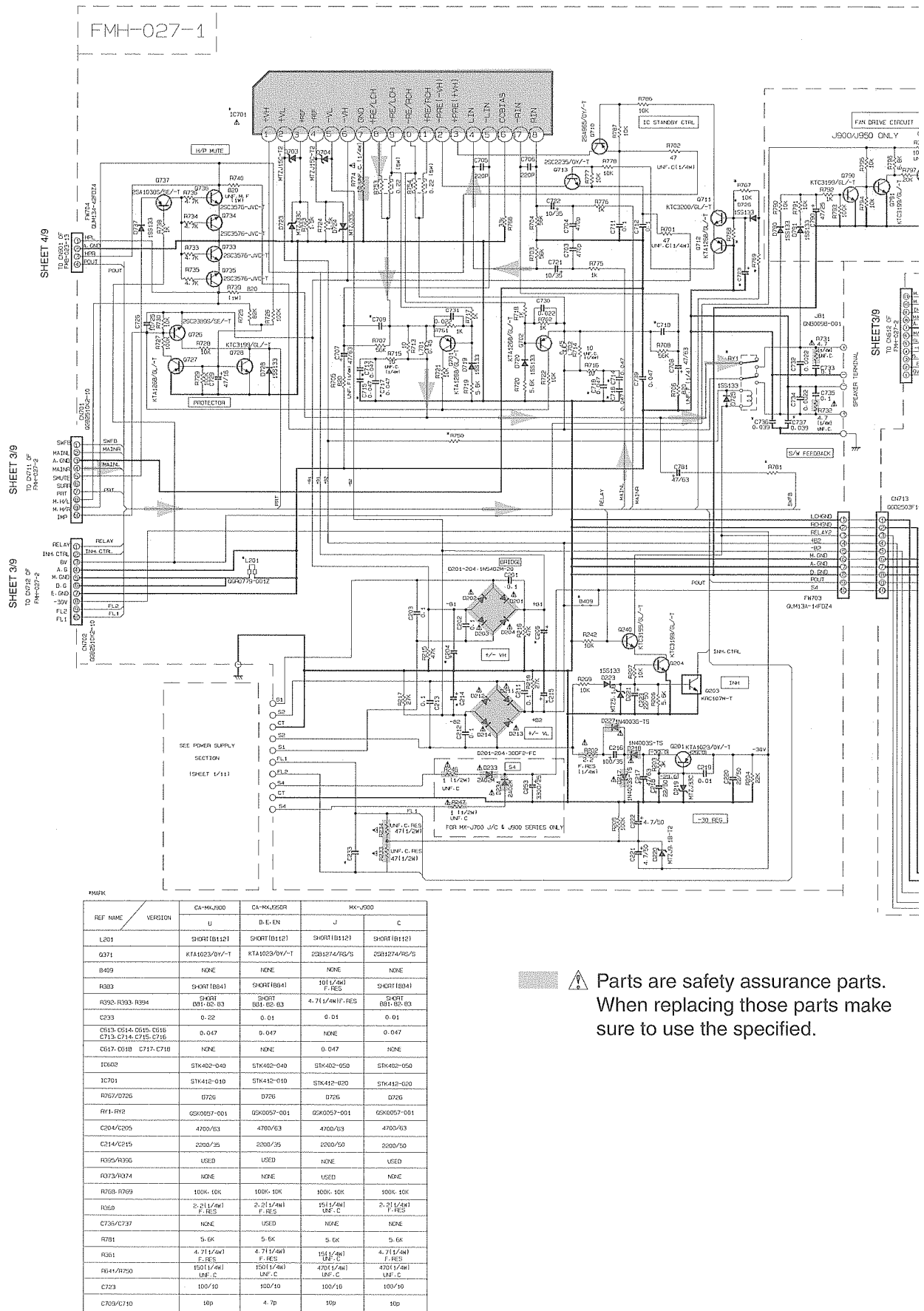
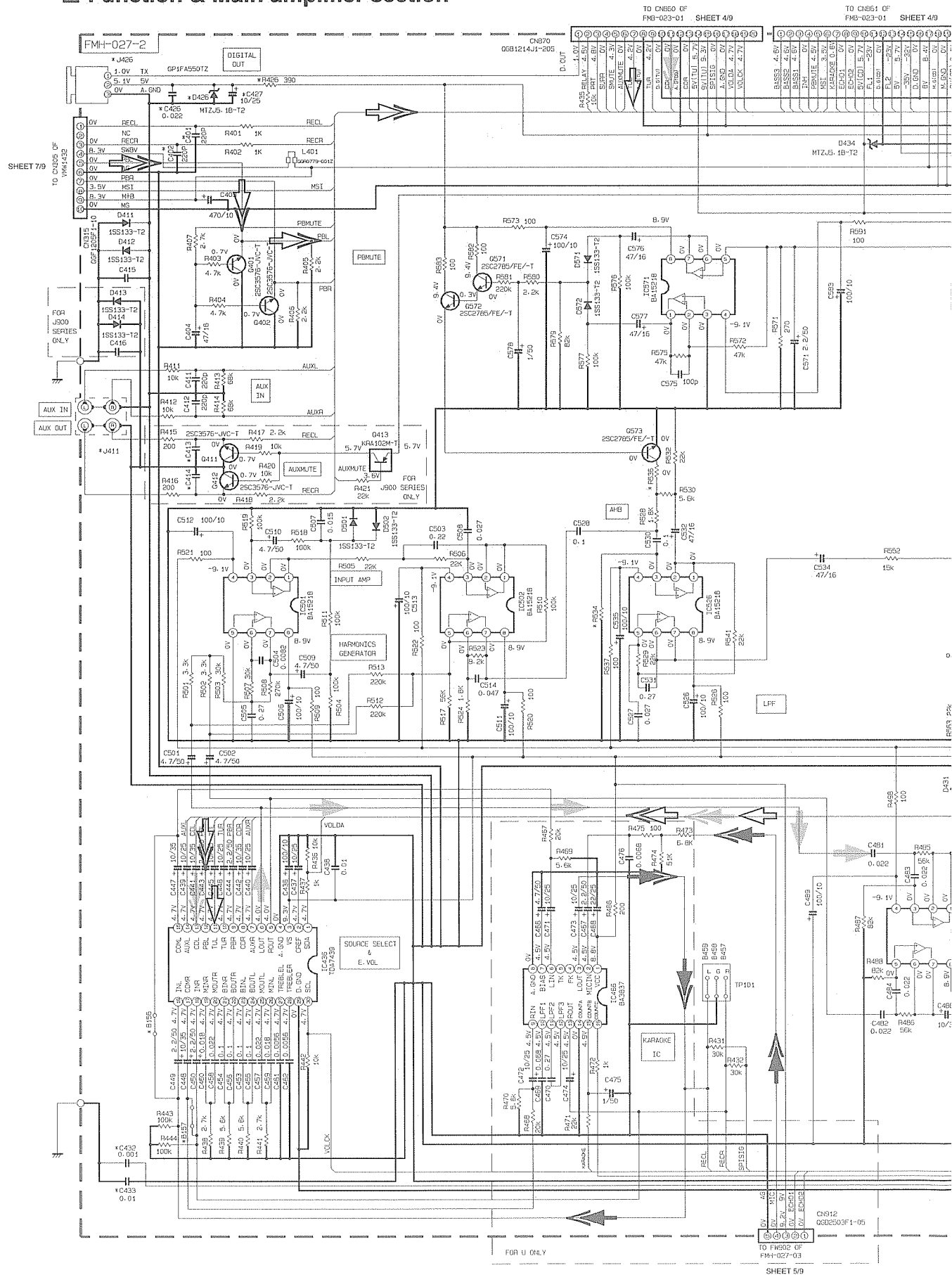







Power amplifier & regulator section



■ Function & Main amplifier section



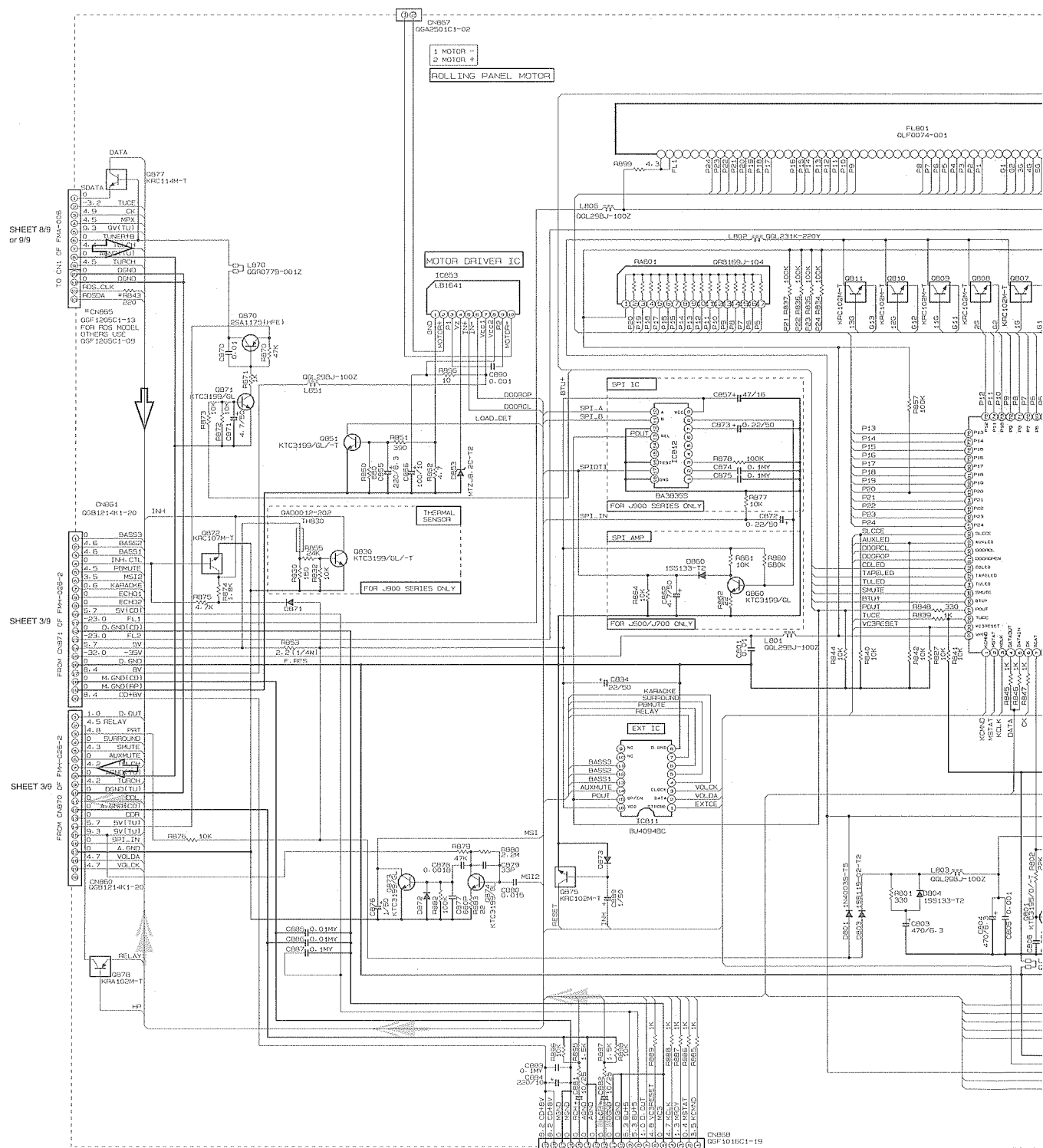


-  CD signal
-  TAPE P.B. signal
-  TUNER signal
-  MAIN signal
-  MIC signal

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- AUX MODE, VOL MIN, SUBSCOOPER VOL 1.
2. UNLESS OTHERWISE SPECIFIED
RESISTORS ARE 1/4W ±5% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM (Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN PICO(FP).
ALL INDUCTANCE VALUES ARE IN MILLI(HM).
E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (nF)/RATED VOLTAGE (V).
ALL DIODES ARE 1N5133

■ FL Display & system controller section

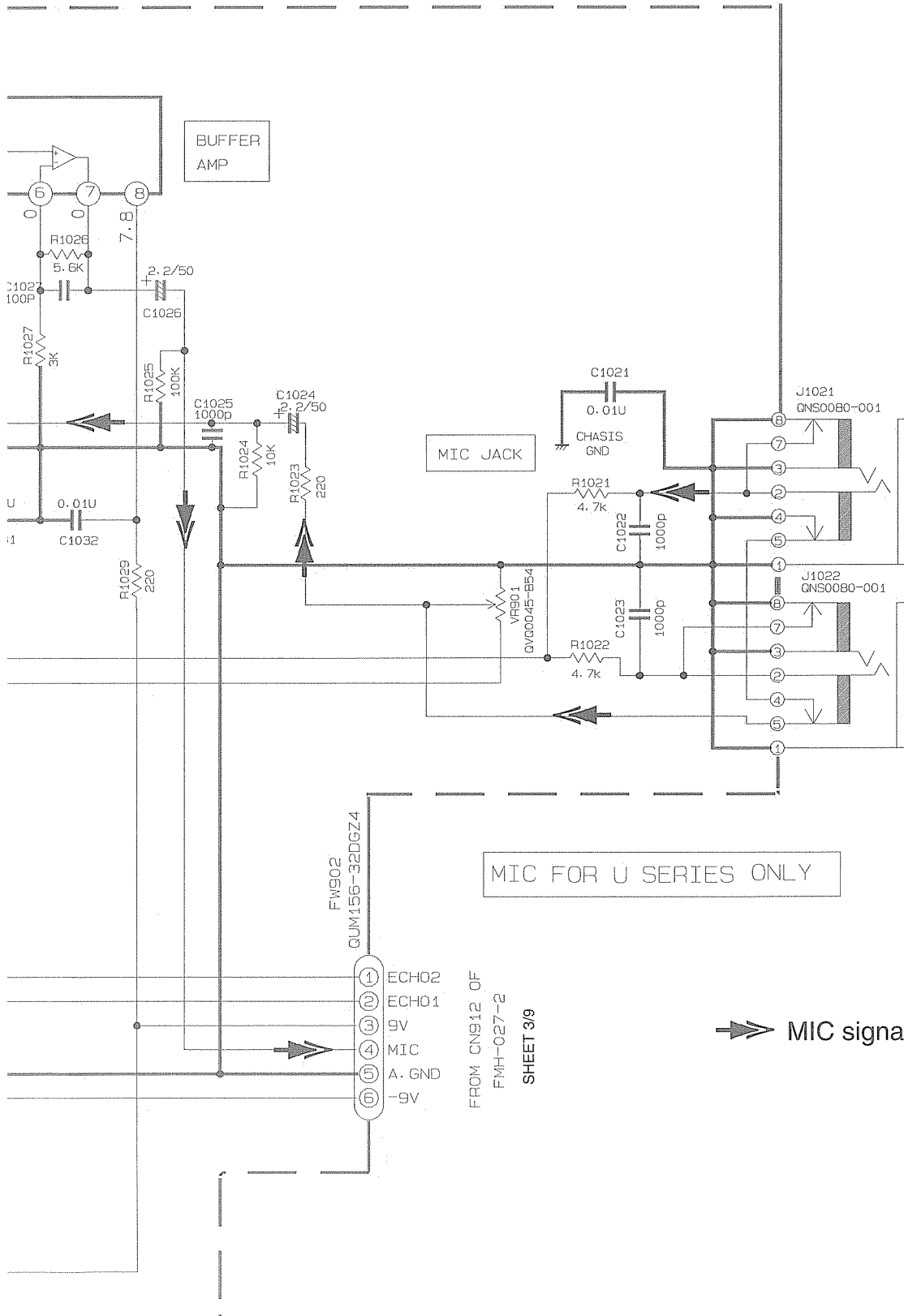


	CA-MX500 U	MX-U500 C-J	CA-MX500R S-E-EN
R904	18K	18K	18K
R991	75K	75K	330K
R993	75K	75K	75K
R994	330K	75K	330K
D902-D902-D951-D991	SLA-S76J13F	SLA-S76J13F	SLA-S76J13F
D952-D994-D9503-D993	SLA-S76J13F	SLA-S76J13F	SLA-S76J13F
D990-D997-D999-D999	75	75	75
D990-D991	KPC-T	KPC-T	KPC-T
D941-S942-S943-S944	NONE	NONE	02940303-D912
L1001-L1002	SDRT	SDRT	04L231K-D912
C1001-C1002	NONE	NONE	3600P
L1003	Q2L231K-D92Y	Q2L231K-D92Y	Q297073P-D912
R902S-R903S	USE	USE	USE
R904	USE	USE	USE
X001	0AX00303-001Z	0AX00303-001Z	0AX00303-001Z

TO CMSG1 OF EMW10729
ICD CHANGER
SHEET 6/9

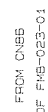
1





D





SHEET 4/9

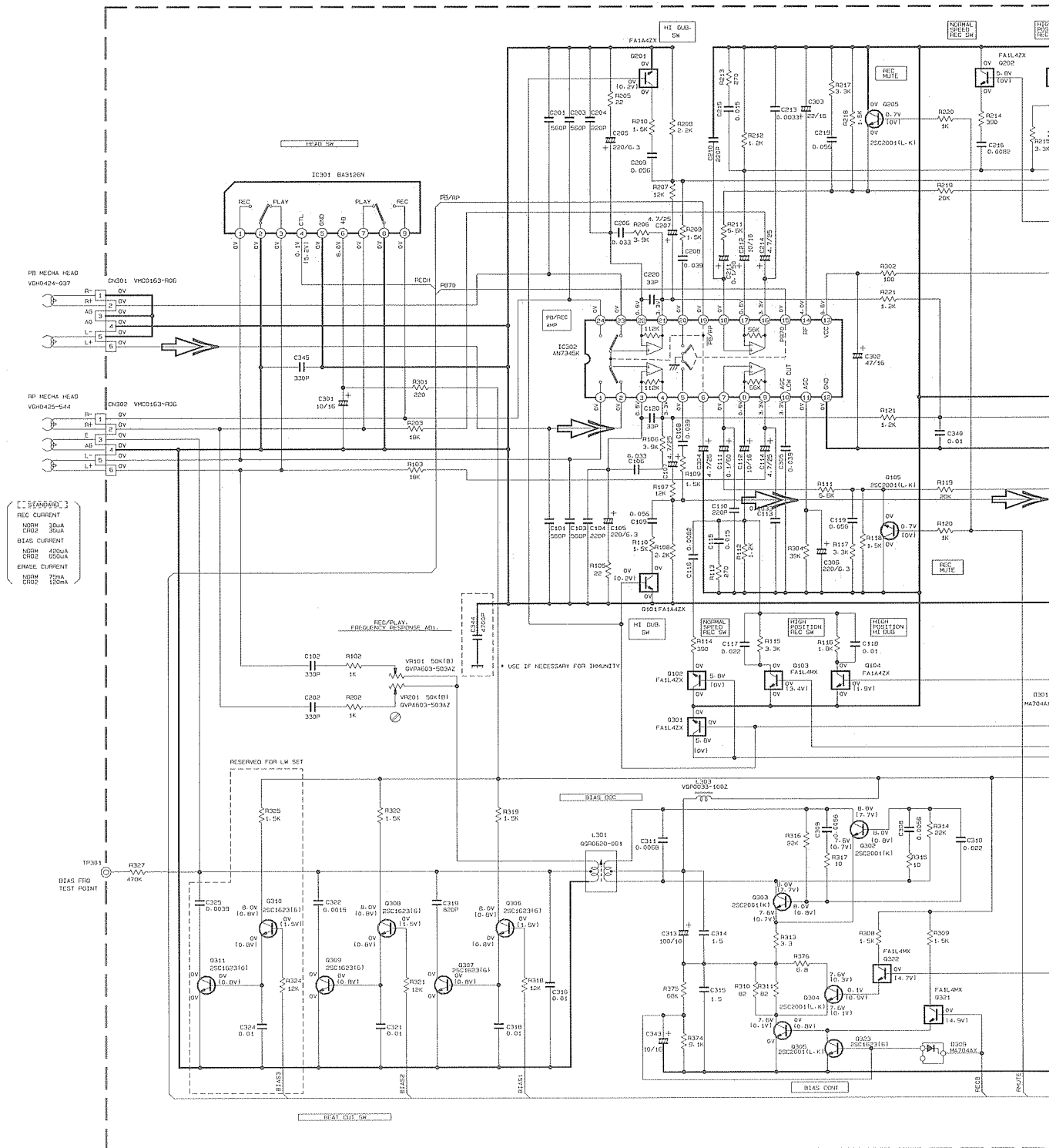
→ CD signal

CD CONTROL & SERVO CIRCUIT

SHEET 6/9

EMW10729

Head amplifier & Mechanism control section



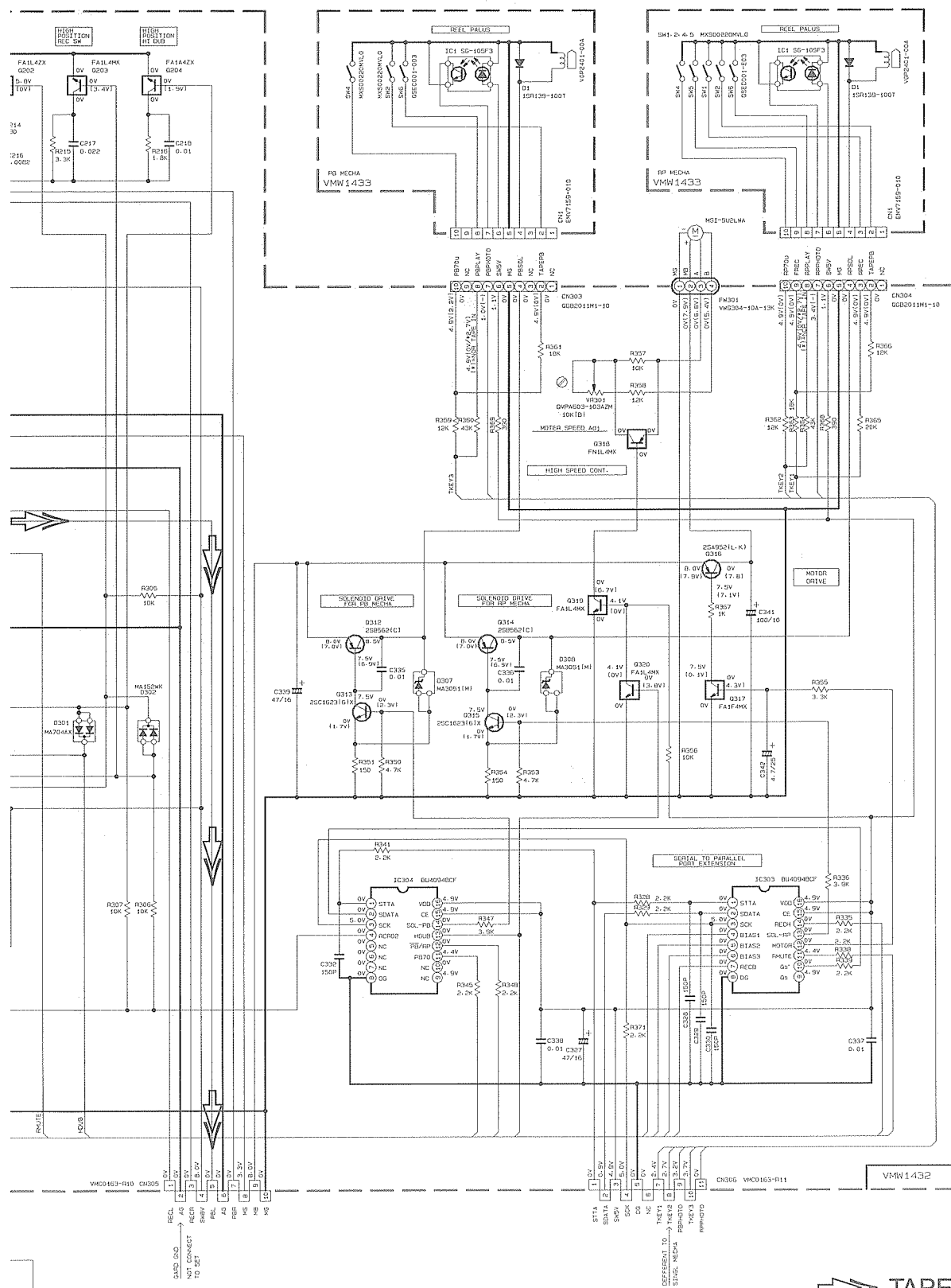
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. () IS INVERT MODE
2. UNLESS OTHERWISE SPECIFIED
ALL RESISTANCE VALUES ARE IN Ω (Ω),
ALL CAPACITORS ARE CERAMIC CAPACITOR
ALL CAPACITANCE VALUES ARE IN μ F(P=PPF).
ALL INDUCTANCE VALUES ARE IN μ H(M=MH).
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μ F)/RATED VOLTAGE (V).
PP = POLYPROPYLENE CAPACITOR

TABLE 1: DIGITAL TR LIST

PART-NO	CONSTRUCTION	REF. NO		
FA14M		Q316	FA14M	Q317
FA14Z		Q101/Q201	FA14M	Q103/Q203
FA14Z		Q104/Q204		Q319
		Q102/Q202		Q320/Q331/Q332
		Q301		

CASSETTE MECHA CONTROL CIRCUIT [SLC]



⇒ TAPE P.B. signal

FROM PRE-AMP CIRCUIT

FROM MICON CIRCUIT

FROM CN315 OF FMH-027-2

FROM CN869 OF FMB~023~01

SHEET 3/9

SHEET 4/9

SHEET 7/9

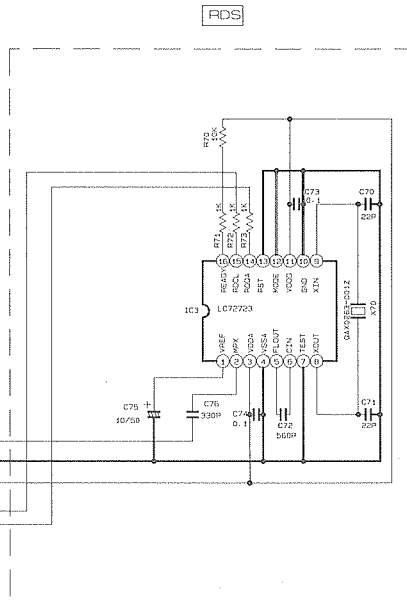
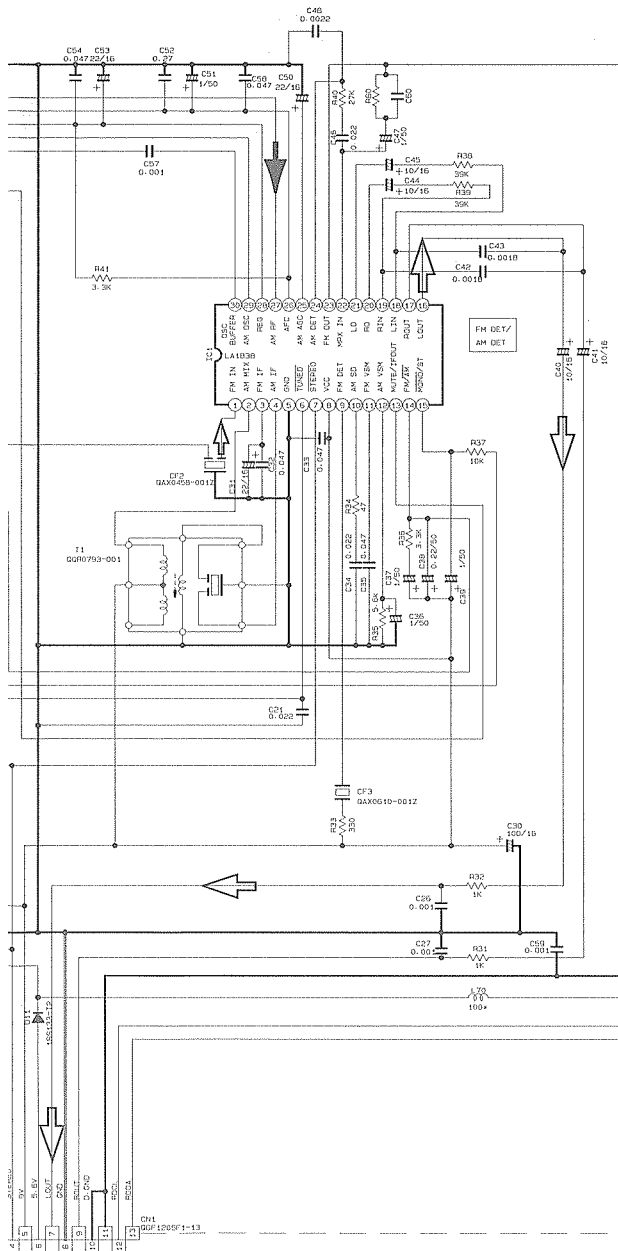
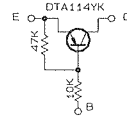
4

1

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/8W ±5% METAL GLAZE RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHMS(Ω).
4. ALL CAPASITANCE VALUES ARE IN nF(pF).
5. ALL E-CAPASITORS ARE SHOWN IN THE FORM OF CAPASITANCE (nF)/RATED VOLTAGE (V).
6. SI DIODES (▷) ARE ALL 1SS133-T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.
7. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS.
Q1 2SC2B14/4-5/-X Q2-Q3 2SC2412K/R/-X
Q4-Q5 DTA114YKA-X

8. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.



N732 OF FM3-012-1

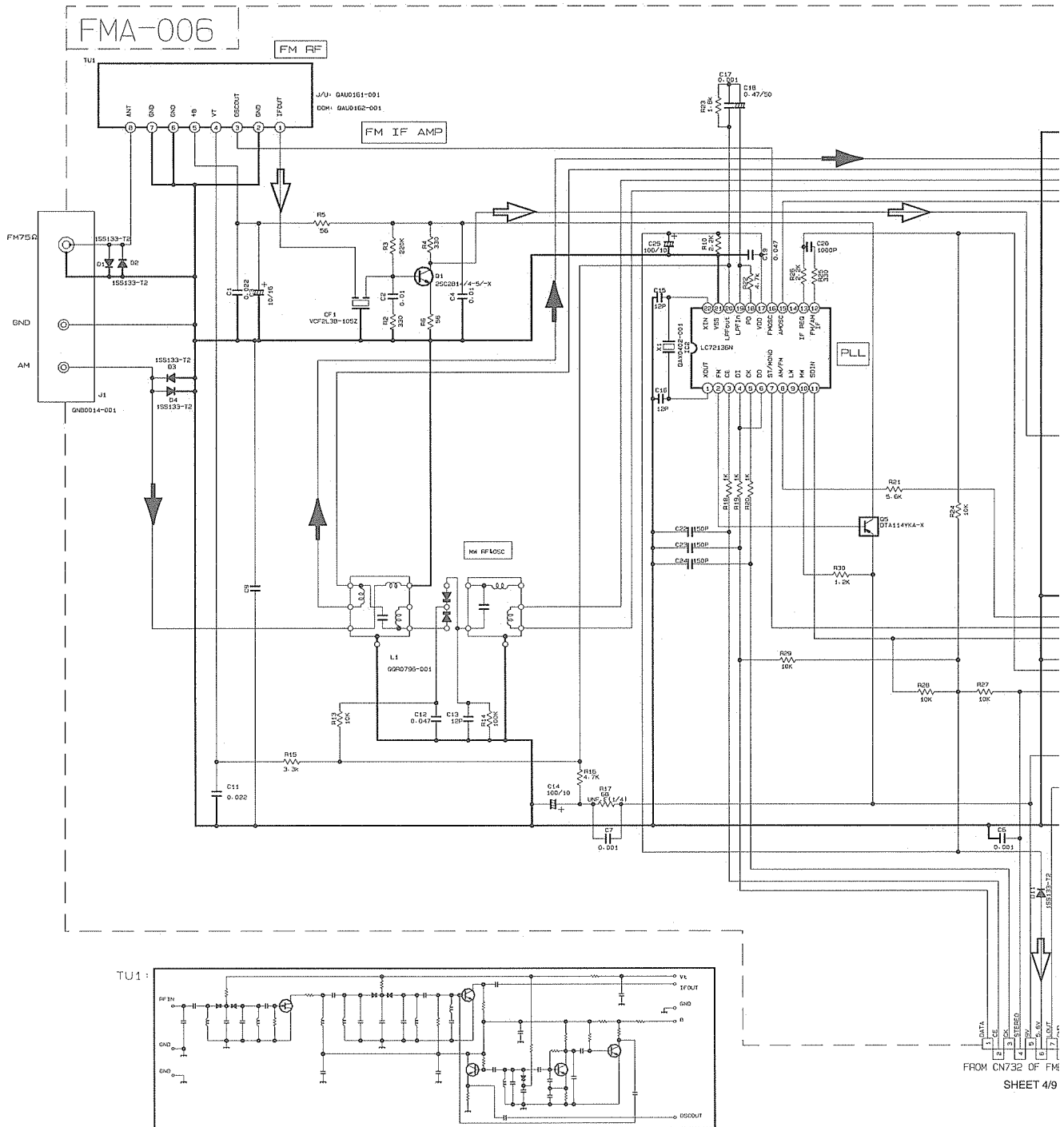
SHEET 4/9

Tr. NO.	Q1			Q5					
	E	C	B	E	C	B			
FM 87.5MHz NO SIGNAL	0	7.1	0.85	B.9	B.8	0			
AM 520kHz NO SIGNAL	0	0	0	9.0	0	8.9			
Tr. NO.	Q2			Q3			Q4		
	E	C	B	E	C	B	E	C	B
AM 520kHz NO SIGNAL	0	0	0.7	0	0	0.7	0	3.6	0.7
AM 1440kHz NO SIGNAL	0	0	0.3	0	0.3	0.3	3.6	3.6	3.6

FM/TUNER signal
AM signal

SHEET 8/9

■ Tuner section (Only Ver J. C. U)



	CONDITION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
IC1	FM NO SIGNAL		3.6	8.9	3.6	3.6	0	5.0	5.0	8.9	8.9	1.3	0.1	0	0.9	7.8	7.8	4.3	4.3	4.3	4.3	3.4	3.4	2.8	3.4	0	0	3.5	3.5	3.6	3.6
	FM 60dB STEREO		3.6	8.9	3.6	3.6	0	0	5.0	8.9	8.9	1.3	4.3	0	0.9	7.8	7.8	4.3	4.3	4.3	4.3	3.4	3.4	2.8	3.4	0	0	3.6	3.6	3.6	3.6
	AM NO SIGNAL		3.5	9.0	3.5	3.5	0	5.0	5.1	9.0	2.6	1.3	0	0	0.9	4.7	9.5	4.3	4.3	4.3	4.3	3.3	3.2	2.8	ust	0.7	0.7	3.6	3.6	3.6	3.6
IC2	FM NO SIGNAL		2.5	0	0	5.0	4.9	5.0	7.9	7.8	3.6	6.1	5.1	0	0	0	0	2.5	5.1	0.9	0.9	3.8	0	2.3							

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/8W ±5% METAL GLAZE RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM(Ω).
4. ALL CAPASITANCE VALUES ARE IN #F(P=pF).
5. ALL E. CAPASITORS ARE SHOWN IN THE FORM OF CAPASITANCE (pF)/RATED VOLTAGE (V).
6. SI DIODES (▷) ARE ALL 1SS133-T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.
7. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS.

Q1

2SC2814/4-5/-X

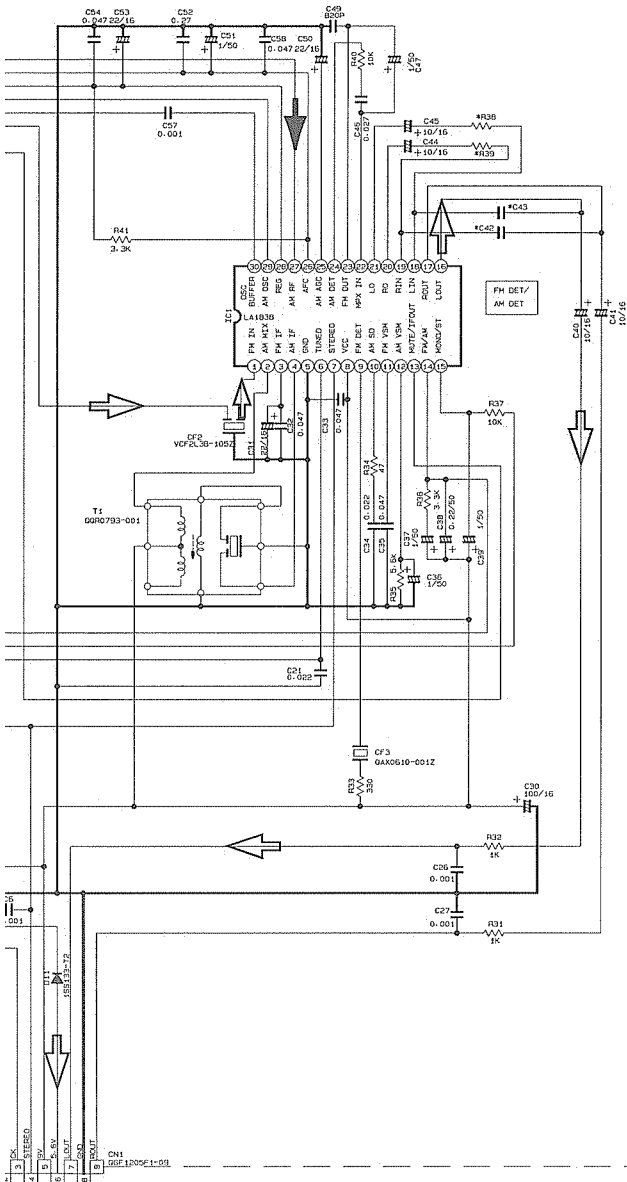
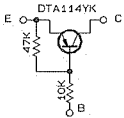
Q2, Q3

2SC2412K/R/-X

Q4, Q5

DTA114YK-A-X

B. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.



VERSION		
	J/C	U/DOH
R38	623	623
R39	623	623
C42	0.0022	0.0015
C43	0.0022	0.0015

N732 OF FMB-012-1
SHEET 4/9

28	29	30
3-6	3-6	2-7
3-6	3-6	2-7
3-6	3-6	2-1

Tr. NO.	Q1			Q5					
	E	C	B	E	C	B			
FM 87.5MHz NO SIGNAL	0	7.1	0.85	8.9	8.8	0			
AM 520kHz NO SIGNAL	0	0	0	9.0	0	8.9			
Tr. NO.	Q2			Q3			Q4		
	E	C	B	E	C	B	E	C	B
AM 520kHz NO SIGNAL	0	0	0.7	0	0	0.7	0	3-6	0.7
AM 1440kHz NO SIGNAL	0	0	0.3	0	0.3	0.3	3-6	3-6	3-6

⇒ FM/TUNER signal
⇒ AM signal