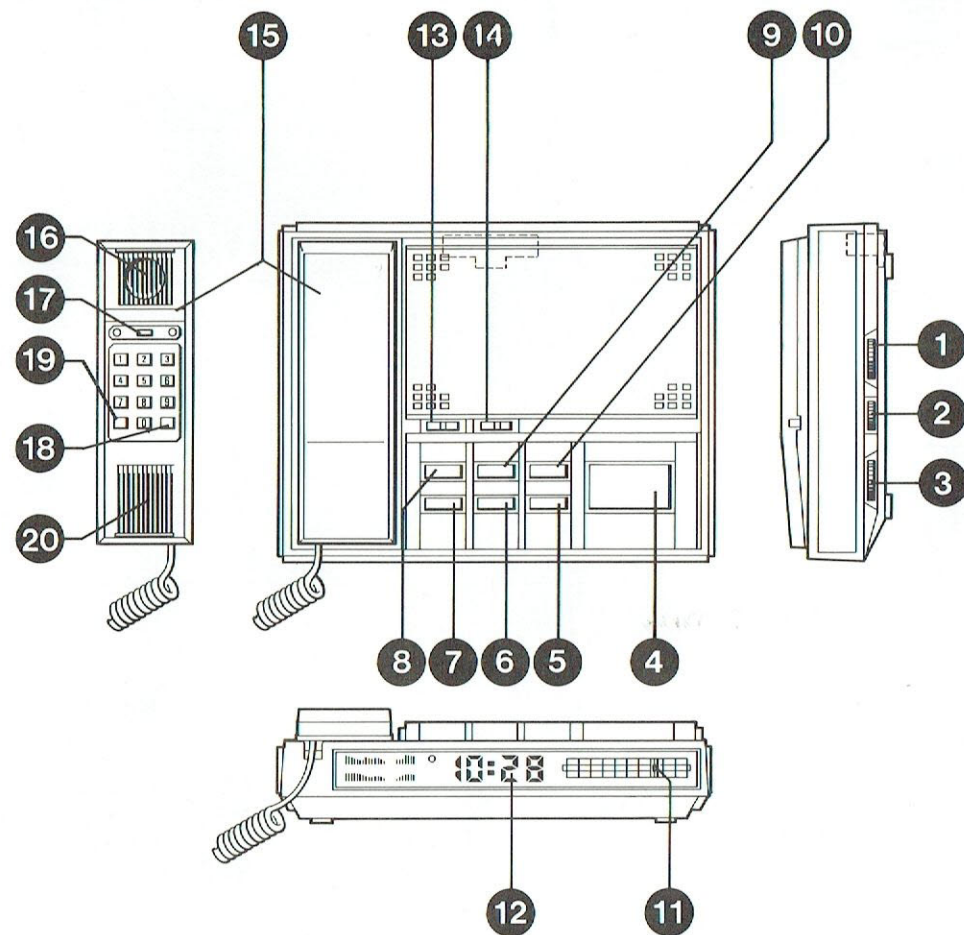


Service
Service
Service

Service Manual

Agréé P.T.T. sous le no 84-118P du 19-11-84



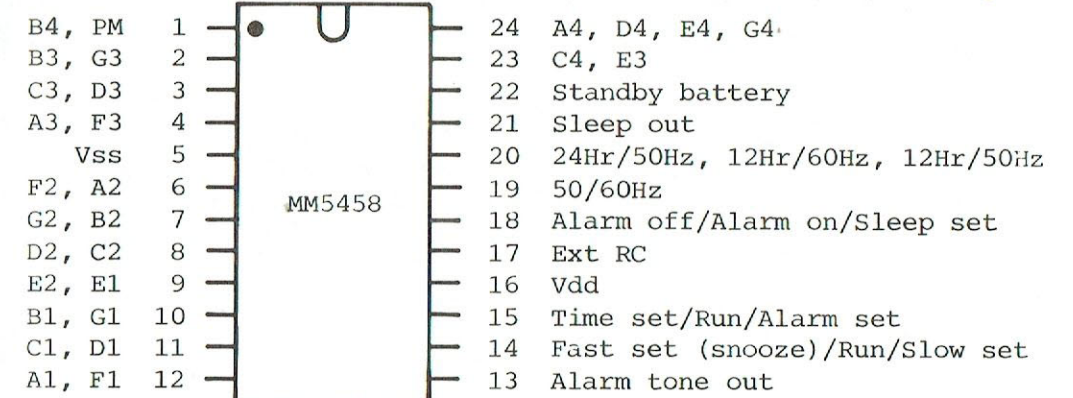
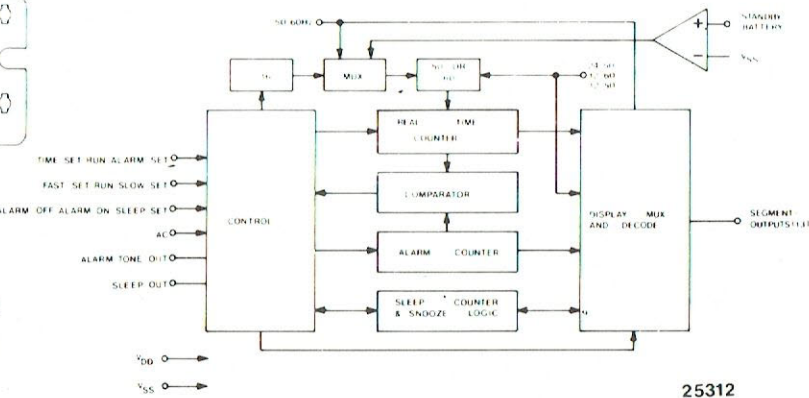
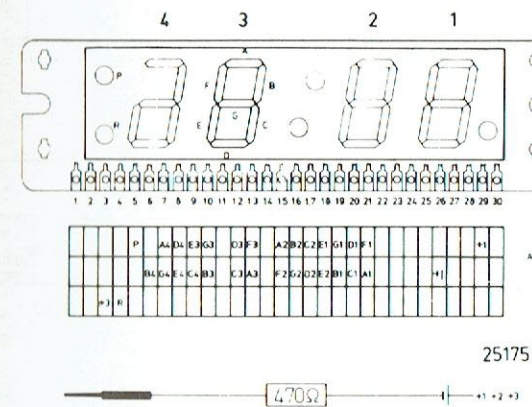
CONTROLS

- 1 3018
- 2 Bandswitch SK-A
- 3 2001
- 4 Repeat alarm/slumber off
- 5
- 6
- 7 Alarm off
- 8 Slumber
- 9 Time set
- 10 Alarm set

- 11 Indicator
- 12 Clock display
- 13 Alarm mode select SK-C
- 14 SK-B
- 15 Hand set
- 16 1907
- 17 Hook on switch
- 18 Mute button
- 19 Radial button
- 20 1800

SPECIFICATION

- MW : 520-1605 kHz (577- 187 m)
- LW : 150- 225 kHz (2000-1176 m)
- FM : 87.5-108 MHz
- IF-AM : 468 kHz
- IF-FM : 10.7 MHz
- Mains : 220 V 50 Hz
- : 9 V

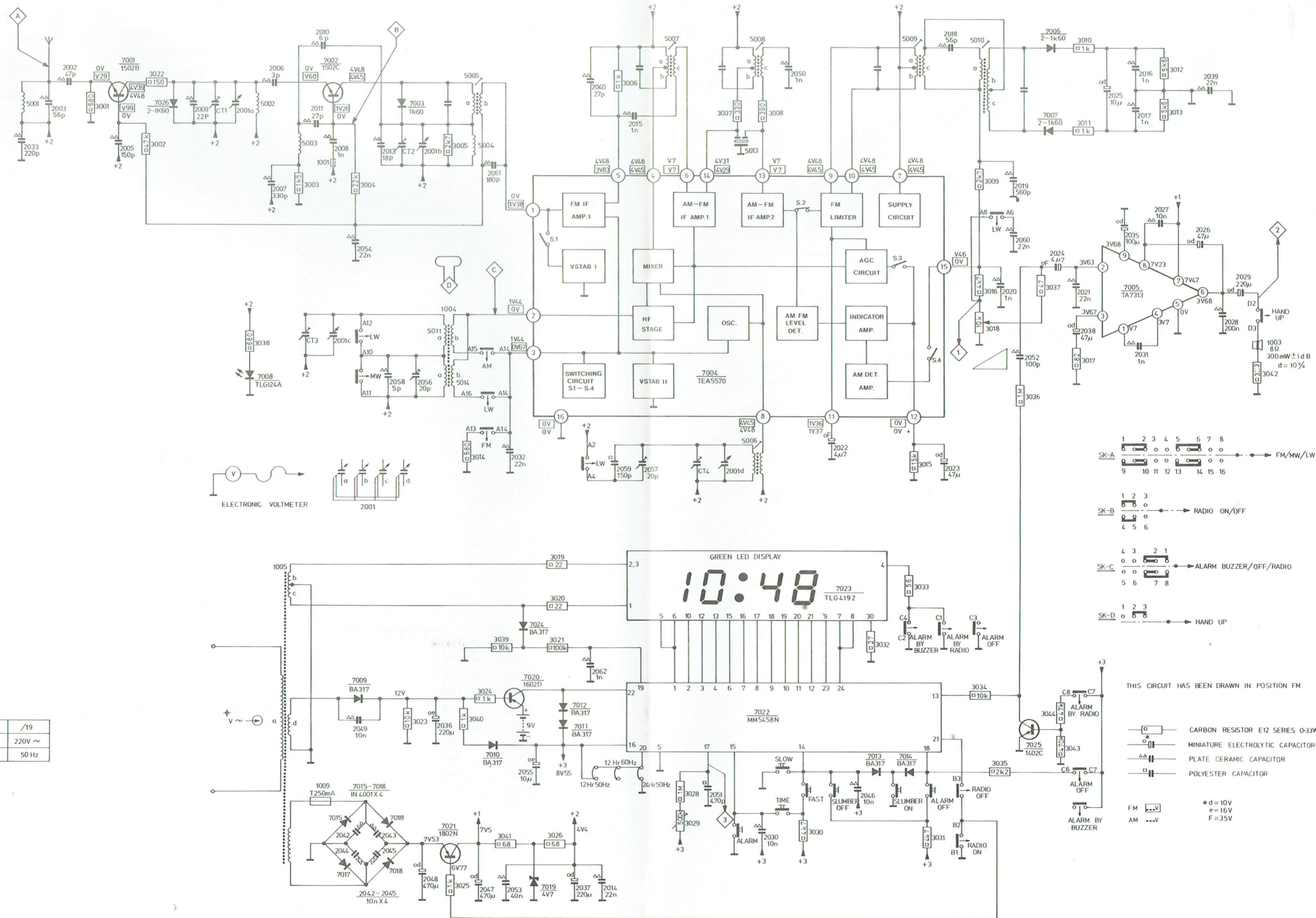


"Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne".

Subject to modification
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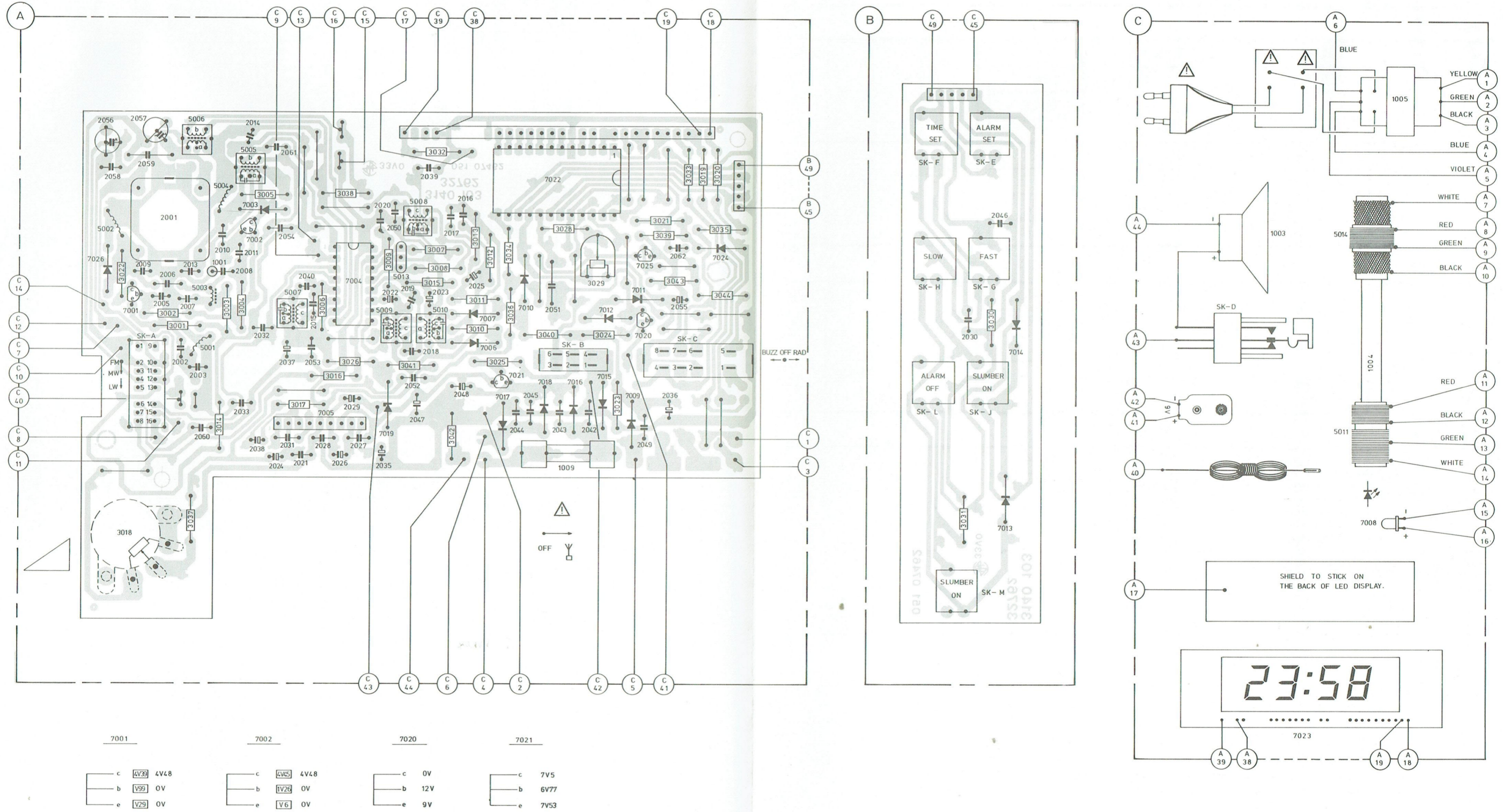
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| MISC. | 5001 | 7001 | 7026 | 1005 | 5002 | 5003 | 7002 | 1001 | 7003 | 1004 | 5005 | 7010 | 7020 | 7024 | 7012 | 5007 | 7004 | 5008 | 7023 | 5009 | 5010 | 7025 | 7006 | 7005 | 1003 | | | | | |
| C. | 2033 | 2003 | 2002 | 2005 | 2009 | CT1 | 2001a | 2008 | 2013 | CT2 | 2001b | 2061 | 2032 | 2040 | 2015 | 2051 | CT4 | 2001d | 2050 | 2046 | 2022 | 2018 | 2023 | 2019 | 2024 | 2021 | 2035 | 2027 | 2029 | 2026 |
| R. | | 3001 | 3022 | 3002 | 2049 | 3003 | 3004 | 3023 | 3025 | 3005 | 3014 | 3039 | 3019 | 3021 | 3006 | 3028 | 3007 | 3008 | 3030 | 3032 | 3033 | 3015 | 3009 | 3034 | 3016 | 3036 | 3010 | 3017 | 3012 | 3042 |
| | | | | | | | | 3041 | 3026 | 3040 | 3024 | | 3020 | | 3029 | | | | | | 3031 | 3044 | 3035 | 3018 | 3037 | 3011 | 3043 | 3013 | | |



| | | |
|---------|--------|--------|
| VERSION | /05 | /19 |
| VOLTAGE | 240V ~ | 220V ~ |
| FREQ. | 50 Hz | 50 Hz |

- THIS CIRCUIT HAS BEEN DRAWN IN POSITION FM
- CARBON RESISTOR E12 SERIES 0.33W ± 5% 1/16W 10%
 - MINIATURE ELECTROLYTIC CAPACITOR
 - PLATE CERAMIC CAPACITOR
 - POLYESTER CAPACITOR
- FM
 AM
- *d = 10V
e = 16V
F = 35V

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| MISC. | 7026 | 7001 | SK-A | 5006 | 5001 | 5005 | 7002 | 5007 | 7005 | 5009 | 5013 | 5010 | 7007 | 7021 | 7010 | 7022 | 7016 | SK-B | 7015 | 7011 | 7025 | SK-C | 7024 | SK-F | SK-E | 7013 | 7014 | SK-D | 1003 | 7023 | 5014 | 7008 | 1005 | | | | |
| | 5002 | | | 5003 | 1001 | 5004 | 7003 | | | 7004 | 7019 | 5008 | | 7006 | 7017 | 7018 | 1009 | | 7012 | 7009 | 7020 | | | SK-H | SK-G | | | | | | | 5011 | 1004 | | | | |
| C | 2058 | 2056 | 2057 | 2002 | 2013 | 2008 | 2033 | 2024 | 2037 | 2040 | 2053 | 2027 | 2020 | 2019 | 2039 | 2017 | | | | | 2044 | 2043 | | | 2049 | 2055 | | | | | | | | | | | |
| | | 2059 | 2001 | 2006 | 2007 | 2010 | 2011 | 2014 | 2061 | 2031 | 2021 | 2028 | 2026 | 2035 | 2050 | 2047 | 2023 | 2016 | | | | | | | | | 2036 | | | | | | | | | | |
| | 2009 | 2005 | 2003 | 2060 | 2038 | 2032 | 2054 | 2015 | | | 2029 | 2022 | 2052 | 2018 | 2048 | 2025 | 2045 | | | | | | | | | | 2062 | | | | | | | | | | |
| R | 3018 | 3002 | 3037 | 3003 | 3005 | 3017 | | | 3026 | 3009 | 3008 | 3015 | 3042 | 3011 | 3012 | 3036 | 3040 | | | | 3029 | 3021 | 3033 | 3035 | 3020 | | | | | | | | | | | | |
| | 3022 | 3001 | 3014 | 3004 | | | | | 3016 | 3006 | 3038 | 3041 | 3032 | 3007 | 3010 | 3013 | 3025 | 3034 | 3028 | 3024 | 3023 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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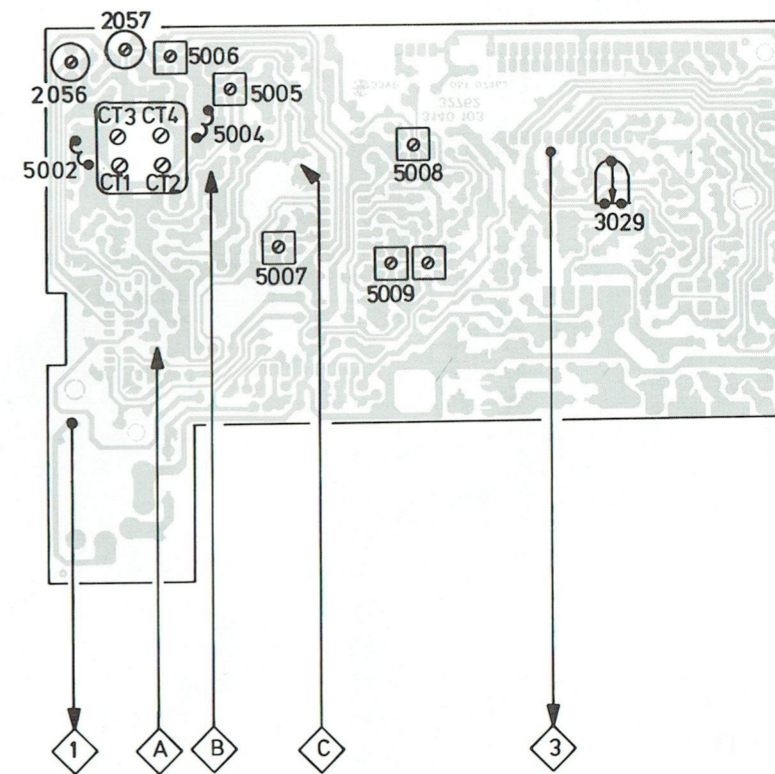
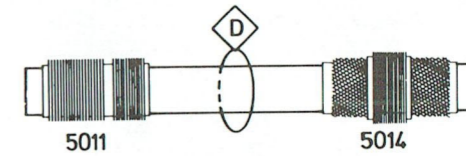


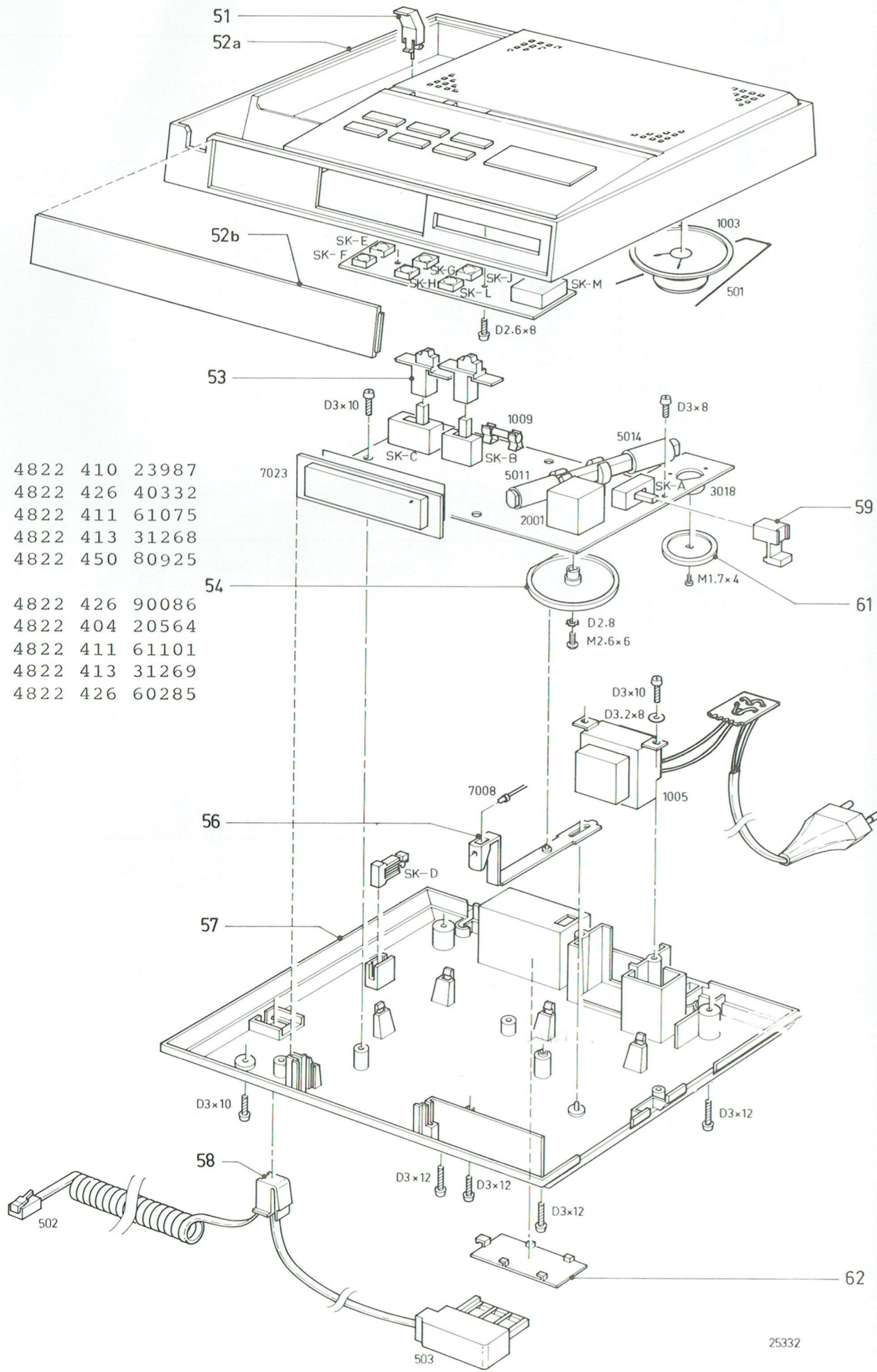
| | | | | | | | |
|-------------------------------|-----------|--------------------|-----|--------------|--------|-------------------------|-----|
| SK-A | | | | | | | |
| AM-IF | | | | | | | |
| MW | 468 KHz | ◇ C via 10nF | min | 5007 5008 | ◇ 1 | | max |
| AM-RF | | | | | | | |
| LW 150-225 KHz | 147 KHz | ◇ D | max | 5006 | ◇ 1 | | max |
| | 265 KHz | | min | CT4 | | | |
| | 155 KHz | | | 5011 | | | |
| | 255 KHz | | | CT3 | | | |
| MW 520-1605 KHz | 512 KHz | ◇ D | max | 2057 | ◇ 1 | | max |
| | 1635 KHz | | min | | | | |
| | 550 KHz | | | 5014 | | | |
| | 1500 KHz | | | 2056 | | | |
| FM-IF | | | | | | | |
| FM | ≈10,7 MHz | ◇ B via 10nF | min | 5005 | ◇ 1 | | max |
| | f=300 KHz | | | 5009 | | | |
| | (50 Hz) | | | 5010 | | | |
| FM-RF | | | | | | | |
| FM 87,5-108 MHz AFC OFF | 86,5 MHz | ◇ A | max | 5004 | ◇ 1 | | max |
| | 109 MHz | | min | CT2 | | | |
| | 88 MHz | | | 5002 | | | |
| | 106 MHz | | | CT1 | | | |
| CLOCK FREQUENCY | | | | | | | |
| AC=0V, DC=9V | | | | 3092 | ◇ 3 | f ₃ = 1600Hz | |

↑ Repeat

Notes :

1. All trimmers should be set to mid-position before alignment
2. Clock signal is pick up via 20M ohm resistor and 5pf capacitors in series into 1M ohm I/P impedance frequency counter. The MBB osc. signal pick up probe (20M ohm + 5pf) must be closed to the MBB osc. pin (no. 17) to minimize the stray cap of the pick up probe. Any stray cap. should be taken into account to determine the actual alignment frequency.

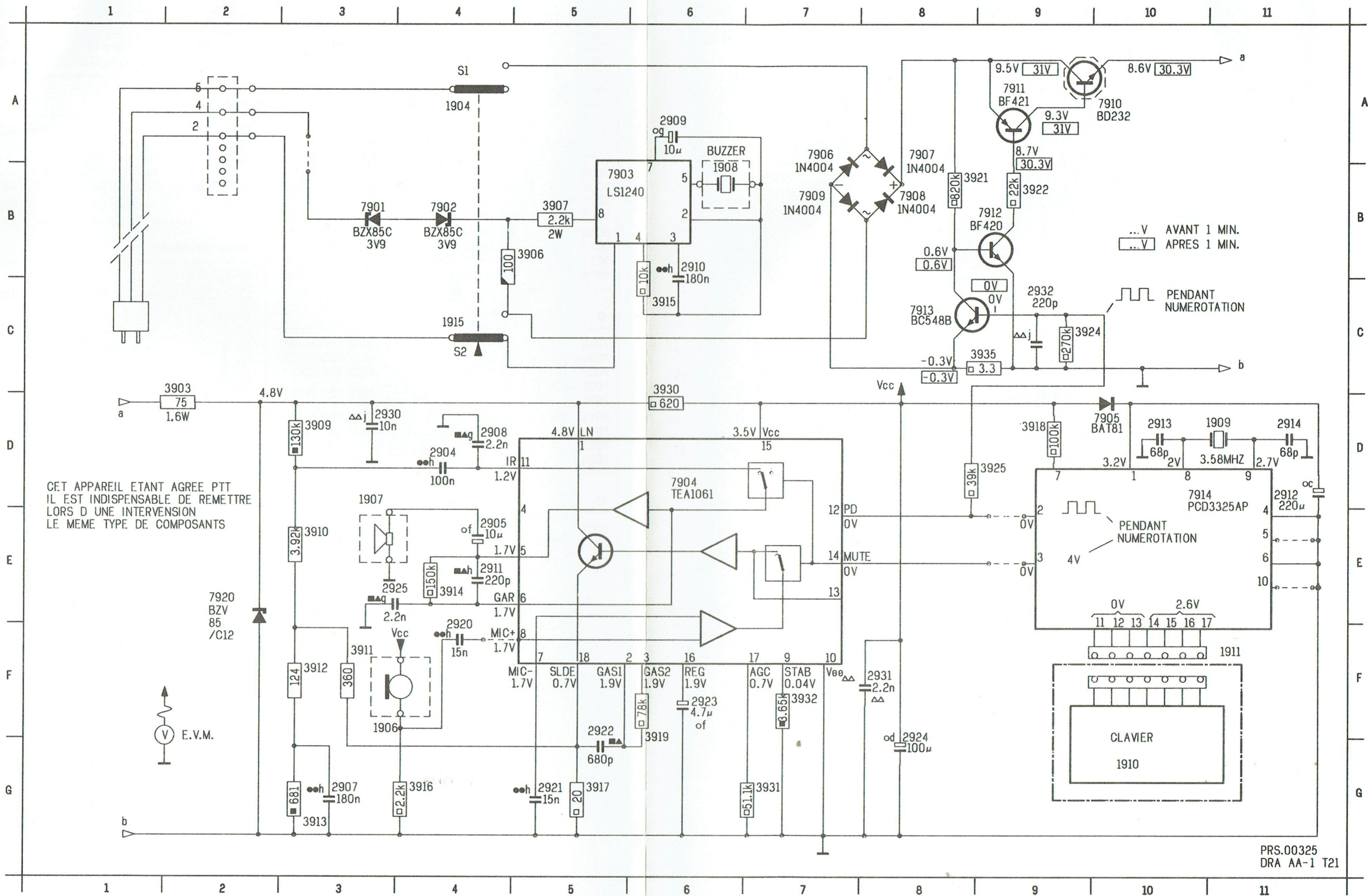


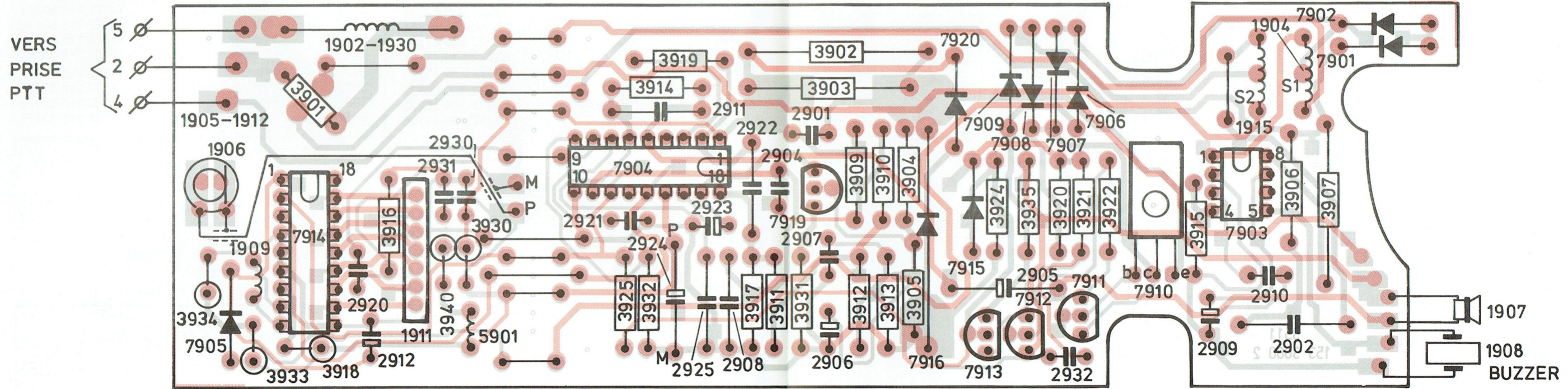


| | | | |
|----|------|-----|-------|
| 51 | 4822 | 410 | 23987 |
| 52 | 4822 | 426 | 40332 |
| 53 | 4822 | 411 | 61075 |
| 54 | 4822 | 413 | 31268 |
| 56 | 4822 | 450 | 80925 |
| 57 | 4822 | 426 | 90086 |
| 58 | 4822 | 404 | 20564 |
| 59 | 4822 | 411 | 61101 |
| 61 | 4822 | 413 | 31269 |
| 62 | 4822 | 426 | 60285 |

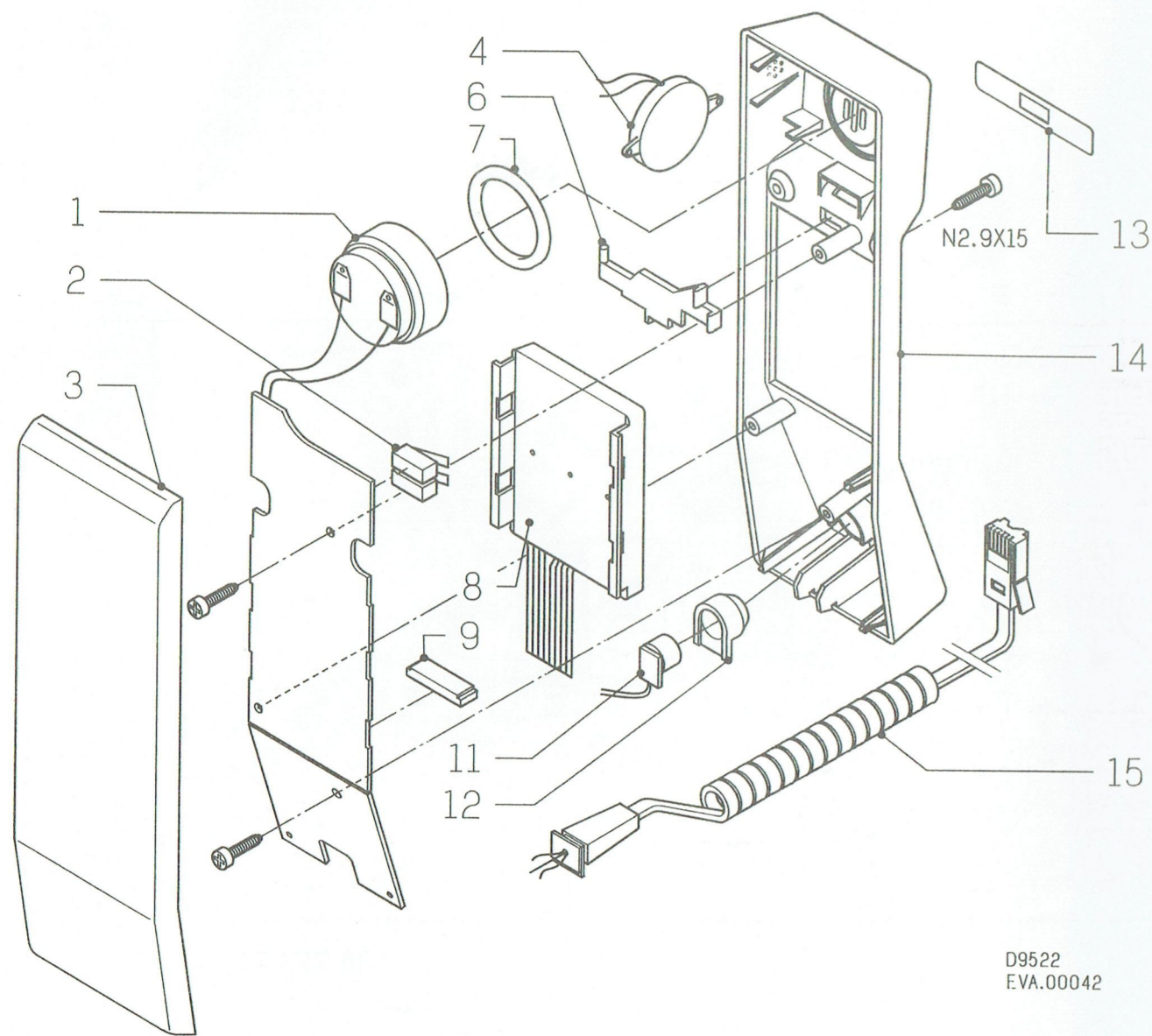
| | | | | | |
|-------------|-----------------|----------------|------------------------|------------------|----------------|
| -IC- | | | -R- | | |
| 7004 | TEA5570 | 4822 209 81563 | 3018 | VR-rotary 10 kΩ | 4822 101 30504 |
| 7005 | TA7313AP | 4822 209 80411 | 3029 | VR-rotary 500 kΩ | 4822 100 20126 |
| 7022 | MM5458N | 4822 209 10895 | | | |
| 7047 | LR40993 | 4822 209 82431 | -TS- | | |
| -L- | | | 7001 | 1502B | 4822 130 40947 |
| 5003 | IF trap coil | 4822 153 10341 | 7002 | 1502C | 4822 130 44195 |
| 5005 | IFT-FM | 4822 153 50211 | 7020 | 1602D | 4822 130 41434 |
| 5006 | AM-osc | 4822 158 60525 | 7021 | 1802N | 4822 130 41456 |
| 5007-5008 | IFT-AM | 4822 153 10338 | 7048-7050 | 1702N | 4822 130 44121 |
| 5009 | IFT-AM det. | 4822 156 40857 | 7025 | 1402C | 4822 130 40937 |
| 5010 | IFT-FM det. | 4822 156 21227 | | | |
| 5011 | AM ant. coil | 4822 158 60526 | -Miscellaneous- | | |
| 5013 | Filter 10.7 MHz | 4822 242 70249 | SK-E, SK-F | | |
| 5014 | LW ant. coil | 4822 157 51868 | SK-G, SK-H | VKS-bubble SW | 4822 276 10799 |
| -D- | | | SK-J, SK-L | | |
| 7003 | 1K60 | 4822 130 31232 | SK-M | | |
| 7006-7007 | 2-1K60 | 4822 130 31232 | SK-A | Band SW | 4822 277 20875 |
| 7008 | TLG124A | 4822 130 32472 | SK-B | Radio SW | 4822 277 20958 |
| 7009-7014 | BA317 | 4822 130 30847 | SK-C | Rad/Off/Buz SW | 4822 277 20957 |
| 7024 | | | | SK-D, SK-Y | Muting SW |
| 7015-7018 | 1N4001 | 4822 130 31438 | 1003 | Spk. 8 Ω | 4822 240 30215 |
| 7019 | Zener 4V7 | 4822 130 34174 | 1004 | Ant. bar | 4822 526 10224 |
| 7023 | TLG2198 | 4822 130 31716 | 1005 | Trans. EI-35 | 4822 146 20922 |
| 7023 | TLG4192 | 4822 130 90205 | | | |
| -C- | | | | | |
| 2001 | Varicon | 4822 125 30027 | | | |
| 2056,2057 | Trimmer | 4822 125 50045 | | | |

1904 A 4
 1906 F 3
 1907 D 3
 1908 B 6
 1909 D11
 1910 G10
 1911 F11
 1915 C 4
 2904 D 4
 2905 E 4
 2907 G 3
 2908 D 4
 2909 A 6
 2910 B 6
 2911 E 4
 2912 D11
 2913 D10
 2914 D11
 2920 F 4
 2921 G 5
 2922 F 5
 2923 F 6
 2924 F 8
 2925 E 4
 2930 D 3
 2931 F 8
 2932 C 9
 3903 C 2
 3906 B 5
 3907 B 5
 3909 D 3
 3910 E 3
 3911 F 3
 3912 F 3
 3913 G 3
 3914 E 4
 3915 C 6
 3916 G 4
 3917 G 5
 3918 D 9
 3919 F 6
 3921 B 9
 3922 B 9
 3924 C 9
 3925 D 9
 3930 C 6
 3931 G 7
 3932 F 7
 3935 C 9
 7901 B 3
 7902 B 4
 7903 B 5
 7904 D 6
 7905 D10
 7906 A 7
 7907 A 8
 7908 B 8
 7909 B 7
 7910 A10
 7911 A 9
 7912 B 9
 7913 C 8
 7914 D10
 7920 E 2





38 273 C12



- 1 4822 242 50036
- 2 4822 271 30415
- 3 4822 426 20051
- 4 4822 280 10167
- 6 4822 410 23988
- 7 4822 532 51621
- 8 4822 410 90068
- 9 4822 290 60544
- 11 4822 242 10046
- 12 4822 256 90709
- 13 4822 460 10661
- 14 4822 426 40331
- 15 4822 321 21088

D9522
EVA.00042

| | | | Miscellaneous | | |
|-----------|-----------|----------------|---------------|------------------|----------------|
| 7901,7902 | BZV85C3V9 | 4822 130 32674 | 1904,1915 | Micro switch | 4822 271 30415 |
| 7905 | BAT81 | 4822 130 31353 | 1906 | Microphone | 4822 242 10046 |
| 7906-7909 | 1N4001 | 5322 130 34574 | 1907 | Telephone | 4822 242 50036 |
| 7915 | BZX79C3V6 | 4822 130 34368 | 1908 | Buzzer | 4822 280 10167 |
| 7916 | BZW03C51 | 4822 130 32673 | 1909 | Crystal 3.58 MHz | 4822 242 70954 |
| 7920 | BZV85C12 | 4822 130 31966 | | | |
| | | | | | |
| 7903 | LS1240 | 4822 209 82845 | 3904 | Resistor 287k | 4822 116 53119 |
| 7904 | TEA1061 | 4822 209 82844 | 3905 | Resistor 12.1k | 4822 116 53116 |
| 7910 | BD232 | 5322 130 44718 | 3909 | Resistor 130k | 4822 116 53118 |
| 7911 | BF421 | 4822 130 42149 | 3910 | Resistor 3.92k | 4822 116 53057 |
| 7912 | BF420 | 4822 130 42148 | 3911 | Resistor 360 Ω | 4822 116 52418 |
| 7913 | BC548B | 4822 130 40937 | 3912 | Resistor 124 Ω | 4822 116 53117 |
| 7914 | PCD3325AP | 4822 209 10989 | 3913 | Resistor 681 Ω | 4822 116 53123 |
| 7919 | BC548C | 4822 130 44196 | 3931 | Resistor 51.1k | 4822 116 53122 |
| | | | 3932 | Resistor 3.65k | 4822 116 53121 |

| | | | | |
|--|-------------------------------|--|---|---|
| | Carbon film 0.2 W 70°C 5% | | Ceramic plate Tuning ≤ 120 pF NP.0 2% Others -20/+80% | *a = 2.5 V b = 4 V c = 6.3 V d = 10 V e = 16 V f = 25 V g = 40 V h = 63 V j = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V A = 1,6 V B = 6 V C = 12 V D = 15 V E = 20 V F = 35 V G = 50 V H = 75 V I = 80 V |
| | Carbon film 0.33 W 70°C 5% | | Polyester flat foil 10% | |
| | Metal film 0.33 W 70°C 5% | | Metalized polyester flat film 10% | |
| | Carbon film 0.5 W 70°C 5% | | Polyester flat foil small size (Mylar) 10% | |
| | Carbon film 0.67 W 70°C 5% | | Polysterene film/foil 1% | |
| | Carbon film 1.15 W 70°C 5% | | Tubular ceramic | |
| | | | Miniature single | |
| | | | Subminiature tantalum ± 20% | |
| | Chip component | | | |

27 037A/C