

SERVICE MANUAL

DIGITAL CLOCK RADIO



SANYO

RM5008 (U.K.)

RM5008 (EUROPE)

RM5008L (EUROPE)

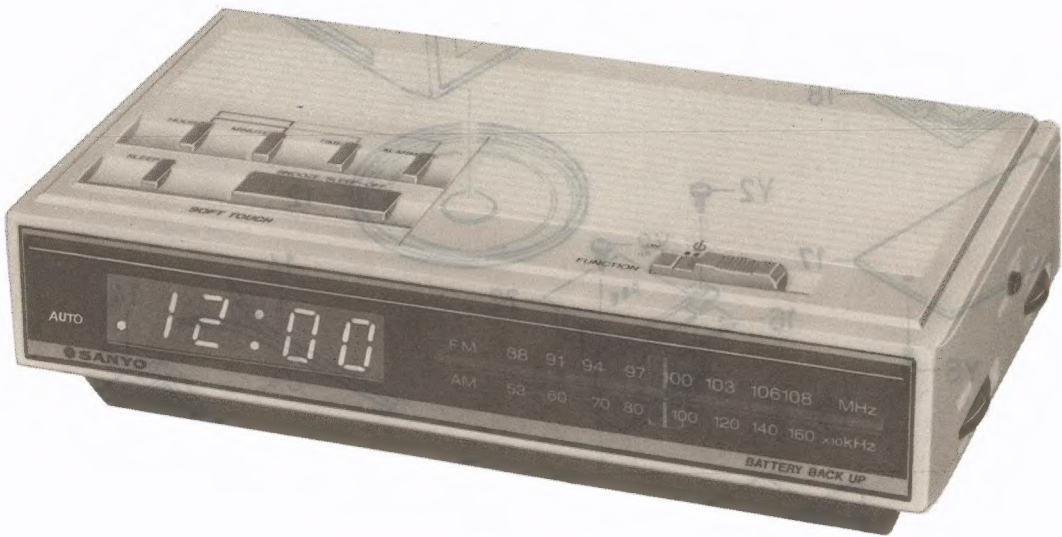
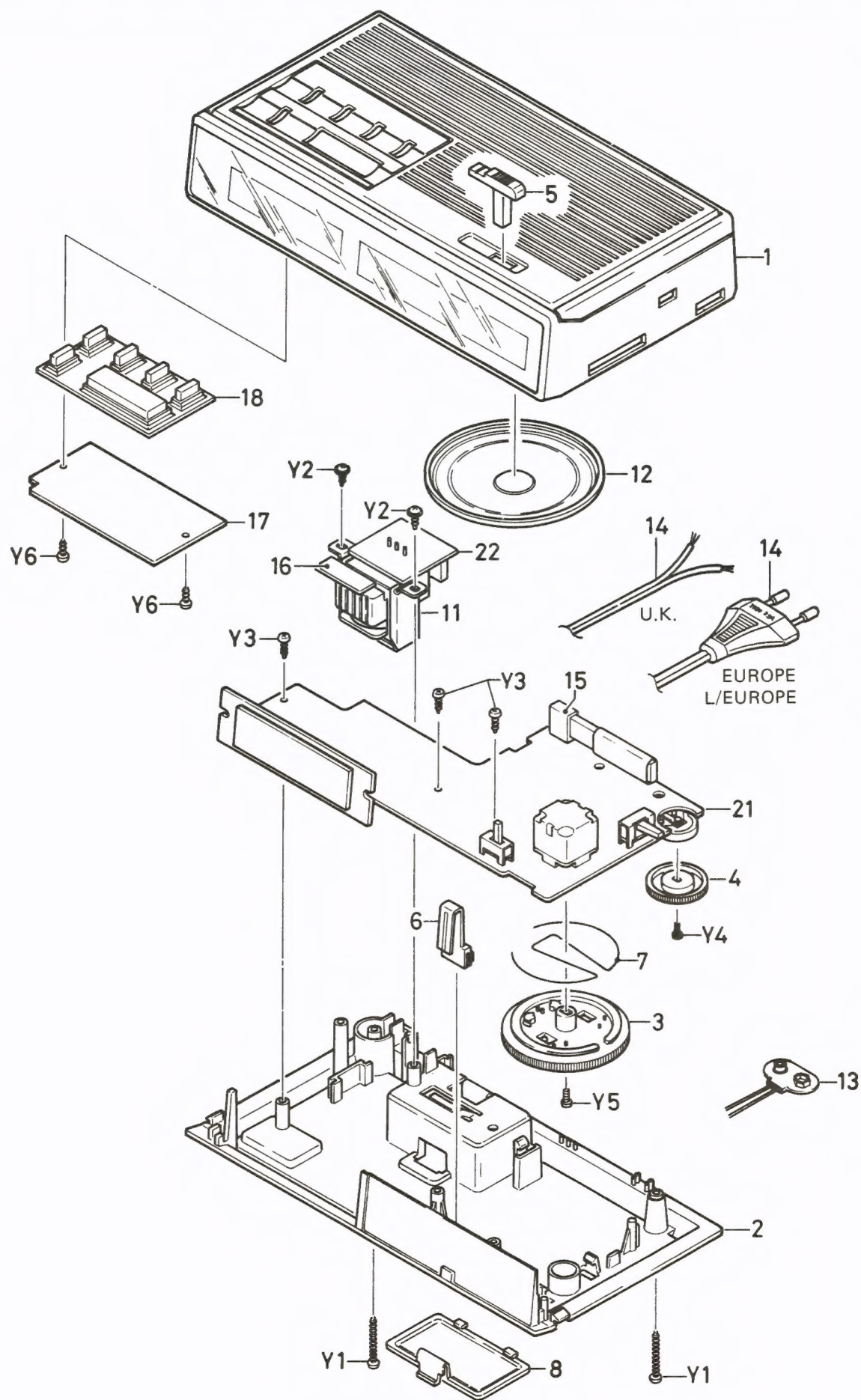


PHOTO: RM5008 (EUROPE)

SPECIFICATIONS

Frequency range	LW	150 — 285 kHz	(RM5008L EUROPE)
	AM	525 — 1605 kHz	(RM5008 U.K./EUROPE)
	FM	87.5 — 108 MHz	(RM5008 U.K.)
		87.6 — 108 MHz	(RM5008 EUROPE)
Intermediate frequency		87.6 — 108 MHz	(RM5008L EUROPE)
	AM	470 kHz	(RM5008 U.K.)
		460 kHz	(RM5008 EUROPE/RM5008L EUROPE)
	FM	10.7 MHz	
Speaker		77mm, 32 ohm	
Power output		300mW (10% THD)	
		AC 240V, 50Hz	(RM5008 U.K.)
		AC 220V, 50Hz	(RM5008 EUROPE/RM5008L EUROPE)
		Battery backup	9V DC
Dimensions		220(W) x 122(D) x 60(H) mm	Approx.
Weight		600g	Approx.

EXPLODED VIEW



PARTS LIST

PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol  in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with , use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual.

Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

PACKING & ACCESSORIES

Ref. No.	Part No.	Description
or or or or	141-6-145T-14400	FOAM PLASTIC CASE, LEFT
	141-6-145T-14500	FOAM PLASTIC CASE, RIGHT
	141-6-231T-30300	INNER POLYE COVER, SET
	141-6-133T-75603	INNER CORR CASE (G)
	141-6-133T-75604	INNER CORR CASE (E)
	141-6-133T-75605	INNER CORR CASE (L/E)
	141-6-409T-28604	INST MANUAL (G)
	141-6-409T-28605	INST MANUAL (E/L/E)

CABINET & CHASSIS

Ref. No.	Part No.	Description
1	141-0-124T-51104	TOP LID ASSY, WHITE (G)
or	141-0-124T-51105	TOP LID ASSY, WHITE (E)
or	141-0-124T-51106	TOP LID ASSY, WHITE (L/E)
2	141-0-125T-41604	BOTTOM LID ASSY (G)
or	141-0-125T-41605	BOTTOM LID ASSY (E)
or	141-0-125T-41606	BOTTOM LID ASSY (L/E)
3	141-2-165T-07100	ROTARY KNOB, TUNING
4	141-2-163T-68901	ROTARY KNOB, VOLUME
5	141-2-164T-44200	SLIDE KNOB, FUNCTION
6	141-2-511T-31300	POINTER
7	141-2-340T-02530	ROPE 0.25X600MM
8	141-2-128T-13300	BATTERY LID

FIXING PARTS

Ref. No.	Part No.	Description
Y1	BJN2S++325+Z1	PAN HD 2 TAPPING SCREW 3X25
Y2	BJX6S++3+8+Z1	PAN WASHER HD 2 TAPPING SCREW 3X8
Y3	BJN2S++3+8+Z1	PAN HD 2 TAPPING SCREW 3X8
Y4	BJNBS1R7+5+Z1	PAN HD SCREW 1.7X5
Y5	BJNBS2R6+6+Z1	PAN HD SCREW 2.6X6
Y6	BJN2S2R6+6+Z1	PAN HD 2 TAPPING SCREW 2.6X6

ELECTRICAL PARTS

Ref. No.	Part No.	Description
11	 4-320T-14600	P.T (G)
or	 4-320T-21700	P.T (E,L/E)
12	4-151T-50000	SPEAKER 32 OHM
or	4-151T-60200	SPEAKER 32 OHM
13	4-243R-02191	BATT LEAD
14	 4-243T-84973	POWER CORD (E,L/E)
or	 4-243T-85273	POWER CORD (G)
15	124-2-369S-00200	BRACKET COIL
16	 4-285T-54500	P.C BOARD, POWER SUPPLY
17	 4-285T-66900	P.C BOARD, SOFT TOUCH SW
18	4-248T-12600	KEY BOARD SWITCH, S3

MAIN P.C.B. ASSY

Ref. No.	Part No.	Description
21	141-4-285T-54403	P.C BOARD ASSY, MAIN (G)
or	141-4-285T-54404	P.C BOARD ASSY, MAIN (E)
or	141-4-285T-54405	P.C BOARD ASSY, MAIN (L/E)
	141-2-430T-00600	EYELET, FOR VR
	4-236T-16771	PLUG, FOR LED
VC1~4,	4-224T-21900	V.C
VCT1~4	4-224T-21900	V.C
CT1,2	4-224T-15471	TRIMMER 30PF (L/E)
T301	4-256T-38910	I.F.T, FM "V" CURVE
T302	4-256T-28410	I.F.T, FM "S" CURVE
T303	4-256T-22910	I.F.T, AM (G,E)
or	4-256T-26710	I.F.T, LW (L/E)
L101	4-265R-12610	VHF COIL
L102	4-265R-00410	VHF COIL
L103	4-265T-02710	VHF COIL, FM ANT
L104	4-265R-10510	VHF COIL, FM OSC (G)
or	4-265T-51310	VHF COIL, FM OSC (E,L/E)
L105	4-257T-66500	ANT COIL, AM ANT (G,E)
or	4-257T-76200	ANT COIL, AM ANT (L/E)
L106	4-258T-31610	OSC COIL, AM OSC (G)
or	4-258T-49810	OSC COIL, LW OSC (L/E)
or	4-258T-60010	OSC COIL, AM OSC (E)
or	4-258T-60012	OSC COIL, AM OSC (E)
CF301	4-256T-80400	I.F FILTER 10.70MHZ RED
or	4-256T-80471	I.F FILTER 10.67MHZ BLUE
or	4-256T-80472	I.F FILTER 10.73MHZ ORANGE
or	4-256T-80473	I.F FILTER 10.64MHZ BLACK
or	4-256T-80474	I.F FILTER 10.76MHZ WHITE
CF302	4-256T-81171	I.F FILTER 460KHZ (E)
or	4-256T-81172	I.F FILTER 470KHZ (G)
or	4-256T-83371	I.F FILTER 460KHZ (L/E)
S1	4-248T-17200	SWITCH, BAND SELECT
S2	4-238T-57371	SWITCH, FUNCTION
VR701	4-222T-43900	VARIABLE RESISTOR 10KD
TP1~4	4-237T-00171	TERMINAL BOARD
IC101	SIBA4403+++++	IC BA4403 SIP7
IC301	SIBA4236L++++	IC BA4236L DSI18
IC701	SIBA5404+++++	IC BA5404 SIP9
IC751	SILM8560B++++	IC LM8560B DIP28
Q751	STC536+G+++U+	TR 2SC536 G AUD
Q752	STC536+G+++U+	TR 2SC536 G AUD
Q753	STC536+G+++U+	TR 2SC536 G AUD
D101	SDDS442+X++++	DIODE DS442 X
or	SD1N4148++++T	DIODE 1N4148
D701	SLSL2042++I++	LED SL2042 12H, CLOK (G)
or	SLSL2042++T++	LED SL2042 24H, CLOK (E,L/E)
D751	SDDS135+E++++	DIODE DS135 E
or	SD1N4003+++++	DIODE 1N4003
D752	SDDS135+E++++	DIODE DS135 E
or	SD1N4003+++++	DIODE 1N4003
D753	SDDS135+E++++	DIODE DS135 E
or	SD1N4003+++++	DIODE 1N4003
D754	SDDS442+X++++	DIODE DS442 X
or	SD1N4148++++T	DIODE 1N4148
D755	SDGZA150Y++++	ZENER DIODE GZA15Y

for U.K.



for U.K.



ADJUSTMENT OF TUNER_____

Europe, U.K. Set the DC12V, Speaker Impedance is 32 ohms. Standard output: 50mV (1.26V)

Step	AM Band		Input (Test Point)	Output (Test Point)	SG Frequency	Adjustment	Note
1	I.F		Test Loop	Speaker Terminals	460kHz (Europe) 470kHz (U.K.)	T303	
2	OSC	LOW	Same as above	Same as above	517kHz	L106	
3		HIGH			1650kHz	VCT-4	
4	ANT.	LOW	Same as above	Same as above	600kHz	L105	
5		HIGH			1400kHz	VCT-3	
6	Repeat adjustment 2, 3, 4 and 5.						

L/Europe

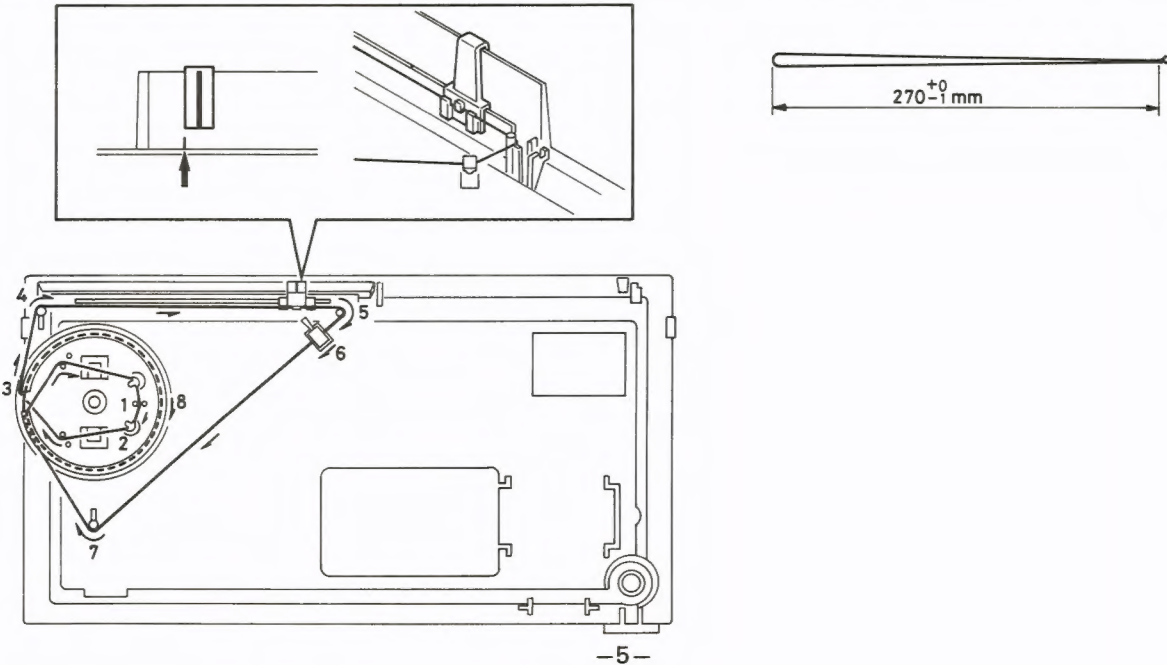
Step	LW Band		Input (Test Point)	Output (Test Point)	SG Frequency	Adjustment	Note
1	I.F		Test Loop	Speaker Terminals	460kHz	T303	
2	OSC	LOW	Same as above	Same as above	145kHz	L106	
3		HIGH			295kHz	VCT-4	
4	ANT.	LOW	Same as above	Same as above	160kHz	L105	
5		HIGH			280kHz	VCT-3	
6	Repeat adjustment 2, 3, 4 and 5.						

Europe, L/Europe, U.K.

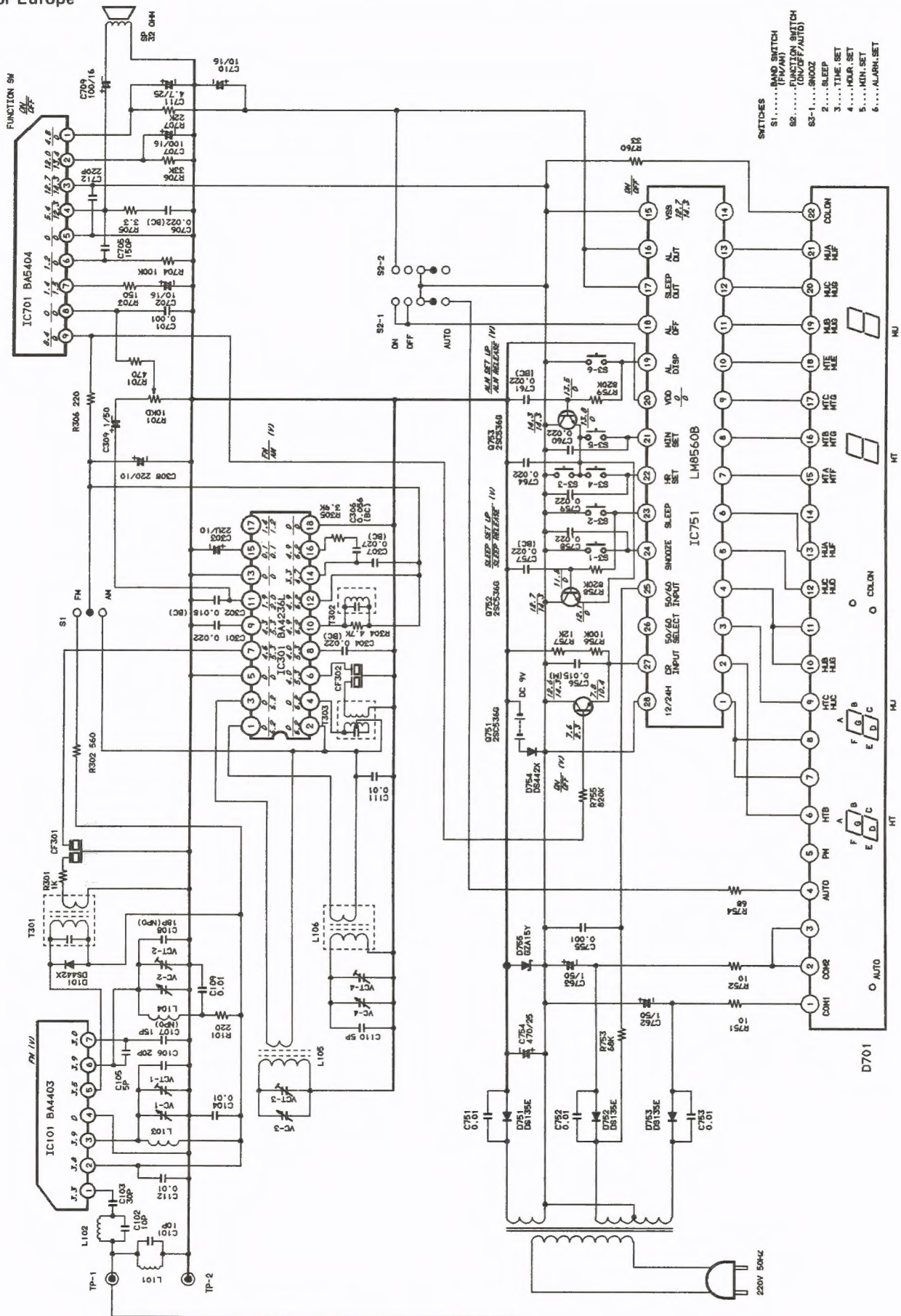
Step	FM Band		Input (Test Point)	Output (Test Point)	SG Frequency	Adjustment	Note
1	I.F	“V” curve	IC101 1 pin (H) & TP2 (E)	IC301 11 pin (H) & T302 (E)	10.7 MHz	T301	
2		“S” curve				T302	
3	OSC	LOW	TP1 (H) & TP2 (E)	Speaker terminals	87.4+0.1—0.15 MHz (Europe, L/Europe) 87 MHz (U.K.)	L104	
4		HIGH			108.5 ±0.3 MHz (Europe, L/Europe) 109 MHz (U.K.)	VCT-2	
5	ANT	LOW	Same as above	Same as above	90 MHz	L103	
6		HIGH			106 MHz	VCT-1	
7	Repeat adjustment 3, 4, 5 and 6.						

* For V curve adjustment, deviate the T302 in pulling out direction, and adjust with T301.

DIAL CORD STRINGING_____

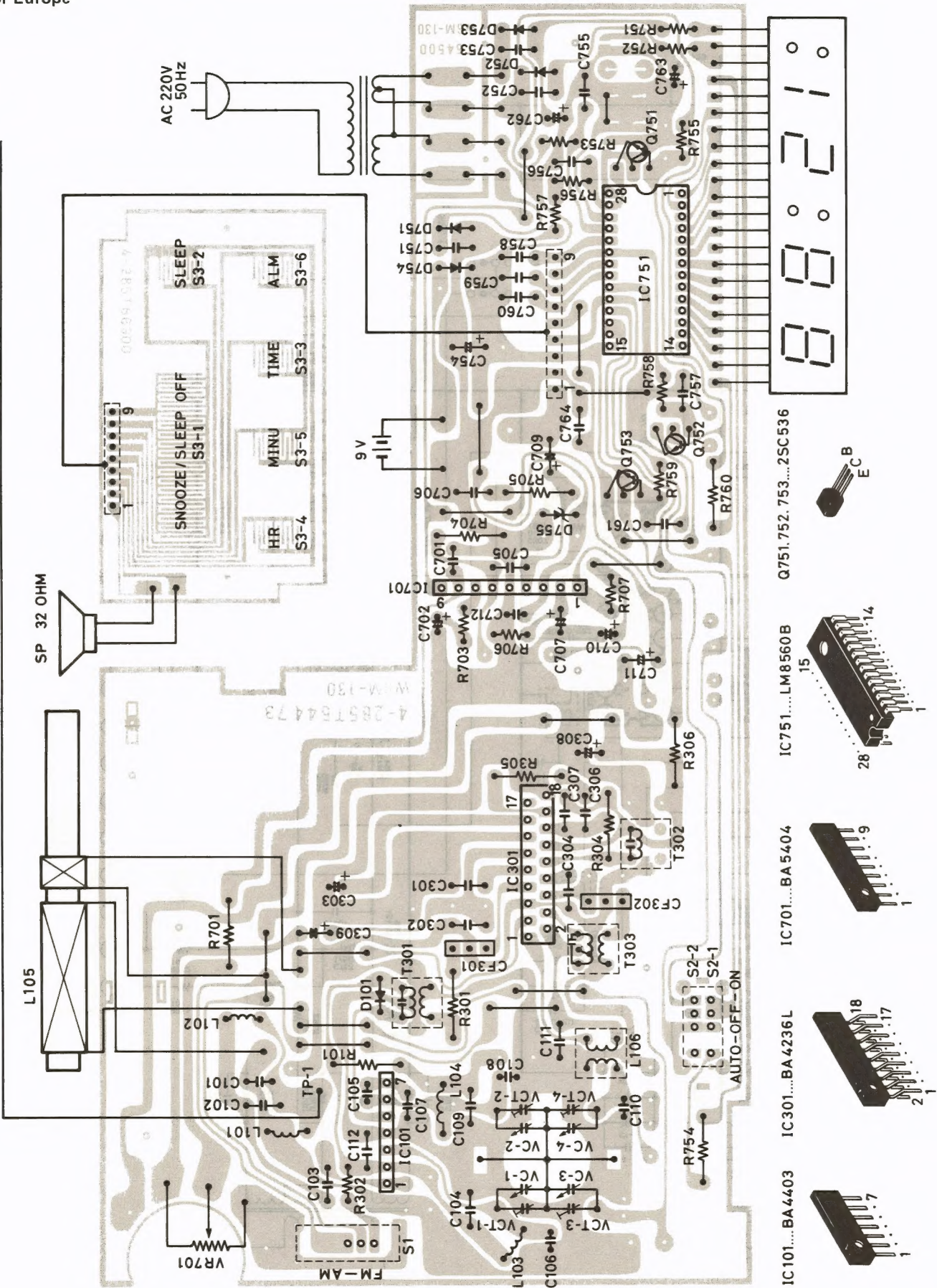


for Europe



WIRING DIAGRAM

for Europe



for L/Europe



for Europe

