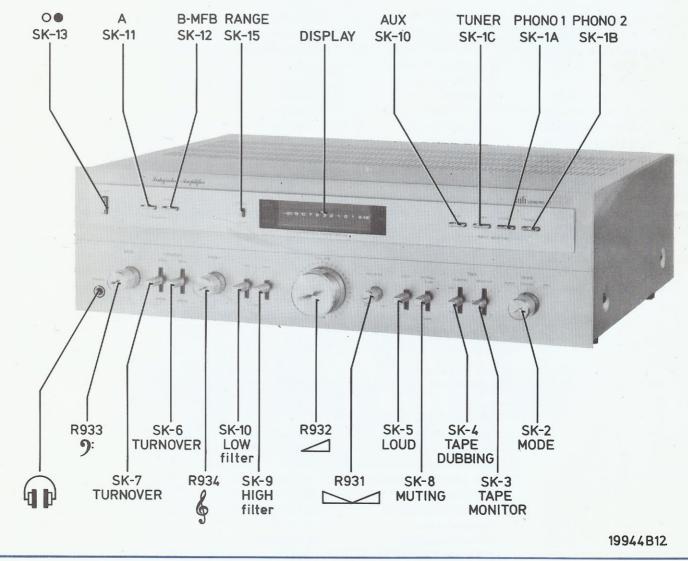
Hi-Fi A 6396

12/13/14/15/24/29/33



# Service Manual



Documentation Technique Service Dokumentation Documentazione di Servizio Huolte-Ohje Manual de Servicio Manual de Serviçio

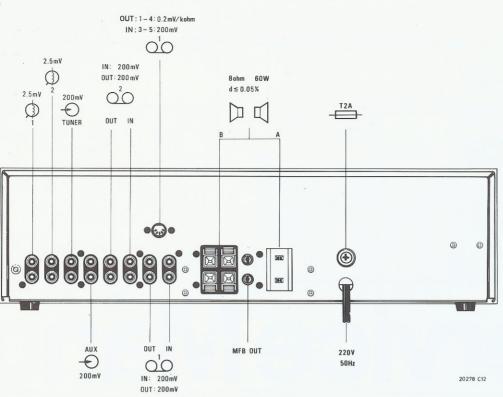
Subject to modification 4822 725 13666 Printed in The Netherlands

GB)

NL

F

DS



#### (GB)

Supply voltage: 11Dimensions: 44Input sensitivity phono 1+2: 2.Tuner - Aux - Tape 1+2: 20Output IEC 581: 22 $63-12.500 \text{ Hz D} \leq 0.7\%$ : 22Output impedance: 4Headphone impedance: 8MFB output: 1

: 110 - 220 V AC : 450x132x330 mm : 2.5 mV (47 kohm) : 200 mV (50 kohm) : 2x65 W (8 ohm) : 2x80 W (4 ohm) : 4 - 16 ohm : 8 - 600 ohm : 1 V

For more detailed technical specifications please consult commercial documentation

#### F

Tension d'alimentation : 110 - 220 V AC : 450x132x330 mm Encombrement Sensibilité d'entrée phono 1+2 : 2.5 mV (47 kohm) Adaptateur-magnètophone-Aux-1+2 : 200 mV (50 kohm) Sortie IEC 581 : 2x65 W (8 ohm) 63-12.500 Hz D ≤ 0.7% : 2x80 W (4 ohm) Impedance de sortie : 4 - 16 ohm Impedance casque d'encoute :8-600 ohm MFB sortie :1V

Pour l'obtention de données techniques plus détaillées veuillez consultez la documentation commerciale

SMatningsspänningDimensionerIngångskänslighet Grammofon 1+2Tuner - Aux - Bandspelare 1+2Uteffect IEC 58163-12.500 Hz D  $\leq 0.7\%$ UtgångsimpedansHörtelefonimpedansMFB Utgång

# NL

Voedingsspanning	:
Afmetingen	:
Ingangsgevoeligheid phono 1+2	:
Tuner - Aux - Tape 1+2	:
Uitgang IEC 581	:
63-12.500 Hz D ≤ 0.7%	:
Uitgangs impedantie	:
Hoofdtelefoon impedantie	:
MFB uitgang	:

: 110 - 220 V AC : 450x132x330 mm : 2.5 mV (47 kohm) : 200 mV (50 kohm) : 2x65 W (8 ohm) : 2x80 W (4 ohm) : 4 - 16 ohm : 8 - 600 ohm : 1 V

Voor meer uitgebreide technische specificaties gelieve de commerciële dokumentatie te raadplegen

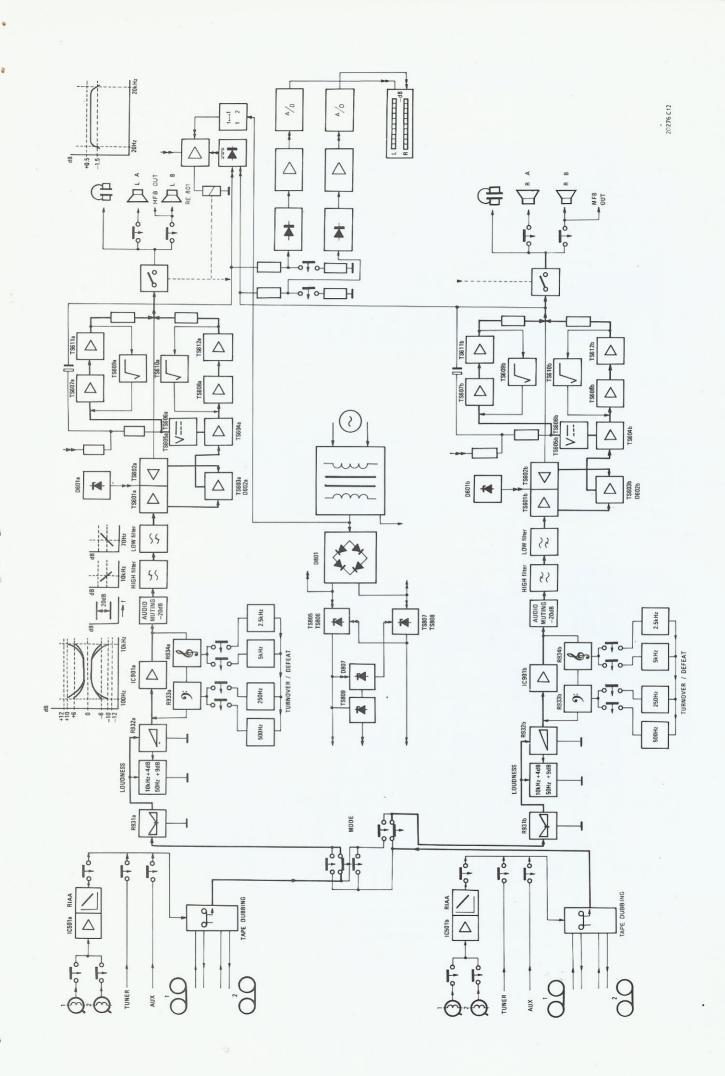
#### (D)

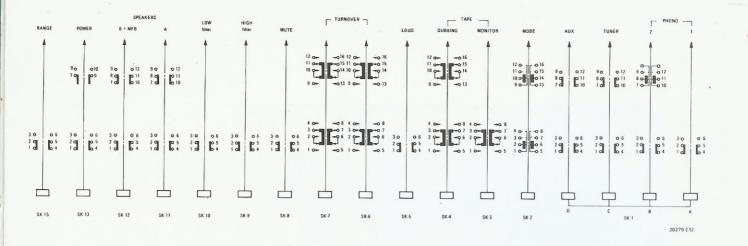
Speisespannung	: 110 - 220 V AC
Abmessungen	: 450x132x330 mm
Eingangsempfindlichkeit Phono 1+2	: 2.5 mV (47 kohm)
Tuner- Aux - Tape 1+2	: 200 mV (50 kohm)
Ausgangsleistung IEC 581	: 2x65 W (8 ohm)
63-12.500 Hz D ≤ 0.7%	: 2x80 W (4 ohm)
Ausgangsimpedanz	: 4 - 16 ohm
Kopfhörer - Impedanz	: 8 - 600 ohm
MFB Ausgang	: 1 V

Für eine mehr detaillierte technische Spezifikation verweisen wir auf die kommerziele Dokumentation

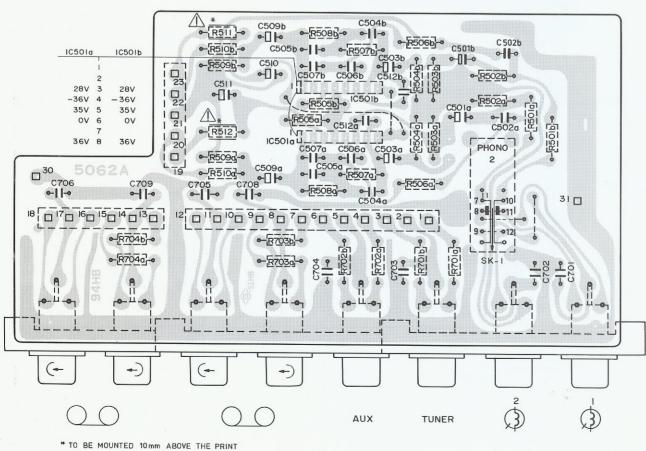
: 110 - 220 V AC : 450x132x330 mm 2 : 2.5 mV (47 kohm) : 200 mV (50 kohm) : 2x65 W (8 ohm) : 2x80 W (4 ohm) : 4 - 16 ohm : 8 - 600 ohm : 1 V

För mera detaljerade tekniska data se kommersiel dokumentation



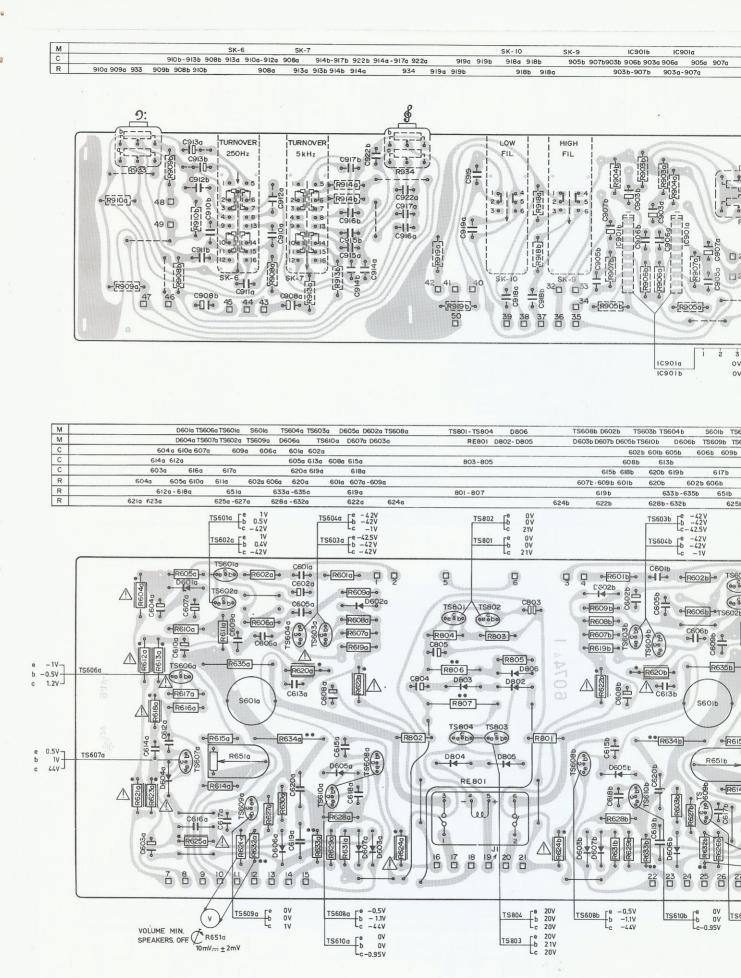


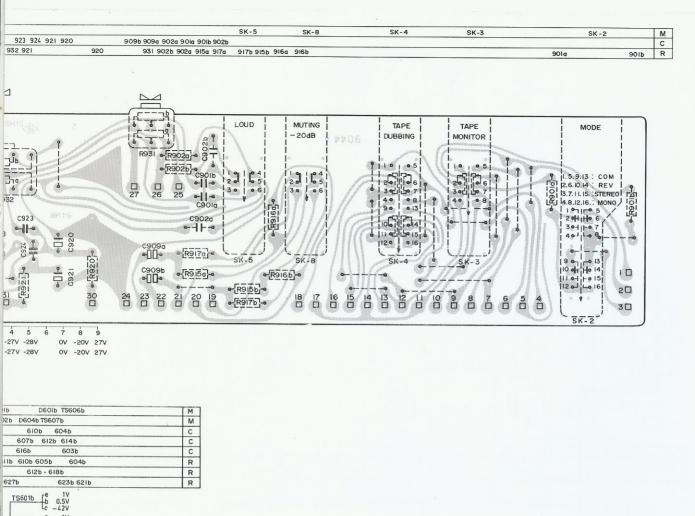
M	1					105010	1C501b	)		SK-I			M
C	706		705 5	11	510 509b	5	03b - 507b	512b	501b	502b			C
C		709		708	509a	704 5	03a - 507a	512a 703	50la	502a	702	701	C
R		704b	509b	5IOb 511	703b	508b 505b	702b 507b	70 lb 504b 503	b 506b	502b	50		R
R		704a	510a	509a 512				701a 504a 506		502a	50 la		R

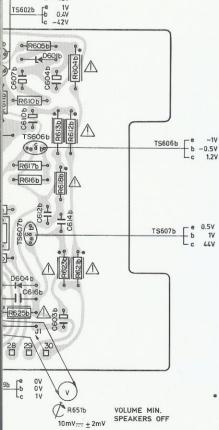


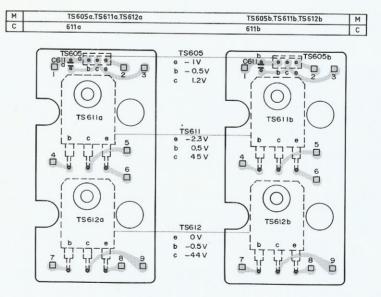
D IOTHIN ABOVE THE PRINT

20280 C12



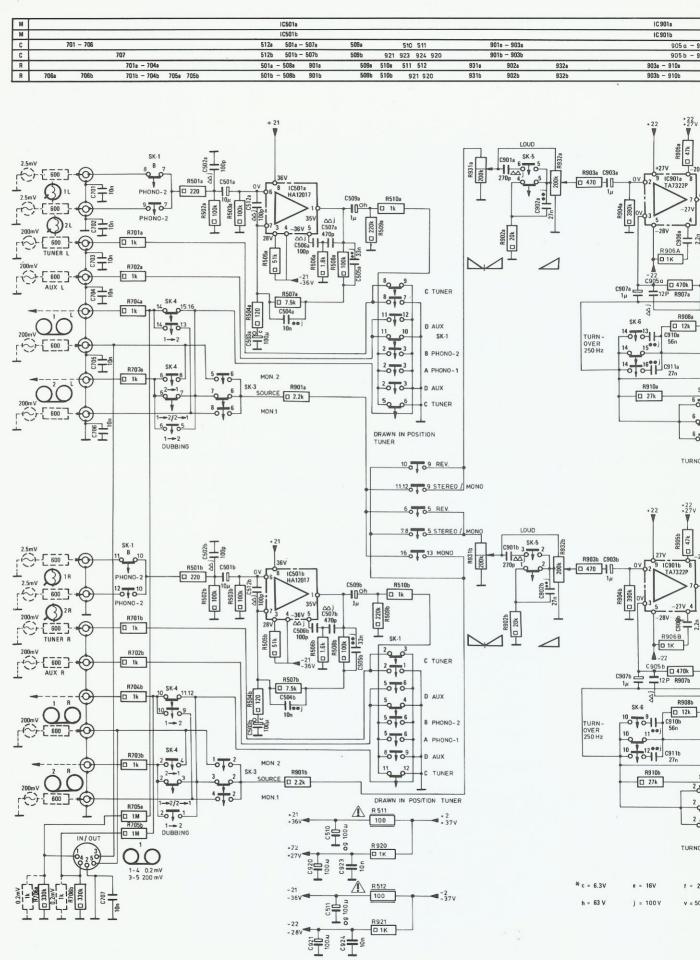




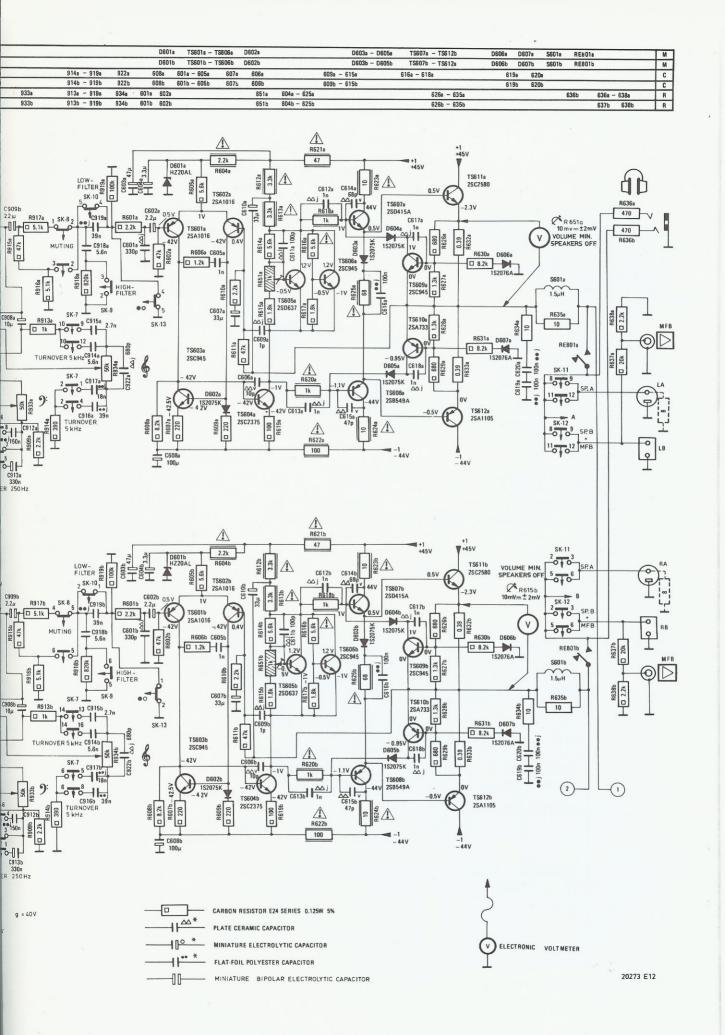


• TO BE MOUNTED 10mm A BOVE THE PRINT. • • TO BE MOUNTED 15mm A BOVE THE PRINT.

20274 E12

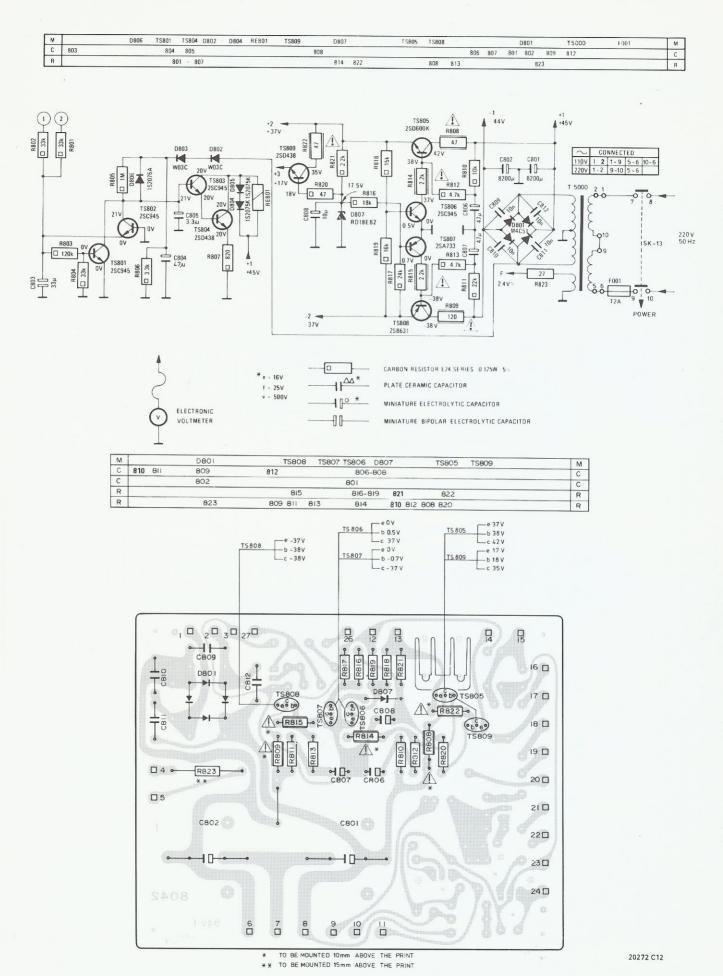


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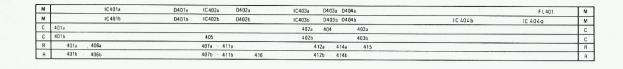
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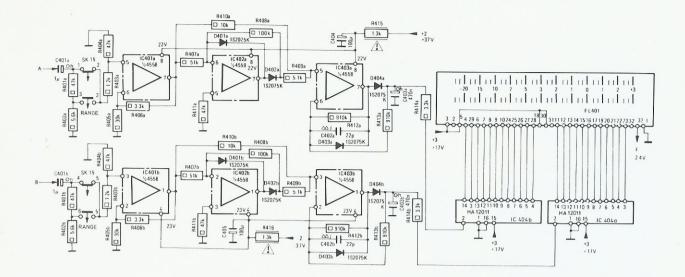
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CS 70 910



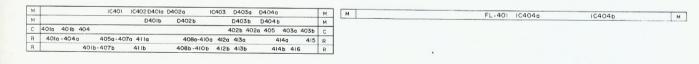


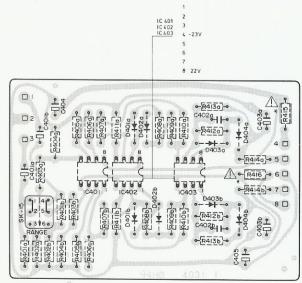


CARBON RESISTOR E24 SERIES 0.125W 5% PLATE CERAMIC CAPACITOR

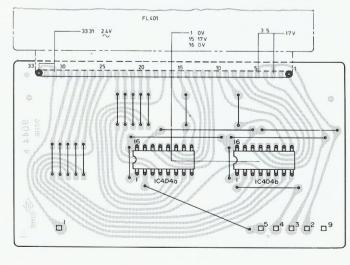
MINIATURE ELECTROLYTIC CAPACITOR

MINIATURE BIPOLAR ELETROLYTIC CAPACITOR



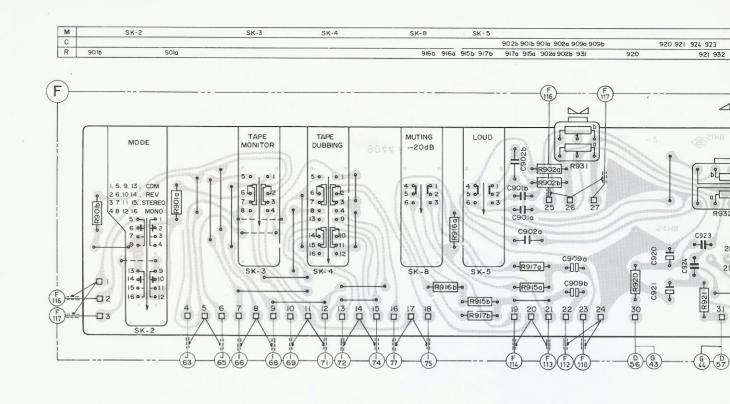


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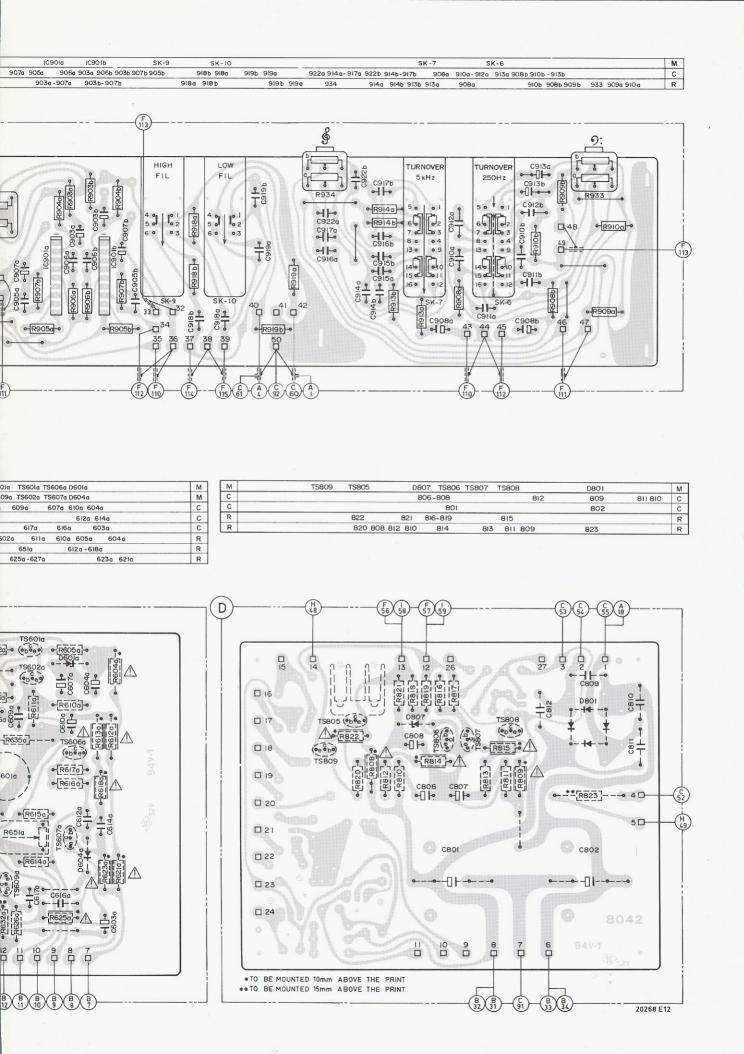
20271 D12

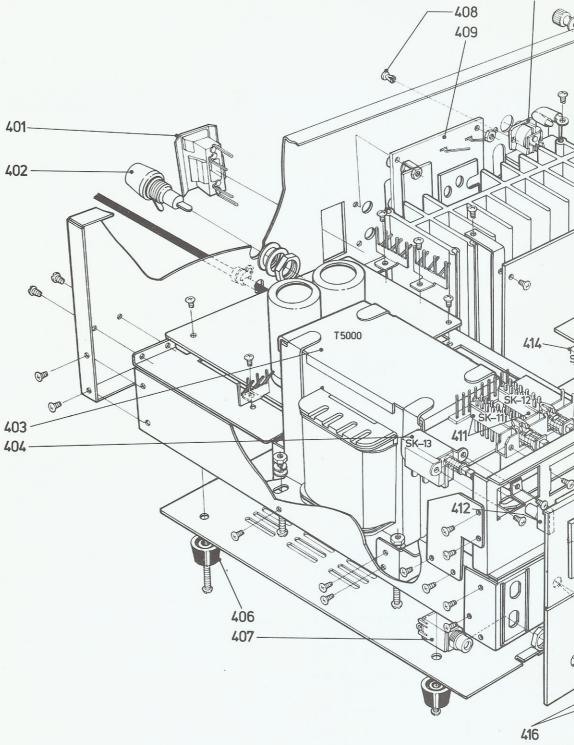


M	TS606b D601b	TS60Ib S60Ib	TS604b TS603b	D602b TS608b	D806	TS80I - TS804	TS608a D602a D60	5a TS603	a TS604	e a
M	TS607b D604t	b TS602b TS609b	DEOGD TSEIOD D	D605b D607b D603b	D802 - Di	805 RE801	D603a D607a	TS610a	D606	T Di
С	604b 610b	609b 606b	605b 60lb 602	2b				6020	60la	60
С	614b 612b 607	ъ	613b 60	086		803-805	615a	608a 613a	a 605a	
С	603b 6161	617b	619b 620b 6	618b 615b			618a	619a	620a	
R	604b 605b 6101	0b 611b 606b 6	620b 620b	601b 607b-609b			607a -609a	60la	620a	606
R	618b - 612b	65 lb 6	633b-635b	619b		801-807	619a		633a - 63	35a
R	621b 623b	625b-627b	628b -632b	622b	624b		624a 622a		628a -63	32a

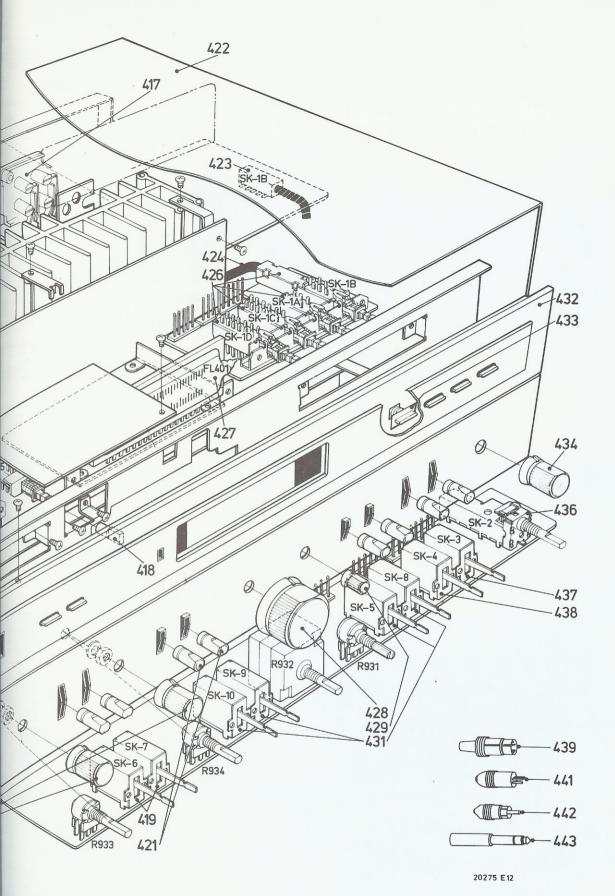
A		( <u>-</u>	(F)
		CROZ	□ □ •{REOIG~ •   • • •RE 2   •{REOIG~ •   • • •RE 2   • <u>REOIG~</u> •   • • •RE • <u>- → P</u> <sup>D</sup> <u>G</u> <sup>O</sup> <sup>C</sup> · · · · · · · · · · · · · · · · · · ·
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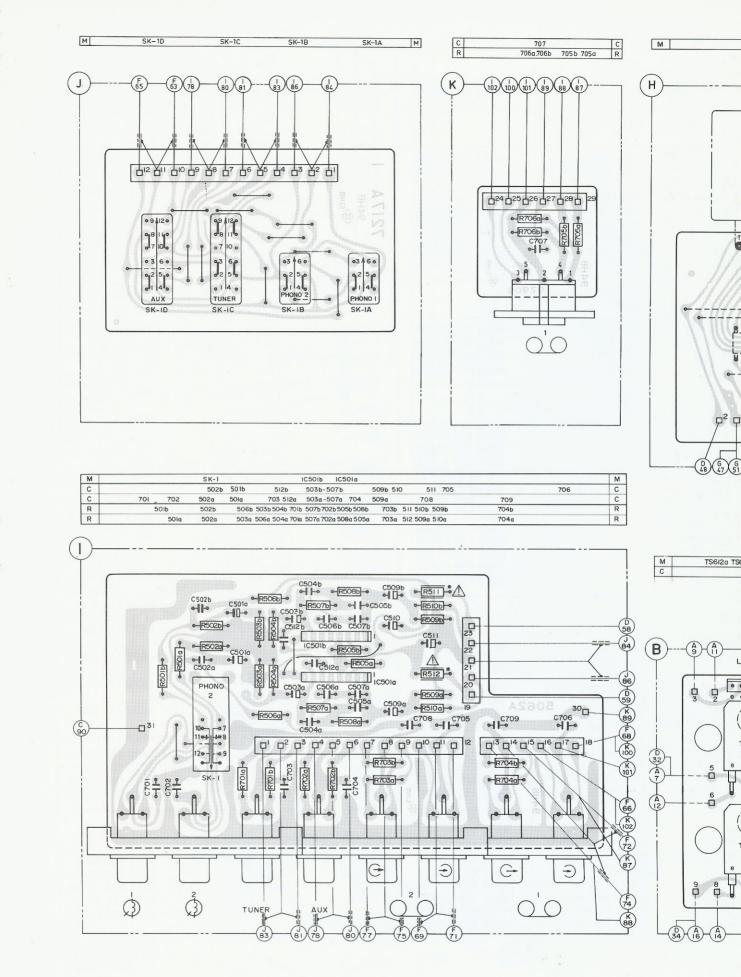


01	4822 267 30331	1	412	4822 410 40165	1 423	4822 277 30641	1	4
02	4822 256 30162		413	4822 267 20179	424	4822 267 30347		4
-03	4822 146 20593		414	4822 276 10784	426	4822 276 40254		4
	4822 146 20603-/15		416	4822 413 30876	427	4822 130 90036		4
-04	4822 277 10507		417	4822 267 40358 4p	428	4822 413 51071		4
06	4822 462 71166		417	4822 267 40357 6p	429	4822 413 30875		4
07	4822 267 30329		418	4822 413 30877	431	4822 277 10519	· · ·	4
80	4822 532 60719		419	4822 277 10523	432	4822 454 10732		
109	4822 290 40155		421	4822 410 40166	433	4822 413 30886		
11	4822 276 20264	0	422	4822 466 30091	434	4822 413 30876		

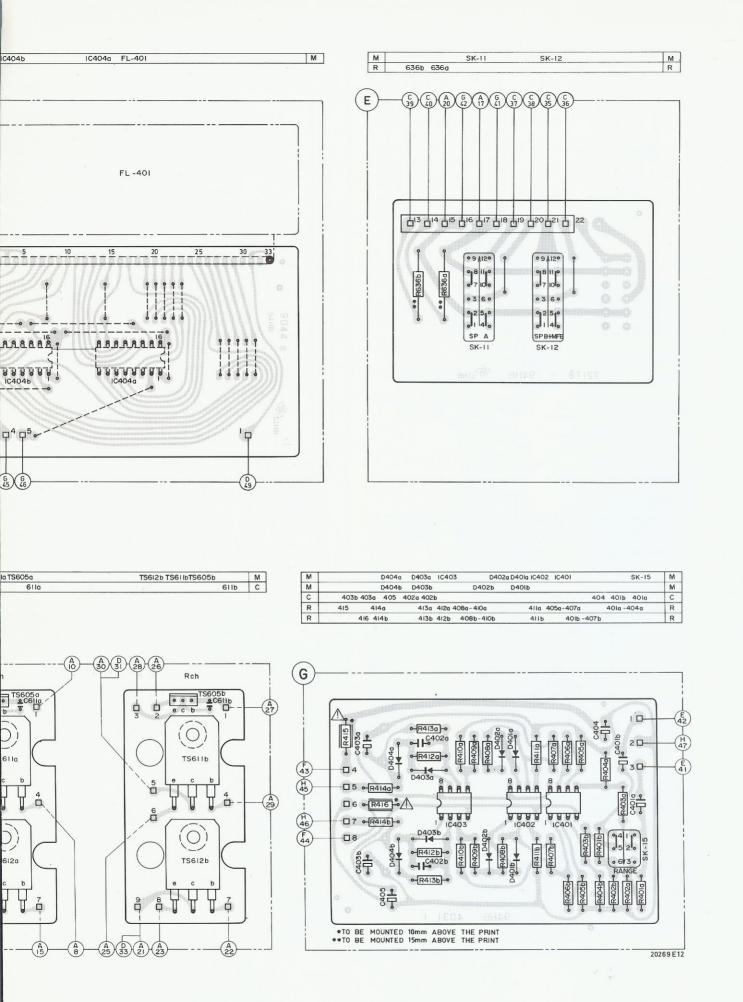


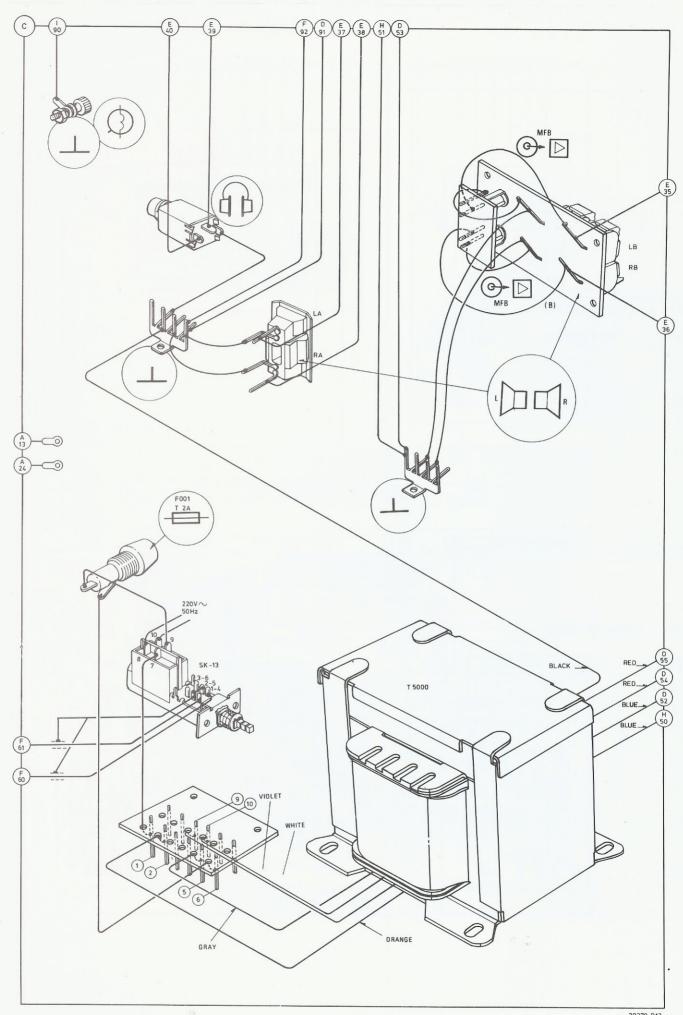
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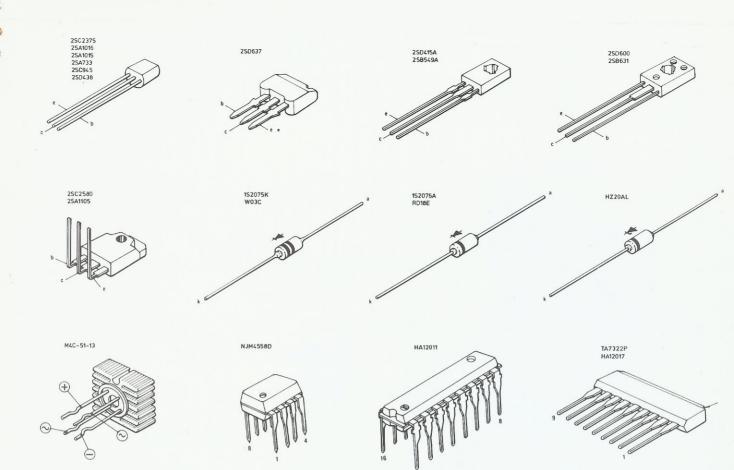
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-S-			-C-	-11	
601a,b	Choke coil 1.5 $\mu$ H	4822 157 90052	908a,b	Elco 10 μF - 16 V	5322 124 14066
			. 909a,b	Elco Bipolair 2.2 μF - 25 V	4822 124 20657
-D-			913a,b	Elco 0.33 μF - 50 V	4822 124 10238
			914a,b	Mylar 5.6 nF - 50 V	4822 121 41186
401a,b÷404a,b		4822 130 31026	915a,b	Mylar 2.7 nF - 50 V	4822 121 41184
601a,b	HZ20AL	4822 130 31285	918a,b	Mylar 5.6 nF - 50 V	4822 121 41186
602a,b÷605a,b		4822 130 31026	920,921	Elco 100 μF - 25 V	4822 124 10233
606a,b,607a,b	1S2076A	5322 130 34792	923,924	Cer. cap. 10 nF	5322 122 34072
801 802,803	M4C-51-13	4822 130 50325			
804,805	W03B,C 1S2075K	4822 130 31004			
806	1S2076A	4822 130 31026 5322 130 34792	-R-		
807	RD18EB2	4822 130 31024	415,416	Fail safe res.	
		4022 100 01024	413,410	1.3 kΩ - 1/4 W	4822 111 30611
	للبليليل		511,512	Fuse. res. 100Ω - 1/4 W	4822 115 90141
-IC-	կորդով		604a,b	Fail safe res.	
				2.2 kΩ - 1/2 W	4822 111 30607
401÷403	NJM4558D	4822 209 80401	612,613	Fail safe res.	4000 444 00500
404a,b	HA12011	4822 209 80669		3.3 kΩ - 1/2 W	4822 111 30598
501a,b 901a,b	HA12017 TA7322P	4822 209 80695	618a,b	Fail safe res.	4822 111 30602
5014,0	TA7522P	4822 209 80648	000 1	1 kΩ - 1/4 W	4022 111 30002
	<u>A</u>		620a,b	Fail safe res.	4822 111 30606
-TS-	-(K)		621a,b	1 kΩ - 1/2 W	1022 111 00000
	<u> </u>		0218,0	Fail safe res. 47 $\Omega$ - 1/4 W	4822 111 30612
2SA733 P,Q		4822 130 44256	622a,b	Fail safe res.	
2SA1016 F,G		4822 130 41488	0120,0	100 Ω - 1/4 W	4822 111 50412
2SA1105 O,Y		4822 130 41489	623a,b-624a,b	Fuse res. 10 Ω - 1/4 W	4822 115 90134
2SB549A R,Q		4822 130 41491	625a,b	Fail safe res.	
2SB631K		4822 130 41136		68 Ω - 1/4 W	4822 111 30613
2SC945 L-P		4822 130 41198	632a,b-633a,b	Cement res. 0.39 $\Omega$ - 5W	4822 113 80248
2SC2375 E,F		4822 130 41492	634a,b-635a,b	Metal res. $10\Omega - 2$ W	5322 116 54348
2SC2580 O,Y 2SD415A		4822 130 41493	636a,b	Metaloxide res.	4822 116 60068
2SD438 E,F		4822 130 41494 4822 130 41139	651a,b	470 Ω - 2 W	
2SD600K		4822 130 41139	806	Potm. 1 kΩ	4822 100 10292
2SD637		4822 130 41323	000	Metal oxide res. 3.3 kΩ - 1 W	4822 116 60059
(2) (2)		1022 100 11020	807	Metal oxide res.	
			007	820 Ω - 2 W	4822 116 60069
-C-			808	Fail safe res.	
				47 Ω - 1/2 W	4822 111 30608
404-405	Elco 100 μF - 16 V	4822 124 10231	809	Fail safe res.	1000 111 00000
501a,b	Elco Lo-leak -	4822 124 20964		120 Ω - 1/4 W	4822 111 30609
600- h	10 µF - 16 V		814,815	Fail safe res.	1000 111 00504
602a,b 603a,b	Elco 2.2 µF - 50 ¥	4822 124 10237		<b>2.2</b> kΩ - 1/4 W	4822 111 30594
604a,b	Elco 47 μF - 63 V Elco 3.3 μF - 50 V	4822 124 10243 4822 124 10239	822	Fail safe res.	4822 111 30612
605a,b	Mylar 1 nF - 50 V	4822 124 10239	012	47 Ω - 1/4 W	4022 111 00012
607a.b	Elco 33 µF - 6.3 V	4822 122 31209	823	Metal oxide res.	4822 116 60092
608a,b	Elco 100 µF - 63 V	4822 124 10242	931a,b	27 $\Omega$ - 2 W Potm. 200 k $\Omega$ (balance)	
610a,b	Elco 330 µF - 35 V	4822 124 10234	932a,b	Potm. 200 k $\Omega$ (volume)	
701÷707	Ceramic cap. 10 nF	5322 122 34072	933a,b	Potm. 50 k $\Omega$ (bass)	4822 101 20568
301,802	Elco 8200 µF - 56V	4822 124 40282	934a,b	Potm. 50 k $\Omega$ (treble)	4822 101 20567
303	Elco Bipolair 33 µF	4822 124 20649			
204	16 V				
304 305	Elco 47 µF - 50 V	4822 124 10241	-Miscellaneous-		
305 306,807	Elco 3.3 µF - 50 V	4822 124 10239			
308,807	Elco 47 μF - 35 V	4822 124 10235	RE801	Relay 24 V	4822 280 50017
309÷812	Elco 10 μF - 25 V Cer.cap. 10 nF - 500 V	4822 124 10232	FL401	Display	4822 130 90036
903a,b	Elco 1 µF - 50 V	5322 122 50046 4822 124 10236	F001	Fuse T 2A	4822 253 30025
906a,b	Mylar 2.2 nF - 50 V	4822 124 10236	T5000	Mains transformer	4822 146 20593
907a,b	Elco 1 $\mu$ F - 50 V	4822 121 41247		/15-	4822 146 20603
	-100 mi 00 v	7022 124 10230			

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#### (GB)

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified, be used.

# (NL)

Veiligheidsbepalingen vereisen, dat het apparaat bij reparatie in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

## F

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

# 

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.



#### I

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.

# S

Säkerhetsbestämmelserna kräver att varje reparation skall utföras korrekt med hänsyn till ursprunglig placering av komponenter, ledningar etc. och med användning av föreskrivna reservdelar.

### DK

Myndighedernes sikkerheds- og radiostøjbestemmelser kræver, at enhver reparation skal udføres korrekt m.h.t. overholdelse af originalplacering og montering af komponenter, ledningsbundter, etc, og ved anvendelse af de foreskrevne reservedele.



Sikkerhetsbestemmelser kreves at apparatet blir gjennopprettet til original utførelse og at deler som er identiske med de som er spesifisert, blir benyttet.

Korjatessa laitetta on turvallisuussyistä ehdottomasti eneteltävä oikein ja käytettävä tehtaan määräämiä alkuperäisvaraosia.

20277 C12