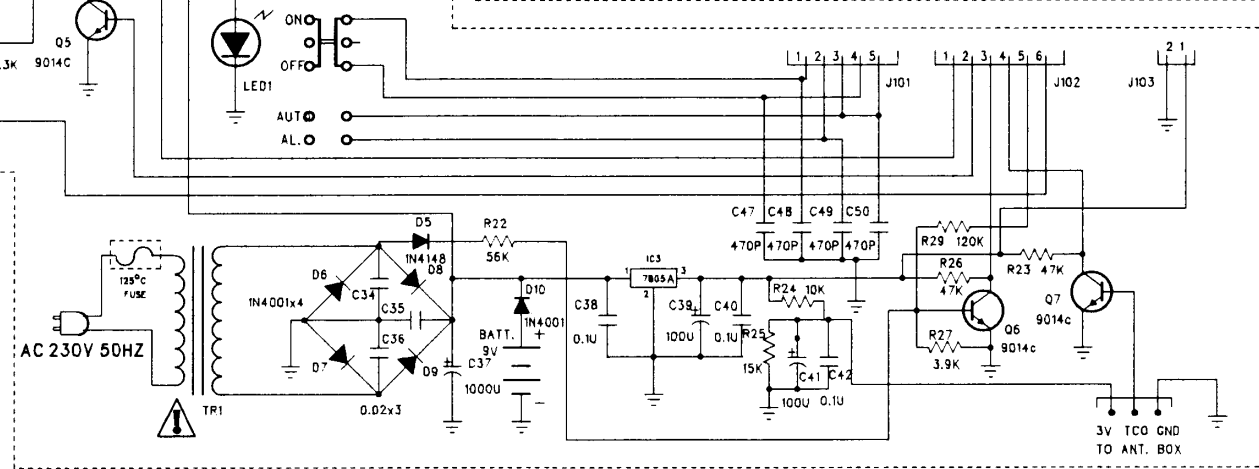
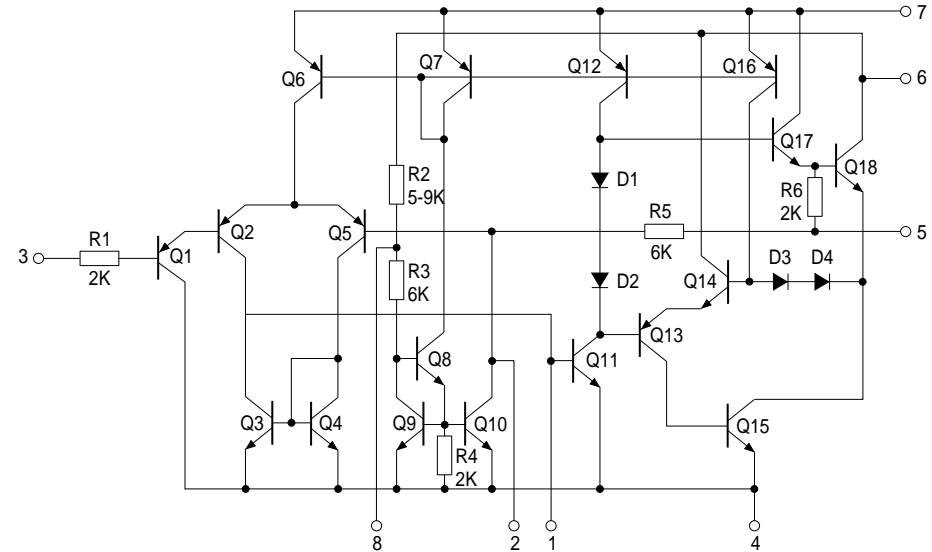
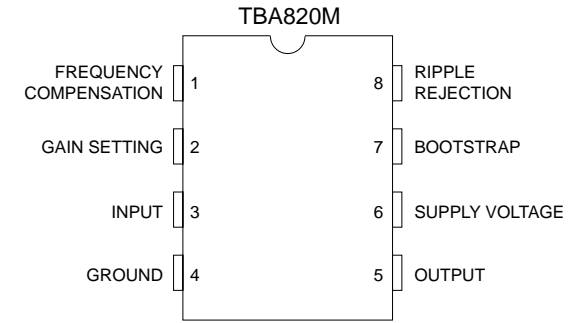
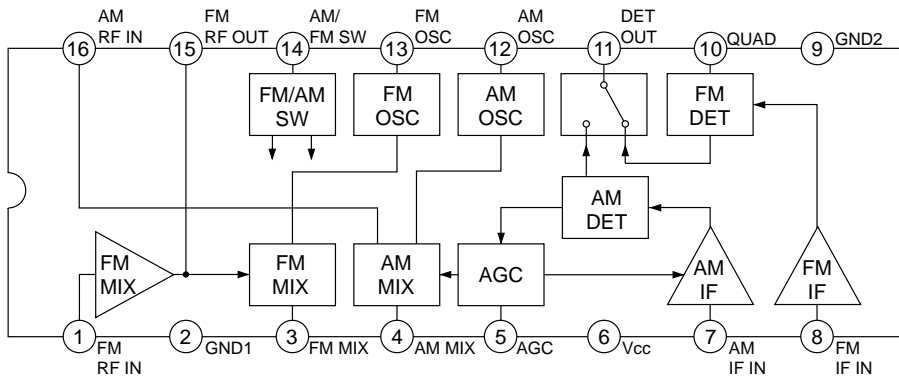


All resistance values are indicated in 'Ohm' (K=1000 Ohm M=1000K Ohm)
 All capacitance values are indicated in 'UF' 1UF=1000000PF 1N=1000pf



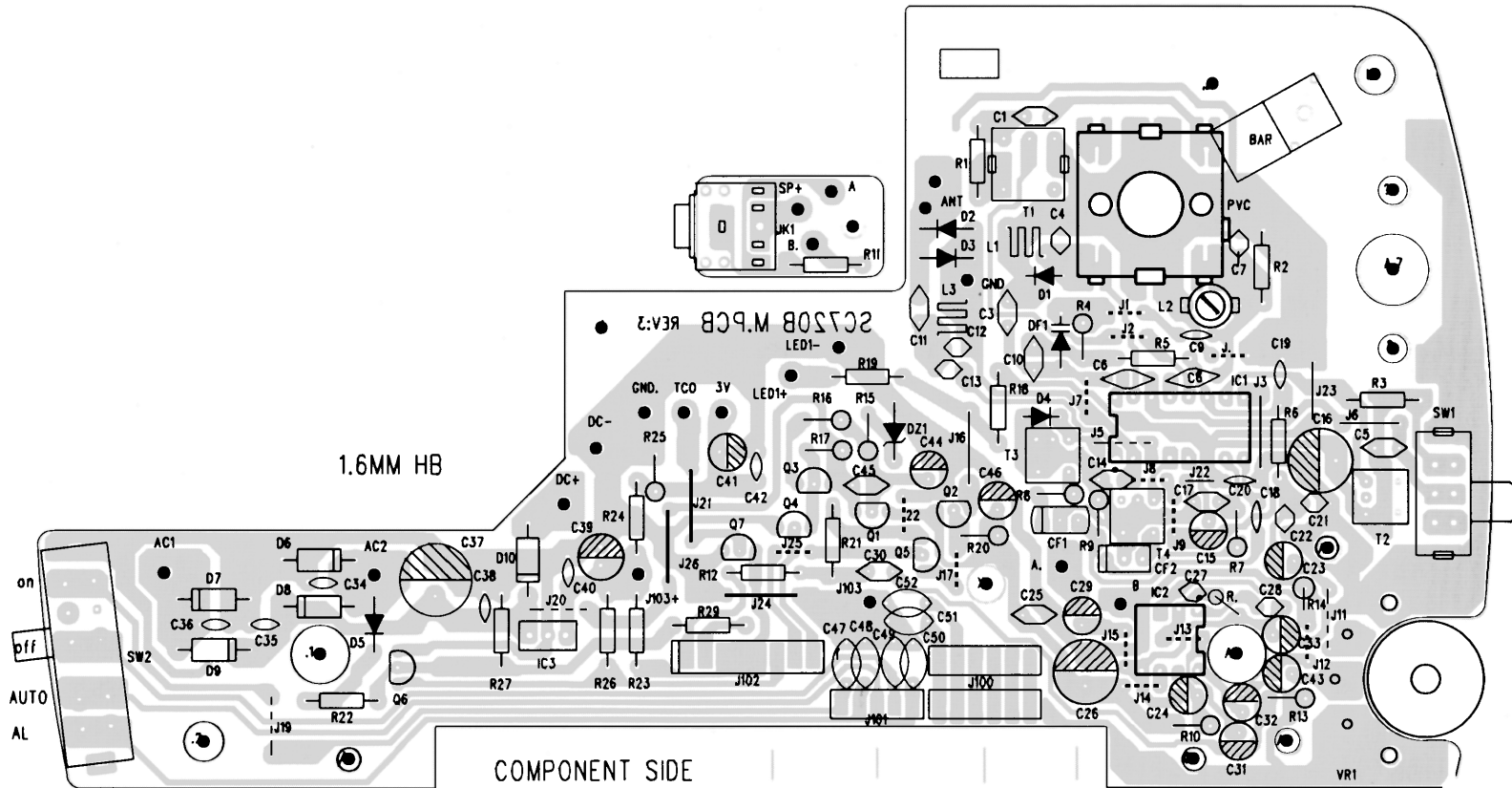
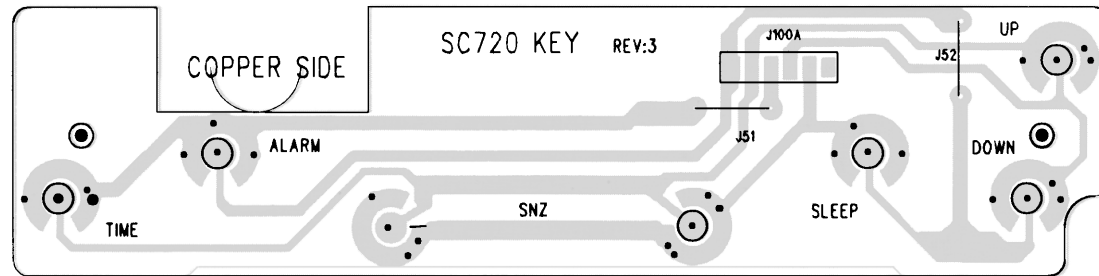
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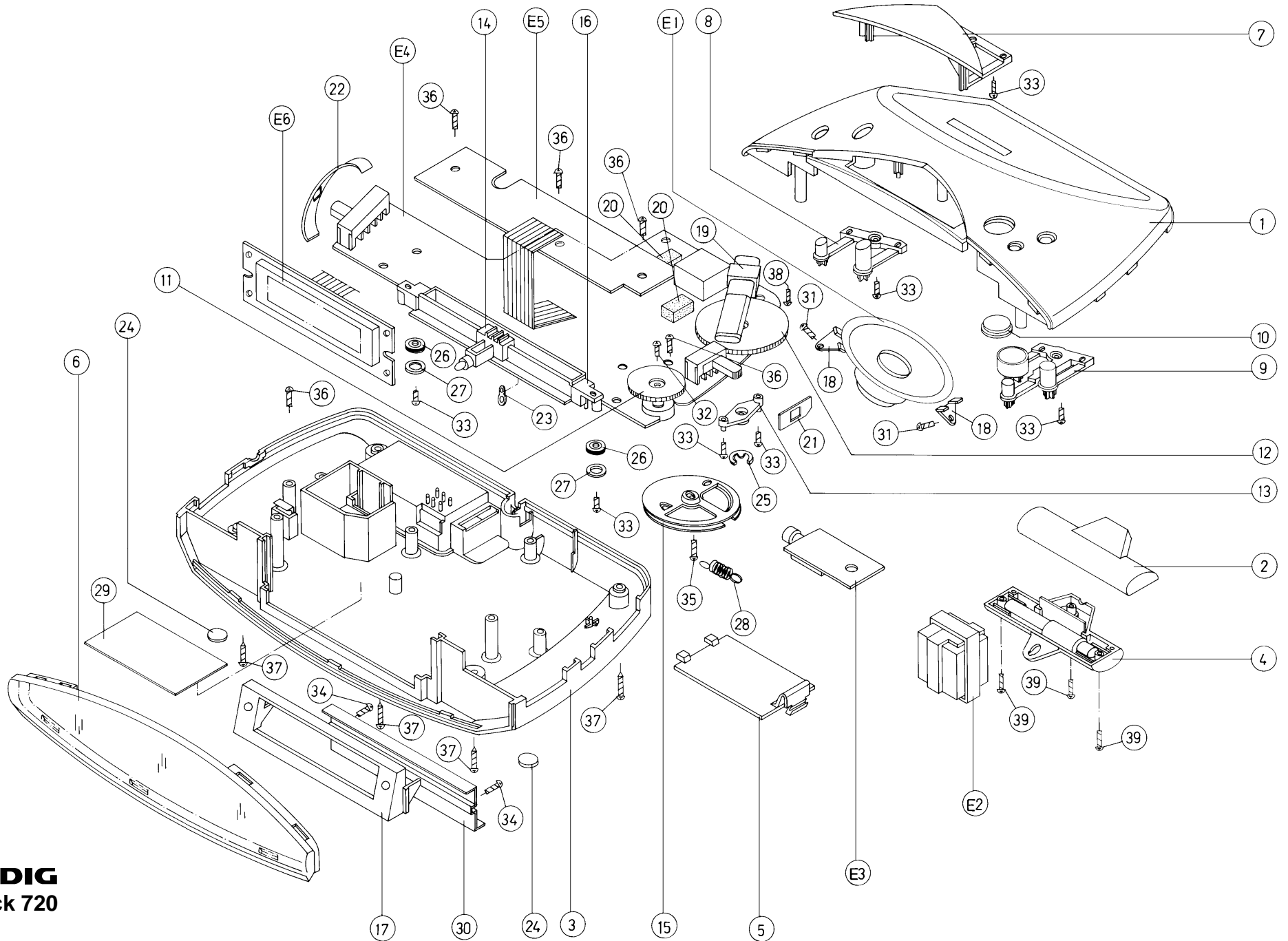
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Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual „Sicherheit“. Sachnr. 72010 800 0000, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften.
The regulations and safety instructions shall be valid as provided by the „Safety“ Service Manual, part number 72010 800 0000, as well as the respective national deviations.

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72011 049 5600 (0998)



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ALIGNMENT PROCEDURE
MODEL NO:GRUNDIG SONOCLOCK - SC720

Instruments required

1. Signal Generator.
2. FM Signal Generator
3. Sweep Generator (10.7 MHz for FM).
4. VTVM.
5. Oscilloscope .
6. FM IF Signal Generator.

General preparation

1. Check source voltage, AC according to specifications.
2. Set function switch to band being aligned.
3. Signal input should be kept as low as possible to avoid AGC and AFC function
4. Standard modulation: AM 1 KHz 30% Mod.
 FM 1 KHz 22.5 KHz dev.

AM IF ALIGNMENT

Step	Signal source (AM RF Gen.) Connect to	Set signal to	Alignment indicator(oscilloscope, VTVM) Connect to	Set radio dial to	Adjust	Adjust for	Remarks
1	A standard radiation loop	468KHz	Detector output terminal and ground	Quiet point	T4	Maximum	Volume control at min.position
2	Repeat step 1 for max. output.						

FM ALIGNMENT

Alignment	Equipment	Connection	Step	Gen, Freq	Dial Setting	Adjustment	For
IF	IF sweep generator oscilloscope	TP3	1	10.7MHz	Minimum Frequency	(FM , IF) T3	Symmetrical S-curve on Oscilloscope
		TP5	2	10.7MHz	Minimum Frequency	(FM , DET) T2	Symmetrical S-curve on Oscilloscope

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ALIGNMENT PROCEDURE
MODEL NO:GRUNDIG SONOCLOCK - SC720

FM RF ALIGNMENT

Step	Signal source (FM Signal Gen.) Connect to	Set signal to	Alignment indicator(oscilloscope, VTVM) Connect to	Set radio dial to	Adjust	Adjust for	Remarks
1	TP (1 & 2) through matching network if necessary	87.35MHz modulated	Terminals across speaker voice coil	(Lowest end)	L2 (Osc, coil)	Maximum	Volume control at max. position
2		108.25MHz modulated		(Highest end)	TC2 (osc,trimmer)		
3		88MHz modulated		88MHz	L1 (RF coil) stretch or squeeze		
4		106MHz modulated		106MHz	TC1 (RFtrimmer)		
5	Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary.						

AM RF ALIGNMENT

Step	Signal source (AM Signal Gen.) Connect to	Set signal to	Alignment indicator(oscilloscope, VTVM) Connect to	Set radio dial to	Adjust	Adjust for	Remarks
1	A standard radiation loop ant.	516KHz (modulated)	Across speaker voice coil	(Lowest end)	T1 (Osc, coil)	Maximum	Volume control at max. position
2		1630KHz (modulated)		(Lowest end)	TC3 (Osc,trimmer)		
3		558KHz (modulated)		558KHz	L5 (ant coil)		
4		1440KHz (modulated)		1440KHz	TC4 (ant trimmer)		
5	Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary.						

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