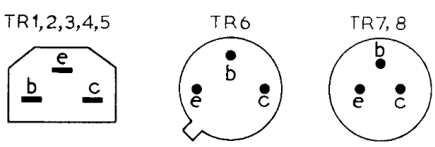
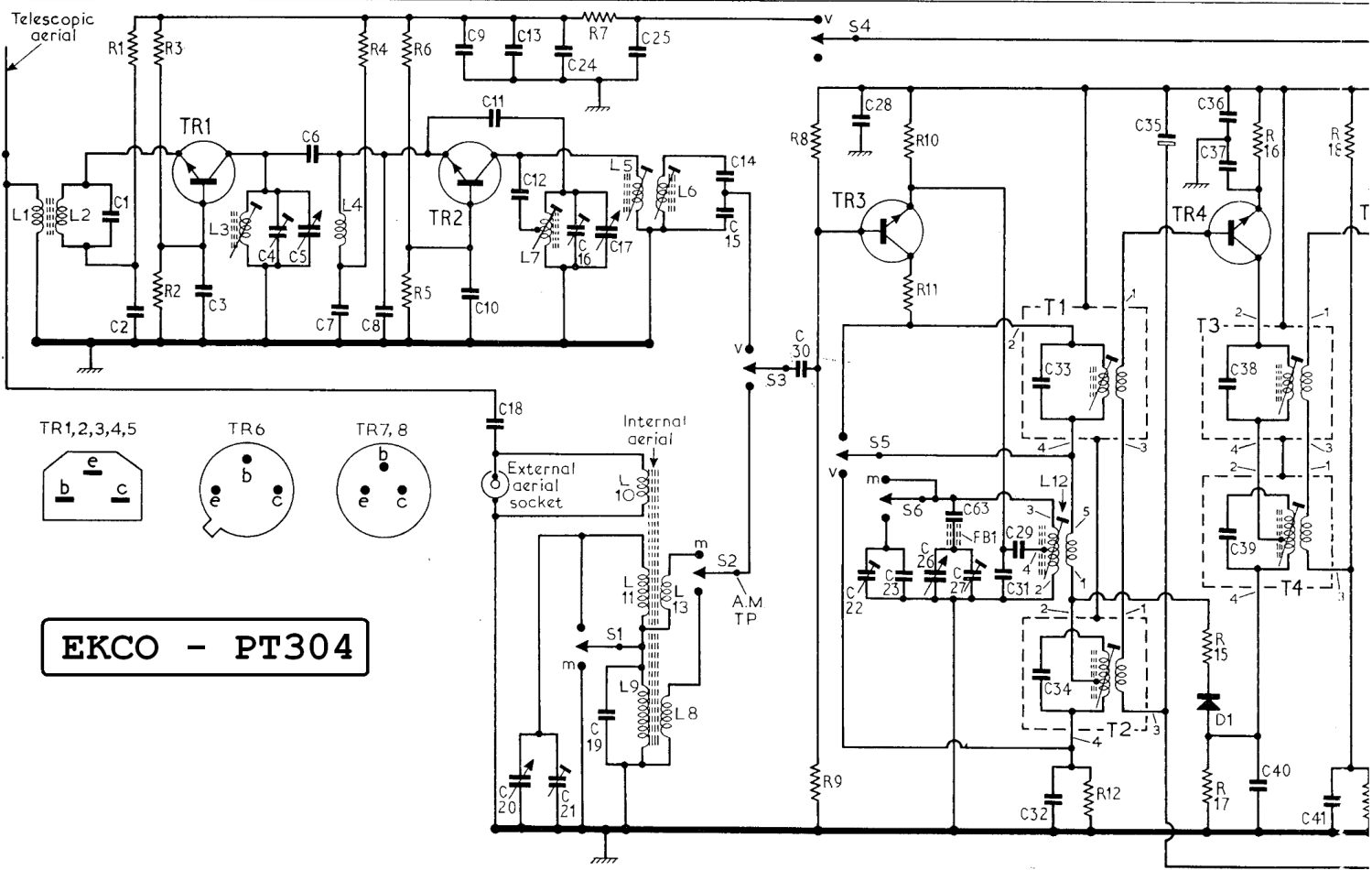
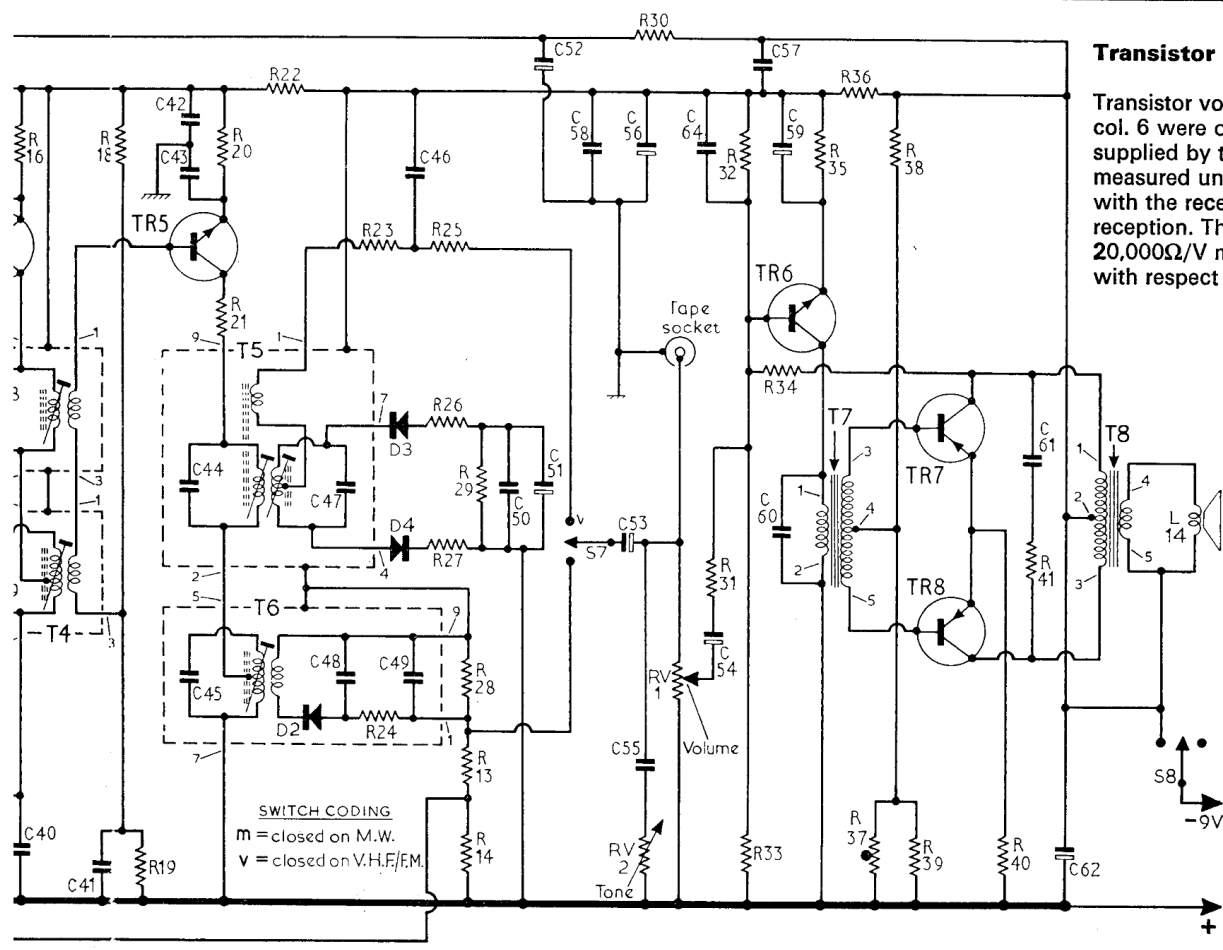


C	1	2	3	4	5,6	7	8	9,10,11,18,13,12,20,21,24,16,17,19,25	14,15	30	28,22,23	26,63,27	31,29,33,34,32	35	36,37,38,39,40	41
R	1	2,3				4	5,6	7		8,9	10,11		12		15,17	16
L	1,2		3	4				7	9,10,11,8,13,5,6					12	T1,T2	T3,T4



EKCO - PT304

39,40	41	42,43,44,45	47,48	46,49	50	52,51	58	53,56,55	64,54	57,59,60	61	62	C
16	18	19	20,21	22	23,24	25,26,27,28,13,14,29	RV2,30,RV1,31,32,33,34	35	36,37,38,39	40	41		R
T3,T4		T5,T6				T7				T8		14	L



Transistor analysis

Transistor voltages given in the table in col. 6 were obtained from information supplied by the manufacturers, they were measured under quiescent conditions with the receiver switched for v.h.f./f.m. reception. They were measured on a 20,000Ω/V meter and are all negative with respect to the positive rail.

Transistor	Emitter (V)	Base (V)	Collector (V)
TR1	BF194	-5.5	-4.6
TR2	BF195	-6.4	-5.7
TR3	BF195	-5.6	-4.8
TR4	BF194	-6.5	-5.4
TR5	BF194	-5.0	-4.2
TR6	BC108	-5.4	-4.4
TR7	AC128	-0.03	-0.15
TR8	AC128	-0.03	-0.15

Quiescent current: A.M. 18mA; F.M. 22mA.

Coils and transformers

L1	—	D3
L2	—	D3
L3	—	D3
L4	—	D3
L5	—	D3
L6	—	D3
L7	—	D3
L8	—	C2
L9	—	C2
L10	—	B2
L11	—	B1
L12	—	B1
L13	—	B1
L14	3Ω	B2
T1	—	B1
T2	—	B1
T3	—	B1
T4	—	B2
T5	—	B1
T6	—	B1
T7	—	B1
T8	—	B1

12. – Repeat operations 10 and 11 until calibration and tracking is correct.