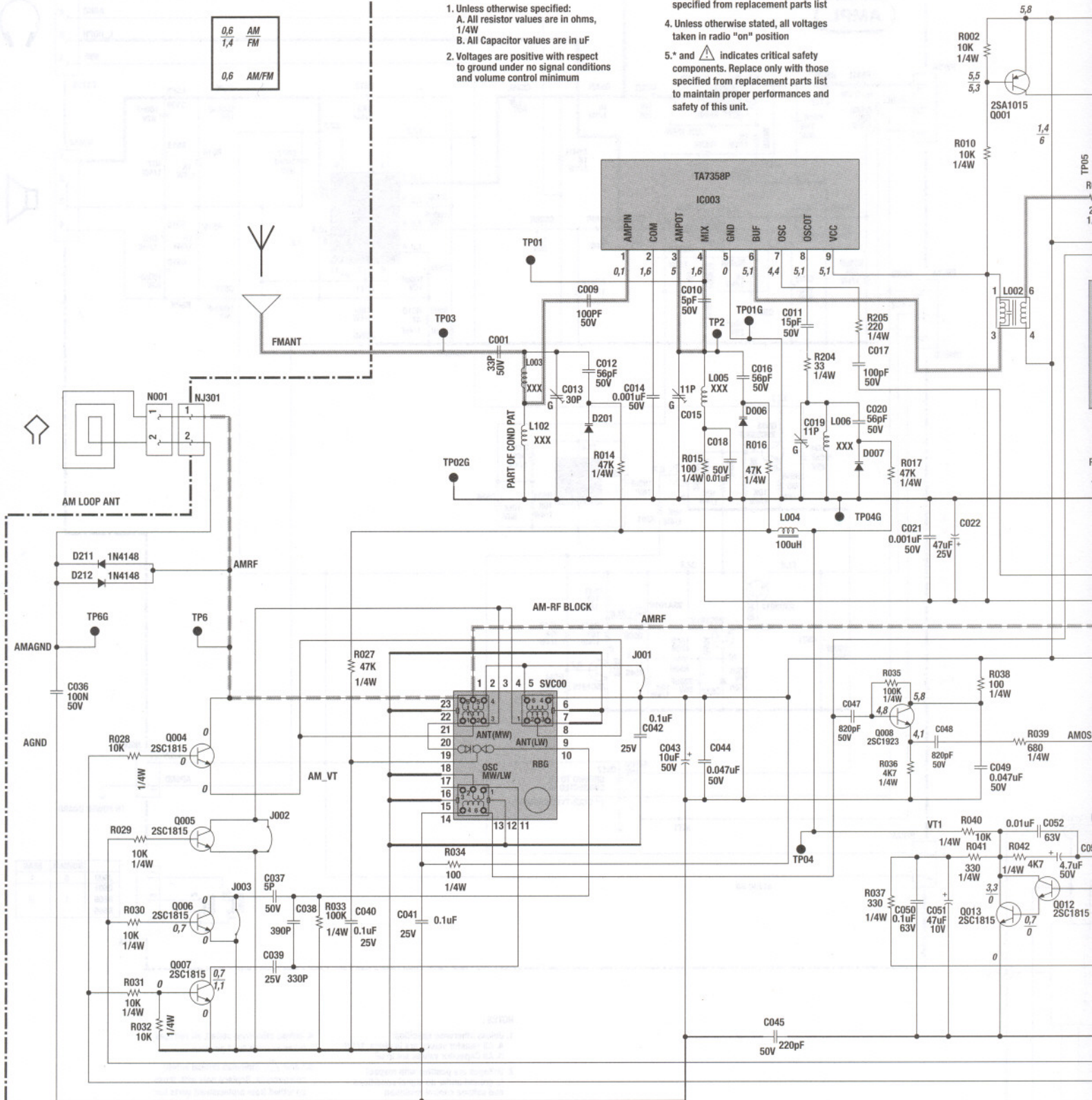
0,6	AM
1,4	FM
0,6	AM/FM

MAIN

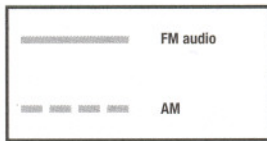
NOTES :

1. Unless otherwise specified:
A. All resistor values are in ohms, 1/4W
B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum

3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
- 5.* and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTLEITERPL (TUNER PART)



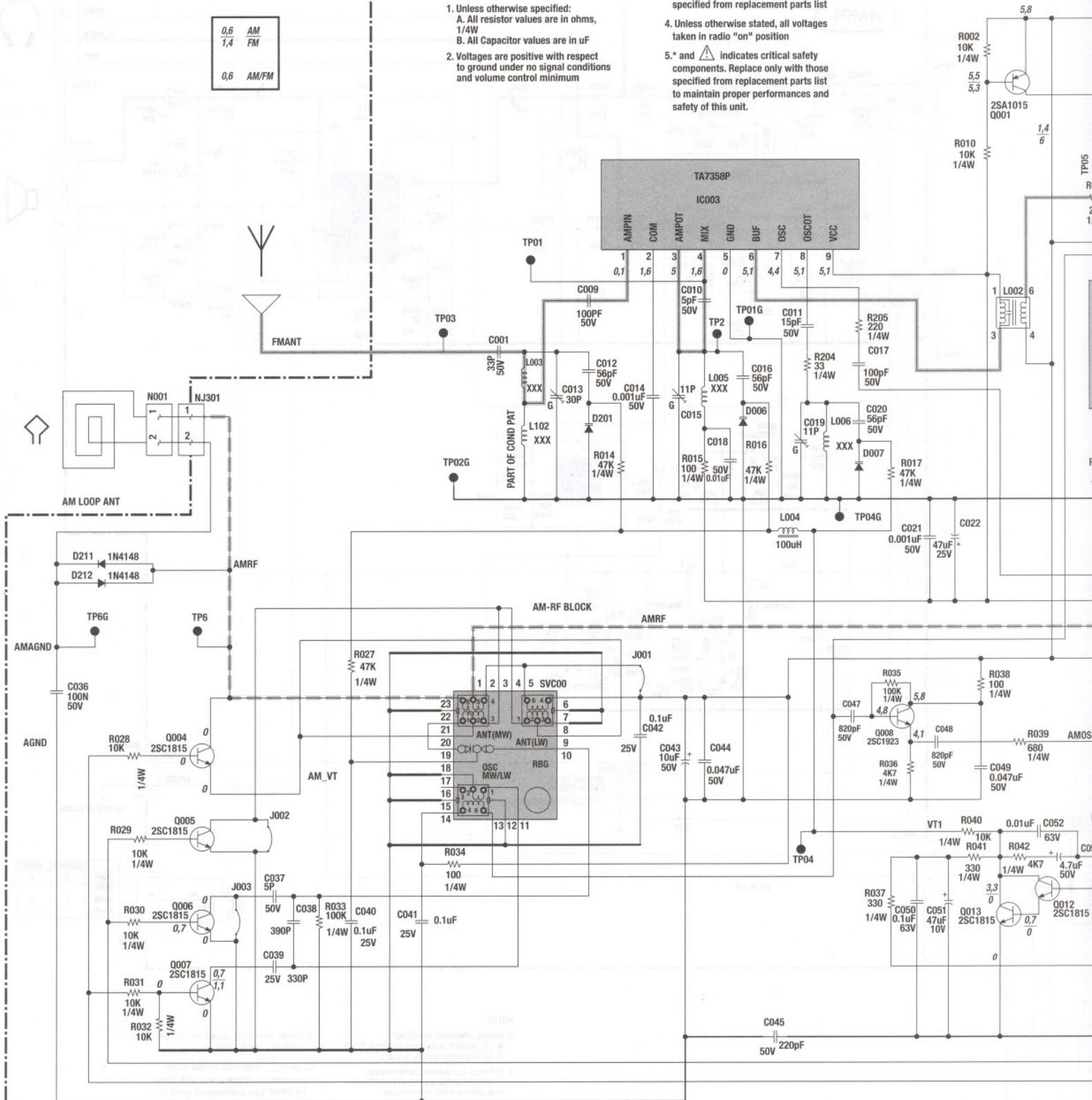
0,6	AM
1,4	FM
0,6	AM/FM

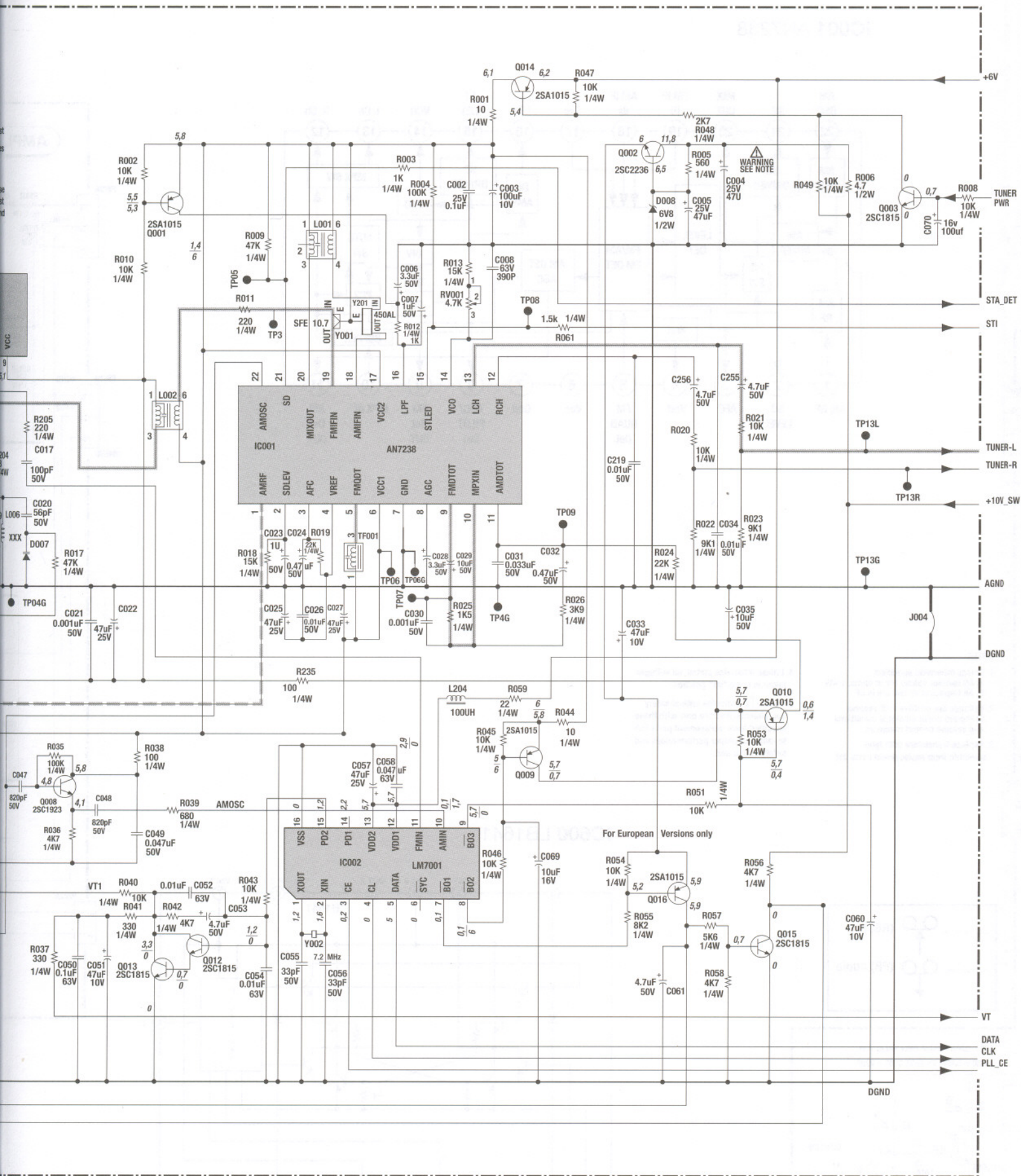
MAIN

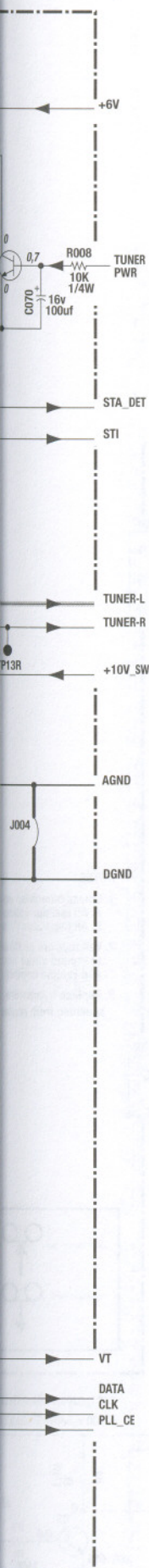
NOTES :









1. Unless otherwise specified:
A. All resistor values are in ohms, 1/4W
B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum













3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
- 5.* and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.





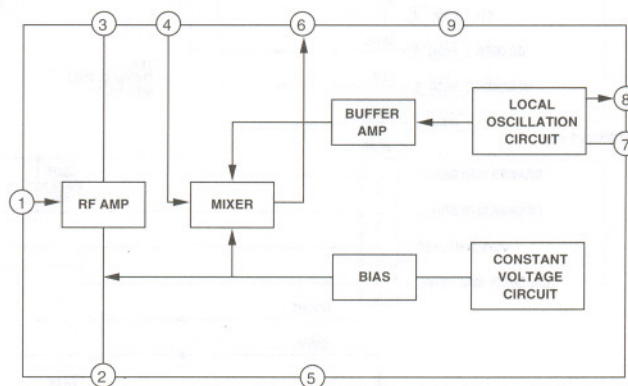


FM alignment						
			f			  
FM	1		87,5 MHz	87,5 MHz	L006	TP04 $V = 1V \pm 0,05V$
	2		108 MHz	108 MHz	C019	TP04 $V = 7V \pm 0,2V$
	3		90,1 MHz	90,1 MHz	L005	TP3 max.
	4		106,1 MHz	106,1 MHz	C013-C015	TP3 max.

AM alignment						
			f			  
MW PO	1		522 kHz	522 kHz		TP04-TP04G $1,6V \pm 0,2V$
	2		1620 kHz	1620 kHz		TP04 $6,1V \pm 0,2V$
LW GO	3		150 kHz	150 kHz		TP04 $1,4V \pm 0,4V$
	4		283 kHz	283 kHz		TP04 $5,8V \pm 0,5V$

IC001	FM	AM		FM	AM
1	5,8	6	12	2,5	2,5
2	3	3	13	2,6	2,6
3	2,8	2,5	14	0,6	0
4	2,5	2,5	15	0,1	5,5
5	5,9	5,9	16	1,4	4,3
6	5,8	6	17	5,8	6
7	0	0	18	5,7	6
8	1,2	1,6	19	5,8	5,8
9	2,4	2,4	20	5,8	6
10	2,5	2,5	21	0,7	0,7
11	-	-	22	5,8	6

IC003 TA 7358P

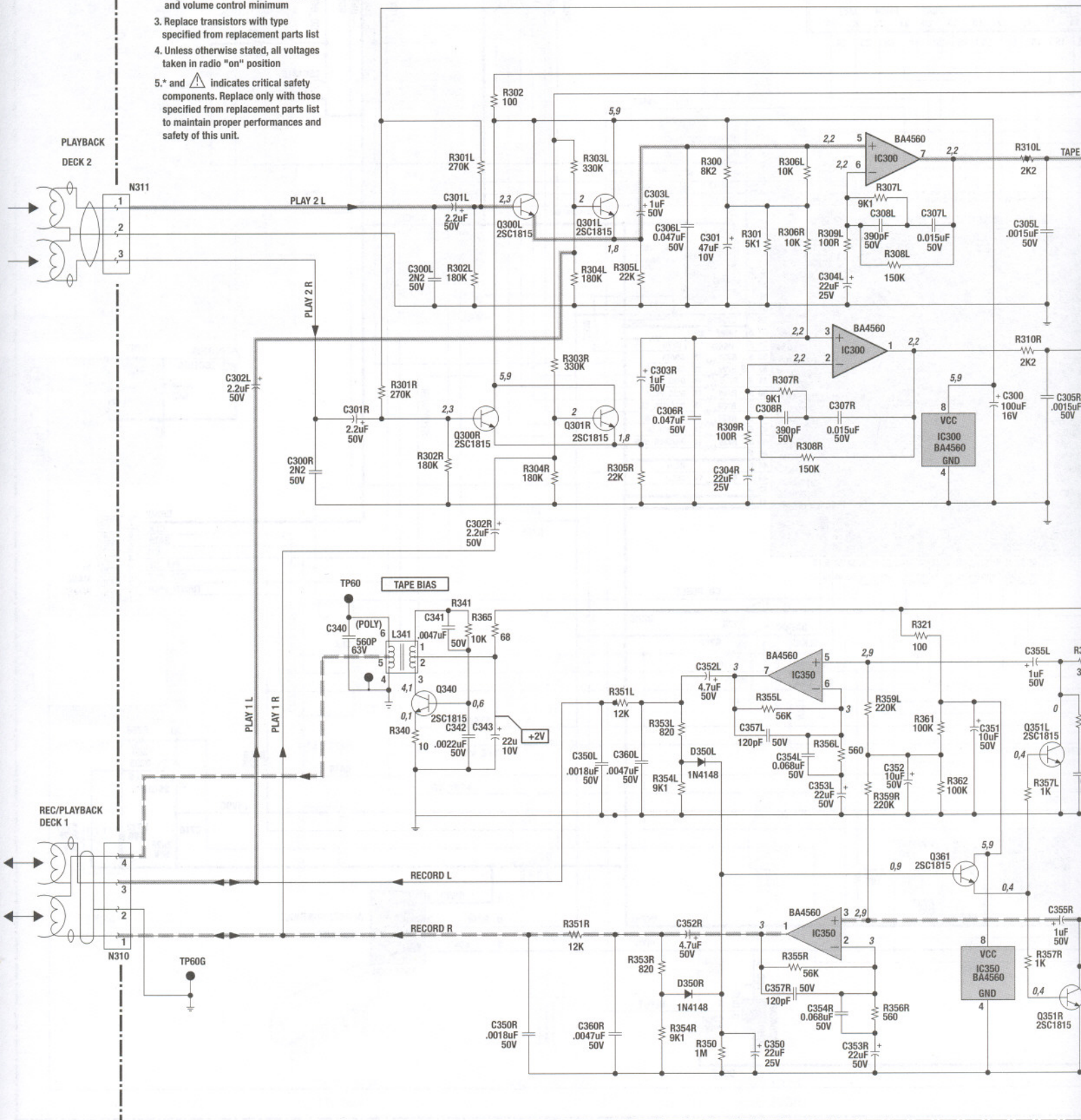


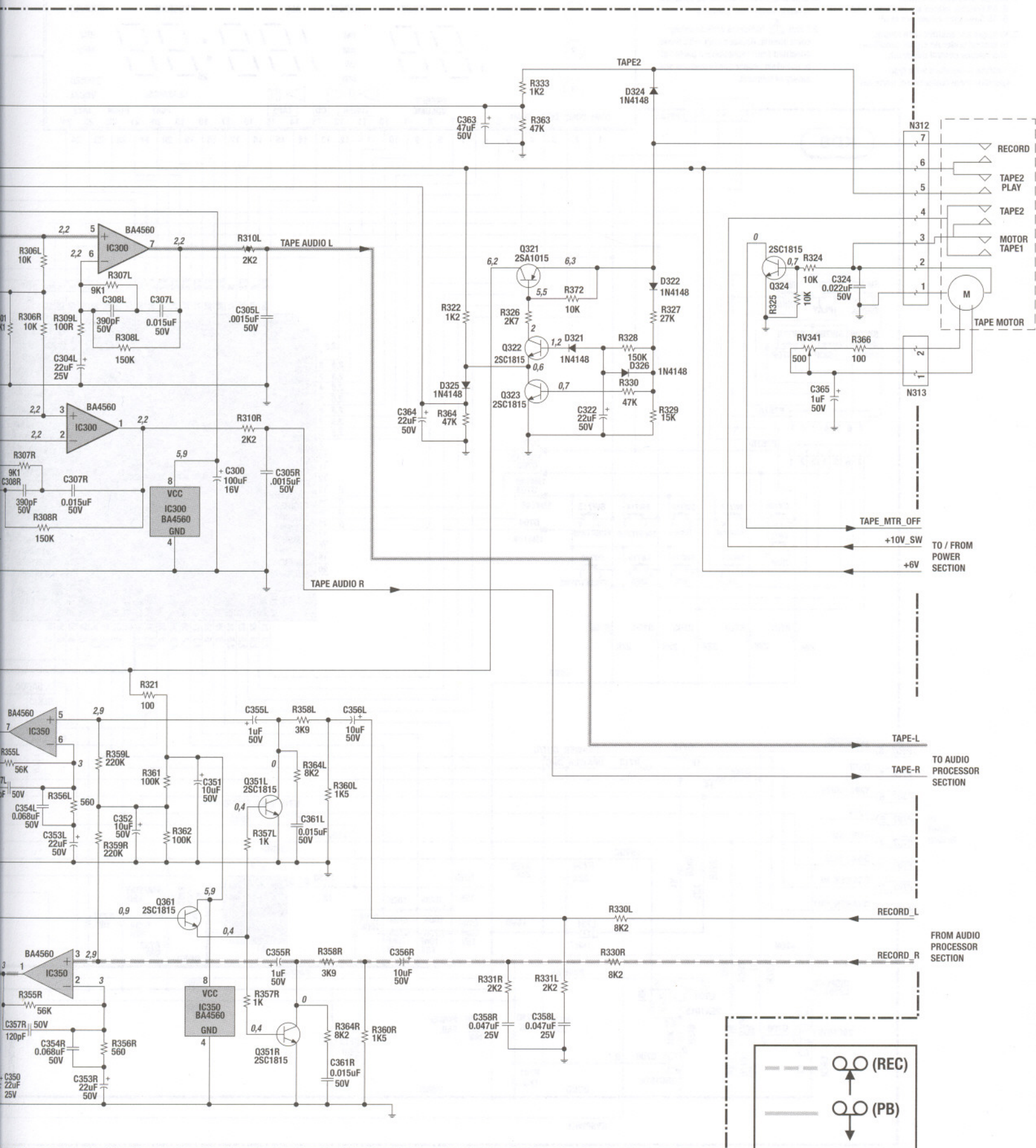
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTLEITERPLAT (TAPE PART)


NOTES :

1. Unless otherwise specified:
A. All resistor values are in ohms, 1/4W
B. All Capacitor values are in μF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and Δ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

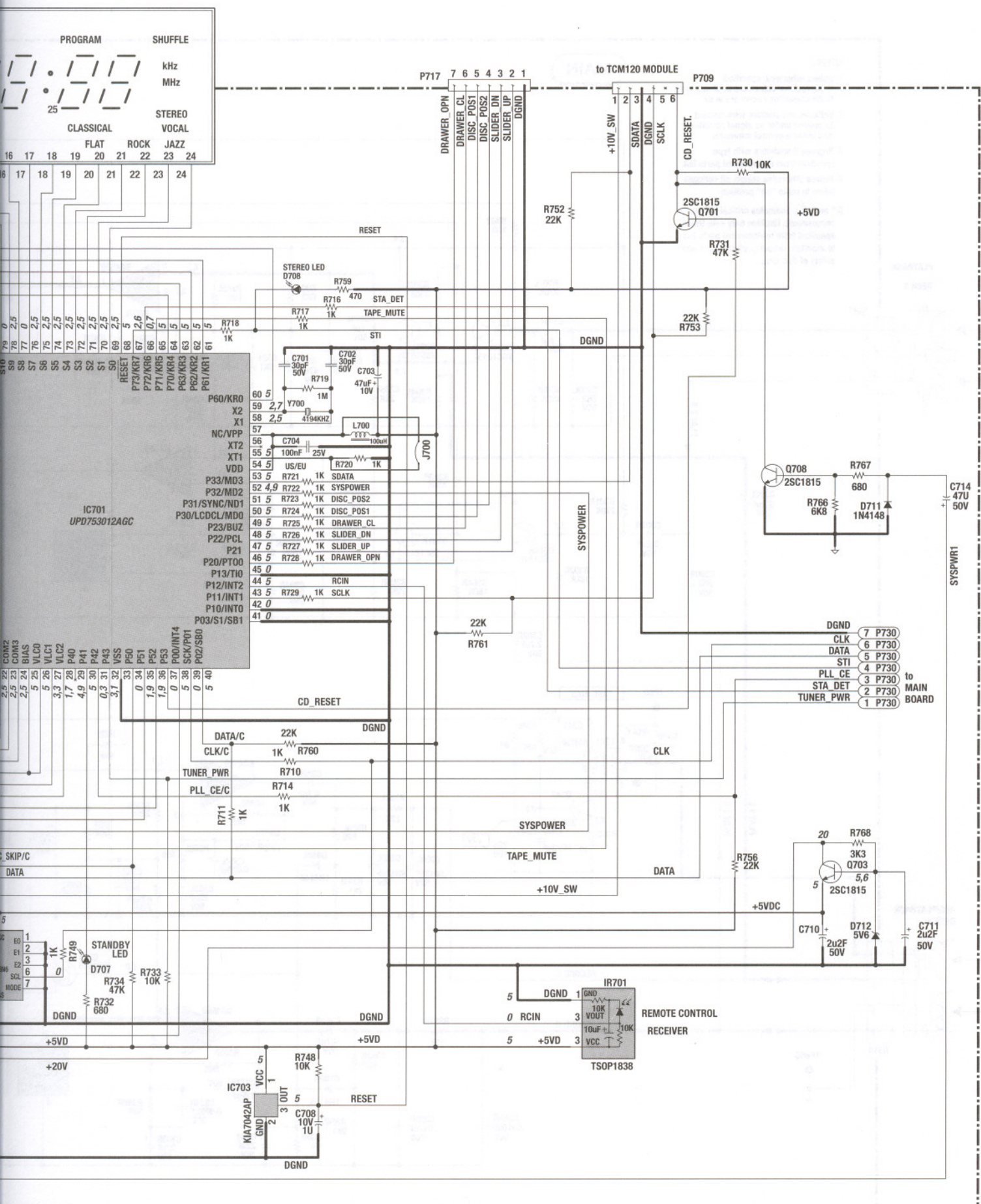
MAIN



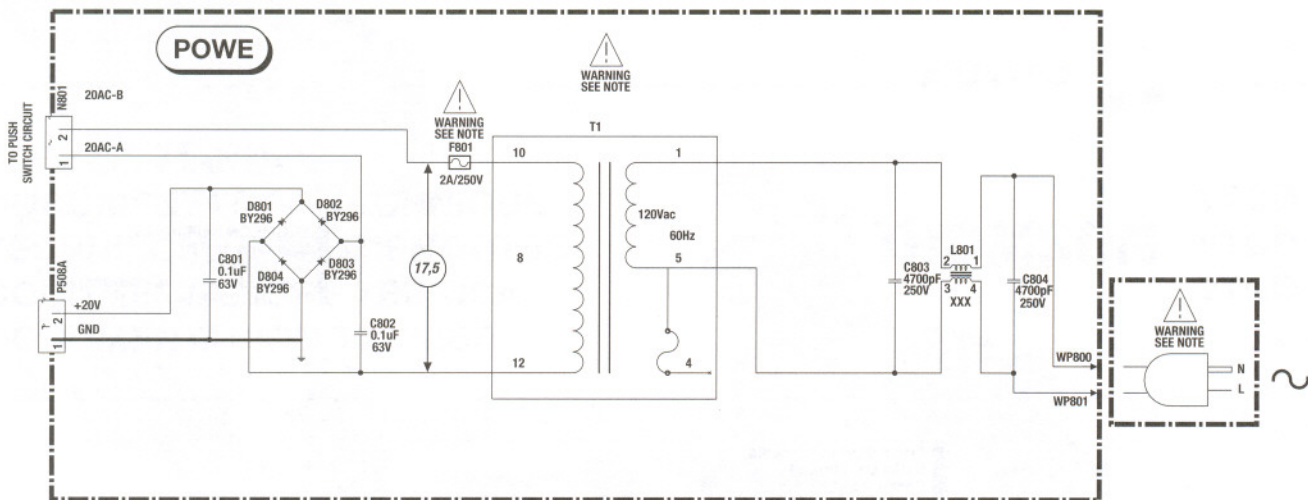


5.* and  indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.





POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL - SCHEMA DELL' ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN



NOTES :

1. Unless otherwise specified:
A. All resistor values are in ohms, 1/4W
B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list

4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

