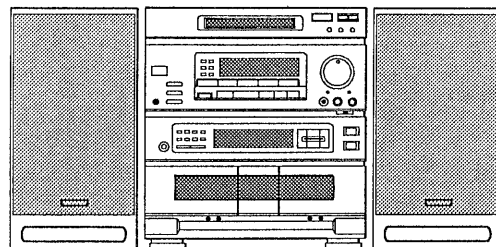


aiwa

XS-Z850M XS-Z880M CX-Z850M SX-Z850

SERVICE MANUAL



STEREO SYSTEM

• BASIC TAPE MECHANISM : 1ZM - 3

• TYPE. HE, LH, E

CENTER SYSTEM	CASSEVER	SPEAKER	TURNTABLE (OPTIONAL)	CD PLAYER (OPTIONAL)
XS - Z850M (HE)	CX - Z850M (HE)	SX - Z850	※1 PX - E900 (HE)	※2 DX - Z950M
XS - Z880M (LH)	CX - Z880M (LH)	SX - Z850	※1 PX - E900 (H)	※2 DX - Z950M
	CX - Z850M (E)	SX - Z850	※1 PX - E900 (E)	※2 DX - Z950M

※1 As to the service information of PX - E900.

See the individual service manual PX - E900.

※2 As to the service information of DX - Z950M.

See the individual service manual DX - Z950M.

AIWA CO.,LTD.

Tokyo Japan

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SPECIFICATIONS

<FM section>

Frequency range	: 87.5 MHz to 108 MHz
Usable sensitivity(IHF)	: 1.3 μ V (75 ohms) 13.2 dBf
Alternate channel selectivity	: 50 dB ($\pm$ 400 kHz)
Signal-to-noise ratio	: 70 dB (STEREO), 76 dB (MONO)
Harmonic distortion	: 0.3 % (MONO), 1 kHz 0.5 % (STEREO L - R), 1 kHz
Frequency response	: 30 Hz to 15 kHz (+ 0.5 dB, - 3 dB)
Stereo separation	: 33 dB at 1 kHz
Antenna	: 75 ohms (unbalanced)

<AM (MW) section>

Frequency range	: CX - Z850M HE, E : AM 531 (530) kHz to 1,602 (1,710) kHz CX - Z880M LH : AM 530 (531) kHz to 1,710 (1,602) kHz
Usable sensitivity	: 350 μ V/m
Selectivity	: 22 dB (9 kHz)
Signal-to-noise ratio	: 53 dB (100 dB input)
Antenna	: Loop antenna

<LW section> CX - Z850M E

Frequency range	: 144 kHz to 290 kHz
Sensitivity	: 1,400 μ V/m
Antenna	: Loop antenna

<Timer section>

Program timer	: On-timer, capable of free setting
Sleep timer	: Capable of setting in 10-minute increments, 120 minutes maximum

<Amplifier section>

Power output	: CX - Z850M HE, CX - Z880M LH 55W + 55W (6 ohms, T.H.D. 10% 1 kHz) CX - Z850M E 40W + 40W (6 ohms, T.H.D. 1% 1 kHz)
Harmonic distortion	: 0.05 % (20 W, 1 kHz, 6 ohms)
Input sensitivity	: VIDEO/AUX : 150 mV (adjustable) PHONO : 300 mV

<Cassette deck section>

Track format	: 4 tracks, 2 channels
Frequency response	: CrO ₂ tape : 50-16,000 Hz Normal tape : 50-15,000 Hz
Signal-to-noise ratio	: 60 dB (DOLBY NR ON, CrO ₂ tape peak level)
Tape speed	: 4.8 cm/sec.(1 7/8 ips)
Recording system	: AC bias
Erase system	: AC erase
Motor	: DC servomotor $\times$ 1
Heads	: Playback head $\times$ 1 (deck 1) Recording/playback/erasure head $\times$ 1 (deck 2)

<SPEAKER SX - Z850>

Cabinet type	: 3 way, bass reflex
Speaker	: 220 mm (8 3/4 in.) cone type woofer 50 mm (2 in.) cone type tweeter 30 mm (1 3/16 in.) ceramic type super tweeter
Impedance	: 6 ohm
MUSIC power	: 60 W
Output sound pressure level	: 90 dB/W/m
Dimensions(W $\times$ H $\times$ D)	: 260 $\times$ 470 $\times$ 215 mm (10 1/4 $\times$ 18 5/8 $\times$ 8 1/2 in.)
Weight	: 4.6 kg (10.1 lbs.)

<General>

Power requirements	: CX - Z850M HE, CX - Z880M LH AC 120 V/220 V/240 V, switchable 50/60 Hz CX - Z850M E AC 230 V, 50 Hz
Power consumption	: CX - Z850M HE, CX - Z880M LH 100 W (System total 110 W) CX - Z850M E 280 W (System total 290W)
Dimensions(W $\times$ H $\times$ D)	: Center unit : 360 $\times$ 319.5 $\times$ 336 mm (14 1/4 $\times$ 12 5/8 $\times$ 13 1/4 in.) System : 880 $\times$ 470 $\times$ 336 mm (34 3/4 $\times$ 18 5/8 $\times$ 13 1/4 in.)
Weight	: Center unit : 7.6 kg (16.7 lbs.) System : 16.8 kg (37 lbs)

- Design and specifications are subject to change without notice.
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- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc. Under license from BBE Sound, Inc.

■ ACCESSORIES/PACKAGE LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q,TY
	1	★82-MK3-901-119	INSTRUCTION BOOKLET,H (HE,LH)	※	1
	2	★82-MK3-902-018	INSTRUCTION BOOKLET,E (E)	※	1
	3	★82-MK2-610-119	RC,RC - TZ850M		1
	4	★81-748-632-019	FEERER ANT FMN (HE,LH)		1
	5	★81-748-632-018	FEERER ANT FMN (E)		1
	6	★87-006-225-019	AM LOOP ANT NC2 (HE,LH)		1
	7	★87-006-226-010	AM LOOP ANT CON2 (E)		1
	8	★87-042-062-019	PLUG,ADAPTOR S - I6115 (HE)		1
	9	★87-032-845-019	PLUG,CONVERSION (LH)		1

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
===IC===		
87-001-632-019	IC, BA10393N(HE)	
87-002-637-019	IC, BU4051B	
87-002-247-010	IC, BU4052B	
87-002-282-010	IC, BU4066B	
87-002-444-010	IC, BU4094B	
87-002-669-010	IC, GP1U571X(REMOTE SENSOR)	
87-001-874-010	IC, HA12134A	
87-001-942-010	IC, LA1265(S)	
87-001-530-019	IC, LA3607	
87-001-334-010	IC, LB9051A	
82-MK3-632-010	IC, LC67216A-4965	
82-MA2-636-010	IC, LC65204A-4927	
87-001-528-010	IC, LC7522	
87-002-239-019	IC, LM3364K-15(HE)	
87-002-607-010	IC, LM7001	
87-002-241-010	IC, M50195P(HE)	
87-027-895-010	IC, M5218AL	
87-020-758-010	IC, NJM2068SD	
87-001-582-010	IC, STK4152-MK2	
87-020-446-010	IC, TA7343AP	
87-027-827-010	IC, TC4069UBP	
87-002-218-010	IC, XRC5451AP	
87-001-869-010	IC, XR-1091	

===TRANSISTOR===

89-501-615-010	FET, 2SK161GR
89-502-415-010	FET, 2SK241GR
89-502-466-010	FET, 2SK246BL
89-502-464-010	FET, 2SK246Y
89-110-155-010	TRANSISTOR, 2SA1015GR
89-112-965-010	TRANSISTOR, 2SA1296GR
89-113-187-810	TRANSISTOR, 2SA1318TU
87-026-463-010	TRANSISTOR, 2SA933S
89-109-521-010	TRANSISTOR, 2SA952K
89-213-702-010	TRANSISTOR, 2SB1370E
87-026-462-010	TRANSISTOR, 2SC1740S
89-318-155-010	TRANSISTOR, 2SC1815GR
89-318-154-010	TRANSISTOR, 2SC1815Y
89-319-233-010	TRANSISTOR, 2SC1923
89-320-011-019	TRANSISTOR, 2SC2001K
89-332-665-010	TRANSISTOR, 2SC3266GR
89-333-317-010	TRANSISTOR, 2SC3331T
89-406-555-010	TRANSISTOR, 2SD655E
87-026-214-010	TRANSISTOR, DTA114YS
87-026-219-010	TRANSISTOR, DTA144ES
87-026-292-010	TRANSISTOR, DTA144WS
87-026-245-010	TRANSISTOR, DTC114ES
87-026-215-010	TRANSISTOR, DTC114YS
87-026-289-010	TRANSISTOR, DTC143XS
87-026-218-010	TRANSISTOR, DTC144ES
87-026-293-010	TRANSISTOR, DTC144WS

===DIODE===

87-001-574-010	DIODE, 1SR139-200
87-002-843-019	DIODE, 1SS108
87-001-559-010	DIODE, 1SS131
87-020-691-010	DIODE, 1SS132
87-002-225-010	DIODE, DBF 40C-K10
87-002-608-019	DIODE, DSF10TC
87-002-743-010	DIODE, ZENER MTZJ33B
87-001-916-010	DIODE, ZENER UTZJ10B
87-001-911-010	DIODE, ZENER UTZJ4. 7A
87-001-913-010	DIODE, ZENER UTZJ5. 6B
87-001-915-010	DIODE, ZENER UTZJ6. 8A

REF. NO.	PART NO.	DESCRIPTION
===MAIN CIRCUIT BOARD SECTION===		
BT101	★87-064-119-019	HOLDER, WIRE 2. 5-7P
BT103	★87-064-115-019	HOLDER, WIRE 2. 5-3P
C101	★87-016-055-019	CAP, ELECT 3300-42 HI-R
C102	★87-016-055-019	CAP, ELECT 3300-42 HI-R
C103	★87-010-390-010	CAP, ELECT 3300-25 SME
C104	★87-010-980-010	CAP, ELECT 330-16 FS
C105	★87-010-101-010	CAP, ELECT 220-16 SME
C106	★87-010-764-010	CAP, ELECT 47-63
C107	★87-010-384-010	CAP, ELECT 100-25 SME
C108	★87-010-260-010	CAP, ELECT 47-25 SME
C109	★87-010-263-010	CAP, ELECT 100-10
C110	★87-010-263-010	CAP, ELECT 100-10
C111	★87-010-370-010	CAP, ELECT 330-6. 3 SME
C112	★87-010-260-010	CAP, ELECT 47-25 SME(HE, LH)
C112	★87-010-237-019	CAP, ELECT 1000/16 SME(E)
C113	★87-010-403-010	CAP, ELECT 3. 3-50 SME
C114	★87-018-205-010	CAP, CERA-SOL SS 0. 022-25 F
C116	★87-018-127-010	CAP, CERA-SOL SS 470P-50 B
C117	★87-010-405-010	CAP, ELECT 10-50 SME(HE, LH)
C117	★87-016-145-019	CAP, ELECT 10-50 KME(E)
C205	★87-016-073-010	CAP, ELECT 1-50 FX
C206	★87-016-073-010	CAP, ELECT 1-50 FX
C207	★87-010-401-010	CAP, ELECT 1-50 SME
C208	★87-010-401-010	CAP, ELECT 1-50 SME
C209	★87-018-134-010	CAP, CERA-SOL SS 0. 01-16 Y
C210	★87-018-134-010	CAP, CERA-SOL SS 0. 01-16 Y
C211	★87-010-401-010	CAP, ELECT 1-50 SME
C212	★87-010-401-010	CAP, ELECT 1-50 SME
C213	★87-010-402-010	CAP, ELECT 2. 2-50 SME
C214	★87-010-402-010	CAP, ELECT 2. 2-50 SME
C215	★87-018-131-010	CAP, CERA-SOL SS 1000P-50 B
C216	★87-018-131-010	CAP, CERA-SOL SS 1000P-50 B
C217	★87-010-401-010	CAP, ELECT 1-50 SME
C218	★87-010-401-010	CAP, ELECT 1-50 SME
C221	★87-010-400-010	CAP, ELECT 0. 47-50 SME
C222	★87-010-400-010	CAP, ELECT 0. 47-50 SME
C223	★87-010-260-010	CAP, ELECT 47-25 SME
C224	★87-010-260-010	CAP, ELECT 47-25 SME
C225	★87-010-260-010	CAP, ELECT 47-25 SME(HE, LH)
C225	★87-016-130-010	CAP, ELECT 47-25 KME(E)
C226	★87-010-260-010	CAP, ELECT 47-25 SME(HE, LH)
C226	★87-016-130-010	CAP, ELECT 47-25 KME(E)
C227	★87-018-214-010	CAP, CERA-SOL SS 0. 1-50 F
C228	★87-018-214-010	CAP, CERA-SOL SS 0. 1-50 F
C233	★87-010-546-010	CAP, ELECT 0. 33-50 SME
C234	★87-010-263-010	CAP, ELECT 100-10(HE, LH)
C234	★87-016-123-010	CAP, ELECT 100-10 KME(E)
C235	★87-010-260-010	CAP, ELECT 47-25 SME
C236	★87-010-408-010	CAP, ELECT 47-50 SME
C237	★87-010-403-010	CAP, ELECT 3. 3-50 SME
C238	★87-010-403-010	CAP, ELECT 3. 3-50 SME
C243	★87-018-104-010	CAP, CERA-SOL SS 10P-50 SL
C244	★87-018-104-010	CAP, CERA-SOL SS 10P-50 SL
C245	★87-018-119-010	CAP, CERA-SOL SS 100P-50 B
C246	★87-018-119-010	CAP, CERA-SOL SS 100P-50 B
C303	★87-018-123-010	CAP, CERA-SOL SS 220P-50 B
C304	★87-018-123-010	CAP, CERA-SOL SS 220P-50 B
C309	★87-018-134-010	CAP, CERA-SOL SS 0. 01-16 Y
C310	★87-018-134-010	CAP, CERA-SOL SS 0. 01-16 Y
C313	★87-018-205-010	CAP, CERA-SOL SS 0. 022-25 F
C314	★87-010-260-010	CAP, ELECT 47-25 SME
C351	★87-018-121-010	CAP, CERA-SOL SS 150P-50 B
C352	★87-018-121-010	CAP, CERA-SOL SS 150P-50 B
C353	★87-018-124-010	CAP, CERA-SOL SS 270P-50 B
C354	★87-018-124-010	CAP, CERA-SOL SS 270P-50 B
C355	★87-010-260-010	CAP, ELECT 47-25 SME

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
C361	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y	C702	★87-010-404-010	CAP, ELECT 4.7-50 SME
C362	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y	C703	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C365	★87-018-205-010	CAP, CERA-SOL SS 0.022-25 F	C705	★87-010-248-010	CAP, ELECT 220-10 SME
C401	★87-010-402-010	CAP, ELECT 2.2-50 SME	C706	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C402	★87-010-402-010	CAP, ELECT 2.2-50 SME	C707	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C407	★87-010-401-010	CAP, ELECT 1-50 SME	C708	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C408	★87-010-401-010	CAP, ELECT 1-50 SME	C710	★87-018-149-010	CAP, CERA-SOL SS 15P-50 CH
C415	★87-018-121-010	CAP, CERA-SOL SS 150P-50 B	C713	★87-018-199-010	CAP, CERA-SOL SS 3300P-16 X
C416	★87-018-121-010	CAP, CERA-SOL SS 150P-50 B	C714	★87-018-199-010	CAP, CERA-SOL SS 3300P-16 X
C451	★87-018-123-010	CAP, CERA-SOL SS 220P-50 B	C715	★87-018-195-010	CAP, CERA-SOL SS 1200P-16 X
C452	★87-018-123-010	CAP, CERA-SOL SS 220P-50 B	C716	★87-018-195-010	CAP, CERA-SOL SS 1200P-16 X
C453	★87-018-131-010	CAP, CERA-SOL SS 1000P-50 B	C720	★87-018-121-010	CAP, CERA-SOL SS 150P-50 B(E)
C455	★87-018-131-010	CAP, CERA-SOL SS 1000P-50 B	C721	★87-010-401-010	CAP, ELECT 1-50 SME
C456	★87-010-260-010	CAP, ELECT 47-25 SME	C722	★87-010-401-010	CAP, ELECT 1-50 SME
C459	★87-018-198-010	CAP, CERA-SOL SS 2700P-16 X	C723	★87-010-405-010	CAP, ELECT 10-50 SME
C501	★87-010-405-010	CAP, ELECT 10-50 SME	C724	★87-014-057-010	CAP, PP 1000P-100 J
C502	★87-010-405-010	CAP, ELECT 10-50 SME	C725	★87-010-401-010	CAP, ELECT 1-50 SME
C503	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B	C726	★87-010-403-010	CAP, ELECT 3.3-50 SME
C504	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B	C727	★87-010-248-010	CAP, ELECT 220-10 SME
C505	★87-010-401-010	CAP, ELECT 1-50 SME	C731	★87-018-134-010	CAP, CERA-SOL SS 0.01 16Y
C506	★87-010-401-010	CAP, ELECT 1-50 SME	C741	★87-010-402-010	CAP, ELECT 2.2-50 SME
C507	★87-018-131-010	CAP, CERA-SOL SS 1000P-50 B	C742	★87-018-125-010	CAP, CERA-SOL SS 330P-50 B
C508	★87-018-131-010	CAP, CERA-SOL SS 1000P-50 B	C743	★87-010-382-010	CAP, ELECT 22-25 SME
C509	★87-010-371-010	CAP, ELECT 470-6.3	C744	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C515	★87-010-545-010	CAP, ELECT 0.22-50 SME	C745	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C516	★87-010-545-010	CAP, ELECT 0.22-50 SME	C746	★87-010-401-010	CAP, ELECT 1-50 SME
C517	★87-010-400-010	CAP, ELECT 0.47-50 SME	C748	★87-010-404-010	CAP, ELECT 4.7-50 SME
C518	★87-010-400-010	CAP, ELECT 0.47-50 SME	C749	★87-010-405-010	CAP, ELECT 10-50 SME
C520	★87-018-133-010	CAP, CERA-SOL SS 4700P-16 X	C750	★87-010-544-010	CAP, ELECT 0.1-50
C521	★87-018-100-010	CAP, CERA-SOL SS 4.7P-50 SL	C751	★87-010-403-010	CAP, ELECT 3.3-50 SME
C522	★87-018-100-010	CAP, CERA-SOL SS 4.7P-50 SL	C752	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C523	★87-018-133-010	CAP, CERA-SOL SS 4700P-16 X	C754	★87-010-260-010	CAP, ELECT 47-25 SME
C524	★87-018-133-010	CAP, CERA-SOL SS 4700P-16 X	C755	★87-010-401-010	CAP, ELECT 1-50 SME
C525	★87-018-121-010	CAP, CERA-SOL SS 150P-50 B	C756	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C526	★87-010-260-010	CAP, ELECT 47-25 SME	C760	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C527	★87-010-401-010	CAP, ELECT 1-50 SME	C799	★87-018-205-010	CAP, CERA-SOL SS 0.022-25 F(E)
C528	★87-018-100-010	CAP, CERA-SOL SS 4.7P-50 SL	C802	★87-018-102-010	CAP, CERA-SOL SS 6.8P-50 SL
C581	★87-010-405-010	CAP, ELECT 10-50 SME	C804	★87-018-102-010	CAP, CERA-SOL SS 6.8P-50 SL
C582	★87-010-405-010	CAP, ELECT 10-50 SME	C805	★87-018-098-010	CAP, CERA-SOL SS 3.3P-50 SL
C590	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y	C806	★87-018-096-010	CAP, CERA-SOL SS 1P-50 SL
C601	★87-010-401-010	CAP, ELECT 1-50 SME	C807	★87-018-100-010	CAP, CERA-SOL SS 4.7P-50 SL
C602	★87-010-401-010	CAP, ELECT 1-50 SME	C808	★87-018-119-010	CAP, CERA-SOL SS 100P-50 B
C605	★87-018-121-010	CAP, CERA-SOL SS 150P-50 B	C809	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C606	★87-018-121-010	CAP, CERA-SOL SS 150P-50 B	C810	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C607	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y	C811	★87-018-116-010	CAP, CERA-SOL SS 56P-50 SL
C608	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y	C812	★87-018-107-010	CAP, CERA-SOL SS 18P-50 SL
C609	★87-010-401-010	CAP, ELECT 1-50 SME	C813	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C610	★87-010-401-010	CAP, ELECT 1-50 SME	C814	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C611	★87-010-404-010	CAP, ELECT 4.7-50 SME	C815	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C612	★87-010-404-010	CAP, ELECT 4.7-50 SME	C817	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C615	★87-018-198-010	CAP, CERA-SOL SS 2700P-16 X	C818	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C616	★87-018-198-010	CAP, CERA-SOL SS 2700P-16 X	C819	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C617	★87-018-122-010	CAP, CERA-SOL SS 180P-50 B	C820	★87-010-260-010	CAP, ELECT 47-25 SME
C618	★87-018-122-010	CAP, CERA-SOL SS 180P-50 B	C821	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C621	★87-010-400-010	CAP, ELECT 0.47-50 SME	C822	★87-018-103-010	CAP, CERA-SOL SS 8.2P-50 SL
C622	★87-010-400-010	CAP, ELECT 0.47-50 SME	C823	★87-018-107-010	CAP, CERA-SOL SS 18P-50 SL
C623	★87-010-404-010	CAP, ELECT 4.7-50 SME	C826	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y(E)
C624	★87-010-404-010	CAP, ELECT 4.7-50 SME	C830	★87-018-214-010	CAP, CERA-SOL SS 0.1-50 F(E)
C628	★87-010-404-010	CAP, ELECT 4.7-50 SME	C831	★87-018-102-010	CAP, CERA-SOL SS 6.8P-50 SL
C630	★87-010-405-010	CAP, ELECT 10-50 SME	C833	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y(E)
C631	★87-010-401-010	CAP, ELECT 1-50 SME	C839	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C632	★87-010-401-010	CAP, ELECT 1-50 SME	C941	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y(E)
C633	★87-010-101-010	CAP, ELECT 220-16 SME	C942	★87-018-105-010	CAP, CERA-SOL SS 12P-50 SL(E)
C635	★87-010-405-010	CAP, ELECT 10-50 SME	C944	★87-018-105-010	CAP, CERA-SOL SS 12P-50 SL(HE, LH)
C636	★87-010-404-010	CAP, ELECT 4.7-50 SME	C944	★87-018-104-010	CAP, CERA-SOL SS 10P-50 SL(E)
C699	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y	C945	★87-014-050-010	CAP, PP 510P-100 J(E)
C700	★87-010-221-010	CAP, ELECT 470-10	C946	★87-010-401-010	CAP, ELECT 1-50 SME
C701	★87-010-384-010	CAP, ELECT 100-25 SME	C949	★87-018-214-010	CAP, CERA-SOL SS 0.1-50 F(E)

REF. NO.	PART NO.	DESCRIPTION
C983	★87-010-544-010	CAP, ELECT 0.1-50
C990	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y
C999	★87-018-134-010	CAP, CERA-SOL SS 0.01-16 Y(E)
CF741	★82-794-670-010	CF BFU450C4N
CF801	★87-008-261-010	FILTER, SFE10.7MA5-A
CF802	★87-008-261-010	FILTER, SFE10.7MA5-A
J250	★87-049-855-010	JACK, 6.3 W/S (PHONES)
J253	★80-MT3-616-010	JACK, PIN 2P (SURROUND SPEAKERS)
J254	★87-033-215-010	TERMINAL SP 4P R (SPEAKERS)
J652	★82-MA2-631-019	JACK, PIN 4P RVS (VIDEO/AUX)
J801	★87-033-214-010	ANT TERM 4P (ANTENNA) (HE, LH)
J801	★81-631-646-010	ANT TERM 2P PAL (ANTENNA) (E)
J902	81-754-629-019	CONNECTOR XH M 2P (UL) (MW/LW LOOP) (E)
L401	★87-003-131-010	COIL, 10MMH K
L402	★87-003-131-010	COIL, 10MMH K
L403	★87-005-525-010	COIL, 22MMH-J
L404	★87-005-525-010	COIL, 22MMH-J
L451	★87-007-300-010	COIL, OSC BIAS 85K
L701	★81-631-643-010	COIL, 1 POLE MPX
L702	★81-631-643-010	COIL, 1 POLE MPX
L741	★81-631-611-010	COIL, QUAD
L742	★87-008-452-010	FILTER, CFAZ450
L801	★87-006-219-010	COIL, ANT FM 3/4T, S
L802	★87-006-198-010	COIL, ANT FM 2-3/4 TS, L5
L803	★87-006-200-010	COIL, RF FM 3-1/2T, L5
L804	★87-006-220-010	COIL, RF FM 3-1/2T, L5 S
L805	★87-003-098-010	COIL, 2.2UH
L806	★87-003-145-010	COIL, 8.2UH LAL02
L807	★87-007-259-010	COIL, OSC FM
L832	★87-003-098-010	COIL, 2.2UH
L941	★87-006-208-019	COIL, ANT LW (E)
L942	★87-007-305-019	COIL, OSC LW S (E)
R105	★87-022-050-010	RES, METAL 1W-0.22J
R106	★87-022-050-010	RES, METAL 1W-0.22J
R243	★87-022-391-010	RES, M/F 0.47-1W
R244	★87-022-391-010	RES, M/F 0.47-1W
R257	★87-022-391-010	RES, M/F 0.47-1W
R258	★87-022-391-010	RES, M/F 0.47-1W
RY101	★87-045-335-010	RELAY, G5Z-2A 12VDC
SFR301	★87-024-349-010	SFR, 1K DIA6H
SFR302	★87-024-349-010	SFR, 1K DIA6H
SFR351	★87-024-349-010	SFR, 1K DIA6H
SFR352	★87-024-349-010	SFR, 1K DIA6H
SFR401	★87-024-352-010	SFR, 4.7K DIA6H
SFR402	★87-024-352-010	SFR, 4.7K DIA6H
SFR451	★87-024-351-010	SFR, 47K DIA6H
SFR452	★87-024-351-010	SFR, 47K DIA6H
SFR571	★87-024-353-010	SFR, 10K DIA6H
SFR721	★87-024-352-010	SFR, 4.7K DIA6H
SFR722	★87-024-355-010	SFR, 33K DIA6H
TC701	★87-011-221-010	CAP, TRIMMER 30P VCT 51
TC801	★87-011-219-010	CAP, TRIMMER 10P VCT
TC802	★87-011-219-010	CAP, TRIMMER 10P VCT
TC942	★87-011-221-010	CAP, TRIMMER 30P VCT 51 (E)
TU101	★81-MX4-620-010	AM PACK 3 (HE, LH)
TU101	★81-MX4-619-019	AM PACK 4 (E)
VC801	87-027-900-010	VARI-CAP, 1SV147
VC802	87-027-900-010	VARI-CAP, 1SV147
VC803	87-027-900-010	VARI-CAP, 1SV147
VR651	★81-MX4-636-010	VR, 50KBX2 (VIDEO/AUX INPUT LEVEL)
X701	★87-030-163-010	RESONATOR, CRYSTAL 7.2MHZ

===FRONT CIRCUIT BOARD SECTION===

REF. NO.	PART NO.	DESCRIPTION
C205	★87-010-404-089	CAP, ELECT 4.7-50 SME
C206	★87-015-688-089	CAP, ELECT 4.7-35 7L
C207	★87-015-688-089	CAP, ELECT 4.7-35 7L
C208	★87-018-214-089	CAP, CERA-SOL SS 0.1-50 F
C209	★87-018-195-089	CAP, CERA-SOL SS 1200P-16 X
C210	★87-018-195-089	CAP, CERA-SOL SS 1200P-16 X
C401	★87-010-404-089	CAP, ELECT 4.7-50 SME
C403	★87-018-134-089	CAP, CERA-SOL SS 0.01-16 Y
C501	★87-010-384-089	CAP, ELECT 100-25 SME (HE, LH)
C601	★87-018-125-089	CAP, CERA-SOL SS 330P-50 B
C602	★87-018-125-089	CAP, CERA-SOL SS 330P-50 B
C605	★87-015-690-089	CAP, ELECT 22-35 7L
C606	★87-010-406-089	CAP, ELECT 22-50 SME
C607	★87-015-688-089	CAP, ELECT 4.7-35 7L
C608	★87-010-404-089	CAP, ELECT 4.7-50 SME
C609	★87-015-688-089	CAP, ELECT 4.7-35 7L
C610	★87-010-404-089	CAP, ELECT 4.7-50 SME
C615	★87-015-696-089	CAP, ELECT 2.2-50 7L
C616	★87-010-402-089	CAP, ELECT 2.2-50 SME
C619	★87-018-130-089	CAP, CERA-SOL SS 820P-50 B
C620	★87-018-130-089	CAP, CERA-SOL SS 820P-50 B
C621	★87-018-197-010	CAP, CERA-SOL SS 1800P-16 X
C622	★87-018-197-089	CAP, CERA-SOL SS 1800P-16 X
C623	★87-018-197-089	CAP, CERA-SOL SS 1800P-16 X
C624	★87-018-197-089	CAP, CERA-SOL SS 1800P-16 X
C625	★87-018-133-089	CAP, CERA-SOL SS 4700P-16 X
C626	★87-018-133-089	CAP, CERA-SOL SS 4700P-16 X
C627	★87-018-133-089	CAP, CERA-SOL SS 4700P-16 X
C628	★87-018-133-089	CAP, CERA-SOL SS 4700P-16 X
C641	★87-010-545-089	CAP, ELECT 0.22-50 SME
C642	★87-010-545-089	CAP, ELECT 0.22-50 SME
C643	★87-015-692-089	CAP, ELECT 0.22-50 7L
C644	★87-010-068-089	CAP, ELECT 0.22-50 5L
C645	★87-010-400-010	CAP, ELECT 0.47-50 SME
C646	★87-010-400-089	CAP, ELECT 0.47-50 SME
C649	★87-018-134-089	CAP, CERA-SOL SS 0.01-16 Y
C700	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C701	★87-018-195-089	CAP, CERA-SOL SS 1200P-16 X
C703	★87-015-695-089	CAP, ELECT 1-50 7L
C704	★87-018-125-089	CAP, CERA-SOL SS 330P-50 B
C705	★87-010-546-089	CAP, ELECT 0.33-50 SME
C706	★87-018-125-089	CAP, CERA-SOL SS 330P-50 B
C707	★87-010-264-089	CAP, ELECT 100-10 5L
C708	★87-010-071-089	CAP, ELECT 1-50 5L
C710	★87-010-264-089	CAP, ELECT 100-10 5L
C711	★87-015-695-089	CAP, ELECT 1-50 7L
C712	★87-015-695-089	CAP, ELECT 1-50 7L
C713	★87-015-699-089	CAP, ELECT 10-50 7L
C714	★87-015-699-089	CAP, ELECT 10-50 7L
C717	★87-018-119-010	CAP, CERA-SOL SS 100P-50 B
C720	★87-010-260-089	CAP, ELECT 47-25 SME
C901	★87-018-195-089	CAP, CERA-SOL SS 1200P-16 X
C902	★87-010-263-089	CAP, ELECT 100-10
C903	★87-016-088-049	CAP, ELECT 220-6.3 SR
C904	★87-010-401-089	CAP, ELECT 1-50 SME
C906	★87-010-263-089	CAP, ELECT 100-10
C909	★87-018-121-089	CAP, CERA-SOL SS 150P-50 B
C910	★87-018-119-089	CAP, CERA-SOL SS 100P-50 B
C911	★87-018-119-089	CAP, CERA-SOL SS 100P-50 B
C912	★87-018-214-089	CAP, CERA-SOL SS 0.1-50 F
C913	★87-018-214-089	CAP, CERA-SOL SS 0.1-50 F
C915	★87-018-134-010	CAP, CERA-SOL 0.01-16 Y
FL101	★82-MK2-633-010	FL, 8-BT-131GK (DISPLAY)
FL102	★82-MA2-635-010	FL, BJ082GK (SPEAK)
J701	★87-009-204-010	JACK 6.3 (MIC)
LED405	87-002-816-080	LED, SEL2415E GRN (■STOP)
LED406	87-002-816-080	LED, SEL2415E GRN (MS)
LED407	87-002-816-080	LED, SEL2415E GRN (REV)

REF. NO.	PART NO.	DESCRIPTION
LED408	87-002-816-080	LED, SEL2415E GRN (■PAUSE/SET)
LED409	87-002-816-080	LED, SEL2415E GRN (MS)
LED410	87-002-816-080	LED, SEL2415E GRN (FWD)
LED411	87-002-738-080	LED, SEL2210R TP6 (TAPE/DECK1/2)
LED412	87-002-738-080	LED, SEL2210R TP6 (TUNER/BAND)
LED413	87-002-738-080	LED, SEL2210R TP6 (PHONO)
LED414	87-002-738-080	LED, SEL2210R TP6 (VIDEO/AUX)
LED415	87-002-738-080	LED, SEL2210R TP6 (CD)
S301	87-036-215-089	SW, TACT (■PAUSE/SET) (HE, LH)
S301	87-036-259-088	SW, TACT (■PAUSE/SET) (E)
S302	87-036-215-089	SW, TACT (●REC/REC MUTE) (HE, LH)
S302	87-036-259-088	SW, TACT (●REC/REC MUTE) (E)
S303	87-036-215-089	SW, TACT (NORMAL) (HE, LH)
S303	87-036-259-088	SW, TACT (NORMAL) (E)
S304	87-036-215-089	SW, TACT (HIGH) (HE, LH)
S304	87-036-259-088	SW, TACT (HIGH) (E)
S305	87-036-215-089	SW, TACT (TUNING) (HE, LH)
S305	87-036-259-088	SW, TACT (TUNING) (E)
S306	87-036-215-089	SW, TACT (PRESET) (HE, LH)
S306	87-036-259-088	SW, TACT (PRESET) (E)
S307	87-036-215-089	SW, TACT (CLOCK) (HE, LH)
S307	87-036-259-088	SW, TACT (CLOCK) (E)
S308	87-036-215-089	SW, TACT (FM/MODE) (HE, LH)
S308	87-036-259-088	SW, TACT (FM/MODE) (E)
S309	87-036-215-089	SW, TACT (UP▶▶) (HE, LH)
S309	87-036-259-088	SW, TACT (UP▶▶) (E)
S310	87-036-215-089	SW, TACT (◀◀DOWN) (HE, LH)
S310	87-036-259-088	SW, TACT (◀◀DOWN) (E)
S311	87-036-215-089	SW, TACT (◀PLAY/DIR▶) (HE, LH)
S311	87-036-259-088	SW, TACT (◀PLAY/DIR▶) (E)
S312	87-036-215-089	SW, TACT (■STOP) (HE, LH)
S312	87-036-259-088	SW, TACT (■STOP) (E)
S313	87-036-215-089	SW, TACT (PHONO) (HE, LH)
S313	87-036-259-088	SW, TACT (PHONO) (E)
S314	87-036-215-089	SW, TACT (T-BASS) (HE, LH)
S314	87-036-259-088	SW, TACT (T-BASS) (E)
S315	87-036-215-089	SW, TACT (BBE) (HE, LH)
S315	87-036-259-088	SW, TACT (BBE) (E)
S316	87-036-215-089	SW, TACT (VOCAL FADER) (HE, LH)
S316	87-036-259-088	SW, TACT (VOCAL FADER) (E)
S317	87-036-215-089	SW, TACT (CD) (HE, LH)
S317	87-036-259-088	SW, TACT (CD) (E)
S318	87-036-215-089	SW, TACT (TAPE/DECK1/2) (HE, LH)
S318	87-036-259-088	SW, TACT (TAPE/DECK1/2) (E)
S319	87-036-215-089	SW, TACT (TUNER/BAND) (HE, LH)
S319	87-036-259-088	SW, TACT (TUNER/BAND) (E)
S320	87-036-215-089	SW, TACT (VIDEO/AUX) (HE, LH)
S320	87-036-259-088	SW, TACT (VIDEO/AUX) (E)
S321	87-036-215-089	SW, TACT (REV MODE[DECK1/2]) (HE, LH)
S321	87-036-259-088	SW, TACT (REV MODE[DECK1/2]) (E)
S322	87-036-215-089	SW, TACT (DOLBYNR) (HE, LH)
S322	87-036-259-088	SW, TACT (DOLBYNR) (E)
S323	87-036-215-089	SW, TACT (SLEEP) (HE, LH)
S323	87-036-259-088	SW, TACT (SLEEP) (E)
S324	87-036-215-089	SW, TACT (STANDBY) (HE, LH)
S324	87-036-259-088	SW, TACT (STANDBY) (E)
S333	87-036-215-089	SW, TACT (POWER) (HE, LH)
S333	87-036-259-088	SW, TACT (POWER) (E)
S901	87-036-215-089	SW, TACT (DEMO) (HE, LH)
S901	87-036-259-088	SW, TACT (DEMO) (E)
S902	87-036-215-089	SW, TACT (GRAPHIC EQUALIZER) (HE, LH)
S902	87-036-259-088	SW, TACT (GRAPHIC EQUALIZER) (E)
S903	87-036-215-089	SW, TACT (MEMORY) (HE, LH)
S903	87-036-259-088	SW, TACT (MEMORY) (E)
S904	87-036-215-089	SW, TACT (ROCK) (HE, LH)
S904	87-036-259-088	SW, TACT (ROCK) (E)
S905	87-036-215-089	SW, TACT (POP) (HE, LH)
S905	87-036-259-088	SW, TACT (POP) (E)

REF. NO.	PART NO.	DESCRIPTION
S906	87-036-215-089	SW, TACT (JAZZ) (HE, LH)
S906	87-036-259-088	SW, TACT (JAZZ) (E)
S907	87-036-215-089	SW, TACT (CLASSIC) (HE, LH)
S907	87-036-259-088	SW, TACT (CLASSIC) (E)
S908	87-036-215-089	SW, TACT (M1) (HE, LH)
S908	87-036-259-088	SW, TACT (M1) (E)
S909	87-036-215-089	SW, TACT (M2) (HE, LH)
S909	87-036-259-088	SW, TACT (M2) (E)
S910	87-036-215-089	SW, TACT (M3) (HE, LH)
S910	87-036-259-088	SW, TACT (M3) (E)
S911	87-036-215-089	SW, TACT (M4) (HE, LH)
S911	87-036-259-088	SW, TACT (M4) (E)
S912	87-036-215-089	SW, TACT (∧) (HE, LH)
S912	87-036-259-088	SW, TACT (∧) (E)
S913	87-036-215-089	SW, TACT (∨) (HE, LH)
S913	87-036-259-088	SW, TACT (∨) (E)
S914	87-036-215-089	SW, TACT (>) (HE, LH)
S914	87-036-259-088	SW, TACT (>) (E)
S915	87-036-215-089	SW, TACT (<) (HE, LH)
S915	87-036-259-088	SW, TACT (<) (E)
VR701	★81-MX4-637-019	VR 10KA(MIXING PLAY)
VR702	★87-024-388-019	VR, SL 10KB(ECHO LEVEL) (HE)
VR703	★82-MA2-634-019	VR, 50KB(BALANCE)
X201	★89-MX1-704-089	CERA LOCK(MU)3.9MHZ
X901	★89-MX1-704-089	CERA LOCK(MU)3.9MHZ
===MVR CIRCUIT BOARD SETION ===		
C751	★87-018-212-089	CAP, CERA-SOL SS 0.022-50 F
C752	★87-010-401-089	CAP, ELECT 1-50 SME(HE)
C754	★87-010-404-089	CAP, ELECT 4.7-50 SME(HE)
C755	★87-010-405-089	CAP, ELECT 10-50 SME(HE)
C756	★87-018-134-089	CAP, CERA-SOL SS 0.01-16 Y(HE)
C758	★87-018-129-089	CAP, CERA-SOL SS 680P-50 B(HE)
C759	★87-018-214-089	CAP, CERA-SOL SS 0.1-50 F(HE)
C760	★87-018-202-089	CAP, CERA-SOL SS 6800P-16 X(HE)
C761	★87-010-260-089	CAP, ELECT 47-25 SME(HE)
C762	★87-010-404-089	CAP, ELECT 4.7-50 SME(HE)
C763	★87-018-134-089	CAP, CERA-SOL SS 0.01-16 Y(HE)
C765	★87-010-260-089	CAP, ELECT 47-25 SME(HE)
C768	★87-018-134-089	CAP, CERA-SOL SS 0.01-16 Y(HE)
C769	★87-010-404-089	CAP, ELECT 4.7-50 SME(HE)
MVR751	★82-MA3-635-019	VR, 50KBX2 (MO) (VOLUME)
LED751	+	LED(VOLUME)
M751	+	MOTOR(VOLUME)
X701	★87-030-225-089	CERA LOCK CST3.58(HE)
===AC CIRCUIT BAORD SECTION===		
FT102	81-MX4-647-010	F-CABEL, 7P-2.5
FT103	★82-MK3-651-019	F-CABEL, 3P-2.5
R100	★87-022-394-010	RES, NF 0.47-1/4W(HE, LH)
R100	★87-025-465-019	RES, NF 0.47-1/4W J(E)
R101	★87-022-394-010	RES, NF 0.47-1/4W(HE, LH)
R101	★87-025-465-019	RES, NF 0.47-1/4W J(E)
R190	★87-022-391-010	RES, M/F 0.47-1W
R191	★87-022-391-010	RES, M/F 0.47-1W
===DECK-1 CIRCUIT BOARD SECTION===		
S1	87-036-110-019	SW, PUSH(PLAY)
S2	86-575-632-110	SW, LEAF(FR)
S3	87-036-110-019	SW, PUSH(CST)
S4	87-036-110-019	SW, PUSH(LH)
SOL1	★86-575-622-010	SOLENOID(PLAY)
SOL2	★86-575-622-010	SOLENOID(FR)
===DECK-2 CIRCUIT BOARD SECTION===		
M1	87-045-319-019	MOTOR SHU2L
S10	87-036-110-019	SW, PUSH(PLAY)
S11	86-575-632-110	SW, LEAF(FR)

REF. NO. PART NO. DESCRIPTION

S12 87-036-110-019 SW, PUSH (CST)
 S13 87-036-110-019 SW, PUSH (LH)
 S14 87-036-109-019 SW, PUSH (REA)
 S15 87-036-110-019 SW, PUSH (REB)

SFR10 ★87-024-331-019 SFR 5K
 SOL10 ★86-575-622-010 SOLENOID (PLAY)
 SOL11 ★86-575-622-010 SOLENOID (FR)

===RELAY-2 CIRCUIT BOARD SECTION===

===RELAY-1 CIRCUIT BOARD SECTION===

===AC VOLTAGE CIRCUIT BOARD SECTION (HE, LH MODELS)===

△SW101 87-036-229-019 SW, SLIDE (AC VOLTAGE)
 △F101 87-035-413-019 FUSE, T1. 6A 250V UL

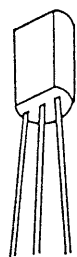
===JACK CIRCUIT BOARD SECTION===

C702 ★87-010-071-019 CAP, ELECT 1-50 5L
 J751 ★87-009-204-019 JACK, 6. 3 (MIC)

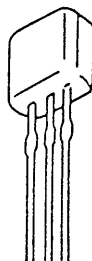
===MISCELLANEOUS===

△ ★87-034-749-019 AC CORD H W/PLUG (LH)
 △ ★82-187-797-019 AC CORD E (HE)
 △ ★87-050-016-010 AC CORD ASSY, E (E)
 △ ★87-085-185-010 BUSHING, AC CORD E (HE, E)
 △ ★87-085-184-010 BUSHING, AC CORD D (LH)
 PH 87-046-355-010 P HEAD (D1)
 RPEH 87-046-356-010 R. P. E HEAD (D2)
 △PT101 ★82-MK2-622-019 POWER TRANSFORMER, 2MK-2 H (HE, LH)
 △PT101 ★82-MK2-624-019 POWER TRANSFORMER, 2MK-2 E (E)

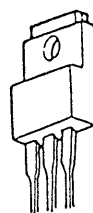
TRANSISTOR ILLUSTRATION



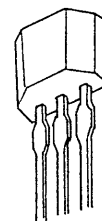
E C B



E C B



B C E



D S G



S G D

2SA1015 2SC3331

2SA933

2SB1370

2SK161

2SK246

2SA1296 2SD655

2SC1740

2SK241

2SA1318

DTA114

2SA952

DTA144

2SC1815

DTC114

2SC1923

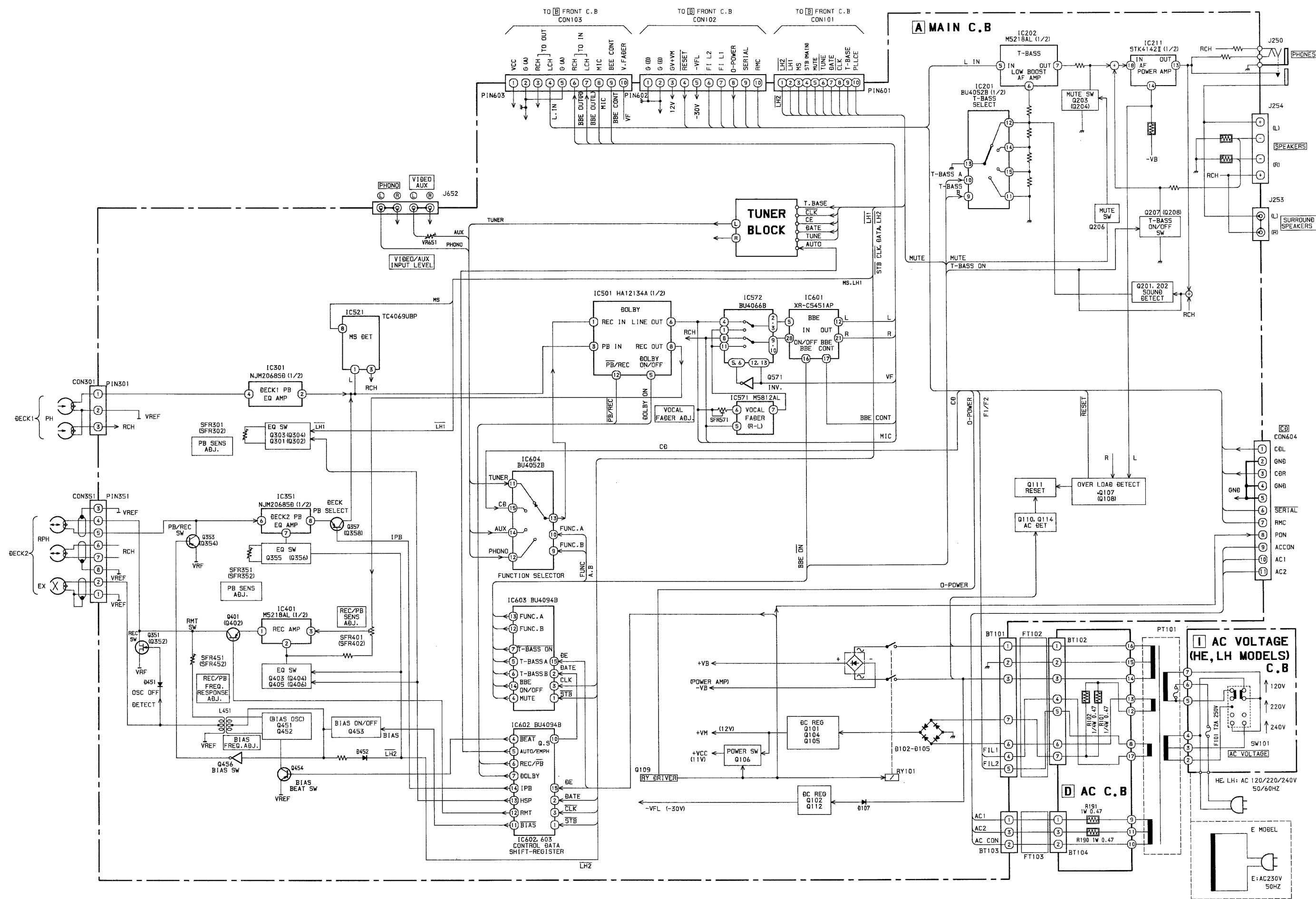
DTC143

2SC2001

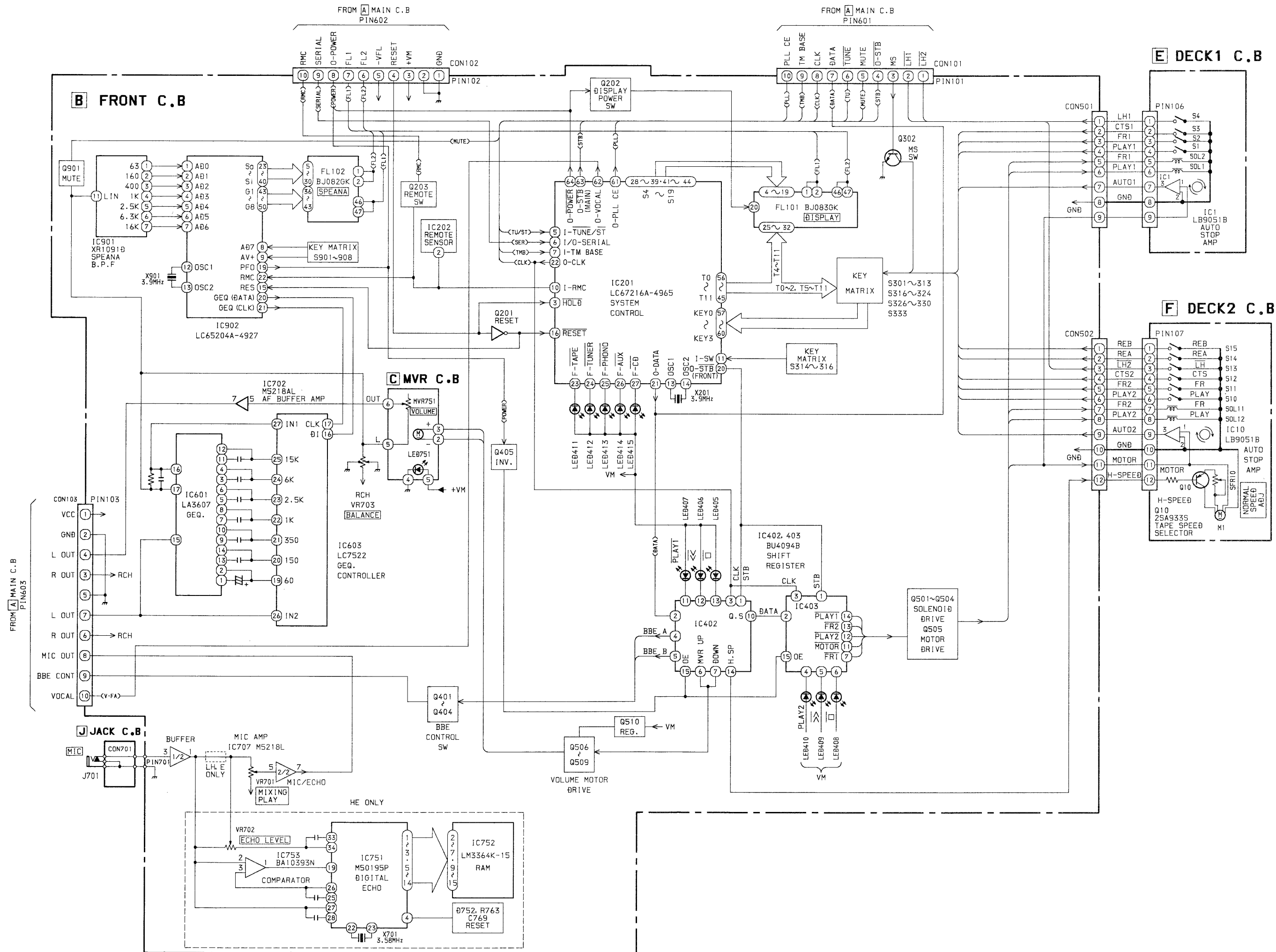
DTC144

2SC3266

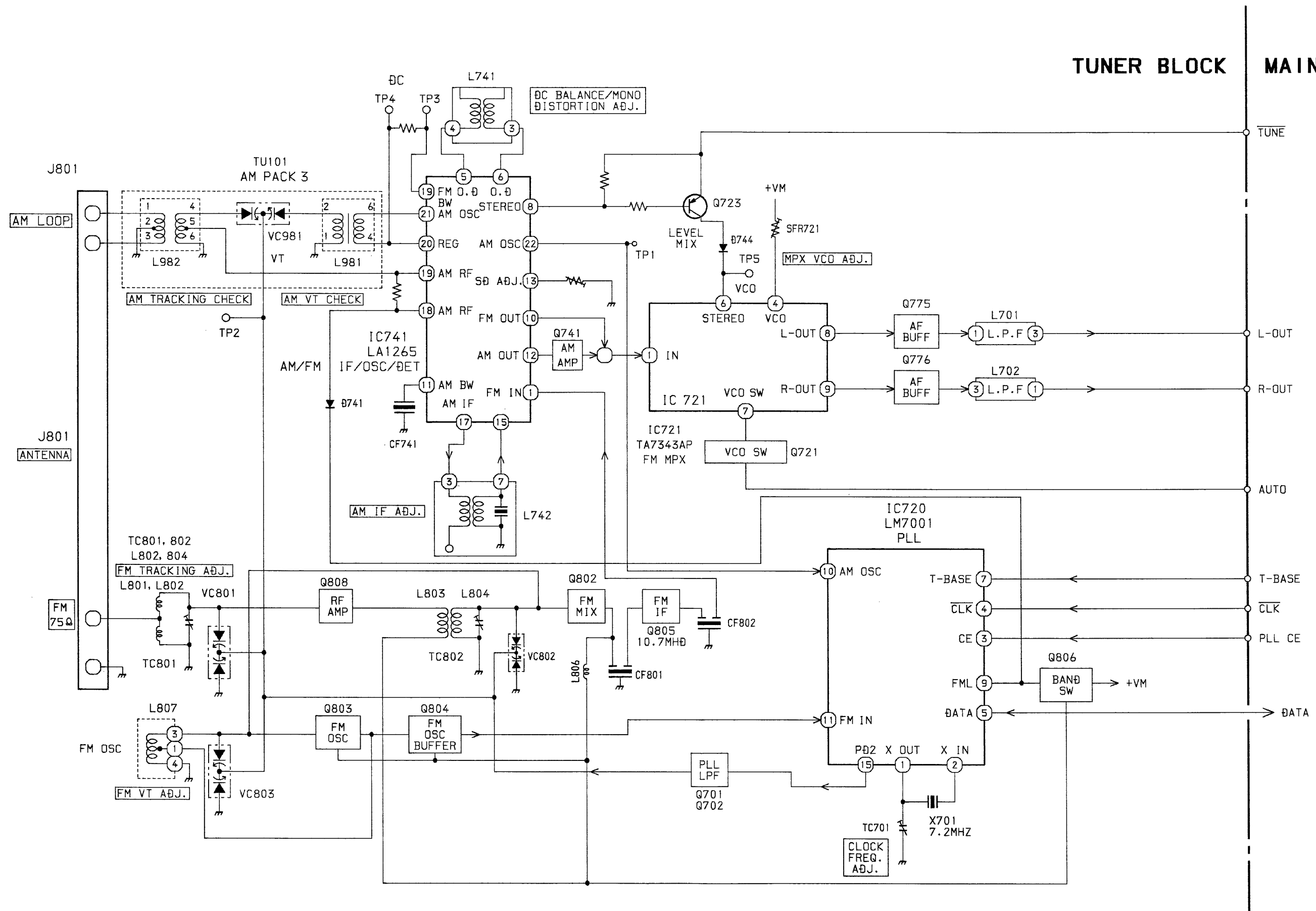
BLOCK DIAGRAM – 1 (MAIN)

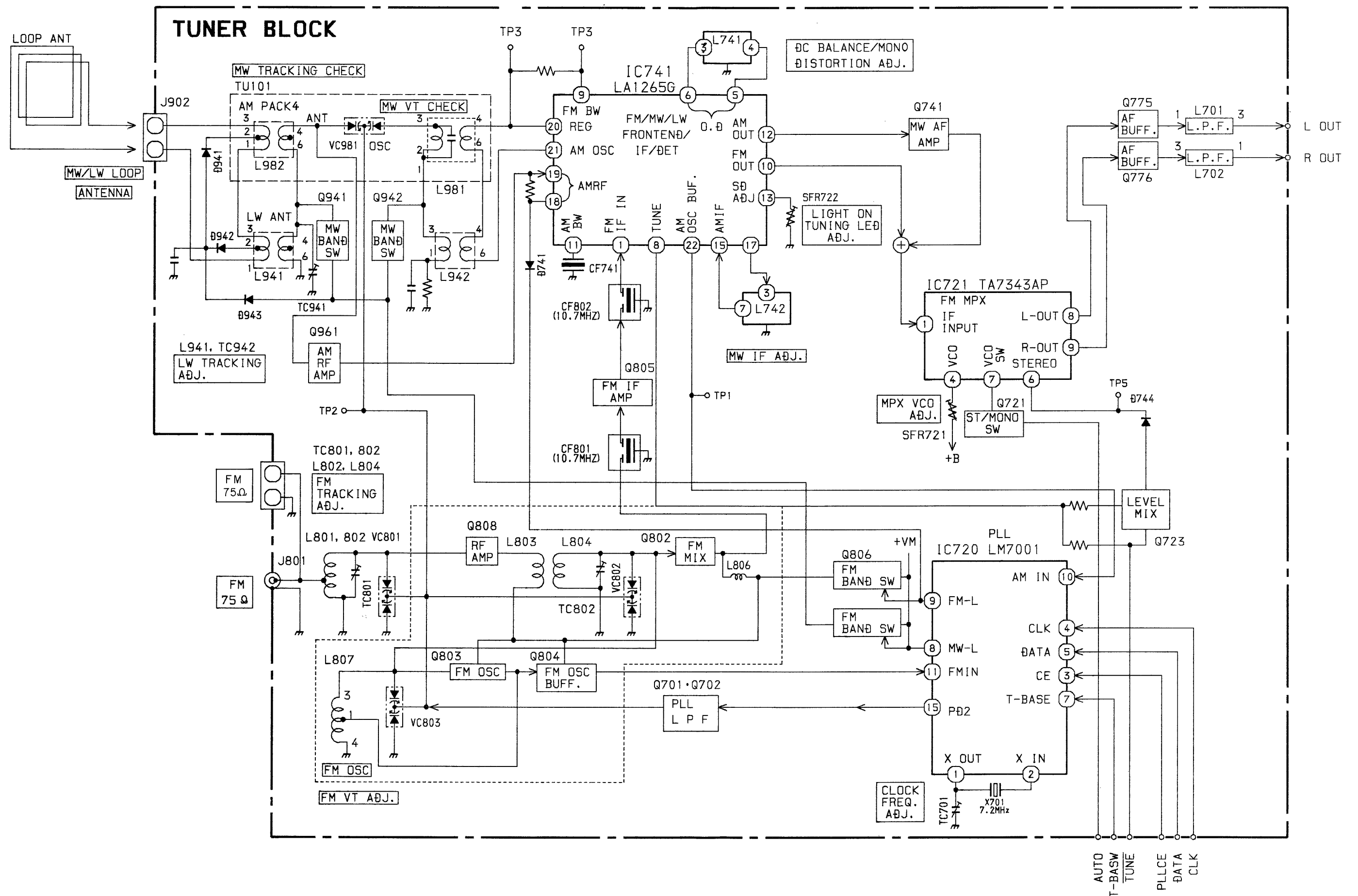


BLOCK DIAGRAM – 2 (FRONT)



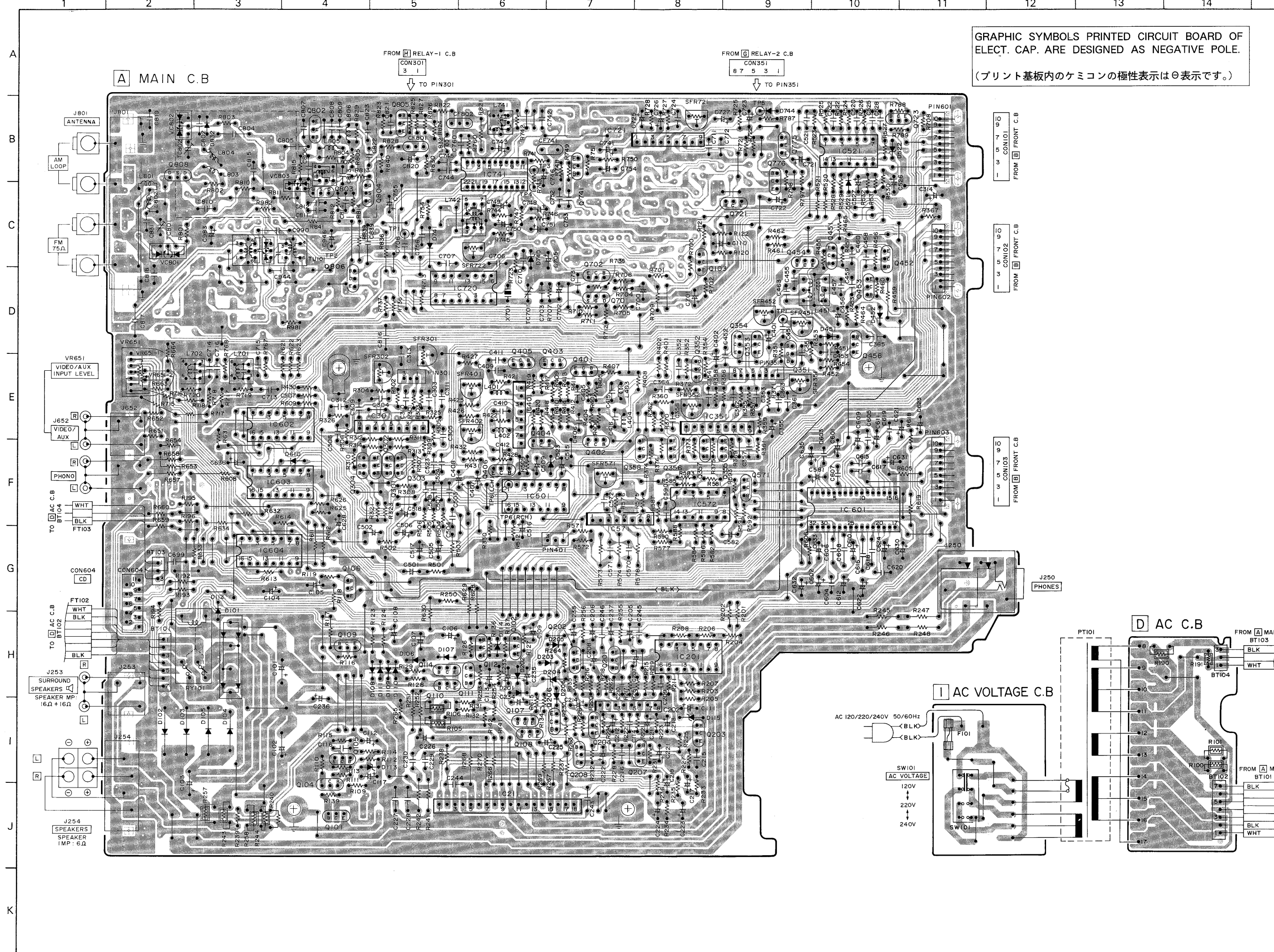
BLOCK DIAGRAM - 3 (TUNER : HE, LH)



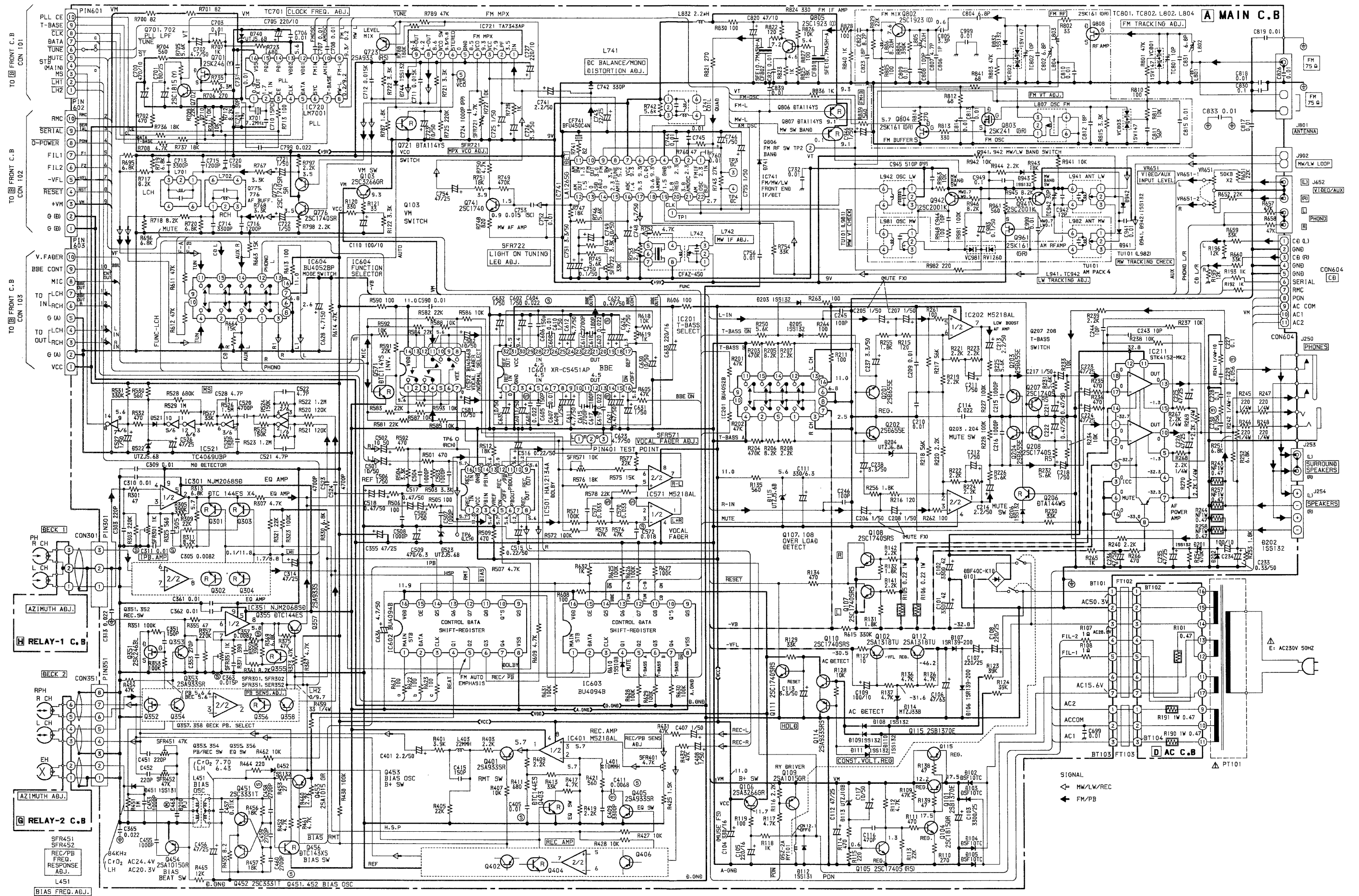


17





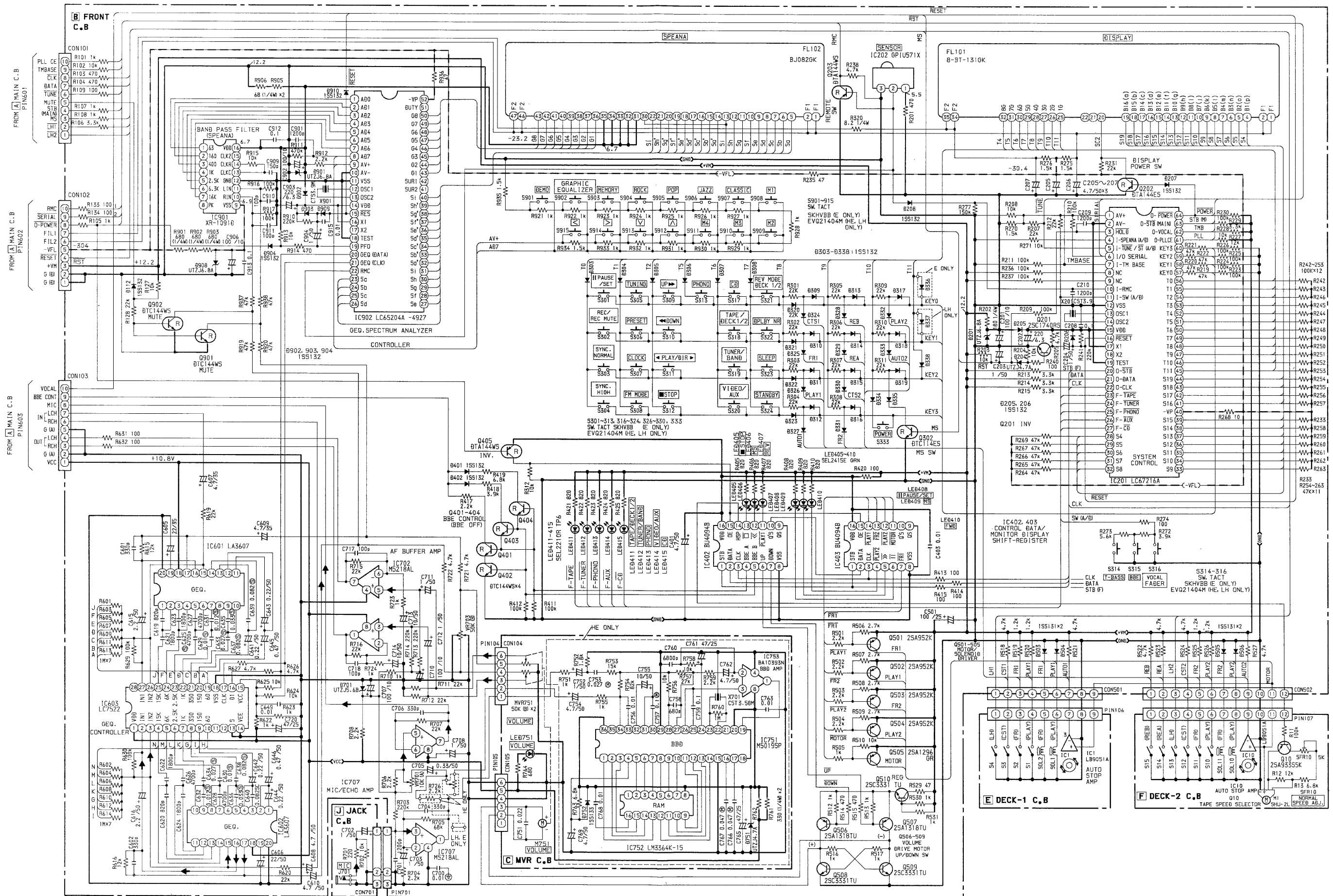
SCHEMATIC DIAGRAM - 2 (MAIN : E)

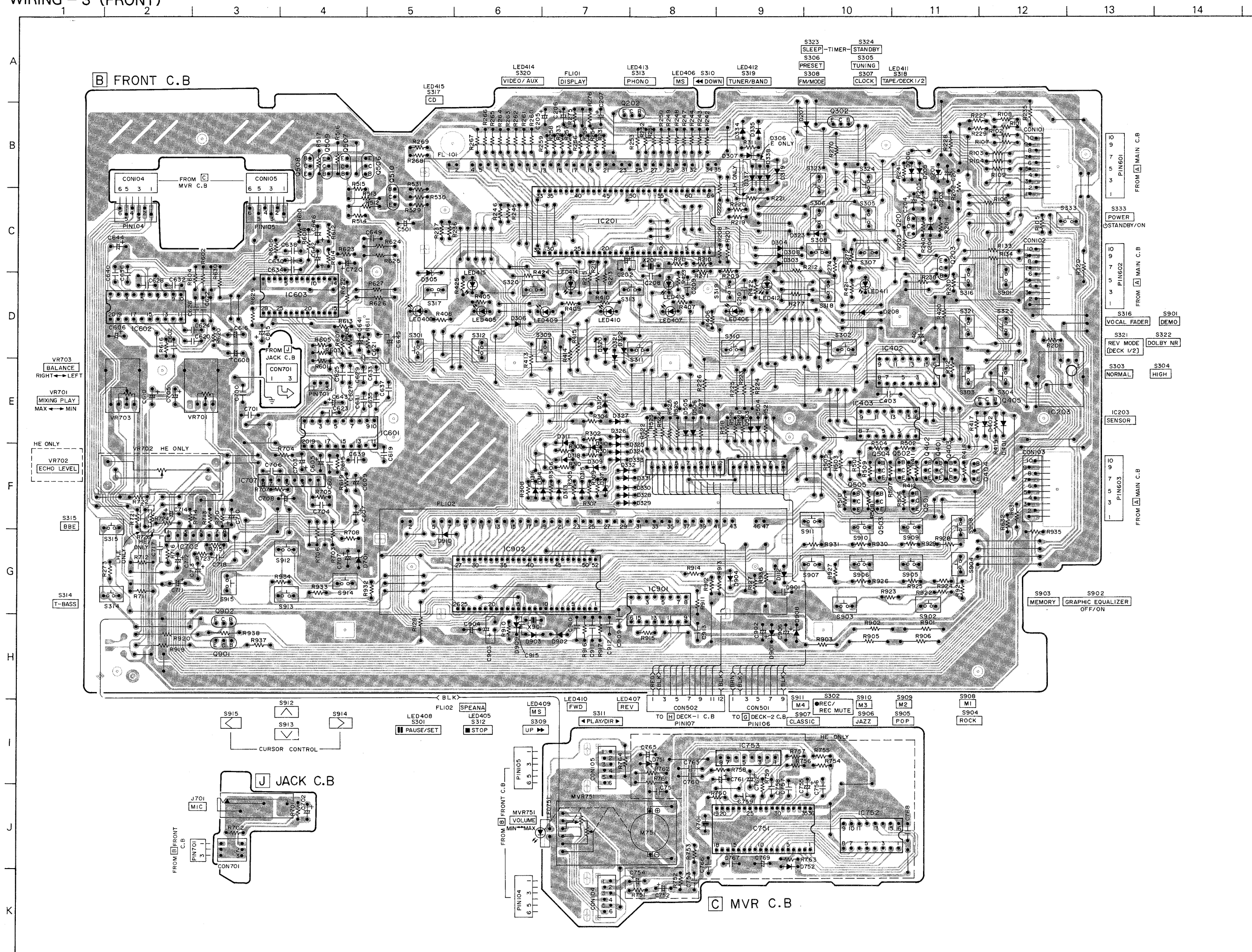


(プリント基板内のケミコンの極性表示は⊖表示です。)

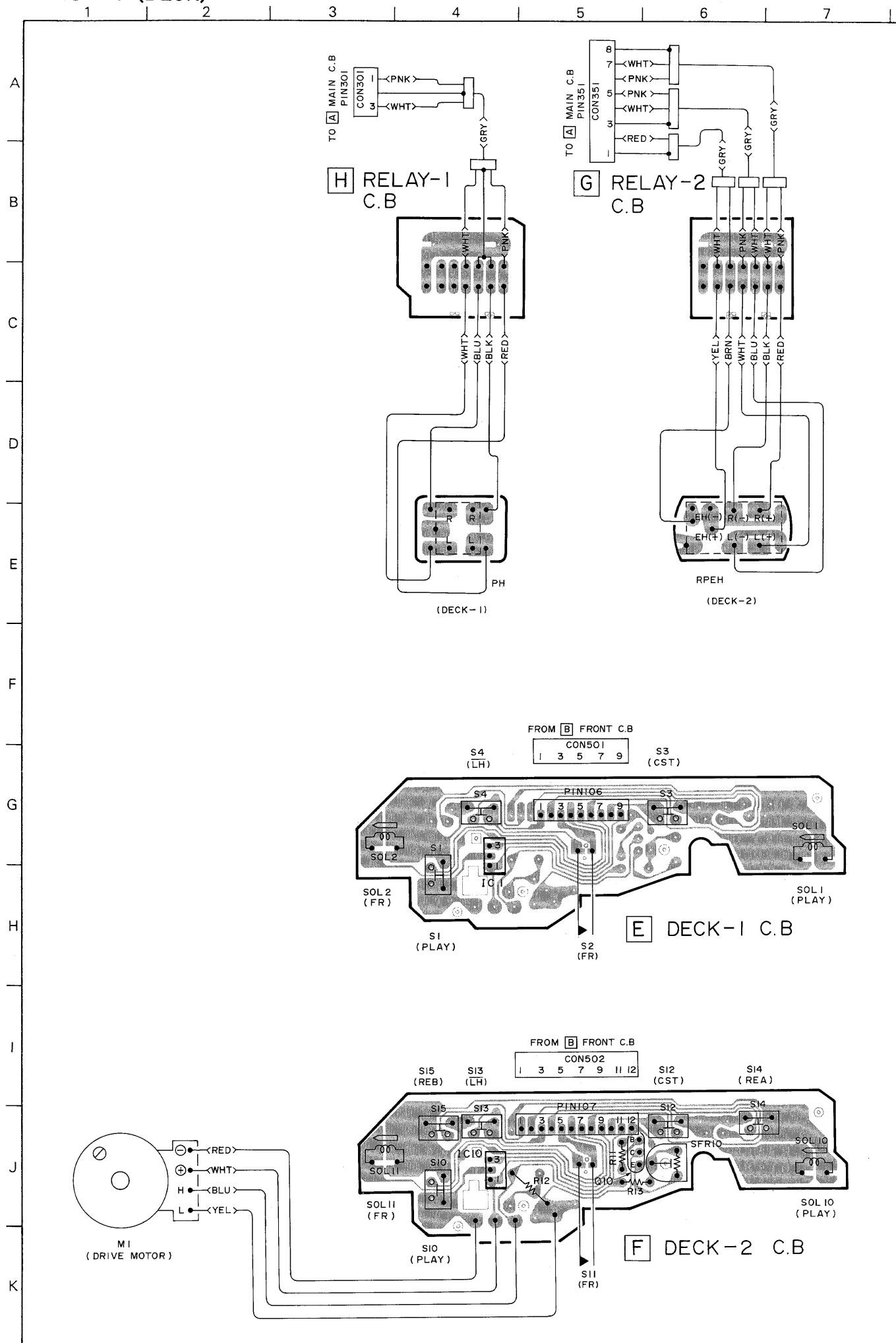


SCHEMATIC DIAGRAM - 3 (FRONT)

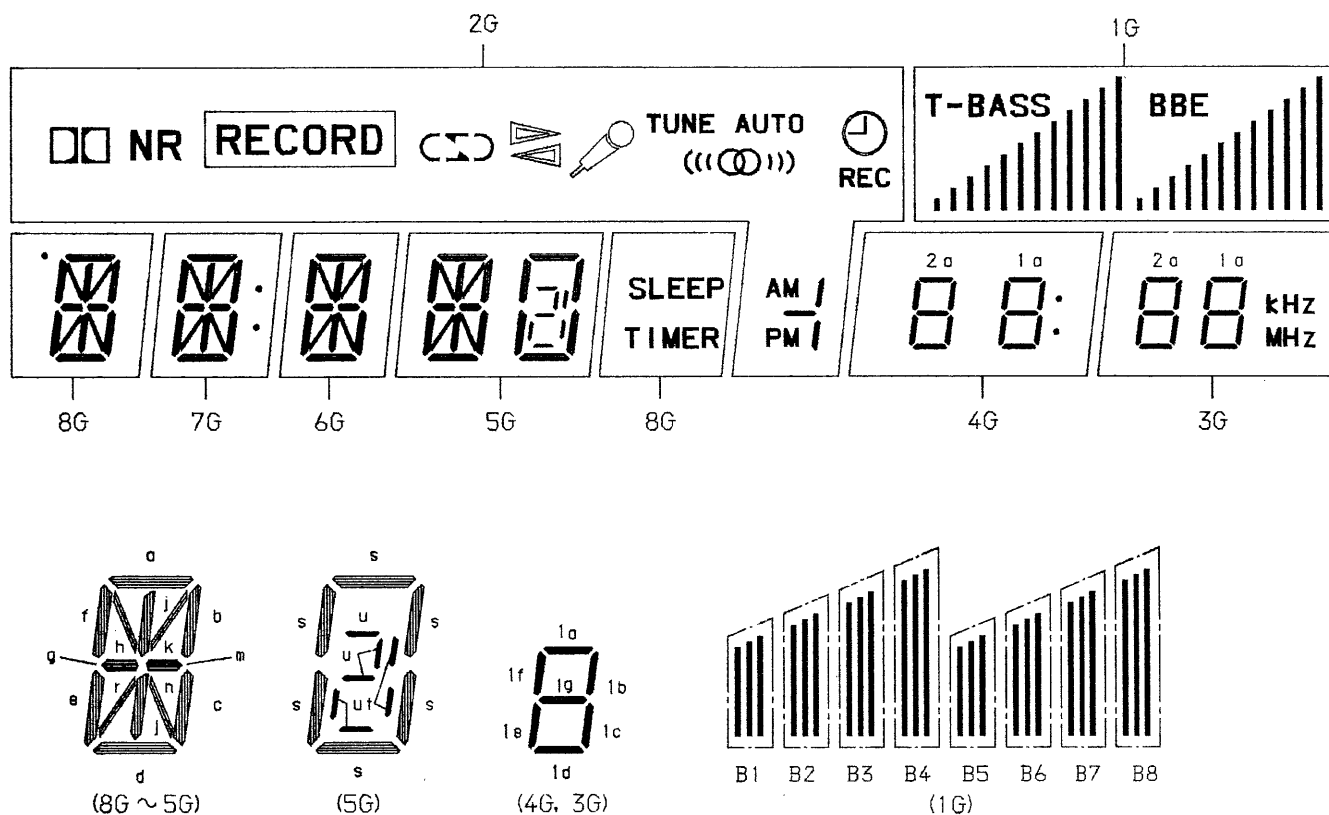




WIRING - 4 (DECK)



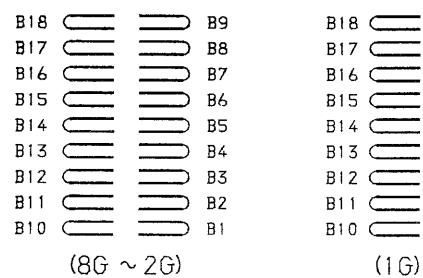
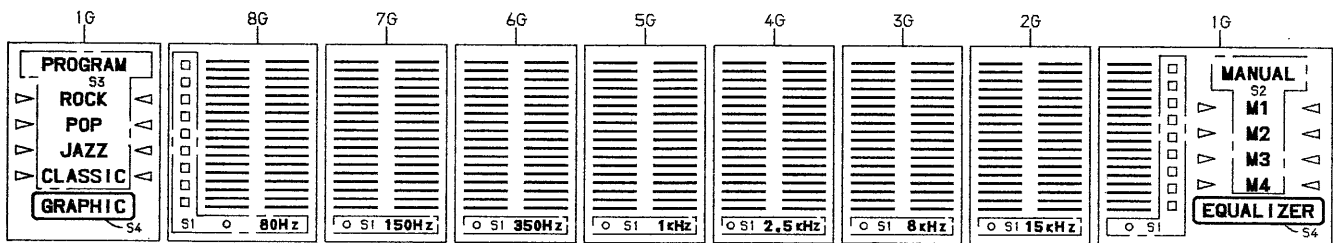
GRID ASSIGNMENT



ANODE CONNECTION

	8G	7G	6G	5G	4G	3G	2G	1G
P1	a	a	a	a	2a	2a	RECORD	—
P2	b	b	b	b	2b	2b	NR	—
P3	c	c	c	c	2c	2c	(	—
P4	d	d	d	d	2d	2d	)	—
P5	e	e	e	e	2e	2e		—
P6	f	f	f	f	2f	2f		—
P7	g	g	g	g	2g	2g		—
P8	h	h	h	h	kHz	kHz	TUNE	—
P9	j	j	j	j	1a	1a	AUTO	B1
P10	k	k	k	k	1b	1b	(()	B2
P11	m	m	m	m	1c	1c		B3
P12	n	n	n	n	1d	1d	REC	B4
P13	r	r	r	r	1e	1e	AM	B5
P14		—	—	s	1f	1f	PM	B6
P15	SLEEP	kHz	—	t	1g	1g	/	B7
P16	TIMER	kHz	—	u	kHz	kHz		B8
P17	—	—	—	—	—	—		—
P18	—	—	—	—	—	—	—	T-BASS
P19	—	—	—	—	—	—	—	BBE

GRID ASSIGNMENT

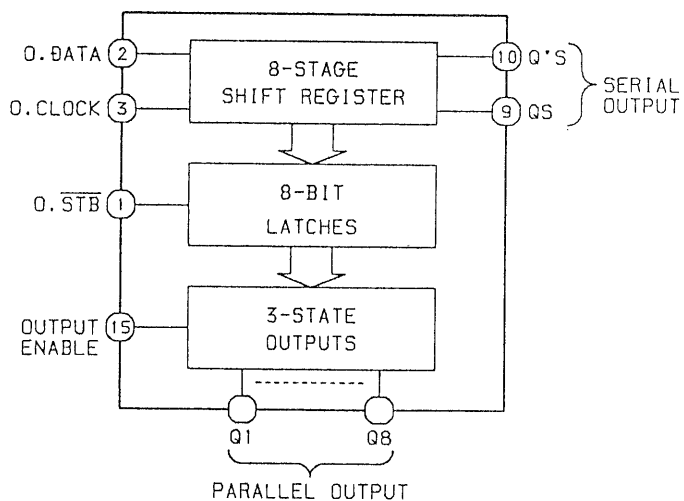


ANODE CONNECTION

	8G	7G	6G	5G	4G	3G	2G	1G
P1	B1	B1	B1	B1	B1	B1	B1	▷ (CLASSIC) ◁
P2	B2	B2	B2	B2	B2	B2	B2	▷ (JAZZ) ◁
P3	B3	B3	B3	B3	B3	B3	B3	▷ (POP) ◁
P4	B4	B4	B4	B4	B4	B4	B4	▷ (ROCK) ◁
P5	B5	B5	B5	B5	B5	B5	B5	▷ (M4) ◁
P6	B6	B6	B6	B6	B6	B6	B6	▷ (M3) ◁
P7	B7	B7	B7	B7	B7	B7	B7	▷ (M2) ◁
P8	B8	B8	B8	B8	B8	B8	B8	▷ (M1) ◁
P9	B9	B9	B9	B9	B9	B9	B9	—
P10	B10	B10	B10	B10	B10	B10	B10	B10
P11	B11	B11	B11	B11	B11	B11	B11	B11
P12	B12	B12	B12	B12	B12	B12	B12	B12
P13	B13	B13	B13	B13	B13	B13	B13	B13
P14	B14	B14	B14	B14	B14	B14	B14	B14
P15	B15	B15	B15	B15	B15	B15	B15	B15
P16	B16	B16	B16	B16	B16	B16	B16	B16
P17	B17	B17	B17	B17	B17	B17	B17	B17
P18	B18	B18	B18	B18	B18	B18	B18	B18
P19	—	—	—	—	—	—	—	S4
P20	—	—	—	—	—	—	—	S2
P21	—	—	—	—	—	—	—	S3
P22	—	—	—	—	—	—	—	EQUALIZER
P23	—	—	—	—	—	—	—	GRAPHIC
P24	S1	S1	S1	S1	S1	S1	S1	S1

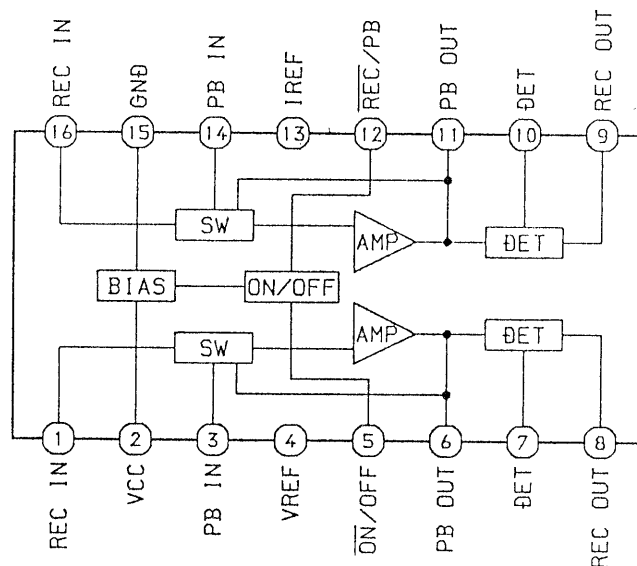
IC BLOCK DIAGRAM – 1

IC,BU4094B

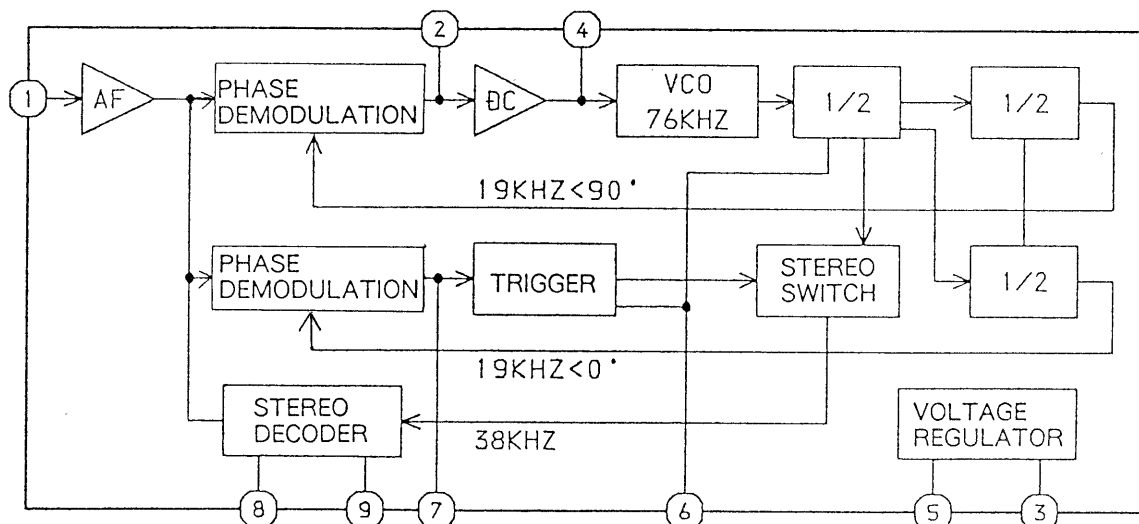


Q1: 0. BOLDY ON	Q5: 0. PLAY
Q2: 0. BOLDY C	Q6: 0. PB2
Q3: 0. EXT. REC	Q7: 0. LED
Q4: 0. INT. REC	Q8: 0. RMT

IC,HA12134A

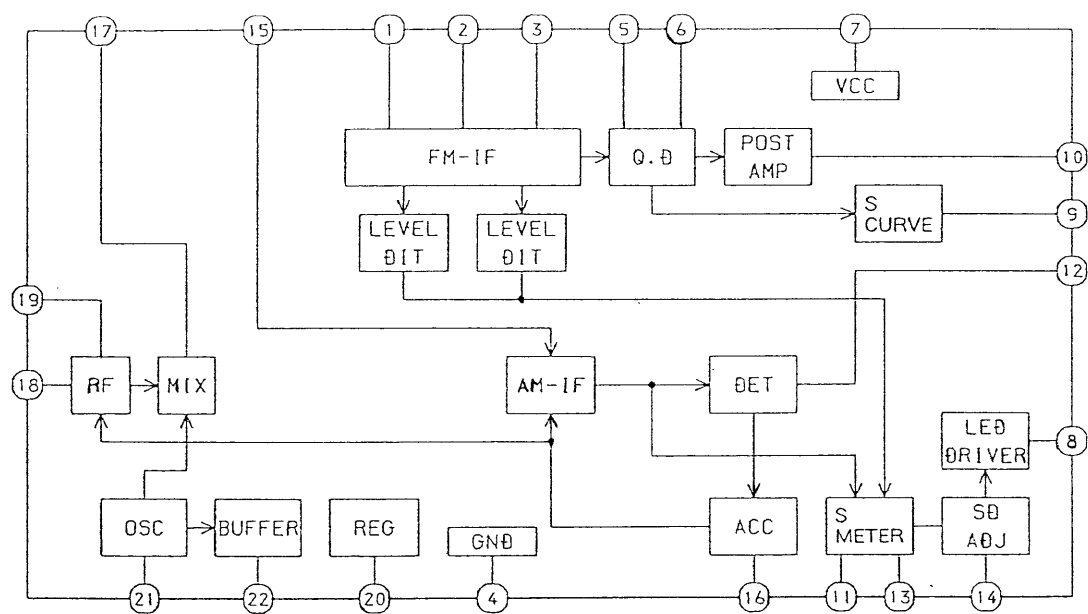


IC,TA7343AP

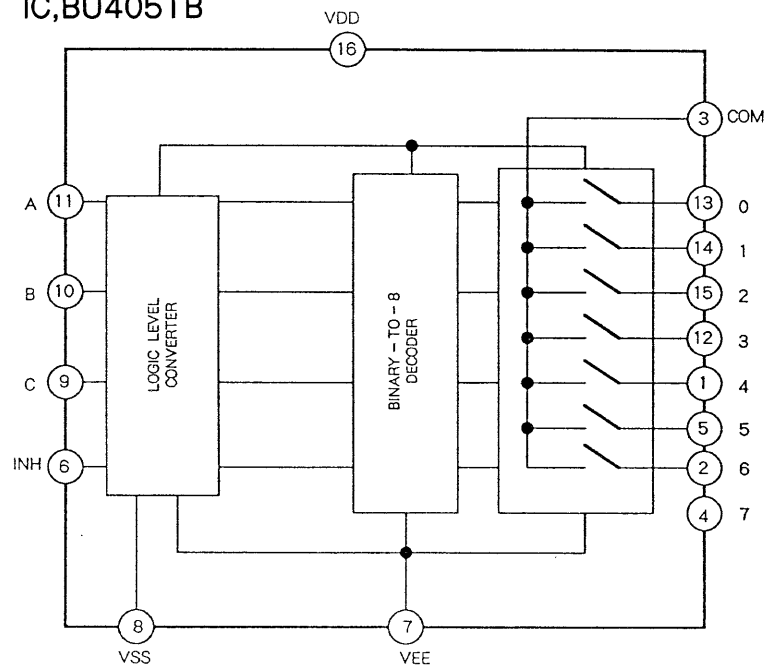


IC BLOCK DIAGRAM – 2

IC,LA1265 (S)



IC,BU4051B



TRUTH TABLE

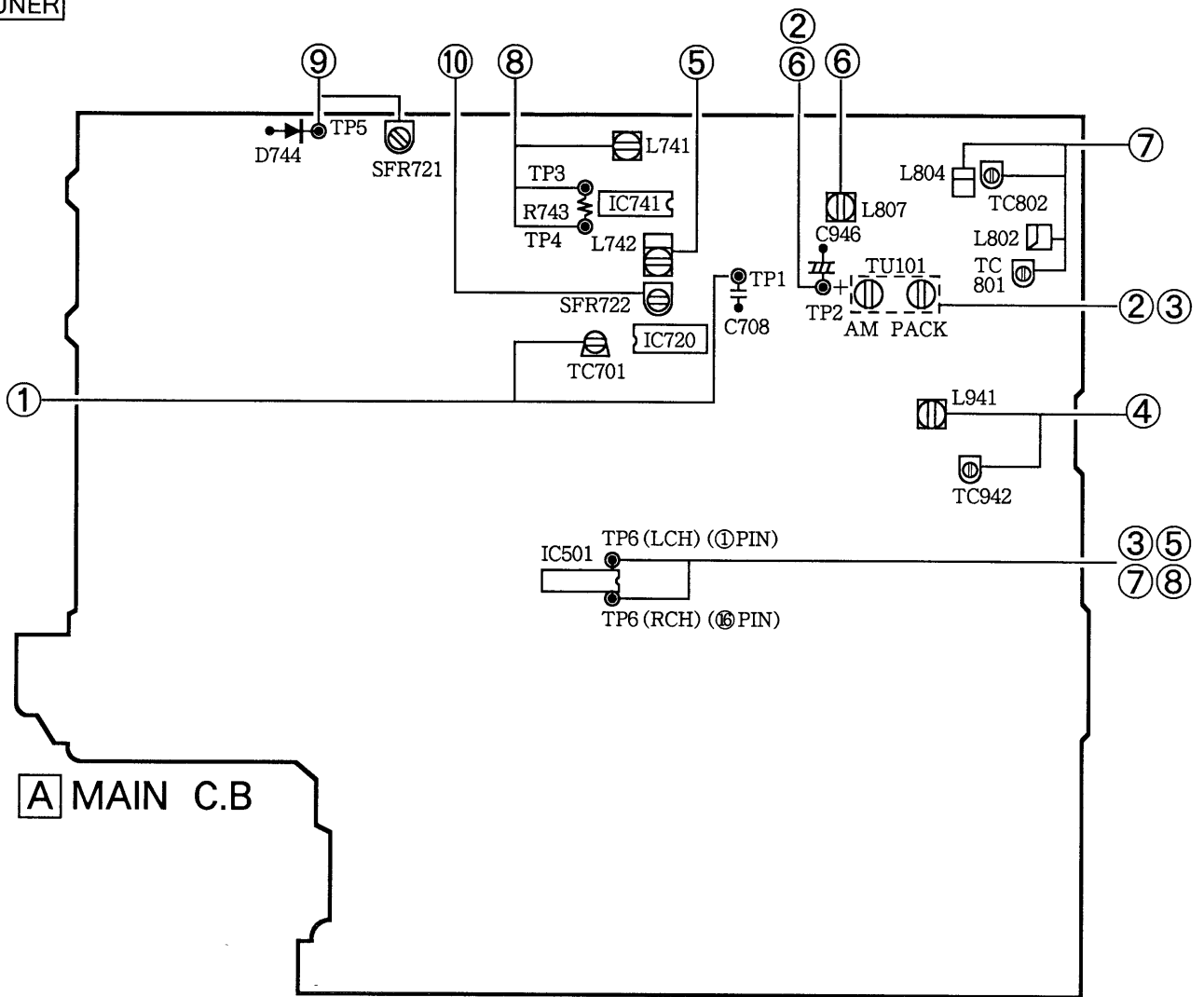
CONTROL INPUTS				"ON" CHANNEL
INHIBIT	C	B	A	
L	L	L	L	0
L	L	L	H	1
L	L	H	L	2
L	L	H	H	3
L	H	L	L	4
L	H	L	H	5
L	H	H	L	6
L	H	H	H	7
H	※	※	※	NOTE
※ Don't Care				

IC,LC7522



ADJUSTMENT – 1

TUNER



Initialized Condition

GEQ VR : OFF
BBE SW : OFF
MIC VR : Minimum
BALANCE VR : Center
MAIN VR : Variable
DOLBY NR SW : OFF
T-BASS : OFF

(TUNER SECTION)

1. Clock Frequency Adjustment

Settings : • Test point : TP1 (CLK)

• Adjustment location : TC701

Method : Set to AM (MW) 1602kHz (HE, E), 1710kHz (LH) and adjust so that the test point becomes 2052kHz $\pm$ 0.01kHz (HE, E), 2160kHz $\pm$ 0.01kHz (LH).

2. AM (MW) VT Check

Settings : • Test point : TP2 (VT)

• Adjustment location : TU101 (L981)

Method : Set to AM (MW) 1602kHz (HE, E), 1710kHz (LH) and adjust so that the test point becomes 6.0V $\pm$ 1.0V (HE, E), 7.0V $\pm$ 1.0V (LH).

3. AM (MW) Tracking Check

Settings : • Test point : TP6 (IC501, PIN ①/PIN ⑩)

Adjustment location : TU101 (L982)

Method : Set to AM (MW) 999kHz (HE, E), 1000kHz (LH) and adjust so that point become 53 $\pm$ 6dB.

4. LW Tracking Adjustment (E Model only)

Settings : • Test point : TP6 (IC501, PIN ①/PIN ⑩)

L941 144kHz

TC942 290kHz

5. AM IF Adjustment

Settings : • Test point : TP6 (IC501, PIN ①/PIN ⑩)

L742 450kHz

6. FM VT Adjustment

Settings : • Test point : TP2 (VT)

• Adjustment location : L807

Method : Set to FM 87.5MHz and adjust L807 so that the test point becomes 2.9V $\pm$ 0.05V.

7. FM Tracking Adjustment

Settings : • Test point : TP6 (IC501, PIN ①/PIN ⑩)

TC801, TC802 108MHz

L802, L804 87.5MHz

PRACTICAL SERVICE FIGURE

8. DC Balance/MONO Distortion Adjustment

Settings : • Test point : TP3, TP4 (DC balance)
TP6 (IC501, PIN ①/PIN ⑩)
(Distortion)

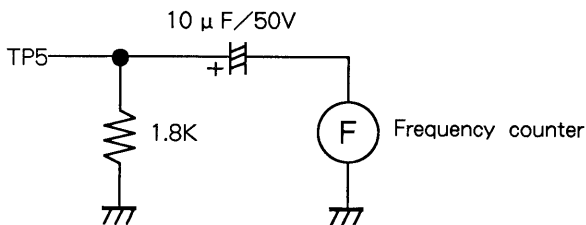
- Adjustment location : L741
- Input level : 54dB

Method : Set to FM 98.0MHz and adjust L741 so that TP3 and TP4 output becomes $0V \pm 0.02V$.
Next, adjust L741 so that the distortion becomes minimum (less than 0.9%).

9. MPX VCO Adjustment

Settings : • Test point : TP5
• MODE SW : STEREO
• Adjustment location : SFR721
• Input level : 54dB

Method : Connect a capacitor and a resistor as below.
Set to FM 98.0MHz and adjust so that the frequency at test point becomes $38kHz \pm 0.05kHz$.



10. Light on tuning LED Adjustment

Settings : • Adjustment location : SFR722
• Input level : 16dB

Method : Set to FM 98.0MHz and adjust TUNING LED to light on by SFR722. After that, LED goes out by $16 \pm 2dB$ down.

< TUNER SECTION >

< FM SECTION >

IHF Sensitivity : $2 \pm 6dB$
(THD 3%) (at 87.5, 98.0, 108.0MHz)
S/N 50dB Quieting Sensitivity : $32 \pm 5dB$
(at 87.5, 98.0, 108.0MHz)
Signal to Noise Ratio : (MONO.)
More than 67dB (at 98.0MHz)
(STEREO)
More than 64dB (at 98.0MHz)
Distortion : (MONO.)
Less than 0.9% (at 98.0MHz)
(STEREO)
Less than 1.2% (at 98.0MHz)
Stereo Separation : More than 25dB (at 98.0MHz)
Intermediate Frequency : 10.7MHz

< AM (MW) SECTION >

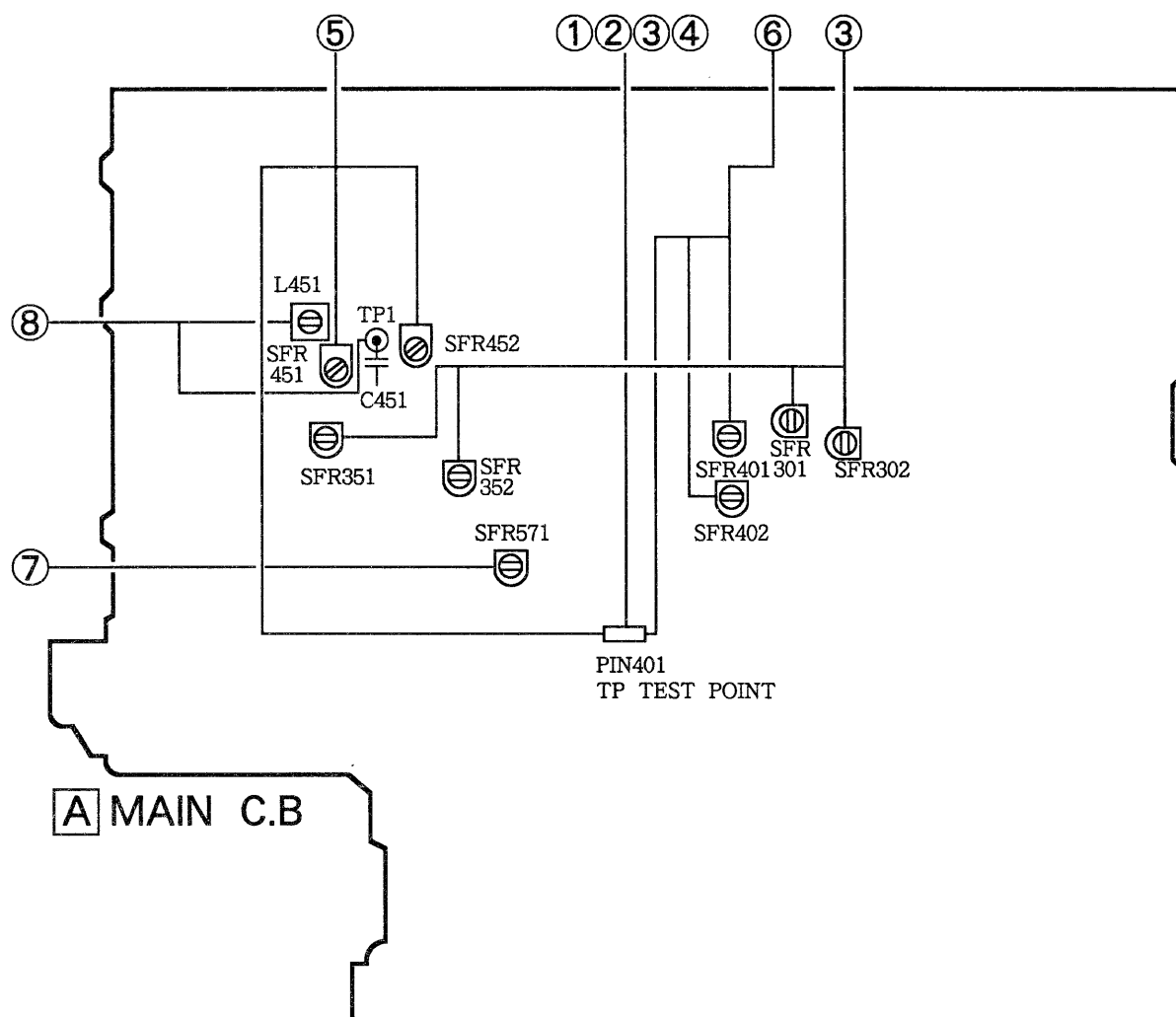
Sensitivity : $54 \pm \frac{1}{2} dB$
[at 603kHz (HE, E)]
[at 600kHz (LH)]
 $53 \pm 6dB$
[at 999/1404kHz (HE, E)]
[at 1000/1400kHz (LH)]
Distortion : Less than 1.5%
[at 999kHz (HE, E)]
[at 1000kHz (LH)]
Intermediate Frequency : 450kHz

< LW SECTION > (E Model only)

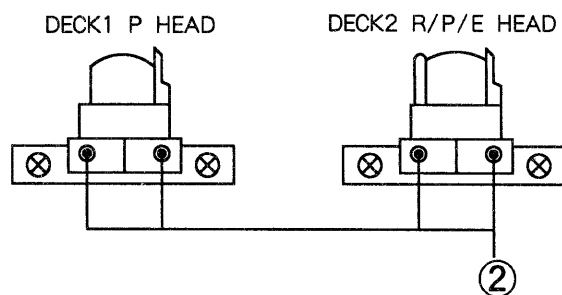
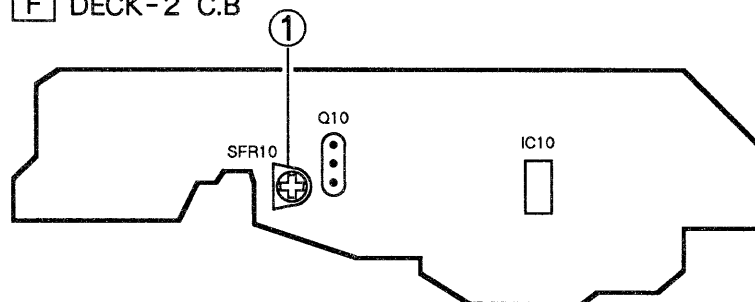
Sensitivity : $62 \pm 5dB$
(at 144kHz)
 $63 \pm 5dB$
(at 198kHz)
 $62 \pm 5dB$
(at 290kHz)
Distortion : Less than 1.5%
(at 198kHz)
Intermediate Frequency : 450kHz

ADJUSTMENT – 2

DECK



F DECK-2 C.B.



(DECK SECTION)

1. Normal Speed Adjustment (DECK-2)
Settings : • Test tape : TTA-100 (TTA-111S)
 • Test point : TP-OUT (PIN401)
 • Adjustment location : SFR10 (DECK-2)
Method : Play back the test tape, on FWD PLAY (DECK-2) adjust for $2990\text{Hz} \pm 5\text{Hz}$.
2. Head Azimuth Adjustment (DECK-1, DECK-2)
Settings : • Test tape : TTA-300 (TTA-317E, SCC-1429)
 • Test point : TP-OUT (PIN401)
 • Adjustment location : Head azimuth adjustment screw
Method : Play back the 10kHz signal of the test tape and adjust so that the output becomes maximum. Next, perform on each FWD PLAY and REV PLAY mode.
3. PB Sensitivity Adjustment (DECK-1, DECK-2)
Settings : • Test tape : TTA-200 (TCC-130, TTA-161)
 • Test point : TP-OUT (PIN401)
 • Adjustment location :
 SFR301 (DECK-1, Lch)
 SFR302 (DECK-1, Rch)
 SFR351 (DECK-2, Lch)
 SFR352 (DECK-2, Rch)
Method : Play back the test tape and adjust so that the output becomes 300mV.
4. PB Frequency Response Check (DECK-1, DECK-2)
Settings : • Test tape : TTA-300 (TTA-317E, SCC-1429)
 • Test point : TP-OUT (PIN401)
Method : Play back the 315Hz and 10kHz signals of the test tape and check the output of the 10kHz signal is $0\text{dB} \pm 2\text{dB}$ with respect to that of the 315Hz signal.
5. REC/PB Frequency Response Adjustment (DECK-2)
Settings : • Test tape : TTA-601 (TTA-119K)
 • Test point : TP-OUT (PIN401)
 • Input signal : 1kHz/10kHz (VCR/AUX IN)
 • Adjustment location : SFR451 (Lch)
 SFR452 (Rch)
Method : Apply a 1kHz signal and adjust attenuator so that the level at the TP-OUT is 210mV. Record and play back the 1kHz and 10kHz signals and adjust so that the output level of 10kHz signal is $0\text{dB} \pm 0.5\text{dB}$ for 1kHz signal.
6. REC/PB Sensitivity Adjustment (DECK-2)
Settings : • Test tape : TTA-601 (TTA-119K)
 • Test point : TP-OUT (PIN401)
 • Input signal : 1kHz (VCR/AUX IN)
 • Adjustment location : SFR401 (Lch)
 SFR402 (Rch)
Method : Apply a 1kHz signal and adjust attenuator so that the level at the TP-OUT is 21mV. Record and play back the 1kHz signal and adjust so that the output level is $21\text{mV} \pm 0.5\text{dB}$.

7. Vocal Fader Adjustment
Settings : • Test point : SP OUT
 • Adjustment location : SFR571
Method : Add a 2kHz, -16.5dB signal from AUX. Adjust SFR571 so that the voltage at test point becomes minimum.
8. Bias Frequency Adjustment (DECK-2)
Settings : • Test tape : TTA-601 (TTA-119K)
 • Test point : TP1
 • Adjustment location : L451
Method : Set DECK-2 to the record mode and adjust L451 so that the frequency at test point is $85\text{kHz} \pm 2\text{kHz}$.

PRACTICAL SERVICE FIGURE

< DECK SECTION >

PB Output Level :	$2.9\text{V} \pm 1.5\text{dB}$ (SP OUT) TTA-200 (TTA-161, TCC-130)
REC/PB Output Level :	$2.0\text{V} \pm 2.0\text{dB}$ (SP OUT) TTA-601 (TTA-119K)
Distortion (REC/PB) :	Less than 2.0% (NORMAL, CrO ₂)
Noise (PB) : (LINEAR)	Less than 130mV/200mV (DOLBY NR ON/OFF, NORMAL, VR MAX.) Less than 100mV/150mV (DOLBY NR ON/OFF CrO ₂ , VR MAX.)
Noise (REC/PB) : (WTD)	Less than 4mV/12mV (DOLBY NR ON/OFF, NORMAL) Less than 3.3mV/7.5mV (DOLBY NR ON/OFF, CrO ₂)
Erasing Ratio :	More than 60dB (TTA-601) (at 125Hz)
Channel Separation :	More than 50dB
Recording Bias Frequency :	85kHz
Wow & Flutter (W.RMS) :	Less than 0.25% (DECK-1/2) TTA-100 (TTA-111S)
Tape Speed :	$3\text{kHz} \pm 1.5\%$
Take-up Torque :	25~60g-cm (DECK-1/2)
F.F & REW Torque :	70~150g-cm (DECK-1/2)
Back Tension :	2~6g-cm (DECK-1/2)
Test Tape :	NORMAL : TTA-601 (TTA-119K) CrO ₂ : TTA-610 (TTA-119H)

IC DESCRIPTION

IC,LC65204A – 4927 (GEQ SPECTRUM ANALAYZER CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 } 8	AD0 } AD7	I	Spectrum analyzer control input terminal.
9	AV+	I	A/D converter reference voltage(positive).
10	AV-	I	A/D converter reference voltage(negative).
11	VSS	—	GND
12 13	OSC1 OSC2	—	3.9MHz oscillation circuit.
14	VDD	—	Power supply.
15	$\overline{RES}$	I	Reset input.
16	X1	—	It is connected to VDD.
17	X2	—	Not used.
18	TEST	—	It is connected to GND.
19	PFO	O	Power ON/OFF control.
20	GEQ (DATA)	O	Serial data for the shift register GEQ IC.
21	GEQ (CLK)	O	Serial data clock signal for the shift register GEQ IC.
22	RMC	I	Remote control input terminal.
23 } 40	SA } SI	O	FL display segment output.
41 42	SUR2 SUR1	—	Not used.
43 } 50	G1 } G8	O	FL display digit output.
51	DUTY	—	Not used.
52	-VP	I	FL display power(negative).

IC,LC67216A – 4965

Pin No.	Pin Name	I/O	Description
1	AV+	I	A/D converter reference voltage (positive).
2	AV-	I	A/D converter reference voltage (negative).
3	HOLD	I	When the AC power is not supplied and the input is "L", the controller is held. (clock stop and memory maintain)
4	I-SPEANA (A/D)	I	Analog input for the spectrum analyzer.
5	I-TUNE/ST (A/D)	I	Signal input while the tuner is receiving signals and the stereo system signal.
6	I/O-SERIAL	I/O	Serial data.
7	I-TM BASE	I	Time base (8Hz) input for the clock.
8	NC	—	Not used.
9	NC	—	Not used.
10	I-RMC	I	Remote control signal.
11	I-SW (A/D)	—	Connected to AUT.
12	VSS	—	GND
13	OSC 1	—	3.9 MHz oscillation circuit.
14	OSC 2	—	
15	VDD	—	Power supply.
16	RESET	I	Reset input.
17	X1	—	Sub clock terminal (It is connected to VDD).
18	X2	—	Sub clock terminal (Not used).
19	TEST	—	It is connected to GND.
20	O-STB (FRONT)	O	Shift register (BU4094B) strobe signal (PWB and FRONT).
21	O-DATA	O	Serial data for the shift register PLL IC.
22	O-CLK	O	Serial data clock signal for the shift register PLL IC.
23	F-TAPE	O	Function LED. TAPE
24	F-TUNER	O	Function LED. TUNER
25	F-PHONO	O	Function LED. PHONO
26	F-AUX	O	Function LED. AUX
27	F-CD	O	Function LED. CD
28 { 39	S4 } S15	O	FL display segment output.
40	-VP	I	FL display power (negative).
41 { 44	S16 } S19	O	FL display segment output.
45 { 56	T11 } T0	O	FL display digit output.
57 { 60	KEY 0 } KEY 3	I	Key matrix data input.

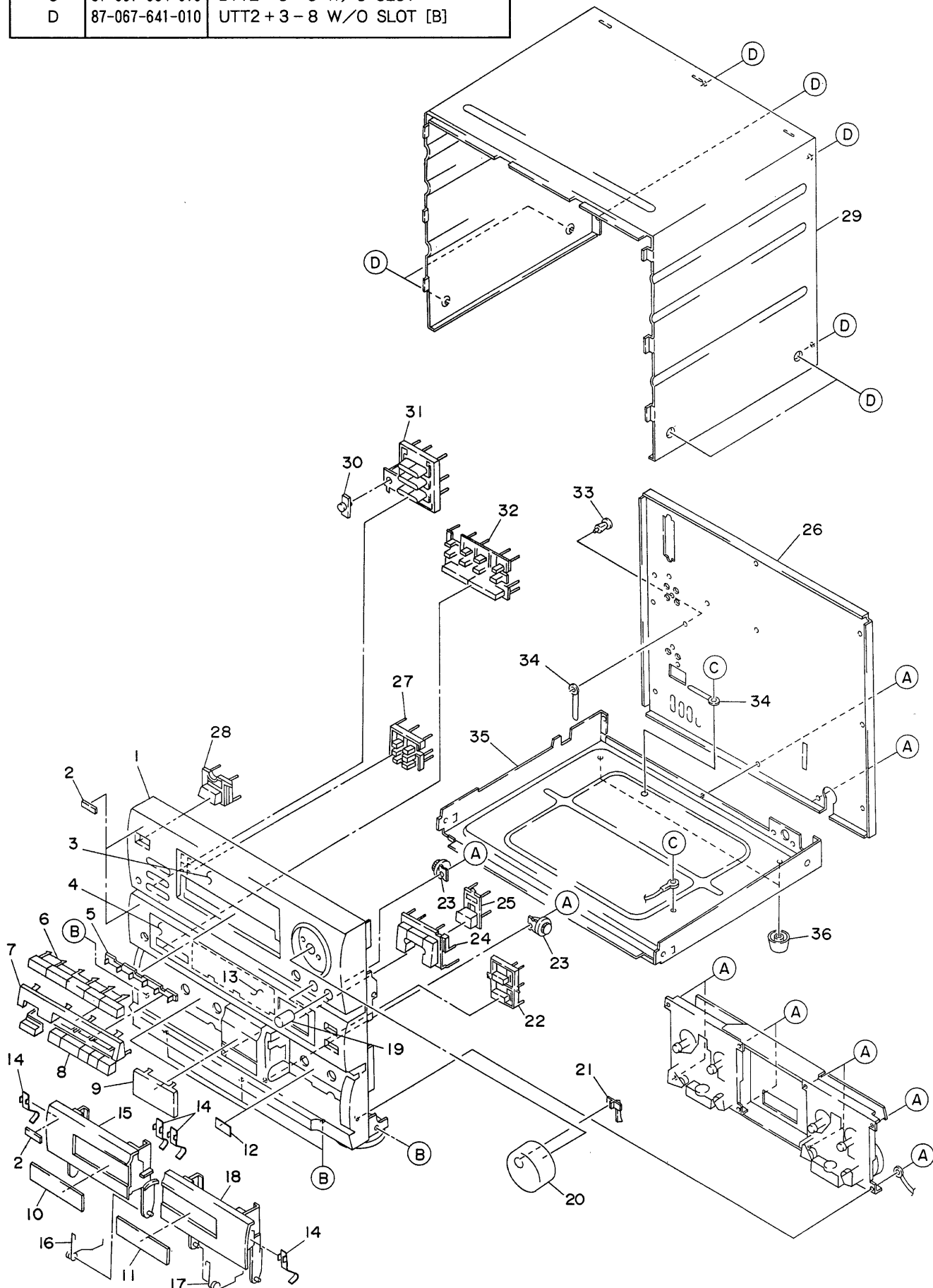
P i n N o .	P i n N a m e	I / O	D e s c r i p t i o n
6 1	O - P L L C E	O	PLL IC chip enable output for the tuner.
6 2	O - V O C A L	O	Vocal control output.
6 3	O - S T B (M A I N)	O	Shift register (BU4094B) strobe signal (PWB and MAIN).
6 4	O - P O W E R	O	Power ON/OFF control.

IC, LM7001

P i n N o .	P i n N a m e	I / O	D e s c r i p t i o n
1 2	X - O U T X - I N	—	Connected to the crystal logic oscillator.
3 4 5	C E C L K D A T A	I	Signal is transmitted from the CPU (microcomputer) by operating the key. Active "H".
6	S Y C	—	OPEN
7	T - B A S E	O	8 Hz output terminal for the clock.
8	M W - L	O	"L" level is output when receiving MW.
9	F M - L	O	"L" level is output when receiving FM.
1 0	A M I N	I	AM station oscillation signal input terminal.
1 1	F M I N	I	FM station oscillation signal input terminal.
1 2 1 3	V D D 1 V D D 2	—	Power terminal. 5.6 V
1 4	P D 1	—	OPEN.
1 5	P D 2	O	PLL charge pump output terminal.
1 6	V S S	—	GND terminal.

EXPLODED VIEW – 1

REF. NO.	PART NO.	DESCRIPTION
A	87-067-703-010	BVT2 + 3 – 10 W/O SLOT
B	87-591-094-410	QIT + 3 – 6
C	87-067-584-010	BVT2 + 3 – 6 W/O SLOT
D	87-067-641-010	UTT2 + 3 – 8 W/O SLOT [B]

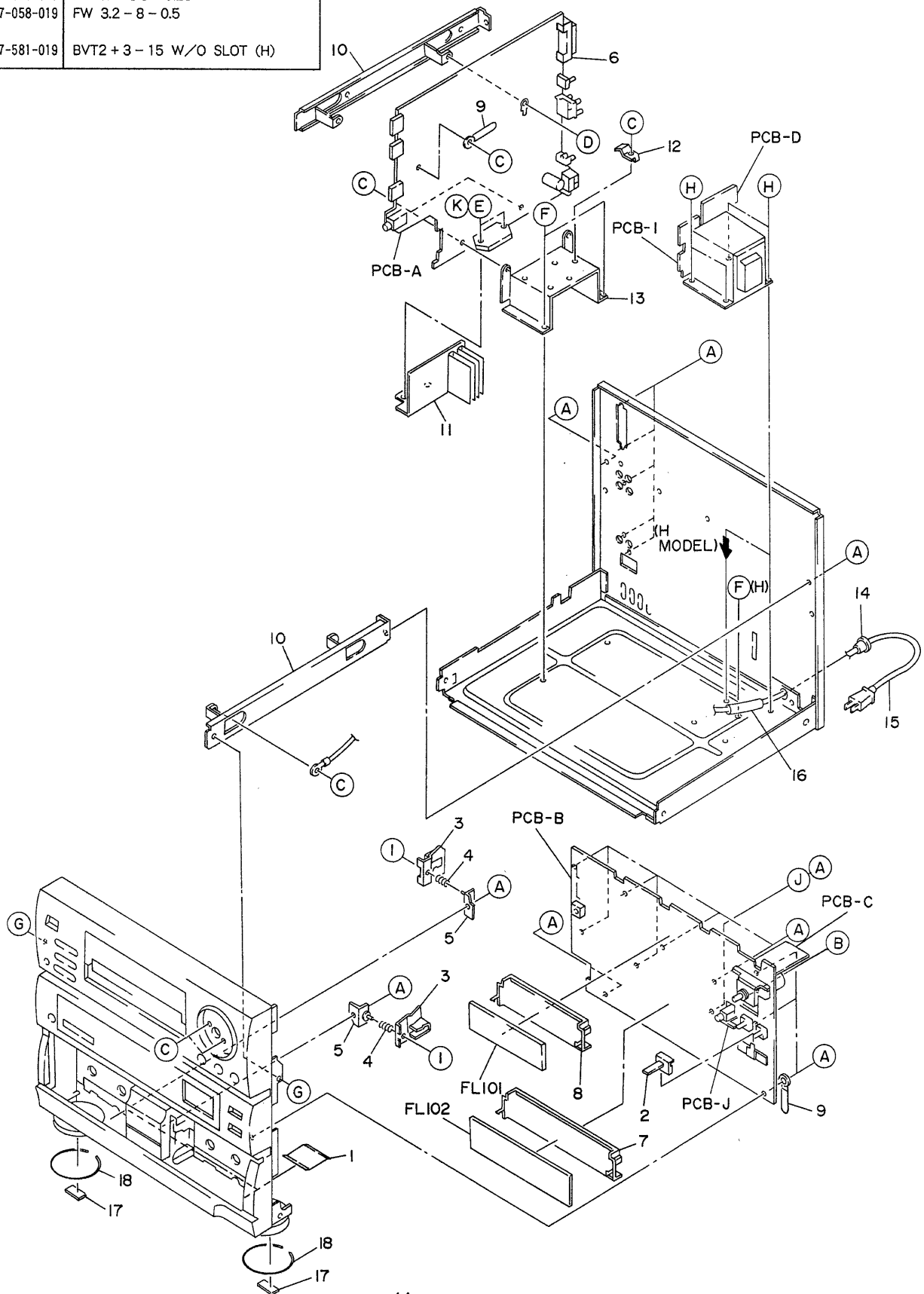


MECHANICAL PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	1-1	★82-MK2-001-119	CABINET, FRONT (HE)	※	1
	1-1	★82-MK2-012-119	CABINET, FRONT (LH)	※	1
	1-1	★82-MK2-003-119	CABINET, FRONT (E)	※	1
	1-2	★81-DS1-011-019	BADGE, AIWA		3
	1-3	★82-MA2-008-119	WINDOW, AMP		1
	1-4	★82-MA2-009-119	WINDOW, GE		1
	1-5	★82-MA2-025-019	INDICATION, PLAY		1
	1-6	★82-MA2-014-010	KEY, FUN		1
	1-7	★82-MA2-007-019	PANEL, AMP		1
	1-8	★82-MK3-011-019	KEY, PLAY		1
	1-9	★82-MA2-010-019	WINDOW, DECK		1
	1-10	★82-MA2-011-019	WINDOW, BOX 1		1
	1-11	★82-MA2-038-019	WINDOW, BOX 2		1
	1-12	★81-532-080-019	LABEL, CASSETTE - COMPT		2
	1-13	★82-MA2-210-019	SHEET, GE 2		1
	1-14	★81-MX4-223-019	P - SPRING, CASSETTE		4
	1-15	★82-MA2-003-019	BOX, CASSETTE 1		1
	1-16	★81-MK1-202-019	T - SPRING, EJECT 1		1
	1-17	★81-MK1-203-019	T - SPRING, EJECT 2		1
	1-18	★82-MA2-004-019	BOX, CASSETTE 2		1
	1-19	★82-MA2-024-019	KNOB, MIC		2
	1-20	★82-MA2-023-019	KNOB, VOLUME		1
	1-21	★82-MA2-026-019	INDICATION, VOLUME		1
	1-22	★82-MA2-021-019	KEY, BBE		1
	1-23	★87-063-143-010	DAMPER, OIL 75		2
	1-24	★82-MA2-019-019	KEY, UP		1
	1-25	★82-MA2-020-019	KEY, DOWN		1
	1-26	★82-MK2-008-119	PANEL, REAR (HE)	※	1
	1-26	★82-MK2-009-119	PANEL, REAR (LH)	※	1
	1-26	★82-MK2-005-119	PANEL, REAR (E)	※	1
	1-27	★82-MA2-013-019	KEY, TU		1
	1-28	★82-MA2-016-019	KEY, POWER		1
	1-29	★82-MK3-003-019	CABINET, STEEL		1
	1-30	★82-MA2-037-019	LENS, SENSOR		1
	1-31	★82-MA2-017-019	KEY, DOLBY		1
	1-32	★82-MA2-018-019	KEY, GE		1
	1-33	★87-084-077-019	RIVET, NYLON DIA 3.5 - 4.5		1
	1-34	---	BINDER, WIRE		2
	1-35	★85-MK1-201-519	CHASSIS, MAIN (HE, LH)		1
	1-35	★89-MK1-215-518	CHASSIS, MAIN (E)		1
	1-36	★87-085-224-010	FOOT, H17		2

EXPLODED VIEW – 2

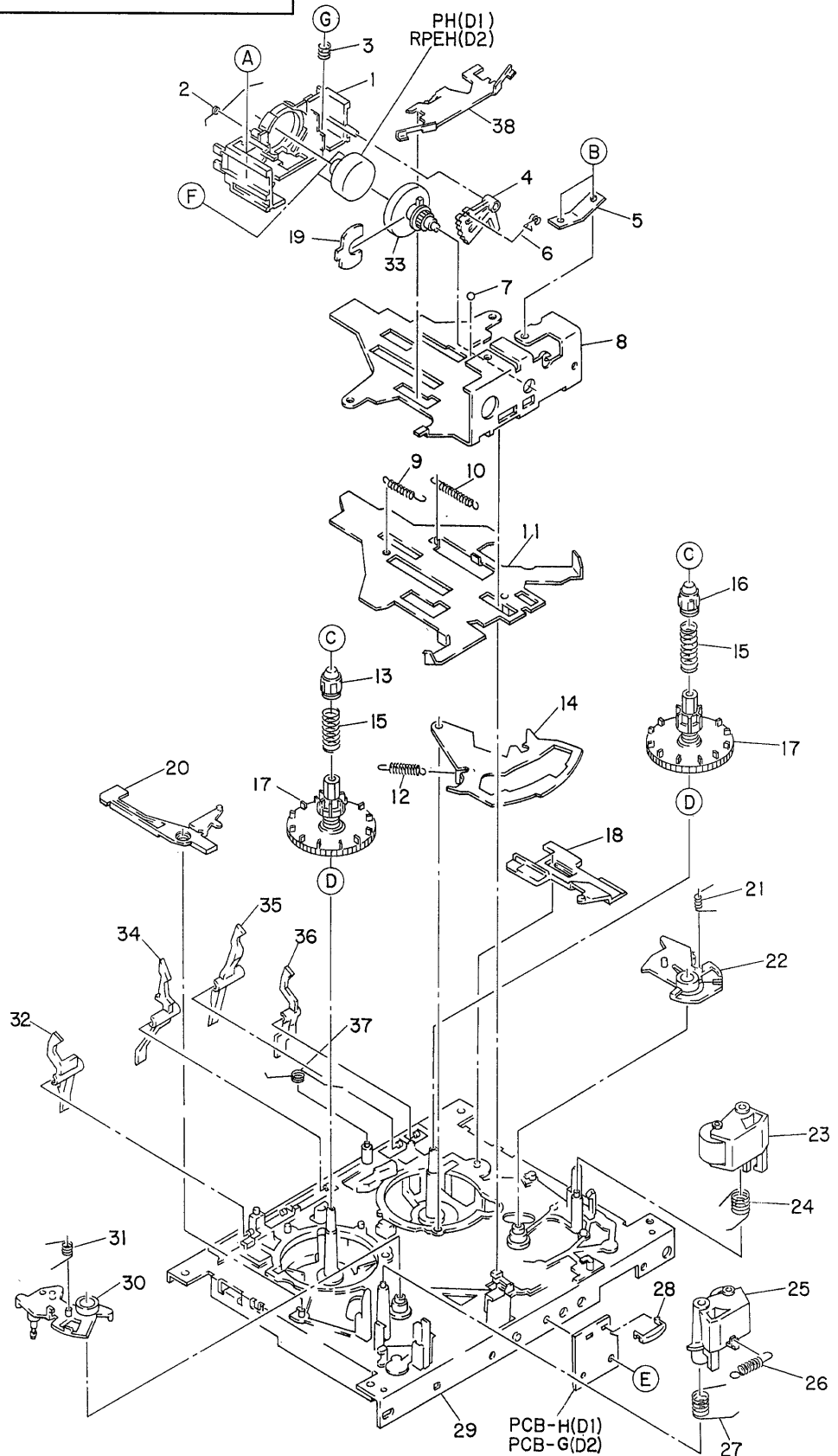
REF. NO.	PART NO.	DESCRIPTION
A	87-067-703-010	BVT2 + 3 – 10 W/O SLOT
B	81-MK1-210-010	S – SCREW BFT2 + 3 – 16
C	87-067-579-010	BVT2 + 3 – 8 W/O SLOT
D	87-067-633-010	BVT2 + 3 – 8 W/CONVEX
E	87-067-698-010	BVT2 + 3 – 18 W/O SLOT (E)
F	87-067-584-010	BVT2 + 3 – 6 W/O SLOT
G	87-591-094-410	QIT + 3 – 6
H	87-067-585-010	BVTT + 4 – 6
I	87-081-808-019	PW1.7 – 3.5 – 0.25
J	87-067-058-019	FW 3.2 – 8 – 0.5
K	87-067-581-019	BVT2 + 3 – 15 W/O SLOT (H)



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	2-1	★82-MA2-214-019	SHIELD, SHEET		2
	2-2	★82-MA2-036-019	KNOB, SLIDE (HE)		1
	2-3	★81-715-214-210	PLATE, LOCK		2
	2-4	★81-715-234-019	C - SPRING, LOCK PLATE		2
	2-5	---	HOLDER LOCK ASSY		2
	2-6	★81-653-638-119	EARTH, ANTENNA TERMINAL (HE, LH)		1
	2-6	★81-653-648-019	EARTH, ANTENNA TERMINAL PAL (E)		1
	2-7	★82-MA2-203-019	GUIDE, FL2		1
	2-8	★81-DS2-204-119	GUIDE, FL		1
	2-9	---	BINDER, WIRE		2
	2-10	---	HOLDER, P.C.B		2
	2-11	★82-MK2-201-018	HEAT SINK (E)	※	1
	2-12	---	HOLDER, IC		1
	2-13	★82-MA2-204-119	HEAT SINK (HE, LH)		1
	2-13	★82-MA2-209-118	HEAT SINK (E)		1
	2-14	★87-085-185-010	BUSHING, AC CORD (HE, E)		1
	2-14	★87-085-184-010	BUSHING, AC CORD (LH)		1
	2-15	★82-187-797-019	CORD, AC (HE)		1
	2-15	★87-034-749-019	CORD, AC (LH)		1
	2-15	★87-050-016-018	CORD, AC (E)		1
	2-16	★87-830-818-019	TUBE, UL DIA 8 - 180 (H)		1
	2-17	★81-VW1-201-019	FELT 20 - 15 - 2		2
	2-18	★81-VW1-015-010	RING, FOOT		2

EXPLODED VIEW - 3

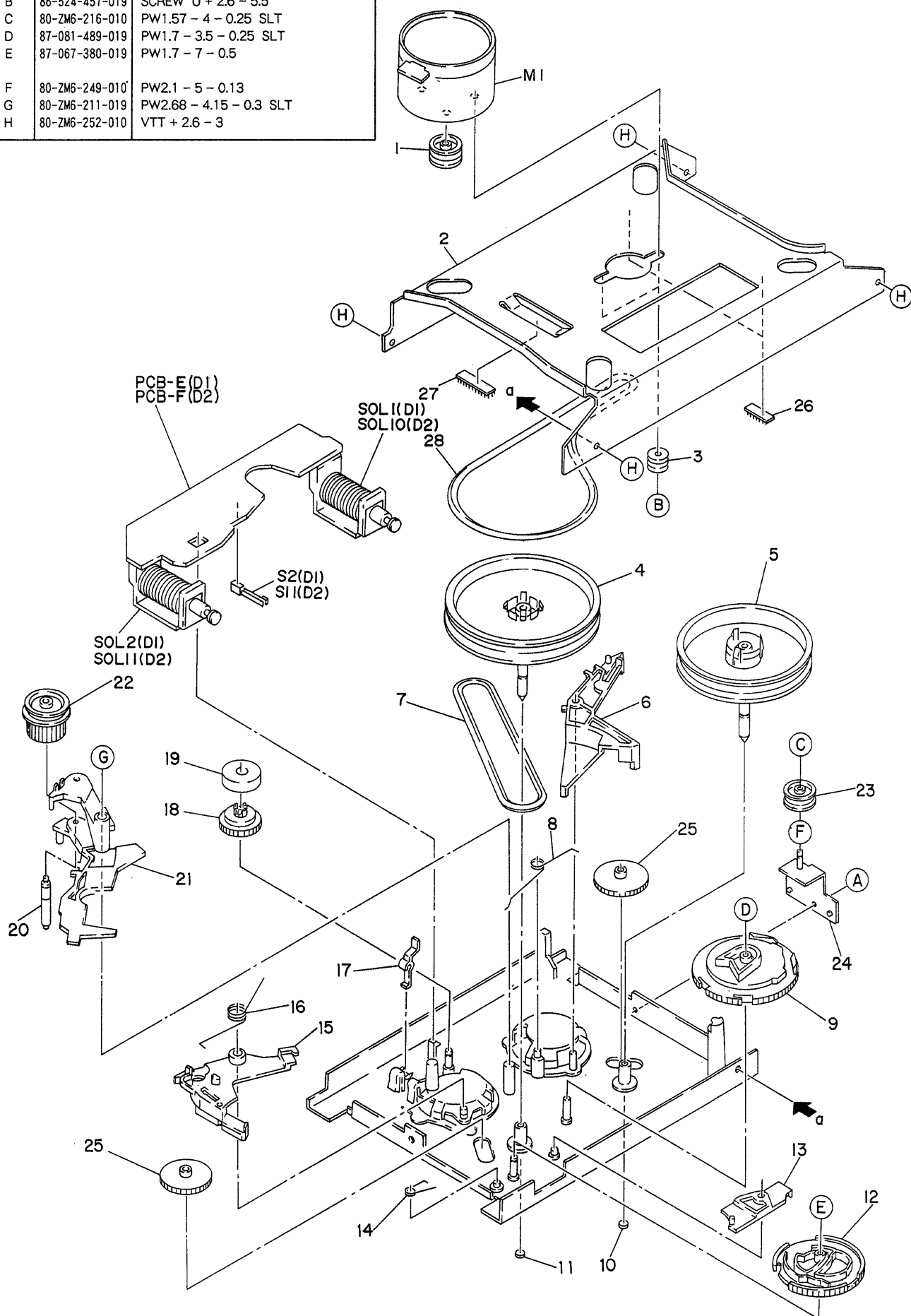
REF. NO.	PART NO.	DESCRIPTION
A	87-263-033-119	V + 2 - 4
B	80-ZM6-251-019	S - SCREW AZIMUTH 2
C	86-524-418-019	SCREW VFT2 + 1.4 - 5
D	87-067-825-010	PW4.1 - 6.9 - 0.25
E	87-067-174-019	SCREW VTT + 2 - 4
F	80-ZM6-207-019	V + 1.6 - 7
G	86-575-363-210	S - SCREW V + 2 - 8



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	3-1	★86-575-288-510	GUIDE, TAPE		1
	3-2	★86-575-310-219	T – SPRING, HEAD		1
	3-3	★86-541-318-119	C – SPRING, AZIMUTH		1
	3-4	★86-575-290-310	GEAR, SEGMENT		1
	3-5	★86-575-343-110	P – SPRING, AZIMUTH 2		1
	3-6	★80-ZM6-229-110	T – SPRING, GEAR SEG 2		1
	3-7	★87-073-018-019	BALL, STEEL 1.588		1
	3-8	★86-575-311-410	CHASSIS, HEAD		1
	3-9	★80-ZM6-268-019	E – SPRING, SLIDE 3		1
	3-10	★86-575-226-019	E – SPRING, CHASSIS HEAD		1
	3-11	★86-535-215-410	SLIDE PLATE ASSY		1
	3-12	★86-535-284-119	E – SPRING, LEVER DIRECTION		1
	3-13	★86-524-218-219	STOPPER, REEL TABLE S		1
	3-14	★86-535-218-310	DIRECTION LEVER ASSY		1
	3-15	★86-535-293-019	C – SPRING, REEL TABLE		2
	3-16	★86-524-223-219	STOPPER, REEL TABLE T		1
	3-17	★80-ZM6-254-110	REEL GEAR ASSY L		2
	3-18	★86-575-345-210	LEVER, SWITCH 2		1
	3-19	★86-575-305-010	PLATE, HOUSING		1
	3-20	★86-535-242-210	LEVER, EJECT L		1
	3-21	★86-535-282-019	T – SPRING, PLAY GEAR F		1
	3-22	★86-535-238-310	LEVER, PLAY F		1
	3-23	86-535-226-310	PINCH LEVER ASSY F		1
	3-24	★86-575-222-110	T – SPRING, PINCH F		1
	3-25	86-535-228-410	PINCH LEVER ASSY R		1
	3-26	★86-575-339-019	E – SPRING, PINCH 22		1
	3-27	★86-575-341-110	T – SPRING, PINCH L		1
	3-28	★86-575-342-010	HOLDER, WIRE 2		1
	3-29	★80-ZM6-201-810	MECHANISM CHASSIS ASSY		1
	3-30	★86-535-239-110	LEVER, PLAY R		1
	3-31	★86-535-283-019	T – SPRING, PLAY GEAR R		1
	3-32	★86-575-322-110	LEVER, REC A (D2)		1
	3-33	★86-575-306-910	HOLDER, HOUSING		1
	3-34	★86-575-324-310	LEVER, CASSETTE		1
	3-35	★86-575-327-210	LEVER, CROM		1
	3-36	★86-575-323-010	LEVER, REC B (D2)		1
	3-37	★80-ZM6-206-019	T – SPRING, CASSETTE		1
	3-38	★86-575-347-110	P – SPRING, HEAD 2		1

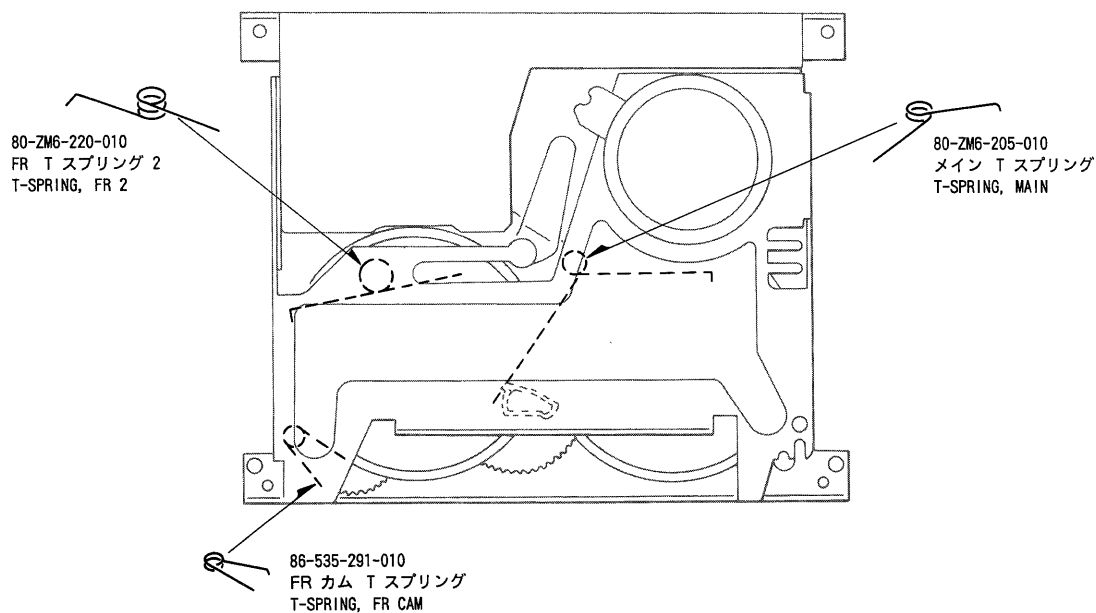
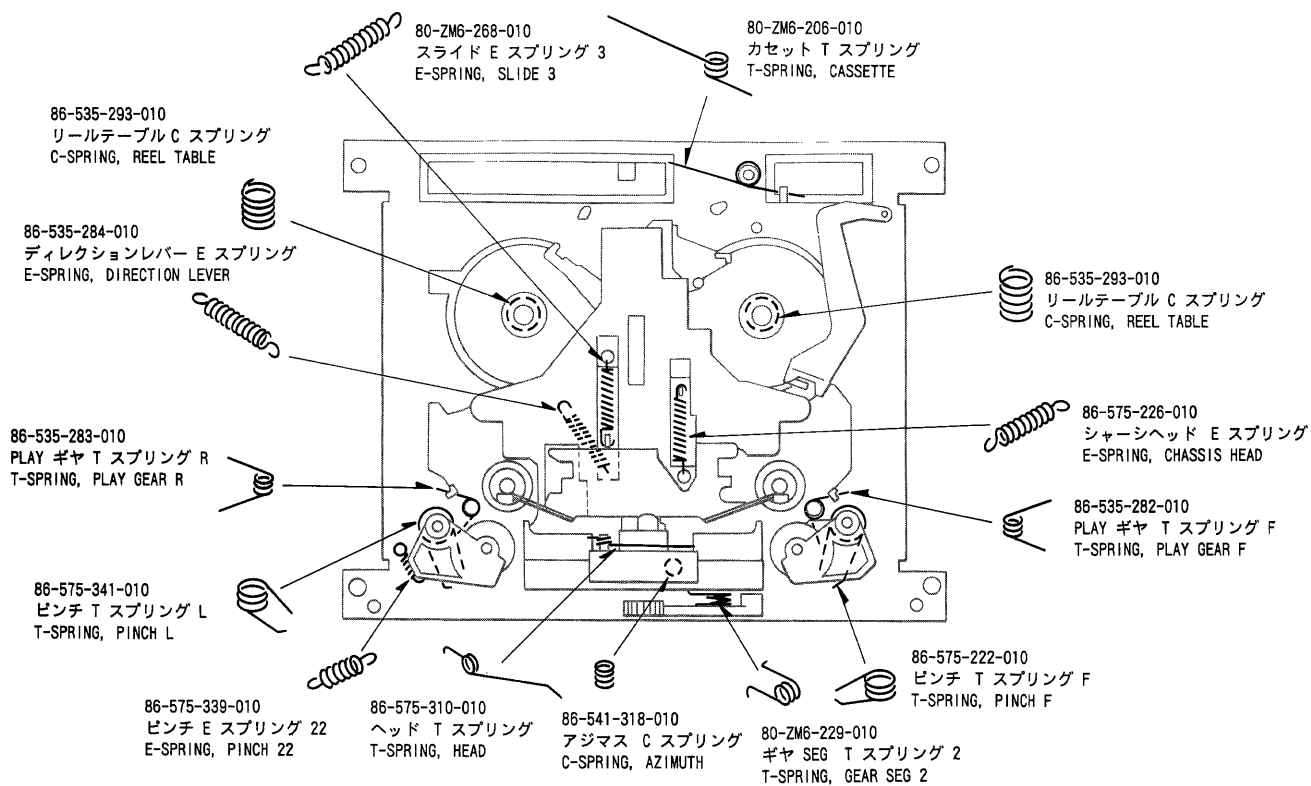
EXPLODED VIEW - 4

REF. NO.	PART NO.	DESCRIPTION
A	87-067-178-010	VTT + 2.6 - 3
B	86-524-457-019	SCREW U + 2.6 - 5.5
C	80-ZM6-216-010	PW1.57 - 4 - 0.25 SLT
D	87-081-489-019	PW1.7 - 3.5 - 0.25 SLT
E	87-067-380-019	PW1.7 - 7 - 0.5
F	80-ZM6-249-010	PW2.1 - 5 - 0.13
G	80-ZM6-211-019	PW2.68 - 4.15 - 0.3 SLT
H	80-ZM6-252-010	VTT + 2.6 - 3

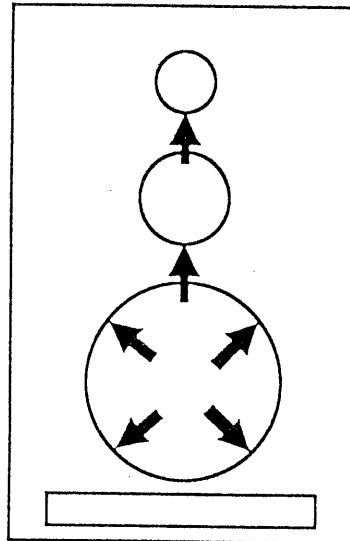


PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	4-1	★81-ZM7-204-010	PULLEY, MOTOR 4		1
	4-2	★81-ZM3-201-110	HOLDER, MOTOR	※	1
	4-3	★86-513-441-210	COLLAR, MOTOR		2
	4-4	★80-ZM6-203-310	FLYWHEEL ASSY R1		1
	4-5	★80-ZM6-208-310	FLYWHEEL ASSY L1		1
	4-6	★86-535-231-510	LEVER, TRIGGER PLAY		1
	4-7	80-ZM6-227-110	BELT, SQ1.2 - 140		1
	4-8	★80-ZM6-205-110	T - SPRING, MAIN		1
	4-9	★86-575-312-110	CAM, MAIN		1
	4-10	★80-ZM6-243-019	SHEET, 1.75 - 3.6 - 0.5 SLT		1
	4-11	★80-ZM6-242-019	SHEET, 1.95 - 3.6 - 0.5		1
	4-12	★80-ZM6-219-210	CAM, FR MK2 2M		1
	4-13	★86-575-229-210	LEVER, PAUSE B		1
	4-14	★86-535-291-210	T - SPRING, FR CAM		1
	4-15	★86-535-230-510	LEVER, TRIGGER FR		1
	4-16	★80-ZM6-220-019	T - SPRING, FR2		1
	4-17	★86-575-326-210	LEVER, RINK		1
	4-18	★86-575-328-110	GEAR, IDLER		1
	4-19	★80-ZM6-217-010	MAGNET, RING 2		1
	4-20	★80-ZM6-222-110	SHAFT, PULLEY FR		1
	4-21	★80-ZM6-218-110	LEVER, FR2		1
	4-22	★80-ZM6-221-010	GEAR, FR2		1
	4-23	★80-ZM6-224-410	PULLEY, COUPLER (D1)		1
	4-24	★80-ZM6-213-110	HOLDER, ASSY P (D1)		1
	4-25	★86-575-221-510	GEAR, PLAY		2
	4-26	★80-ZM6-230-010	SHEET, BELT		2
	4-27	★81-ZM3-204-010	SHEET, BELT 2	※	1
	4-28	81-ZM3-202-010	BELT, SQ1.3 - 333 (D1)	※	1
	4-28	81-ZM3-203-010	BELT, SQ1.3 - 332 (D2)	※	1

SPRING APPLICATION POSITION



DISASSEMBLY INSTRUCTION (SX – Z850)



- Insert a flat-bladed screwdriver into the positions indicated by the arrows (shown in the above figure) and remove the grill assemblies of the woofer, mid-range speaker and tweeter. Remove the screws of each speaker unit and then remove the speaker units.

■ SPEAKER LIST (SX – Z850)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q,TY
	1	- - -	CABINET,R		1
	2	- - -	CABINET,L		1
	3	★82-MS2-003-010	PANEL,W	※	2
	4	★82-MS2-010-010	PANEL,M ASSY	※	2
	5	★82-MS2-012-010	GRILL FRAME ASSY	※	2
	6	★82-MS2-009-010	DUCT	※	2
	7	81-MS3-601-010	SPEAKER,WOOFER		2
	8	81-MS3-603-010	SPEAKER,TWEETER		2
	9	★87-010-005-010	CAP,ELECT 2.2UF		2
	10	★83-096-614-010	CORD,SPEAKER		2