

Service manual

RADIO 11RN186/00R



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Gratis schema's

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TRA 4316



PHILIPS

1 Volume control + on/off switch
Volumeregelaar + aan/uit schakelaar
Commande de volume + commutateur marche/arrêt
Lautstärkeregelung + Ein/Aus-Schalter
Comando di volume + commutatore marcia/fermo

R50
+
SK-B

2 Tuning + wave range switch
Afstemming + golfbereikschakelaar
Syntonisation + commutateur gammes d'onde
Abstimmung + Wellenbereichschalter
Sintonia + commutatore gamme d'onda

C16,17
+
SK-A

Voltage supply	6 V	Voedingsspanning	Tension d'alimen- tation	Speisespannung	6 V	Tensione d'alimen- tazione
Consumption (without signal)	30 mA	Verbruik (zonder signaal)	Consommation (sans signal)	Verbrauch (ohne Signal)	30 mA	Assorbimento (senza segnale)
Output	1 W	Uitgangsvermogen	Tension de sortie	Ausgangsleistung	1 W	Tensione di uscita
Loudspeaker	Z = 8 Ω	Luidspreker	Haut-parleur	Lautsprecher	Z = 8 Ω	Altoparlante
IF	455 kHz	MF	FI	ZF	455 kHz	FI
Dimensions	148x150x47 mm	Afmetingen	Dimensions	Abmessungen	148x150x47 mm	Dimensioni

Wave ranges - Golfgebieden - Gammes d'onde - Wellenbereich - Gamme d'onda

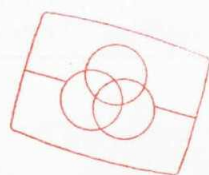
LW - LG - GO - LW - OL	: 154 - 260 kHz (1949 - 1150 m)
MW - MG - PO - MW - OM	: 525 - 1605 kHz (570 - 187 m)

Transistors

TS1	BF194B	TS4	BC149
TS2	BF195D	TS5	AC188
TS3	BF195C	TS6	AC187

Diodes

D1	{	AA119
D2		BA114
D3		BA114



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Index: CS29119-CS29122

Subject to modification

4822 725 10686

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Global electronic heritage manuals

(GB) By turning the tuning disc 180°, the wave range is switched over automatically.

(NL) Door de afstemschijf 180° te verdraaien wordt automatisch het golfgebied omgeschakeld.

(F) En tournant le disque de syntonisation de 180°, on commute automatiquement de gamme d'onde.

(D) Durch Verdrehen der Abstimmsscheibe um 180°, wird der Wellenbereich automatisch umgeschaltet.

(I) Girando il disco di sintonia di 180° si commuta automaticamente su un'altra gamma d'onda.

1 Set the variable capacitor to position A according to Fig. 1.
2 Set C18 and C26 to mid-value.

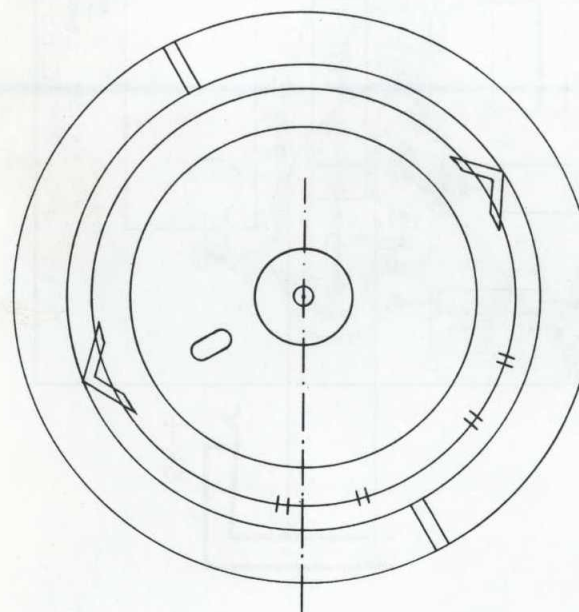
1 Variabele condensator in de stand A zetten zoals in fig. 1 aangegeven is.
2 C18 en C26 op middenwaarde zetten.

1 Positionner le condensateur variable sur A, comme indiqué fig. 1.
2 Mettre C18 et C26 en position médiane.

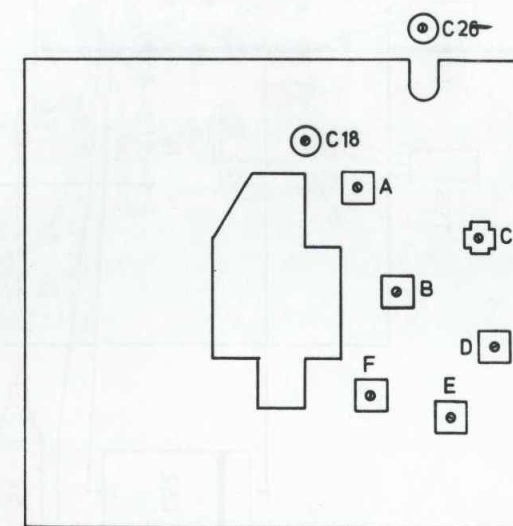
1 Schalte den Drehkondensator gemäss Abb. 1 in Stellung A.
2 Schalte C18 und C26 in Mittelstellung.

1 Porre il condensatore variabile su A come indicato in fig. 1.
2 Porre C18 e C26 in posizione media.

SK.... (wave range)	signal to	(var.cap.)	(adjust)	(output)
MW (525-1605 kHz)	455 kHz via 33 nF	Min.	F E D	max. 1
MW (525-1605 kHz)	973 kHz 2 550 kHz	1	C	Max. 1
LW (154-260 kHz)	150 kHz	B	A B C26	
MW (525-1605 kHz)	220 kHz 1550 kHz	tune in	C18	



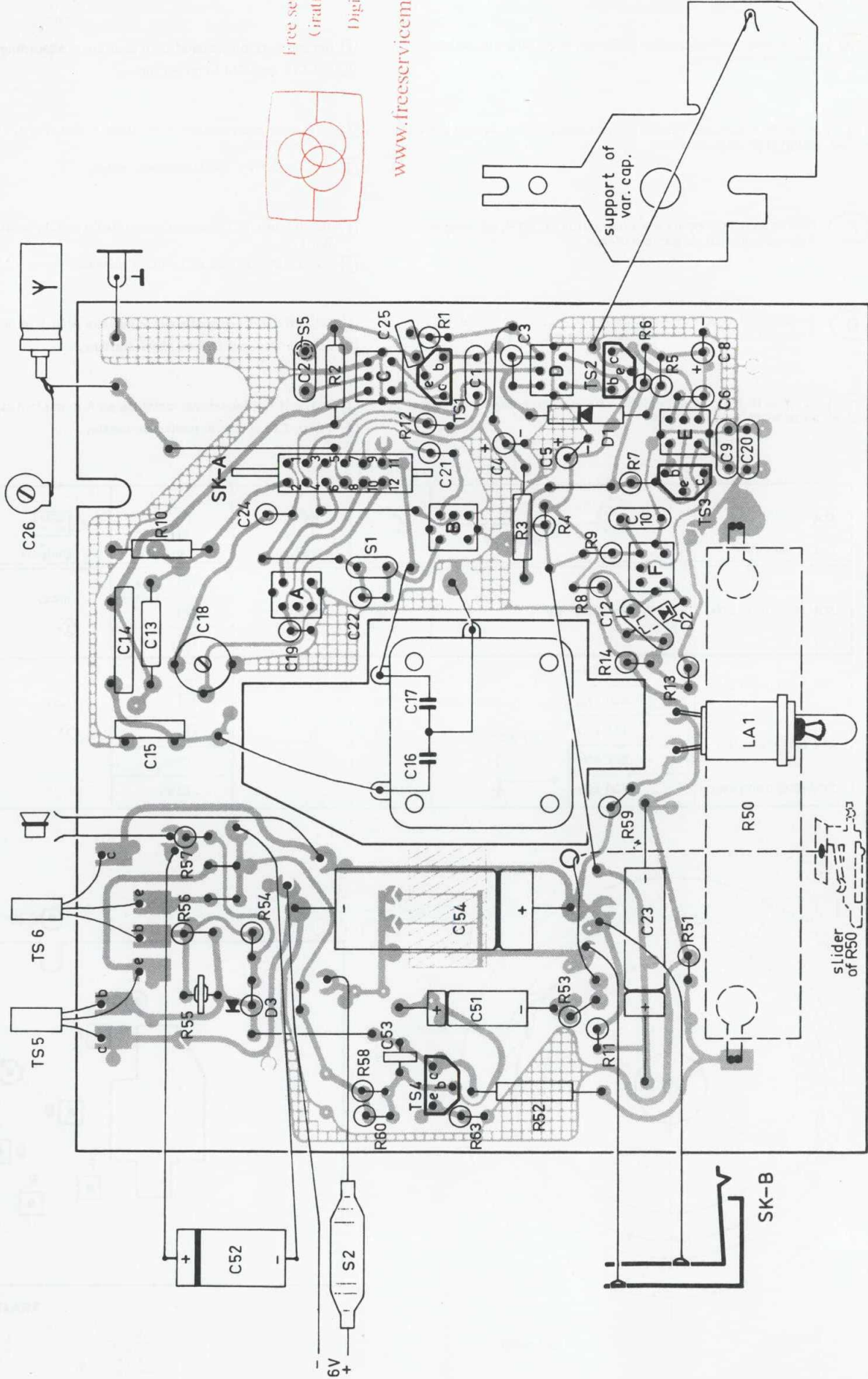
TRA 4313



TRA4311

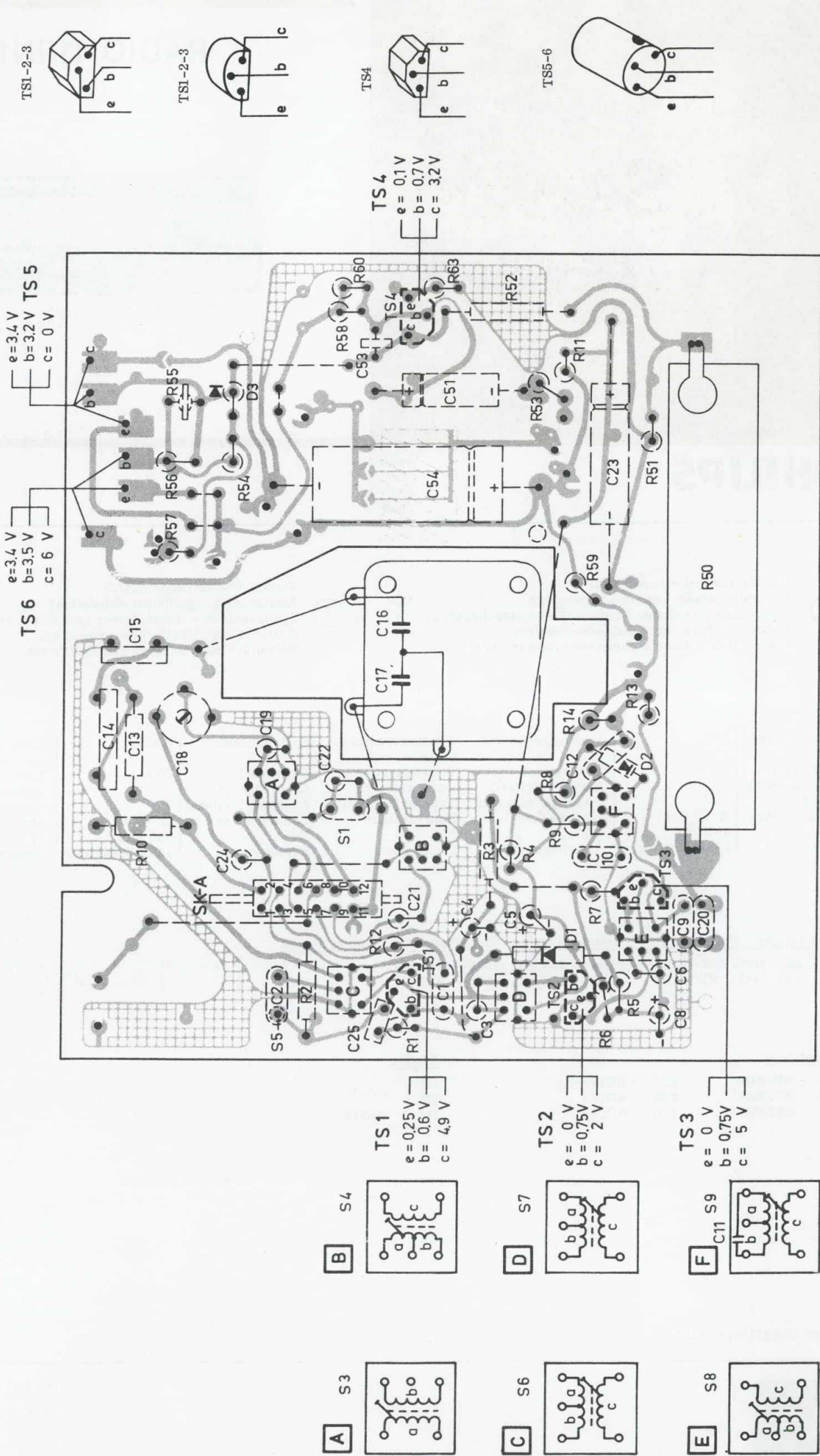
CS29119

S	2.	53. 51.	23. 54.	16. 15.	17.	19. 12-14. 22. 18.	26. 10. 24. 21. 4. 5. 9. 20.	6. 1. 2. 8. 3. 2. 5.	E.	C. D.	5.	S
C	52.	60. 63. 52.	58. 11. 55. 53.	51. 56. 54.	57. 59. 50.	13. 14.	8.	9. 3. 10. 4.	7.	12.	2. 5. 6. 1.	C
R												R



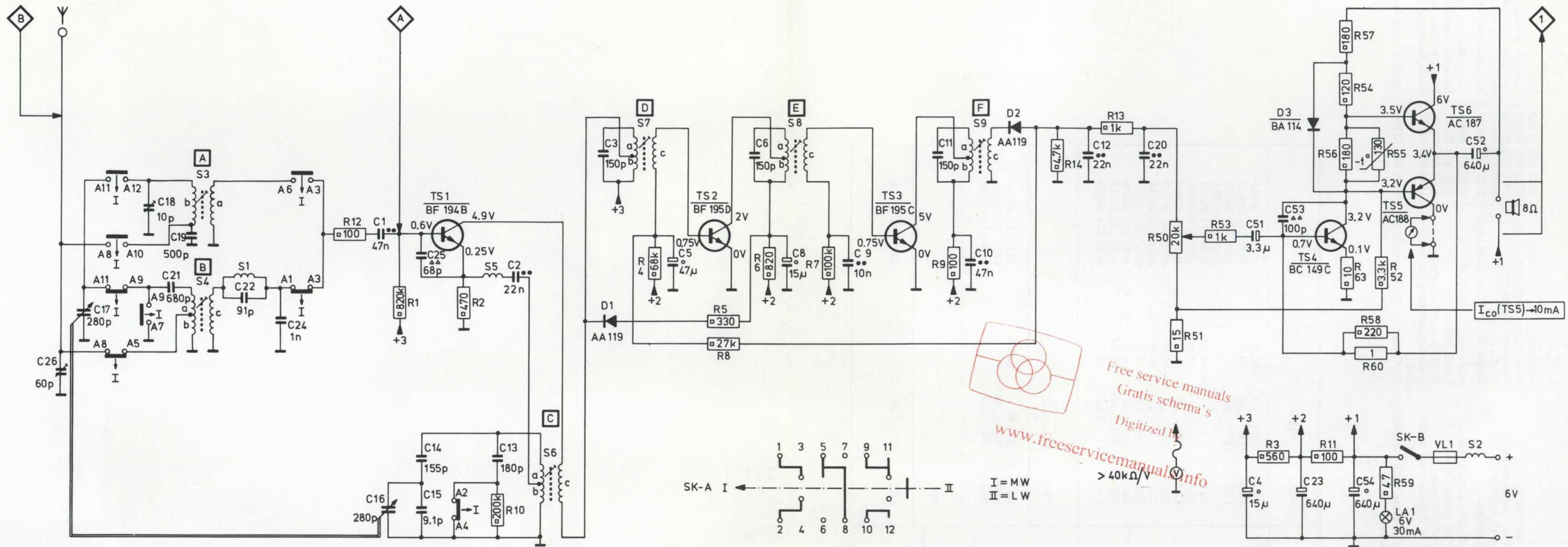
TRA 4309

S	5.	D. C.	E.	B. 1. F. A.	18. 22. 12-14. 19.	17.	15. 16	54. 23.	51. 53.	S
C	25. 3. 8. 2. 1. 6.	20. 9. 5. 4. 21. 24. 10.								C
R	1. 6. 5. 2.	12.	7.	4. 10. 3. 9.	8.	14. 13.	27.	54. 56. 51.	53. 55. 11. 58.	R



TRA 4310

S	A. B.		1.		5		C.		D.		E.		F.		2.		S														
C	26.	17.	18.	21.	19.	22.	24.	1.	16.	14.	25.	15.	13.	2.	3.	5.	6.	8.	9.	11.	10.	12.	20.	4.	51.	53.	23.	54.	52.	C	
R								12.	1.	2.	10.		4.	5.	8.	6.	7.		9.		14.	13.	50.	51.	53.	3.	11.	63.	54+60.	52.	R



TRA 4306

- Carbon resistor E24 series 0.125 W 5%
- Plate ceramic capacitor
- Flat-foil polyester capacitor
- Miniature electrolytic capacitor

GB

Cabinet
Fixing cam
Tuning disc assembly
Contact spring
Knob volume control
Slide switch SK-A
Switch lever
Female socket car aerial
Fixing bracket for car radio
Leaf spring in on/off switch

NL

Kast
Bevestigingsnok
Afstemschijf
Kontaktheel
Knop volumeregeling
Schuifschakelaar SK-A
Schakelaarhefboom
Aansluiting auto-antenne
Beugel voor bev.auto-radio
Bladveer in aan/uit-schake-
laar

F

Coffret
Came de fixation
Disque de syntonisation
Ressort de contact
Bouton (volume)
Commutateur à tiroir SK-A
Lever de commutateur
Prise auto-antenne
Etrier de fixation auto-radio
Ressort à lame dans commuta-
teur marche/arrêt

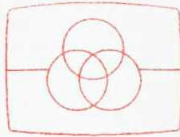
D

Gehäuse
Befestigungsnocken
Abstimmscheibe
Kontaktfeder
Knopf (Lautstärkeeinstellung)
Schiebeschalter SK-A
Schalterhebel
Anschluss Auto-Antenne
Befestigungsbügel für Auto-
radio
Blattfeder in Ein/Aus-Schalter

I

Mobile
Cama di fissaggio
Disco di sintonia
Molla di contatto
Manopola (volume)
Commutatore a slitta SK-A
Leva del commutatore
Presa antenna auto
Staffa fissaggio per autoradio
Molla a lama dell'interruttore

-S-		-C-	
S1	abcd	C3,6	150 pF
S2		C13	180 pF
S3		C14	155 pF
S4	76-2	C15	9.1 pF
S6	66-2	C16,17	Var.cap. 2x280 pF
S7		C18	Trimmer 10 pF
S8	55-2	C19	500 pF
S9	55-2	C21	580 pF
	9--2	C22	91 pF
		C23	680 µF
		C24	1000 pF
		C26	Trimmer 60 pF
		C51	3.3 µF
-TS-		-R-	
TS1	BF194B	R1	820 kΩ
TS2	BF195D	R50	Potm. 20 kΩ
TS3	BF195C	R55	NTC 130 Ω
TS4	BC149		
TS5	AC188		
TS6	AC187		
-D-		Div.	
D1 } D2 } D3 }	AA119 BA114	LA1	6 V - 30 mA
			4822 134 40226



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