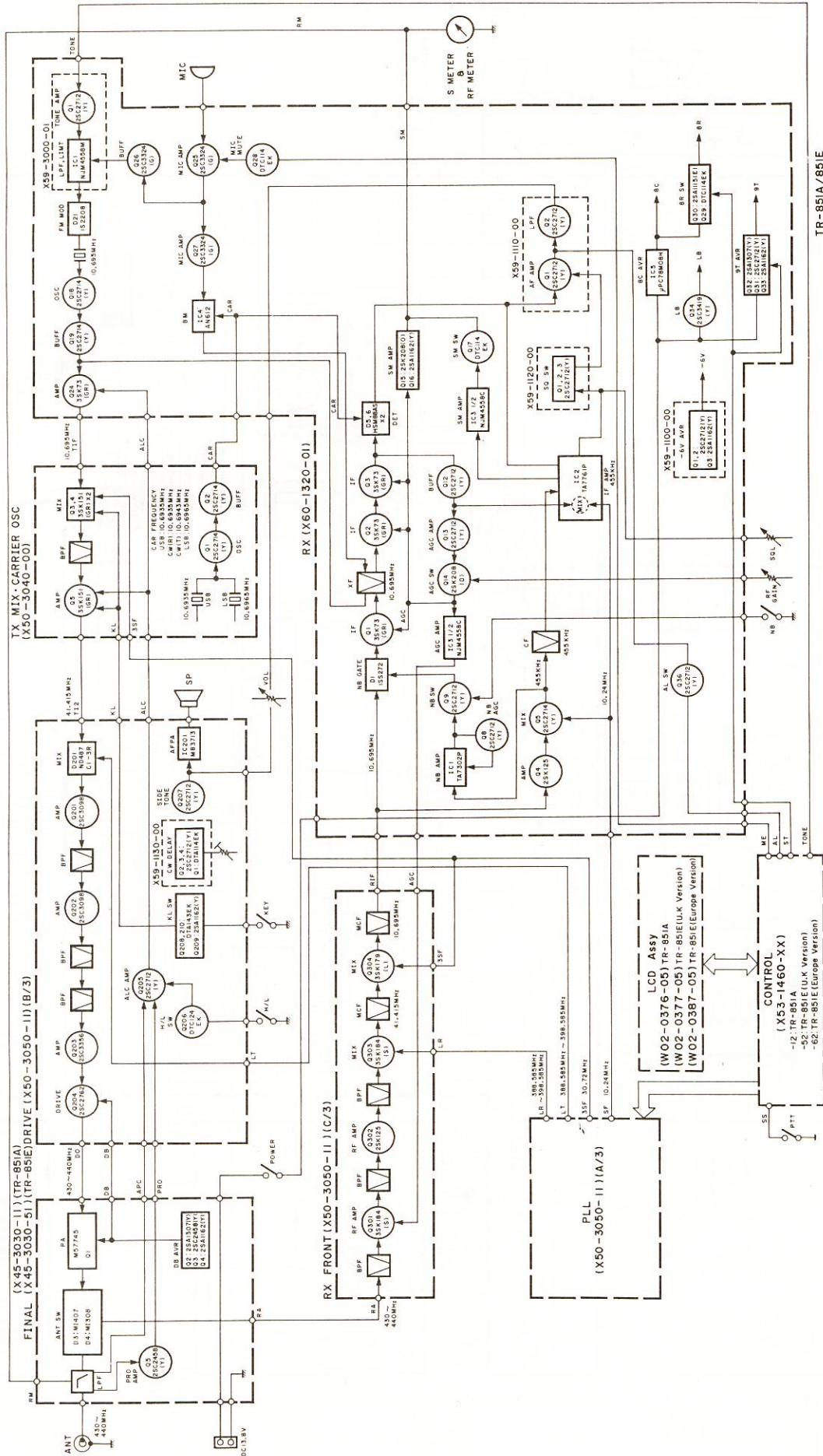


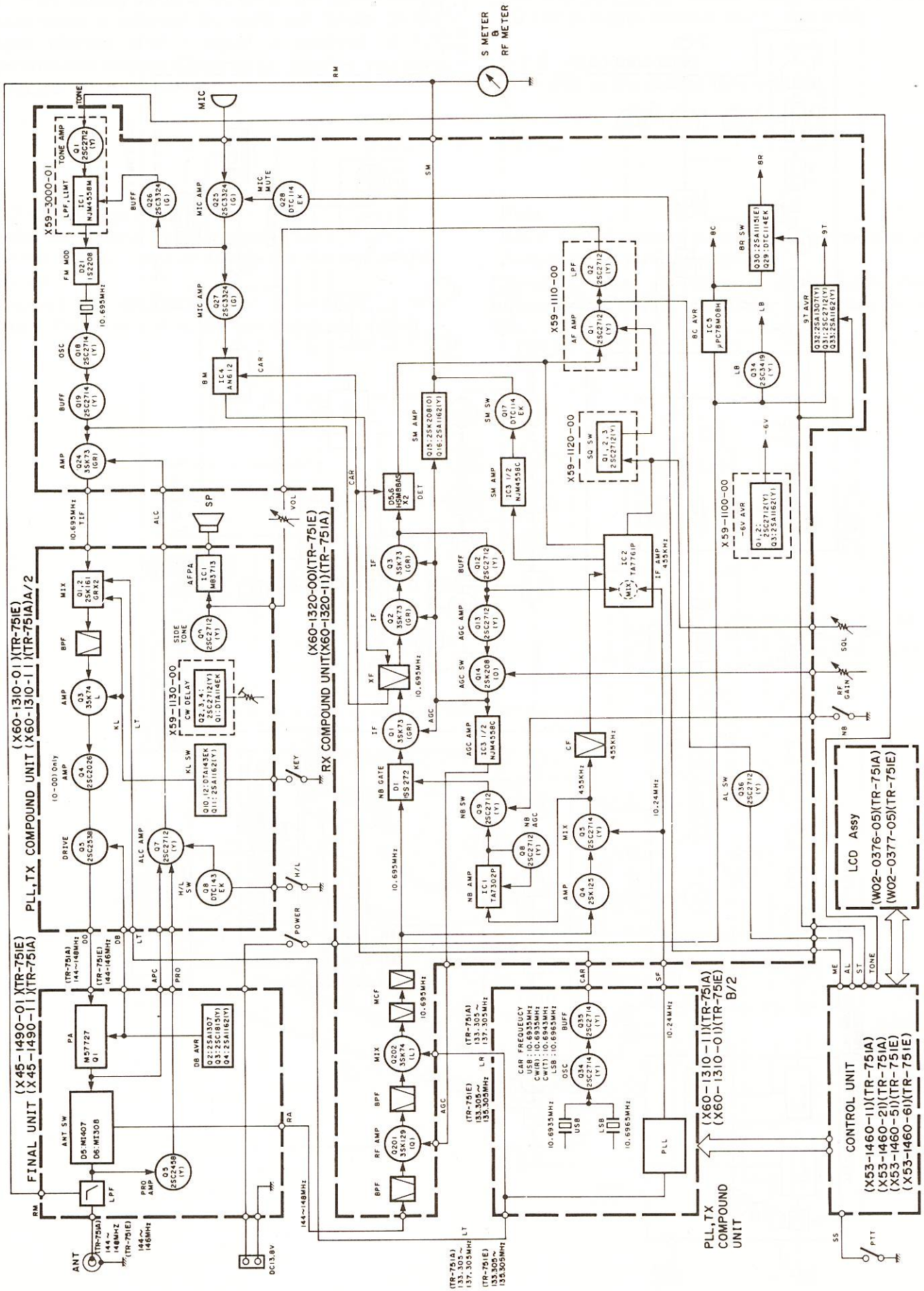
6. BLOCK DIAGRAM AND CIRCUIT DIAGRAM

6-1. BLOCK DIAGRAM

6-1-1. TR-851A/851E

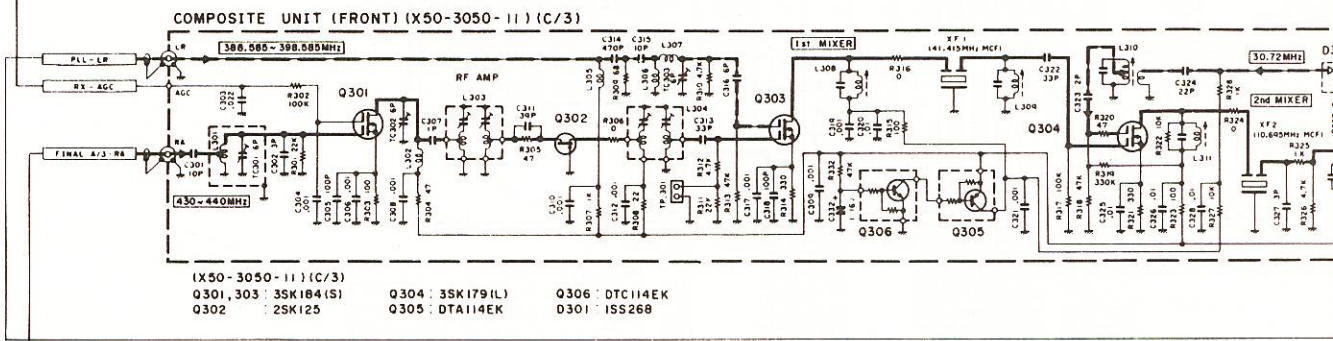
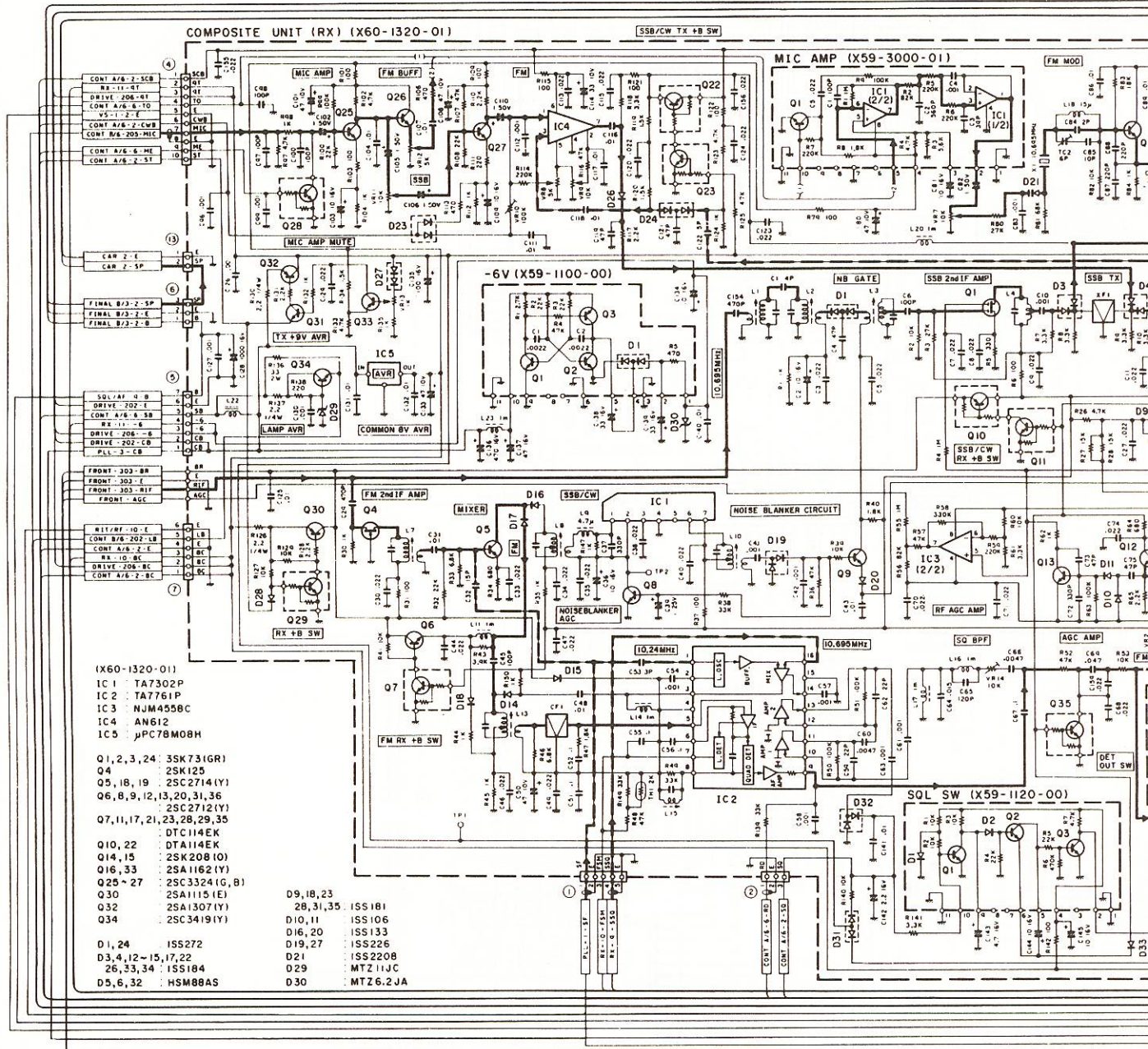


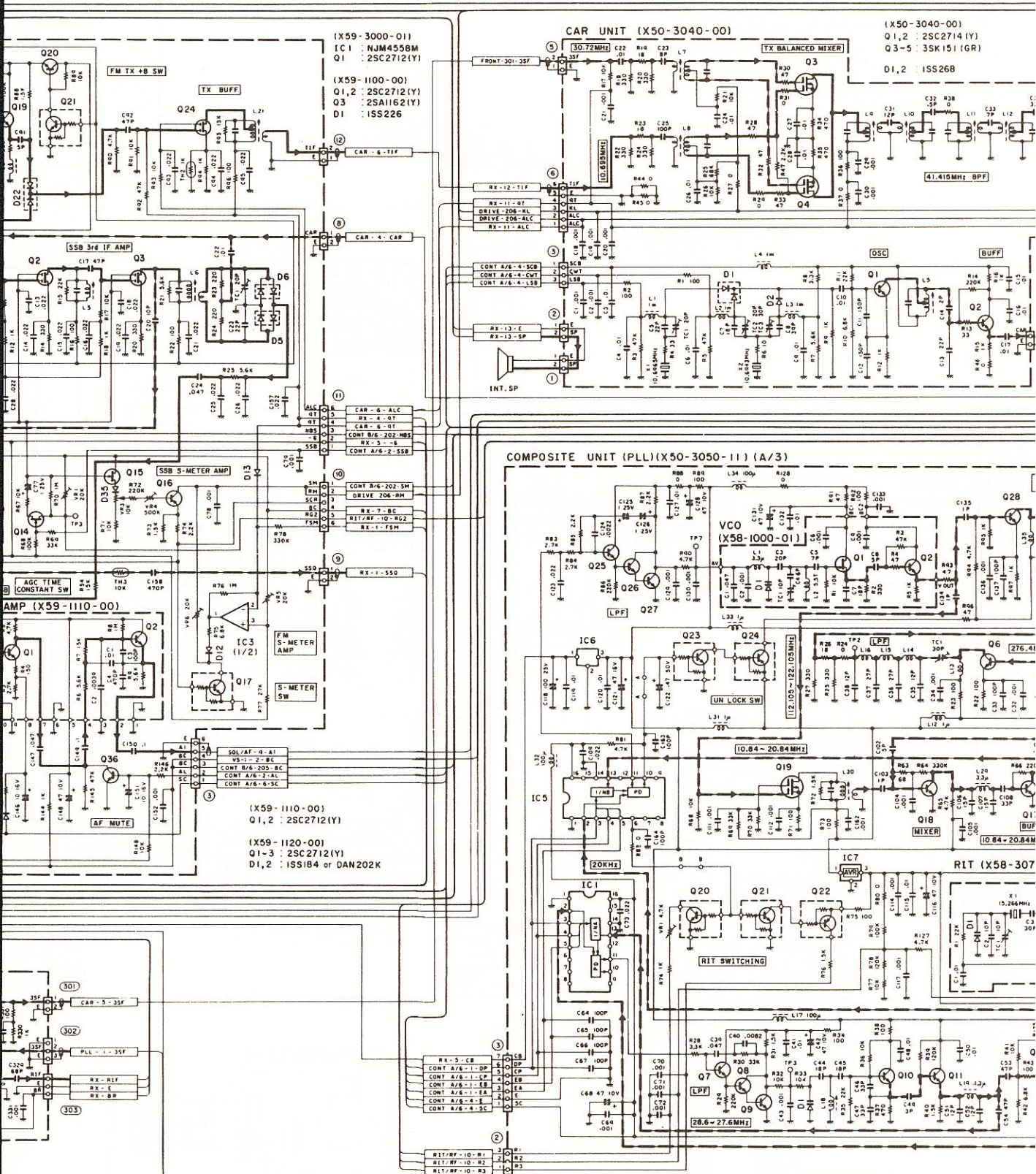
6-1-2. TR-751A/751E



6-2. CIRCUIT DIAGRAM

6-2-1. TR-851A/851E





(X59-3000-01)
 IC1 : NJM4558M
 Q1 : 2SC2712(Y)

(X59-1100-00)
 Q1,2 : 2SC2712(Y)
 Q3 : 2SA1162(Y)
 D1 : 1SS226

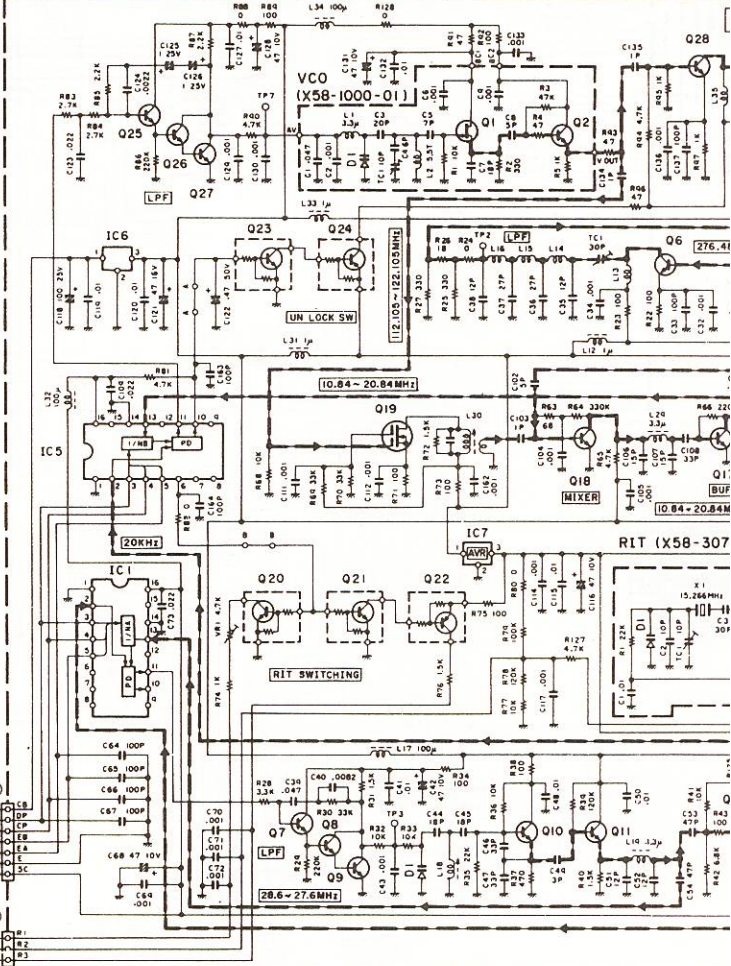
CAR UNIT (X50-3040-00)

(X50-3040-00)
 Q1,2 : 2SC2714(Y)
 Q3-5 : 3SK151(IGR)
 D1,2 : 1SS268

(X59-1110-00)
 Q1,2 : 2SC2712(Y)

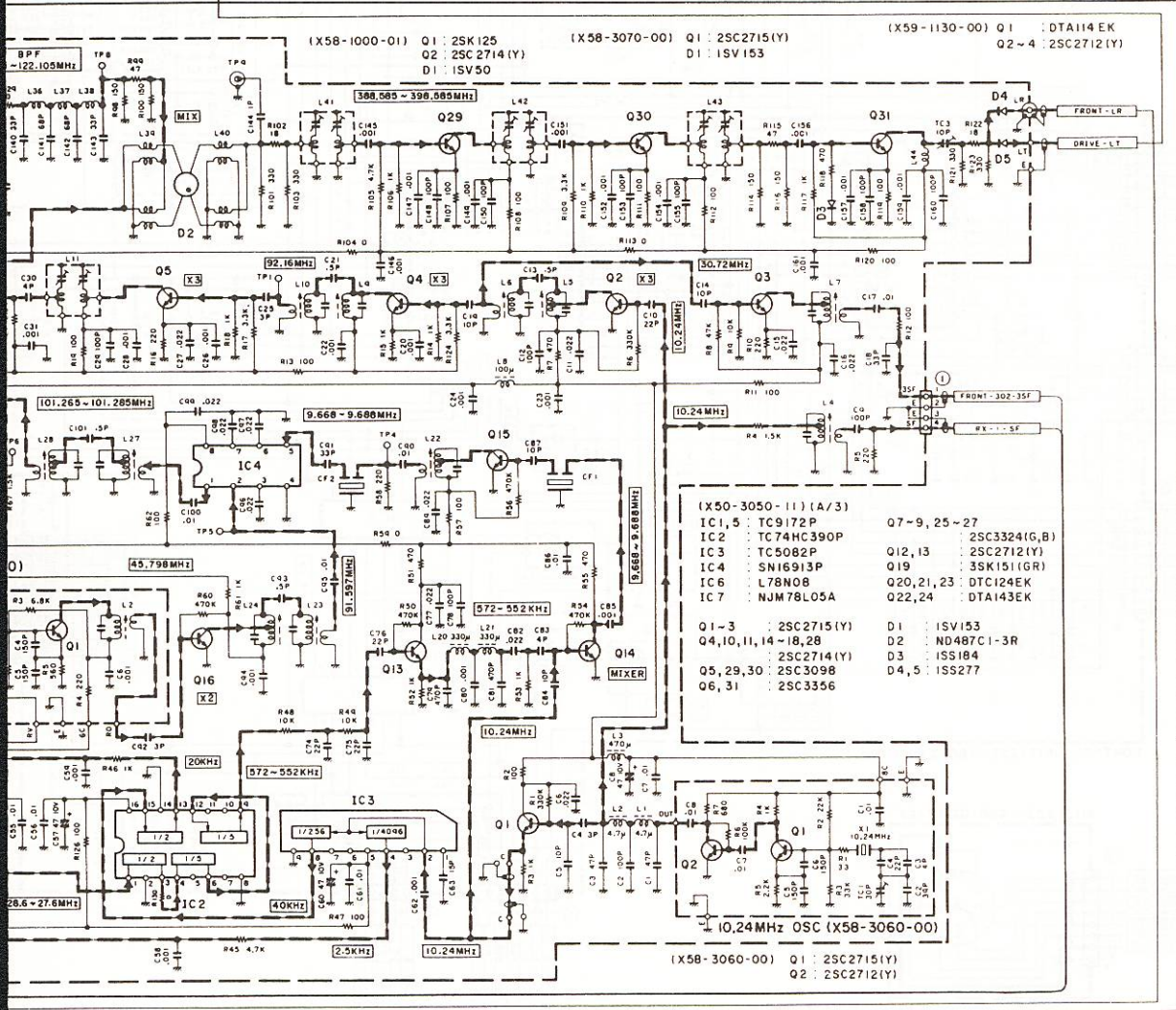
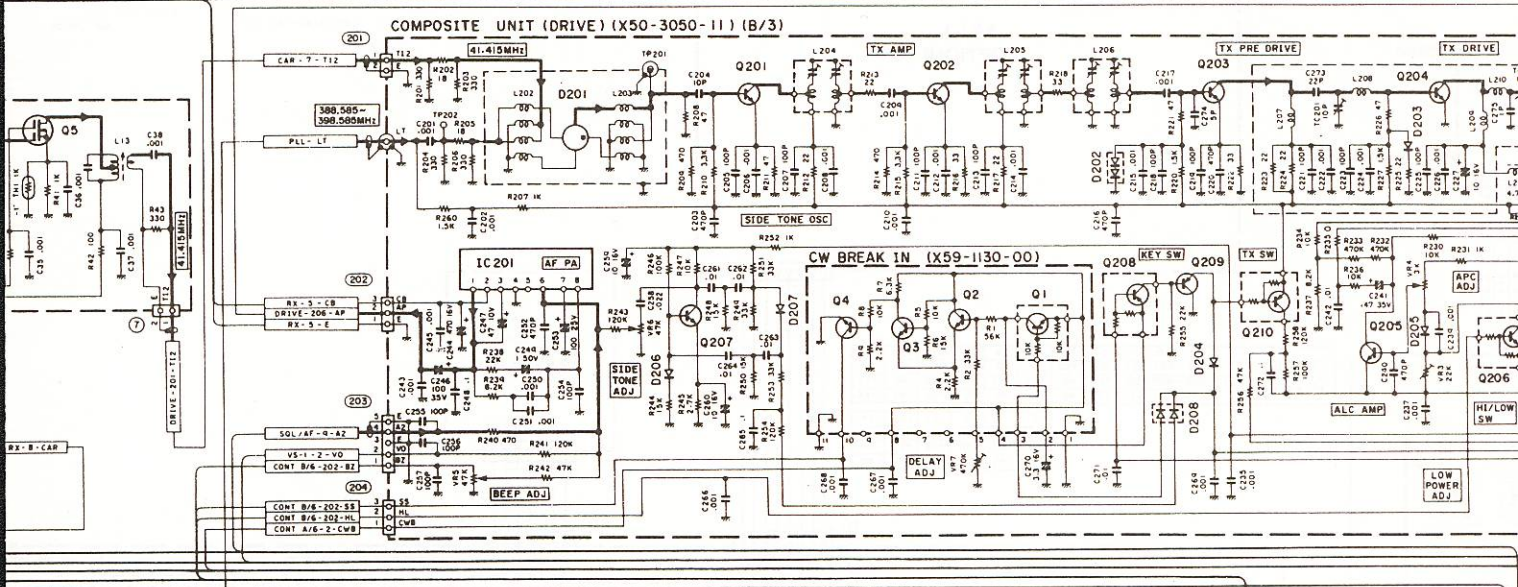
(X59-1120-00)
 Q1-3 : 2SC2712(Y)
 D1,2 : 1SS184 or DAN202K

COMPOSITE UNIT (PLL) (X50-3050-11) (A/3)

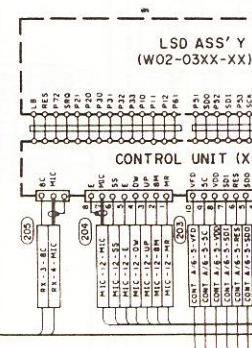
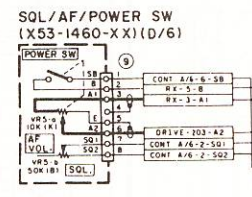
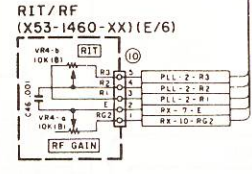


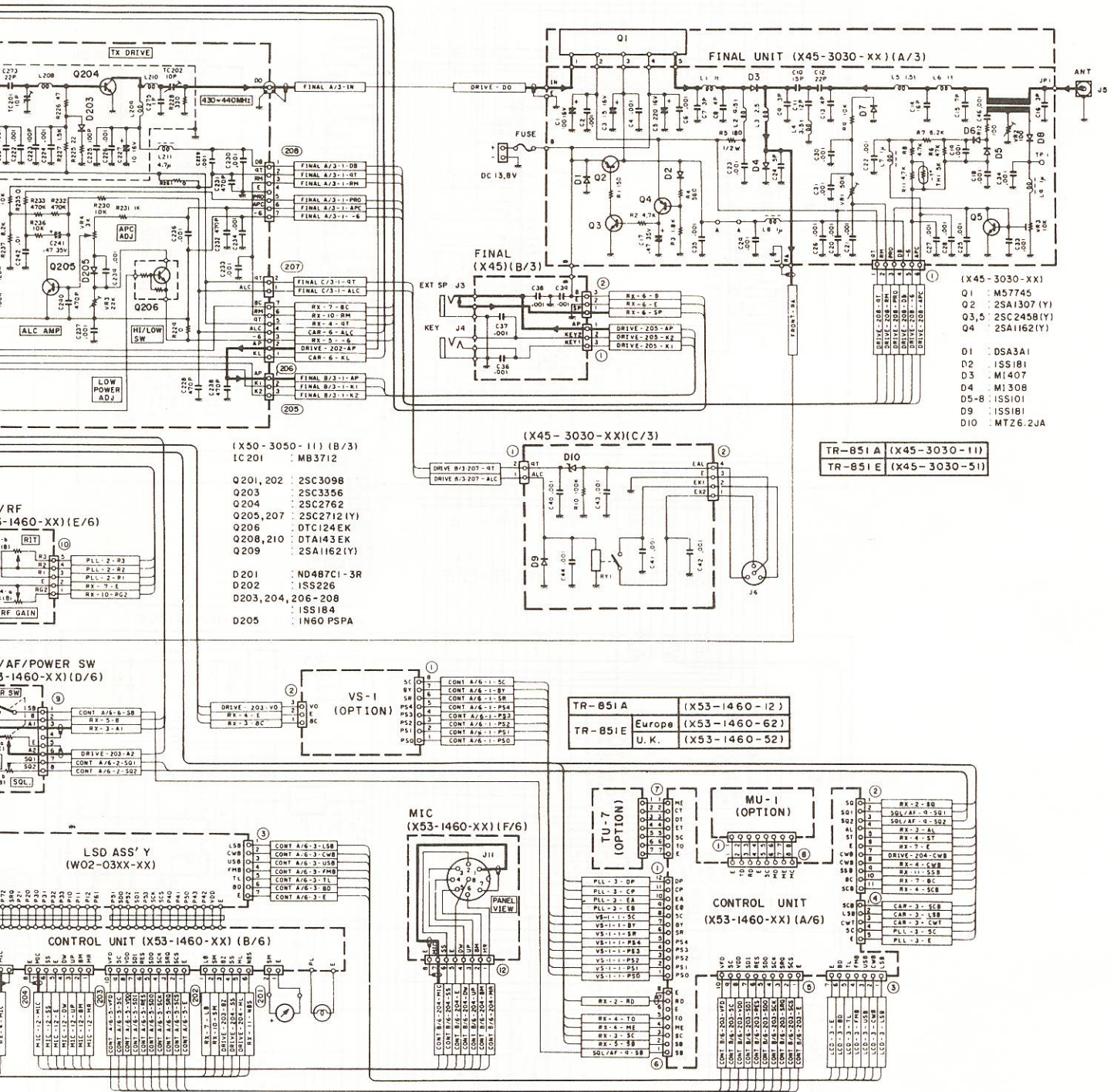
- ① RX-3-CB
- ② CONT A/6-1-DP
- ③ CONT A/6-1-CP
- ④ CONT A/6-1-EB
- ⑤ CONT A/6-1-EA
- ⑥ CONT A/6-4-E
- ⑦ CONT A/6-4-SC

- ① RIT/RF-10-R1
- ② RIT/RF-10-R2
- ③ RIT/RF-10-R3



- (X58-3070-00) Q1: 2SK125
Q2: 2SC2714(Y)
D1: ISV50
- (X59-1130-00) Q1: DTA114EK
Q2-4: 2SC2712(Y)
- (X50-3050-11) (A/3)
- | | | | |
|--------|------------|-------------|--------------|
| IC1, 5 | TC9172P | 07-9, 25-27 | 2SC3524(G,B) |
| IC2 | TC74HC390P | 02, 13 | 2SC2712(Y) |
| IC3 | TC5082P | 019 | 3SK151(GR) |
| IC4 | SN16913P | Q20, 21, 23 | DTC124EK |
| IC6 | L78N08 | Q22, 24 | DTA143EK |
| IC7 | NUM78L05A | | |
- Q1-3: 2SC2715(Y)
Q4, 10, 11, 14-18, 28
Q5, 29, 30: 2SC3098
Q6, 31: 2SC3356
- D1: ISV153
D2: ND487C1-3R
D3: ISS184
D4, 5: ISS277

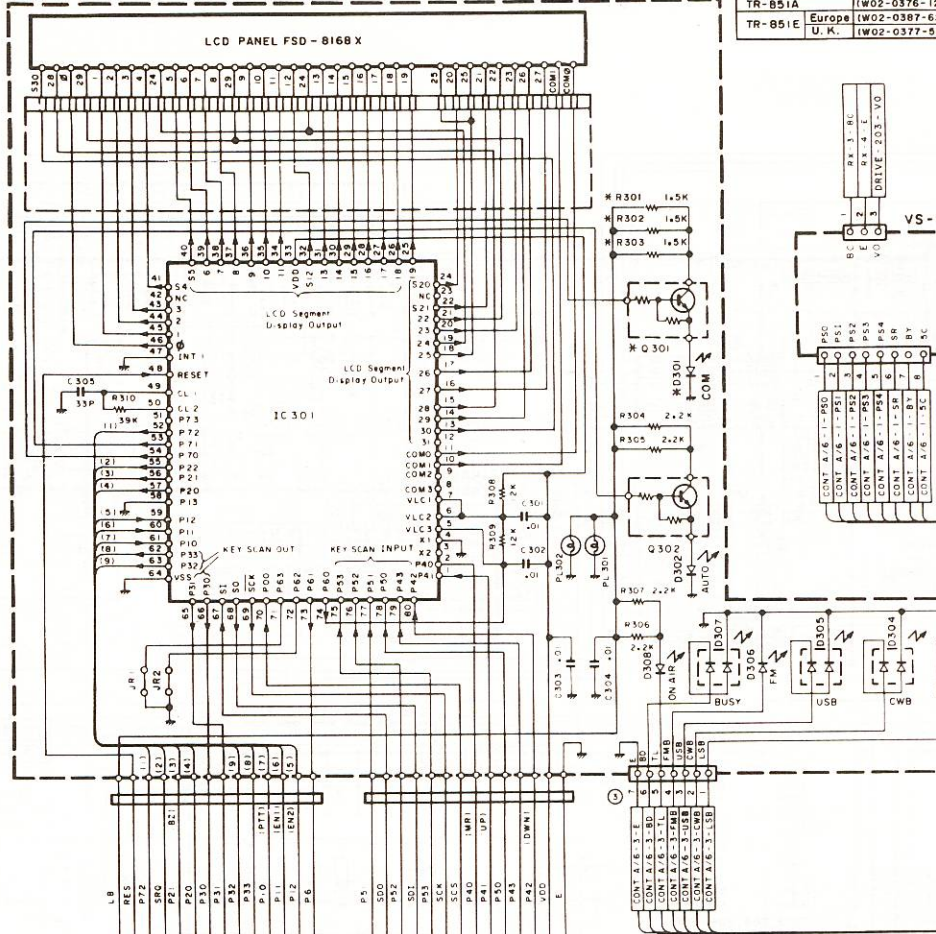




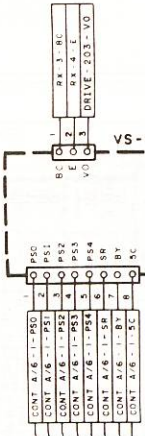
TR-851A/851E (1/2)

Note:
Circuit is subject to change without notice due to advancements in technology.

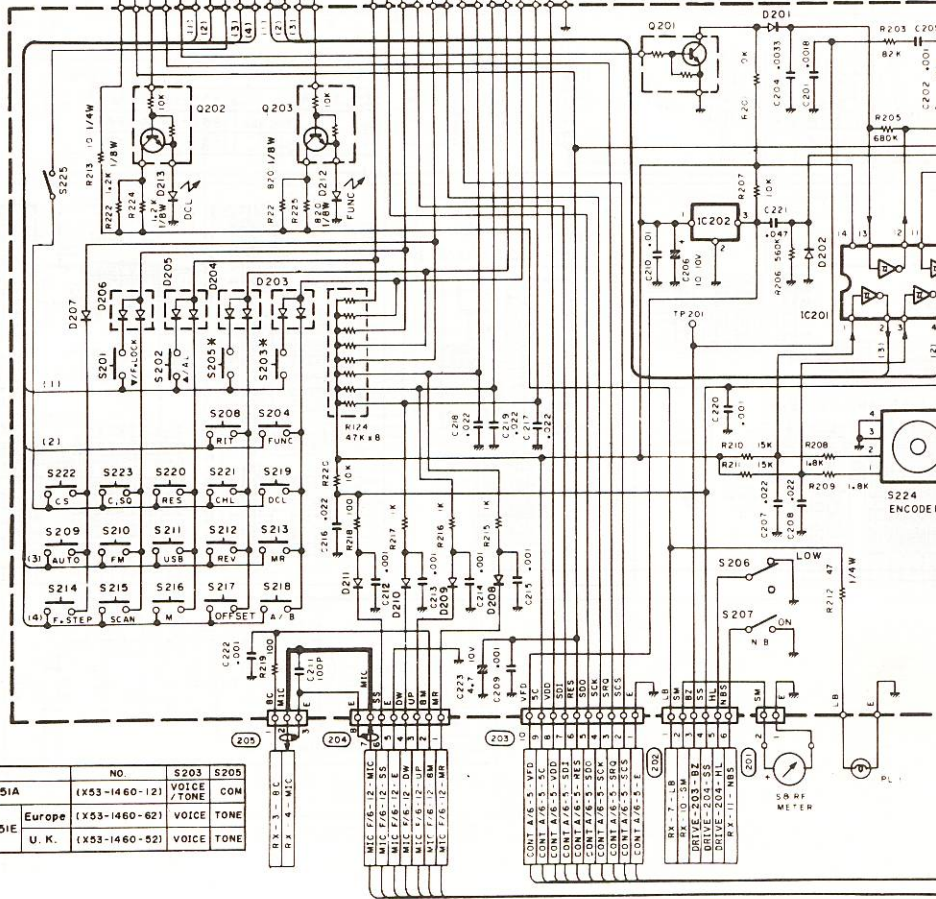
LCD ASS'Y (W02-03XX-XX)



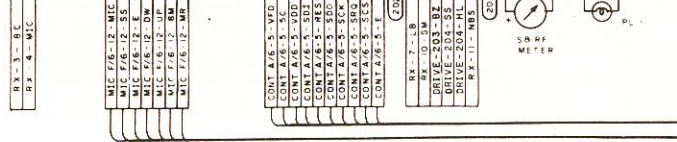
TR-851A	NO.	UW02-0376-12
TR-851E	Europe	UW02-0387-62
	U. K.	UW02-0377-52



CONTROL UNIT (X53-1460-XX) (B/6)

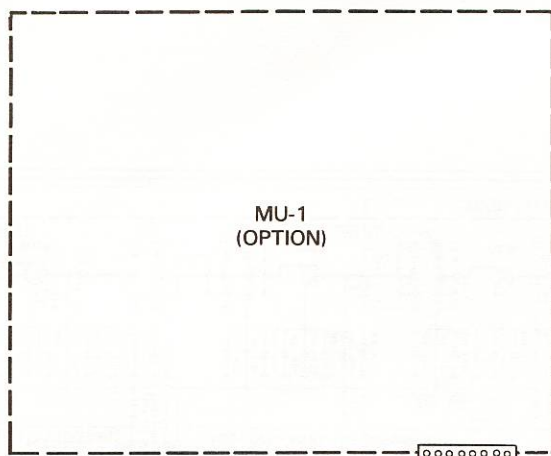


TR-851A	NO.	S203	S205
	(X53-1460-12)	VOICE	COM
TR-851E	Europe	(X53-1460-62)	VOICE TONE
	U. K.	(X53-1460-52)	VOICE TONE



Q301	Q301	R301-303	LCD ASS'Y
YES	YES	YES	B160B
NO	NO	NO	B160C
NO	NO	NO	B160D

LCD SHIFT PRINT	
-	+
D-A, D-B	
-	+

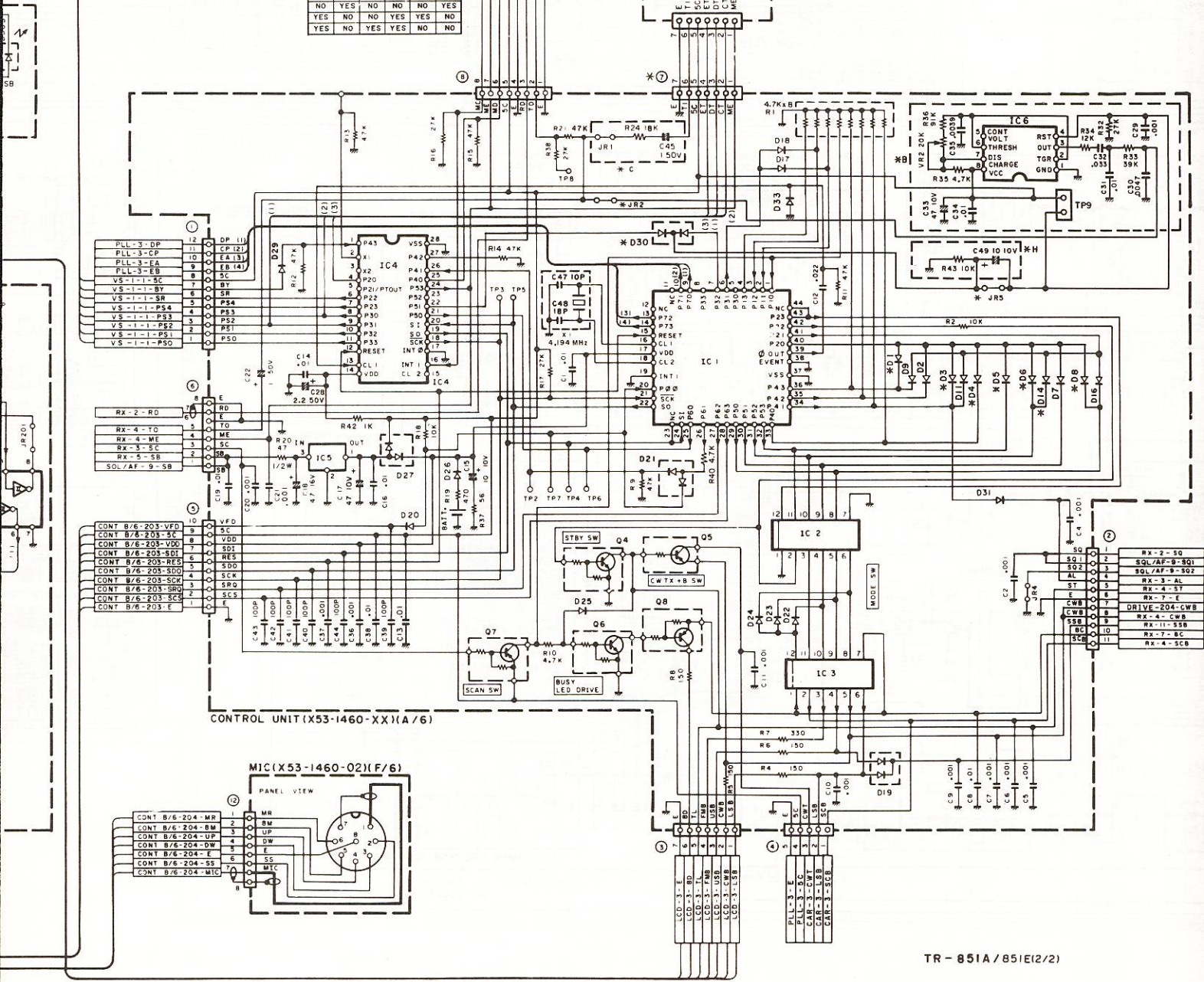
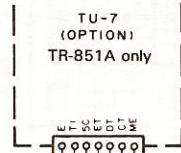


- Q4,6,201~203,301,302
 Q5 : DTC114EK
 Q7,8 : DTA114TK
 : DTA114EK
- IC1 : μ P0750BHG-564-22
 IC2 : DT5C124E
 IC3 : DT5A143E
 IC4 : μ P075075CT-226
 IC5 : NJM2930L-06
 IC6 : NE555P
- IC201 : BU45B4B
 IC202 : P57523C
 IC301 : μ P07514G-143-12
- D1~9,11,14,16~18,22~24,207~211
 : 1S5133
 D19,20,25,26,30,31,33
 : 1S5184 or DAN202K
 D21,27,201~206
 : 1S5181 or DAP202K
 D29 : 1S5106
 D212 : LN322GP
 D213 : LN422VP
 D301,306 : MP-2A4001
 D302,308 : MP-1B8001
 D301~307,307
 : MP-2B6001

PTION)

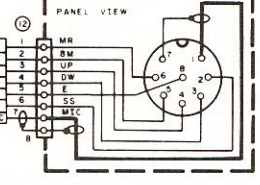
TR-851A	NO.	D1	D3	D4	D5	D6	D8	D14	D30
Europe	(X53-1460-62)	YES	NO	YES	NO	NO	NO	NO	YES
U. K.	(X53-1460-52)	YES	NO	NO	NO	NO	YES	YES	NO

B	C	H	JR2	JR5	J7
NO	YES	NO	NO	NO	YES
YES	NO	NO	YES	YES	NO
YES	NO	YES	YES	NO	NO



CONTROL UNIT (X53-1460-XX)(A/F/6)

MIC (X53-1460-02)(F/6)

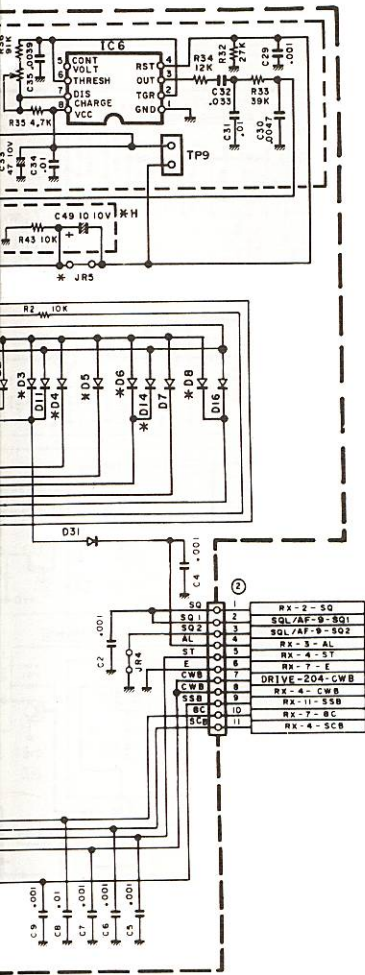


TR-851A/851E(2/2)

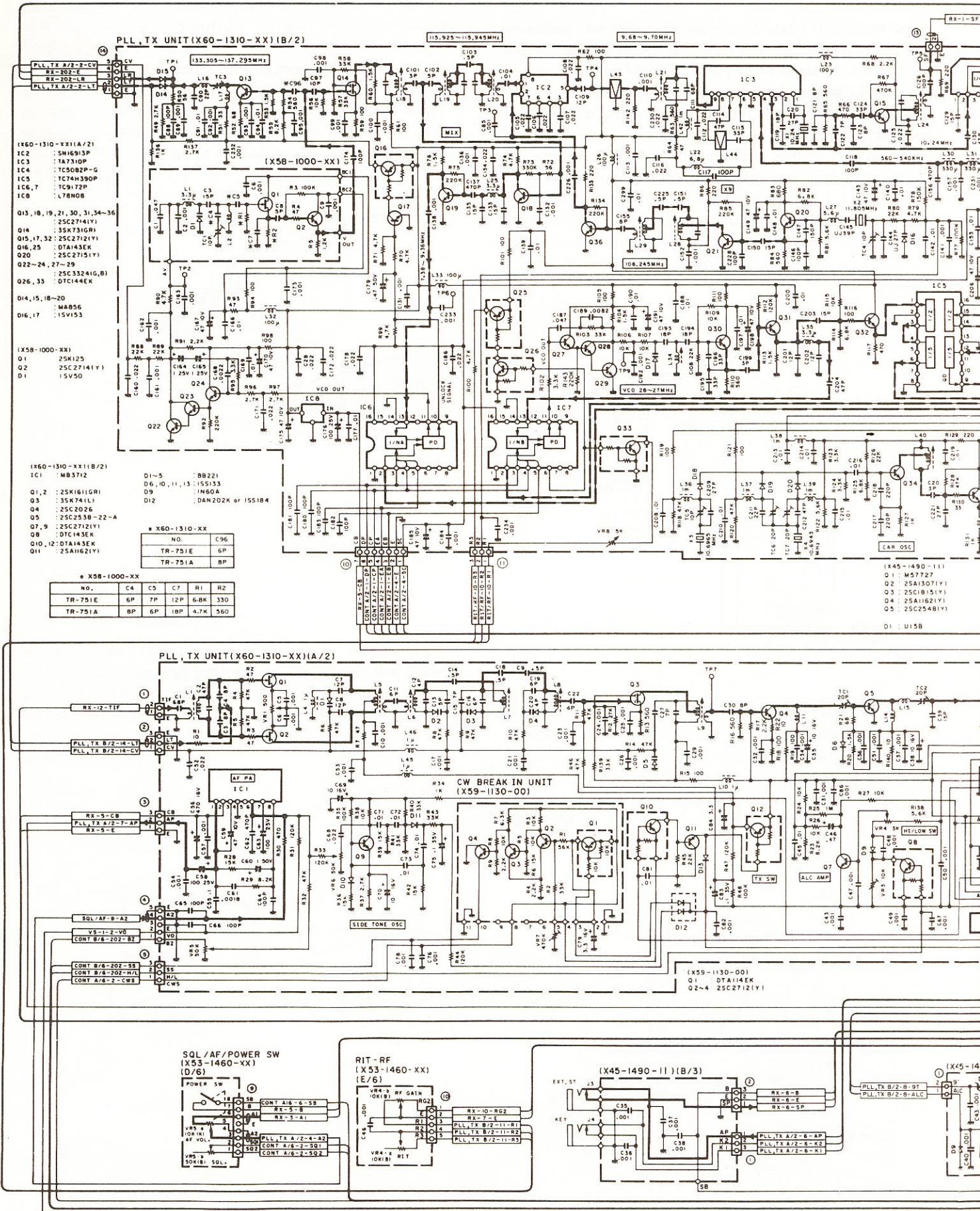
Note:
 Circuit is subject to change without notice due to advancements in technology.

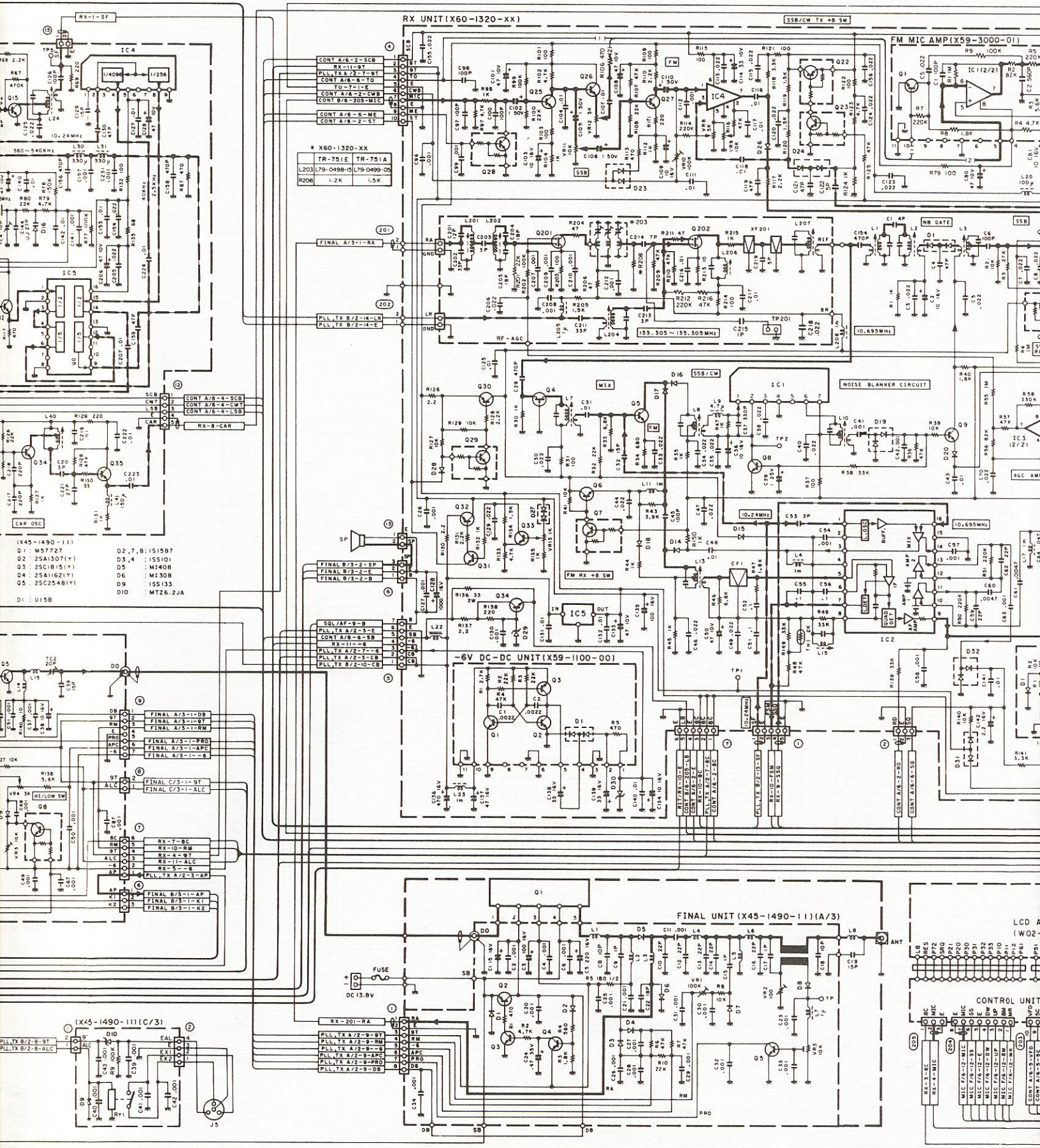
22

- D1~9,11,14,16~18,22~24,207~211
ISS133
- D19,20,25,26,30,31,33
ISS184 or DAN202K
- D21,27,201~206
ISS181 or DAP202K
- D29
ISS106
- D27
LN322GP
- D213
LN422+P
- D301,306
MP-24A001
- D302,308
MP-1BR001
- D303,305,307
MP-2BG001

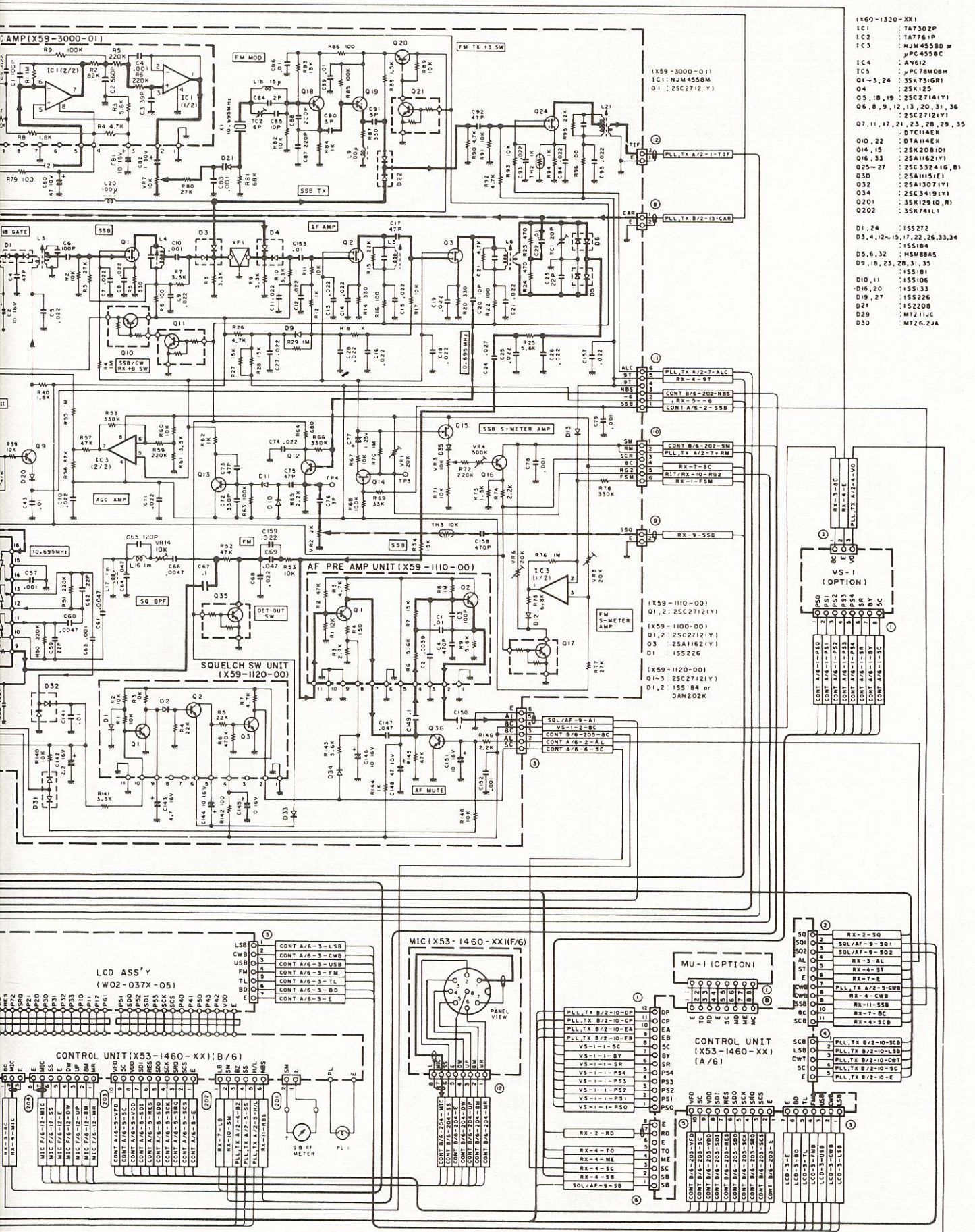


6-2-2. TR-751A/751E





Note:
Circuit is subje



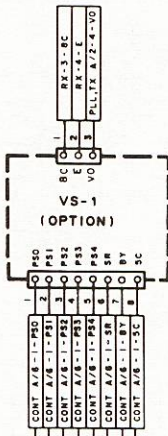
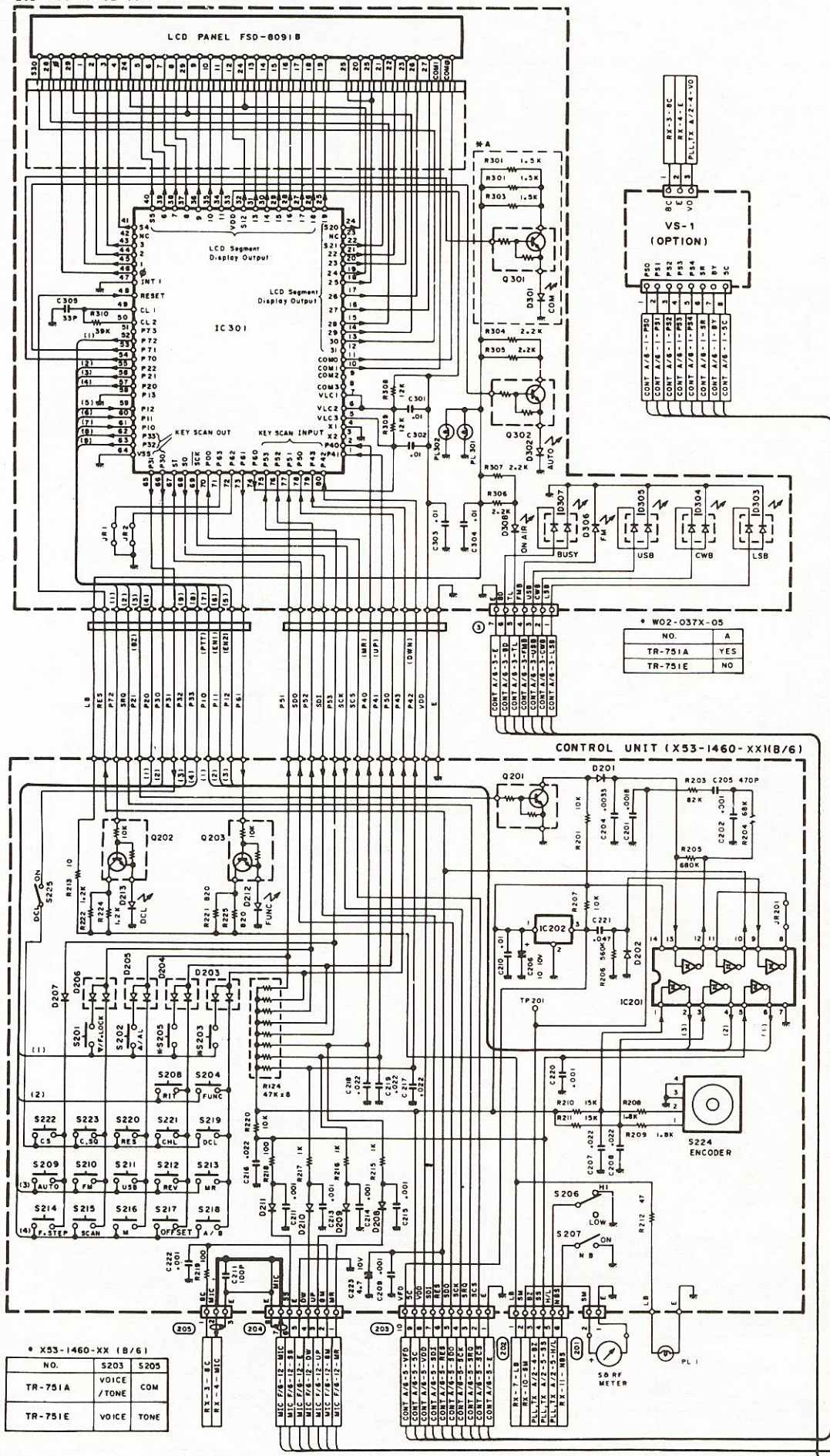
- (X60-1320-XX)
- IC1 : TA7302P
- IC2 : TA7761P
- IC3 : NJM45580 w
- IC4 : AV612
- IC5 : PC78M08H
- Q1-3,24 : 2SK731GR1
- Q4 : 2SK125
- Q5,8,19 : 2SC2714(Y)
- Q6,9,12,13,20,31,36 : 2SC2712(Y)
- Q7,11,17,21,23,28,29,35 : DTCH4EX
- Q10,22 : DTCH4EX
- Q14,15 : 2SK2081(D)
- Q16,33 : 2SA1162(Y)
- Q25-27 : 2SC3324(G,B)
- Q30 : 2SA1115(E)
- Q32 : 2SA1307(Y)
- Q34 : 2SC3419(Y)
- Q201 : 2SK1281(D,R)
- Q202 : 2SK741(L)
- D1,24 : 1S5272
- D3,4,12-15,17,22,26,33,34 : 1S5184
- D5,6,32 : M5M8B45
- D9,18,23,28,31,35 : 1S5181
- D10,11 : 1S5106
- D16,20 : 1S5133
- D19,27 : 1S5226
- D21 : 1S2208
- D29 : MTZ111C
- D30 : MTZ2.2A

- CONT B/A-1-PS0
- CONT A/6-1-PS1
- CONT A/6-1-PS2
- CONT A/6-1-PS3
- CONT A/6-1-PS4
- CONT A/6-1-BY
- CONT A/6-1-SC
- CONT A/6-1-SC

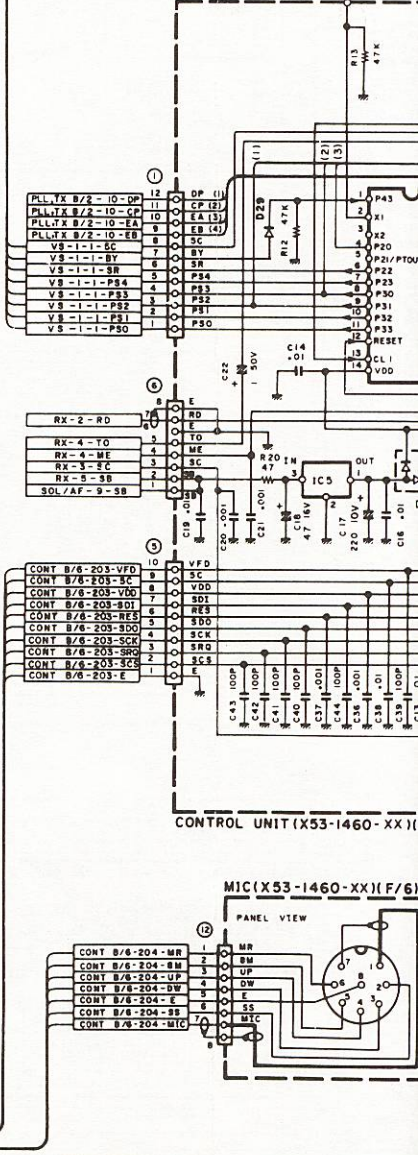
- RX-2-RD
- RX-4-TO
- RX-4-ME
- RX-4-SC
- RX-4-SB
- SOL/AF-9-SB
- CONT B/A-204-V2D
- CONT B/A-205-V2D
- CONT B/A-205-S01
- CONT B/A-205-S02
- CONT B/A-205-RES
- CONT B/A-205-S03
- CONT B/A-205-S04
- CONT B/A-205-S05
- CONT B/A-205-S06
- CONT B/A-205-S07
- CONT B/A-205-S08
- CONT B/A-205-S09
- CONT B/A-205-S10
- CONT B/A-205-S11
- CONT B/A-205-S12
- CONT B/A-205-S13
- CONT B/A-205-S14
- CONT B/A-205-S15
- CONT B/A-205-S16
- CONT B/A-205-S17
- CONT B/A-205-S18
- CONT B/A-205-S19
- CONT B/A-205-S20
- CONT B/A-205-S21
- CONT B/A-205-S22
- CONT B/A-205-S23
- CONT B/A-205-S24
- CONT B/A-205-S25
- CONT B/A-205-S26
- CONT B/A-205-S27
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- CONT B/A-205-S29
- CONT B/A-205-S30
- CONT B/A-205-S31
- CONT B/A-205-S32
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- CONT B/A-205-S35
- CONT B/A-205-S36
- CONT B/A-205-S37
- CONT B/A-205-S38
- CONT B/A-205-S39
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- CONT B/A-205-S42
- CONT B/A-205-S43
- CONT B/A-205-S44
- CONT B/A-205-S45
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- CONT B/A-205-S96
- CONT B/A-205-S97
- CONT B/A-205-S98
- CONT B/A-205-S99
- CONT B/A-205-S100

Note: Circuit is subject to change without notice due to advancements in technology.

TR-751A
TR-751E



NO.	A
TR-751A	YES
TR-751E	NO



* X53-1460-XX (B/6)

NO.	S203	S205
TR-751A	VOICE /TONE	COM
TR-751E	VOICE	TONE