

GRUNDIG

Models Transonette 60, 70

Transonette 60

General Description: Seven transistor, two waveband M.W./L.W. portable receiver. 9-volt battery.

Semi-conductors: (VT₁, VT₂, VT₃) AF127; (VT₄) OC304; (VT₅) OC305; (VT₆) AC117; (VT₇) AC175 (*n-p-n*).

Adjustments: Output stage quiescent current: Connect ammeter at point X and adjust R₃₉ for a reading of 7 mA.; I.F. stage: Check with battery voltage of 7.5 volts. Adjust R₁₅ for 0.82 volts across R₁₉.

Transonette 70

General Description: Six-transistor, two-waveband M.W./S.W. portable receiver. 9-volt battery.

Semi-conductors: (VT₁, VT₂) AF126; (VT₃) AF127; (VT₄) TF65; (VT₅, VT₆) AC126.

Adjustments: Output stage quiescent current: Adjust R₃₆ for 5 mA. at measuring point, with battery at 7.5 volts; I.F. Adjust R₁₄ for 0.82 volts across R₁₉.

I.F. Alignment 460 kc/s.

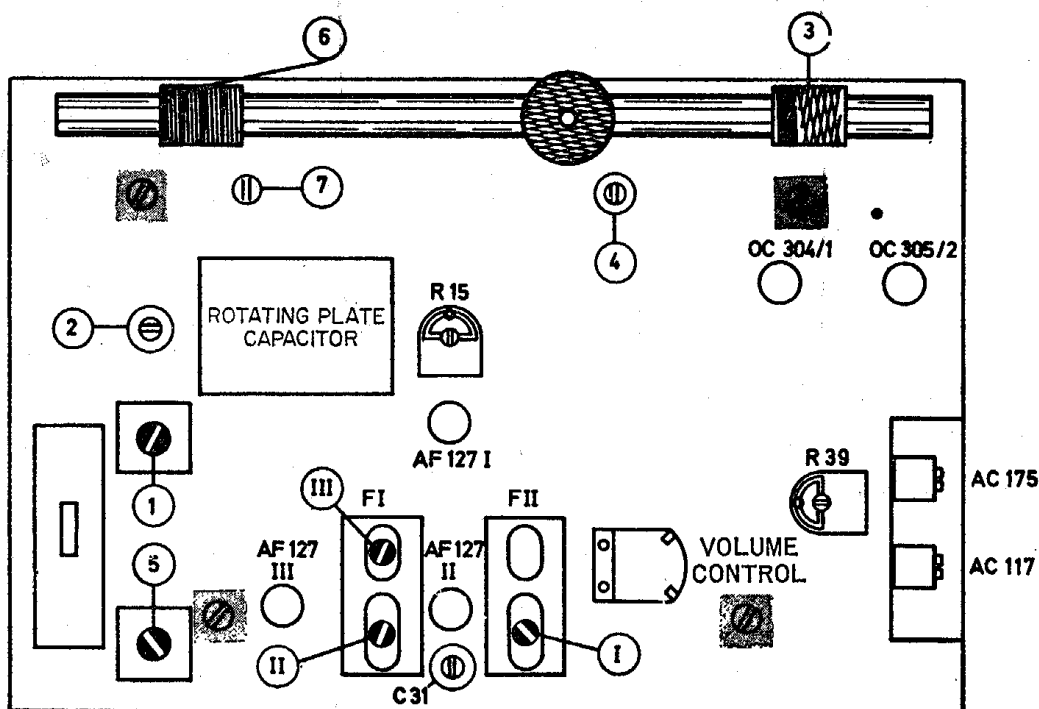
Alignment sequence	Wobbulator connection	Oscilloscope connection	Alignment points
I.F. I	Via 5 pF. to collector A.F. 127 II	Loose capacity coupling via crocodile clip and diode probe to junction of detection diode and C ₃₁	Align (I) with C ₃₁ Neutralisation *
I.F. II	Secondary circuit I.F. I		(I) to maximum and symmetrical
I.F. I	Aerial circuit—variable capacitor		(II) and (III) at maximum and symmetrical

* Neutralisation

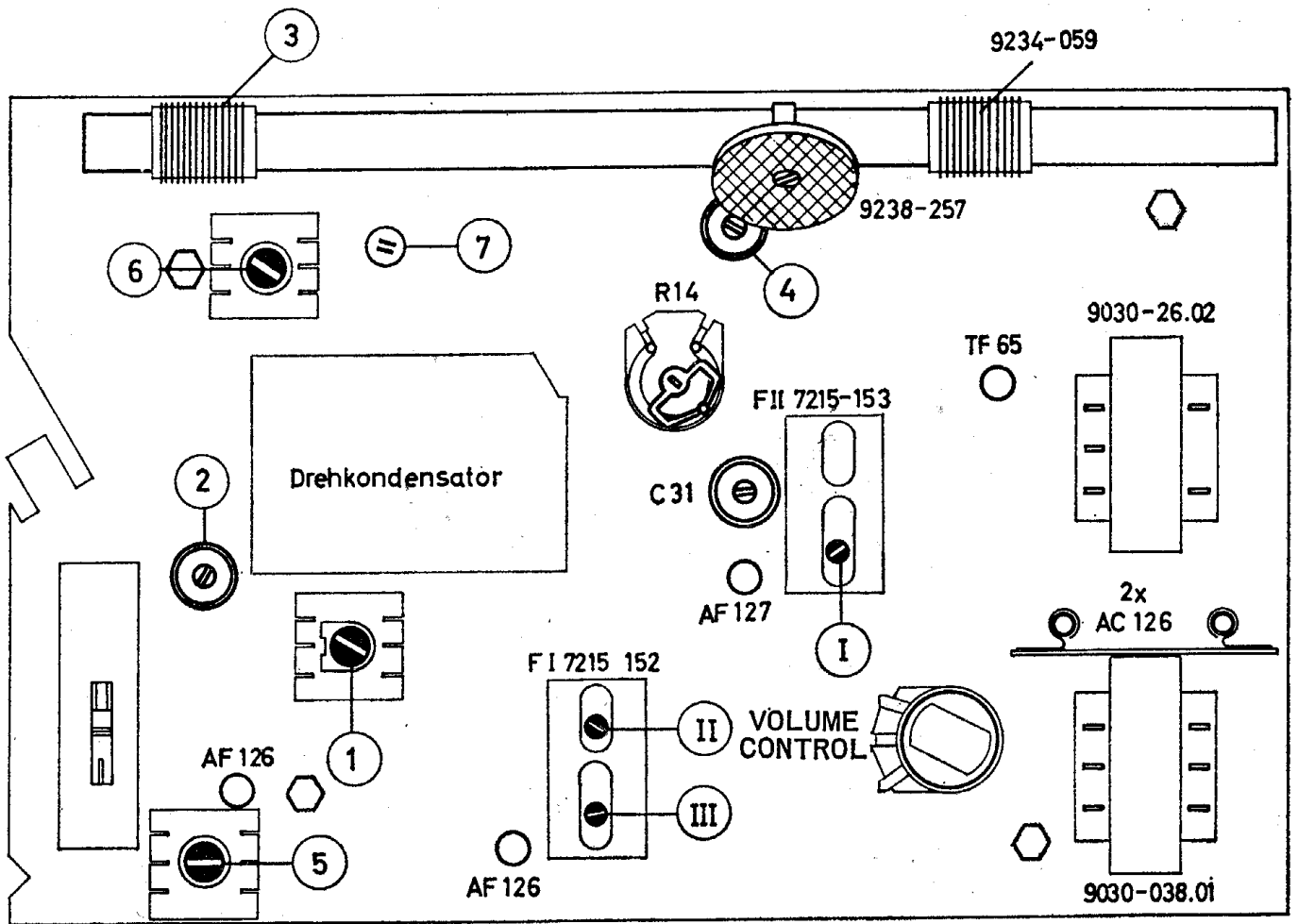
First detune cores (II) and (III). Align coil (I) to 460 kc/s. Then tune base circuit (II) to 460 kc/s. If the I.F. stage begins to oscillate, the neutralisation trimmer C₃₁ has to be detuned until the oscillation ceases. C₃₁ has been correctly adjusted when the symmetrical I.F. curve shows a dip on the top.

Oscillator and Aerial Alignment

Range frequency and pointer setting		Oscillator	Aerial
M.W.	560 kc/s.	(1) Max.	(3) Max.
	1450 kc/s.	(2) Max.	(4) Max.
L.W. TR60	150 kc/s.	(5) Max.	(6) Max.
	320 kc/s.	—	(7) Max.
S.W. TR70	5.5 Mc/s.	(5) Max.	(6) Max.
	11 Mc/s.	—	(7) Max.

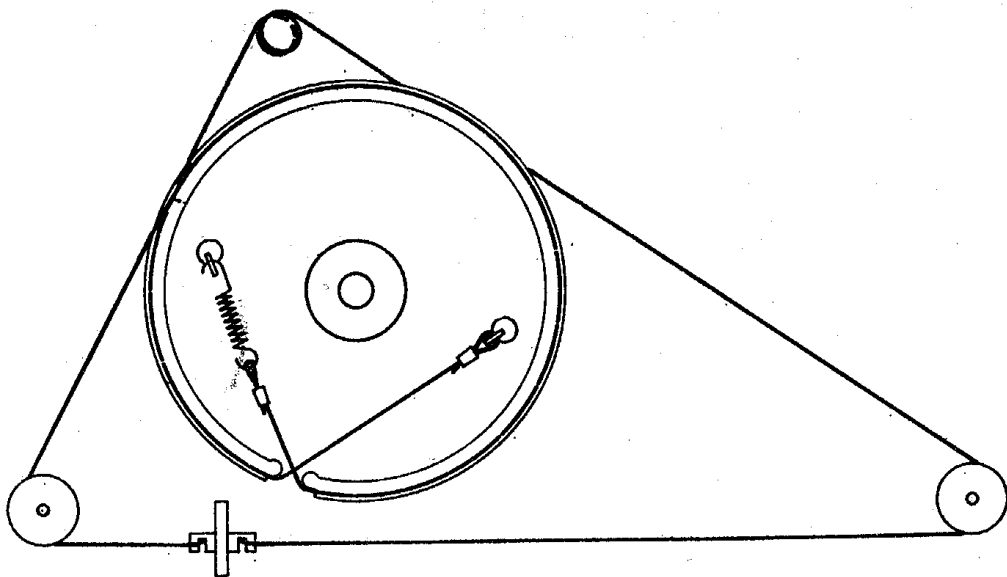


ALIGNMENT POINTS TRANSONETTE 60

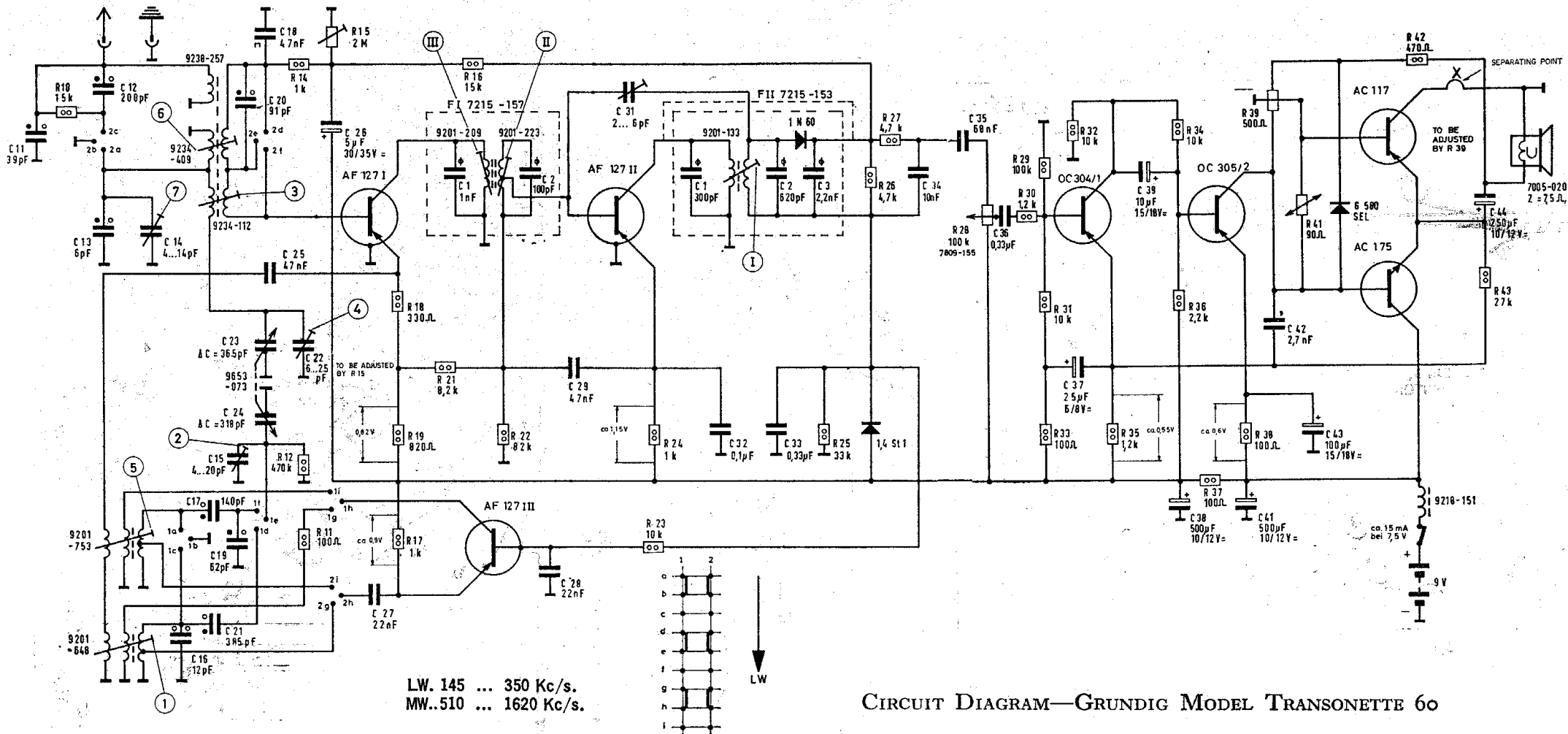


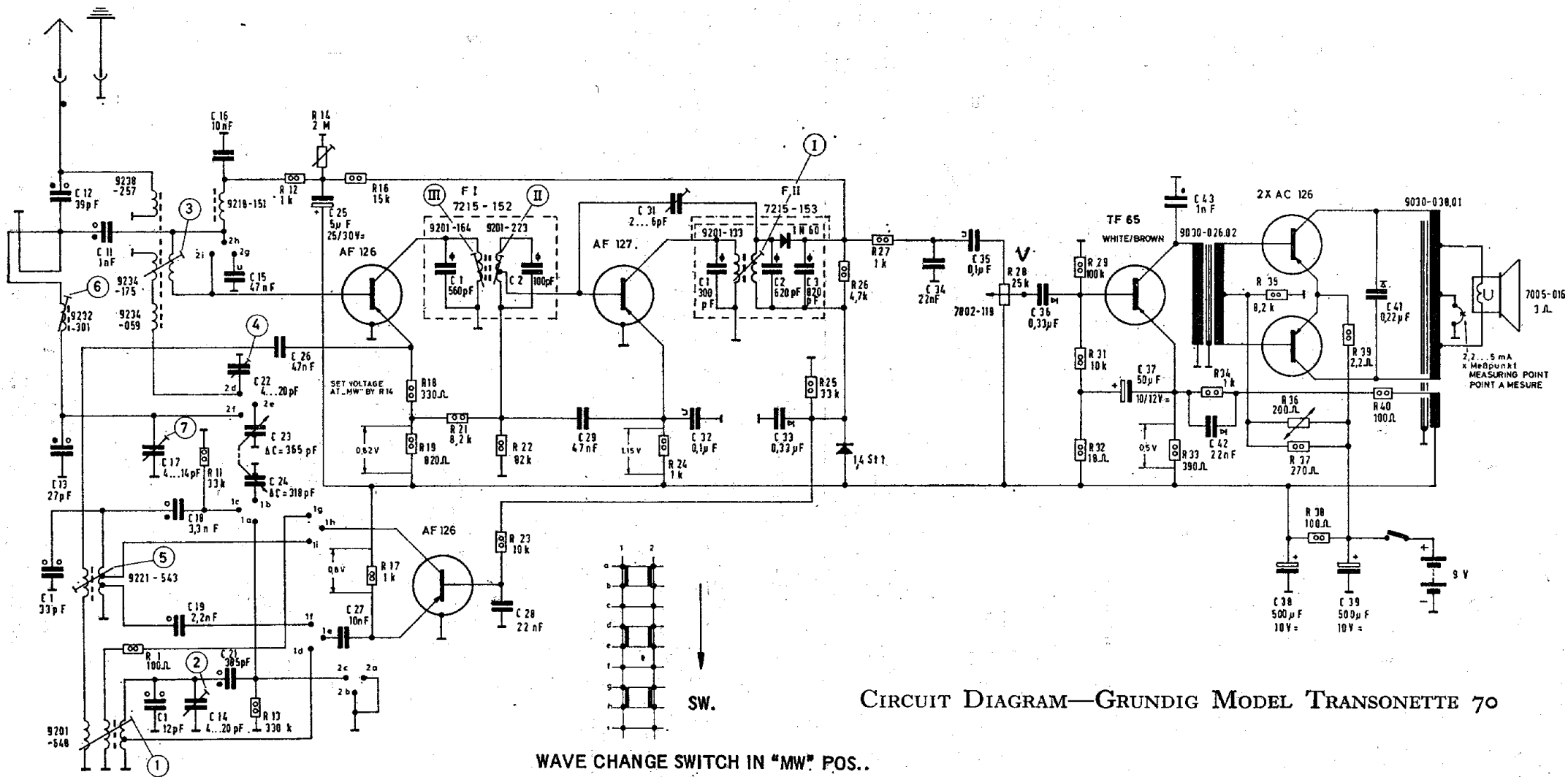
ALIGNMENT POINTS TRANSONETTE 70

Chassis Removal: Remove knobs and loosen two screws on the rear side. Unsolder the connections for battery, loudspeaker and aerial. Unhook pointer. Loosen four screws on chassis (shown as shaded on alignment diagram). Remove chassis carefully.



DRIVE CORD ASSEMBLY (BOTH MODELS)
Length approximately 800 mm. (31.4 ins.).





CIRCUIT DIAGRAM—GRUNDIG MODEL TRANSONETTE 70

WAVE CHANGE SWITCH IN "MW" POS..