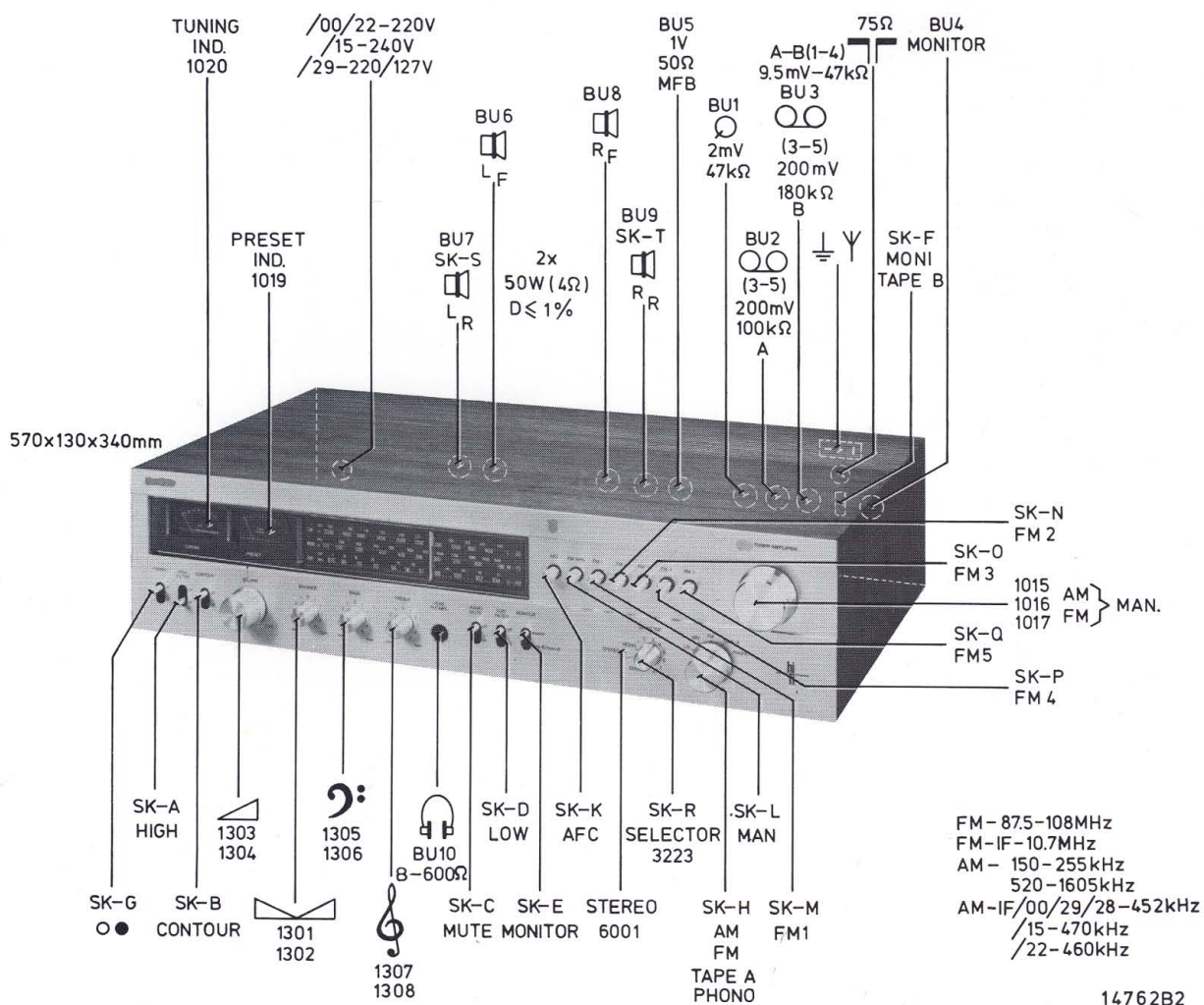


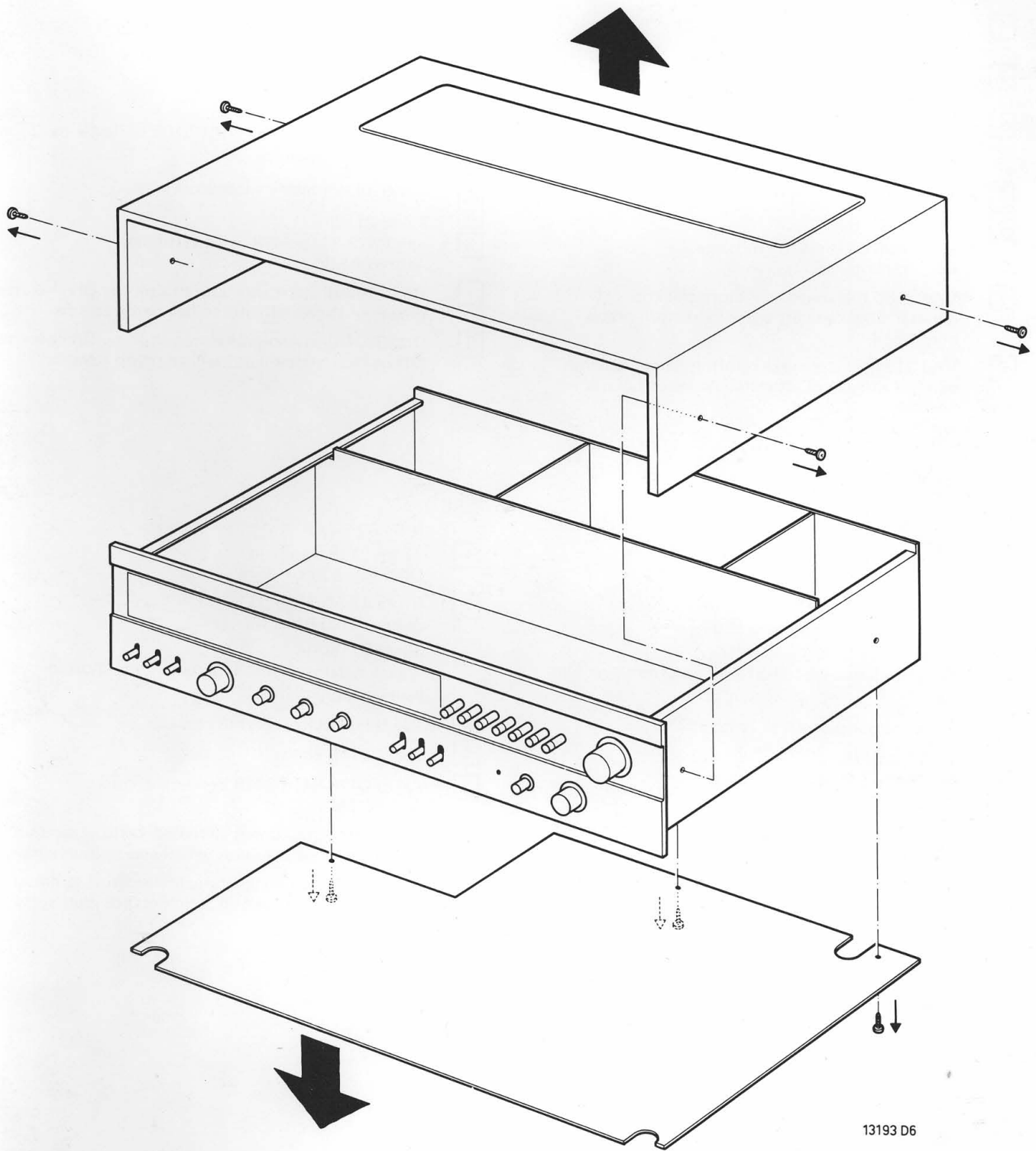
Service
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Service

Service Manual



14762B2

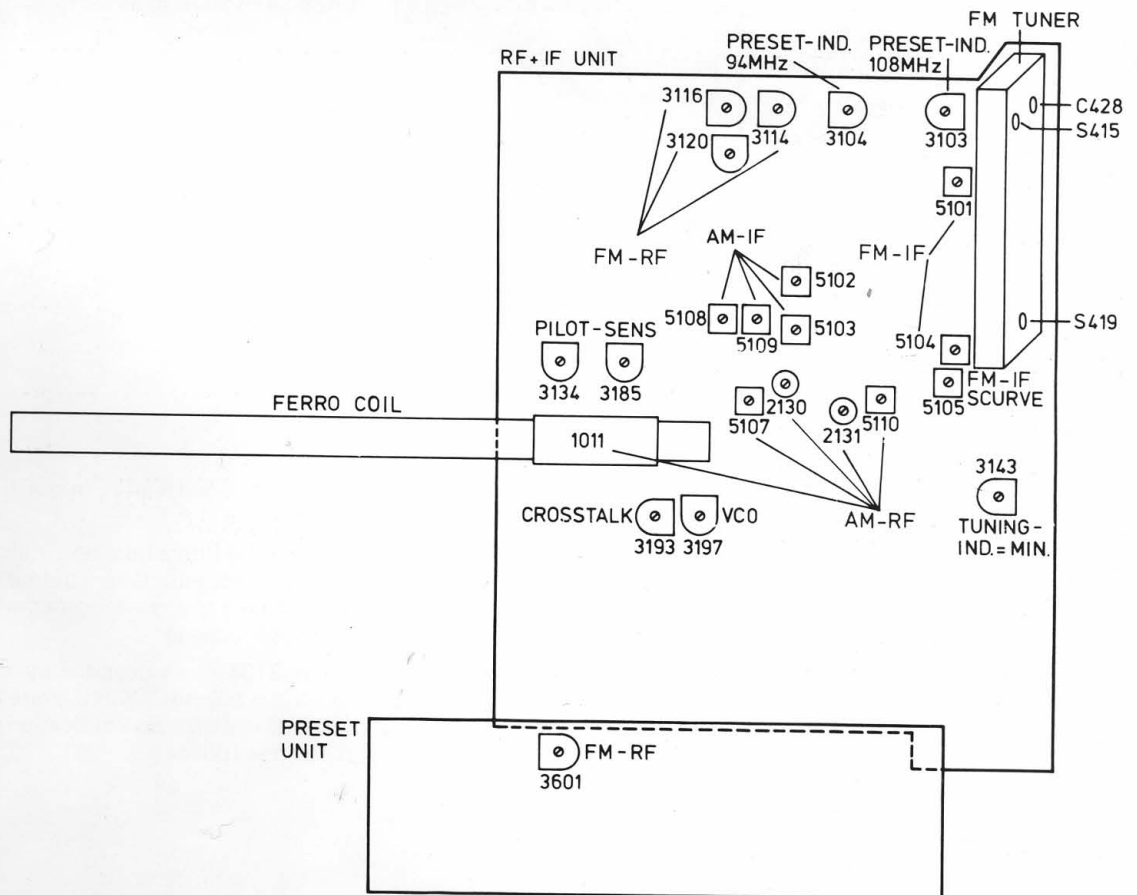
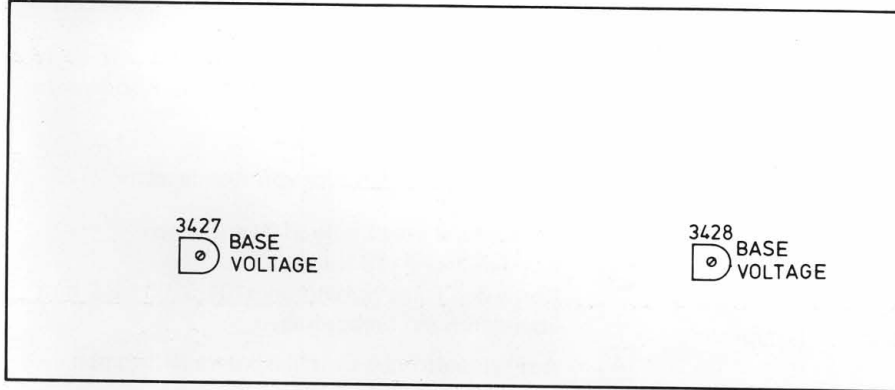




13193 D6

| Wave range | Signal to | | Varco | Adjust | Indication |
|--------------------------------|---|--|--------|--------|-------------------------------|
| SK ... | | | | | |
| FM (87,5 - 108 MHz) | 0 μ V | | | 3197 | Counter 76 kHz \pm 1 kHz |
| | 98 MHz Multiplex (1 kHz) \pm 6 μ V | | | 98 MHz | 3134 |
| | | | | 3185 | |
| | 98 MHz Multiplex (1 kHz) | | | 98 MHz | 3134 |
| 98 MHz Pilot + R + 1 kHz | | | 98 MHz | 3193 | Min. L via 100 k Ω |

POWER UNIT



(GB)

- 1 47 nF parallel to capacitor 2129.
Short-circuit coil 5108.
- 2 Remove 47 nF from capacitor 2129.
Remove short-circuit across coil 5108.
- 3 Unsolder capacitor 2118.
Turn out the cores 5101-5105 approx. 2 mms above the edge.
- 4 Adjust to symmetry of the response curve.
- 5 Solder on capacitor 2118.
- 6 Set C428-S415-S419 to mid-position.
AFC off.
- 7 Turn potentiometer 3185 until stereo indication goes out. Next, turn back so that the stereo indication just lights up.
- 8 Turn potentiometer 3134 until stereo indication goes out. Next, turn back so that the stereo indication just lights up.

(NL)

- 1 Een condensator van 47 nF parallel verbinden aan condensator 2129.
Spoel 5108 kortsluiten.
- 2 De condensator van 47 nF verwijderen van C2129.
Kortsluiting van spoel 5108 verwijderen.
- 3 Condensator 2118 lossolderen.
Kernen van transformatoren 5101-5105 \pm 2 mm boven de rand uitdraaien.
- 4 Afstemmen op sym. doorlaatkromme.
- 5 Condensator 2118 vast solderen.
- 6 C428-S415-S419 in middenstand zetten.
AFC uit.
- 7 Potentiometer 3185 draaien totdat de stereo-indicatie dooft. Daarna terugdraaien totdat de stereo-indicatie juist brandt.
- 8 Potentiometer 3134 draaien totdat de stereo-indicatie dooft. Daarna terugdraaien totdat de stereo-indicatie juist brandt.

(F)

- 1 Monter un condensateur de 47 nF en parallèle sur condensateur 2129.
Court-circuiter 5108.
- 2 Enlever le condensateur de 2129.
Supprimer le court-circuit sur 5108.
- 3 Dessouder le condensateur 2118.
Devisser les noyaux de 5101-5105 de \pm 2 mm au-dessus du bord.
- 4 Ajuster pour l'obtention de la symétrie de la courbe de réponse.
- 5 Souder le condensateur 2118.
- 6 Mettre C428-S415-S419 en position intermédiaire.
Désenclencher la C.A.F.
- 7 Tourner le potentiomètre 3185 jusqu'à ce que l'indication stéréo s'éteigne. Ensuite, tourner en sens anti-horaire jusqu'à ce que l'indication stéréo s'allume tout juste.
- 8 Tourner le potentiomètre 3134 jusqu'à ce que l'indication stéréo s'éteigne. Tourner ensuite en sens anti-horaire jusqu'à ce que l'indication stéréo s'allume tout juste.

(D)

- 1 Einen 47-nF-Kondensator parallel zu Kondensator 2129 verbinden.
Spule 5108 kurzschliessen.
- 2 Den 47-nF-Kondensator von Kondensator 2129 entfernen.
Kurzschluss über Spule 5108 entfernen.
- 3 Kondensator 2118 ablöten.
Kerne der Transformatoren 5101-5105 ca. 2 mm über den Rand herausdrehen.
- 4 Auf symmetrische Durchlasskurve abstimmen.
- 5 Kondensator 2118 festlöten.
- 6 C428-S415-S419 in Mittelstellung setzen.
AFC abschalten.
- 7 Potentiometer 3185 drehen bis die Stereoanzeige erlischt. Dann zurückdrehen bis die Stereoanzeige gerade leuchtet.
- 8 Potentiometer 3134 drehen bis die Stereoanzeige erlischt. Dann zurückdrehen bis die Stereoanzeige gerade leuchtet.

(I)

- 1 Montare un condensatore di 47 nF in parallelo con il condensatore 2129.
Corto-circuitare 5108.
- 2 Togliere il condensatore da 2129.
Eliminare il corto-circuito su di 5108.
- 3 Dissaldare il condensatore 2118.
Svitare i nuclei 5101-5105 di \pm 2 mm al di sopra dell'orlo.
- 4 Regolare per simetria della curva di risposta.
- 5 Saldare il condensatore 2118.

- 6 Mettre C428-S415-S419 in posizione intermedia.
Disinserire il C.A.F.
- 7 Girare 3185 fino a quando l'indicazione "stereofonico" si accendi. Girare quindi in senso antiorario fino a quando d'indicazione "stereofonico" si accende appena.
- 8 Girare 3134 fino a quando l'indicazione "stereofonico" si accendi. Quindi girare in senso antiorario fino a quando l'indicazione "stereofonico" si accende appena.

S

- 1 47 nF parallelt med 2129.
Kortslut 5108.
- 2 Tag bort 47 nF från 2129.
Tag bort kortslutningen över 5108.
- 3 Löd loss 2118.
Vrid ut kärnorna 5101-5105 ungefär 2 mm över kanten.
- 4 Justera kurvan till max symmetri.
- 5 Löd till 2118.
- 6 Ställ C428-S415-S419 i mittläge.
AFC fränkopplad.
- 7 Vrid 3185 tills stereoindikatorn slocknar och vrid därefter tillbaka så att stereoindikatorn precis börjar lysa.
- 8 Vrid 3134 till stereoindikatorn slocknar och vrid därefter tillbaka så att stereoindikatorn precis börjar lysa.

N


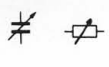































- 1 47 nF parallelt med 2129.
Kortslutt 5108.
- 2 Fjern 47 nF fra 2129.
Fjern kortslutningen over 5108.
- 3 Lodd fra 2118.
Skru ut kjernene 5101-51-5 til ca. 2 mm over kanten.
- 4 Juster responskurven til symmetri.
- 5 Lodd til 2118.
- 6 Sett C428-S415-S419 i midtstilling.
AFC av.
- 7 Drei 3185 til stereoindikatoren slukker – drei deretter tilbake, akkurat så meget at stereoindikatoren lyser opp igjen.
- 8 Drei 3134 til stereoindikatoren slukker – drei deretter tilbake, akkurat så meget at stereoindikatoren lyser opp igjen.

DK

- 1 47 nF parallelt over 2129.
Kortslut 5108.
- 2 Fjern 47 nF fra 2129.
Fjern kortslutning over 5108.
- 3 Fralod 2118.
Uddrej jernkærnerne i 5101-5105 til de går ca. 2 mm udenfor spolekappen.
- 4 Juster til symmetrisk frekvenskurve.
- 5 Pålod 2118.
- 6 Sæt C428-S415-S419 i midterstilling.
Afbryd AFC.
- 7 Drej 3185 til stereoindikatoren slukker. Drej herefter tilbage til stereoindikatoren lige netop tænder.
- 8 Drej 3134 til stereoindikatoren slukker. Drej herefter tilbage til stereoindikatoren lige netop tænder.

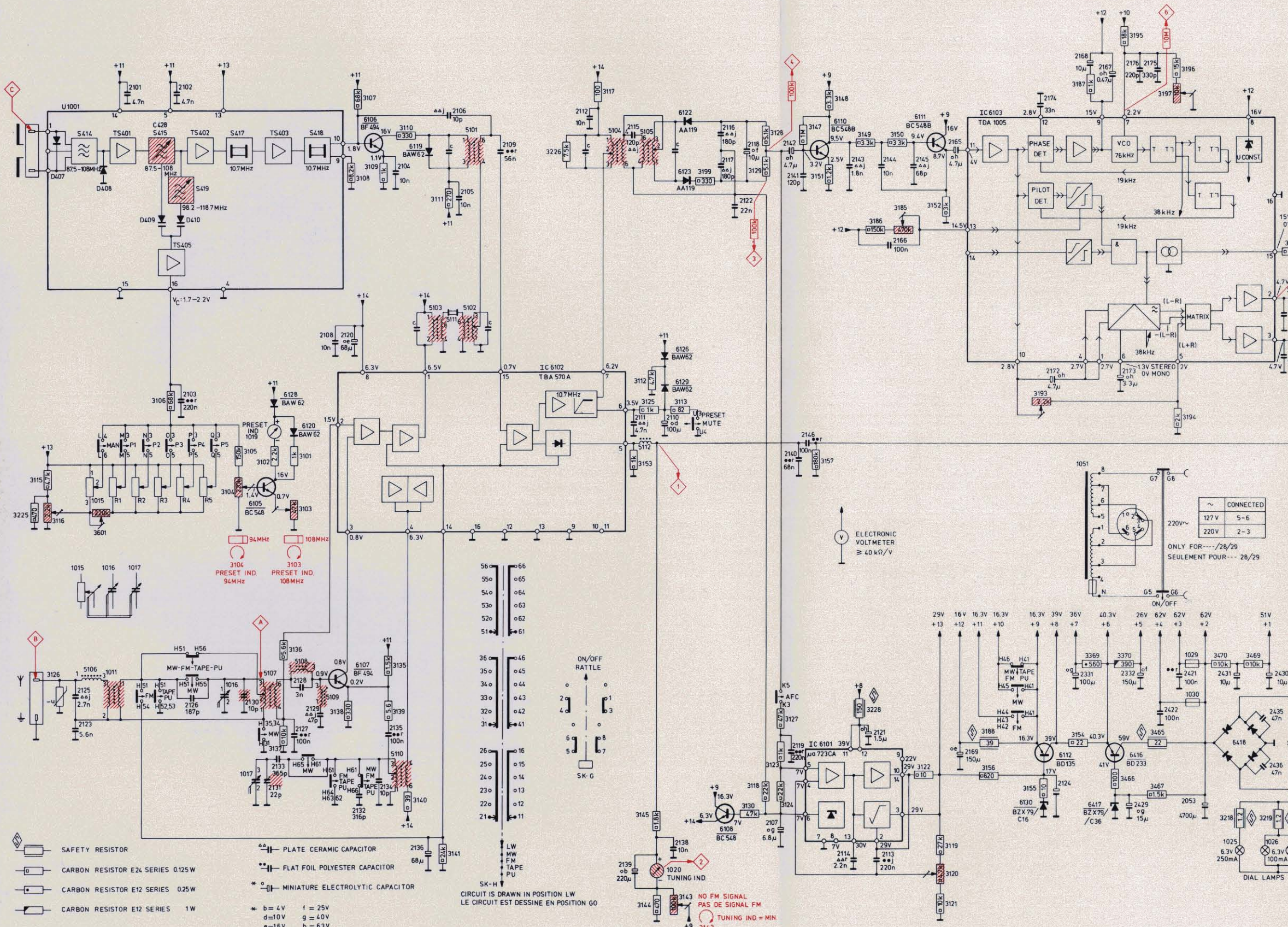
SF

- 1 47 nF 2129:n rinnalle.
Oikosulje 5108.
- 2 Irrota 47 nF 2129:stä.
Ja oikosulku 5108:stä.
- 3 Juota 2118 irti.
Kierrä sydämet 5105-5105 noin 2 mm purkin reunan yläpuolelle.
- 4 Säädä läpäisykäyrä symmetriseksi.
- 5 Juota 2118 kiinni.
- 6 Aseta C428-S415-S419 keskiasentoon.
Ja AFC pois.
- 7 Kierrä 3185:ttä kunnes stereoindikaattori sammuu, kierrä sitten takaisin niin paljon että se juuri syttyy.
- 8 Kierrä 3134:ää kunnes stereoindikaattori sammuu, kierrä sitten takaisin niin paljon että se juuri syttyy.

| Wave range SK... | Signal to  | | Varco  | Adjust  | Indication  | Indication  |
|----------------------|--|---|---|---|---|--|
| MW (520-1605 kHz) | /00/28/29- 452 kHz \pm 1 kHz /22 460 kHz /15 470 kHz $\Delta f = 20$ kHz (50 Hz) via 33 nF |  | 1016 1017 Max. cap. |  5102 5103  5108-5109 |  max. + sym. (= fo 5111)  min. + sym. | |
| LW (150-355 kHz) | 147 kHz via 33 nF |  | 1016 1017 Max. cap. | 5110 | | Max. tuning ind.  |
| MW (520-1605 kHz) | 1635 kHz via 33 nF | | 1016 1017 Min. cap. | 2131 | | |
| MW (520-1605 kHz) | 550 kHz |  | Tune in | 1011 Ferro coil | | Max. tuning ind.  |
| | 1500 kHz | | Tune in | 2130 | | |
| LW (150-355 kHz) | 155 kHz | | Tune in | 5107 | | |
| FM (87.5-108 MHz) | 98 MHz \pm 100 kHz $\Delta f = 200$ kHz (50 Hz) |  | Tune in  |  5104 5101 |  max. + sym. via 100 K | |
| | | | Tune in |  5105 |  max. "S" + sym. via 100 K | |
| FM (87.5-108 kHz) | 108 MHz $\Delta f = 200$ kHz (50 Hz) |  |  1015 | 1015 | | Vc = 18 V  (p. 16 F.M. tuner) |
| | | | 1015 (Vc = 18 V) | S419 C428 | | Max. tuning ind.  |
| | 88 MHz $\Delta f = 200$ kHz (50 Hz) | Tune in | | | | Max. tuning ind.  Vc = 1,7 - 2,1 V  (p. 16 FM-tuner) |
| | | | S415 | | | Max. tuning ind.  |
| FM (87.5-108 MHz) | 109 MHz |  | 1015  | 3120 | | Max. tuning ind.  |
| | 98 MHz | | 98 MHz | 3114 | | |
| | 86,8 MHz | | 1015  | 3116 | | |
| | 86,8 MHz |  | Tune in Preset-R1 | 3601 | | Max. tuning ind.  |

↑ Repeat - Herhalen - Répéter - Wiederholen - Repitanse - Ripetere - Repetera - Gentage - Gjentagelse - Toista

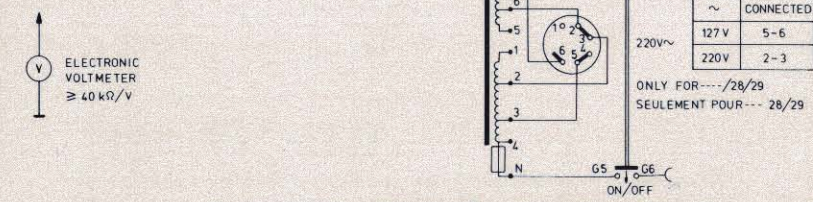
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|---|------------|---------------------|---|-----------------------|----------------|---------|-------------------|----------------------|----------------|--------------------------|----------------|----------------|---------------------|---------------------|-------------|---------------------|-------------|
| M | U1001 | ME 1019 D6128 D6120 | TS6106 | D6119 | S 5101 - 5103 | IC 6102 | S5104 S5112 S5105 | D6122,6123,6126,6129 | TS6110 | TS6111 | IC 6103 | D6130 | F1029,1030 | | | | |
| M | S5106,1011 | TS6105 | S 5107 - 5109 | TS6107 | S5110 | | ME 1020 | TS6108 | IC 6101 | | TS6112 | D6417 | TS6416 | F1025,1030 | LA1025 | D6418 | LA1026,1027 |
| C | 2101 | 2102 2103 | 2108 2120 | 2104 | 2106 2105 2109 | 2112 | 2111 2115 2110 | 2116 2117 2118 | 2142 2140 2146 | 2143 2144 2166 | 2145 2165 | 2174 2172 2168 | 2167 2173 2176 2175 | 2170 2171 2172 | | | |
| C | 2125 2123 | 2126 | 1016 2130 1017 2131 2127 2128 2133 2129 2132 2134 2135 2136 | 3107 - 3109 3135 3110 | 3111 | 3226 | 3117 | 3112 3125 3112 3113 | 3129 3128 | 3147 3151 3148 3149 3186 | 3150 3185 3152 | 2169 | 2124 2331 2332 2429 | 2422 2421 2432 2431 | 2430 2434 - | 2435 | 2436 - |
| R | 32 | 3115 3116 1015 | 3106 | 3104 3105 3101 3103 | | | | 3153 | 3154 | 3157 | | 3193 | 3187 | 3195 | 3197 3196 | 3194 | 3198 |
| R | 3126 | 3601 | | 3137 3136 | 3138 | | | 3143 - 3145 | | 3130 3118 3123 3127 3124 | | 3188 3156 | 3155 | 3154 3369 3370 3466 | 3465 3467 | 3470 3218 3469 3219 | |



- SAFETY RESISTOR
 - CARBON RESISTOR E24 SERIES 0.125W
 - CARBON RESISTOR E12 SERIES 0.25W
 - CARBON RESISTOR E12 SERIES 1W
 - PLATE CERAMIC CAPACITOR
 - FLAT FOIL POLYESTER CAPACITOR
 - MINIATURE ELECTROLYTIC CAPACITOR
- * b = 4V f = 25V
d = 10V g = 40V
e = 16V h = 63V

CIRCUIT IS DRAWN IN POSITION LW
LE CIRCUIT EST DESSINE EN POSITION GO

NO FM SIGNAL
PAS DE SIGNAL FM
TUNING IND = MIN.



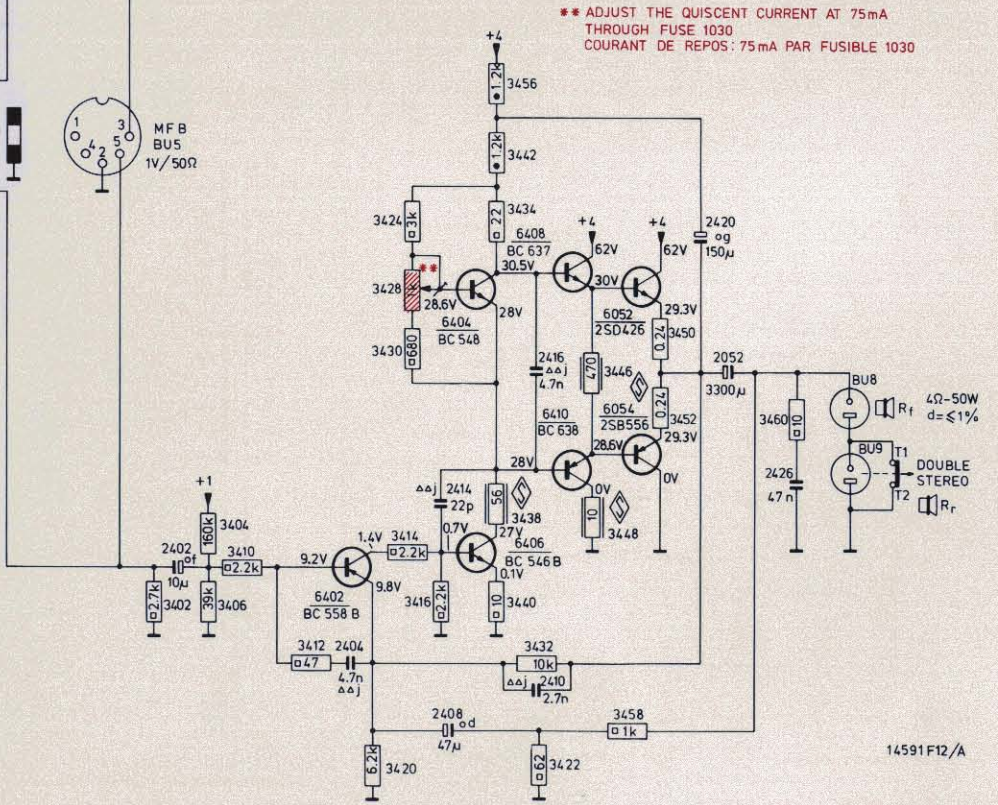
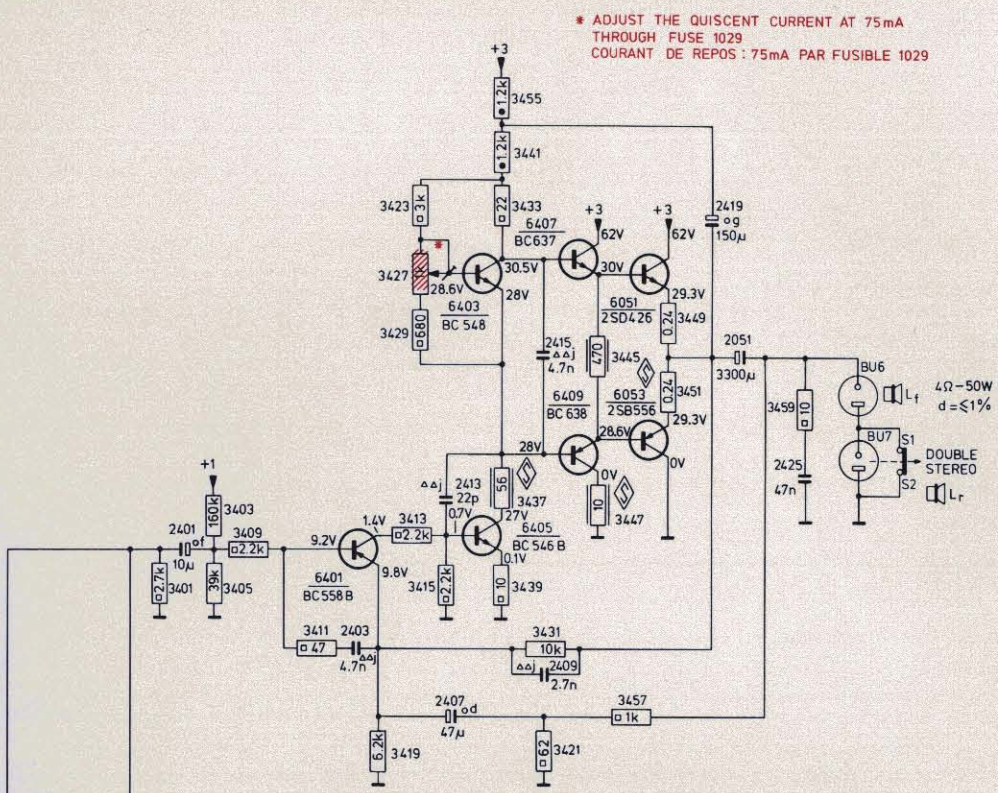
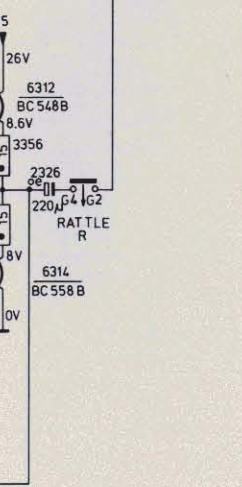
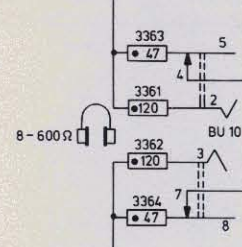
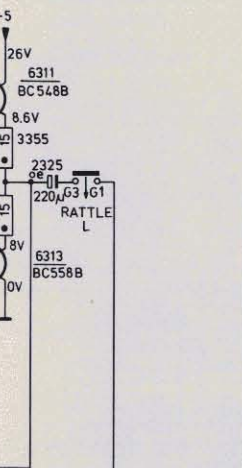
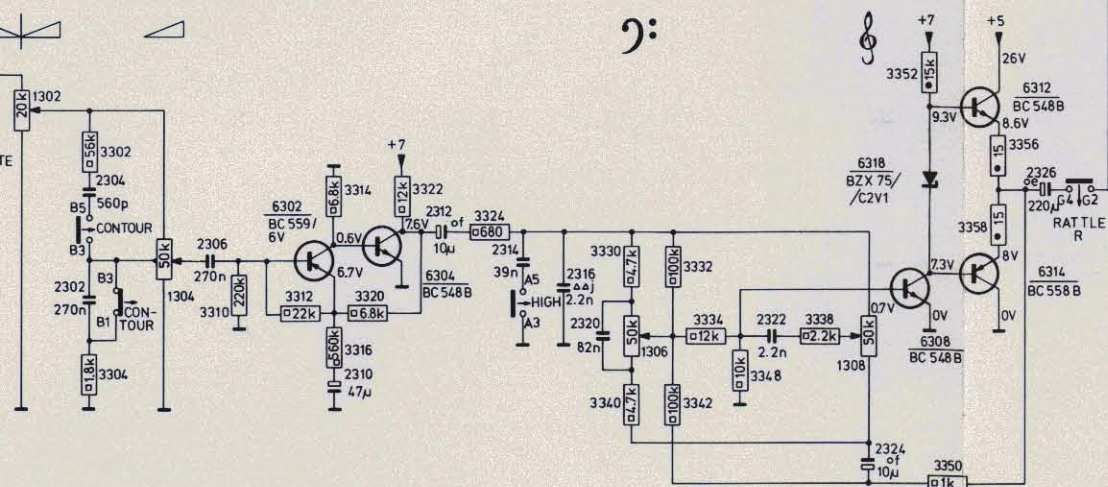
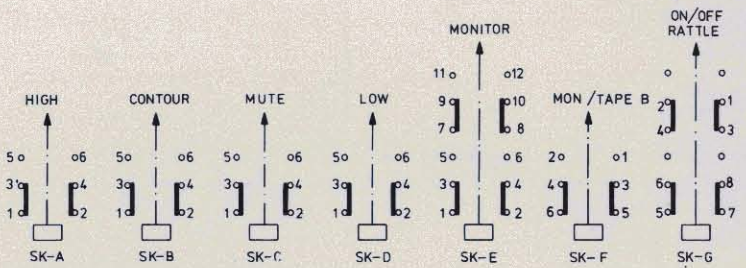
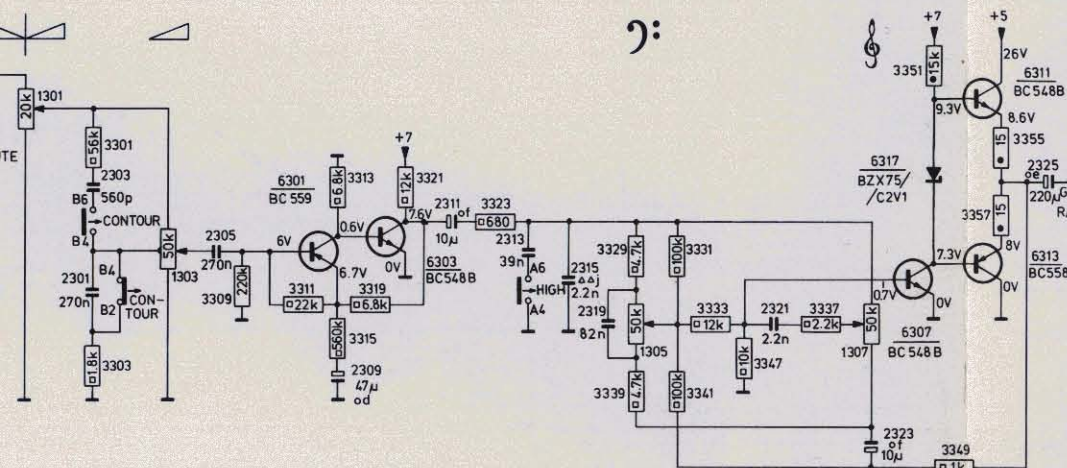
ELECTRONIC VOLTMETER
 $\geq 40 \text{ k}\Omega/\text{V}$



LW
MW
FM
TAPE
PU

DIAL LAMPS

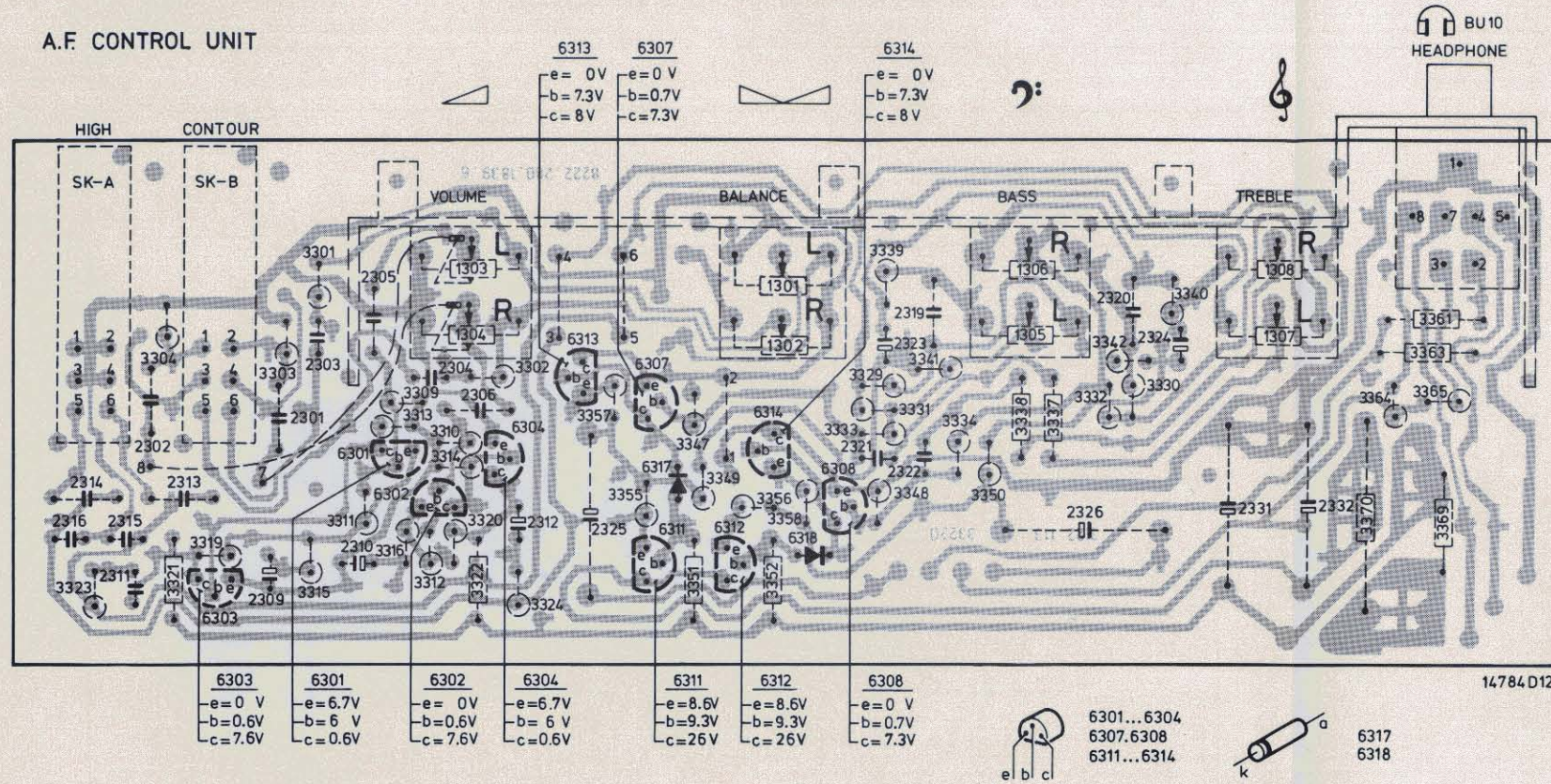
| TS 6301 | | TS 6303 | | D6317 | | TS 6307, 6311, 6313 | | | | TS 6401 | | TS 6403, 6405, 6407, 6409, 6051 6053 | | M | | | | | | | | | | | | |
|---------|------|---------|------|-------|------|---------------------|------|------|------|---------|------|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| TS 6302 | | TS 6304 | | D6318 | | TS 6308, 6312, 6314 | | | | TS 6402 | | TS 6404, 6406, 6408, 6410, 6052, 6054 | | M | | | | | | | | | | | | |
| 2301 | 2303 | 2305 | 2309 | 2311 | 2313 | 2315 | 2319 | 2321 | 2323 | 2325 | 2401 | 2403 | 2407 | 2413 | 2409 | 2415 | 2419 | 2051 | 2425 | | | | | | | |
| 2302 | 2304 | 2306 | 2310 | 2312 | 2314 | 2316 | 2320 | 2322 | 2324 | 2326 | 2402 | 2404 | 2408 | 2414 | 2416 | 2416 | 2420 | 2052 | 2426 | | | | | | | |
| 1301 | 3301 | 1303 | 3309 | 3311 | 3313 | 3319 | 3321 | 3323 | 3324 | 3326 | 3401 | 3403 | 3411 | 3423 | 3427 | 3429 | 3433 | 3455 | 3441 | 3445 | 3447 | 3449 | 3459 | | | |
| | 3303 | | | | 3315 | | | 3339 | 3341 | | | 3405 | | 3419 | 3413 | 3415 | 3437 | 3439 | 3431 | 3421 | 3457 | 3451 | | | | |
| 1302 | 3302 | 1304 | 3310 | 3312 | 3314 | 3320 | 3322 | 3324 | 3330 | 1306 | 3332 | 3334 | 3348 | 3338 | 1308 | 3352 | 3356 | 3362 | | | | | 3450 | 3460 | | |
| | 3304 | | | | 3316 | | | 3340 | 3342 | | | 3350 | 3358 | 3364 | | | 3406 | 3420 | 3414 | 3416 | 3438 | 3440 | 3432 | 3422 | 3458 | 3452 |



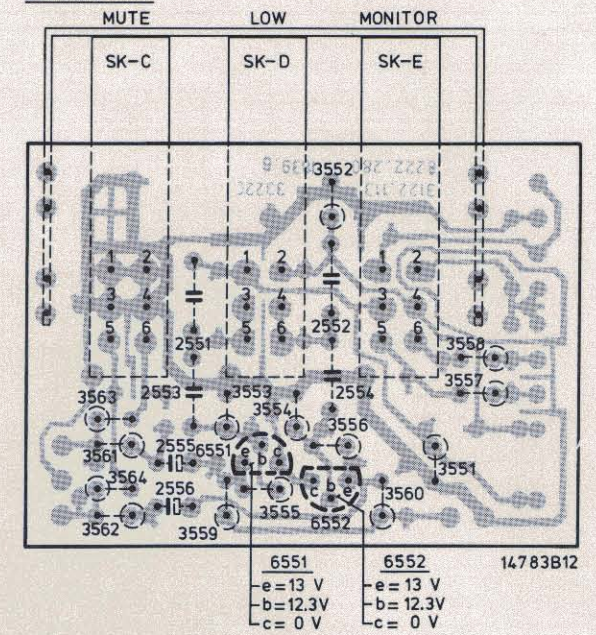
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|-------|------------------|-----------|------------------------------------|--|-------------------------------|---------------------|----------------|-----------------------|-------------|
| MISC. | SK-A | SK-B.6303 | 6301.6302 | 6304 | 6313.6307.6317.6311 | 6314 | 6308 | BU10 | MISC. |
| C | 2313...2316.2311 | 2302 | 2309.2301.2303.2310.2305.2304.2306 | 2312 | 2325 | 2319...2323 | 2326.2320.2324 | 2331 | 2332 |
| R | 1331...3334 | 3323.3304 | 3321.3319.3303 | 3301.3309...3316.3322.1303.1304.3320.3302.3324 | 1301.1302.3333.3325.3331.3334 | 1306.1305.3332.3330 | 1308.1307 | 1301...3334 | |
| | 3335...3370 | | | 3357.3355.3347.3351.3349.3356.3352.3358 | 3339.3348.3341.3350.3338 | 3342 | 3340 | 3370.3361...3365.3369 | 3335...3370 |

| | | |
|-------|---------------------|------------------|
| MISC. | 6551 | 6552 |
| C | 2555.2556.2551.2553 | 2552.2554 |
| R | 3561...3564 | 3559.3552...3556 |
| | 3560 | 3551.3557.3558 |

A.F. CONTROL UNIT

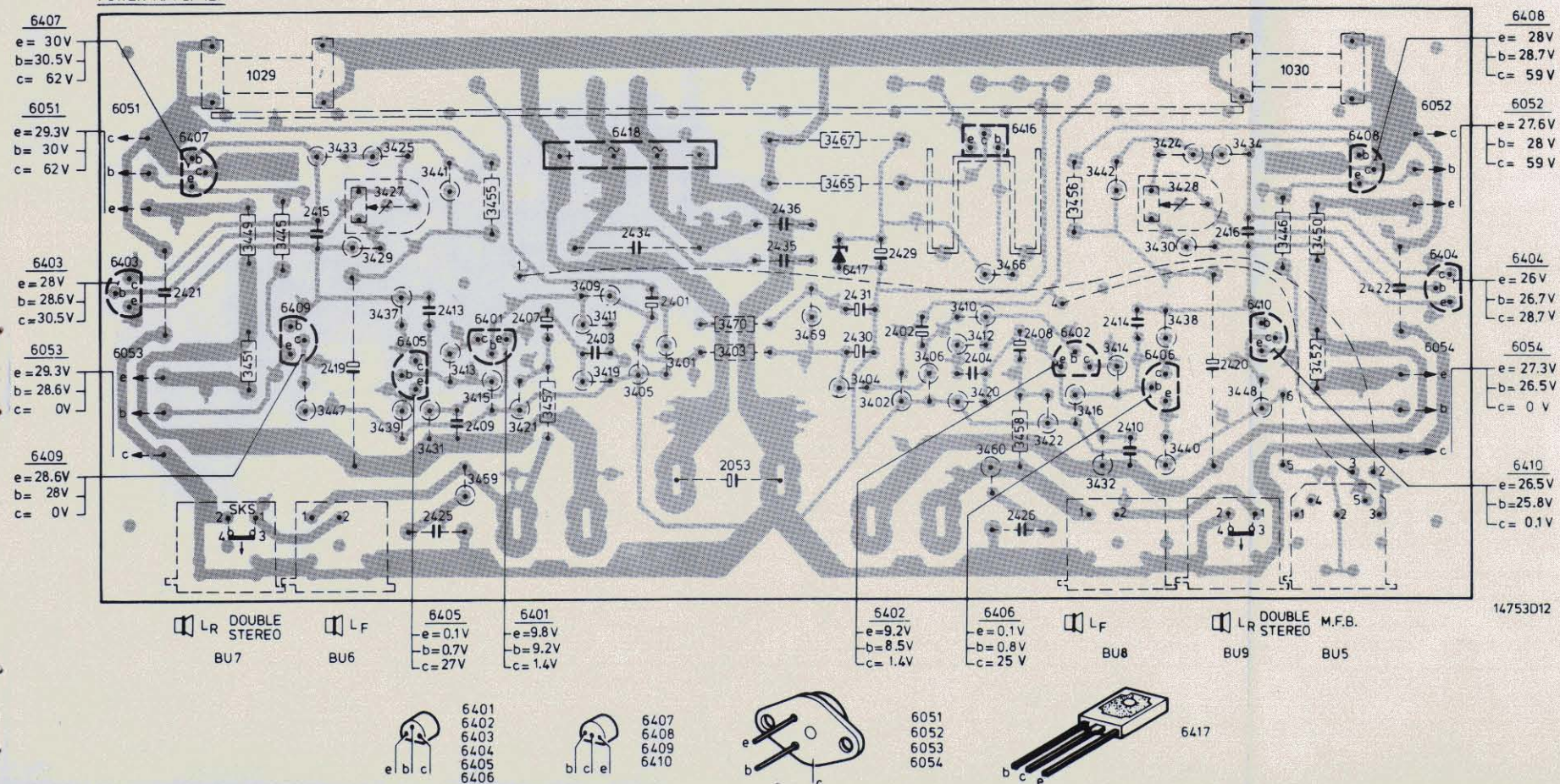


FEATURE UNIT



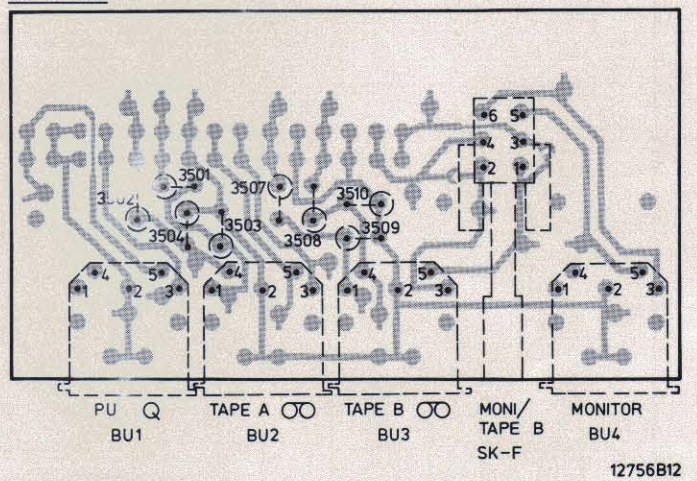
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|-------|-------------|----------|--|----------------|------|----------------|---------------------------------|---|-----------|-----------|-------------|-------------------|------|------|-------|
| MISC. | 6403 | 6407.BU7 | 1029.6409 | BU6 | 6405 | 6401 | 6418 | 6417 | 6416 | 6402.BU8 | 6406 | BU9.6410.1030.BU5 | 6408 | 6404 | MISC. |
| C | 3401...3429 | 2421 | 2415.2419 | 2425.2413.2409 | 2407 | 2403.2434.2401 | 2053.2436.2435.2429...2431.2402 | 2404.2426.2408 | 2414.2410 | 2416.2420 | 2422 | 3401...3429 | | | |
| R | 3430...3470 | | 3449.3451.3445.3447.3433.3437.3439.3441.3431.3455.3457 | | | 3470 | 3469.3467.3465 | 3460.3466.3458.3456.3432.3442.3430.3438.3440.3448.3434.3446.3450.3452 | | | 3430...3470 | | | | |

POWER AMPLIFIER

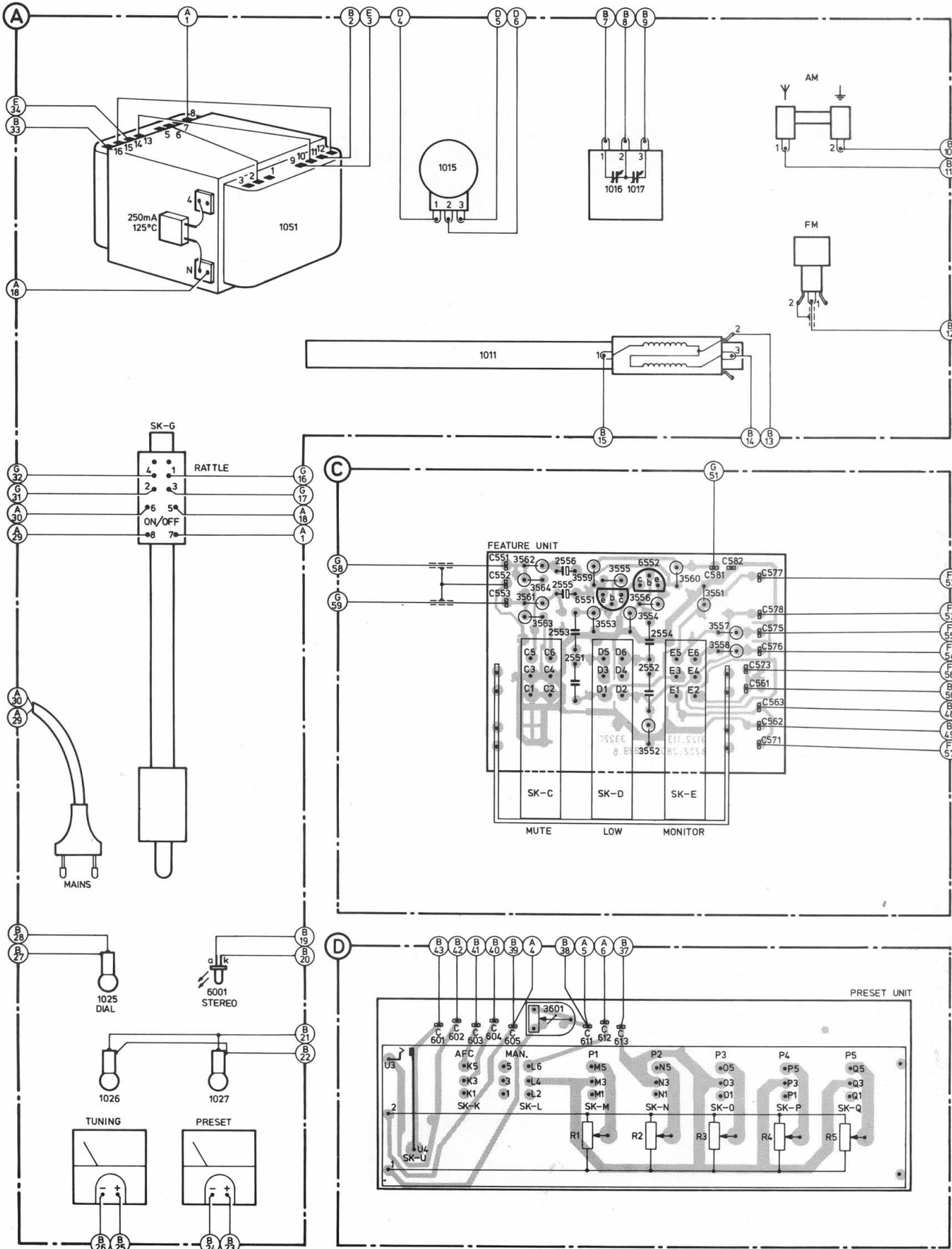


| | | | | | | |
|-------|--------------------------------------|-----|-----|------|-----|-------|
| MISC. | BU1 | BU2 | BU3 | SK-F | BU4 | MISC. |
| R | 3502.3504.3501.3503.3507.3508...3510 | | | | | |

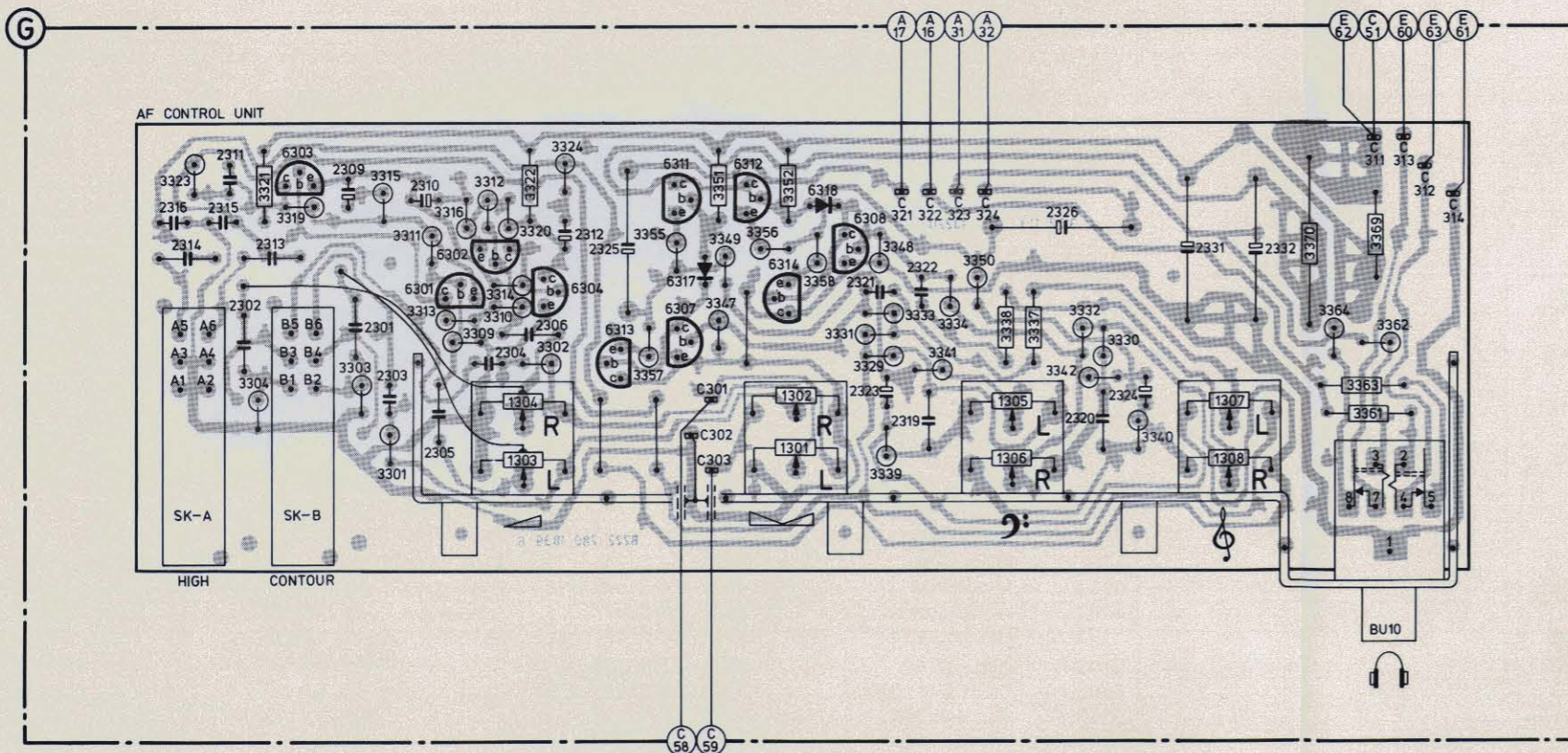
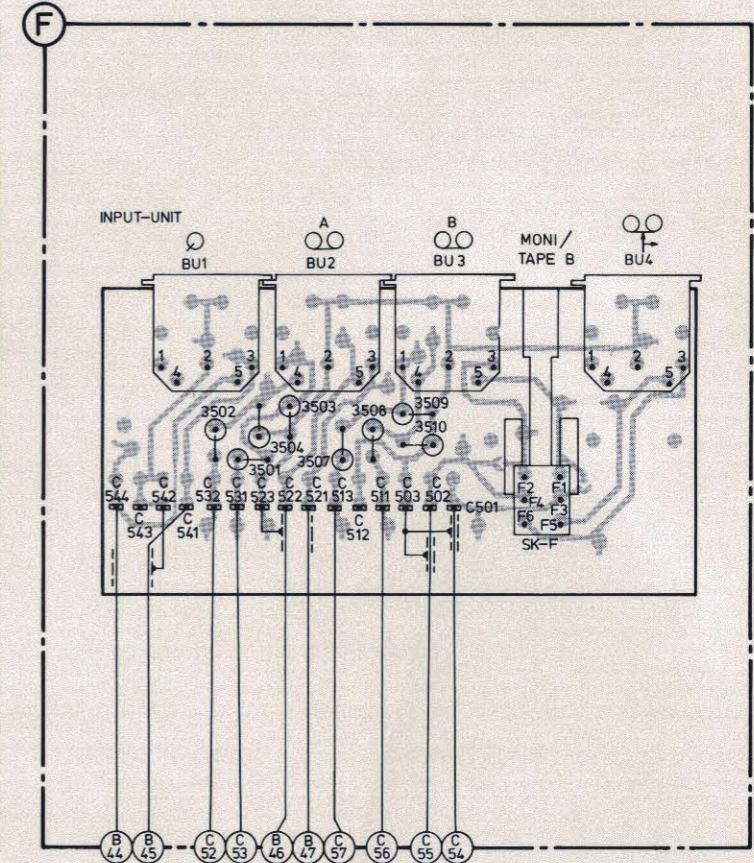
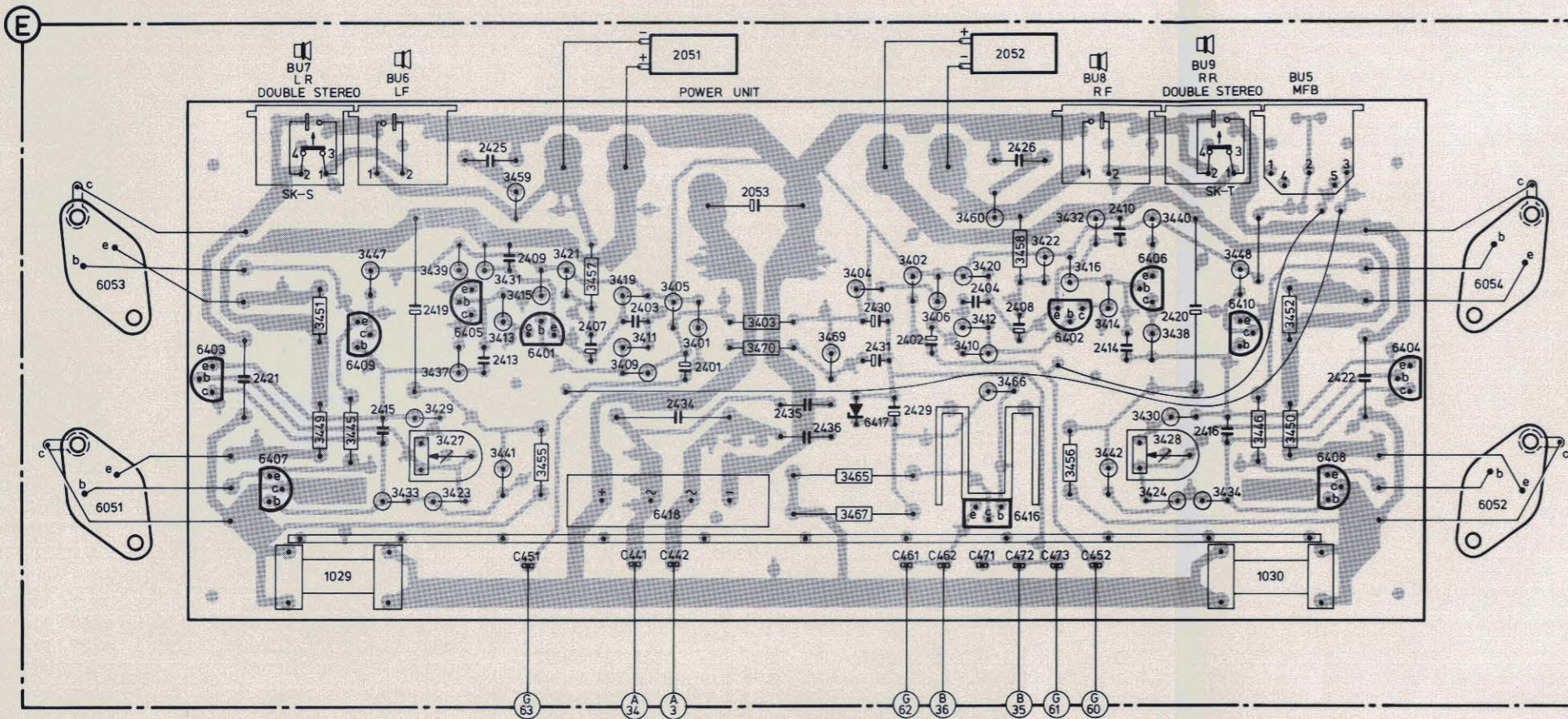
INPUT UNIT

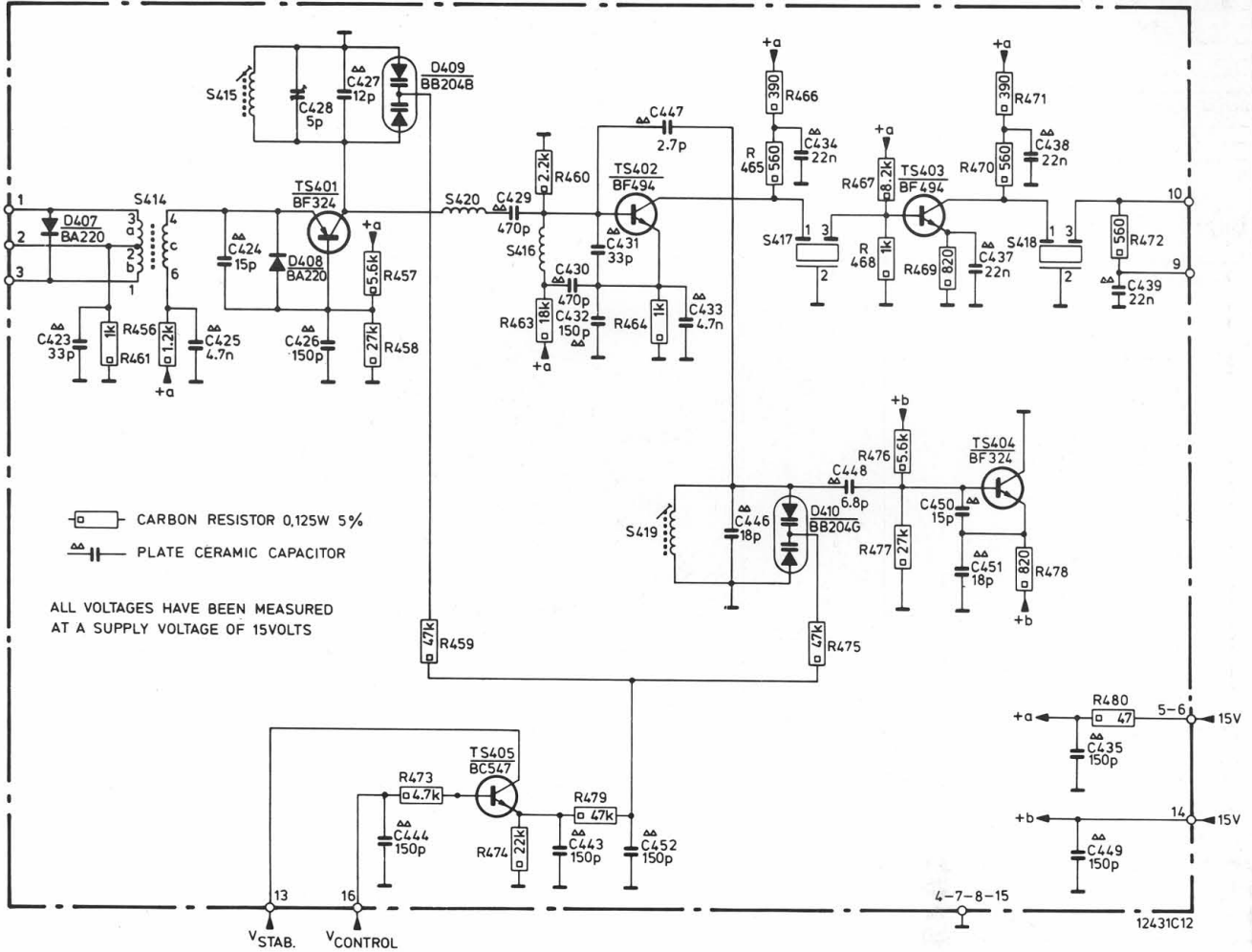


| | | | | | | | | | |
|-------|----------------|-----------|---|------|--------------------------|----------------|------|------|------|
| MISC. | 1025,1026,SK-G | 6001,1027 | SK-U | SK-K | SK-C,SK-L,SK-D,SK-M,SK-N | 6551,6552,SK-E | SK-O | SK-P | SK-Q |
| S | 1051 | | 1011 | | | | | | |
| C | 1016...2129 | | 1016,1017 | | | | | | |
| R | 2130...2150 | | 2556,2555,2553,2551 | | | | | | |
| | 2151...2556 | | R1 | | R2 | | R3 | | R4 |
| | 3101...3134 | | R1 | | R2 | | R3 | | R5 |
| | 3135...3164 | | | | | | | | |
| | 3165...3199 | | | | | | | | |
| | 3200...3601 | | 3561...3564 3559,3553...3556,3552,3560,3551,3557,3558 | | | | | | |

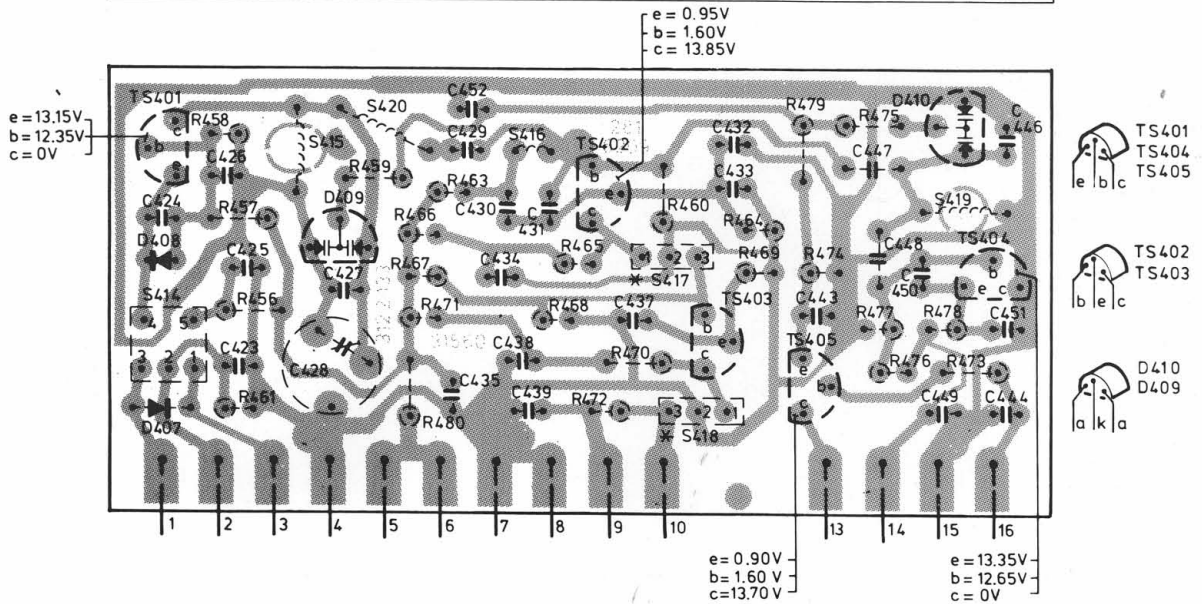


| | | | | | | | | | | | | | | | | | |
|-------|----------------|------------------|---|--|----------------|--|-------------------------------|----------------------------|----------------|---------------------|-----------|---------------------|------|------|-----------|------|-------------|
| MISC. | 6051.6053.SK-A | 6403.SK-B.6407 | SK-S | 6409 | 6405 | 6401 | 6418 | 6417 | 6416 | 6402 | 6406 | SK-T.6410 | 6408 | 6404 | 6052.6054 | SK-F | MISC. |
| MISC. | 6303 | 1029.6301.6302 | | | | 6304 | 6313.6311.6307.6317.6312.6314 | 6318 | 6308 | | | 1030 | | | | | MISC. |
| C | 2051...2332 | 2313...2316.2311 | 2302.2309.2301.2303.2310.2305.2304.2306 | 2312.2325 | 2051 | 2053.2321...2323.2319 | 2320.2326.2324.2052 | 2331 | 2332 | | | | | | | | 2051...2332 |
| | 2401...2445 | 2421 | 2415 | 2419 | 2425.2413.2409 | 2407 | 2403.2434.2401 | 2435.2436.2429...2431.2402 | 2404.2426.2408 | 2414.2410 | 2420.2416 | | | | | | 2401...2445 |
| | 1301...3319 | 3304 | 3319.3303 | 3301.3310...3316.3309.1304.1303.3302 | | 1302.1301 | 1305.1306 | | | | 1307.1308 | | | | | | 1301...3319 |
| | 3320...3370 | 3323 | 3321 | 3320.3322.3324.3355.3357.3351.3349.3347.3356.3352.3358.3331.3339.3329.3348.3333.3341.3334.3350.3337.3338.3332.3330.3342.3340.3370.3361...3364.3369 | | | | | | | | | | | | | 3320...3370 |
| R | 3401...3434 | | | 3433.3429.3427.3423.3413.3431.3415.3421.3419.3409.3411.3405.3401.3403.3407 | 3404 | 3402.3406.3410.3412.3420.3422.3432.3416.3414.3430.3424.3428.3434 | | | | | | | | | | | 3401...3434 |
| | 3435...3510 | | 3449.3451.3445 | 3439 | 3437 | 3441.3459.3455 | 3457 | 3469.3465.3467 | 3460 | 3466.3458.3456.3442 | 3440.3438 | 3448.3446.3450.3452 | | | | | 3435...3510 |



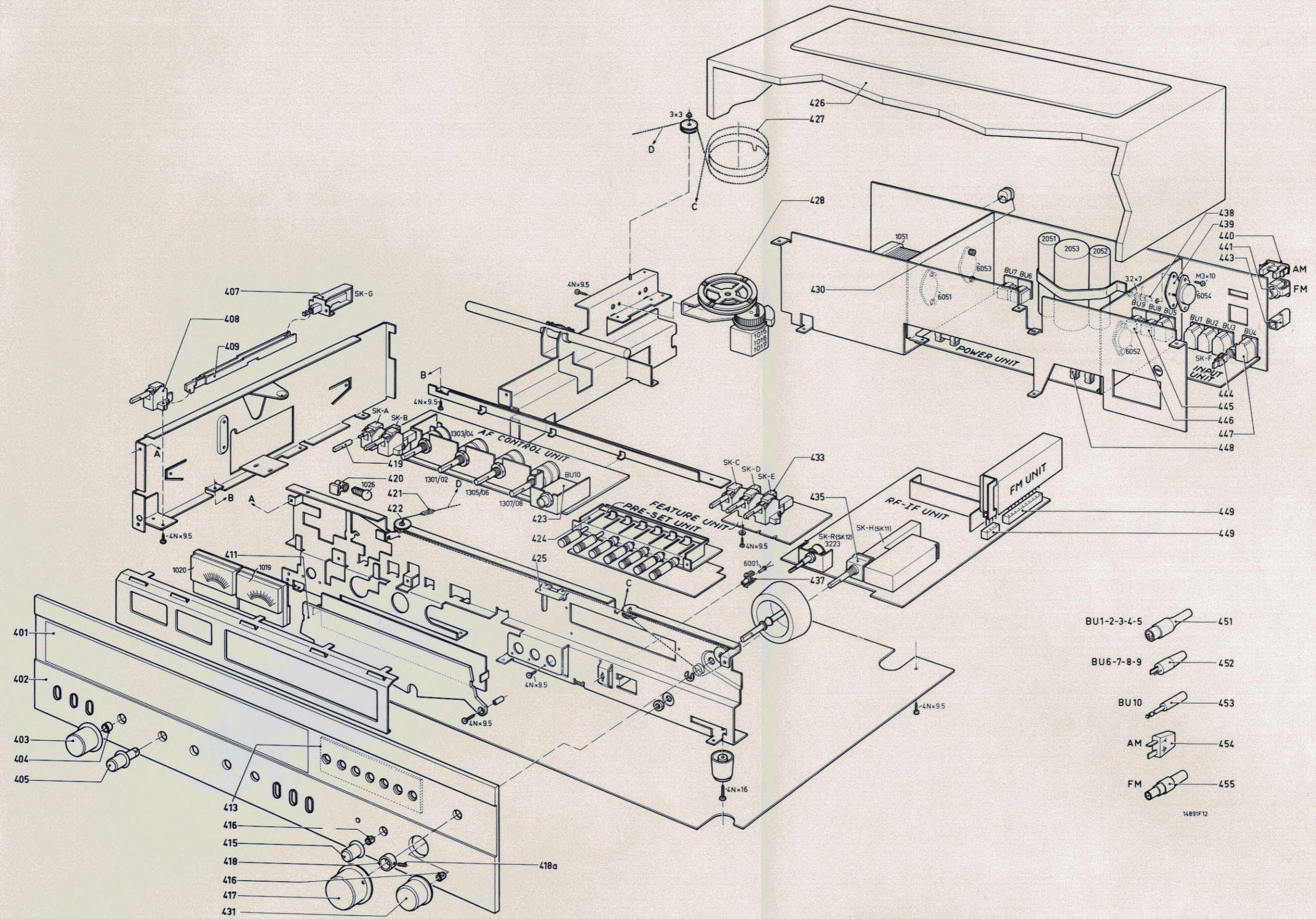


| | | | | | | | | | | | | | | | | |
|------|-------------------------------------|------|------|------|------|------|-------|------|------|------|-------|------|-------|-------|-----|-----|
| MISC | TS401 | D408 | S415 | D409 | S420 | S416 | TS402 | S417 | D410 | S419 | TS404 | | | | | |
| MISC | S414 | D407 | | | | | | | | | | S418 | TS403 | TS405 | | |
| C | 424 | 426 | 425 | 423 | 428 | 427 | 452 | 429 | 430 | 434 | 431 | 432 | 433 | 447 | 448 | 446 |
| C | 435 438 439 437 443 450 449 444 451 | | | | | | | | | | | | | | | |
| R | 458 | 457 | 459 | 466 | 467 | 463 | 465 | 460 | 464 | 469 | 474 | 475 | 477 | 476 | 478 | 473 |
| R | 461 | 456 | 471 | 480 | 468 | 472 | 470 | 479 | 478 | 475 | 476 | 477 | 478 | 479 | 480 | 477 |



LIST OF ELECTRICAL PARTS

| -Miscellaneous- | | | | | |
|------------------------|---------------------------|----------------|-----------------------------|--------------------------|----------------|
| 1001 | FM-tuner | 4822 210 10189 | 5110 | Osc. coil | 4822 156 30579 |
| | Mains transformer | 4822 146 40238 | 5111 | Pxe resonator 460 kHz/15 | 4822 242 70256 |
| 1011 | Ferroceptor | 4822 158 60405 | 5111 | Pxe resonator 470 kHz/22 | 4822 242 70257 |
| 1015-1017 | Potm.gang cap. comb. | 4822 125 20205 | 5111 | Pxe resonator 452 kHz | 4822 242 70255 |
| 1019 | Indicator pre-set | 4822 347 10166 | 5112 | Filter coil | 4822 156 20743 |
| 1020 | Indicator tuning | 4822 347 10167 | 6101 | IC UA723CA | 5322 209 84655 |
| 1025 | Lamp 6,3 A, 250 mA | 4822 134 40007 | 6102 | IC TBA570A | 4822 209 80358 |
| 1026-1027 | Lamp 6,3 V, 100 mA | 4822 134 40326 | 6103 | IC TDA1005 | 4822 209 80315 |
| 6001 | Led. LD37/l green | 4822 130 30923 | 6104 | IC NE542V | 4822 209 80359 |
| 3601 | Trimmer potm. 220 kΩ | 4822 100 10088 | 6105-6108 | Trans. BC548 | 4822 130 40938 |
| | | | 6106-6107 | Trans. BF494 | 5322 130 44195 |
| | | | 6109 | Trans. BC559 | 4822 130 40963 |
| | | | 6110-6111 | Trans. BC548b | 4822 130 40937 |
| | | | 6113-6114 | Trans. BC559b | 5322 130 44358 |
| | | | 6115-6116 | Trans. BC548c | 5322 130 44196 |
| | | | 6119-6126 | Diode BAW62 | 5322 130 30613 |
| | | | 6121 | Diode BA315 | 4822 130 30843 |
| | | | 6122-6123 | Diode pair ZAA119 | 4822 130 30312 |
| | | | 6124 | Diode AA119 | 5322 130 40229 |
| | | | 6130 | Diode BZX79/C16 | 5322 130 34268 |
| RF-IF unit | | | AF control unit | | |
| 2121 | Plate cap -20+80 % -22 nF | 4822 122 30103 | 1301-1302 | Tand.potm.balance 20 kΩ | 4822 102 10144 |
| 2122 | Plate cap -20+80 % -22 nF | 4822 122 30103 | 1303-1304 | Tand.potm.vol. 50 kΩ | 4822 102 10142 |
| 2123 | Micro poco 2 % -5,6 nF | 4822 121 50543 | 1305-1308 | Tand.potm. tone 50 kΩ | 4822 102 10143 |
| 2124 | Elco 40 V-47 μF | 4822 124 20477 | 2301 | Flat cap. 270 nF - 10 % | 4822 121 40431 |
| 2126 | Micro poco 1 % -187 pF | 4822 121 50651 | 2302 | Flat cap. 270 nF - 10 % | 4822 121 40431 |
| 2128 | Micro poco 5 % -3 nF | 4822 121 50414 | 2305 | Flat cap. 270 nF - 10 % | 4822 121 40431 |
| 2130 | Trimmer 10 pF | 4822 125 50062 | 2306 | Flat cap. 270 nF - 10 % | 4822 121 40431 |
| 2131 | Trimmer 22 pF | 4822 125 50045 | 2303-2304 | Plate cap. 560 pF - 2 % | 4822 122 30126 |
| 2132 | Micro poco 1 % -316 pF | 4822 121 50531 | 2313-2314 | Flat cap. 39 nF - 100 % | 4822 121 40413 |
| 2133 | Micro poco 1 % -365 pF | 4822 121 50551 | 2319-2320 | Flat cap. 82 nF - 10 % | 4822 121 41158 |
| 2134 | Plate cap 5 % -10 pF | 4822 122 31195 | 2321-2322 | Micro poco 2,2 nF - 1 % | 4822 121 50415 |
| 2136 | Elco 6,3 V-68 μF | 4822 124 20453 | 6301-6302 | Trans. BC559 | 4822 130 40963 |
| 2101 | Plate cap -20+80 % -7 nF | 4822 122 31125 | 6303-6304 | Trans. BC548b | 4822 130 40937 |
| 2102 | Plate cap -20+80 % -4,7 W | 4822 122 31125 | 6307-6308 | Trans. BC548b | 4822 130 40937 |
| 2111 | Plate cap -20+80 % -4,7 W | 4822 122 31125 | 6311-6312 | Trans. BC548b | 4822 130 40937 |
| 2104 | Plate cap -20+80 % -10 nF | 4822 122 30043 | 6313-6314 | Trans. BC558b | 5322 130 44197 |
| 2105 | Plate cap -20+80 % -10 nF | 4822 122 30043 | 6317-6318 | Diode BZX75/C2V1 | 5322 130 34049 |
| 2108 | Plate cap -20+80 % -10 nF | 4822 122 30043 | Power amplifier unit | | |
| 2112 | Plate cap -20+80 % -10 nF | 4822 122 30043 | 2051-2052 | Elco -80 V - 3300 μF | 4822 124 70266 |
| 2138 | Plate cap -20+80 % -10 nF | 4822 122 30043 | 2053 | Elco -80 V - 4700 μF | 4822 124 70267 |
| 2144 | Flat cap 10 % -10 nF | 5322 121 44002 | 2525-2526 | Flat cap. 47 nF - 10 % | 4822 121 40525 |
| 2156 | Flat cap 10 % -10 nF | 5322 121 44002 | 2430-2431 | Elco 63 V - 10 μF | 4822 124 20496 |
| 2157 | Flat cap 10 % -10 nF | 5322 121 44002 | 2053 | Elco 63 V - 4700 μF | 4822 124 70198 |
| 2170 | Flat cap 10 % -10 nF | 5322 121 44002 | 2435-2436 | Flat cap. 47 nF | 4822 121 40336 |
| 2171 | Flat cap 10 % -10 nF | 5322 121 44002 | 3403-3404 | Met.film res. 150 kΩ | 5322 116 54713 |
| 2115-2141 | Plate cap 2 % -120 pF | 4822 122 30093 | 3405-3406 | Met.film res. 33 kΩ | 5322 116 54217 |
| 2151 | Flat cap 10 % -470 nF | 4822 121 40438 | 3419-3420 | Met.film res. 6,2 kΩ | 5322 116 50608 |
| 2166 | Flat cap 10 % -100 nF | 4822 121 41161 | 3431-3432 | Met.film res. 10 kΩ | 5322 116 54619 |
| 2180 | Flat cap 10 % -100 nF | 4822 121 41161 | 3437-3438 | Saf.res. SR25 56 Ω | 4822 111 30412 |
| 2181 | Flat cap 10 % -100 nF | 4822 121 41161 | 3445-3446 | Saf.res. 470 Ω | 4822 111 30411 |
| 2168 | Elco tant 3 V - 10 μF | 5322 124 14084 | 3447-3448 | Saf.res. SR25 10 Ω | 4822 111 30405 |
| 2174 | Flat cap 10 % -33 nF | 4822 121 40411 | 3465 | Saf.res. SR68 22 Ω | 4822 111 50346 |
| 2175 | Plate cap 2 % -330 pF | 4822 122 30055 | 3449-3450 | Res. vitr. R24 2 W | 4822 113 60108 |
| 2176 | Plate cap 2 % -220 pF | 4822 122 31173 | 3451-3452 | Res. vitr. R24 2 W | 4822 113 60108 |
| 3103 | Trim potmeter 47 kΩ | 4822 100 10079 | 6401-6402 | Trans. BC558b | 5322 130 44197 |
| 3104 | Trim potmeter 220 kΩ | 5322 100 10088 | 6403-6404 | Trans. BC548 | 4822 130 40938 |
| 3116 | Trim potmeter 2,2 kΩ | 4822 100 10029 | 6405-6406 | Trans. BC546b | 5322 130 44461 |
| 3197 | Trimmer potm.spec. 10 kΩ | 4822 100 10202 | 6407-6408 | Trans. BC637 | 4822 130 41041 |
| 3120 | Trim. potmeter 4.7 kΩ | 4822 100 10036 | 6409-6410 | Trans. BC638 | 4822 130 41087 |
| 3126 | VDR | 4822 116 20073 | 6051-6052 | Trans. 2SD425 | 4822 130 41213 |
| 3143 | Trim potmeter 100 kΩ | 4822 100 10052 | 6053-6054 | Trans. 2SB555 | 4822 130 41238 |
| 3223 | Potm. + switch 220 kΩ | 4822 101 50217 | 6416 | Trans. BD233 | 5322 130 44281 |
| 3188 | Saf.res. SR25 39 Ω | 4822 111 30409 | 6417 | Diode BZX79/C36 | 5322 130 34098 |
| 3154 | Saf.res. SR68 22 Ω | 4822 111 50346 | 6418 | Br.rec. B80 | |
| 3218-3219 | Saf.res. SR37 1,2 Ω | 4822 111 30385 | | CS500/3300 | 4822 130 50311 |
| 3228 | Saf.res. SR25 150 Ω | 4822 111 30406 | Feature unit | | |
| 5101 | IF coil FM | 4822 153 50205 | 2551-2552 | Flat cap. 8,2 nF-10 % | 4822 121 40147 |
| 5102 | IF coil AM | 4822 156 30578 | 2553-2554 | Flat cap. 270 nF-10 % | 4822 121 40431 |
| 5103 | IF coil AM | 4822 156 30577 | 6551-6552 | Trans. BC559b | 5322 130 44358 |
| 5104 | Det. coil prim. | 4822 153 50207 | | | |
| 5105 | Det. coil sec. | 4822 153 50208 | | | |
| 5106 | Coil fixed 100 μH | 4822 156 30581 | | | |
| 5107 | Aer. coil AM | 4822 156 30564 | | | |
| 5108 | IF rejection coil | 4822 156 30582 | | | |
| 5109 | IF absorbtion coil | 4822 156 30583 | | | |



- BU1-2-3-4-5 — 451
- BU6-7-8-9 — 452
- BU10 — 453
- AM — 454
- FM — 455

| | |
|------|----------------|
| 401 | 4822 459 40318 |
| 402 | 4822 426 50279 |
| 403 | 4822 413 50982 |
| 404 | 4822 492 61974 |
| 405 | 4822 413 30762 |
| 407 | 4822 276 10651 |
| 408 | 4822 691 10245 |
| 409 | 4822 278 50075 |
| 411 | 4822 333 40229 |
| 413 | 4822 459 50233 |
| 414 | 4822 459 50234 |
| 415 | 4822 413 30695 |
| 416 | 4822 532 10284 |
| 417 | 4822 413 50983 |
| 418 | 4822 532 60676 |
| 418a | 4822 502 10176 |
| 419 | 4822 411 40023 |
| 420 | 4822 255 10007 |
| 421 | 4822 492 31225 |
| 422 | 4822 528 80155 |
| 423 | 4822 267 30277 |
| 424 | 4822 276 70062 |
| 425 | 4822 450 80558 |
| 426 | 4822 426 90047 |
| 427 | 4822 321 30215 |
| 428 | 4822 125 20205 |
| 430 | 5322 325 64054 |
| 431 | 4822 413 50928 |
| 432 | 4822 522 31238 |
| 433 | 4822 277 10451 |
| 434 | 4822 277 30605 |
| 435 | 4822 278 90326 |
| 437 | 4822 256 90201 |
| 438 | 4822 532 60653 |
| 439 | 5322 466 90433 |
| 440 | 4822 267 30213 |
| 441 | 4822 268 40092 |
| 443 | 4822 410 21877 |
| 444 | 4822 276 10647 |
| 445 | 4822 267 30271 |
| 446 | 4822 267 30264 |
| 447 | 4822 267 40209 |
| 448 | 4822 256 30142 |
| 449 | 4822 267 50209 |
| 451 | 4822 264 40023 |
| 452 | 4822 264 30041 |
| 453 | 4822 264 30011 |
| 454 | 4822 264 30042 |
| 455 | 4822 264 30104 |

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.

D

Die Sicherheitsvorschriften erfordern, dass das Gerät sich nach der Reparatur in seinem originalen Zustand befindet und dass die benutzten Einzelteile den aufgeführten Teilen identisch sind.

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 af 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.

N

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

SF

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

Service
Service
Service



15828B12

Service Manual

(GB)

For the 22AH796/00R/15R/22R/29R we refer to the service manuals of the 22AH796/00/15/22/29. Please note the differences mentioned below:

(F)

Pour les 22AH796/00R/15R/22R/29R, nous vous prions de vous reporter à la Documentation Technique des 22AH796/00/15/22/29 tout en tenant compte des différences ci-dessous:

(I)

Per i 22AH796/00R/15R/22R/29R vi preghiamo di riferirvi alla Documentazione di servizio dei 22AH796/00/15/22/29 teneute però presente le differenze di cui sotto:

(DK)

For 22AH796/00R/15R/22R/29R henvises der til service manual for 22AH796/00/15/22/29 med undtagelse af nedennævnte afvigelser:

(SF)

Laitteen 22AH796/00R/15R/22R/29R osalta viittaamme huolto-ohjeeseen 22AH796/00/15/22/29. Huomaa alla mainitut erot:

(NL)

Voor de 22AH796/00R/15R/22R/29R verwijzen wij naar de servicedocumentatie van resp. de 22AH796/00/15/22/29, waarbij onderstaande verschillen in acht moeten worden genomen.

(D)

Für die Geräte 22AH796/00R/15R/22R/29R verweisen wir auf die Service-Dokumentation der Geräte 22AH796/00/15/22/29. Dabei unten erwähnte Unterschiede zu beachten.

(S)

För 22AH796/00R/15R/22R/29R se service manual. För 22AH796/00/15/22/29 men observera de nedan Angivna skillnaderna.

(N)

For 22AH796/00R/15R/22R/29R henvises til service manual 22AH796/00/15/22/29. Vennligst bemerk forskjellene nevnt nedenfor.

Pos. nr. in exploded view
No. rep. dans vue éclatée

411
402
419
403
431
405
415
417
424

Service code/code service
for/des: /00R/15R/22R/29R

4822 333 40227
4822 426 50323
4822 411 50463
4822 413 50962
4822 413 50963
4822 413 30736
4822 413 30737
4822 413 50961
4822 276 70064

Pos. nr. in list of electrical parts
No. rep. dans liste des pièces
électriques

1019 Indicator pre-set
1020 Indicator tuning

4822 347 10191
4822 347 10192



Service mededeling

PHILIPS NEDERLAND B.V. - EINDHOVEN
TECHNISCHE SERVICE

Ref. 239 PH

Type 22 AH 796

Datum januari '80

RADIO

De net/rattleschakelaar pos. 407 is verbeterd.

De platte contacten van de rattleschakelaar zijn vervangen door puntcontacten en tevens is de contactdruk verhoogd. Zie fig. 1.

De nieuwe schakelaar wordt onder het oude bestelnummer 4822 276 10651 geleverd.

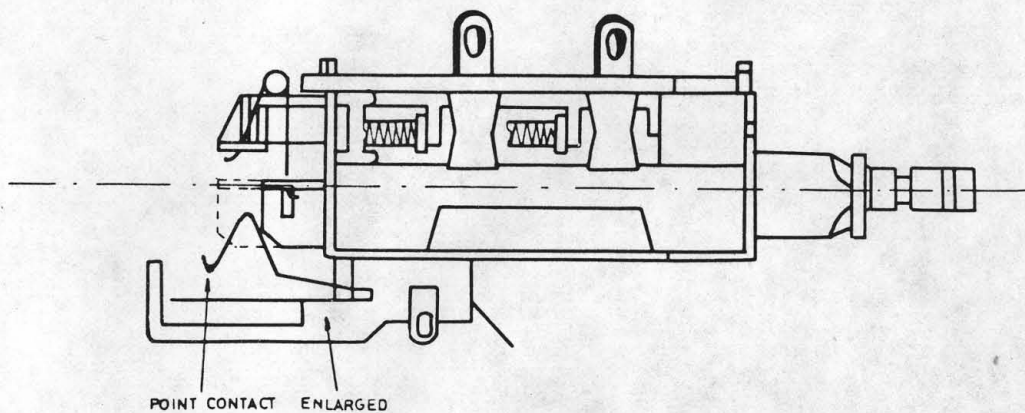


Fig. 1

A79-256



PHILIPS