

ALBA**Models 9071, 9073**

General Description: A mains-operated stereo music centre incorporating A.M./F.M. tuner, cassette recorder and record player. The A.M. section covers Medium and Long waves and the total r.m.s. power output is 15W into an 8Ω load.

Mains Supply: 240V, 50Hz.

Fuse: 0.5 A (mains).

Wavebands: L.W. 150-350kHz; M.W. 535-1605kHz; F.M. 88-108MHz.

Tape Speed: $1\frac{7}{8}$ in/s, 4.5 cm/s.

Loudspeakers: 8Ω impedance.

Note: Model 9073 Medium wave range covers from 520 to 1605kHz and also has the facility to play 78 r.p.m. records.

Alignment**M.W. L.W., and F.M.**

1. Signal input must be kept as low as possible to avoid A.G.C. and limiting action.
2. Standard modulation is 400Hz at 30 per cent amplitude.
3. Set volume control at maximum unless otherwise indicated.

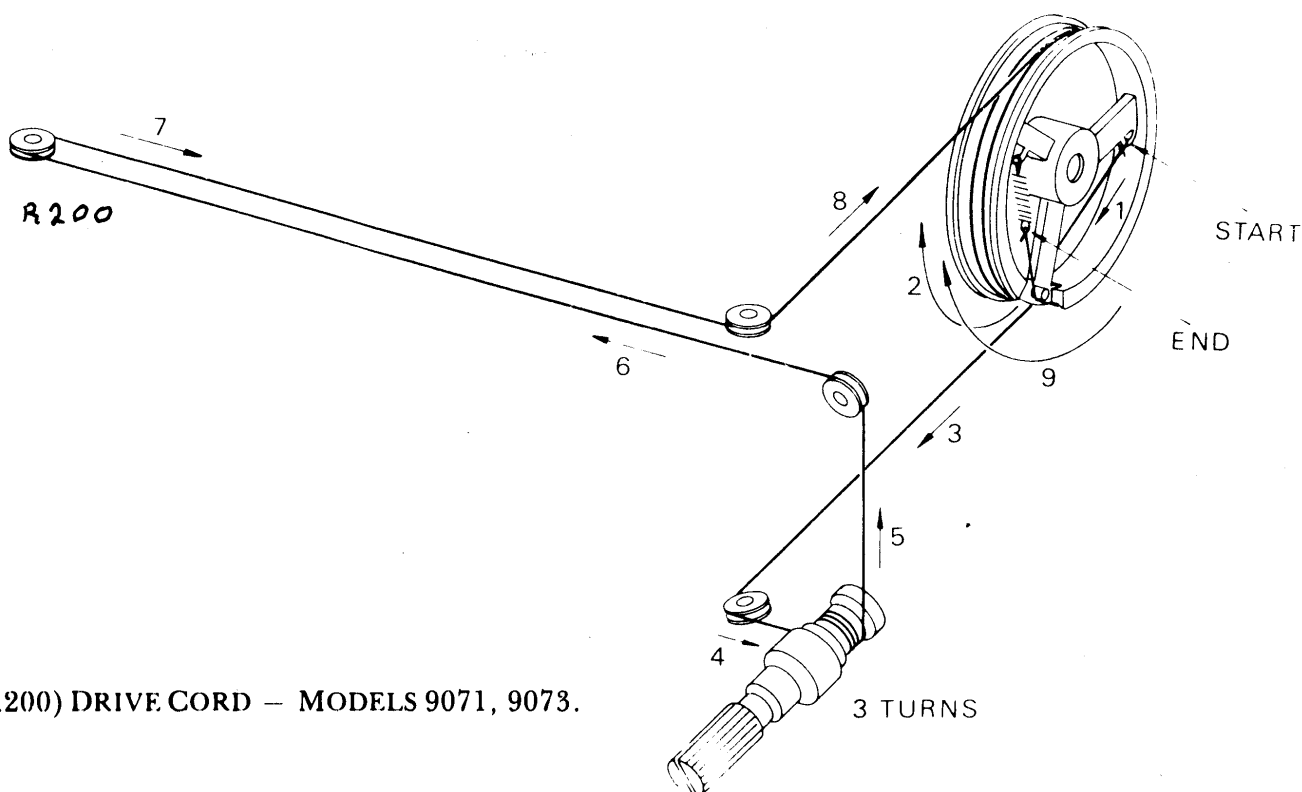
<i>Step</i>	<i>Signal Generator Frequency</i>	<i>Radio Dial Setting</i>	<i>Output indicator connection</i>	<i>Adjust</i>
1.	Set Function Switch on MW			
2.	Sweep Generator Connect to VC3 and Ground	Quiet point on band.	Oscilloscope Connect to Test Point R38 and Ground	T5 (1st A.M. I.F.T.) T8 (2nd A.M. I.F.T.) T6 (3rd A.M. I.F.T.) T7 (4th A.M. I.F.T.)
3.	1,500 KHz	200 metre	V.T.V.M. across voice coil	TC6 (M.W. OSC trim) L5 (M.W. OSC coil)
4.	600KHz	500 metre		
5.	Repeat steps (3) and (4).			
6.	1,400 KHz	214 metre	V.T.V.M... across voice coil	TC4 (M.W. aerial trim) L7 (M.W. aerial coil)
7.	600 KHz	500 metre		
8.	Repeat steps (6) and (7).			
9.	Set Function Switch on LW.			
10.	300 KHz	1,000 metre	V.T.V.M... across voice coil	TC7 (L.W. OSC trim) L6 (L.W. OSC coil)
11.	150 KHz	2,000 metre		
12.	Repeat steps (10) and (11).			
13.	300 KHz	1,000 metre	V.T.V.M... across voice coil	TC5 (L.W. aerial trim) L8 (L.W. aerial coil)
14.	170 KHz	1,760 metre		
15.	Repeat steps (13) and (14).			

Step	Signal Generator Frequency	Radio Dial Setting	Output indicator connection	Adjust
16.	Set Function Switch on V.H.F. Sweep Generator connect to			T1 (1st A.M. I.F.T.) T2 (2nd A.M. I.F.T.)
17.	Test Point R6 Through 2 PF capacitor and Ground.	Quiet point on band	Oscilloscope connect to R46 and	T3 (F.M. Ratio Detec.) T4 (F.M. Ratio Detec.)
18.	104 MHz	104 MHz	V. T. V. M...	TC3 (F.M. OSC trim)
19.	88 MHz	88 MHz	across voice coil	L4 (F.M. OSC coil)
20.	Repeat steps (18) and (19).			
21.	100 MHz	100 MHz	V. T. V. M... across voice coil	TC1 (F.M. aerial trim) TC2 (F.M. R.F. trim)
22.	90 MHz	90 MHz		L1 (F.M. aerial coil) L2 (F.M. R.F. coil)
23.	Repeat steps (21) and (22)			

decoder:

1. R.F. deviation should be set approximately 75 kHz Dev./1,000 Hz.
2. Set signal input 1,1000 μ V.
3. Tune radio 95 MHz.
4. Set volume control at 500mW output.

Step	Signal Source	Output indicator connection	Adjust	Adjust for
1.	Set Function Switch on V.H.F.			
2.		Frequency Counter connect to TP3 and Ground	SVR-1	19 KHz
3.	Stereo Signal Generator (L) or (R)	Voice coil right channel or (left channel)	SVR-2	minimum

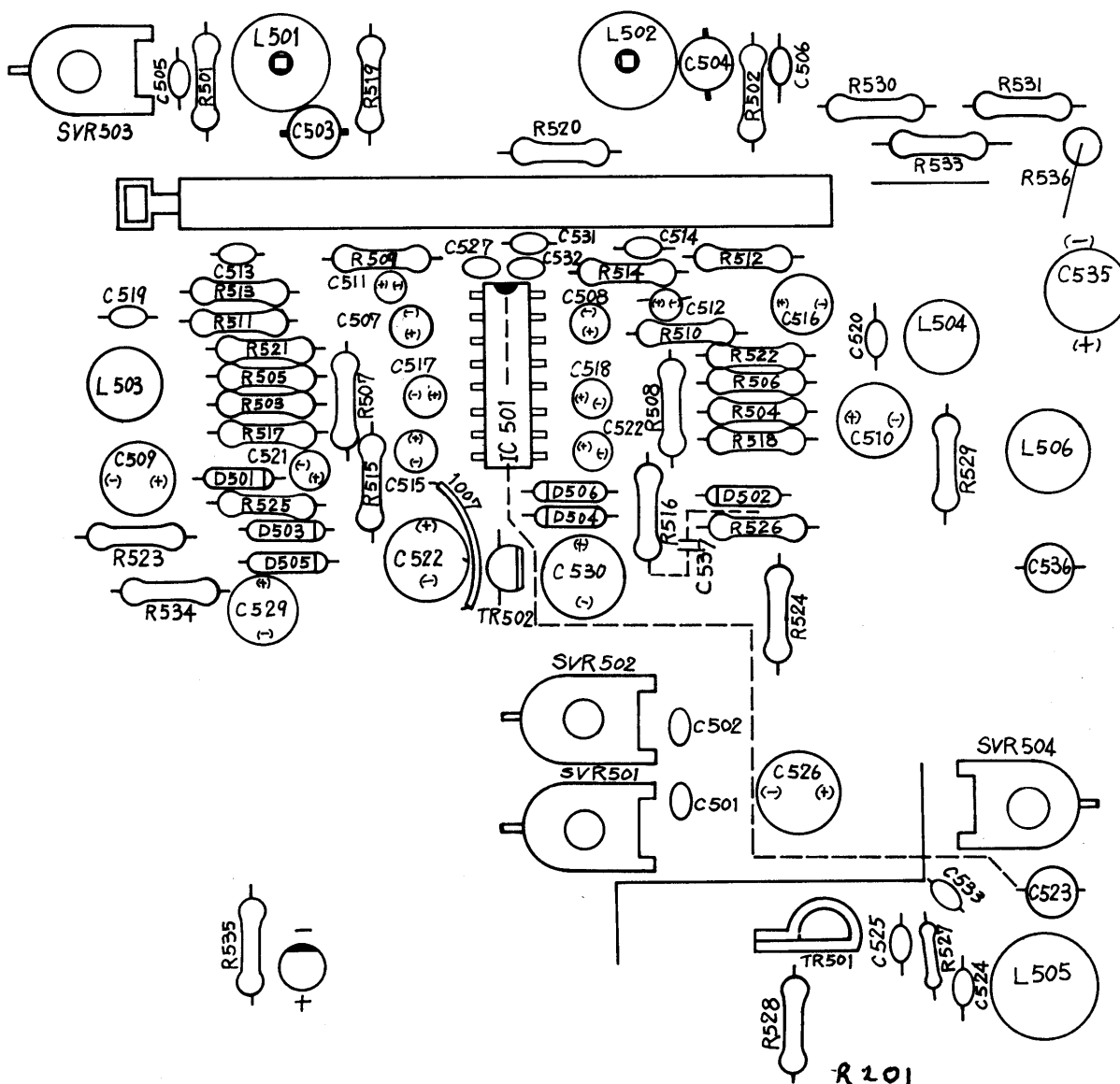


Adjustments

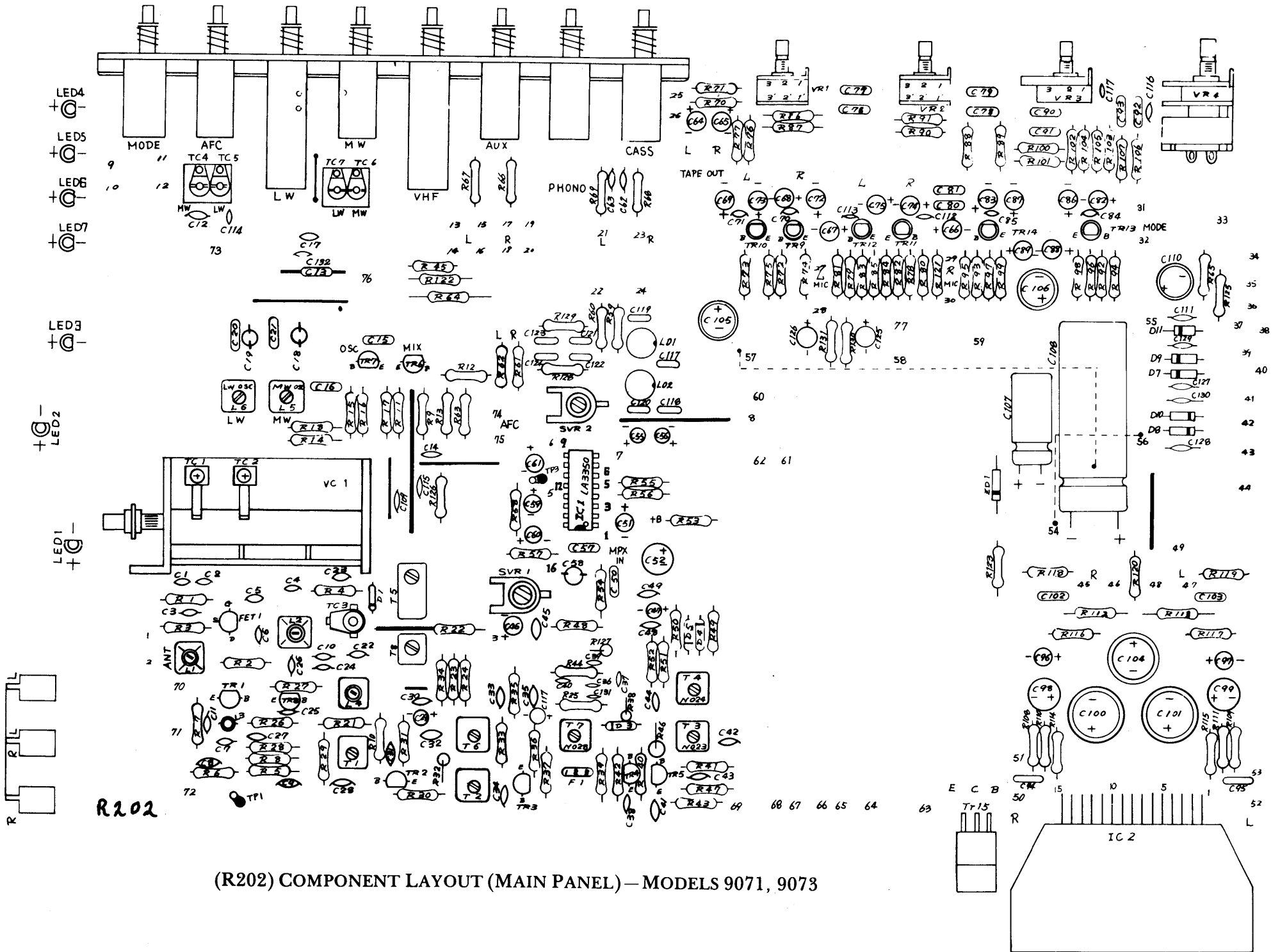
Cassette Tape Recorder

1. Set a 333 Hz Odb Pre-recorded Test tape in the cartridge holder, And push on play button.

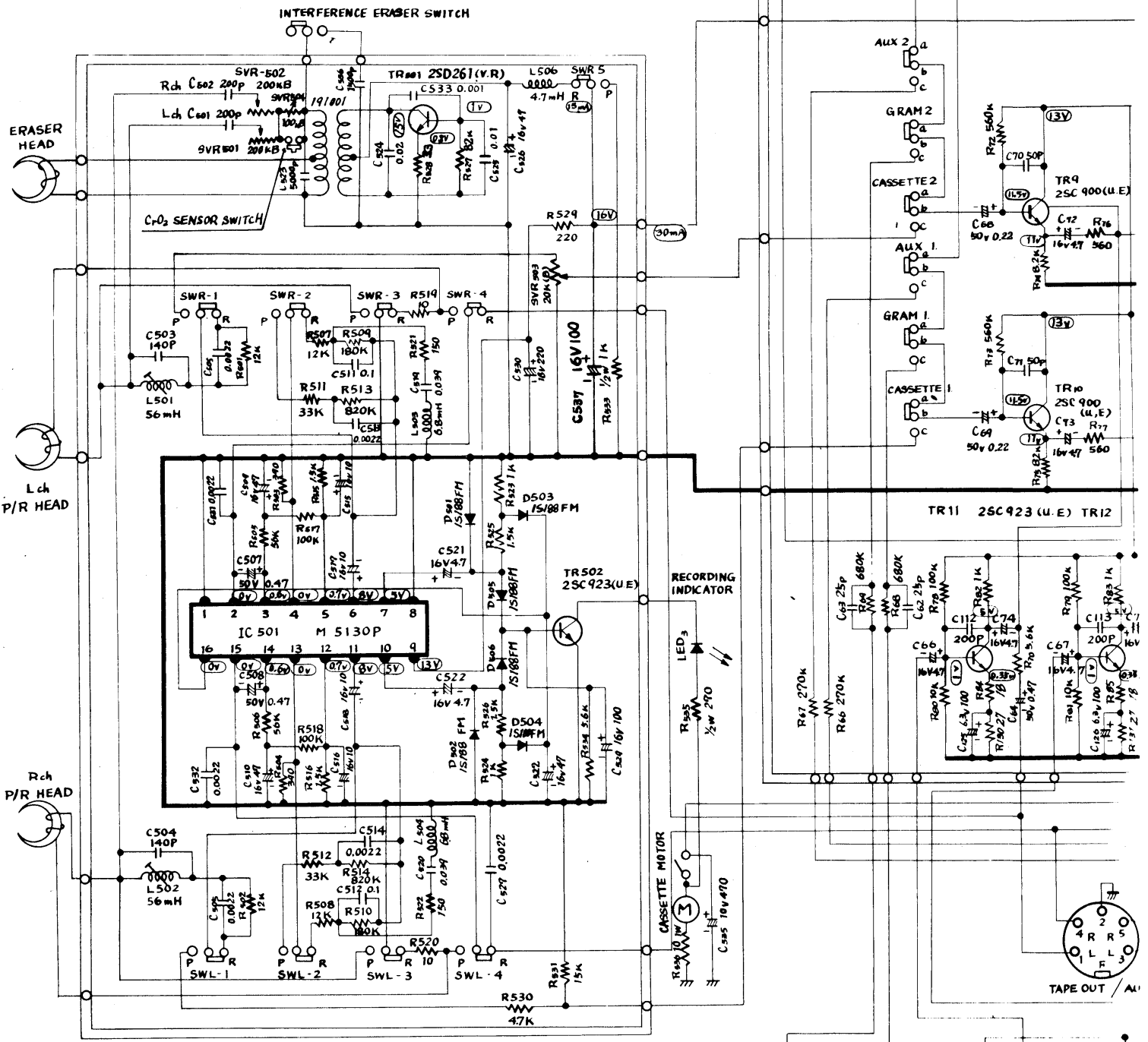
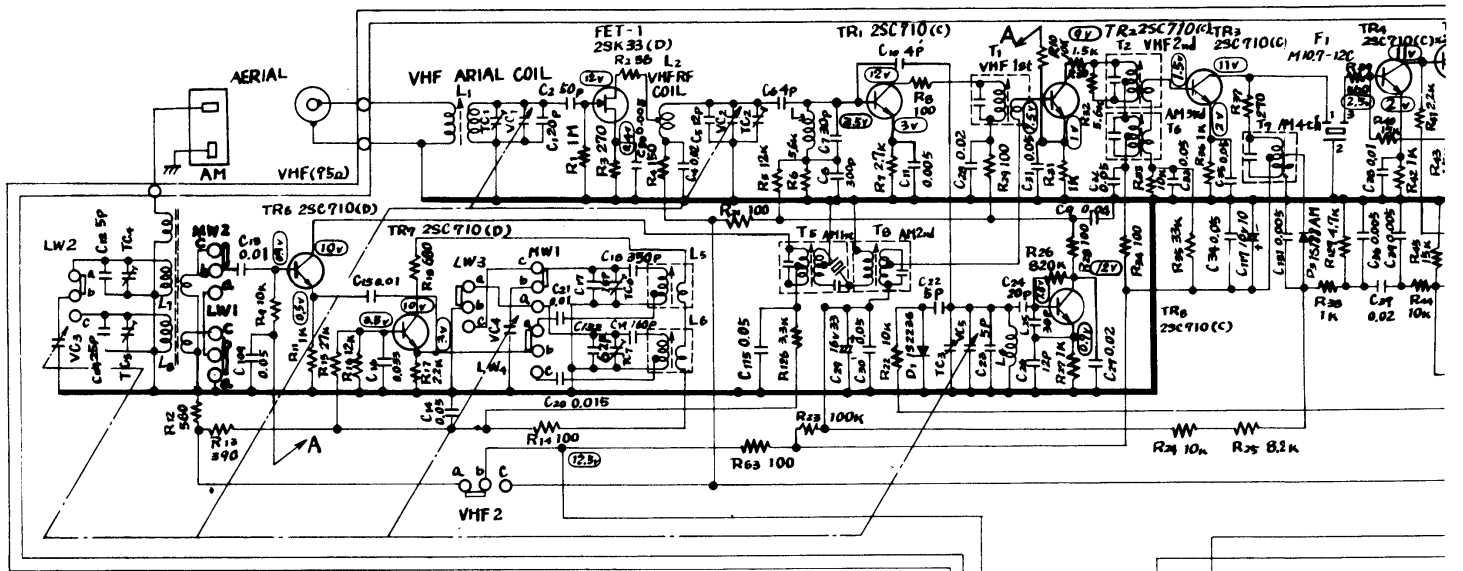
Step	Output Indication Connection	Adjust	Adjust for
1.	V.T.V.M. across TP501 V.T.V.M. across TP502	SVR503	Same Output Level as TP501
2.	1. Set blank chromium dioxide tape in cassette holder. 2. Push on recording and play button.		
3.	V.T.V.M. across TP503 V.T.V.M. across TP504	L501 L502	maximum
4.	V.T.V.M. across TP503 V.T.V.M. across TP504	SVR501 SVR502	5·6mV
5.	1. Set blank normal tape in cassette holder. 2. Push on recording and play button.		
6.	V.T.V.M. across TP503 V.T.V.M. across TP504	SVR504	3·6 mV



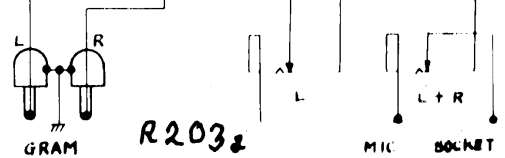
(R201) COMPONENT LAYOUT (TAPE SECTION) — MODELS 9071, 9073.



(R202) COMPONENT LAYOUT (MAIN PANEL)—MODELS 9071, 9073



(R203a) CIRCUIT DIAGRAM - MODELS 9071, 9073 (Part)



R203a

