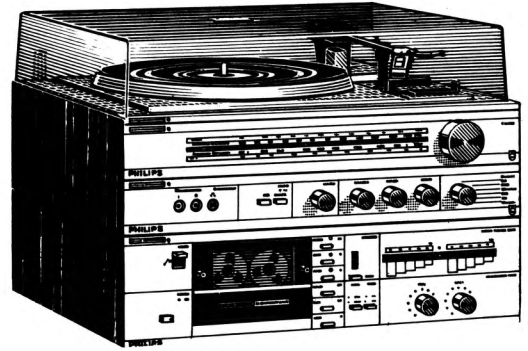


Service Service Service



Consultar também os Manuais de Serviço 06AF093/01 e ME-1.
Consultar también los Manuales de Servicio 06AF093/01 y ME-1.
See also the Service Manuals 06AF093/01 and ME-1.

Service Manual

Manual de Serviço
Manual de Servicio
Service Manual

(P) ESPECIFICAÇÕES

RÁDIO AMPLIFICADOR

Faixa de Onda
— OM
— FM
Frequência Intermediária
— AM
— FM
Potência de Saída
Impedância de Saída
Resposta de Frequência
Sensibilidade das Entradas
— Aux
Saídas
— Aux
— Phones
Relação Sinal/Ruído

TOCA DISCO

Rotação
Wow and Flutter
Rumble
Cápsula Fonocaptora

TAPE DECK

Velocidade da Fita
Wow and Flutter
Tempo de Bobinamento
Resposta de Frequência
— Fe
— Cr
Distorção
Frequência de Bias
Alimentação
Dimensões
Caja Recomendada

(E) ESPECIFICACIONES

RÁDIO AMPLIFICADOR

Rango de Banda
— OM
— FM
Frecuencia Intermedia
— AM
— FM
Potencia de Salida
Impedancia de Salida
Respuesta de Frecuencia
Sensibilidad de las Entradas
— Aux
Salidas
— Aux
— Phones
Relación Señal/Ruido

TOCA DISCO

Rotación
Wow and Flutter
Rumble
Cabeza Fonocaptora

TAPE DECK

Velocidad de la Cinta
Wow and Flutter
Tiempo de Bobinamiento
Respuesta de Frecuencia
— Fe
— Cr
Distorsion
Frecuencia de Bias
Alimentación
Dimensiones
Caja Recomendada

(GB) ESPECIFICATIONS

RADIO AMPLIFIER

Wave Range
— MW : 520-1610 KHz
— FM : 87,5-108,5 MHz
Intermediary Frequency
— AM : 455 KHz
— FM : 10,7 MHz
Output Power : 2 x 15 Watts (RMS)
Output Impedance : 8Ω
Frequency Response : 30-20.000Hz ± 3dB
Input Sensitivity
— Aux : 150 mV/22KΩ
Outputs
— Aux : 150 mV/1MΩ
— Phones : 8-600Ω
Signal/Noise Ratio : > 60dB

RECORD PLAYER

: 06 AF 093/01
Speed : 33 1/3 and 45 r.p.m.
Wow and Flutter : < 0,3% (DIN)
Rumble : -55dB (DIN B)
P.U. Head : Dinamic (4806 693 97050)

TAPE DECK

: ME -1
Tape Speed : 4,76 cm/s. ± 2%
Wow and Flutter : 0,2%
Fast Wind Time : ≤ 115 sec for C60
Frequency Response : DIN 45.511
— Fe : 40 - 10.000 Hz
— Cr : 40 - 12.000 Hz
Distortion : ≤ 4% (0 dB)
Bias and Erase Frequency : 85 KHz ± 15%
Supply : 110/127/220/240V - 60Hz
Dimentions : 420 x 300 x 344 (mm)
Recommended Box : 06 AH 432



Subject to modification
4806 725 17112

Printed in Brazil

PHILIPS

P AJUSTES

RÁDIO/AMPLIFICADOR

1. Corrente de Repouso dos transistores TS501/TS502.
 - Desligar o dissipador dos transistores de saída.
 - Controle de volume no mínimo.

CANAL A

- Desligar o emissor de TS499b e coletor de TS501b.
- Desligar o coletor de TS501a, e ligar em série um miliamperímetro DC.
- Através de R960a ajuste a corrente para 20mA.

CANAL B

- Desligar o emissor de TS499a e coletor de TS501a.
- Desligar o coletor de TS501b, e ligar em série um miliamperímetro DC.
- Através de R960b ajuste a corrente para 20mA.

Obs.: Ao ajustar um canal, o coletor de TS501 e emissor de TS499 do outro canal, deverão necessariamente estar desconectados.

DECK

1. Rotação

- Utilizar "Wow and Flutter Meter".
 - a. Conecte o PM6307 à saída auxiliar (BU1).
 - b. Ajuste a rotação através de R612.

Obs.: A rotação pode variar $\pm 2\%$ e "Wow and Flutter" $\pm 0,2\%$.

2. Corrente de Bias

- a. Sem sinal de entrada.
- b. Chave SK9 no modo Cr (Cromo).
- c. Deck no modo REC.
- d. Ajustar R601 para que a tensão sobre R501 e R502 seja 6mV AC.

Obs.: Se necessário reajuste a corrente de bias da seguinte maneira: (fig. 1).

- Aumentar bias se a alta frequência estiver alta.
- Diminuir bias se a alta frequência estiver baixa.

3. Azimuth da cabeça REC/PLAY

- a. Ligue as saídas "AUX" em paralelo, e conecte um voltímetro a elas.
- b. Reproduza uma fita com gravação de 10KHz.
- c. Ajuste o parafuso "C" (fig. 2) até obter máxima indicação no voltímetro.

4. Indicadores de nível U001a/b.

- a. Deck na posição "PLAY".
- b. Aplique 1,1V (333Hz) via resistor de 47K Ω sobre R501.
- c. Ajuste R583 até que U001a indique 0dB.

Obs.: Repita a operação com o outro canal.

E AJUSTES

RÁDIO/AMPLIFICADOR

1. Corriente de reposo de los transistores TS501/TS502.
 - Desconectar el dissipador de los transistores de salida.
 - Control de volumen al mínimo.

CANAL A

- Desconectar el emisor de TS499b y colector de TS501b.
- Desconectar el colector de TS501a, y conectar en serie un miliamperímetro DC.
- A través de R960a ajuste la corriente para 20mA.

CANAL B

- Desconectar el emisor de TS499a y colector de TS501a.
- Desconectar el colector de TS501a, y conectar en serie un miliamperímetro DC.
- A través de R960 ajuste la corriente para 20mA.

Obs.: Al ajustar un canal, el colector de TS501 y el emisor de TS499 del otro canal deben estar desconectados.

DECK

1. Velocidad

- Utilizar "Wow and Flutter Meter".
 - a. Conecte el PM6307 al enchufe auxiliar (BU1).
 - b. Ajuste la velocidad del motor, a través de R612.

Obs.: La velocidad puede variar $\pm 2\%$ y el "Wow and Flutter" $\pm 0,2\%$.

2. Corriente de Bias

- a. Sin señal de entrada.
- b. Llave SK9 en la posición Cr (Cromo).
- c. Deck en la posición REC.
- d. Ajustar R601 para que la tensión sobre R501 y R502 sea aprox. 6mV AC.

Obs.: Si necesario, reajustar la corriente de bias de la

- Aumentar bias si la alta frecuencia estuvo alta.
- Diminuir bias si la alta frecuencia estuvo baja.

3. Azimuth de la cabeza GRAB./REPR.

- a. Conectar las salidas "AUX" en paralelo y conectar un voltímetro a ellas.
- b. Reproduzca una cinta con una señal grabada de 10KHz.
- c. Ajustar el tornillo "C" (dib. 2) hasta obtener la máxima indicación en el voltímetro.

4. Indicador de nivel U001a/b

- a. Deck en la posición "PLAY".
- b. Suministre una tensión de 1,1V (333Hz) via un resistor de 47K Ω sobre R501.
- c. Ajuste R583 hasta obtener 0dB en la unidad U001a/b.

Obs.: Haga el mismo con el otro canal.

GB ADJUSTS

RADIO/AMPLIFIER

1. Repose current of the output transistors TS501/TS502.
 - Disconnect the heatsink plate of the output transistors.
 - Volume control in the minimum position.

CHANNEL A

- Disconnect the emitter of TS499b and collector of TS501b.
- Disconnect the collector of TS501a, and connect a milliamperemeter DC.
- Through the R960a, adjust the repose current for 20mA.

CHANNEL B

- Disconnect the emitter of TS499a and collector of TS501a.
- Disconnect the collector of TS501b, and connect a milliamperemeter DC.
- Through the R960b, adjust the repose current for 20mA.

Obs.: To adjust one channel, the collector of TS501 and the emitter of TS499 of the other channel must be disconnected.

DECK

1. Speed
 - Use a "Wow and Flutter Meter".
 - a. Connect it to the auxiliar output.
 - b. Through R612 adjust for:
 - Speed $\pm 2\%$.
 - Wow and Flutter $\pm 0,2\%$.
2. Bias Current
 - a. Without input signal.
 - b. SK9 switch in Cr mode.
 - c. Deck in REC mode.
 - d. Through R601, adjust the voltage across R501 and R502 for 6mV AC.

Obs.: If necessary make a reajust in bias current as follow: (fig. 1).

- Increase bias current if the high frequency level is high.
- Decrease bias current if the high frequency level is low.

3. Azimuth - REC/PLAY head

- a. Connect "AUX" and put (R and L) in parallel.
- c. Reproduce a cassette with 10KHz signal.
- d. Adjust "C" screw (Fig. 2) to obtain a maximum indication in voltmeter.

4. Level indicators U001a/b

- a. Deck in PLAY mode.
- b. Through a $47K\Omega$ resistor, apply 1,1V across R501.
- c. Through R583, adjust to obtain 0dB in U001a.

Obs.: The adjust is the same for bath channels.

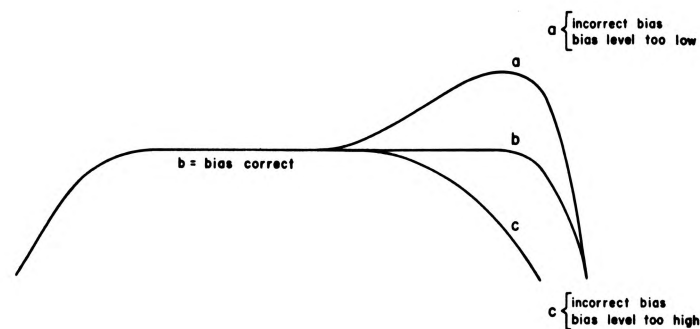


Fig. 1

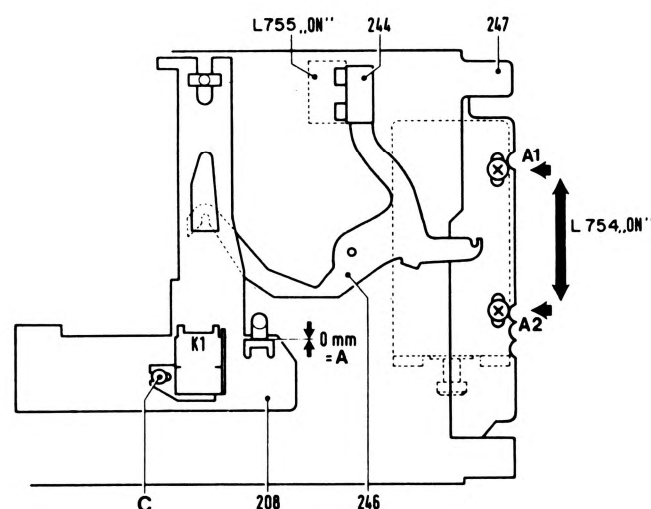


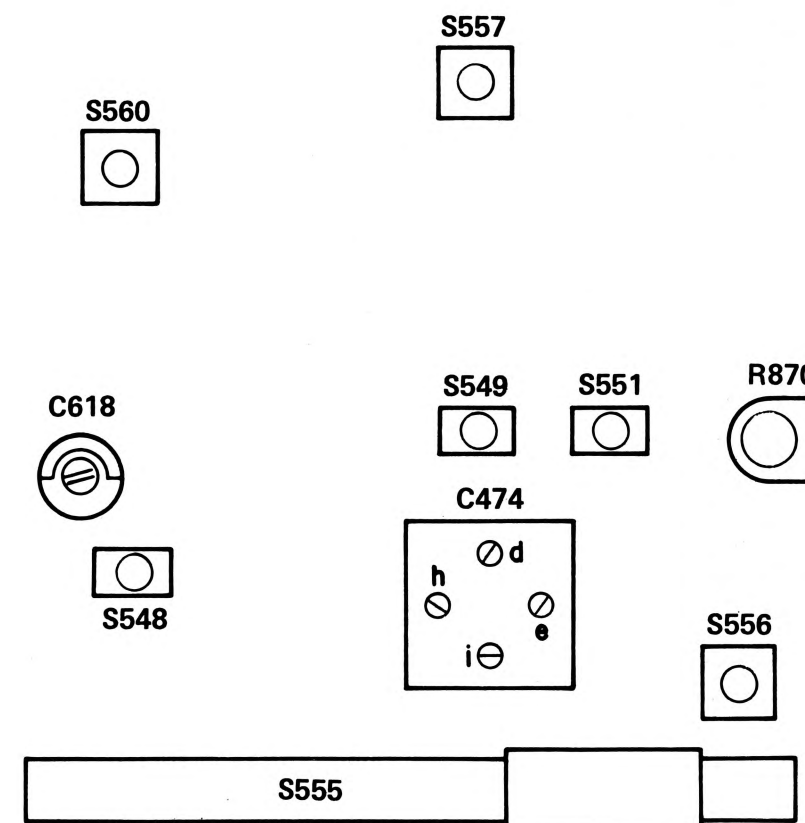
Fig. 2

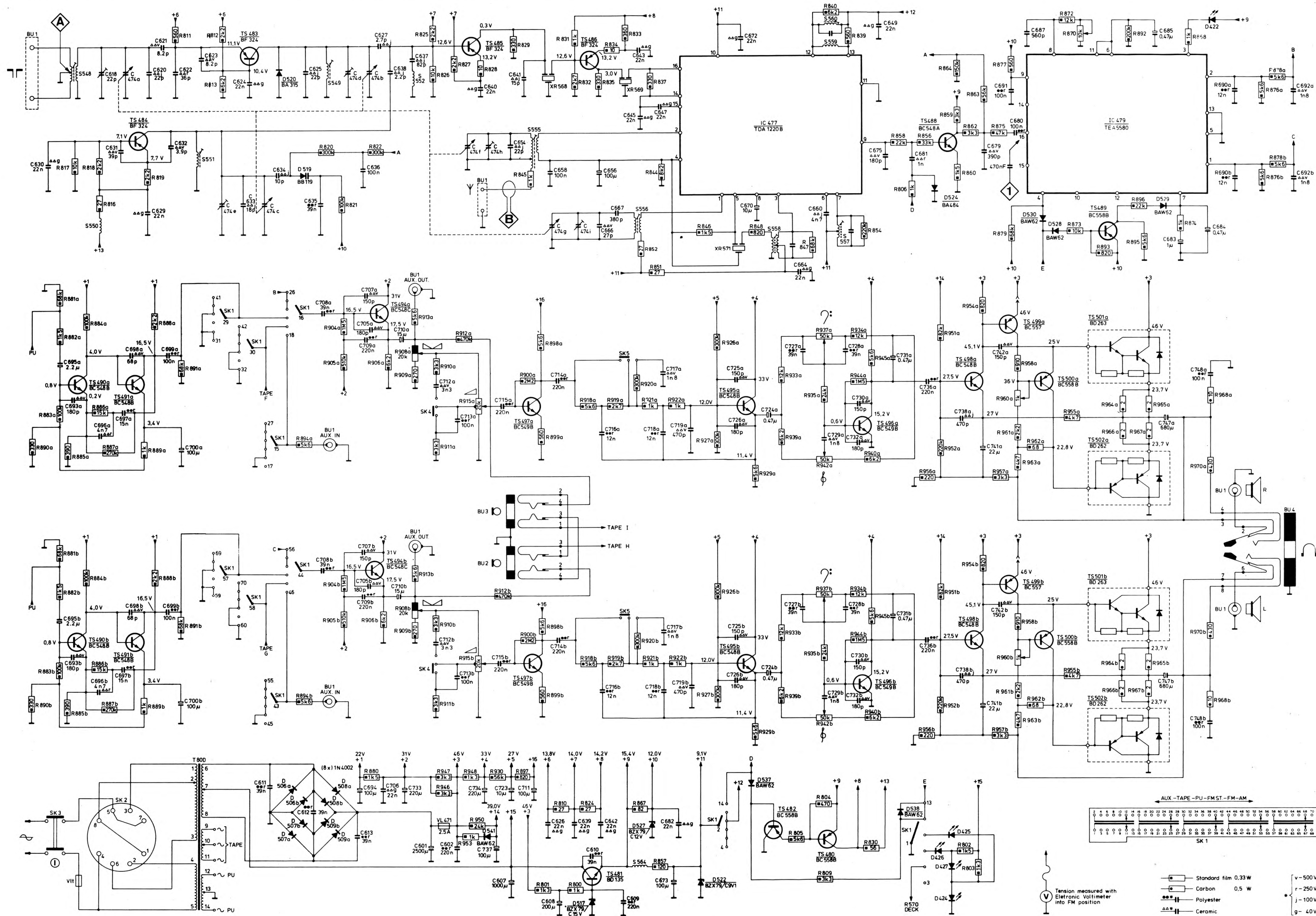
AM and FM Adjusts (IF - RF)

SK ...						
AM 520 a 1605 KHz	515KHz		máx. cap.	S556		 máx. ind.
	1622KHz		min. cap.	C474i		
	550KHz			S555		
	1500KHz			C474h		
FM 87,5 a 108,5 MHz	87,2MHz		máx. cap.	S551		Adjust for Linearity and simmetry of the "S" curve.
	108,5MHz		min. cap.	C474e		
	88MHz			S548/S549		
	108MHz			C618/C474d		
	98MHz			S560		

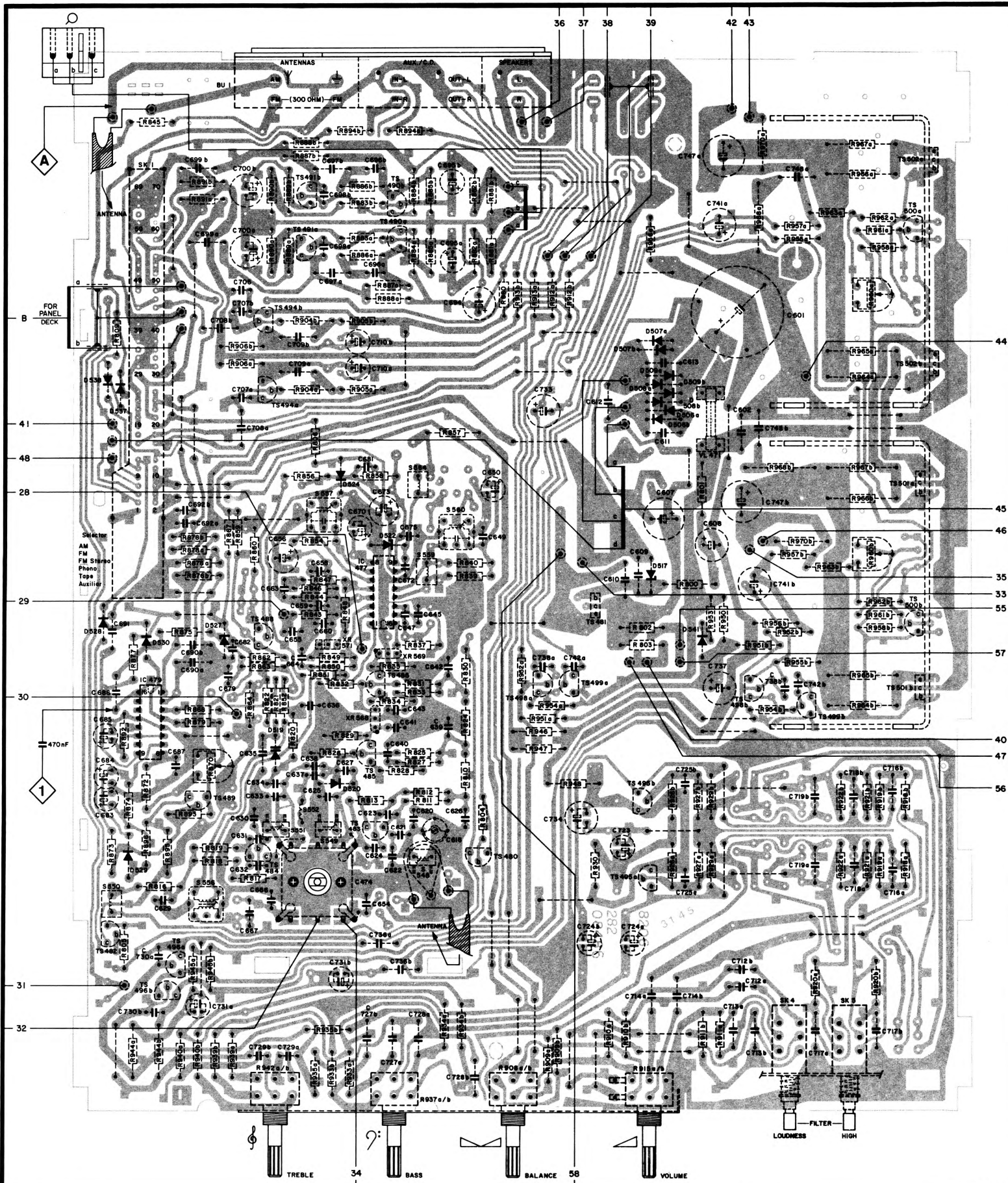
STEREO DECODER

FM	No Signal			R870		Frequency counter 8-IC479 228KHz
----	--------------	--	--	------	--	--

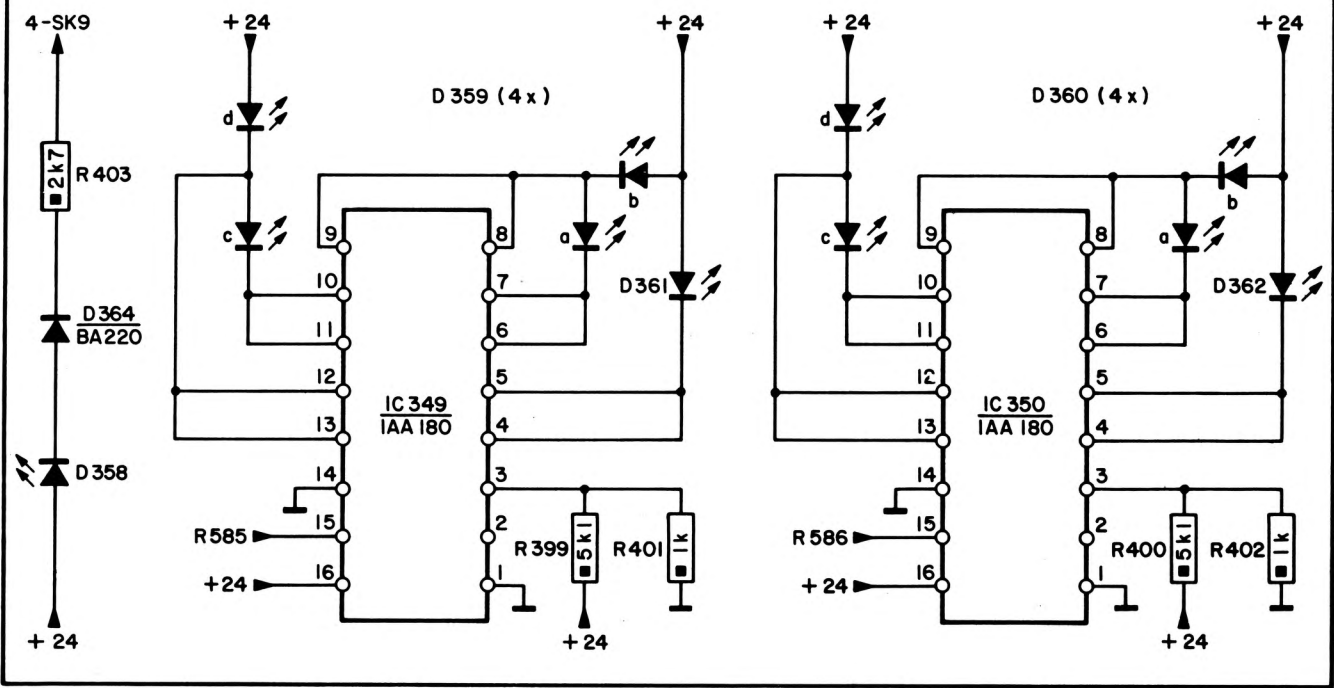


[illegible]

TS-IC	482	IC 479	496ab	489	488	494ab	484	491ab	483	IC 477	485	486	490ab	480	498a	481	499a	495ab	498b	499b	500ab	501ab	502ab											
S	550			556		551	552	557	549		564	548	559	560									555											
D	528	537	530			519	524	522							508a	509a	508ab	509b					427											
B	538	529		527		520									507b	517	507a	541	508b				424											
C		685	629	687	667	679	666	633	655	638	660	474	727b	673	696ab	696ab	641	647	648	626														
C		683	691	692ab	630	708ab	700ab	634	664	637	658	731b	736a	710ab	640	620	675	643	618	650	733	610	607	613	608	738b	742b	716b						
C			730ab	731a	699ab	632	682	706	635	656	659	625	636	623	681	727a	736b	672	639	690ab				734	724b	724a	714b	737	602	747b	747ab	719ab		717b
C		684	686	690ab	631	707ab	729ab	663	709ab	627	654	624	670	621	622	728	642	694	728b	649	738a	742a	723	714a	725ab	741a	712ab		748a		718ab			
R		809	877	940ab	868	818	860	821	847	935ab	850	905ab	883ab	828	811	812	830	804	952a	954a				915ab	927ab	951b	956b	922ab	921ab	960ab				
R		892	845	876ab	879	939ab	864	822	846	904ab	832	933ab	834	837	937ab	840	882ab	881ab	951a	930			800	801	950	954b	957ab	967ab	958ab					
R		873	872	878ab	893	819	859	817	852	844	806	851	886ab	888ab	835	825	857	839	908ab	946			802	929ab	968b	952b	963ab	966ab	961ab	918ab				
R		874	896	895	875	870	906ab	863	890ab	820	856	826	848	858		831	833	824	810	913ab	912ab	948	803	926ab	953	970a	955ab	965ab		919ab				
R		805	944ab	896	891ab	943ab	867	862	942ab	889ab	854	829	849	813	834a	827	934ab	885ab	880	947	909ab	910ab		956a	911ab	968a	970b	920a	964ab	962ab	920b			



U 001 – LED BAR



IC 463

PIN	PLAY	WIND	REWIND
1	8,0	8,0	8,0
2	15,0	15,0	15,0
3	11,0	11,0	11,0
4	15,0	15,0	15,0
5	8,0	8,0	8,0
6	13,0	13,0	13,0
7	13,0	8,0	8,0
8	13,0	8,0	8,0
9	15,0	15,0	15,0
10	15,0	15,0	15,0
11	15,0	15,0	15,0
12	15,0	15,0	15,0

PIN	PLAY	WIND	REWIND
13	15,0	15,0	15,0
14	12,0	12,0	12,0
15	12,0	12,0	12,0
16	8,0	8,0	8,0
17	8,0	8,0	8,0
18	8,0	8,0	8,0
19	8,0	8,0	10,5
20	10,5	10,5	8,0
21	8,0	8,0	8,0
22	15,0	8,0	15,0
23	8,0	15,0	15,0
24	15,0	15,0	15,0

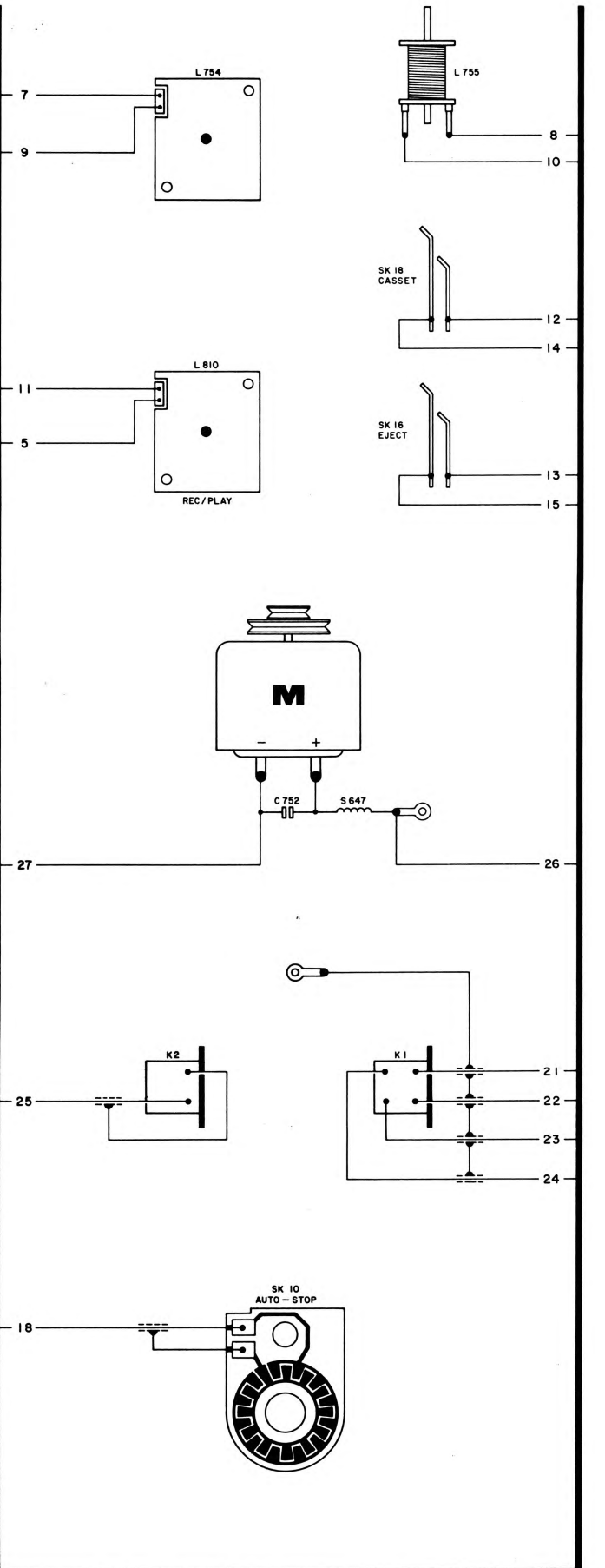
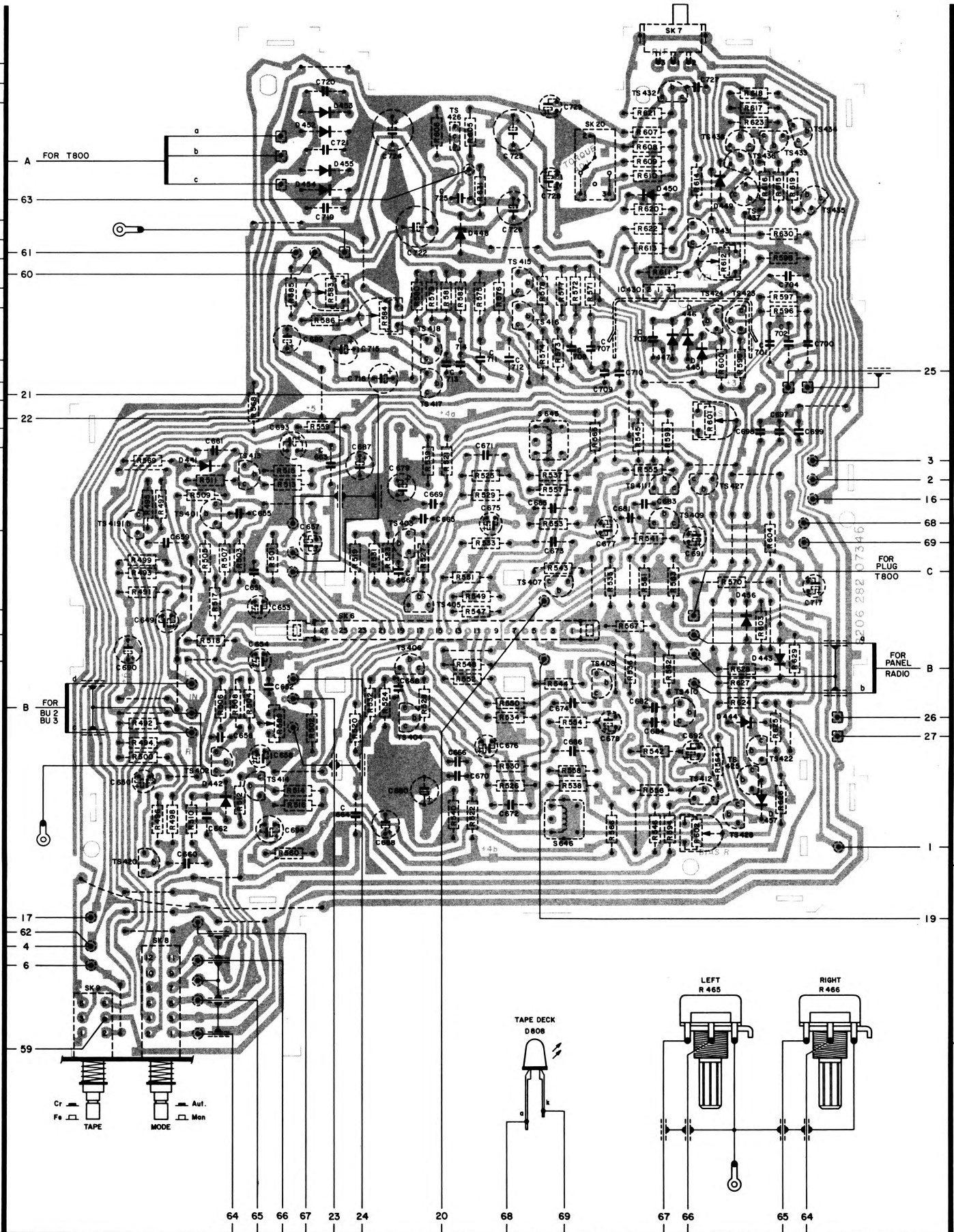
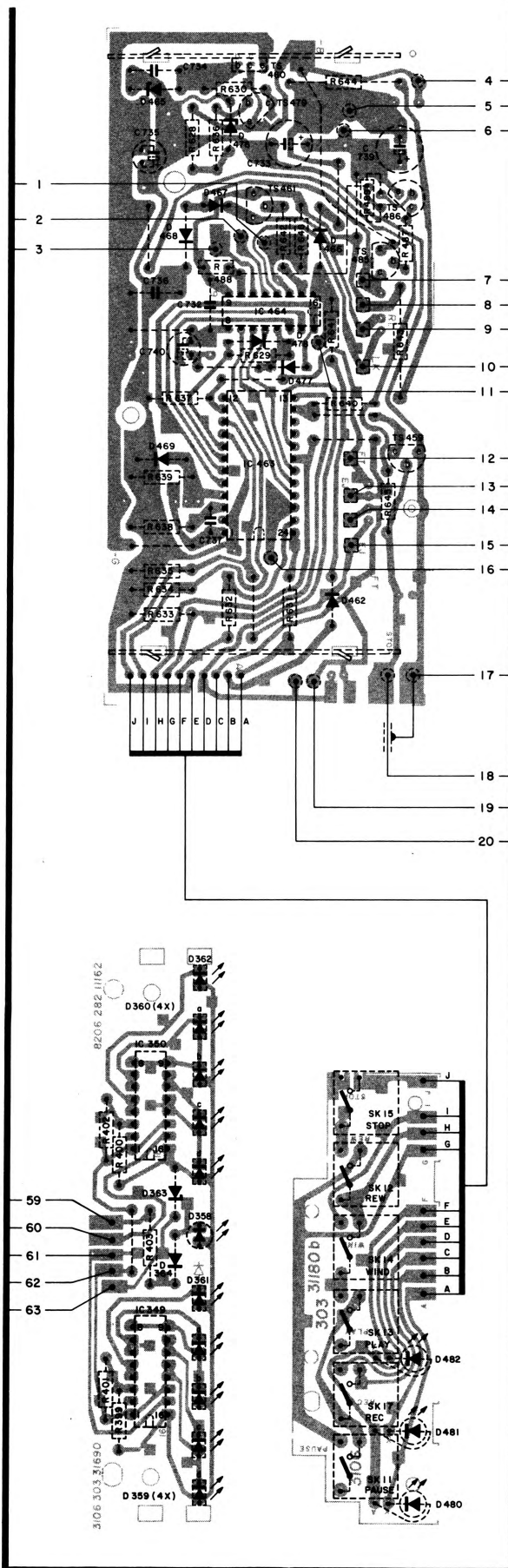
IC 464

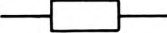
PIN	PLAY	WIND	REWIND	REC
1	8,0	8,0	8,0	15,0
2	12,5	12,5	12,5	10,0
3	12,5	8,0	8,0	10,0
4	12,5	8,0	8,0	10,0
5	8,0	8,0	10,0	10,0
6	10,0	10,0	8,0	10,0
7	8,0	8,0	8,0	10,0
8	8,0	8,0	8,0	10,0

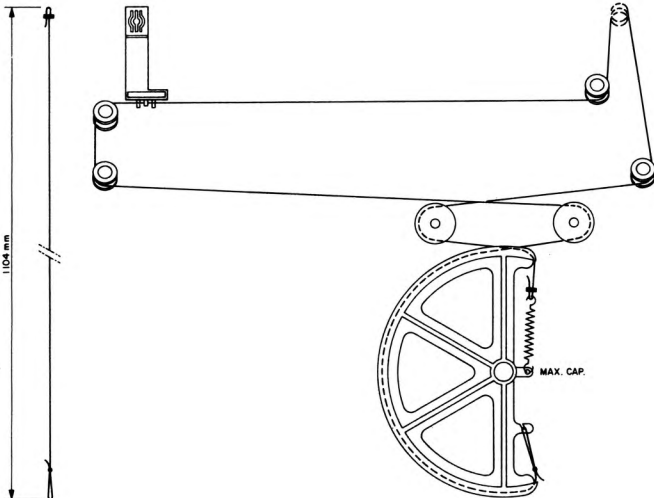
PIN	PLAY	WIND	REWIND	REC
9	33,0	33,0	33,0	33,0
10	16,0	16,0	16,0	10,0
11	8,0	8,0	15,0	17,0
12	15,0	14,0	8,0	17,0
13	8,0	33,0	33,0	33,0
14	8,0	27,0	27,0	33,0
15	8,0	8,0	8,0	36,0
16	14,0	14,0	14,0	11,0

TS	PLAY			WIND			REWIND		
	E	B	C	E	B	C	E	B	C
431	11,4	3,4	12,3	10,5	11,0	10,5	9,0	9,5	8,8
432	16,5	16,5	0	16,0	15,5	16,0	15,5	14,4	15,3
433	15,9	16,4	3,3	15,5	15,5	2,2	14,5	13,5	14,3
434	16,5	16,0	11,2	15,6	15,2	9,0	15,2	14,4	15,2
435	11,3	12,0	11,2	8,8	9,5	8,8	7,5	0,3	15,0
436	16,5	15,7	16,4	15,5	14,7	15,5	17,5	17,0	6,5
437	11,1	3,4	16,5	10,0	10,5	10,0	8,0	8,3	7,2
438	15,8	15,1	15,7	14,9	14,0	14,6	15,0	15,5	1,6

TS - IC	IC349-IC350-IC463-IC464	486	419	401	413	403-406-417-405	407-416	IC430-432-410-412-438-425-423-436-433-434
TS - S	460-461-479	485-459	420	402	414	404-426-418	415-5645-5646-408-411	409-431-424-427-428-437-422-435
D	465-468-361-364-476	478-466-480-481		441	452-453		808	447-446-444-443
D	360-359-469-358-467	477-462-482		442	454-455			450-445-449-456-457
C	740-734	739		649	661-651-655-658-694-663-664	679-680-669-666-711-675-723	673-729-707-709-681-684-691	701-704-700
C	736-732	733		690	656-693-652-689-719-721-716-688-667-722-665-715-670-712-726	687-715-724-668-725-714-671-676-672-685-674	677-703-683	727-697-699
C	735	737		650	659-662	654-653-657-720	687-715-724-668-725-714-671-676-672-685-674	677-703-683
R	399-638-628	629	644-487	492-569	509	589-514-583	532-527-547-551-533-534	537-571-572-565-545-620-622-563
R	400-639-637	630	641-643	494-495	510-517-512	501-516-586-520-584	528-540-631-530-574-557-554	536-561-613-662-448-564-624-603-626-619
R	401-633	632	646-645	500-499	498	518-508-568	560-585	519-523
R	402-634	488	631-489	493-497	511-507-504	513-559	524	606-522-525
R	403-635	636	642-640	491-496	505-506-503	515-502	531-579-582	539-546-552-529-576
							573	544-577
							535	546-607-611
							602	612-623-604-598



					
IC 349/350	IAA 180	4806 209 87087	C474	Varco	4806 125 47003
IC 430	TDA 1059B	4806 209 87043	C601	Elco 2500 uF x 50V	4806 124 27235
IC 463	COP 410L	4806 209 87077	C607	Elco 1000 uF x 25V	4806 124 27084
IC 464	L 203	4806 209 87078	C608/733/4	Elco 220 uF x 40V	4806 124 27236
IC 477	TDA 1220A	4806 209 87075	C618	Trimmer 22 pF	4806 125 57003
IC 479	TEA 5580	4806 209 87204	C650	Elco 4,7 uF x 40V	4806 124 27237
IC 477	TDA 1220B	4806 209 87203	C656	Elco 100 uF x 10V	4806 124 27238
			C668	Sty 380 pF x 160V	4806 120 37071
TS401/2/3/4	BC 549C	4806 130 47045	C670	Elco 10 uF x 16V	4806 124 27075
TS419/20	BC 548B	4806 130 47041	C673/94/700	Elco 100 uF x 25V	4806 124 27217
TS405/6/31	BC 548B	4806 130 47041	C677	Elco 68 uF x 16V	4806 124 27211
TS407/8/9/10/22	BC 548	4806 130 47039	C695	Elco 2,2 uF x 63V	4806 124 27115
TS415/6/7/8/25	BC 548C	4806 130 47042	C710	Elco 15 uF x 25V	4806 124 27239
TS411/2/3/4	BC 547	4806 130 47035	C723	Elco 10 uF x 40V	4806 124 27240
TS423	BC 557	4806 130 47036	C724/31	Elco 0,47 uF x 63V	4806 124 27241
TS424	BC 338	4806 130 47031	C737	Elco 100 uF x 50V	4806 124 27242
TS426/7/8/35/7	BC 558B	4806 130 47050	C741	Elco 150 uF x 40V	4806 124 27232
TS432	BC 558	4806 130 47048	C747	Elco 680 uF x 35V	4806 124 27213
TS433/8/59	BC 328	4806 130 47028	C691/2/53	Elco 2,2 uF x 63V	4806 124 27115
TS434/6/61	BD 434	4806 130 47117	C654/7/8		
TS460	BC 635	4806 130 47168	C675/6/7/8	Elco 10 uF x 40V	4806 124 27240
TS481	BC 548B	4806 130 47041	C715/6/29		
TS482/90/1/5/6/8	BC 548B	4806 130 47041	C679/80	Elco 100 uF x 25V	4806 124 27217
TS500	BF 324	4806 130 47088	C687/8/9/90	Elco 100 uF x 25V	4806 124 27217
TS483/4/5/6	BC 548A	4806 130 47040	C693/4	Elco 47 uF x 16V	4806 124 27244
TS488	BC 548C	4806 130 47042	C717	Elco 47 uF x 10V	4806 124 27210
TS494	BC 557	4806 130 47046	C722	Elco 470 uF x 35V	4806 124 27212
TS499	BD 263	4806 130 47068	C723/4	Elco 1000 uF x 25V	4806 124 27084
TS501a/b	BD 262	4806 130 47067	C728	Elco 33 uF x 16V	4806 124 27218
VARIOUS					
XR568/9	10,7MHz Cer. filter	4806 242 77003	R465/6	Pot. 50KΩ	4806 101 27071
XR571	455KHz Cer. filter	4806 242 77013	R583/4	Trimpot 4K7	4806 100 17041
K1	REC/PLAY Head	4806 249 17024	R601/2	Trimpot 47KΩ	4806 100 17055
K2	Erase Head	4806 249 47015	R612	Trimpot 470Ω	4806 100 17038
M	Motor deck	4806 361 27029	R865/70/960	Trimpot 4K7	4806 100 17041
VL471	Fuse 2,5A	4806 253 27020	R908	Pot. bal. 20KΩ	4806 101 27069
			R915	Pot. Vol. 20KΩ log	4806 101 37026
			R937/42	Pot. Bass/Treble 50KΩ	4806 101 17070
					
O359/360	LED RET. GREEN	4806 130 37227	S548		4806 156 27072
D361	LED RET. RED	4806 130 37232	S549		4806 156 27073
D422/4/5/6	LED RED	4806 130 37167	S550		4806 157 47044
D441/2/3	BA 220	4806 130 37011	S551		4806 156 37019
D444	BZX79/C6V2	4806 130 37051	S552		4806 158 27002
D445/6/7/538			S555		4806 156 27093
D520/4/5/8/9	BA 315	4806 130 37015	S556		4806 156 37020
D448	BZX79/C24V	4806 130 37168	S557		4806 153 17039
D449/59	BA 317	4806 130 37017	S558		4806 156 17023
D462/9			S559		4806 157 47014
D452/3/4/5			S560		4806 153 57008
D466/7/8	1N 4002	4806 130 37076	S564		4806 157 47044
D511/2/3/4			S645/6		4806 156 27015
D517	BZX79/C15V	4806 130 37044	L754		4806 281 17002
D519	BB119	4806 130 37094	L755		4806 281 17003
D522	BZX79/C9V1	4806 130 37055	L800		4806 146 37008
D527	BZX79/C12V	4806 130 37042	L810		4806 281 17004
D530/2/3/4/41	BAW62	4806 130 37005			



P

Conjunto caixa
Base de fix. do deck
Base de fix. do toca disco
Conjunto frente - rádio
Suporte frontal - rádio

Conjunto frente - deck
Suporte frontal - deck
Tampa cassette
Lente do contador
Suporte para chaves de funções - deck

Escala impressa
Tampa acrílica
Amortecedor para pé
Dobradiça
Placa da dobradiça

Pino da dobradiça
Parafuso da dobradiça
Guia de fixação - teclas "filters"
Tecla "filters" - high/loudness
Tecla "ON/OFF"

Tecla "EJECT"
Tecla "AUT/MAN" - "Cr/Fe"
Tecla function (pause . . . stop)
Botão (volume . . . selector)
Botão sintonia

Botão nível de gravação
Ponteiro
Tambor de sintonia
Polia de tração (pequena)
Polia de tração (grande)

Chave "SELECTOR" - SK1
Chave "ON/OFF" - SK3
Chave "HIGH/LOUDNESS" - SK4/SK5
Chave "REC/PLAY" - SK6
Chave de função (SK11 . . . SK17)

Chave "AUT/Cr" - SK9
Chave "RIF" - SK7
Mola para teclas "HIGH/LOUDNESS"
Mola para fusível
Mola de tração

Soquete "PHONES" - BU4
Soquete "MIC" - BU 2/3
Placa com soquetes - BU 1
Contagiros e "AUTOSTOP"
Capa para chaves (SK11 . . . SK17)

Cabo de rede
Parafuso ornamental - tampa cassette
Suporte (tecla "HIGH/LOUDNESS")
Comutador de tensão
Eixo de sintonia

E

Conjunto caja
Base de fij. del deck
Base de fij. del toca disco
Conjunto frente - rádio
Soporte frente - rádio

Conjunto frente - deck
Soporte frontal - deck
Tapa cassette
Lente del contador
Soporte para llaves de función - deck

Placa dial
Tapa acrílica
Amortiguador para pata
Bisagra
Placa de la bisagra

Pino de la bisagra
Tornillo de la bisagra
Guia de fijación - teclas "filters"
Tecla "filters" - high/loudness
Tecla "ON/OFF"

Tecla "EJECT"
Tecla "AUT/MAN" - "Cr/Fe"
Tecla función (pause . . . stop)
Botón (volume . . . selector)
Botón sintonia

Botón nivel de grabación
Aguja del dial
Tambor de sintonia
Polea de tracción (menor)
Polea de tracción (mayor)

Llave "SELECTOR" - SK1
Llave "ON/OFF" - SK3
Llave "HIGH/LOUDNESS" - SK4/SK5
Llave "REC/PLAY" - SK6
Llave de función (SK11 . . . SK17)

Llave "AUT/Cr" - SK9
Llave "RIF" - SK7
Resorte para teclas "HIGH/LOUDNESS"
Resorte para fusible
Resorte de tracción

Zócalo "PHONES" - BU4
Zócalo "MIC" - BU 2/3
Placa con zócalos - BU 1
Contador y "AUTOSTOP"
Cobertura para llaves (SK11 . . . SK17)

Cable de red
Tornillo ornamental - tapa cassette
Soporte (tecla "HIGH/LOUDNESS")
Llave selectora de tensión
Eje de sintonia

GB

Cabinet assy 4806 425 47018
Base to fix deck 4806 426 97030
Base to fix record player 4806 426 47014
Front assy - radio 4806 454 57019
Front support - rádio 4806 464 77014

Front assy - deck 4806 450 67033
Front support - deck 4806 402 67181
Cassete cover 4806 443 67093
Counter lens 4806 381 17045
Function switch support - deck 4806 402 67146

Dial escape 4806 381 17060
Acrylic cover 4806 444 67008
Foot damper 4806 462 47008
Hinge 4806 417 17060
Hinge plate 4806 404 67020

Hinge pin 4806 417 17058
Hinge screw 4806 502 17172
Fixation guide - "filters" push-buttons 4806 532 57104
"Filters" push-button - high/loudness 4806 410 47030
"ON/OFF" push-button 4806 410 27210

"EJECT" push-button 4806 410 27212
"AUT/MAN" - "Cr/Fe" push-button 4806 410 27211
Function push-button (pause . . . stop) 4806 410 27214
Button (volume . . . selector) 4806 413 37126
Tuning button 4806 413 57045

Record level button 4806 413 37126
Pointer 4806 450 87079
Tuning drum 4806 528 87080
Traction pulley (small) 4806 528 87078
Traction pulley (large) 4806 528 87079

"SELECTOR" switch - SK1 4806 273 87002
"ON/OFF" switch - SK3 4806 276 17026
"HIGH/LOUDNESS" - SK4/SK5 4806 270 17002
"REC/PLAY" switch - SK6 4806 277 67009
Function switch (SK11 . . . SK17) 4806 277 27033

"AUT/Cr" switch - SK9 4806 276 17055
"RIF" switch - SK7 4806 277 27034
"HIGH/LOUDNESS" push-button spring 4806 492 57116
Fusible contact spring 4806 492 67162
Traction spring 4806 492 37130

"PHONES" socket - BU4 4806 267 47041
"MIC" socket - BU 2/3 4806 267 47042
Socket plate - BU 1 4806 267 47043
Counter and "AUTOSTOP" 4806 349 57020
Switch cover (SK11 . . . SK17) 4806 410 27213

Mains flex 4806 321 17022
Ornamental screw - cassette cover 4806 502 17227
Support (tecla "HIGH/LOUDNESS") 4806 404 67075
Voltage selector switch 4806 272 17019
Tuning spindle 4806 535 97121

TS - S.	S548-S550-490a b-491a b - 484	S551	-	483	S549	-	494a b	S552	-	485	-	S555	486	-	481	-	S564-S556	495a b	-	482	-	S560-S559-S557-480-496a b	-	488	-	498a b	-	499a b	-	500a b-501a b-502a b - 489																					
IC - D.	520-519-506a b-509a b	541	IC 477	-	522	537	538-424-427-524	530	-	528	-	IC 479	-	529	-	422	692a b																																		
C	695a b-696a b-698a b-474a	-	620-699a b-622	-	623	-	624	-	611	-	634	-	635-708a b-613-707a b-474b-627-638-733-637	-	602-713a b-734-474b-607-641-640-654-608-655	-	639-642-718a b-658-660-656-643-647-682	670-650	-	664	-	728a b	-	649-731a b-681	-	738a b	-	691-742a b	-	687	-	683-685	-	684	-	692a b															
C	630	-	697a b-618-631	-	629-621-632-700a b	-	474e-633	-	474c	-	612	-	625	-	474d-709a b-636	-	710a b-601-706-712a b-474f-737-640-714a b-723-716a b-626-474g	-	474i-610-717a b-666-667-609-645-719a b-673	663-725a b-672-724a b-727a b	-	729a b	-	730a b	-	675	-	736a b	-	679-741a b-686	-	958a b	-	955a b	-	966a b	-	967a b	-	868	-	876a b									
R	883a b-817	-	886a b	-	889a b	-	813	-	904a b	-	822	-	825	-	911a b-912a-948	-	912b	-	801	-	831	-	832-921a b	-	867-852-837	-	926a b	-	847	-	933a b-935a b-937a b	-	938-830	-	806	-	864	-	952a b-954a b-803	-	958a b	-	955a b	-	966a b	-	967a b	-	868	-	876a b
R	881a b-884a b-816	-	888a b-811	-	812	-	905a b	-	909a b-913a b-826-827-950-953-930	-	845-918a b-810-843	-	920a b-834	-	833-844-857	-	848	-	848-929a b-805-850-854	-	840-930a b-834a b-945a b	-	856-956a b-802-863-862-877-957a b-963a b	-	872-870	-	893	-	892-895-965a b-874	-	968a b	-	878a b																		
R	890a b-882a b-885a b-818-887a b	-	819	-	891a b	-	894a b-820	-	821	-	906a b-908a b-946-947-910a b-915a b-828	-	829	-	919a b-800-824	-	835	-	922a b-851	-	927a b	-	849	-	939a b-804-942a b	-	944a b-940a b-858	-	859-951a b-860-875-879-960a b	-	962a b	-	873	-	964a b-896	-	970a b														

