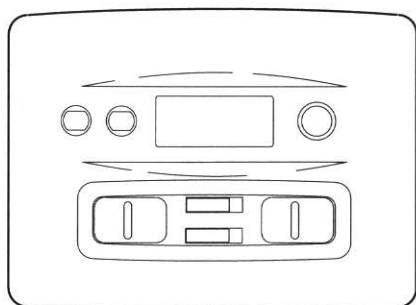


aiwa



HS-JX779 HS-JX799



STEREO CASSETTE RADIO RECORDER

- TYPE: 799(AH,DAH,YH)
779(AU,DAH)

- BASIC TAPE MECHANISM: 6ZM-2 R1

SPECIFICATIONS

Frequency range:	Reception area " EU " AM: 531 – 1,602 kHz (9 kHz steps) FM1, FM2 87.5 – 108 MHz (50 kHz steps) Reception area " USA " AM: 530 – 1,710 kHz (10 kHz steps) FM1, FM2 87.5 – 108.1 MHz (200 kHz steps) Reception area " JPN " <779AU,779DAH,799DAH> AM: 531 – 1,629 kHz (9 kHz steps) FM1, FM2 76 – 108 MHz (100 kHz steps)
Maximum output:	12 mW + 12 mW (EIAJ 16 Ω)
Power source:	DC 2.4V using supplied rechargeable batteries NB-4A DC 3V using two R03 (size AAA) dry cell batteries AC house current using the optional AC adaptor: AC-620/AC-302
Maximum dimensions (W x H x D):	110.5 (W) x 80.1 (H) x 28.7 (D) mm
Weight:	(4 ³ / ₈ x 3 ¹ / ₄ x 1 ³ / ₁₆ in)
	Approx. 175 g (6.1oz) excluding batteries
<Battery charger RB-106>	
Rated voltage:	AC 115 V – 230 V switchable, 50/60 Hz<EXCEPT 779AU ,799YH> AC 120 V ,60 Hz<779 AU>

- Design and specifications are subject to change without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C18	87-016-396-080		C-CAP,U 0.22-16F
	87-002-423-080	IC,TA2002 FN		C19	87-A10-249-080		C-CAP,U 1-10 ZF
	87-001-875-080	IC,BA1106FS		C20	87-A10-422-080		C-CAP,TN 10-4 A TCF
	87-A20-580-040	C-IC,BA3641FV		C21	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-002-691-080	IC,BA3714F		C22	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-A20-588-040	C-IC,LB1977(V)		C23	87-012-278-080		C-CAP,U 2200P-50 B
	87-A20-628-080	C-IC,TA2046FNST		C24	87-012-278-080		C-CAP,U 2200P-50 B
	87-001-145-080	C-IC,TA8126F		C25	87-010-822-010		CAP, E 220-4(MJ)
	87-A20-638-040	C-IC,PST9120		C26	87-010-822-010		CAP, E 220-4(MJ)
	87-070-076-040	C-IC,PST9015		C27	87-010-943-180		C-CAP,E 100-4 M MV
	87-HJ3-621-010	C-IC,TC9327F-006		C51	87-012-274-080		CHIP CAP,U 1000P-50B
	87-A20-581-040	C-IC,S-29220AFJ		C52	87-012-274-080		CHIP CAP,U 1000P-50B
	87-A20-681-080	C-IC,RN5R220BA		C53	87-012-274-080		CHIP CAP,U 1000P-50B
				C54	87-012-274-080		CHIP CAP,U 1000P-50B
				C55	87-A10-249-080		C-CAP,U 1-10 ZF
TRANSISTOR				C56	87-A10-249-080		C-CAP,U 1-10 ZF
	89-115-884-080	CHIP -TRANSISTER 2SA1588Y		C57	87-A10-249-080		C-CAP,U 1-10 ZF
	87-026-418-080	TR,RN1311 (0.1W)		C58	87-A10-249-080		C-CAP,U 1-10 ZF
	87-026-461-080	C-TR IMH3		C59	87-A10-249-080		C-CAP,U 1-10 ZF
	87-026-414-080	C-TR RN1307		C60	87-A10-249-080		C-CAP,U 1-10 ZF
	89-508-804-080	CHIP FET 2SK880Y		C61	87-A10-249-080		C-CAP,U 1-10 ZF
	87-026-478-080	TR-RN2607		C62	87-A10-249-080		C-CAP,U 1-10 ZF
	87-026-567-080	TR,RN1611		C63	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-026-470-080	TR,HN1C03FB(0.3W)		C64	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-026-678-080	C-TR,FMG5A		C65	87-015-923-080		C-CAP,TN 0.22-35
	87-026-475-080	C-TR,RN1607		C66	87-015-923-080		C-CAP,TN 0.22-35
	87-026-476-080	TR,RN1610		C67	87-010-787-080		CAP, U 0.022-25
	87-026-481-080	TR,RN4607 (0.3W)		C68	87-010-787-080		CAP, U 0.022-25
	87-026-424-080	C-TR,RN2306		C69	87-A10-249-080		C-CAP,U 1-10 ZF
	89-113-625-080	TR,2SA1362GR		C70	87-A10-249-080		C-CAP,U 1-10 ZF
	87-026-477-080	C-TR,RN2605		C71	87-A10-249-080		C-CAP,U 1-10 ZF
	87-026-467-080	TR,HN1C01F GR		C72	87-A10-249-080		C-CAP,U 1-10 ZF
	89-327-125-080	CHIP TR,2SC2712GR		C73	87-A10-584-080		CAP,TN 100-4M 125 F93C
	89-333-266-080	CHIP TR,2SC3326B		C74	87-012-286-080		CAP, U 0.01-25
	89-413-284-080	TR,2SD1328T		C75	87-A10-418-080		C-CAP,TN 22-4 A TCF
	89-341-165-080	C-TR,2SC4116GR		C76	87-A10-422-080		C-CAP,TN 10-4 A TCF
	89-508-824-080	C-FET,2SK882Y		C77	87-A10-418-080		C-CAP,TN 22-4 A TCF
	89-342-153-080	C-TR,2SC42150		C101	87-012-282-080		CAP, U 4700P-50
	87-A30-125-080	C-TR,IMB3A		C102	87-012-282-080		CAP, U 4700P-50
	87-026-331-080	C-TR,DTA114YU		C103	87-010-828-080		CHIP CAPACITOR,U 0.033-25F
	87-026-417-080	C-TR,RN1310		C104	87-010-828-080		CHIP CAPACITOR,U 0.033-25F
	87-026-352-080	C-TR,DTC144TU		C105	87-012-286-080		CAP, U 0.01-25
	89-115-864-080	C-TR,2SA1586Y		C106	87-012-286-080		CAP, U 0.01-25
				C107	87-010-828-080		CHIP CAPACITOR,U 0.033-25F
				C108	87-010-828-080		CHIP CAPACITOR,U 0.033-25F
DIODE				C109	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-A40-121-080	C-DIODE,RB715F		C110	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-017-367-080	DIODE,DAP 202U		C111	87-010-942-180		C-CAP,E 47-4 M MV
	87-001-167-080	C-DIODE,1SS302		C151	87-A10-249-080		C-CAP,U 1-10 ZF
	87-001-166-080	DIODE,1SS301		C152	87-A10-249-080		C-CAP,U 1-10 ZF
	87-A40-395-080	C-ZENER,UDZ2.2B		C153	87-016-396-080		C-CAP,U 0.22-16F
	87-001-166-080	C-DIODE,1SS301		C154	87-016-396-080		C-CAP,U 0.22-16F
	87-A40-290-080	C-VARI-CAP,KV1590		C155	87-A10-249-080		C-CAP,U 1-10 ZF
	87-001-708-080	C-VARI-CAP,1SV228		C156	87-A10-249-080		C-CAP,U 1-10 ZF
	87-017-779-080	C-DIODE,1SS355		C159	87-A10-249-080		C-CAP,U 1-10 ZF
MAIN C.B				C160	87-A10-249-080		C-CAP,U 1-10 ZF
C1	87-012-272-080	C-CAP,U 680P-50 B		C185	87-016-396-080		C-CAP,U 0.22-16F
C2	87-012-272-080	C-CAP,U 680P-50 B		C251	87-A10-249-080		C-CAP,U 1-10 ZF
C3	87-012-272-080	C-CAP,U 680P-50 B		C252	87-A10-249-080		C-CAP,U 1-10 ZF
C4	87-012-272-080	C-CAP,U 680P-50 B		C253	87-A10-263-080		C-CAP,U 0.1-16ZF
C5	87-012-286-080	CAP, U 0.01-25		C254	87-012-277-080		C-CAP,U 1800P-50 K B
C6	87-A10-418-080	C-CAP,TN 22-4 A TCF		C255	87-A10-263-080		C-CAP,U 0.1-16ZF
C7	87-A10-418-080	C-CAP,TN 22-4 A TCF		C256	87-016-396-080		C-CAP,U 0.22-16F
C8	87-A10-418-080	C-CAP,TN 22-4 A TCF		C257	87-015-923-080		C-CAP,TN 0.22-35
C9	87-016-114-080	C-CAP,U0.01-25B		C261	87-A10-249-080		C-CAP,U 1-10 ZF
C10	87-016-114-080	C-CAP,U0.01-25B		C262	87-A10-249-080		C-CAP,U 1-10 ZF
C11	87-010-787-080	CAP, U 0.022-25		C301	87-A10-263-080		C-CAP,U 0.1-16ZF
				C302	87-A10-353-080		C-CAP,U0.22-10KB
				C303	87-A10-504-080		C-CAP,U 0.047-16 K B
				C305	87-010-486-080		C-CAP,TN 0.33-50

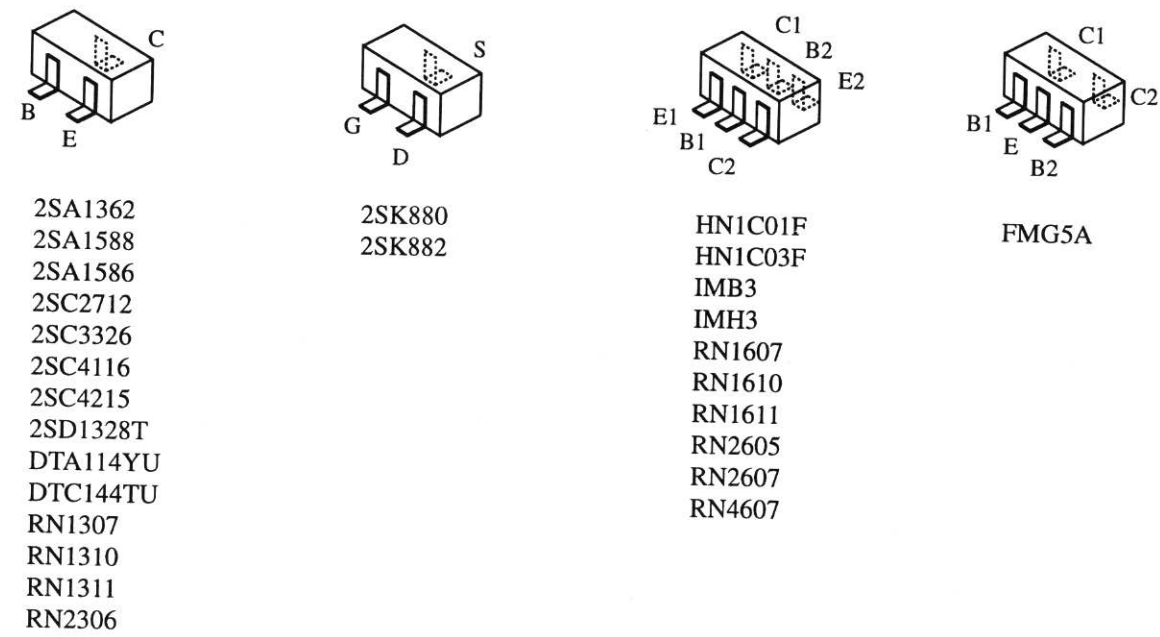
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C306	87-A10-504-080		C-CAP,U 0.047-16 K B	C502	87-A10-249-080		C-CAP,U 1-10 Z F
C307	87-A10-504-080		C-CAP,U 0.047-16 K B	C503	87-012-195-080		C-CAP,U 100P-50 J CH
C308	87-A10-504-080		C-CAP,U 0.047-16 K B	C504	87-012-195-080		C-CAP,U 100P-50 J CH
C309	87-A10-263-080		C-CAP,U 0.1-16ZF	C505	87-010-831-080		C-CAP,U 0.1-16 Z F
C310	87-A10-263-080		C-CAP,U 0.1-16ZF	C506	87-010-829-080		C-CAP,U 0.047-16 Z F
C351	87-A10-249-080		C-CAP,U 1-10 ZF	C507	87-010-787-080		C-CAP,U 0.022-25 K B
C352	87-010-522-080		CAP, TN 2.2-10 ECS	C508	87-012-286-080		C-CAP,U 0.01-25 K B
C401	87-012-286-080		CAP, U 0.01-25	C509	87-010-318-080		C-CAP,S 47P-50 J CH<799AH,799YH>
C402	87-012-279-080		C-CAP,U 2700P-50 B	C509	87-010-320-080		C-CAP,S 68P-50 J CH<799DAH,779AU,779DAH>
C403	87-012-286-080		CAP, U 0.01-25				
C404	87-A10-418-080		C-CAP,TN 22-4 A TCF	C510	87-012-168-080		C-CAP,U 6P-50 D CH<799AH,799YH>
C405	87-012-278-080		C-CAP,U 2200P-50 K B	C510	87-012-164-080		C-CAP,U 2P-50 D CH<799DAH,779AU,779DAH>
C406	87-012-267-080		C-CAP, U 270P-50 K B GRM				
C451	87-010-822-010		CAP, E 220-4 (MJ)	C511	87-012-186-080		C-CAP,U 39P-50 J CH
C452	87-010-822-010		CAP, E 220-4 (MJ)	C512	87-012-140-080		C-CAP,S 470P-50 J CH
C453	87-A10-418-080		C-CAP,TN 22-4 A TCF	C513	87-012-247-080		C-CAP,U 18P-50 J UJ
C454	87-A10-418-080		C-CAP,TN 22-4 A TCF	C514	87-012-286-080		C-CAP,U 0.01-25 K B
C455	87-A10-422-080		C-CAP,TN 10-4 A TCF	C515	87-010-787-080		C-CAP,U 0.022-25 K B
J1	87-099-658-110		JACK,3.5 ST BLK TWIN<779AU,779DAH>	C517	87-010-316-080		C-CAP,S 33P-50 J CH<799AH,799YH>
J51	87-099-846-010		JACK,3.5 ST BLK<799AH,799DAH,799YH>	C517	87-010-320-080		C-CAP,S 68P-50 J CH<779AU,779DAH,799DAH>
J451	87-A60-352-010		JACK,DC 3.8 MJC003-A	C518	87-010-318-080		C-CAP,S 47P-50 J CH<799AH,799YH>
L1	84-HJ9-616-110		COIL,LOADING 3.3				
L2	87-003-240-080		C-COIL,S 3.3UH	C519	87-012-162-080		C-CAP,U 1P-50 C CH
L3	87-003-240-080		C-COIL,S 3.3UH<779AU,779DAH>	C520	87-012-172-080		C-CAP,U 10P-50 D CH
L3	87-003-369-080		C-COIL,U 3.3UH K<799AH,799DAH,799YH>	C521	87-012-286-080		C-CAP,U 0.01-25 K B
L4	87-003-240-080		C-COIL,S 3.3UH<779AU,779DAH>	C522	87-012-286-080		C-CAP,U 0.01-25 K B
L4	87-003-369-080		C-COIL,U 3.3UH K<799AH,799DAH,799YH>	C523	87-A10-249-080		C-CAP,U 1-10 Z F
L5	87-003-240-080		C-COIL,S 3.3UH<779AU,779DAH>	C524	87-A10-249-080		C-CAP,U 1-10 Z F
L5	87-003-369-080		C-COIL,U 3.3UH K<799AH,799DAH,799YH>	C525	87-012-199-080		C-CAP,U 220P-50 J CH
L6	87-A50-007-080		C-COIL,S 68UH K MLF<779AU,779DAH>	C526	87-010-830-080		C-CAP,U 0.068-16 Z F
L7	87-003-369-080		C-COIL,U 3.3UH K<799AH,799DAH,799YH>	C527	87-010-831-080		C-CAP,U 0.1-16 Z F
L8	87-003-369-080		C-COIL,U 3.3UH K<799AH,799DAH,799YH>	C528	87-010-831-080		C-CAP,U 0.1-16 Z F
L9	87-003-369-080		C-COIL,U 3.3UH K<799AH,799DAH,799YH>	C529	87-012-273-080		C-CAP,U 820P-50 K B
L10	87-003-369-080		C-COIL,U 3.3UH K<799AH,799DAH,799YH>	C530	87-016-296-080		C-CAP,TN 22-4 M
L401	87-HJ3-605-080		C-COIL,OSC BIAS	C531	87-016-314-080		C-CAP,S 1-16 Z F
PS351	87-026-504-010		SNSR, PHOTO NJL5164KF	C532	87-012-286-080		C-CAP,U 0.01-25 K B
R9	87-022-292-080		CHIP RES U 330K-1/16W F	C533	87-012-286-080		C-CAP,U 0.01-25 K B
R10	87-022-292-080		CHIP RES U 330K-1/16W F	C534	87-010-197-080		C-CAP,S 0.01-25 K B
R11	87-022-243-080		CHIP RES,U 15K-1/16W F	C535	87-012-195-080		C-CAP,U 100P-50 J CH
R12	87-022-243-080		CHIP RES,U 15K-1/16W F	C536	87-010-831-080		C-CAP,U 0.1-16 Z F
S201	87-A90-330-080		SW,SL 1-1-2 SSSS81	C537	87-012-278-080		C-CAP,U 2200P-50 K B
S401	87-A90-330-080		C-SW,SL 1-1-2 SSSS81<779AU,779DAH>	C538	87-010-787-080		C-CAP,U 0.022-25 K B
S481	87-HJ3-608-010		SW,LEAF REC ASSY	C539	87-010-787-080		C-CAP,U 0.022-25 K B
S482	87-HJ3-608-010		SW,LEAF REC ASSY	C540	87-A10-594-080		C-CAP,TN 10-4 A2 MSV
S483	87-A90-455-010		SW,PUSH HXW4001	C541	87-010-831-080		C-CAP,U 0.1-16 Z F
S484	87-036-236-080		SW SL 1-1-2 SSSS81	C542	87-012-286-080		C-CAP,U 0.01-25 K B
S485	87-A90-356-010		SW,LEAF 6ZM-2	C601	87-010-505-080		C-CAP,TN 1-16 ECS
SFR1	87-024-614-080		C-SFR,K 33K H EVM 3SS	C602	87-010-787-080		C-CAP,U 0.022-25 K B
TH301	87-A90-477-080		C-THMS,157-502-53002-TP	C604	87-012-276-080		C-CAP,U 1500P-50 K B
VR1	87-A90-538-080		C-VR,RTRY 20KAX2 XV0103G	C605	87-012-172-080		C-CAP,U 10P-50 D CH
				C607	87-012-156-080		C-CAP,S 220P-50 J CH GRM
				C608	87-A10-249-080		C-CAP,U 1-10 Z F
				C609	87-012-195-080		C-CAP,U 100P-50 J CH
				C610	87-A10-249-080		C-CAP,U 1-10 Z F
				C700	87-010-178-080		C-CAP,S 1000P-50 K B
				C701	87-012-286-080		C-CAP,U 0.01-25 K B
				C702	87-012-286-080		C-CAP,U 0.01-25 K B
				C703	87-010-197-080		C-CAP,S 0.01-25 K B
				C704	87-016-491-080		C-CAP,S 0.22-16 Z F C2021
				C705	87-A10-048-080		C-CAP,TN 22-4 M F95
				C706	87-A10-025-080		C-CAP,U 0.22-16 Z F
				C707	87-012-172-080		C-CAP,U 10P-50 D CH
				C708	87-012-172-080		C-CAP,U 10P-50 D CH
				C709	87-010-831-080		C-CAP,U 0.1-16 Z F
				C710	87-010-831-080		C-CAP,U 0.1-16 Z F
				C711	87-010-831-080		C-CAP,U 0.1-16 Z F
				C712	87-010-831-080		C-CAP,U 0.1-16 Z F
				C901	87-010-505-080		C-CAP,TN 1-16 ECS
TUNER C.B							
CF501, CF502, X501							
	87-A90-525-080		C-FLTR,CFKMFC5140 -AE-TC-KIT				
BPF501	87-008-406-080		C-FLTR,BPF GFMB1<799AH,799YH>				
BPF501	81-HW1-628-080		C-FLTR,BPF GFWB1<799DAH,779AU,779DAH>				
C501	87-012-195-080		C-CAP,U 100P-50 J CH				

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

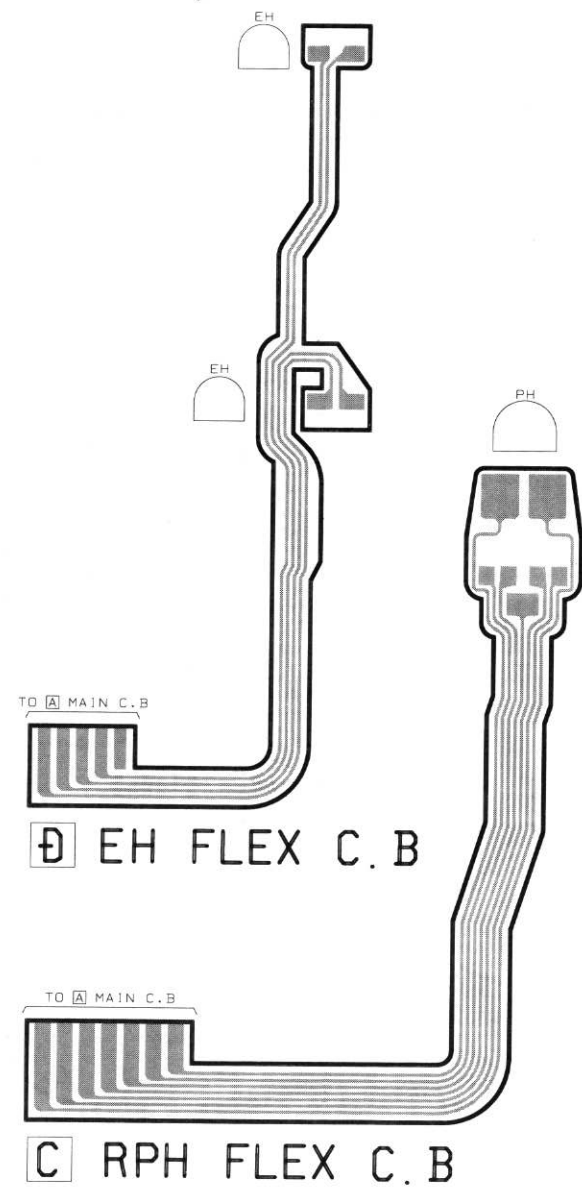
Chip Resistor Part Coding

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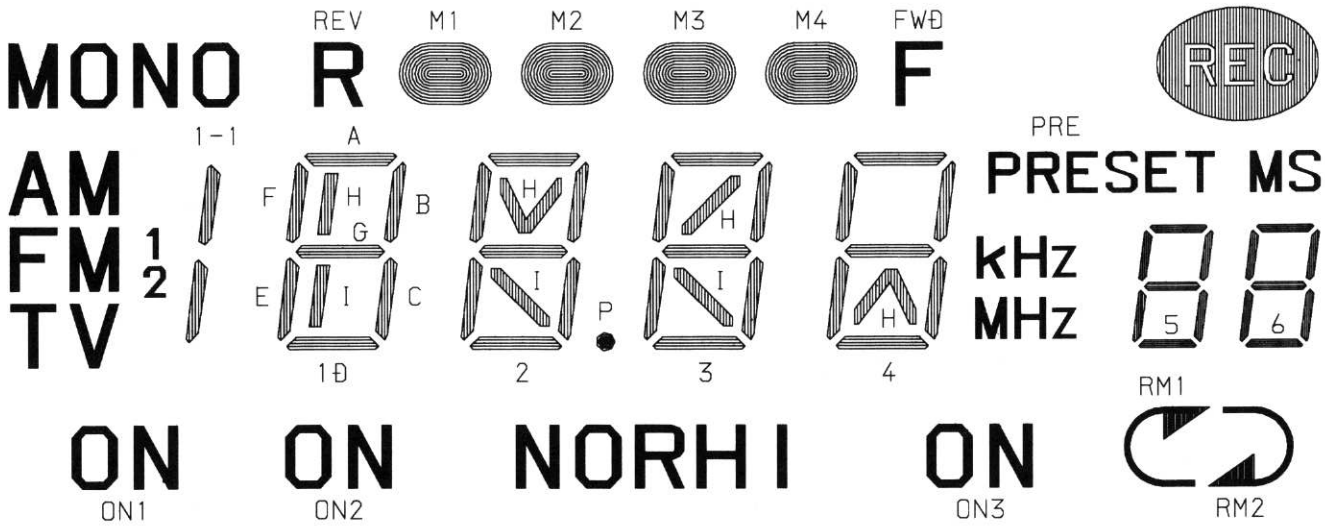
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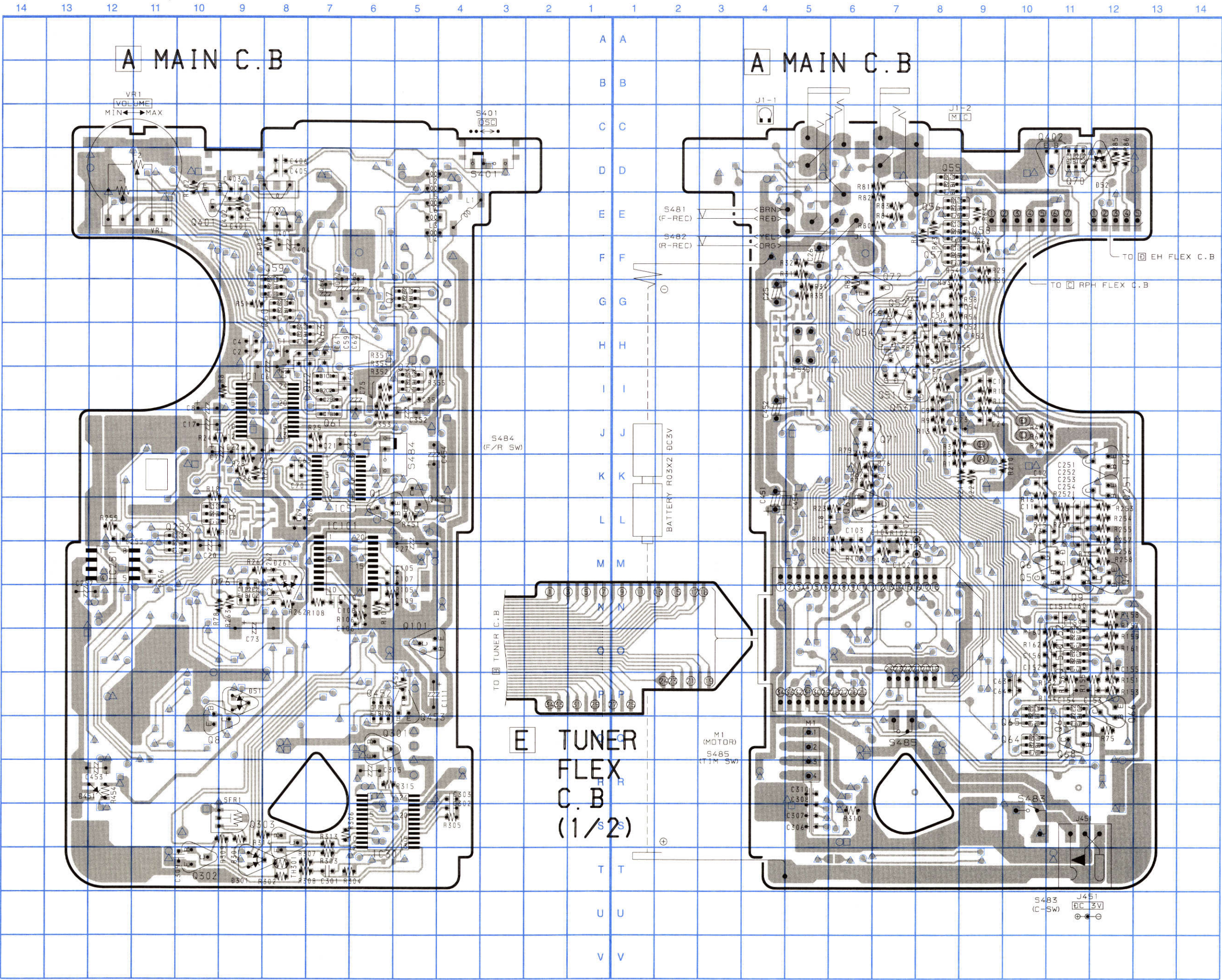
WIRING – 1 (EH / RPH FLEX)

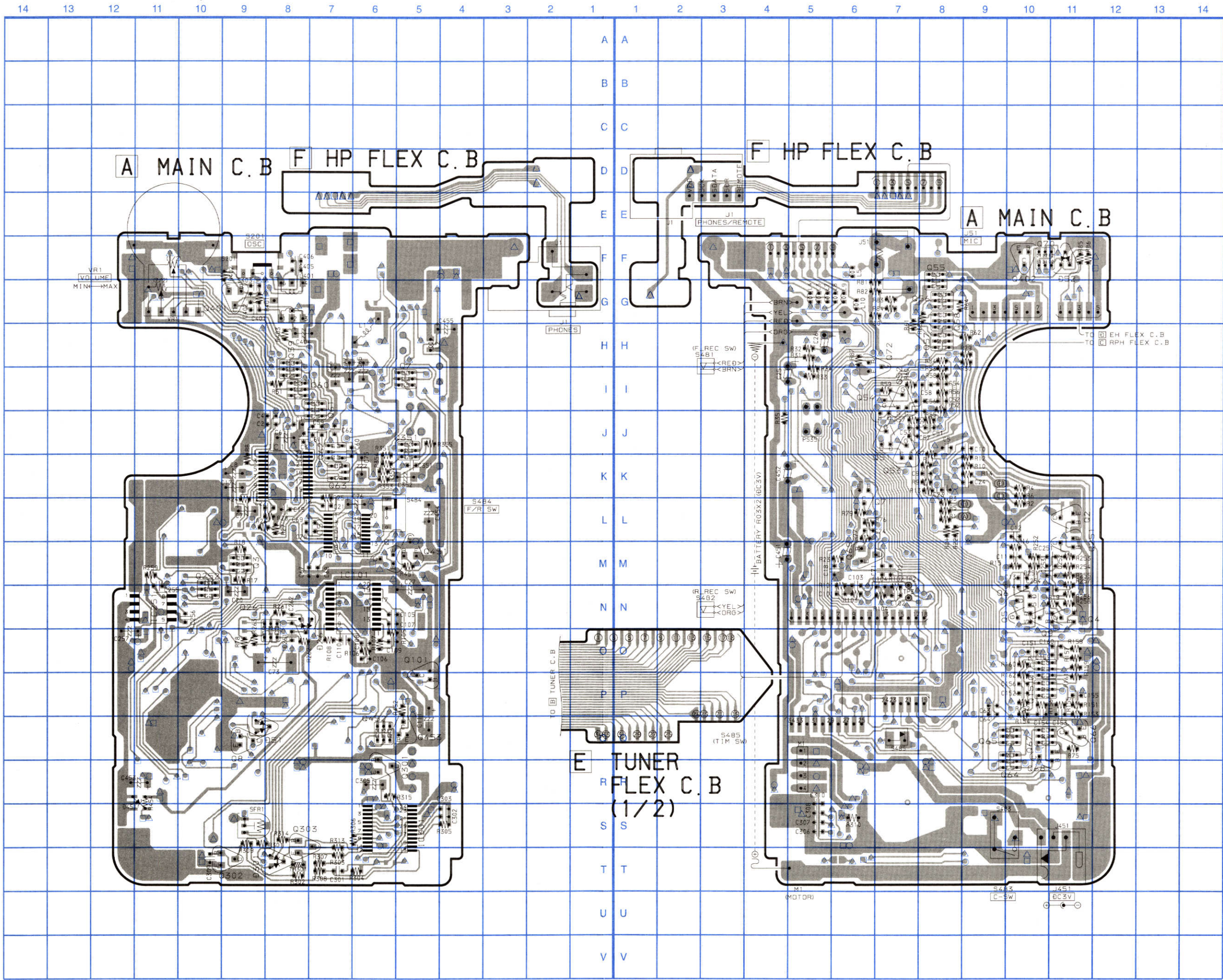


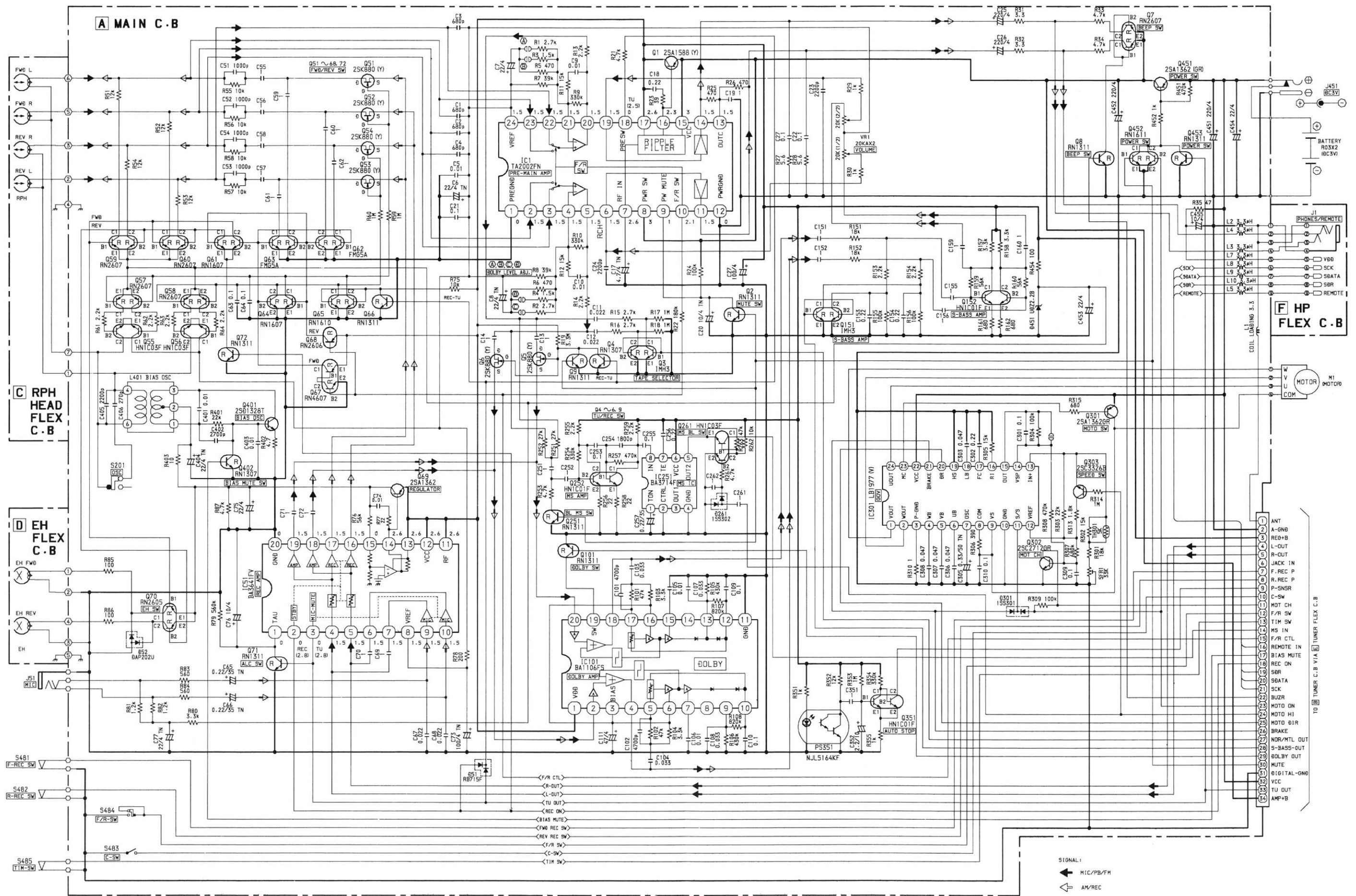
LCD DIAGRAM

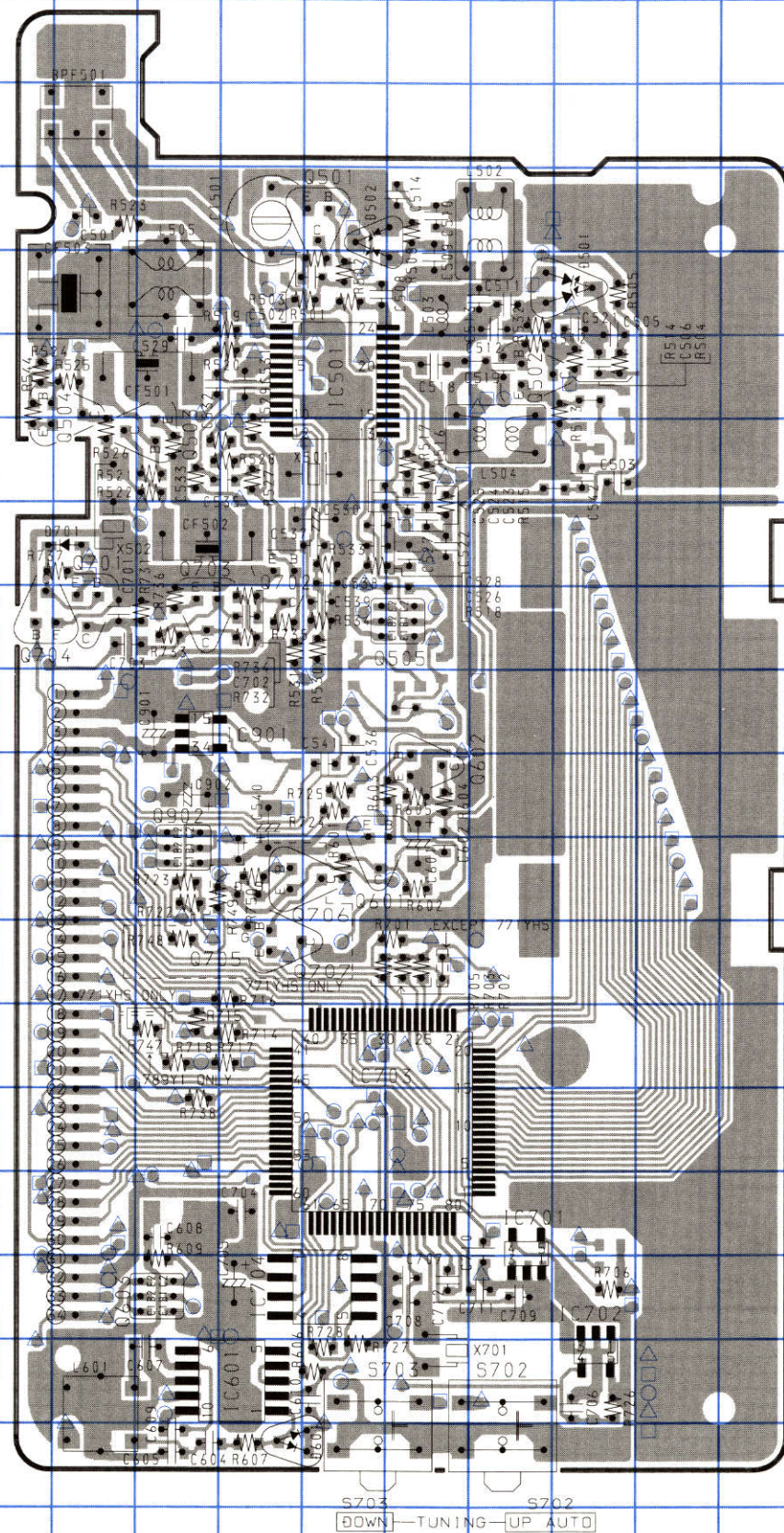


NO	1	2	3	4	5	6	7	8	9	10	11	12
COM1	COM1	—	—	—	AM	MONO	REV	1H	1A	M2	2H	2A
COM2	—	COM2	—	—	FM	1	1F	1G	1B	2F	2G	2B
COM3	—	—	COM3	—	TV	2	1E	1I	1C	2E	2I	2C
COM4	—	—	—	COM4	ON1	ON2	1-1	1D	M1	NOR	2D	P
NO	13	14	15	16	17	18	19	20	21	22	23	
COM1	M3	3H	3A	FWD	—	4A	REC	5F	5A	6F	6A	
COM2	3F	3G	3B	4F	4G	4B	PRE	5G	5B	6G	6B	
COM3	3E	3I	3C	4E	4H	4C	KHz	5E	5C	6E	6C	
COM4	HI	3D	M4	ON3	4D	MHz	RM1	RM2	5D	MS	6D	

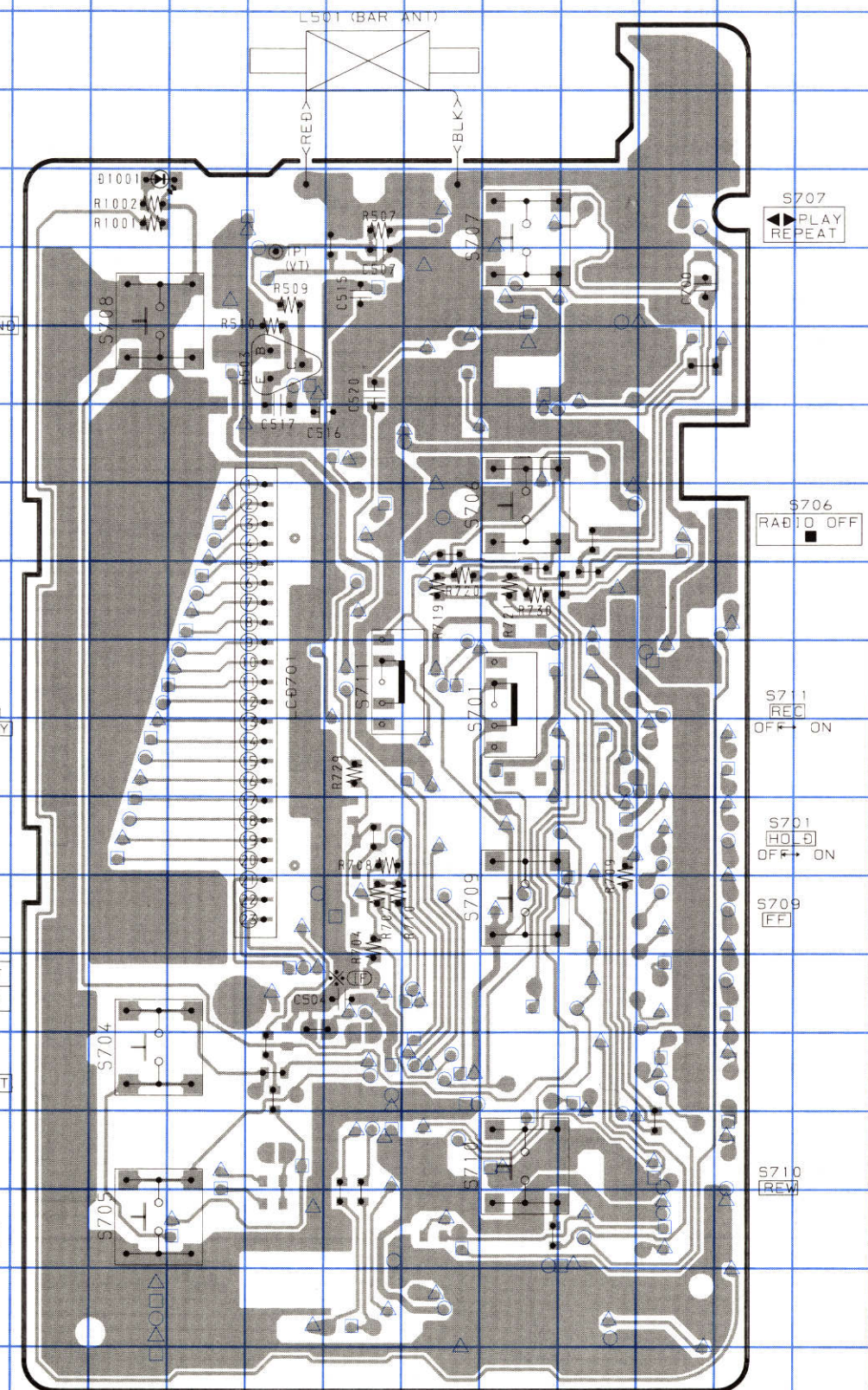






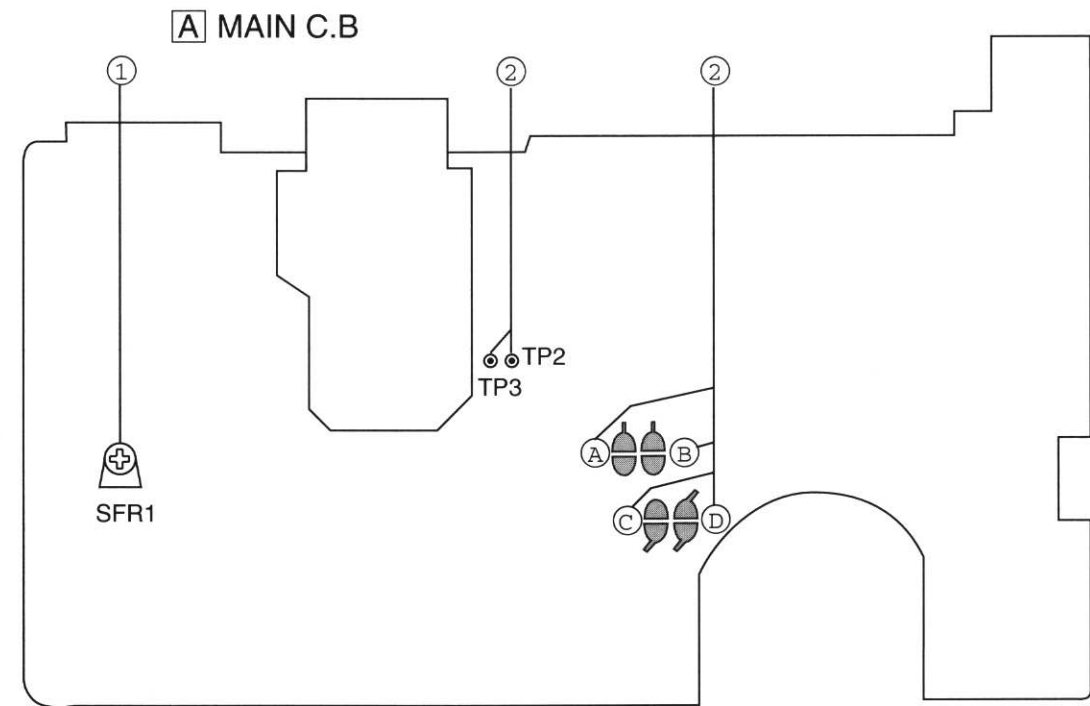
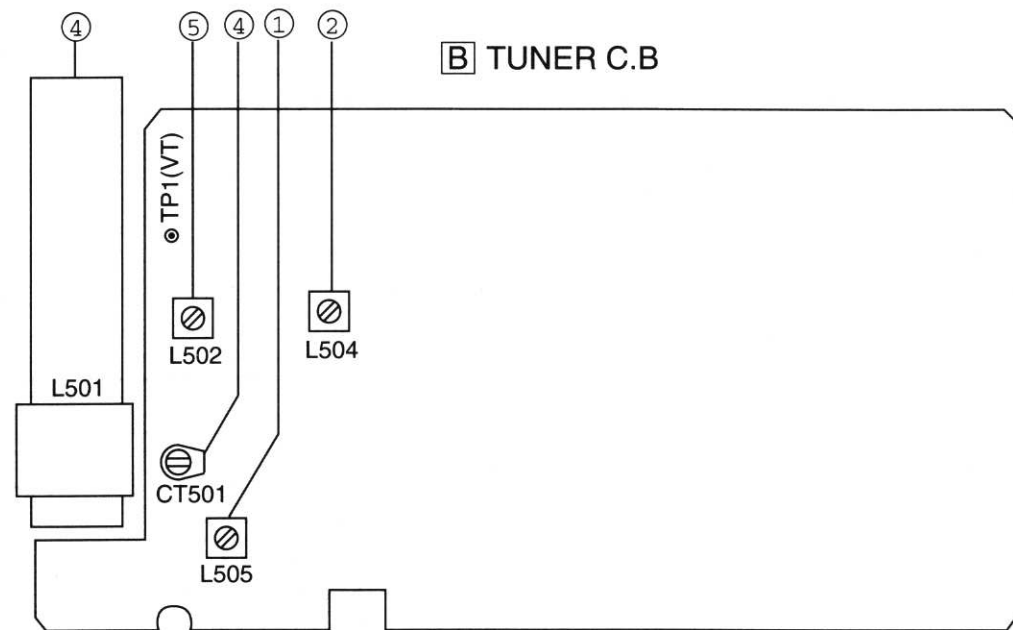


A	A		
B	B		
C	C		
D	D		
E	E		
F	F		
G	G		
H	H		
I	I		
J	J		
K	K		
L	L		
M	M		
N	N		
※CF501, 502, X501			
RANK		PARTS	
10.7MHz	A	A	SHORT
10.75MHz	E	E	OPEN
P	P		
Q	Q		
R	R		
S	S		
T	T		
U	U		
V	V		



16

ADJUSTMENT - 2 <DECK>



<TAPE PLAYER SECTION>

5. FM Tracking Adjustment
- | | |
|------------|--------------|
| L502 | 87.5 MHz |
| | <EXCEPT DAH> |
| L502 | 76.0 MHz |
| | <DAH> |

<RADIO SECTION>

Sensitivity :	
(IHF, THD 3%)	FM Less than 18 dB (87.5 MHz<EXCEPT DAH> / 76.0 MHz<DAH> / 98.5 MHz / 108.0 MHz)
(S / N 10 dB)	AM Less than 58 dB (630 kHz) Less than 57 dB (999 kHz <EXCEPT AU>, 1000 kHz<AU>) Less than 56 dB (1440 kHz)
Intermediate frequency :	FM 10.7 MHz $\pm$ 0.05 MHz AM 450 kHz $\pm$ 3 kHz
FM stereo separation :	FM More than 16dB (98.5 MHz)

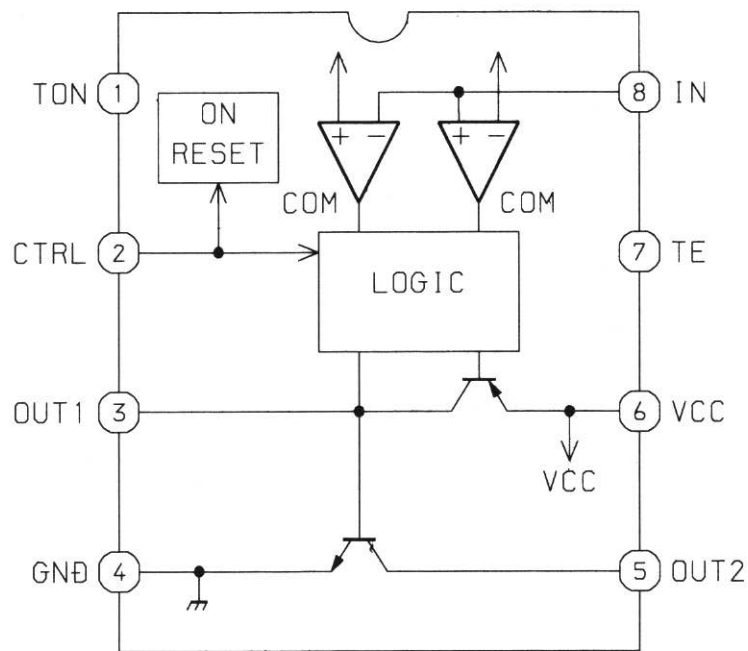
<RADIO SECTION>

Tape speed :	3015 Hz $\pm$ 50 Hz
Wow & flutter :	Less than 0.52 % (RMS)
Take-up torque :	20 ~ 30 g-cm (FWD, REV)
F. F torque :	100 ~ 150 g-cm
REW torque :	100 ~ 150 g-cm
Back tension :	1 ~ 3 g-cm (FWD, REV)
S/N ratio :	More than 45 dB (DC, PB)
Distortion :	Less than 3.0 % (DC, PB)
Noise level :	Less than 3.0 mV (Vol MAX, DC)
Frequency response :	63 Hz $\pm$ 2 / - 6 dB ~ 8 kHz $\pm$ 3 / - 4 dB (NORMAL, PB)
	63 Hz $\pm$ 2 / - 6 dB ~ 10 kHz $\pm$ 3 / - 4 dB (CrO2, PB)

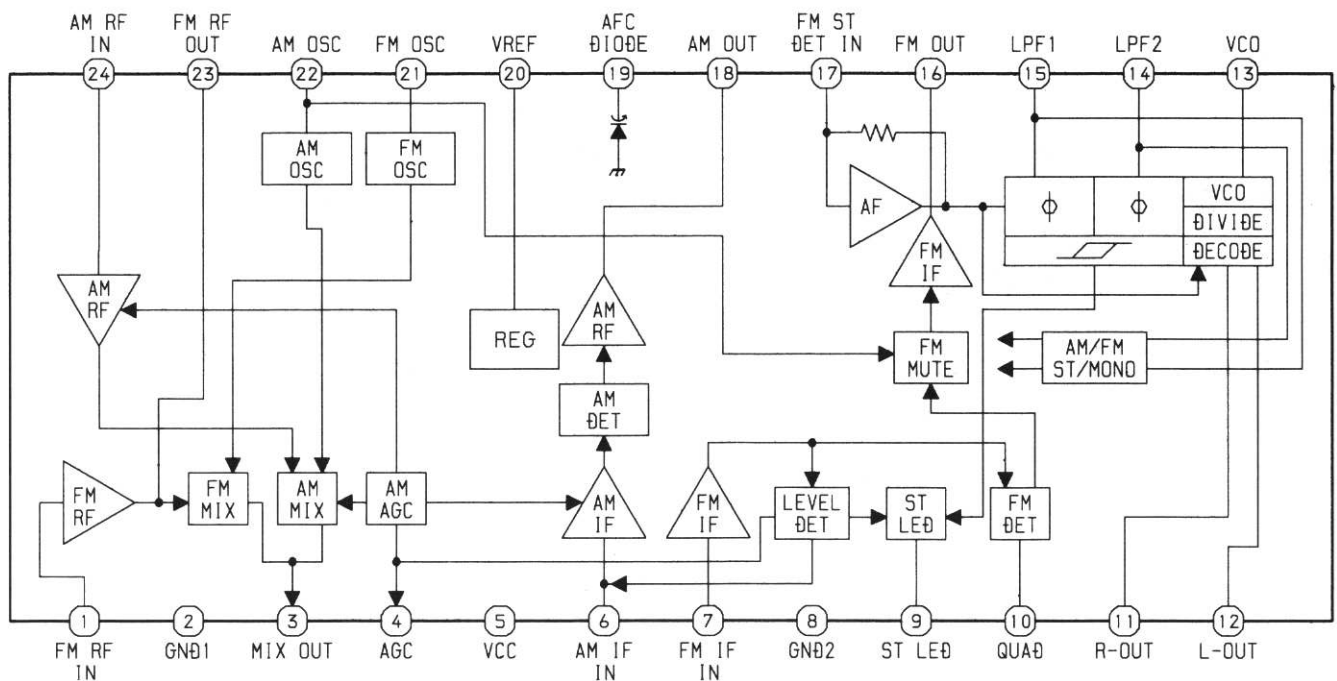
1. Tape Speed Adjustment
Settings:
 - Test tape : TTA-100
 - Test point : PHONES JACK (J1)
 - Adjustment location : SFR1
 - DOLBY NR : OFF
 - SUPER BASS : OFFMethod: Play back the test tape, adjust for 2990 ± 10 Hz at FWD and $+45 / -25$ Hz at REV.
2. Dolby Level Adjustment
Settings:
 - Test tape : TTA-200
 - Test point : TP2 (Lch), TP3 (Rch)
 - Adjustment location : Pattern A, B (Lch)
: Pattern C, D (Rch)
 - VOLUME : MINMethod: Connect a coupling capacitor ($10\mu\text{F}/16\text{V}$) between the test point and AC volt meter. Check the test point voltage for $100\text{mV} \pm 1.0\text{dB}$. If TP2, TP3 level is different from the SPEC, perform this adjustment following the procedure below:

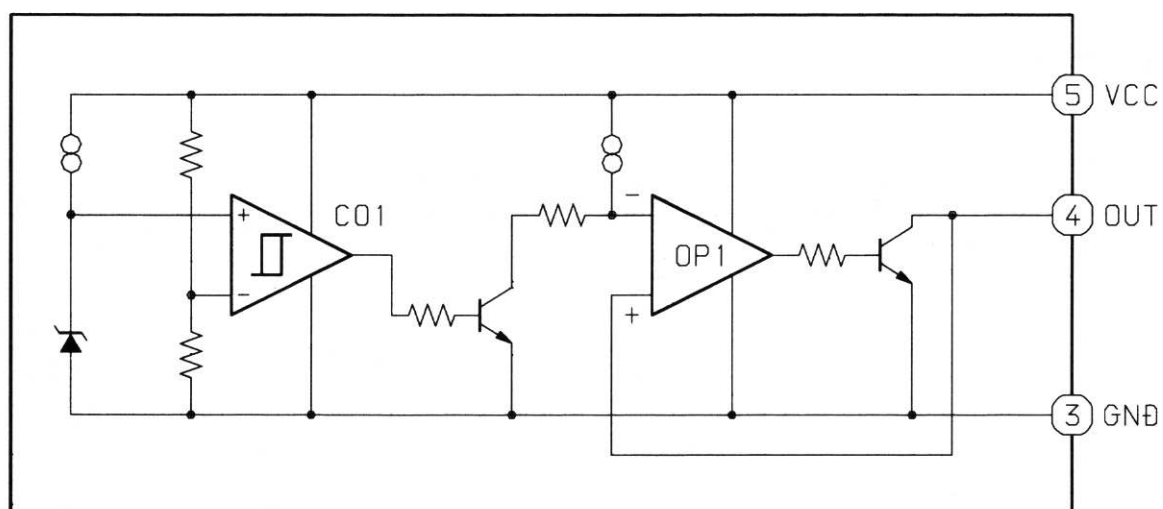
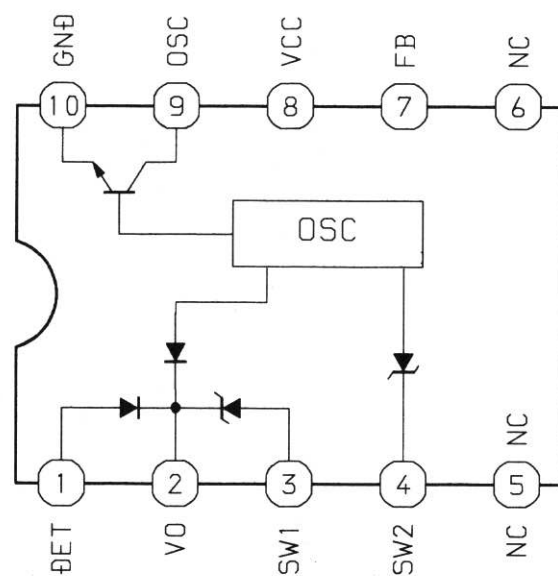
	Out level	Solder place
TP2 (LCH)	100mV + 1dB up	A
	100mV + 2dB up	B
	100mV + 3dB up	A , B
TP3 (RCH)	100mV + 1dB up	C
	100mV + 2dB up	D
	100mV + 3dB up	C , D

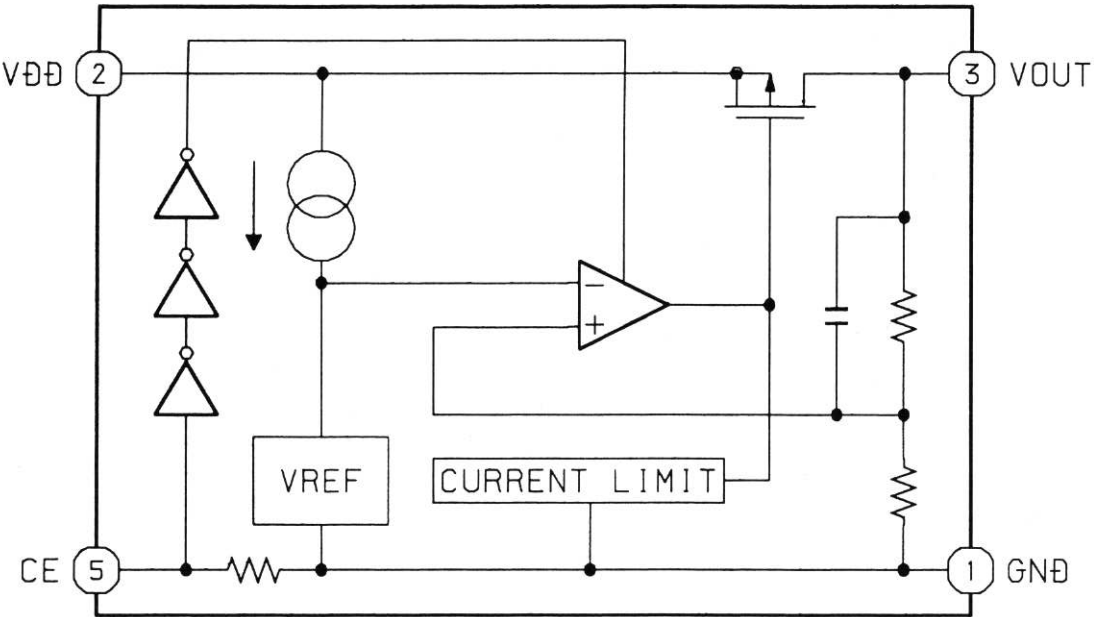
IC BLOCK DIAGRAM
IC, BA3714F



IC, TA2046 FNST







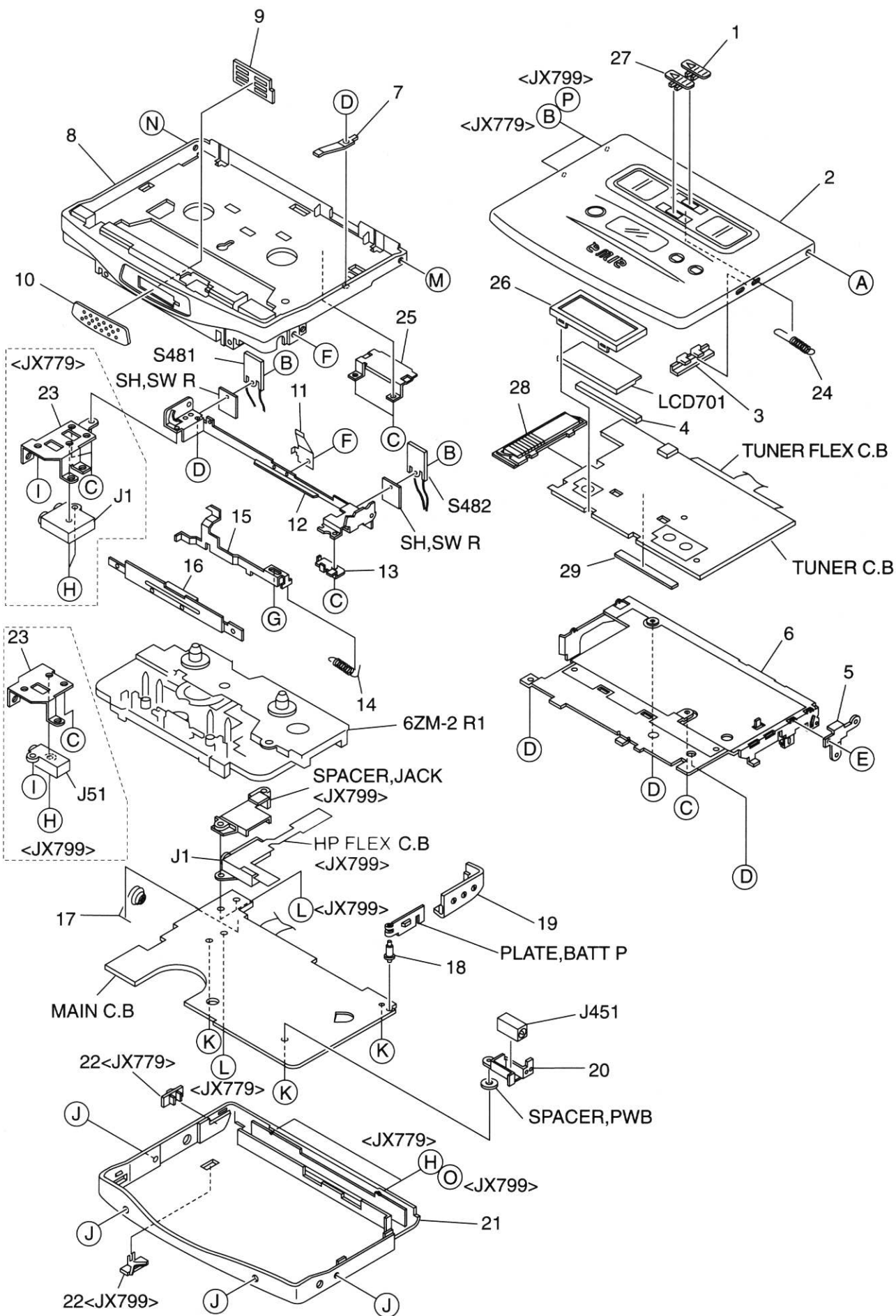
IC DESCRIPTION

IC, TC9327F-006

Pin No.	Pin Name	I/O	Description
1 ~ 4	COM1 ~ 4	O	LCD COMMON OUT1 ~ 4.
5 ~23	S1 ~ S19	O	LCD DRIVER OUT.
24	JACK IN	I	R-channel data invertCed output.
25	E-AREA	I	H L E AREA L H U AREA L L J AREA
26	U-AREA	I	
27	IF10.7	I	H : IF10.75MHz L : IF10.7MHz
28	HOLD IN	I	Key hold set up for main unit. H : HOLD ON L : OFF
29	L.V.STOP	I	Mechanism stop when low voltage, key input limit. L : mechanism stop
30	F.REC.P	I	H : REC key can not L : Can
31	R.REC.P	I	H : REC key can not L : Can
32	P-SNSR	I	Input pin of PHOTO SENSOR output wave form.
33	C-SW IN	I	Cassette have or not detection. H : C-SW OFF L : ON
34	UP	I	Up scan movement when TU. H : ON L : OFF
35	DOWN	I	Down scan movement when TU. H : ON L : OFF
36	ENTER	I	ENTER movement when TU. H : ON L : OFF
37	MS IN	I	MS IC signal input pin. H : music have not L : have
38	TIM SW	I	Input pin for mechanism movement set up.
39	MOT CH	I	Input pin MOT setting detection.
40	F/R SW	I	Input pin for mistake movement detection of mechanism. H : FWD L : REW
41	F/R CTRL	O	H : mechanism FWD mode L : mechanism REV mode
42	REMOTEIN	I	Remote control key input.
43	MAIN IN	I	Main unit machine control key input.
44	BIASMUTE	O	MUTE output pin when REC.
45	REC ON	O	H : REC ON L : OFF
46	SDR(LCD)	I	LCD microcomputer control pin.
47	SDATA(LCD)	O	LCD microcomputer serial data output pin.
48	SCK(LCD)	O	LCD microcomputer serial clock output pin.
49	BUZR	O	Buzzer output.
50	MOTOR ON	O	H : MOT ON L : OFF
51	MOTOR HI	O	H : MOT HI SPEED L : OFF
52	MOTORDIR	O	H : MOT CW L : CCW
53	BRAKE	O	H : MOT BRAKE ON L : OFF
54	NO/MT OUT	O	TAPE NORMAL / METAL change output pin. H : METAL
55	FMST OUT	O	FM MONO / ST change output pin. H : FM ST
56	BASS OUT	O	S-BASS ON / OFF output pin. H : S-BASS ON
57	DOLBYOUT	O	DOLBY ON / OFF establish output pin. H : DOLBY ON
58	TV OUT	O	H : TV (4 ~ 12 ch) L : except TV (4 ~ 12 ch)
59	C-CEL(EP)	O	EEPROM head write control pin.
60	SCK(EP)	O	EEPROM serial clock output pin.
61	SDATA(EP)	I/O	EEPROM data input/output pin

Pin No.	Pin Name	I/O	Description
62	MUTE	O	Muting output. H : MUTE ON L : OFF
63	TEST	—	NC.
64	IF IN	I	IF signal input pin.
65	TU OUT	O	H : TU ON L : OFF
66	PLL OUT	O	PLL output pin.
67	TU SW	I	TU mode input. H : TU mode L : OFF
68	TU MODE	O	H : FM mode L : AM mode
69	GND	—	GND.
70	FM IN	I	FM programmable counter input.
71	AM IN	I	AM programmable counter input.
72	VDD	—	VDD.
73	RESET	—	System reset signal input pin.
74	XOUT	—	Crystal oscillator connecting pin.
75	XIN	—	Crystal oscillator connecting pin.
76	VXT	—	Voltage supply pin for crystal oscillator.
77	VLCD	—	Twice voltage boost pin for LCD drive.
78	CI	—	Twice voltage boost pin for LCD drive.
79	C2	—	Twice voltage boost pin for LCD drive.
80	VEE	—	1.5V fixed voltage supply pin for LCD drive.

MECHANICAL EXPLODED VIEW 1 / 1

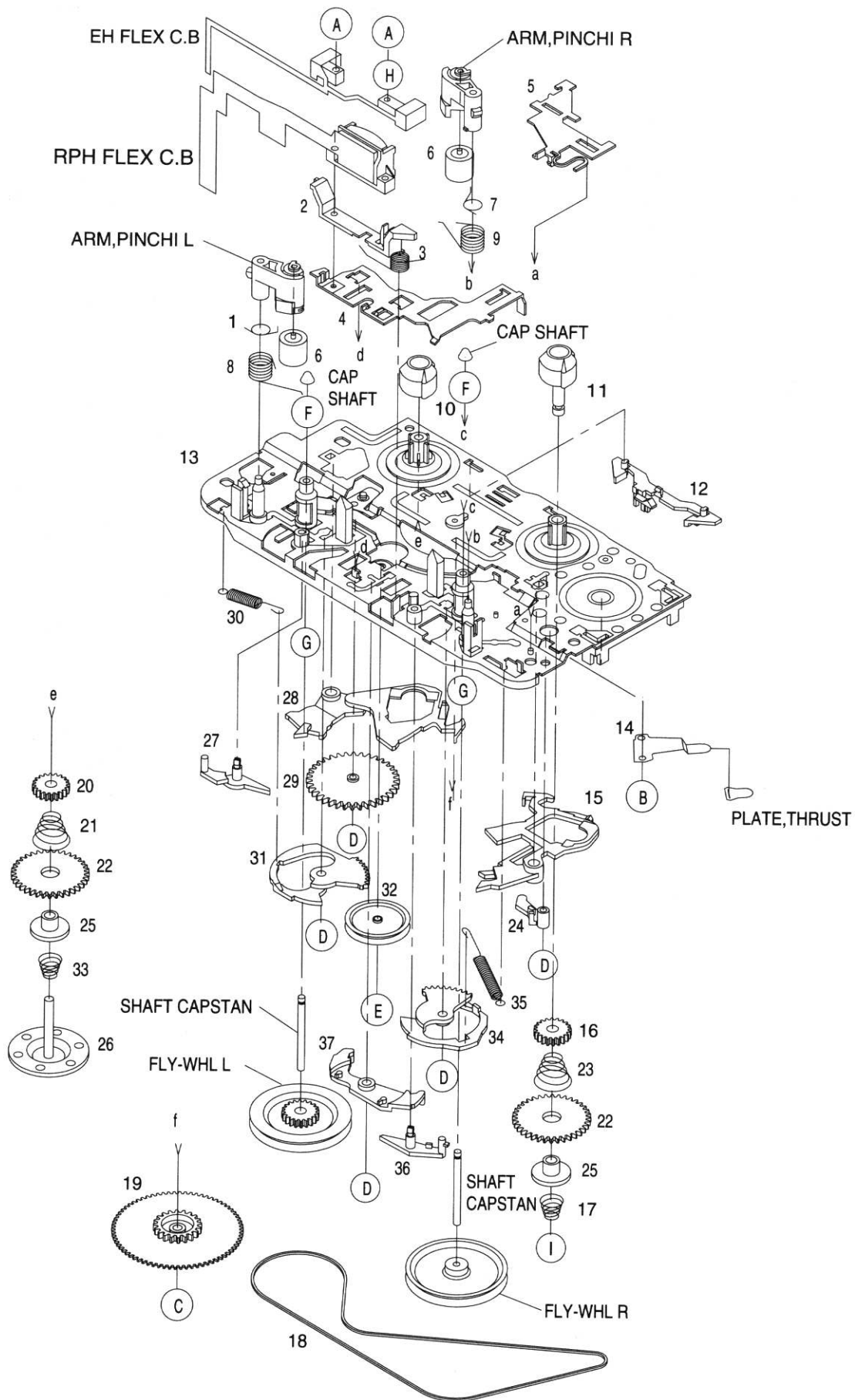


MECHANICAL PARTS LIST 1 / 1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-HJ3-013-010		KNOB, SL H	26	87-HR6-206-010		HLDLR, LCD
2	09-028-332-010		LID CASS ASSY<779[B]AU, 779[B]DAH>	27	87-HJ3-014-010		KNOB, SL REC
2	09-028-333-010		LID CASS ASSY<EXCEPT 779[B]AU 779[B]DAH>	28	87-HR6-205-010		HLDLR, ANT
3	87-HR6-013-010		KEY, TUNING	29	87-HR6-224-010		SH, 2-3-1.5
4	87-HR6-225-010		CONN, RUBBER LCD	A	85-HR4-217-010		S-SCREW, SERR+1.4-4CR<EXCEPT 779[B]AU, 779[B]DAH>
5	87-HR6-212-010		SPR-P, CLICK	A	85-HR4-216-010		SCRW-SR, 1.4-4 BL<779[B]AU 779[B]DAH>
6	87-HR6-204-010		HLDLR, CASS	B	85-HK6-208-010		SCRW-SR, +1.4-2.2B L
7	87-HR6-219-010		SPR-P, POP UP	C	87-067-732-010		TAPPING SCREW, VT1.4-3
8	87-HR6-001-010		FRAME, CENTER<779[B]AU, 779[B]DAH>	D	87-067-385-010		SCREW, VT +1.4-2.5HL
8	87-HJ3-004-010		FRAME, CENTER<EXCEPT 779[B]AU 779[B]DAH>	E	87-078-216-010		SCRW-SR, 1.4-1.4B LS
9	87-HR6-208-010		PLATE, EJECT	F	87-078-184-010		SCRW-SR, 1.4-1.8 BL
10	87-HR6-015-010		KNOB, SL OPEN	G	87-HK5-235-010		S-SCREW, 1.4-0.6-2.5
11	87-HR6-209-010		SPR-P, CASS	H	86-HK4-223-010		S-SCREW, SERR+1.4-3.5 B L
12	87-HR6-201-010		PLATE, HINGE<779[B]AU, 779[B]DAH>	I	87-067-405-010		SCREW, VP+1.4-6HL
12	87-HR6-233-010		PLATE, HINGE LCD<EXCEPT 779[B]AU 779[B]DAH>	J	87-078-147-010		SCRW-SERR-M1.4-3B<779[B]AU 779[B]DAH>
13	87-HK6-217-010		SPR-P, GND	J	85-HK3-241-010		SCRW-SR, 1.4-3CR L<EXCEPT 779[B]AU 779[B]DAH>
14	87-HK5-210-010		SPR-E, EJECT	K	87-078-113-010		S-SCRW, +1.4-3.5 HL(B
15	87-HR6-207-010		PLATE, LOCK	L	87-067-746-010		SCREW, M 1.4-2<779[B]AU, 779[B]DAH>
16	87-HR6-203-010		PLATE, FRONT	L	87-078-050-010		SCRW-SERR, M1.4-8<EXCEPT 779[B]AU 779[B]DAH>
17	87-HR6-211-010		SPR-C, BAT M	M	87-067-738-010		HINGE SCREW 1.4-1 BLK N<779[B]AU 779[B]DAH>
18	87-HR6-218-010		SHAFT, BAT	M	87-067-739-010		HINGE SCREW 1.4-1 CR N<EXCEPT 779[B]AU, 779[B]DAH>
19	87-HR6-008-010		LID, BAT<779[B]AU, 779[B]DAH>	N	87-HK6-219-010		S-SCREW+1.4-1-0.3<779[B]AU 779[B]DAH>
19	87-HJ3-008-010		LID, BAT<EXCEPT 779[B]AU 779[B]DAH>	N	87-HK6-220-010		S-SCREW+1.4-1-0.3 CRN<EXCEPT 779[B]AU, 779[B]DAH>
20	87-HR6-202-010		PLATE, SIDE	O	86-HK4-224-010		S-SCREW, SERR+1.4-3.5 CR L<EXCEPT 779[B]AU, 779[B]DAH>
21	87-HJ3-003-010		CABI, REAR<779[B]AU>	P	85-HKD-201-010		S-SCREW, SR+1.4-2.2 CR<EXCEPT 779[B]AU, 779[B]DAH>
21	87-HJ3-025-010		CABI, REAR<779[B]DAH>				
21	87-HJ3-024-010		CABI, REAR<799[ST]AH, 799[ST]YHS>				
21	87-HJ3-026-010		CABI, REAR<799[ST]DAH>				
22	87-HJ3-015-010		KNOB, SL A<779[B]AU, 779[B]DAH>				
22	87-HR6-017-010		KNOB, SL E<EXCEPT 779[B]AU 779[B]DAH>				
23	87-HR6-230-010		HLDLR, JACK<779[B]AU, 779[B]DAH>				
23	87-HR6-231-010		HLDLR, JACK LCD<EXCEPT 779[B]AU 779[B]DAH>				
24	87-HJ3-202-010		SPR-E, REC				
25	87-HR6-210-010		HLDLR, FLEX				

TAPE MECHANISM EXPLODED VIEW 1 / 1

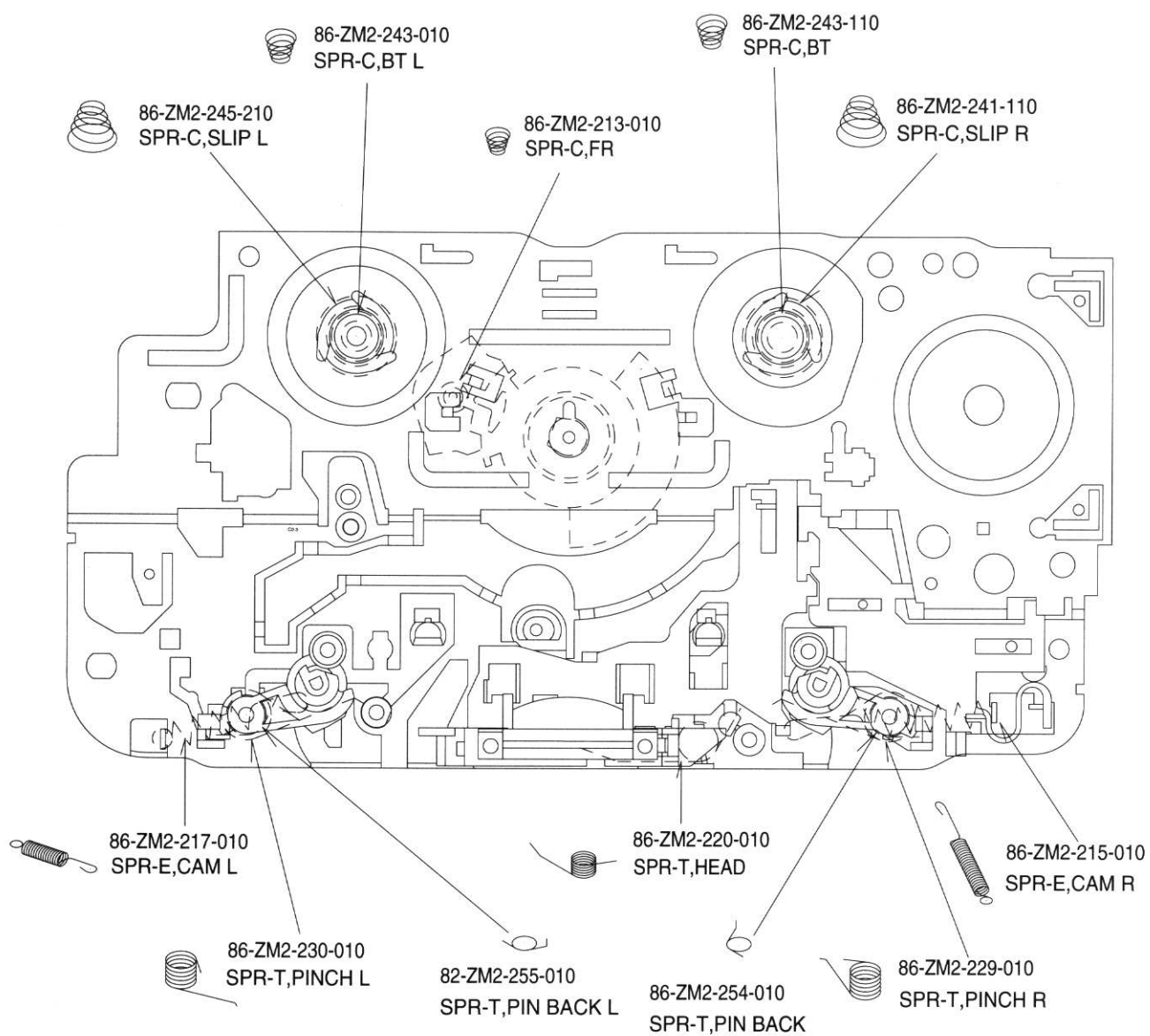


TAPE MECHANISM PARTS LIST 1 / 1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-ZM2-255-010		SPR-T, PIN BACK L	26	86-ZM2-235-010		SHAFT, REEL L
2	86-ZM2-286-110		GUIDE, TAPE REC	27	86-ZM2-223-010		LEVER, PIN UP L
3	86-ZM2-220-010		SPR-T, HEAD	28	86-ZM2-233-010		LEVER, REEL L
4	86-ZM2-285-110		LEVER, HEAD REC	29	86-ZM2-208-010		GEAR, A
5	86-ZM2-247-010		LEVER, MS	30	86-ZM2-217-010		SPR-E, CAM L
6	86-ZM2-226-010		ROLLER ASSY, PINCH	31	86-ZM2-216-010		LEVER, CAM L
7	86-ZM2-254-010		SPR-T, PIN BACK	32	84-ZM1-280-010		PULLY PM
8	86-ZM2-230-010		SPR-T, PINCH L	33	86-ZM2-243-010		SPR-C, BT L
9	86-ZM2-229-010		SPR-T, PINCH R	34	86-ZM2-214-010		LEVER, CAM R
10	86-ZM2-240-010		CAP, REEL	35	86-ZM2-215-010		SPR-E, CAM R
11	86-ZM2-234-010		SHAFT, REEL R	36	86-ZM2-222-010		LEVER, PIN UP R
12	86-ZM2-273-010		LEVER, SW 8.4	37	86-ZM2-218-010		LEVER, HEAD UP
13	86-ZM2-290-010		CHAS ASSY, P4	A	86-ZM2-296-010		S-SCREW, +1.4-8.45
14	86-ZS2-312-010		SPR-P, 6A-MOT	B	87-067-430-010		VT2+1.4-5 SWCH/CR BLK HL
15	86-ZM2-232-010		LEVER, REEL R	C	87-067-516-010		W-P, 1.58-3-0.25 SLIT
16	86-ZM2-258-210		GEAR, REW	D	87-067-860-010		W-P, 0.95-3-0.4
17	86-ZM2-243-110		SPR-C, BT	E	86-ZM2-277-010		W-P, 0.8-3-0.2 SLT
18	86-ZM2-302-010		BELT, R1	F	86-ZM2-269-110		SH, 1.2-2.9-0.25 SL
19	86-ZM2-209-010		GEAR, B	G	86-ZM2-279-010		W-L, 1.76-4-0.125
20	86-ZM2-238-010		GEAR, FF REW	H	86-ZM2-303-010		SPACER, 1.4-3-0.2
21	86-ZM2-245-210		SPR-C, SLIP L	I	86-ZM2-278-010		W-P, 1.36-4-0.2 SLT
22	86-ZM2-237-010		GEAR, PLAY				
23	86-ZM2-241-110		SPR-C, SLIP R				
24	86-ZM2-272-010		LEVER, SW P 8.4				
25	86-ZM2-236-010		CAP, SLIP				

SPRING APPLICATION POSITION



ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-HJ3-903-010		IB, EX-EC-799<799AH, 799DAH, 799YH>
1	87-HJ3-901-010		IB, EX-ESF<779AU, 779DAH>
1	87-HJ3-902-010		IB, EX-F<779AU>
2	86-HJ4-950-010		CASE, CARRYING
△ 3	87-009-724-010		PLUG, CONVERSION IR39<799DAH, 779DAH>
4	87-041-083-110		MIC, CM-S40A
5	87-B30-001-010		BAT, NB-4A PH
6	87-B30-002-010		CHARGER, RB-106 H<EXCEPT 779AU, 799YH>
6	87-B30-099-010		CHARGER, RB-106 U<779AU>
7	87-B30-093-010		HEADPHONE, HP-MR016<779AU, 779DAH>
7	87-B30-100-010		HEADPHONE, HP-MR018<799AH, 799DAH, 799YH>

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

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