

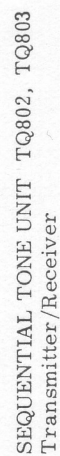
NOTE 1. WHEN ST801/2 IS TO BE USED FOR INDENFICATION
THE BROWN WIRE AT TERMINAL 8 CP808 SHOULD
BE MOVED TO TERMINAL 10.

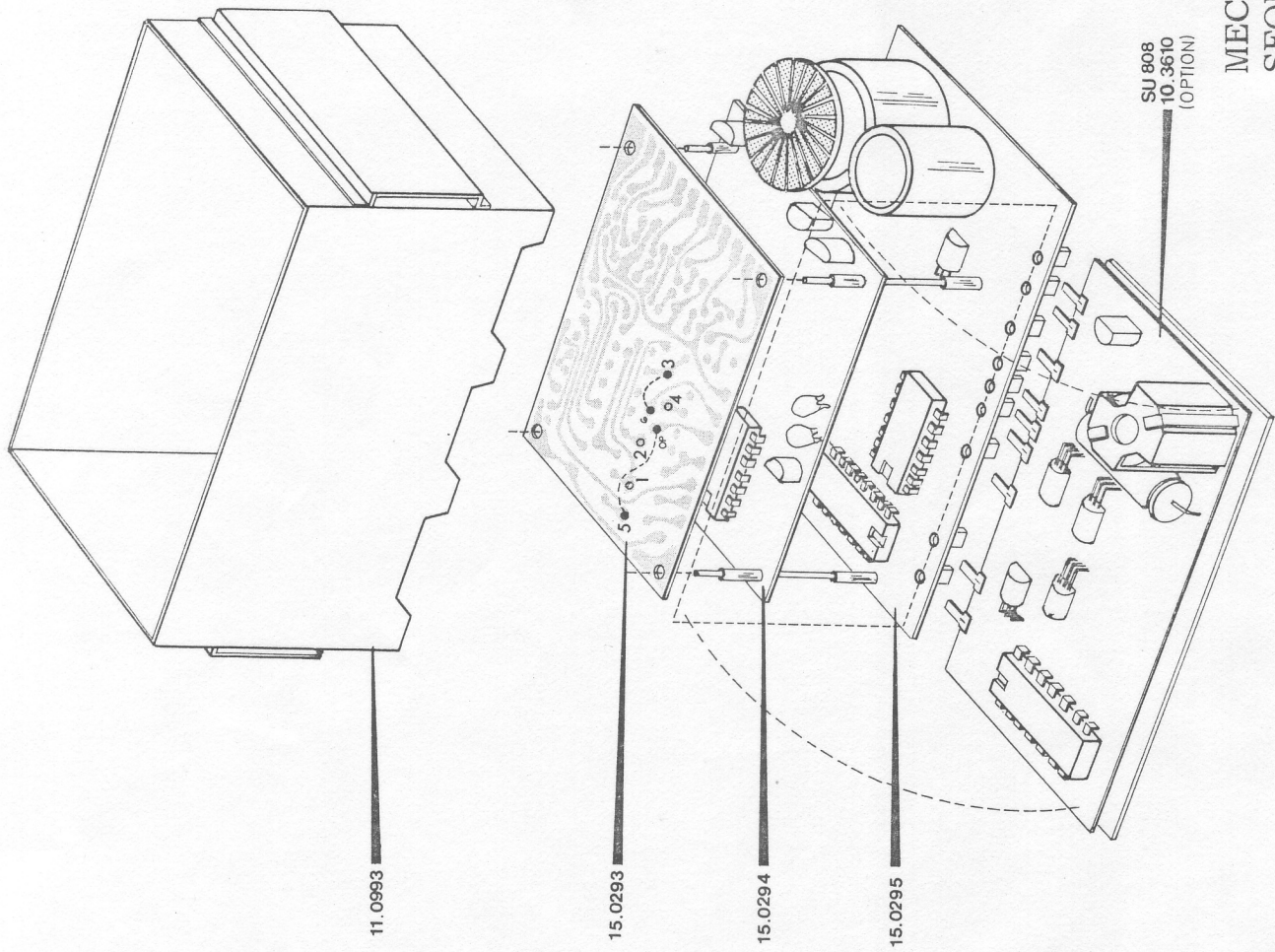
NOTE 2. SHORT CIRCUIT FOR AUTOMATIC RECEIPT.

NOTE 3. FOR SR801/2 AND ST801/2 A RESISTOR, 120 K Ω , 5%, 1/10W
IS INSTALLED.

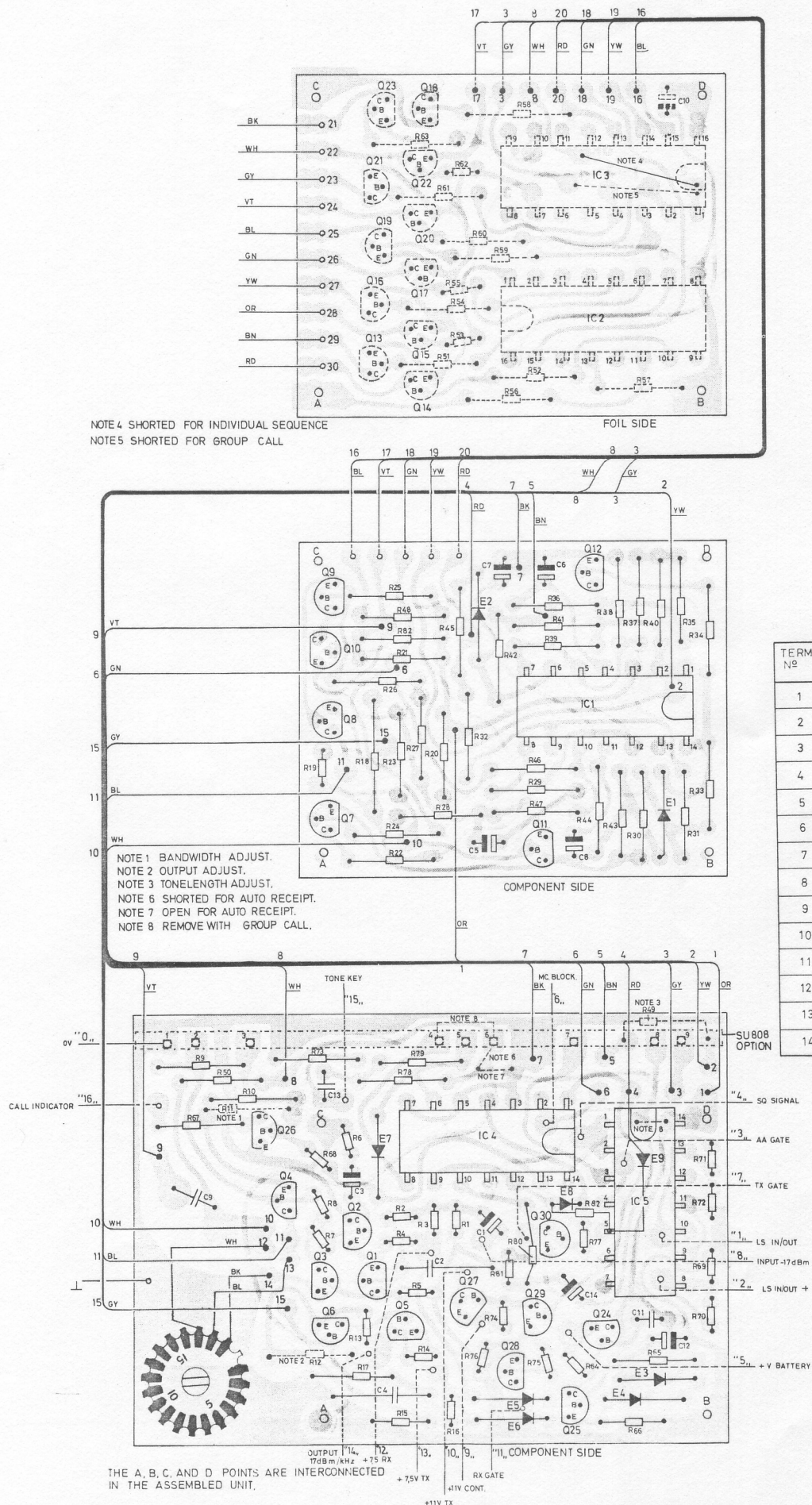
NOTE 4. DIODE ONLY TO BE INSTALLED IN COP863U WITH ST801

TONE EQUIPMENT WIRING CQP800U





MECHANICAL LAYOUT
TQ802-TQ803
SEQUENTIAL TONE UNIT



SEQUENTIAL TONE UNIT TQ802, TQ803
Transmitter/Receiver

TYPE	NO	CODE	DATA
TQ802		10.3425 00	Sequential Tone Transmitter/Receiver
TQ803		10.3426 00	Sequential Tone Transmitter/Receiver
	C1	73.5089	0.1 μ F 20% tantal
	C2	76.5109	1 nF 2.5% polystyr TB
	C3	73.5125	0.47 μ F 20% tantal
	C4	76.5124	2.2 nF 10% ceram PL
	C5	73.5118	0.22 μ F 20% tantal
	C6	73.5089	0.1 μ F 20% "
	C7	73.5125	0.47 μ F 20% "
	C8	73.5125	0.47 μ F 20% "
	C9	76.5122	47 nF 2% polystyr TB
	C10	73.5114	1 μ F 20% tantal
	C11	76.5069	1 nF 10% polyester FL
	C12	73.5114	1 μ F 20% tantal
	C13	74.5346	2.2 nF 10% ceram PL
	C14	73.5089	0.1 μ F 20% tantal
	R1	80.5075	0.15 M Ω 5% carbon film
	R2	80.5070	56 k Ω 5% "
	R3	80.5077	0.22 M Ω 5% "
	R4	80.5071	68 k Ω 5% "
	R5	80.5066	27 k Ω 5% "
	R6	80.5055	3.3 k Ω 5% "
	R7	80.5075	0.15 M Ω 5% "
	R8	80.5063	15 k Ω 5% "
	R9	80.5071	68 k Ω 5% "
	R10	80.5064	18 k Ω 5% "
	R11	80.50xx	ADJ 5% "
	R12	80.50xx	ADJ 5% "
	R13	80.5059	6.8 k Ω 5% "
	R14	80.5057	4.7 k Ω 5% "
	R15	80.5054	2.7 k Ω 5% "
	R16	80.5080	0.39 M Ω 5% "
	R17	80.5073	0.1 M Ω 5% "
	R18	89.5074	1 M Ω 2% metal film
	R19	89.5076	15 k Ω 5% NTC
	R20	80.5064	18 k Ω 5% carbon film
	R21	80.5066	27 k Ω 5% "
	R22	80.5059	6.8 k Ω 5% "
	R23	80.5084	0.82 M Ω 5% "
	R24	80.5073	0.1 M Ω 5% "
	R25	80.5068	39 k Ω 5% "
	R26	80.5066	27 k Ω 5% "
	R27	80.5070	56 k Ω 5% "
	R28	80.5075	0.15 M Ω 5% "
	R29	80.5071	68 k Ω 5% "
	R30	80.5046	560 Ω 5% "

TYPE	NO	CODE	DATA
	R31	80.5073	0.1 M Ω 5% carbon film
	R32	80.5076	0.18 M Ω 5% "
	R33	80.5062	12 k Ω 5% "
	R34	80.5080	0.39 M Ω 5% "
	R35	80.5075	0.15 M Ω 5% "
	R36	80.5066	27 k Ω 5% "
	R37	80.5078	0.27 M Ω 5% "
	R38	80.5077	0.22 M Ω 5% "
	R39	80.5077	0.22 M Ω 5% "
	R40	80.5061	10 k Ω 5% "
	R41	80.5075	0.15 M Ω 5% "
	R42	80.5071	68 k Ω 5% "
	R43	80.5077	0.22 M Ω 5% "
	R44	80.5062	12 k Ω 5% "
	R45	80.5049	1 k Ω 5% "
	R46	80.5075	0.15 M Ω 5% "
	R47	80.5079	0.33 M Ω 5% "
	R48	80.5067	33 k Ω 5% "
	R49	80.50xx	ADJ 5% "
	R50	80.5083	0.68 M Ω 5% "
	R51	80.5054	2.7 k Ω 5% "
	R52	80.5054	2.7 k Ω 5% "
	R53	80.5054	2.7 k Ω 5% "
	R54	80.5054	2.7 k Ω 5% "
	R55	80.5054	2.7 k Ω 5% "
	R56	80.5076	0.18 M Ω 5% "
	R57	80.5078	0.27 M Ω 5% "
	R58	80.5073	0.1 M Ω 5% "
	R59	80.5054	2.7 k Ω 5% "
	R60	80.5054	2.7 k Ω 5% "
	R61	80.5054	2.7 k Ω 5% "
	R62	80.5054	2.7 k Ω 5% "
	R63	80.5054	2.7 k Ω 5% "
	R64	80.5071	68 k Ω 5% "
	R65	80.5074	0.12 M Ω 5% "
	R66	80.5070	56 k Ω 5% "
	R67	80.5048	820 Ω 5% "
	R68	80.5061	10 k Ω 5% "
	R69	80.5074	0.12 M Ω 5% "
	R70	80.7072	82 k Ω 5% "
	R71	80.7072	82 k Ω 5% "
	R72	80.5074	0.12 M Ω 5% "
	R73	80.5075	0.15 M Ω 5% "

SEQUENTIAL TONE UNIT TQ802, TQ803
Transmitter/Receiver

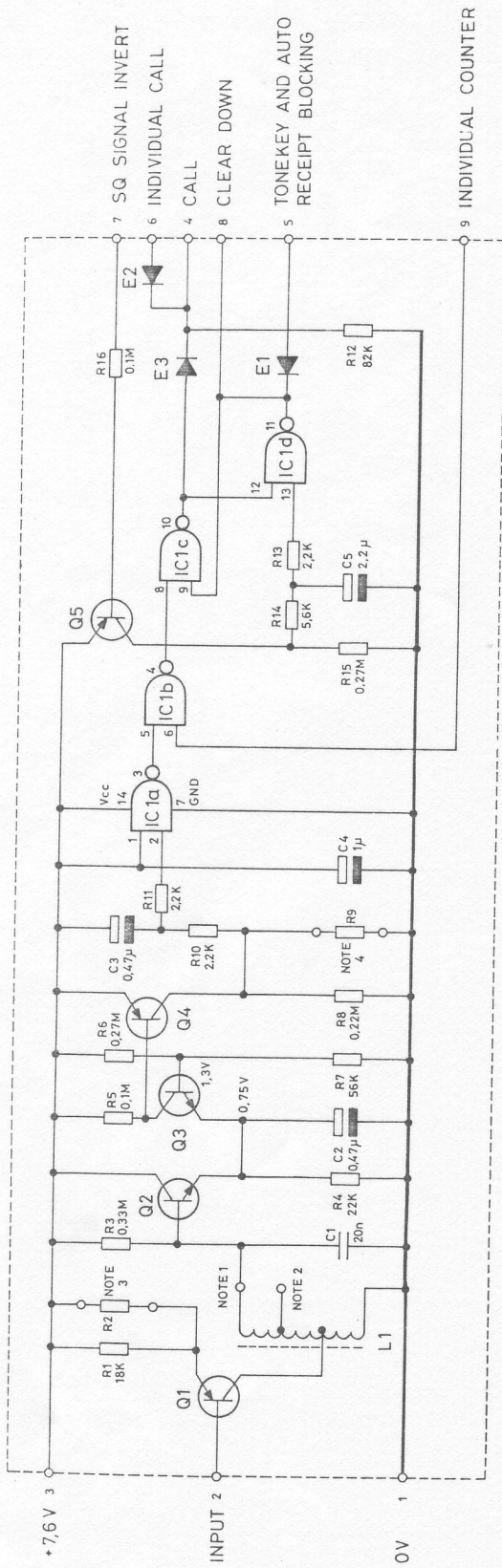
X402.531

TYPE	N ₀	CODE	DATA
	Q28	99. 5143	BC238 Transistor
	Q29	99. 5324	BC338-25 "
	Q30	99. 5143	BC238 "
	IC1	14. 5019	MC3302P quad. comparator
	IC2	14. 5052	CD4017 decimal counter/divider
	IC3	14. 5052	CD4017 decimal counter/divider
	IC4	14. 5098	CD4013 dual D-flip-flop
	IC5	14. 5074	CD4001 quad. 2-input NOR

SEQUENTIAL TONE UNIT TQ802, TQ803
Transmitter/Receiver

X402. 531

TYPE	N ₀	CODE	DATA
	R74	80. 5054	2.7 kΩ 5%
	R75	80. 5042	270 Ω 5%
	R76	80. 5043	330 Ω 5%
	R77	80. 5076	0.18 MΩ 5%
	R78	80. 5066	27 kΩ 5%
	R79	80. 5067	33 kΩ 5%
	R80	80. 5061	10 kΩ 5%
	R81	80. 5078	0.27 MΩ 5%
TQ802	L1	61. 1337	Tone Coil
TQ803	L1	61. 1366	Tone Coil
	E1	99. 5237	1 N 4148 Diode
	E2	99. 5237	1 N 4148 Diode
	E3	99. 5237	1 N 4148 Diode
	E4	99. 5237	1 N 4148 Diode
	E5	99. 5237	1 N 4148 Diode
	E6	99. 5237	1 N 4148 Diode
	E7	99. 5237	1 N 4148 Diode
	E8	99. 5237	1 N 4148 Diode
	Q1	99. 5230	BC308 Transistor
	Q2	99. 5230	BC308 "
	Q3	99. 5143	BC238 "
	Q4	99. 5230	BC308 "
	Q5	99. 5230	BC308 "
	Q6	99. 5143	BC238 "
	Q7	99. 5230	BC308 "
	Q8	99. 5115	BC309 "
	Q9	99. 5230	BC308 "
	Q10	99. 5230	BC308 "
	Q11	99. 5143	BC238 "
	Q12	99. 5143	BC238 "
	Q13	99. 5324	BC338-25 "
	Q14	99. 5324	BC338-25 "
	Q15	99. 5324	BC338-25 "
	Q16	99. 5324	BC338-25 "
	Q17	99. 5324	BC338-25 "
	Q18	99. 5143	BC238 "
	Q19	99. 5324	BC338-25 "
	Q20	99. 5324	BC338-25 "
	Q21	99. 5324	BC338-25 "
	Q22	99. 5324	BC338-25 "
	Q23	99. 5324	BC338-25 "
	Q24	99. 5230	BC308 "
	Q25	99. 5143	BC238 "
	Q26	99. 5143	BC238 "
	Q27	99. 5337	BC369 "



PRINTED CIRCUIT VIEWED FROM COMPONENT SIDE

