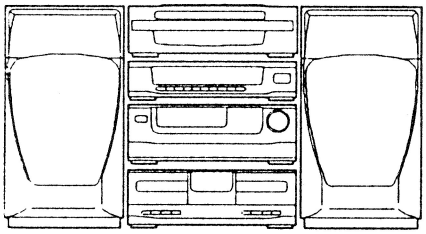
aiwa

aiwa SERVICE

Z-D3400M

SERVICE MANUAL



STEREO SYSTEM

• BASIC TAPE MECHANISM : 2ZM-1 P5, R5 • TYPE: HE,LH

AMPLIFIER	CASSETTE DECK	TUNER	SPEAKER
MX-Z3400M	FX-WZ3400	TX-Z9400	SX-FZ3400

As to the service information of TUNER, see the individual service manual of original. (S/M Code No. 09-965-128-4FP)

• As to the service information of SPEAKER, see the individual service manual of original. (S/M Code No. 09-964-137-8FP)

S/M Code No. 09-963-132-3FP

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SPECIFICATIONS

TUNER TX-Z9400

<FM tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity(IHF)	13.2 dBf (1.2 µV, 75 ohms)
Antenna terminals	75 ohms (unbalanced)

<AM tuner section>

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

<General>

Dimension (W x H x D)	360 x 88.5 x 320.5 mm (14 1/4 x 3 1/2 x 12 9/16 in.)
Weight	1.6 kg (3 lbs 8 oz)

AMPLIFIER MX-Z3400M

Power requirements	120/220 – 230/240 V AC switchable 50/60 Hz
Power consumption	95 W (System total 120 W)
Power output	Rated: 65 W + 65 W (without connecting to the SURROUND SPEAKERS, 6 ohms, T.H.D. 1 %, 1 kHz) Reference: 85 W + 85 W (without connecting to the SURROUND SPEAKERS, 6 ohms, T.H.D. 10 %, 1 kHz)
Total harmonic distortion	0.1 % (12 W, 1 kHz, 6 ohms)
Outputs	SPEAKERS: accepts speakers of 6 ohms or more PHONES (stereo standard jack): accepts headphones of 32 ohms or more SUPER WOOFER: 1.5V MONITOR OUT: 1 Vp-p (75 ohms) REC OUT: 300 mV (1 kohm) SURROUND SPEAKERS: accepts speakers of 16 ohms or more
Inputs	VIDEO 1/AUX 1: 150 mV (39 kohms) VIDEO 2/AUX 2: 150 mV (39 kohms) PHONO IN: 500 mV or more (36 kohms) MIC 1, MIC 2: 1.1 mV (10 kohms)
Dimension (W x H x D)	360 x 128.5 x 329 mm (14 1/4 x 5 1/8 x 13 in.)
Weight	5.8 kg (12 lbs 14 oz)

STEREO CASSETTE DECK FX-WZ3400

Track format	4 tracks, 2 channels stereo
Frequency response	Metal tape: 20 Hz – 17000 Hz CrO_2 tape: 20 Hz – 16000 Hz Normal tape: 20 Hz –15000 Hz
Signal-to-noise ratio	65 dB (Dolby NR ON, metal tape peak level above 5 kHz)
Wow and flutter	0.12 % (WRMS) ± 0.19 % (WPEAK)
Recording system	AC bias
Heads	Deck 1: Playback head x 1 Deck 2: Recording/playback/ erase head x 1
Dimension (W x H x D)	360 x 128.5 x 313 mm (14 1/4 x 5 1/8 x 12 9/16 in.)
Weight	2.7 kg (5 lbs 15 oz)

SPEAKER SYSTEM SX-FZ3400

Cabinet type	4 way, bass reflex (Magnetism sealed type)
Speaker	Woofer: 220 mm (8 3/4 in.) cone type Mid-range: 80mm (3 1/4 in.) cone type Tweeter: 50 mm (2 in.) ceramic type Super tweeter: 20 mm (13/16 in.) ceramic type Surround speaker: 80mm (3 1/4 in.)
Impedance	Front speaker: 6 ohms Surround speaker: 16 ohms
Output sound pressure level	90 dB/W/m
Dimensions (W x H x D)	260 x 456 x 300 mm (10 1/4 x 28 x 11 13/16 in.)
Weight	5.9 kg (15 lbs 14 oz)

- Design and specifications are subject to change without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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  Under license from BBE Sound, Inc.

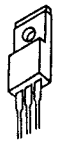
TRANSISTOR ILLUSTRATION (MX-Z3400M, FX-WZ3400)

E C B

2SC3266
KTA1266
2SA1296
2SC1815

E C B

2SA1015
2SA952
2SC2001
KTC3198



B C E

2SB1370

E C B

2SC3331

E C B

2SA933
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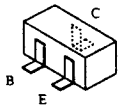
DTC144ES



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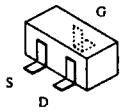
DTC144EK
DTC143TK



2SK368

ACCESSORIES / PACKAGE LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	85-VP2-901-019		IB.HE(E,C)-S
2	85-VP2-619-019		RC.RC-T511
3	87-099-789-019		PLUG,ADPTR IR44

MODEL NO.

MX-Z3400M

ELECTRICAL MAIN PARTS LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	86-VP4-610-010		IC,LC866416-5A52
	87-A20-067-040		C-IC,M65849FP
	87-A20-060-019		IC,STK-419-110
	87-002-223-089		IC,TC4051BF
	87-017-915-089		IC,BU4094BCF
	87-001-607-089		IC,NJM4558M
	87-A20-166-019		C-IC,BA3834F
	87-A20-156-019		IC,BA3880S
	87-A20-107-019		IC,BA3836
	87-017-726-089		IC,BU4052 BCF
	87-001-528-019		IC,LC7522
	87-001-530-019		IC,LA 3607
	87-027-938-019		IC,TC4053BP
	87-027-958-019		IC,TC4051BP
TRANSISTOR			
	87-026-462-089		TR, 2SC1740S (RS)
	89-320-011-089		TR,2SC2001
	87-026-609-089		TR, KTA1266GR
	89-213-702-019		TR 2SB1370E
	87-026-463-089		TR, 2SA933S (RS)
	89-332-665-089		TR,2SC3266GR
	87-026-227-089		TR,DTA114EK
	89-110-155-089		TR,2SA1015GR
	87-026-610-089		TR, KTC3198GR
	89-327-125-089		C-TR,2SC2712GR
	89-111-625-089		C-TR,2SA1162GR
	89-109-352-089		TR,2SA 935 Q
	87-026-210-089		C-TR,DTC144EK T147
	89-337-221-389		C-TR 2SC3722K
	87-026-269-089		TR,DTA114ES
	89-333-266-089		C-TR,2SC3326B
	89-333-317-089		TR,2SC3331T
	87-026-235-089		C-TR,DTC114EK
DIODE			
	87-001-913-089		ZENER UTZJ5.6B
	87-001-911-089		ZENER,UTZJ4.7A (TAPG)
	87-020-465-089		DIODE,1SS133
	87-002-225-019		DIODE DBF 40C-K10
	87-017-978-089		DIODE,1N4003
	87-017-146-089		ZENER,HZS30-2
	87-020-027-089		C-DIODE,1SS184
	87-020-125-089		C-DIODE,1SS181
	87-017-174-089		ZENER,HZS11A3L
	87-017-093-089		ZENER,HZS5C3
	87-001-915-089		ZENER UTZJ6.8A
MAIN C.B			
C27	87-010-405-089		CAP,E 10-50 SME
C28	87-010-385-089		CAP,E 220-25 SME
C73	87-010-101-089		CAP,E 220-16 SME
C74	87-010-101-089		CAP,E 220-16 SME
C101	87-016-520-099		CAP E 3300-65 SMG
C102	87-016-520-099		CAP E 3300-65 SMG
C103	87-010-453-099		CAP ELECT 4700-25V SME
C104	87-010-453-099		CAP ELECT 4700-25V SME
C105	87-010-196-089		C-CAP,S 0.1-25 F
C106	87-010-196-089		C-CAP,S 0.1-25 F
C107	87-010-196-089		C-CAP,S 0.1-25 F
C108	87-010-196-089		C-CAP,S 0.1-25 F
C109	87-010-196-089		C-CAP,S 0.1-25 F
C110	87-010-196-089		C-CAP,S 0.1-25 F
C112	87-010-409-089		CAP,E 220-50 SME
C114	87-010-263-089		CAP,E 100-10 SME 5X11
C115	87-010-260-089		CAP,E 47-25 SME
C116	87-010-403-089		CAP,E 3.3-50 SME
C118	87-012-140-089		C-CAP,S 470P-50 CH
C119	87-010-382-089		CAP,E 22-25 SME
C120	87-010-196-089		C-CAP,S 0.1-25 F
C121	87-010-196-089		C-CAP,S 0.1-25 F
C122	87-010-390-099		CAP,E 3300-25 SME
C131	87-010-196-089		C-CAP,S 0.1-25 F
C132	87-010-196-089		C-CAP,S 0.1-25 F
C178	87-010-197-089		C-CAP,S 0.01-25 B
C179	87-010-197-089		C-CAP,S 0.01-25 B
C209	87-010-805-089		C-CAP,S 5 1-16F
C221	87-010-401-089		CAP,E 1-50 SME
C222	87-010-401-089		CAP,E 1-50 SME
C223	87-010-178-089		C-CAP,S 1000P-50 B
C224	87-010-178-089		C-CAP,S 1000P-50 B
C227	87-010-404-089		CAP,E 4.7-50 SME
C228	87-010-404-089		CAP,E 4.7-50 SME
C229	87-010-404-089		CAP,E 4.7-50 SME
C230	87-010-404-089		CAP,E 4.7-50 SME
C231	87-010-148-089		C-CAP,S 4P-50 CH
C232	87-010-148-089		C-CAP,S 4P-50 CH
C235	87-010-196-089		C-CAP,S 0.1-25 F
C236	87-010-196-089		C-CAP,S 0.1-25 F
C239	87-010-190-089		C-CAP,S 0.01-50 F
C240	87-010-190-089		C-CAP,S 0.01-50 F
C241	87-010-197-089		C-CAP,S 0.01-25 B
C242	87-018-134-089		CAP,TC-U 0.01-16 Y
C243	87-010-318-089		C-CAP,S 47P-50 CH
C244	87-010-318-089		C-CAP,S 47P-50 CH
C247	87-012-140-089		C-CAP,S 470P-50 CH
C248	87-012-140-089		C-CAP,S 470P-50 CH
C249	87-A10-214-019		CAP,E 22-63
C250	87-A10-214-019		CAP,E 22-63
C260	87-010-196-089		C-CAP,S 0.1-25 F
C301	87-010-408-089		CAP,E 47-50 SME
C302	87-018-123-089		CAP,TC-U 220P-50 B
C303	87-012-156-089		C-CAP,S 220P-50 CH
C304	87-012-156-089		C-CAP,S 220P-50 CH
C351	87-010-197-089		C-CAP,S 0.01-25 B
C352	87-010-197-089		C-CAP,S 0.01-25 B
C401	87-010-182-089		C-CAP,S 2200P-50 B
C402	87-010-182-089		C-CAP,S 2200P-50 B
C403	87-010-546-089		CAP,E 0.33-50 SME
C404	87-010-546-089		CAP,E 0.33-50 SME
C405	87-010-321-089		C-CAP,S 82P-50 CH
C406	87-010-321-089		C-CAP,S 82P-50 CH
C407	87-012-358-089		C-CAP,S 0.47-10F
C408	87-012-358-089		C-CAP,S 0.47-10F
C410	87-010-177-089		C-CAP,S 820P-50 SL
C413	87-010-405-089		CAP,E 10-50 SME
C414	87-010-405-089		CAP,E 10-50 SME
C415	87-010-405-089		CAP,E 10-50 SME
C416	87-010-405-089		CAP,E 10-50 SME
C417	87-010-194-089		CAP,S 0.047-25F<ME>
C501	87-010-177-089		C-CAP,S 820P-50 SL
C502	87-010-177-089		C-CAP,S 820P-50 SL
C503	87-010-405-089		CAP,E 10-50 SME

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C504	87-010-405-089		CAP,E 10-50 SME
C505	87-010-260-089		CAP,E 47-25 SME
C506	87-010-260-089		CAP,E 47-25 SME
C507	87-010-188-089		C-CAP,S 6800P-50 B
C508	87-010-188-089		C-CAP,S 6800P-50 B
C509	87-016-127-089		CAP,TC-U 470P-50 B
C510	87-016-127-089		CAP,TC-U 470P-50 B
C511	87-010-197-089		C-CAP,S 0.01-25 B
C512	87-010-197-089		C-CAP,S 0.01-25 B
C513	87-010-195-089		C-CAP,S 0.068-25 F
C514	87-010-195-089		C-CAP,S 0.068-25 F
C515	87-010-404-089		CAP,E 4.7-50 SME
C516	87-010-404-089		CAP,E 4.7-50 SME
C518	87-010-404-089		CAP,E 4.7-50 SME
C519	87-010-404-089		CAP,E 4.7-50 SME
C526	87-010-405-089		CAP,E 10-50 SME
C527	87-010-404-089		CAP,E 4.7-50 SME
C529	87-010-384-089		CAP,E 100-25 SME
C530	87-010-197-089		C-CAP,S 0.01-25 B
C531	87-010-183-089		C-CAP,S 2700P-50 B
C534	87-010-406-089		CAP,E 22-50 SME
C535	87-010-404-089		CAP,E 4.7-50 SME
C536	87-010-404-089		CAP,E 4.7-50 SME
C537	87-010-545-089		CAP,E 0.22-50 SME
C539	87-018-208-089		CAP,TC-U 0.047-50 F
C541	87-010-404-089		CAP,E 4.7-50 SME
C670	87-010-405-089		CAP,E 10-50 SME
C671	87-010-400-089		CAP,E 0.47-50 SME
C681	87-016-072-089		CAP,E 0.47-50 FX
C682	87-016-072-089		CAP,E 0.47-50 FX
C683	87-010-401-089		CAP,E 1-50 SME
C684	87-010-401-089		CAP,E 1-50 SME
C685	87-010-400-089		CAP,E 0.47-50 SME
C686	87-010-400-089		CAP,E 0.47-50 SME
C687	87-010-401-089		CAP,E 1-50 SME
C688	87-010-401-089		CAP,E 1-50 SME
C689	87-016-096-089		CAP,E 47-16 FX
C690	87-016-096-089		CAP,E 47-16 FX
C701	87-010-260-089		CAP,E 47-25 SME
C702	87-012-140-089		C-CAP,S 470P-50 CH
C703	87-010-260-089		CAP,E 47-25 SME
C704	87-010-260-089		CAP,E 47-25 SME
C705	87-010-404-089		CAP,E 4.7-50 SME
C706	87-010-404-089		CAP,E 4.7-50 SME
C707	87-010-404-089		CAP,E 4.7-50 SME
C708	87-010-404-089		CAP,E 4.7-50 SME
C709	87-010-404-089		CAP,E 4.7-50 SME
C710	87-010-404-089		CAP,E 4.7-50 SME
C711	87-012-158-089		C-CAP,S 390P-50 CH
C712	87-012-158-089		C-CAP,S 390P-50 CH
C713	87-010-402-089		CAP,E 2.2-50 SME
C714	87-010-402-089		CAP,E 2.2-50 SME
C717	87-010-546-089		CAP,E 0.33-50 SME
C718	87-010-546-089		CAP,E 0.33-50 SME
C721	87-010-544-089		CAP,E 0.1-50
C727	87-010-189-089		C-CAP,S 8200P-50 B
C728	87-010-189-089		C-CAP,S 8200P-50 B
C730	87-010-213-089		C-CAP,S 0.015-25B
C731	87-010-184-089		C-CAP,S 3300P-50 B
C732	87-010-184-089		C-CAP,S 3300P-50 B
C735	87-010-178-089		C-CAP,S 1000P-50 B
C736	87-010-178-089		C-CAP,S 1000P-50 B
C739	87-012-140-089		C-CAP,S 470P-50 CH
C740	87-012-140-089		C-CAP,S 470P-50 CH
C743	87-012-140-089		C-CAP,S 470P-50 CH
C751	87-012-154-089		C-CAP,S 150P-50 CH
C758	87-012-154-089		C-CAP,S 150P-50 CH
C802	87-010-197-089		C-CAP,S 0.01-25 B
C803	87-010-197-089		C-CAP,S 0.01-25 B
C804	87-010-184-089		C-CAP,S 3300P-50 B<LH>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C804	87-010-187-089		C-CAP,S 5600P-50 B<HE>
C805	87-010-184-089		C-CAP,S 3300P-50 B<LH>
C805	87-010-187-089		C-CAP,S 5600P-50 B<HE>
C806	87-010-221-089		CAP,E 470-10 SME 11L
C807	87-010-221-089		CAP,E 470-10 11L
C808	87-010-374-089		CAP,E 47-10 11L
C811	87-010-406-089		CAP,E 22-50 SME
C812	87-010-406-089		CAP,E 22-50 SME
C926	87-010-404-089		CAP,E 4.7-50 SME
CN101	85-VP2-618-119		CONN ASSY,10P TSL
FB802	87-008-372-089		FLTR,EMI BL 01RN1
J101	87-099-277-019		JACK,6.3 M/S
J102	87-009-911-019		JACK,PIN 2P YEL
J104	87-033-225-019		TERMINAL,SP-4P N
J801	81-VP1-634-019		JACK,PIN 3P
J802	81-VP1-634-019		JACK,PIN 3P
J803	81-VP1-634-019		JACK,PIN 3P
J804	87-009-393-019		JACK,PIN 2P EARTH
L101	87-005-366-019		COIL, 1UH
L102	87-005-366-019		COIL, 1UH
MIC401	87-099-064-019		JACK 6.3 M/S
MIC402	87-099-064-019		JACK 6.3 M/S
R29	87-025-473-089		RES,NF 10-1/4W J
R122	87-029-361-089		RES,FUSE 0.47-1/2W
R171	87-022-600-089		RES,M/F 0.1-2W J
R172	87-022-600-089		RES,M/F 0.1-2W J
RY101	87-045-389-019		RELAY,OSA-SA-212DM5
RY102	87-045-582-019		RELAY,OUA2-SH-112L
V801	84-VP2-632-019		VR,50KBX2 RK1210
V802	84-VP2-632-019		VR,50KBX2 RK1210
VR301	81-VP1-627-019		VOL,100KW RK11K112
VR401	81-VP1-622-019		VR,10KA RK11K112
VR402	81-VP1-622-019		VR,10KA RK11K112
W901	88-906-201-119		FF-CABLE,6P 1.25

FRONT C.B

C1	87-010-263-049		CAP,E 100-10
C2	87-015-695-049		CAP,E 1-50 7L
C3	87-010-195-089		C-CAP,S 0.068-25 F
C4	87-010-079-049		CAP,E 100-6.3 5L
C6	87-010-196-089		C-CAP,S 0.1-25 F
C7	87-010-316-089		C-CAP,S 33P-50 CH
C8	87-010-316-089		C-CAP,S 33P-50 CH
C9	87-010-197-089		C-CAP,S 0.01-25 B
C10	87-010-405-049		CAP,E 10-50 SME
C11	87-010-401-089		CAP,E 1-50 SME
C12	87-010-401-089		CAP,E 1-50 SME
C13	87-010-194-089		C-CAP,S 0.047-25 F
C14	87-010-405-049		CAP,E 10-50 SME
C15	87-012-156-089		C-CAP,S 220P-50CH
C41	87-010-112-049		CAP,E 100-16
C251	87-010-197-089		C-CAP,S 0.01-25 B
C252	87-010-197-089		C-CAP,S 0.01-25 B
C401	87-010-196-089		C-CAP,S 0.1-25 F
C402	87-010-196-089		C-CAP,S 0.1-25 F
C403	87-010-196-089		C-CAP,S 0.1-25 F
C404	87-010-197-089		C-CAP,S 0.01-25 B
C405	87-010-322-089		C-CAP,S 100P-50 CH
C406	87-010-196-089		C-CAP,S 0.1-25 F
FL1	82-VP2-615-019		FL,BJ124 GK
L3	87-005-481-089		COIL,47UH J FLR50
SW1	87-036-215-089		SW,TACT EVQ21404M
SW2	87-036-215-089		SW,TACT EVQ21404M
SW3	87-036-215-089		SW,TACT EVQ21404M
SW5	87-036-215-089		SW,TACT EVQ21404M
SW6	87-036-215-089		SW,TACT EVQ21404M
SW7	87-036-215-089		SW,TACT EVQ21404M
SW9	87-036-215-089		SW,TACT EVQ21404M
SW10	87-036-215-089		SW,TACT EVQ21404M
SW11	87-036-215-089		SW,TACT EVQ21404M

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
SW12	87-036-215-089		SW,TACT EVQ21404M
SW13	87-036-215-089		SW,TACT EVQ21404M
SW17	87-036-215-089		SW,TACT EVQ21404M
SW18	87-036-215-089		SW,TACT EVQ21404M
SW20	87-036-215-089		SW,TACT EVQ21404M
SW21	87-036-215-089		SW,TACT EVQ21404M
SW22	87-036-215-089		SW,TACT EVQ21404M
SW23	87-036-215-089		SW,TACT EVQ21404M
SW24	87-036-215-089		SW,TACT EVQ21404M
SW25	87-036-215-089		SW,TACT EVQ21404M
SW26	87-036-215-089		SW,TACT EVQ21404M
SW27	87-036-215-089		SW,TACT EVQ21404M
SW28	87-036-215-089		SW,TACT EVQ21404M
SW29	87-036-215-089		SW,TACT EVQ21404M
SW30	87-036-215-089		SW,TACT EVQ21404M
SW31	87-036-215-089		SW,TACT EVQ21404M
SW32	87-036-215-089		SW,TACT EVQ21404M
VR1	82-VP2-636-019		VR,SL10K B

VR C.B

C201	87-010-405-049		CAP,E 10-50 SME
C202	87-010-405-049		CAP,E 10-50 SME
C203	87-010-404-049		CAP,E 4.7-50 SME
C204	87-010-404-049		CAP,E 4.7-50 SME
C205	87-010-263-049		CAP,E 100-10
C206	87-010-263-049		CAP,E 100-10
C207	87-010-318-089		C-CAP,S 47P-50 CH
C208	87-010-318-089		C-CAP,S 47P-50 CH
C209	87-010-404-049		CAP,E 4.7-50 SME
C210	87-010-188-089		C-CAP,S 6800P-50 B
C211	87-010-180-089		C-CAP,S 1500P-50 B
C212	87-010-195-089		C-CAP,S 0.068-25 F
C215	87-010-195-089		C-CAP,S 0.068-25 F
C216	87-010-188-089		C-CAP,S 6800P-50 B
C217	87-010-180-089		C-CAP,S 1500P-50 B
C218	87-012-141-089		C-CAP,S 0.22-16E
C219	87-010-194-089		C-CAP,S 0.047-25 F
C220	87-010-182-089		C-CAP,S 2200P-50 B
C221	87-010-196-089		C-CAP,S 0.1-25 F
C222	87-010-194-089		C-CAP,S 0.047-25F

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C223	87-010-177-089		C-CAP,S 820P-50 SL
C224	87-010-314-089		C-CAP,S 22P-50CH
C225	87-010-314-089		C-CAP,S 22P-50CH
C226	87-010-314-089		C-CAP,S 22P-50CH
C295	87-010-197-089		C-CAP,S 0.01-25 B
C311	87-010-405-049		CAP,E 10-50 SME
C312	87-010-405-049		CAP,E 10-50 SME
C313	87-010-404-049		CAP,E 4.7-50 SME
C314	87-010-404-049		CAP,E 4.7-50 SME
C315	87-012-154-089		C-CAP,S 150P-50 CH
C316	87-012-154-089		C-CAP,S 150P-50 CH
C317	87-010-404-049		CAP,E 4.7-50 SME
C318	87-010-404-049		CAP,E 4.7-50 SME
L221	87-005-481-089		COIL,47UH J FLR50
VR211	82-VP2-639-019		VR,50KBX2 MOTOR(SH)

AC 2 C.B

	87-033-213-089		CLAMP FUSE SMK
F4	87-035-369-019		FUSE,5A 250V TE
F5	87-035-369-019		FUSE,5A 250V TE
R901	87-022-200-089		RES METAL 0.56-1W
R902	87-022-200-089		RES METAL 0.56-1W

AC H C.B

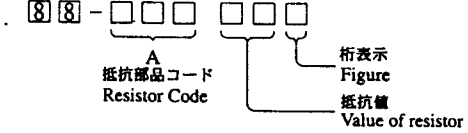
	87-033-147-019		CLAMP,FUSE
	82-304-743-019		TERMINAL,1P
F101	87-035-368-019		FUSE,4A 250V T E
PT1	86-VP4-612-019		PT,6VP-4 H

AC SW C.B

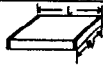
SW101	87-036-173-019		SW,SL 2-2-4 SDKG

Oチップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

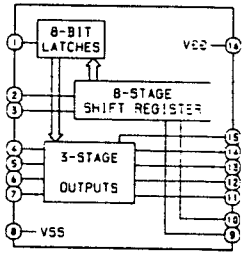


チップ抵抗
Chip resistor

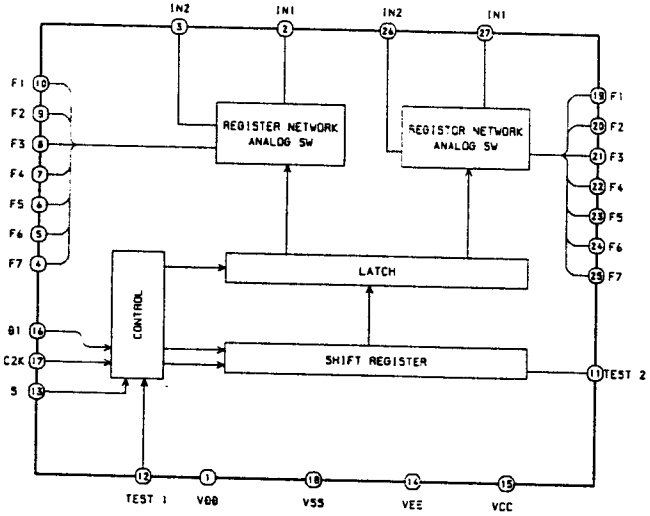
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外観／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

IC BLOCK DIAGRAM (MX-Z3400M)

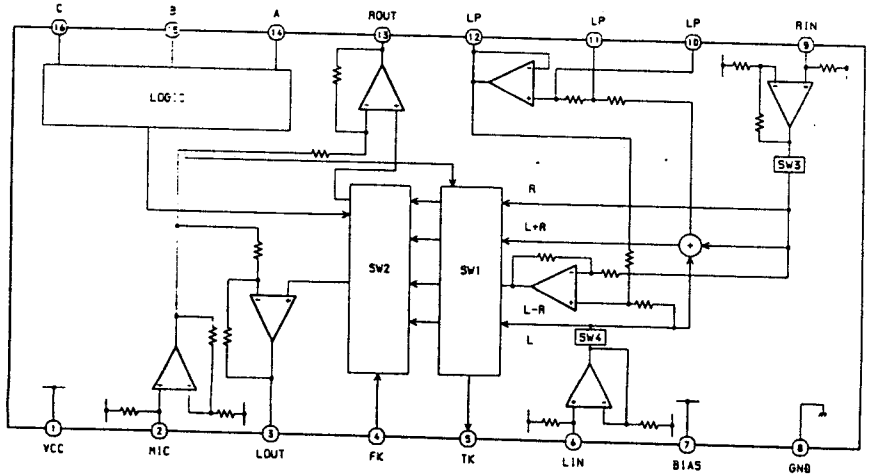
IC, BU4094BCF



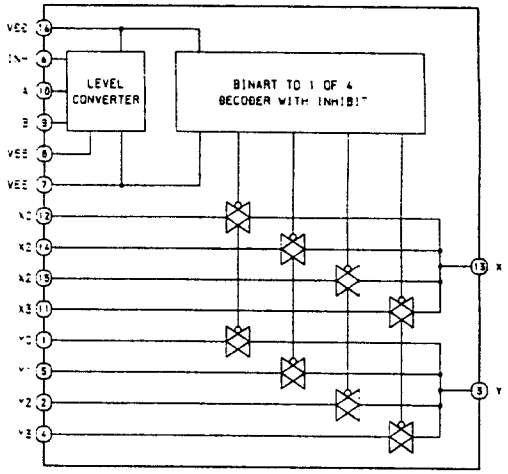
IC, LC7522



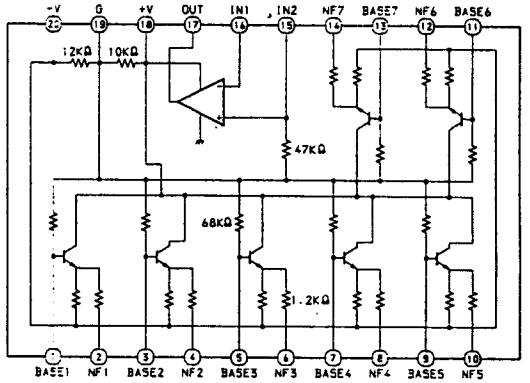
IC, BA3839



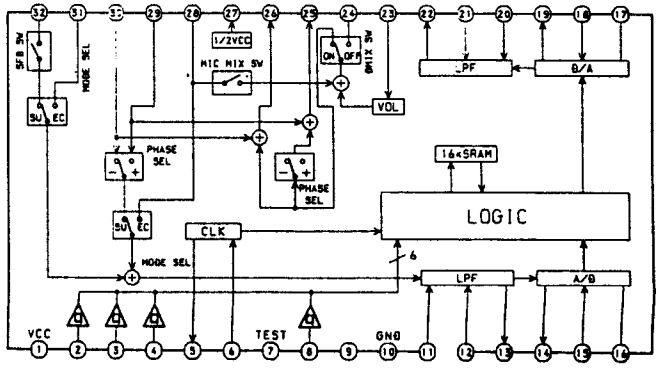
IC, BU4052BF



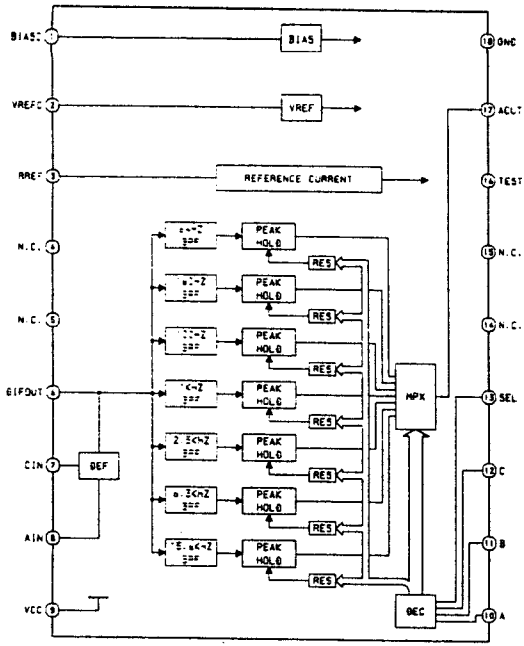
IC, LA3607



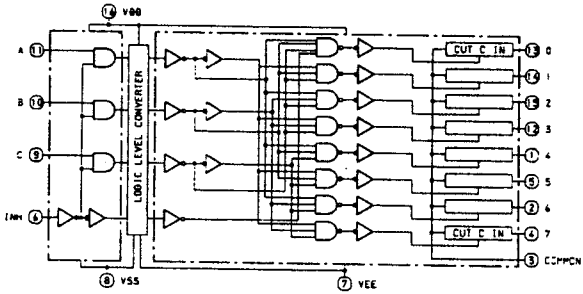
IC, M65849FP



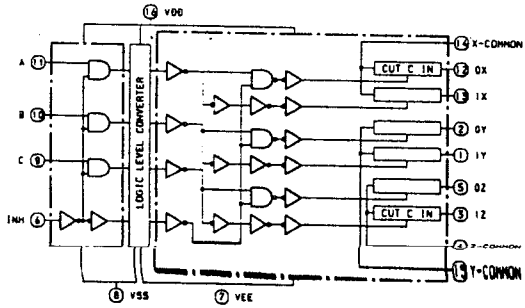
IC, BA3834S



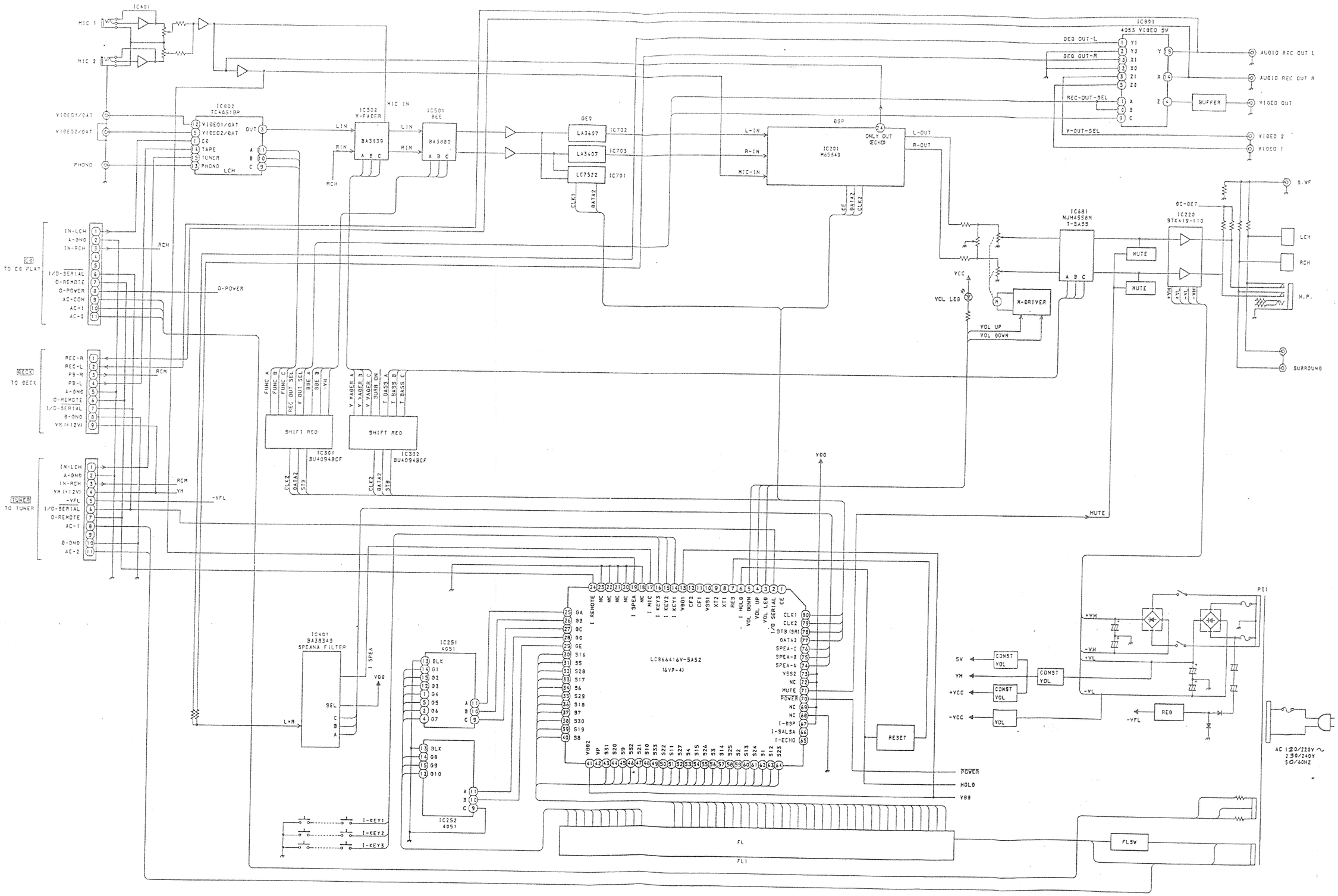
IC, TC4051BP

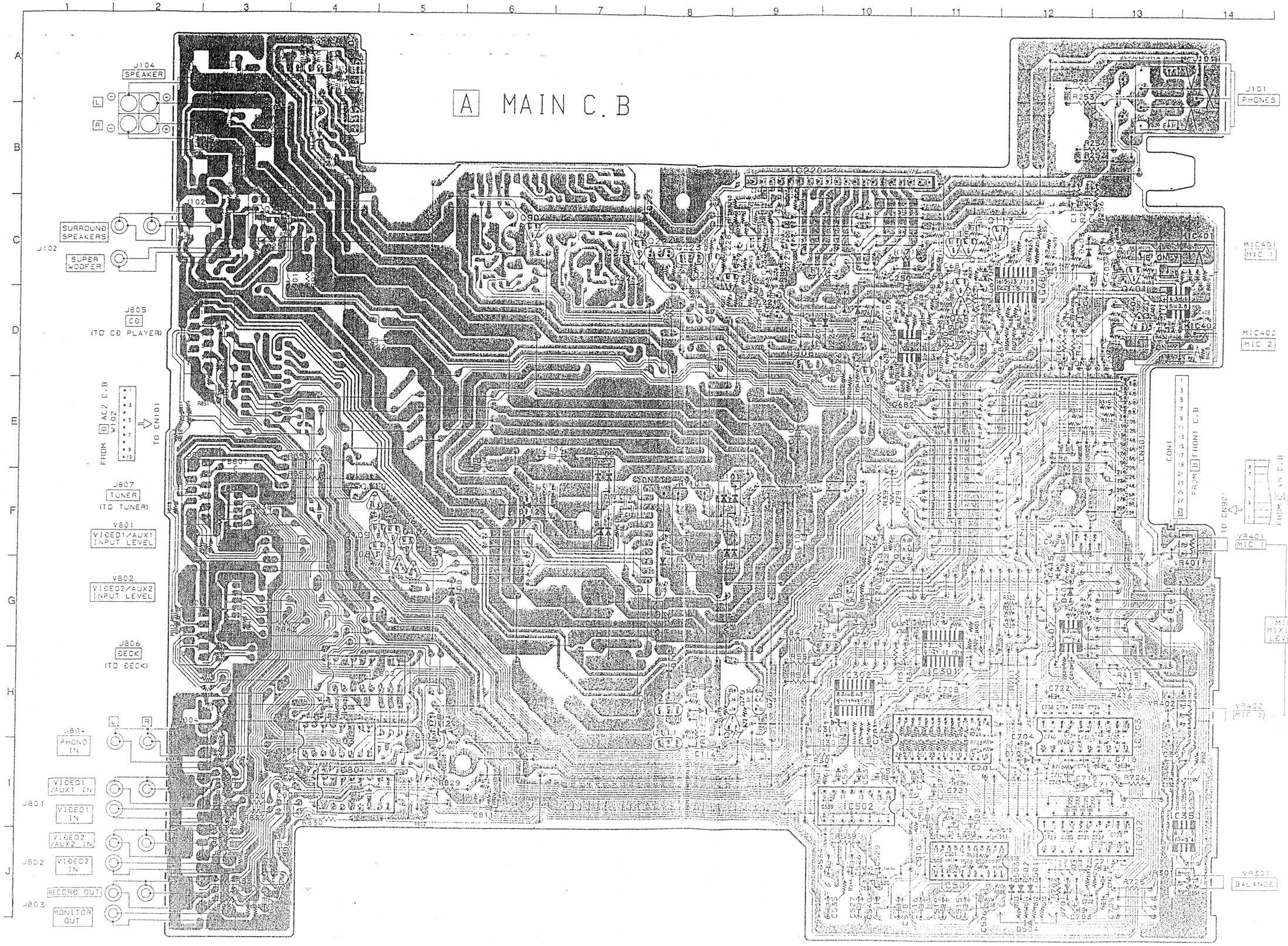


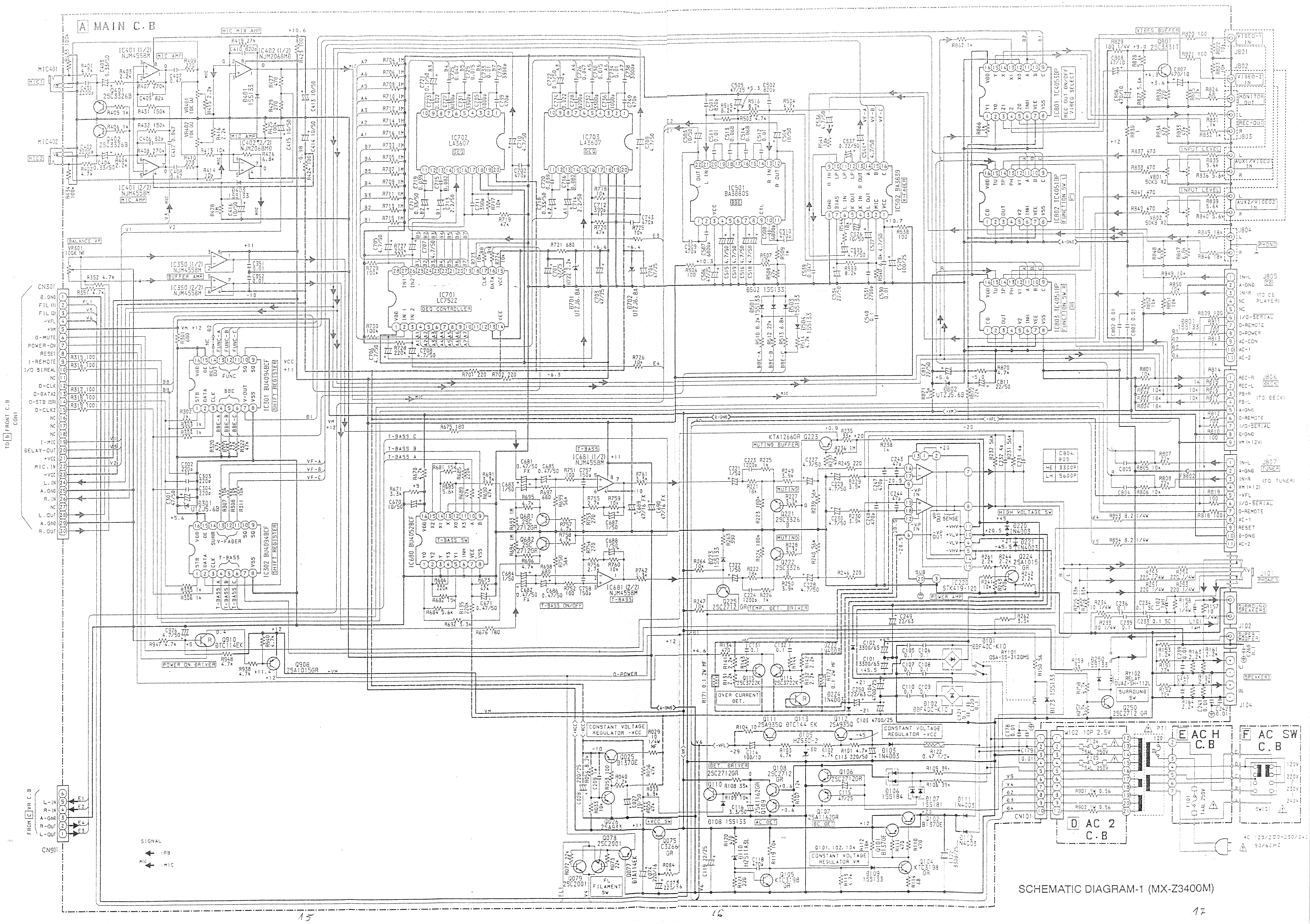
IC, TC4053BP



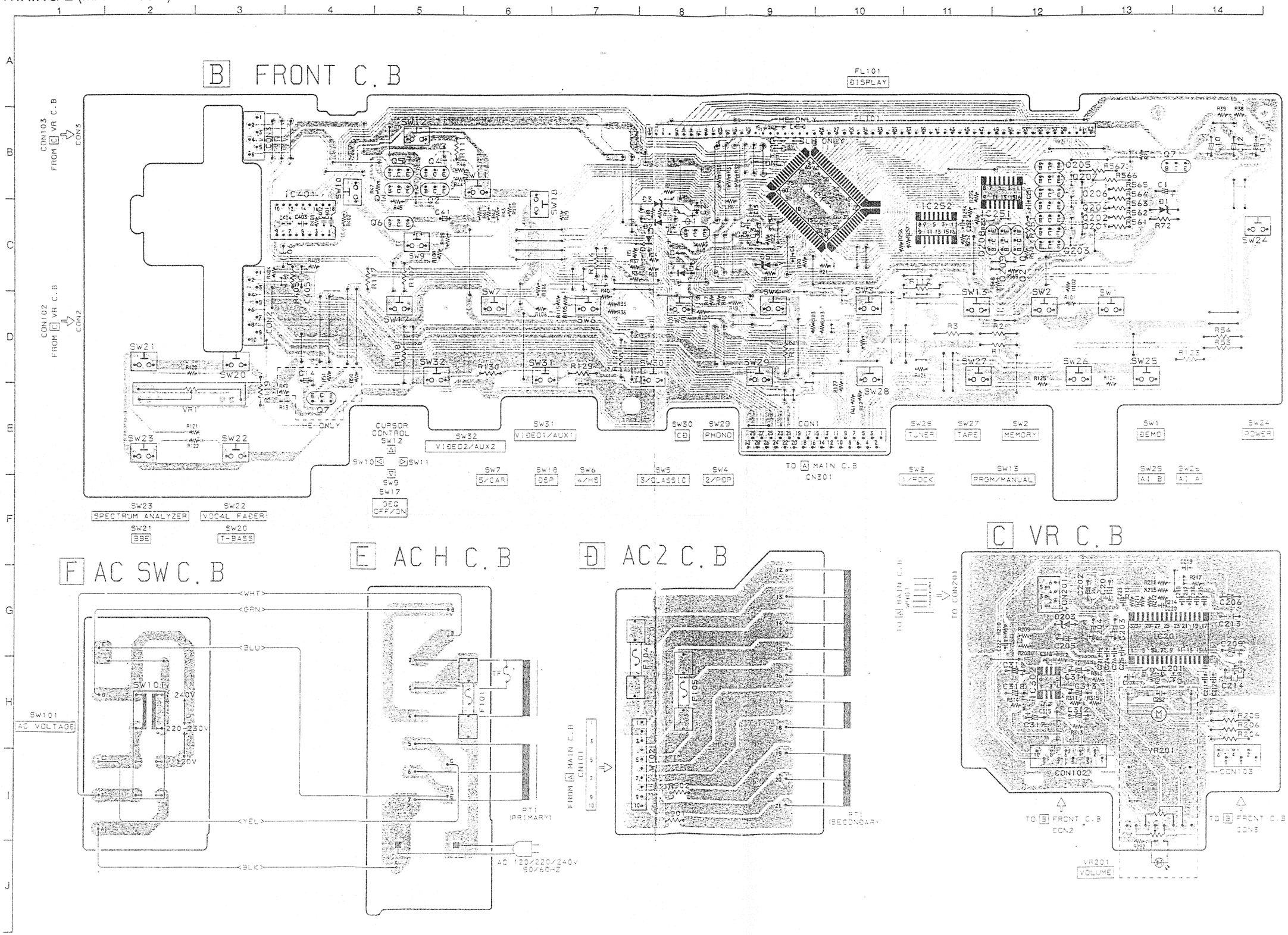
BLOCK DIAGRAM-1 (MX-Z3400M)

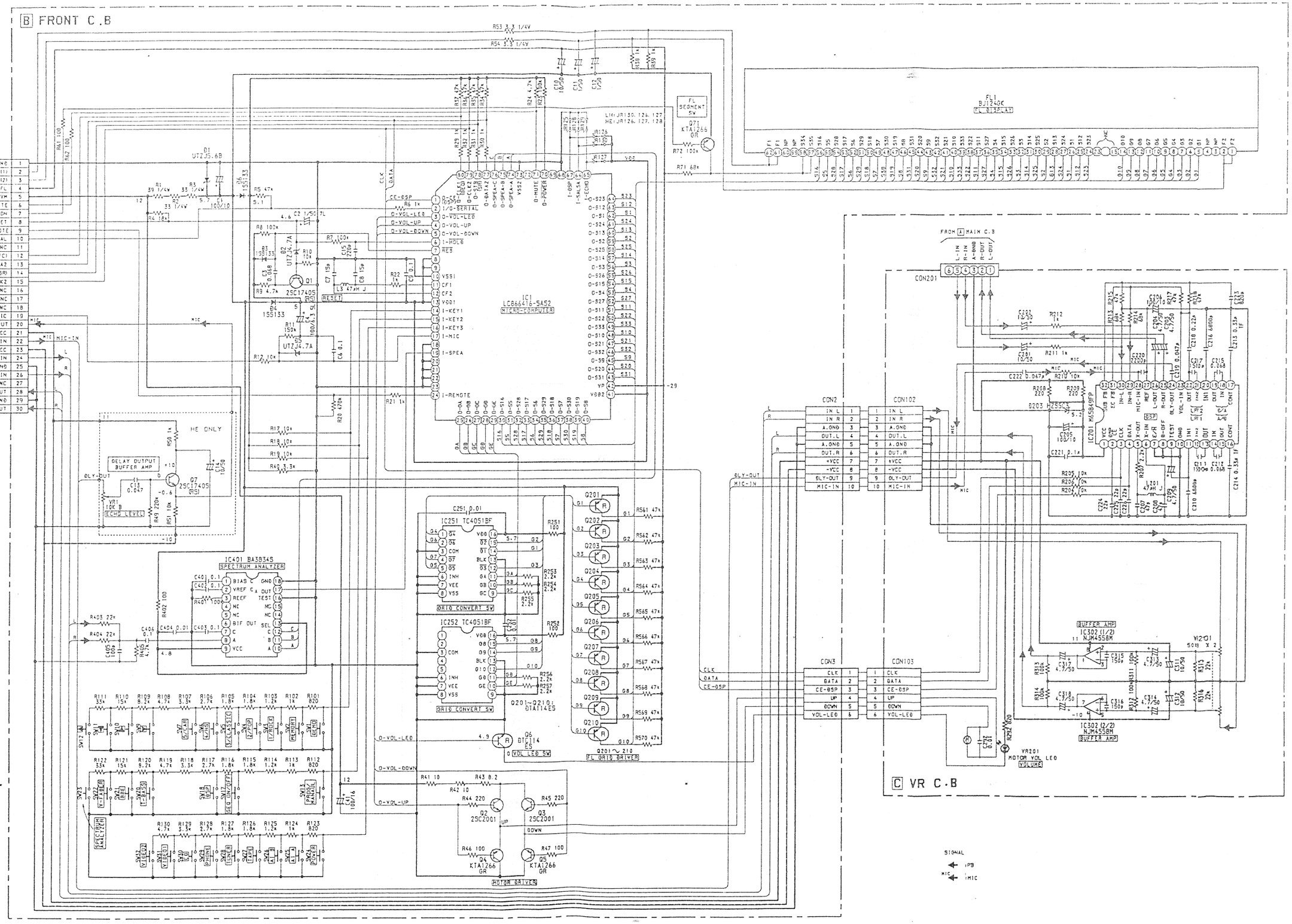



A MAIN C.B
J104 SPEAKER
L
R
SURROUND SPEAKERS
SUPER WOOFER
J102
J805 CD
(TO CD PLAYER)
FROM D AC2 C.B W102
TO CN101
J807 TUNER
(TO TUNER)
V801 VIDEO1/AUX1 INPUT LEVEL
V802 VIDEO2/AUX2 INPUT LEVEL
J806 DECK
(TO DECK)
J804 PHONO IN
J801 VIDEO1/AUX1 IN
VIDEO1 IN
J802 VIDEO2/AUX2 IN
VIDEO2 IN
J803 RECORD OUT
MONITOR OUT
J101 PHONES
MIC401 MIC 1
MIC402 MIC 2
FROM B FRONT C.B
TO CN901
VR401 MIC 1
MIC MIXING LEVEL
VR402 MIC 2
VR501 BALANCE



SCHEMATIC DIAGRAM-1 (MX-Z3400M)


B FRONT C.B
FL101
DISPLAY
CON103
FROM C VR C.B
CON3
CON102
FROM C VR C.B
CON2
SW12
SW10
SW11
SW9
SW17
GEQ OFF/ON
CURSOR CONTROL
SW32
VIDEO2/AUX2
SW31
VIDEO1/AUX1
SW30
CD
SW29
PHONO
SW7
S/CAR
SW18
DSP
SW6
4/HS
SW5
3/CLASSIC
SW4
2/POP
SW28
TUNER
SW27
TAPE
SW2
MEMORY
SW1
DEMO
SW24
POWER
SW13
PRGM/MANUAL
SW3
1/ROCK
SW25
A1 B
SW26
A1 A
TO A MAIN C.B
CN301
SW23
SPECTRUM ANALYZER
SW22
VOCAL FADER
SW21
BBE
SW20
T-BASS
F AC SW C.B
SW101
AC VOLTAGE
240V
230V
220V
120V
WHT
GRN
BLU
YEL
BLK
E AC H C.B
TP
F101
PT1
(PRIMARY)
AC 120/220/240V
50/60HZ
D AC2 C.B
FROM A MAIN C.B
CN101
F104
F105
PT1
(SECONDARY)
C VR C.B
TO A MAIN C.B
CN201
TO CON201
CON201
CON102
CON103
VR201
VOLUME
TO B FRONT C.B
CON2
TO B FRONT C.B
CON3


B FRONT C.B
CON1
CN301
TO A MAIN C.B
IC1 LC866416-5A52 MICRO-COMPUTER
IC401 BA3834S SPECTRUM ANALYZER
IC251 TC4051BF
IC252 TC4051BF
FL1 BJ1240K
FL SEGMENT 5V
Q71 KTA1266 GR
HE ONLY
DELAY OUTPUT BUFFER AMP
ECHO LEVEL
Q1 2SC1740S
Q2 2SC2001
Q3 2SC2001
Q4 KTA1266 GR
Q5 KTA1266 GR
Q6 DTC114 ES
Q201~Q210: DTA114ES
FL GRID DRIVER
MOTOR DRIVEN
VOL LED SW
ORID CONVERT SW
SPECTRUM ANALYZER
RESET
MIC
MIC-IN
DLY-OUT
CLK
DATA
CE-BSP
FROM A MAIN C.B
CON201
CON2
CON102
CON3
CON103
IC701 M65849FP
IC302 (1/2) NJM4558M
IC302 (2/2) NJM4558M
BUFFER AMP
VR201 MOTOR VOL LED VOLUME
C VR C.B
SIGNAL
PB
MIC

IC DESCRIPTION (MX-Z3400M)

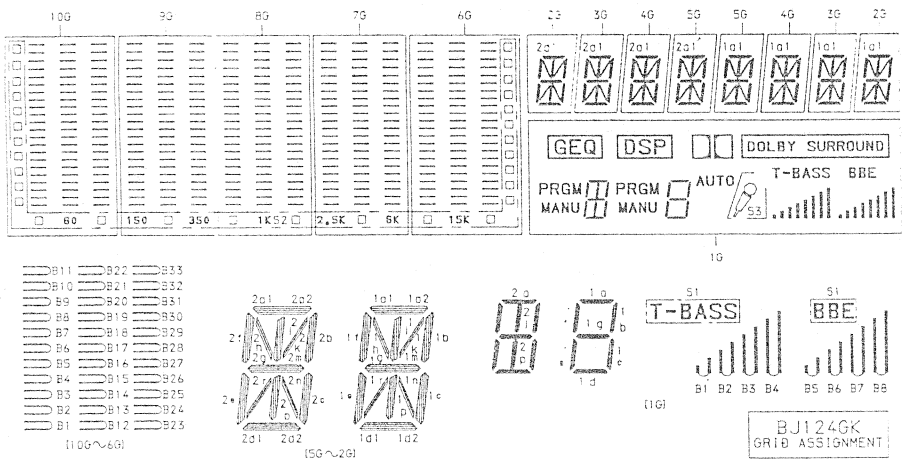
IC, EC866416-5A52

Pin No.	Pin Name	I/O	Description
1	O-CE (DSP)	O	Signal to control communications with DSP.
2	I/O-SERIAL	I/O	Signal to control communications with synchro operation serial data.
3	O-VOL-LED	O	Output a volume LED signal.
4	O-VOL-UP	O	Volume control output (volume up).
5	O-VOL-DOWN	O	Volume control output (volume down).
6	I-HOLD	I	Input "STOP" detector.
7	RES	I	System reset input.
8	NC	I	Not used. (connect to VDD1)
9	NC	O	Not used. (connect to VDD1)
10	VSS1	-	GND.
11	CF1	I	Input pin for ceramic resonator oscilation.
12	CF2	O	Output pin for ceramic resonator oscilation.
13	VDD1	-	Power supply.
14	I-KEY1	I	A/D pin for key input.
15	I-KEY2	I	A/D pin for key input.
16	I-KEY3	I	A/D pin for key input.
17	I-MIC	I	A/D pin for microphone level input.
18	NC	I	Not used. (connect to GND)
19	I-SPEA	I	A/D pin for speana level input.
20	NC	I	Not used. (connect to GND)
21	NC	I	Not used. (connect to GND)
22	NC	I	Not used. (connect to GND)
23	NC	I	Not used. (connect to GND)
24	I-REMOTE	I	Remote control input.
25	O-GA	O	Grid timing control signal.
26	O-GB	O	Grid timing control signal.
27	O-GC	O	Grid timing control signal.
28	O-GD	O	Grid timing control signal.
29	O-GE	O	Grid timing control signal.
30	O-S16	O	Segment output 16.
31	O-S5	O	Segment output 5.
32	O-S28	O	Segment output 28.
33	O-S17	O	Segment output 17.
34	O-S6	O	Segment output 6.
35	O-S29	O	Segment output 29.
36	O-S18	O	Segment output 18.
37	O-S17	O	Segment output 7.
38	O-S30	O	Segment output 30.
39	O-S19	O	Segment output 19.
40	O-S8	O	Segment output 8.

Pin No.	Pin Name	I/O	Description
41	VDD2	-	Power supply.
42	VP	-	Power supply.
43	O-S31	O	Segment output 31.
44	O-S20	O	Segment output 20.
45	O-S9	O	Segment output 9.
46	O-S32	O	Segment output 32.
47	O-S21	O	Segment output 21.
48	O-S10	O	Segment output 10.
49	O-S33	O	Segment output 33.
50	O-S22	O	Segment output 22.
51	O-S11	O	Segment output 11.
52	O-S27	O	Segment output 27.
53	O-S4	O	Segment output 4.
54	O-S15	O	Segment output 15.
55	O-S26	O	Segment output 26.
56	O-S3	O	Segment output 3.
57	O-S14	O	Segment output 14.
58	O-S25	O	Segment output 25.
59	O-S2	O	Segment output 2.
60	O-S13	O	Segment output 13.
61	O-S24	O	Segment output 24.
62	O-S1	O	Segment output 1.
63	O-S12	O	Segment output 12.
64	O-S23	O	Segment output 23.
65	I-ECHO	I	Initialized switch "H".
66	I-SALSA	I	Initialized switch "H".
67	I-DSP	I	Initialized switch "H".
68	NC	I	Not used.
69	NC	O	Not used.
70	O-POWER	O	Power output.
71	O-MUTE	O	Muting control output.
72	NC	O	Not used.
73	VSS2	-	GND.
74	O-SPEA-A	O	Speana control output A.
75	O-SPEA-B	O	Speana control output B.
76	O-SPEA-C	O	Speana control output C.
77	O-DATA2	O	Signal to communicate with DSP/BBE/T-Bass/V-Fader/Func/Surround/GEQ (data).
78	O-STB(SR)	O	Signal to communicate with BBE/T-Bass/V-Fader/Func/Surround (strobe).
79	O-CLK2	O	Signal to communicate with DSP/BBE/T-Bass/V-Fader/Func/Surround (clock).
80	O-CLK1(GEQ)	O	Signal to communicate with GEQ (clock).

FL DISPLAY (MX-Z3400M)

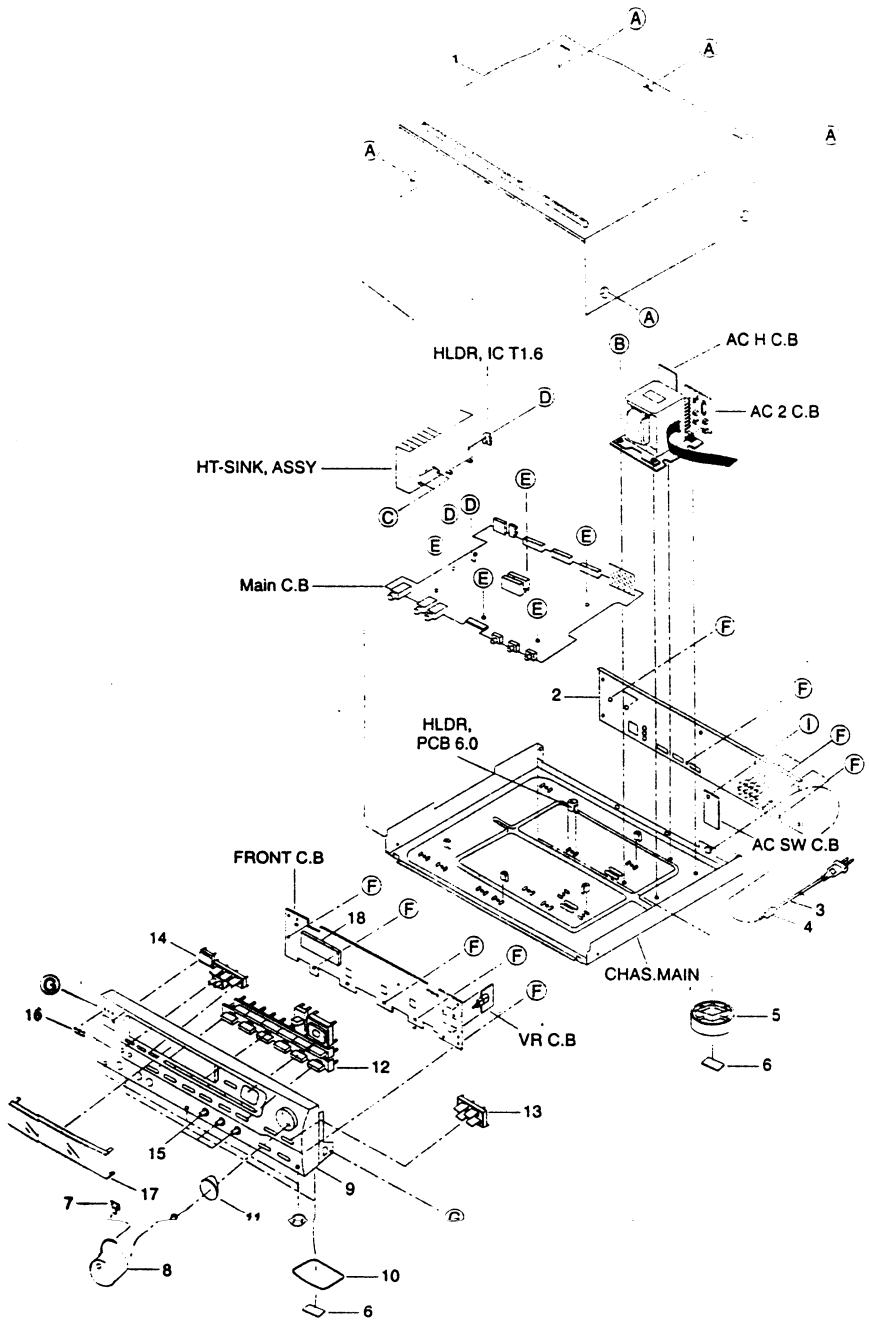
FL, BJ124BK



ANODE CONNECTION

	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	B1	B1	B1	B1	B1	1a2	1a2	1a2	1a2	B6
P2	B2	B2	B2	B2	B2	1k	1k	1k	1k	B3
P3	B3	B3	B3	B3	B3	1g	1g	1g	1g	SURROUND
P4	B4	B4	B4	B4	B4	1e	1e	1e	1e	AUTO
P5	B5	B5	B5	B5	B5	1p	1p	1p	1p	1c, 1d
P6	B6	B6	B6	B6	B6	2d2	2d2	2d2	2d2	[PRGM]
P7	B7	B7	B7	B7	B7	2n	2n	2n	2n	2b
P8	B8	B8	B8	B8	B8	2c	2c	2c	2c	[DSP]
P9	B9	B9	B9	B9	B9	2f	2f	2f	2f	2a
P10	B10	B10	B10	B10	B10	2h	2h	2h	2h	PRGM (GEQ)
P11	B11	B11	B11	B11	B11	2a1	2a1	2a1	2a1	1f
P12	B12	B12	B12	B12	B12	1a1	1a1	1a1	1a1	B7
P13	B13	B13	B13	B13	B13	1h	1h	1h	1h	B4
P14	B14	B14	B14	B14	B14	1f	1f	1f	1f	B1
P15	B15	B15	B15	B15	B15	1c	1c	1c	1c	[DOLBY]
P16	B16	B16	B16	B16	B16	1n	1n	1n	1n	1b
P17	B17	B17	B17	B17	B17	1d2	1d2	1d2	1d2	B
P18	B18	B18	B18	B18	B18	2p	2p	2p	2p	2c
P19	B19	B19	B19	B19	B19	2e	2e	2e	2e	PRGM (DSP)
P20	B20	B20	B20	B20	B20	2g	2g	2g	2g	2g
P21	B21	B21	B21	B21	B21	2k	2k	2k	2k	2f
P22	B22	B22	B22	B22	B22	2a2	2a2	2a2	2a2	-
P23	B23	B23	B23	B23	B23	-	-	-	-	B8
P24	B24	B24	B24	B24	B24	1j	1j	1j	1j	B5
P25	B25	B25	B25	B25	B25	1b	1b	1b	1b	B2
P26	B26	B26	B26	B26	B26	1m	1m	1m	1m	S3
P27	B27	B27	B27	B27	B27	1r	1r	1r	1r	1a
P28	B28	B28	B28	B28	B28	1d1	1d1	1d1	1d1	1g
P29	B29	B29	B29	B29	B29	2d1	2d1	2d1	2d1	2a
P30	B30	B30	B30	B30	B30	2r	2r	2r	2r	MANU (DSP)
P31	B31	B31	B31	B31	B31	2m	2m	2m	2m	2j, 2b
P32	B32	B32	B32	B32	B32	2b	2b	2b	2b	2e
P33	B33	B33	B33	B33	B33	2j	2j	2j	2j	MANU (GEQ)
P34	S2	S2	S2	S2	S2	-	-	-	-	-
P35	-	-	-	-	-	-	-	-	-	GEQ DSP S1

MECHANICAL EXPLODED VIEW 1/1 (MX-Z3400M)



MECHANICAL PARTS LIST 1 / 1 (MX-Z3400M)

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-VP2-011-019		CAB.STEEL
2	86-VP4-002-019		PANEL,REAR HEJBN<HE>
2	86-VP4-007-019		PANEL,REAR LHBN<LH>
⚠ 3	87-050-079-019		AC-CORD ASSY,E
4	87-085-185-010		BUSHING,AC CORD E
5	81-VX1-012-019		FOOT, REAR
6	82-VW2-211-019		FELT,20-7.5-2
7	82-NE6-016-019		IND,MAIN (VOL)
8	85-VP1-008-019		KNOB,VOL
9	86-VP4-001-019		CABI,FR H<HE>
9	86-VP4-005-019		CABI,FR LH<LH>
10	84-VM5-013-010		RING,FOOT
11	85-VP1-007-019		RING,VOL
12	85-VP3-005-210		KEY,FUN<HE>
12	86-VP4-009-010		KEY,FUN LH<LH>
13	85-VP1-005-019		KEY,EEE
14	85-VP1-003-019		KEY,POWER
15	83-NF6-020-019		KNOB,MIC
16	82-NE8-032-019		BADGE AIWA 37.5
17	85-VP1-006-019		WINDOW,AMP
18	82-MA2-203-019		GUIDE,FL 2
A	87-067-641-019		VTT2-3-8 W/O SLOT BLK
B	87-078-019-019		S-SCREW,IT+4-6
C	87-067-581-019		BVT2-3-15 W/O SLOT
D	87-067-584-019		BVT2-3-6 W/O SLOT
E	87-067-758-019		BVT2+3-12(W/O SLOT)
F	87-067-660-019		BVT2-3-8W/O SLOT BLK
G	87-591-094-419		VTT - 3 - 6 GOLD
H	87-067-716-019		BVTT-3-6 BLK
I	80-VP2-202-019		SPECIAL SCREW VT2 BLK

MODEL NO.

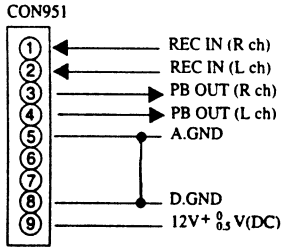
FX-WZ3400

CAUTIONS WHEN SERVICING (FX-WZ3400)

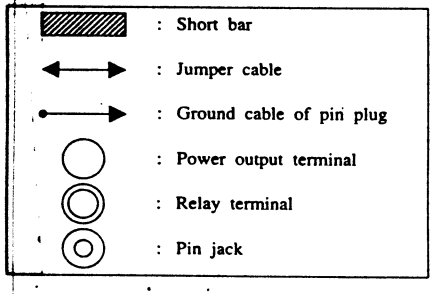
FX-WZ3400 do not have a power supply circuit. Power is supplied to it through a 9-pin flat cable and the signal inputs/outputs are also performed through this cable.
When servicing the FX-WZ3400 connect it to the MX-Z3400M so power is supplied to the FX-WZ3400. If the MX-Z3400M is not available, follow the procedure below.

[When servicing the unassembled FX-WZ3400]

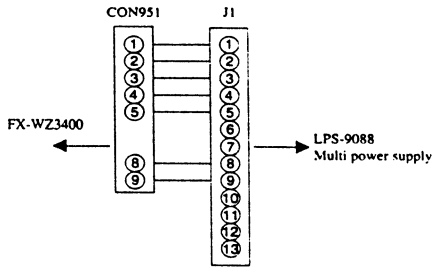
1. Supply the following voltage to each terminal from the external power supply.



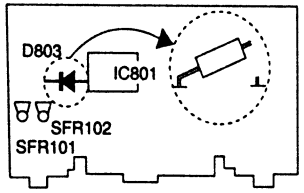
Connect a multi – conversion harness.



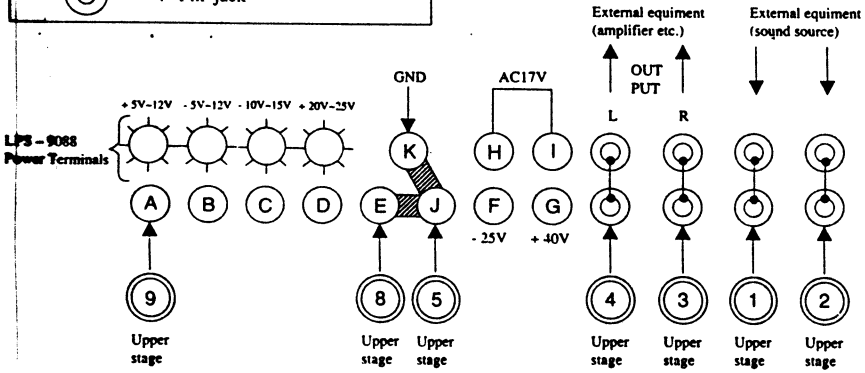
2. Multi Power Connection diagram (LPS-9088)
   • Connect the multi-conversion harness for the D5 type toJ1.



• After connecting the multi-conversion harness, connect the leg of the diode D803 on the pattern of the main C.B. and then turn the multi-power supply on.



• The diode D803 itself is above the pattern with its one leg is cut as shown.



ELECTRICAL MAIN PARTS LIST (FX-WZ3400)

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

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-017-022-089		IC NJM2068M-D(T1)
	87-001-224-089		IC NJU4066BM
	87-020-730-089		IC TC4069 UBF
	87-017-023-089		IC NJU4052BM
	87-001-874-019		IC HA12134A
	82-VW2-631-010		IC LC66406-4B19
	87-017-374-019		IC TC4094BP
	87-020-454-010		IC BM6851
TRANSISTOR			
	87-026-223-089		D-TR,DTC143TK
	89-327-125-089		D-TR,2SC2712GR
	89-113-625-089		D-TR 2SA 1362 GR(TAPG)
	89-320-011-089		TR,2SC2001K
	89-109-521-089		TR,2SA952K
	89-503-685-089		D-FET,2SK368GR
	89-333-266-089		D-TR,2SC3326B
	87-026-227-089		D-TR,DTA114EK
	89-318-155-089		TR,2SC1815GR
	89-112-965-089		TR,2SA1296GR
	87-026-210-089		D-TR,DTC144EK T147
	87-026-580-089		D-TR,DTA123JK
	87-026-218-089		TR,DTC144ES
	87-026-214-089		TR,DTA114YS
DIODE			
	87-002-564-089		DIODE,1SS133RA
	87-020-330-089		D-DIODE,DAP202K
	87-020-584-089		D-ZENER,02CZ5.6Y
	87-001-290-059		ZENER,HZS6B1L RA
	87-017-024-089		D-DIODE,DA204K
	87-001-559-059		DIODE,1SS131,RA
	87-001-731-059		ZENER,HZS6C2L RA
	87-020-331-089		D-DIODE,DAN202K
MAIN C.B			
C101	87-012-158-089		C-CAP,S 390P-50 CH
C102	87-012-158-089		C-CAP,S 390P-50 CH
C103	87-010-318-089		C-CAP,S 47P-50 CH
C104	87-010-318-089		C-CAP,S 47P-50 CH
C105	87-010-426-089		C-CAP,S 0.012-25 B
C106	87-010-426-089		C-CAP,S 0.012-25 B
C109	87-012-154-089		C-CAP,S 150P-50 CH
C110	87-012-154-089		C-CAP,S 150P-50 CH
C111	87-010-404-089		CAP,E 4.7-50 SME
C112	87-010-404-089		CAP,E 4.7-50 SME
C113	87-010-404-089		CAP,E 4.7-50 SME
C114	87-010-404-089		CAP,E 4.7-50 SME
C115	87-010-101-089		CAP,E 220-16 SME
C116	87-010-197-089		C-CAP,S 0.01-25 B
C117	87-010-197-089		C-CAP,S 0.01-25 B
C150	87-010-197-089		C-CAP,S 0.01-25 B
C201	87-012-157-089		C-CAP,S 330P-50 CH
C202	87-012-157-089		C-CAP,S 330P-50 CH
C203	87-010-318-089		C-CAP,S 47P-50 CH
C204	87-010-318-089		C-CAP,S 47P-50 CH
C205	87-010-426-089		C-CAP,S 0.012-25 B
C206	87-010-426-089		C-CAP,S 0.012-25 B
C207	87-012-156-089		C-CAP,S 220P CH
C208	87-012-156-089		C-CAP,S 220P CH
C211	87-010-404-089		CAP,E 4.7-50 SME
C212	87-010-404-089		CAP,E 4.7-50 SME
C213	87-010-101-089		CAP,E 220-16 SME
C214	87-010-197-089		C-CAP,S 0.01-25 B
C215	87-010-197-089		C-CAP,S 0.01-25 B
C216	87-010-197-089		C-CAP,S 0.01-25 B
C251	87-010-186-089		C-CAP,S 4700P-50 B
C252	87-010-149-089		C-CAP,S 5P-50 CH
C253	87-010-182-089		C-CAP,S 2200P-50 B
C254	87-010-596-089		C-CAP,S 0.047-16 RK
C255	87-012-154-089		C-CAP,S 150P-50 CH
C256	87-010-374-089		CAP,E 47-10
C257	87-010-401-089		CAP,E 1-50 SME
C258	87-010-149-089		C-CAP,S 5P-50 CH
C259	87-010-178-089		C-CAP,S 1000P-50 B
C301	87-010-322-089		C-CAP,S 100P-50 CH
C302	87-010-322-089		C-CAP,S 100P-50 CH
C303	87-010-183-089		C-CAP,S 2700P-50 B
C304	87-010-183-089		C-CAP,S 2700P-50 B
C305	87-010-404-089		CAP,E 4.7-50 SME
C306	87-010-404-089		CAP,E 4.7-50 SME
C323	87-010-175-089		C-CAP,S 560P-50 SL
C324	87-010-175-089		C-CAP,S 560P-50 SL
C401	87-012-156-089		C-CAP,S 220P CH
C402	87-012-156-089		C-CAP,S 220P CH
C403	87-014-071-089		CAP,PP 3900P-100 J
C405	87-010-221-089		CAP,E 470-10
C409	87-010-402-089		CAP,E 2.2-50 SME
C410	87-010-197-089		C-CAP,S 0.01-25 B
C411	87-010-196-089		C-CAP,S 0.1-25F
C451	87-010-178-089		C-CAP,S 1000P-50 B
C453	87-010-322-089		C-CAP,S 100P-50 CH
C454	87-010-322-089		C-CAP,S 100P-50 CH
C501	87-012-140-089		C-CAP,S 470P-50 CH
C502	87-012-140-089		C-CAP,S 470P-50 CH
C503	87-010-182-089		C-CAP,S 2200P-50 B
C504	87-010-182-089		C-CAP,S 2200P-50 B
C505	87-010-404-089		CAP,E 4.7-50 SME
C506	87-010-404-089		CAP,E 4.7-50 SME
C511	87-010-545-089		CAP,E 0.22-50 SME
C512	87-010-545-089		CAP,E 0.22-50 SME
C513	87-012-154-089		C-CAP,S 150P-50 CH
C514	87-012-154-089		C-CAP,S 150P-50 CH
C517	87-010-371-089		CAP,E 470-6.3
C518	87-010-401-089		CAP,E 1-50 SME
C519	87-010-404-089		CAP,E 4.7-50 SME
C520	87-010-404-089		CAP,E 4.7-50 SME
C601	87-010-404-089		CAP,E 4.7-50 SME
C602	87-010-381-089		CAP,E 330-16 SME
C603	87-010-101-089		CAP,E 220-16 SME
C604	87-010-237-089		CAP,E 1000-16
C605	87-010-198-089		C-CAP,S 0.022-25 B
C606	87-010-546-089		CAP,E 0.33-50 SME
C607	87-010-371-089		CAP,E 470-6.3
C608	87-010-198-089		C-CAP,S 0.022-25 B
C609	87-015-822-089		C-CAP,0.022
C611	87-010-196-089		C-CAP,S 0.1-25 F
C801	87-010-404-089		CAP,E 4.7-50 SME
C951	87-012-140-089		C-CAP,S 470P-50 CH
C952	87-010-186-089		C-CAP,S 4700P-50 B
CF801	89-MX1-704-089		CERA LOCK(MU)3.9MHZ
CON201	86-VW1-612-019		CONN,ASSY 6P MECHA2
CON951	82-VW2-623-019		CORD,FG 9P 750
D151	87-070-108-019		LED SLF301C-37
D152	87-070-108-019		LED SLF301C-37
D451	87-020-123-059		DIODE,DS446 RA V-DT3
L301	87-005-525-089		COIL, 22MH-J
L302	87-005-525-089		COIL, 22MH-J
L303	87-003-131-089		COIL,10MH J
L304	87-003-131-089		COIL,10MH J
L305	87-003-123-089		COIL,2.2MH J
L306	87-003-123-089		COIL,2.2MH J
L401	80-VW1-605-119		COIL OSC BIAS 108K
L601	87-005-474-089		COIL,12UH J FLR50
L602	87-005-239-019		COIL,100UH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
R404	87-025-471-089		RES NF 4.7-1/4W J
SFR101	87-024-349-089		SFR,1K DIA6 H
SFR102	87-024-349-089		SFR,1K DIA6 H
SFR201	87-024-349-089		SFR,1K DIA6 H
SFR202	87-024-349-089		SFR,1K DIA6 H
SFR301	87-024-353-089		SFR,10K DIA6 H
SFR302	87-024-353-089		SFR,10K DIA6 H
SFR401	87-024-356-089		SFR,47K DIA6 H
SFR402	87-024-356-089		SFR,47K DIA6 H
W901	82-VW2-624-019		F-CABLE 3P-2.0

FRONT-1 C.B

S905	87-036-215-089		SW,TACT EVQ21404M
S906	87-036-215-089		SW,TACT EVQ21404M
S907	87-036-215-089		SW,TACT EVQ21404M
S908	87-036-215-089		SW,TACT EVQ21404M

FRONT-2 C.B

C901	87-010-405-089		CAP,E 10-50 SME
C902	87-018-134-089		CAP,TC-U 0.01-16 Y
D901	81-DS2-639-080		LED, SEL-1321G TP7
D902	81-DS2-639-080		LED, SEL-1321G TP7
D903	81-DS2-639-080		LED, SEL-1321G TP7
D904	81-DS2-639-080		LED, SEL-1321G TP7
D905	81-DS2-639-080		LED, SEL-1321G TP7
D910	87-017-295-080		LED, SEL-1921D TP7
D911	81-DS2-637-080		LED, SEL-1121R TP7
D912	81-DS2-637-080		LED, SEL-1121R TP7
D913	81-DS2-637-080		LED, SEL-1121R TP7
S901	87-036-215-089		SW,TACT EVQ21404M
S902	87-036-215-089		SW,TACT EVQ21404M
S903	87-036-215-089		SW,TACT EVQ21404M
S904	87-036-215-089		SW,TACT EVQ21404M

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
S909	87-036-215-089		SW,TACT EVQ21404M
S912	87-036-215-089		SW,TACT EVQ21404M
S913	87-036-215-089		SW,TACT EVQ21404M
S914	87-036-215-089		SW,TACT EVQ21404M
S915	87-036-215-089		SW,TACT EVQ21404M
S916	87-036-215-089		SW,TACT EVQ21404M
S917	87-036-215-089		SW,TACT EVQ21404M

DECK-1 C.B

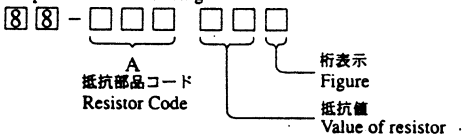
SFR1	87-024-581-010		SFR,3.3K DIA 6H KOA
SFR2	87-024-331-019		SFR,5.0K DIA 6H KOH
SOL1	82-ZM1-618-010		SOL ASSY,27
SW4	87-036-378-080		SW,PUSH 1-1-1 SH2
SW5	87-036-378-080		SW,PUSH 1-1-1 SH2
SW6	87-036-378-080		SW,PUSH 1-1-1 SH2

DECK-2 C.B

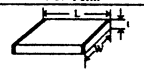
SFR1	87-024-581-010		SFR,3.3K DIA 6H KOA
SFR2	87-024-331-019		SFR,5.0K DIA 6H KOH
SOL2	82-ZM1-618-310		SOL ASSY,27
SW1	87-036-110-010		SW,PUSH SPPB 62
SW2	87-036-110-010		SW,PUSH SPPB 62
SW3	87-036-110-010		SW,PUSH SPPB 62
SW4	87-036-110-010		SW,PUSH SPPB 62

Oチップ抵抗部品コード/CHIP RESISTOR PART CODE

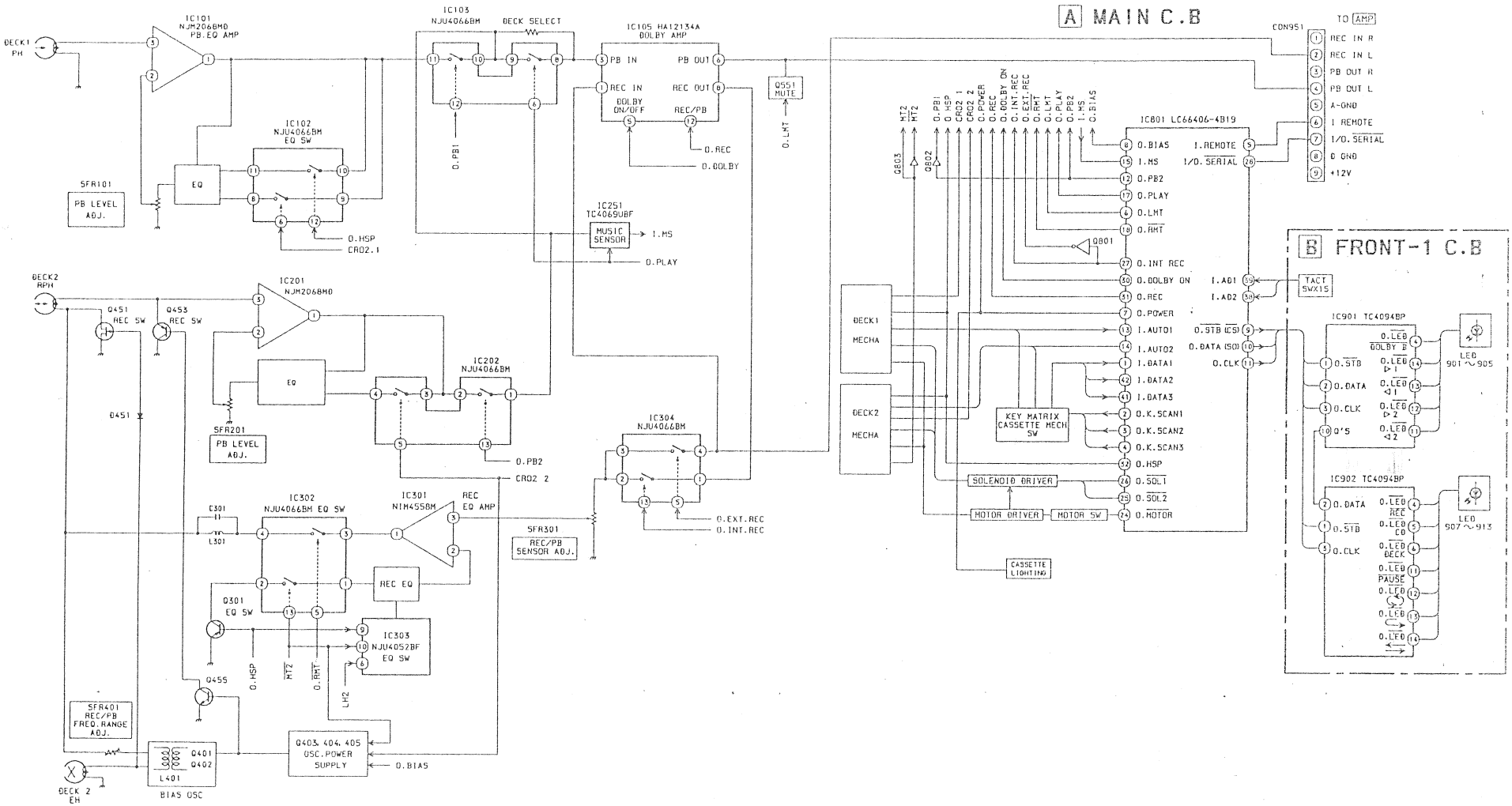
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



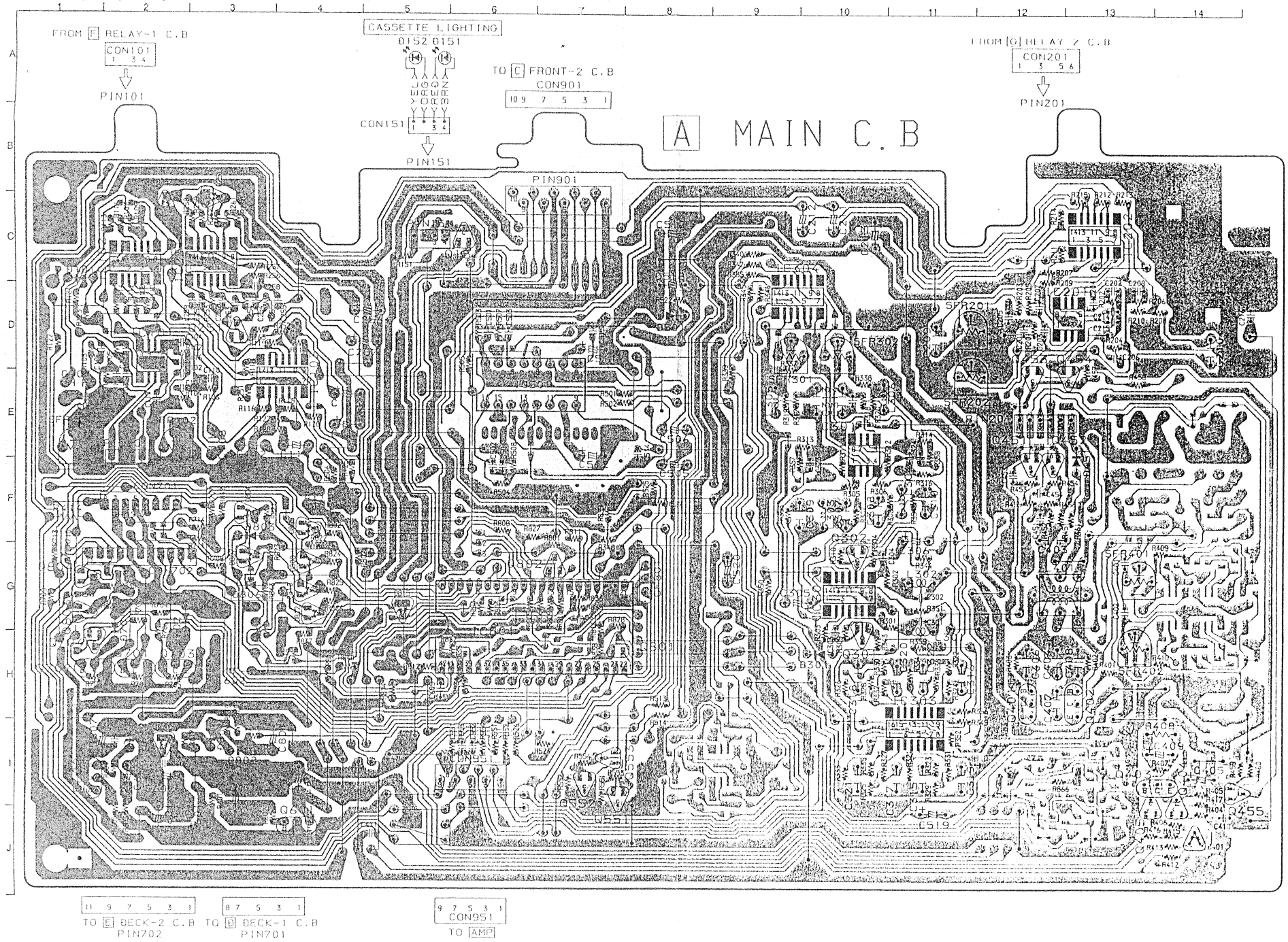
チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法/Dimensions (mm) 外形/Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

BLOCK DIAGRAM-1 (FX-WZ3400)



WIRING-1 (FX-WZ3400)



F RELAY-1 C.B CON101

G RELAY-2 C.B CON201

A MAIN C.B

IC101 NJM2068MD PB EQ AMP

IC102 NJU4066BM EQ SW

IC103 NJU4066BM DECK SELECT

IC501 HA12134A DOLBY-NR

IC201 NJM2068MD PB EQ AMP

IC202 NJU4066BM EQ SW

IC801 LC66406-4B19 SYSTEM CONTROL

IC251 STC4069UBF MUSIC SENSOR

IC301 NJM4558M REC EQ AMP

IC302 NJU4066BM EQ SW

IC303 NJU4052BM EQ SW

IC304 NJU4066BM

IC901 TC4094BP LED DRIVER

IC902 TC4094BP LED DRIVER

Q101 2SA933RS MOTOR SPEED ADJ

Q102 2SA933RS MOTOR SPEED ADJ

Q151 DTC143TK

Q301 2SA1362GR

Q302 2SA1362GR

Q401 2SC2001K BIAS OSC

Q402 2SC2001K BIAS OSC

Q403 2SA952K

Q404 2SC2712GR POWER SUPPLY

Q405 2SC2712GR

Q451 2SK3668R REC SW

Q452 2SK3668R REC SW

Q453 2SA1362GR REC SW

Q454 2SA1362GR REC SW

Q501 2SC2712GR

Q551 2SC3326B MUTE

Q552 2SC3326B MUTE

Q553 DTA114EK MUTE

Q601 2SC1815GR

Q701 2SA1286GR

Q702 2SA952K SOLENOID DRIVER

Q703 2SA952K SOLENOID DRIVER

Q801 DTC144EK POWER SUPPLY

Q802 DTC144EK PB SW

Q803 DTA114EK

Q804 DTC144EK SW

Q901 DTC144ES LED DRIVER

Q902 DTC144ES LED DRIVER

Q903 DTA114YS

D DECK-1 C.B

E DECK-2 C.B

B FRONT-2 C.B

C FRONT-1 C.B

CON951 REC OUT R / REC OUT L / PB IN R / PB IN L / A-GND / I REMOTE / I/O-SERIAL / B-GND / VM

CON151 PIN151 CASSETTE LIGHTING

CON201 PIN201

CON701 TO PIN701

CON702 FROM CON701

CON801 EXT REC

CON901 PIN901 W801

CON902 PIN902

PIN101 PH (DECK1)

PIN201 PH (DECK2)

PIN702 MOTOR SPEED ADJ

PIN701 MOTOR SPEED ADJ

SFR101 PB LEVEL ADJ.(LCH)

SFR102 PB LEVEL ADJ.(RCH)

SFR201 PB LEVEL ADJ.(LCH)

SFR202 PB LEVEL ADJ.(RCH)

SFR301 REC/PB SENS ADJ. (LCH)

SFR302 REC/PB SENS ADJ. (RCH)

SFR401 REC/PB FREQ. RANGE ADJ. (LCH)

SFR402 REC/PB FREQ. RANGE ADJ. (RCH)

SFR501 BIAS FREQ. ADJ.

SFR801 CERA LOCK

AZIMUTH ADJ

+12V / GND / 12V / VM / VCC / VREF / VSS / VDD

O.REC / O.PLAY / O.PB1 / O.PB2 / O.DOLBY ON / O.BIAS

V-REF / O.HSP / O.INT REC / EXT REC / GND / RT2

I-DATA1 / I-DATA2 / I-DATA3 / O-K-SCAN1 / O-K-SCAN2 / O-K-SCAN3 / I.REMOTE / O-LMT / O-POWER / O.BIAS / O.STB (CS) / O.DATA(SO) / O.CLK / O.PB2 / I.AUTO1 / I.AUTO2 / I-MS. / NC / O.PLAY / O.RMT / TEST / VSS / OSC1 / OSC2 / I/O SERIAL / O.INT REC / O-SOLT / O-SOL2 / O-MOTOR / RESET

O.STB / O.DATA / O.CLK / +12V / I.A01 / I.A02 / NC / NC

O-STB / O-DATA / O-CLOCK / O-LED DATA ENABLE / O-LED REC / O-LED CLOCK

LED SEL-1321G TP7 / LED SEL-1721Y TP7 / LED SEL-1121R TP7

0901 (DECK 1) / 0902 (DECK 1) / 0903 (DECK 2) / 0904 (DECK 2) / 0907 REV MODE / 0908 REV MODE / 0909 (-) REV MODE / 0912 CD SYNC REC / 0913 SYNC BUBBING

0901, 902, 903, 904, 905, 907, 908, 909 / 0910 / 0911, 912, 913

ISS181-8AP202K / ISS184-8AN202K / ISS226-8A204K

S901 CD SYNCHRO REC / S902 SYNCHRO BUBBING, NORMAL / S903 SYNCHRO BUBBING, HIGH / S904 0905 BOLBY NR / S909 REVERSE MODE (DECK 2) / S912 0911 REC/REC MUTE / S913 REW / S914 PLAY/DIR / S915 F.FWD / S916 STOP / S917 0910 PAUSE

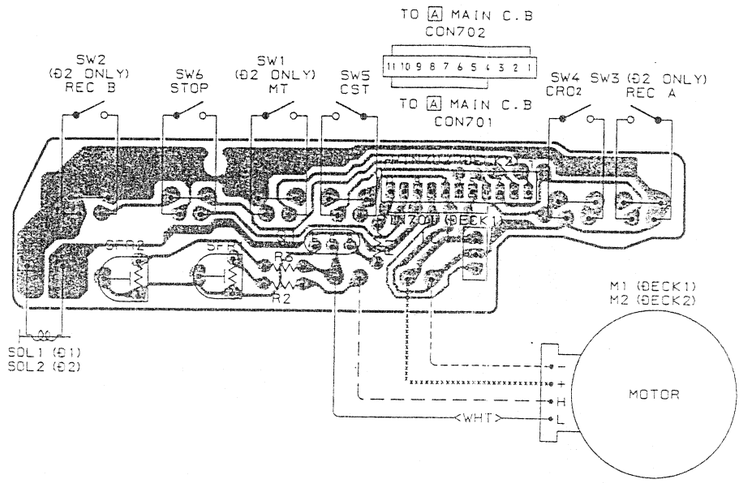
S905 STOP / S906 MS / S907 PLAY/DIR / S908 MS

SIGNAL: PB / REC

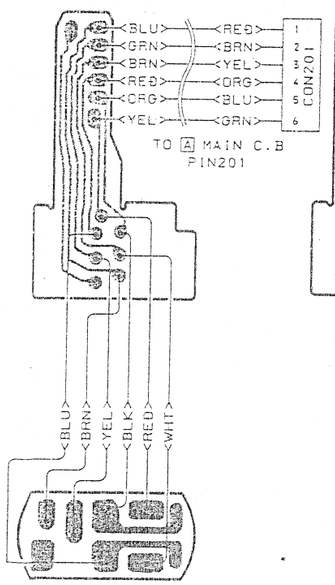
SCHEMATIC DIAGRAM-1 (FX-WZ3400)

Đ ĐECK-1 C.B

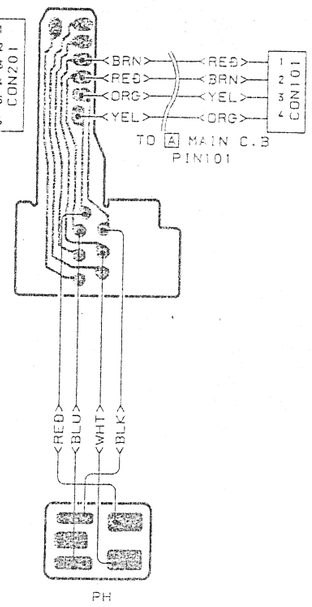
E ĐECK-2 C.B



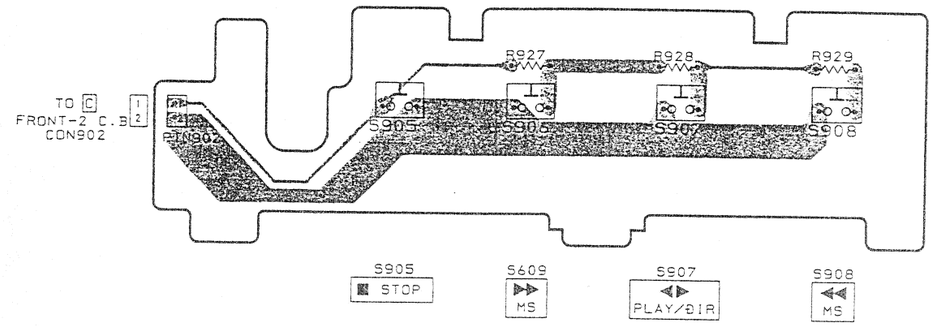
G RELAY-2 C.B

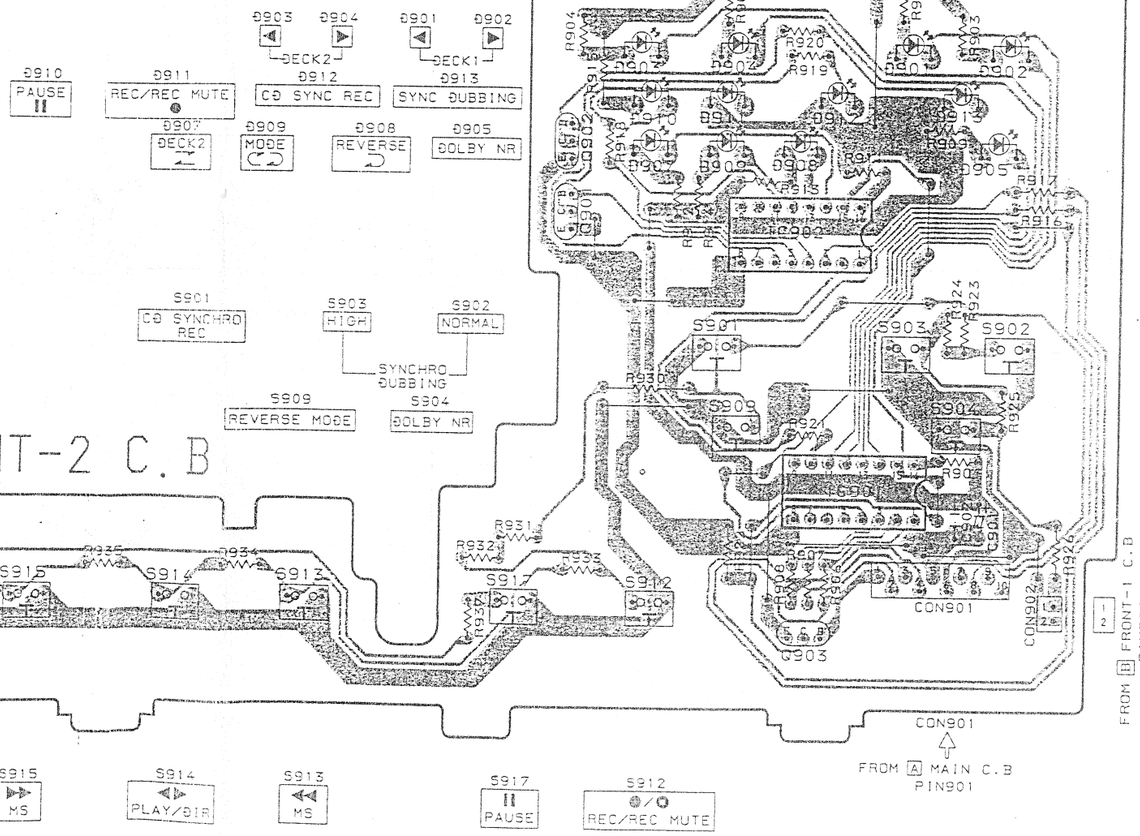


F RELAY-1 C.B



B FRONT-1 C.B





C FRONT-2 C.B

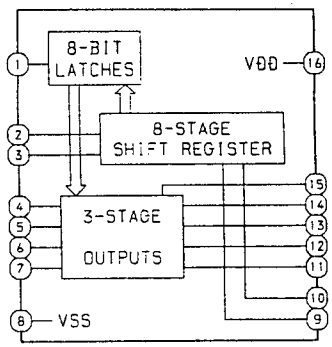
IC DESCRIPTION (FX-WZ3400)

IC, LC66406-4B19

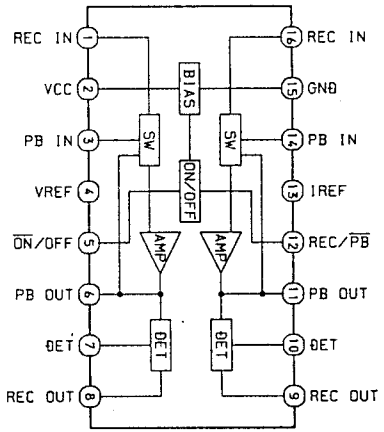
Pin No.	Pin Name	I/O	Description			
			KEY DATA input			
			When K • SCAN 1 is " H "	When K • SCAN 2 is " H "	When K • SCAN 3 is " H "	When K • SCAN 4 is " H "
1	DATA1	I	DECK 2 REC A SW input	DECK 2 REC B SW input	DECK 1 STOP SW input	SW CD HIGH SPEED (ON/OFF)
42	DATA2	I	DECK 1 CST SW input	DECK 2 CST SW input	DECK 2 STOP SW input	SW CAL (Calibration ON/OFF)
41	DATA3	I	SW • POWER input	SW (ON/OFF)	DECK1/2 SW input	
2	O • K • SCAN1	O	SCAN output terminal of DATA1~3.			
3	O • K • SCAN2	O				
4	O • K • SCAN3	O				
5	I-REMOTE	I	Serial data input terminal of remote controller.			
6	O-LMT	O	Output terminal for record/playback monitor output signal muting. "H" at muting.			
7	O-POWER	O	POWER ON/OFF control.			
8	O-BIAS	O	Bias oscillation output terminal for DECK 2. "H" at recording/dubbing. "L" at resetting.			
9	O-$\overline{\text{STB(CS)}}$	O	Strobe signal for the shift register.			
10	O-DATA(SO)/ K • SCAN4	O	Serial data for the shift register PLL IC.			
11	O-CLK	O	Serial data clock signal for the shift register PLL IC.			
12	O-PB2	O	Playback output control terminal for DECK 1 and 2. "H" at playback with DECK 2.			
13	I-AUTO1	I	Reel pulse input terminal for DECK 1.			
14	I-AUTO2	I	Reel pulse input terminal for DECK 2.			
15	I-MS	I	MS signal input terminal. Active "H".			
16	NC	-	Not used .			
17	O-PLAY	O	Cue/review mute output and MS sensitivity switching output terminal. "H" at playback.			
18	O-$\overline{\text{RMT}}$	O	Muting output terminal for recording input. "H" at record mute, record satrt, record clear and record pause.			
19	TEST	-	MPU test terminal. Connected with Vss.			
20	VSS	-	Common terminal for MPU I/O and power supply.			
21	OSC1	-	3.9MHz Oscillation terminal.			
22	OSC2	-				
23	$\overline{\text{RESET}}$	I	Reset input terminal. Active "L".			
24	O-$\overline{\text{MOTOR}}$	O	Main motor control output terminal for deck 1 and 2. "L" with both decks at STOP.			
25	O-$\overline{\text{SOL2}}$	O	Solenoid drive output terminal for DECK 2. Active "L".			
26	O-$\overline{\text{SOL1}}$	I	Solenoid drive output terminal for DECK 1. Active "L".			
27	O-INT REC	O	Recording input source switching output terminal for deck 2. "H" : Deck 1 at STOP, FF, or REW (with DECK NOR, DECK HI, CD NOR. DECK 2 REC). "L" : In other modes : Deck 2 at REC, etc. (with CD HI, DECK 2 PLAY/STOP, DECK 1 PLAY).			
28	I/O-$\overline{\text{SERIAL}}$	I/O	Input/output terminal for serial data with CD, AMPLIFIER and TUNER.			

Pin No.	Pin Name	I/O	Description
29	NC	-	Not used.
30	O-DOLBY ON	O	DOLBY NO ON/OFF switching output terminal. "H" at DOLBY NR ON.
31	O-REC	O	Dolby encoder/decoder switching output terminal. "H" at recording and "L" at dubbing.
32	O-HSP	O	High-speed control output terminal for DECK1 and 2. "H" at HIGH SPEED DUBBING.
33	NC	-	Not used .
34			
35			
36			
37			
38	I-AD2	I	Key function control input terminal.
39	I-AD1		
40	VDD	-	Power terminal(+5V).

IC, TC4094BP

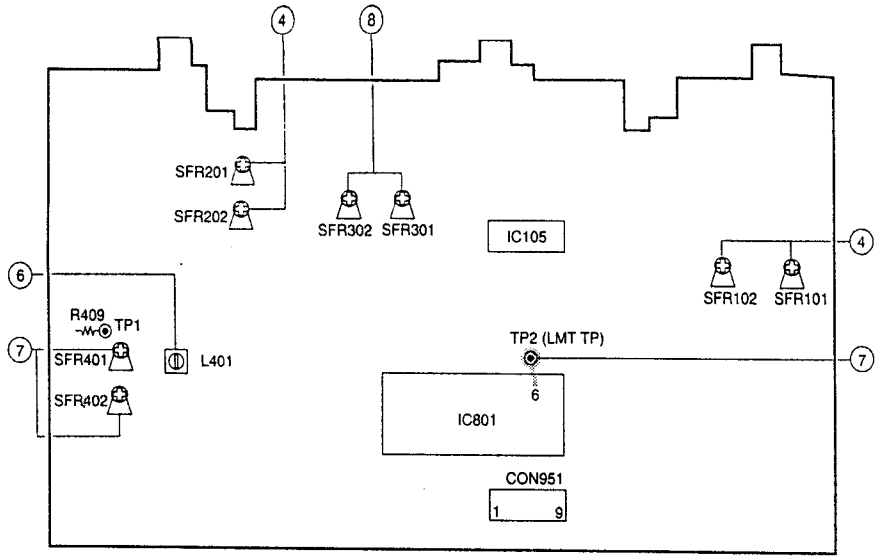


IC, HA12134A

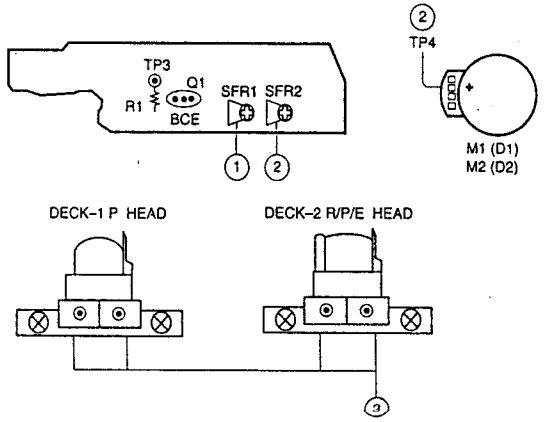


ADJUSTMENT (FX-WZ3400)

A MAIN C.B



D DECK-1 C.B
E DECK-2 C.B



1. Normal Speed Adjustment (DECK 1, DECK 2)
   Settings : • Test tape : TTA-100 (TTA-111S)
   • Test point : PB-OUT (CON951)
   • Adjustment location : SFR2 (DECK 1, 2)
   Method : Play back the test tape, adjust for 3000Hz ± 7Hz.

2. High Speed Adjustment (DECK 1, DECK 2)
   Settings : • Test tape : TTA-100 (TTA-111S)
   • Test point : PB-OUT (CON951)
   • Adjustment location : SFR1 (DECK 1, 2)
   Method : After normal speed adjustment, play back the test tape, and make the high speed condition to be shorted between TP3 and TP4.
   Adjust for 6000Hz ± 10Hz.

3. Head Azimuth Adjustment (DECK 1, DECK 2)
   Settings : • Test tape : TTA-310 (TTA-317E, SCC-1429)
   • Test point : PB-OUT (CON951)
   • Adjustment location : Head azimuth adjustment screw
   Method : Play back the 10kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD PLAY and REV PLAY mode.

4. PB Level Adjustment (DECK 1, DECK 2)
   Settings : • Test tape : TTA-200 (TTA-161, TCC-130)
   • Test point : PB-OUT (CON951)
   • Adjustment location : SFR101 (DECK 1, L ch)
   SFR102 (DECK 1, R ch)
   SFR201 (DECK 2, L ch)
   SFR202 (DECK 2, R ch)
   Method : Play back the test tape and adjust so that the output becomes 280mV ± 15mV.

5. FWD/REV Playback Output Difference Check (DECK 1, DECK 2)
   Settings : • Test tape : TTA-200 (TTA-161, TCC-130)
   • Test point : PB-OUT (CON951)
   Method : Play back the test tape and make sure that the output difference between the FWD and REV mode is 0dB ± 0.7dB

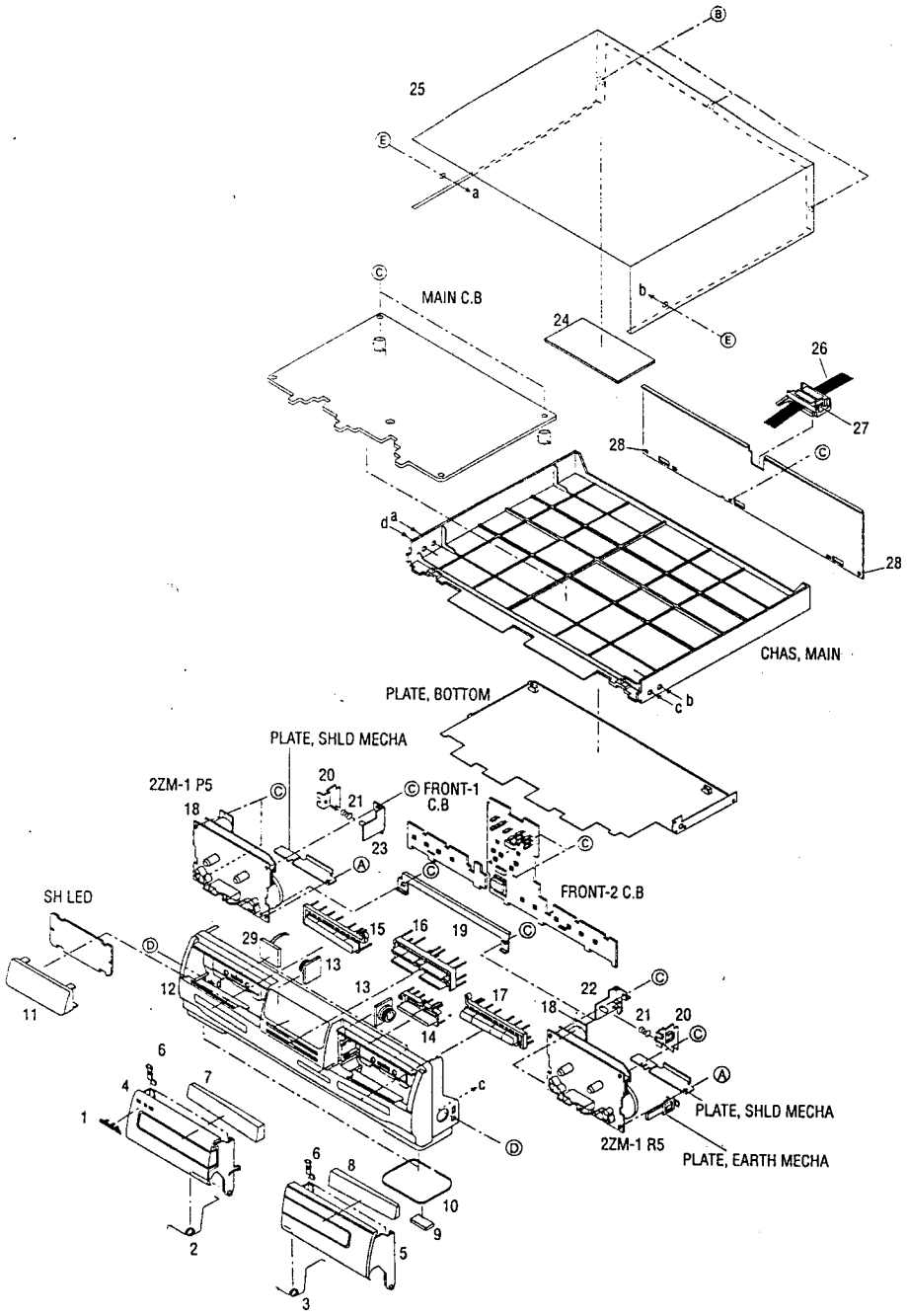
6. Bias Frequency Adjustment (DECK 2)
   Settings : • Test tape : TTA-601 (TTA-600, TTA-119K)
   • Test point : TP1 (R409)
   • Adjustment location : L401
   Method : Set DECK 2 to the REC mode. Adjust L451 so that the frequency counter of the test point becomes 107.5kHz ± 1.5kHz.

7. REC/PB Frequency Response Adjustment (DECK 2)
   Settings : • Test tape : TTA-601 (TTA-600, TTA-119K)
   • Test point : PB-OUT (CON951)
   • Adjutment location : SFR401 (Lch)
   SFR402 (Rch)
   Method : Connect TP2 (LMT TP) to ground (chassis), apply a 1kHz signal and adjust attenuator so that the level at the PB-OUT becomes 25mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signals becomes 0dB ± 0.4dB with respect to that of the 1kHz signal.
   After adjustment, remove the grounding lead wire.

8. REC/PB Sensitivity Adjustment (DECK 2)
   Settings : • Test tape : TTA-601 (TTA-600, TTA-119K)
   • Test point : PB-OUT (CON951)
   • Adjutment location : SFR301 (Lch)
   SFR302 (Rch)
   Method : Connect TP2 (LMT TP) to ground (chassis), apply a 1kHz signal and adjust attenuator so that the level at the PB-OUT becomes 25mV. Record and play back the 1kHz signal and adjust SFR so that the output becomes 0dB ± 0.3dB with.
   After adjustment, remove the grounding lead wire.

PRACTICAL SERVICE FIGURE (FX-WZ3400)

PB Output level :	280mV ± 34mV
REC/PB Output level :	250mV ± 1mV (PB-OUT, 1kHz)
Distortion (REC/PB) :	Less than 2.0% (CrO2, METAL)
Erasing ratio :	More than 60dB
Crosstalk :	More than 60dB
Channel separation :	More than 35dB
Noise level (PB) :	Less than 1.8mV (DOLBY NR OFF NORM)
	Less than 0.9mV (DOLBY B ON CrO2)
	Less than 0.8mV (DOLBY C ON CrO2)
Noise level (REC/PB) :	Less than 2.0mV (DOLBY OFF NORM)
	Less than 1.0mV (DOLBY B ON CrO2 MT)
	Less than 1.0mV (DOLBY C ON CrO2 MT)
REC bias frequency :	108kHz
Tape speed :	3000Hz ± 1.5%
Wow & flutter :	Less than 0.18% (W.RMS DECK1,2)
Take-up torque :	30 ~ 55g-cm (DECK1,2)
F.F & REW torque :	75 ~ 180g-cm (DECK1,2)
Back tension :	2 ~ 7g-cm (DECK1,2)
Test tape :	NORMAL : TTA-602
	CrO2 : TTA-615
	MT : CS-635

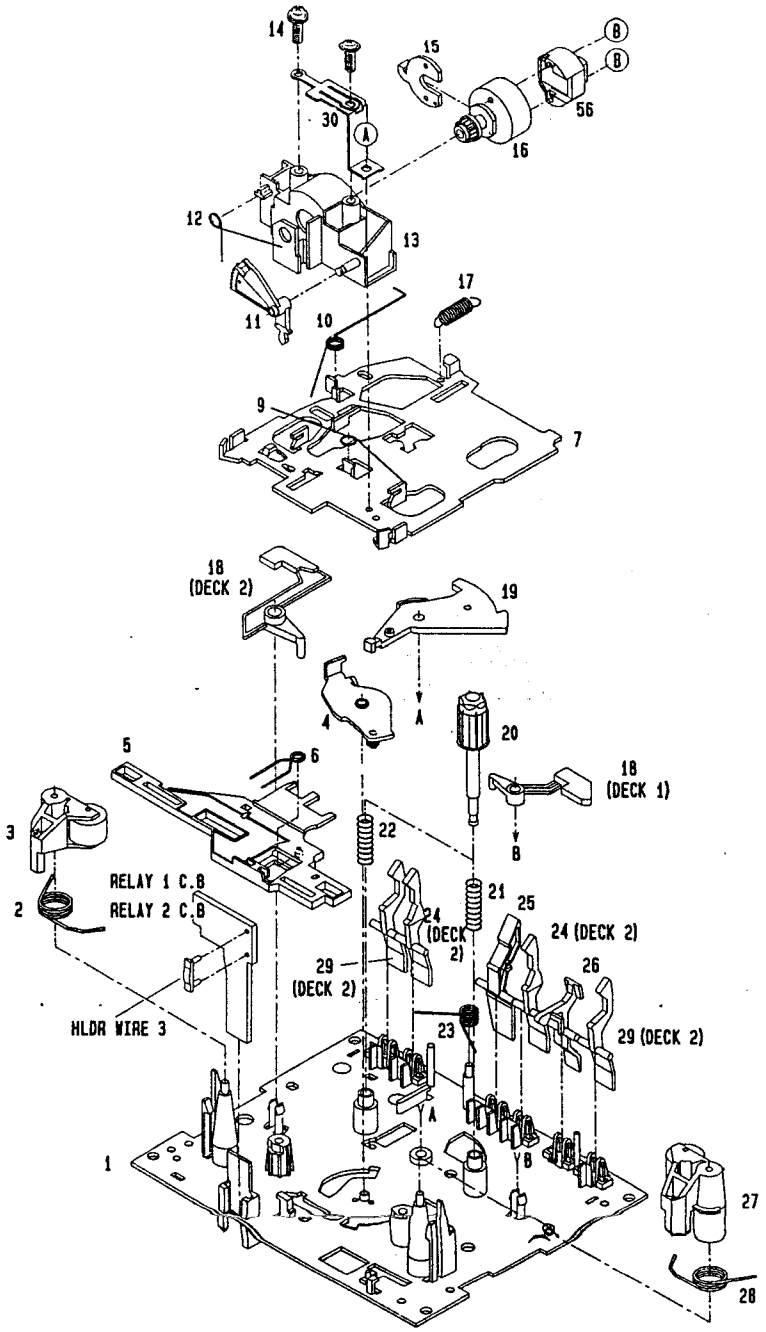


MECHANICAL PARTS LIST 1 / 1 (FX-WZ3400)

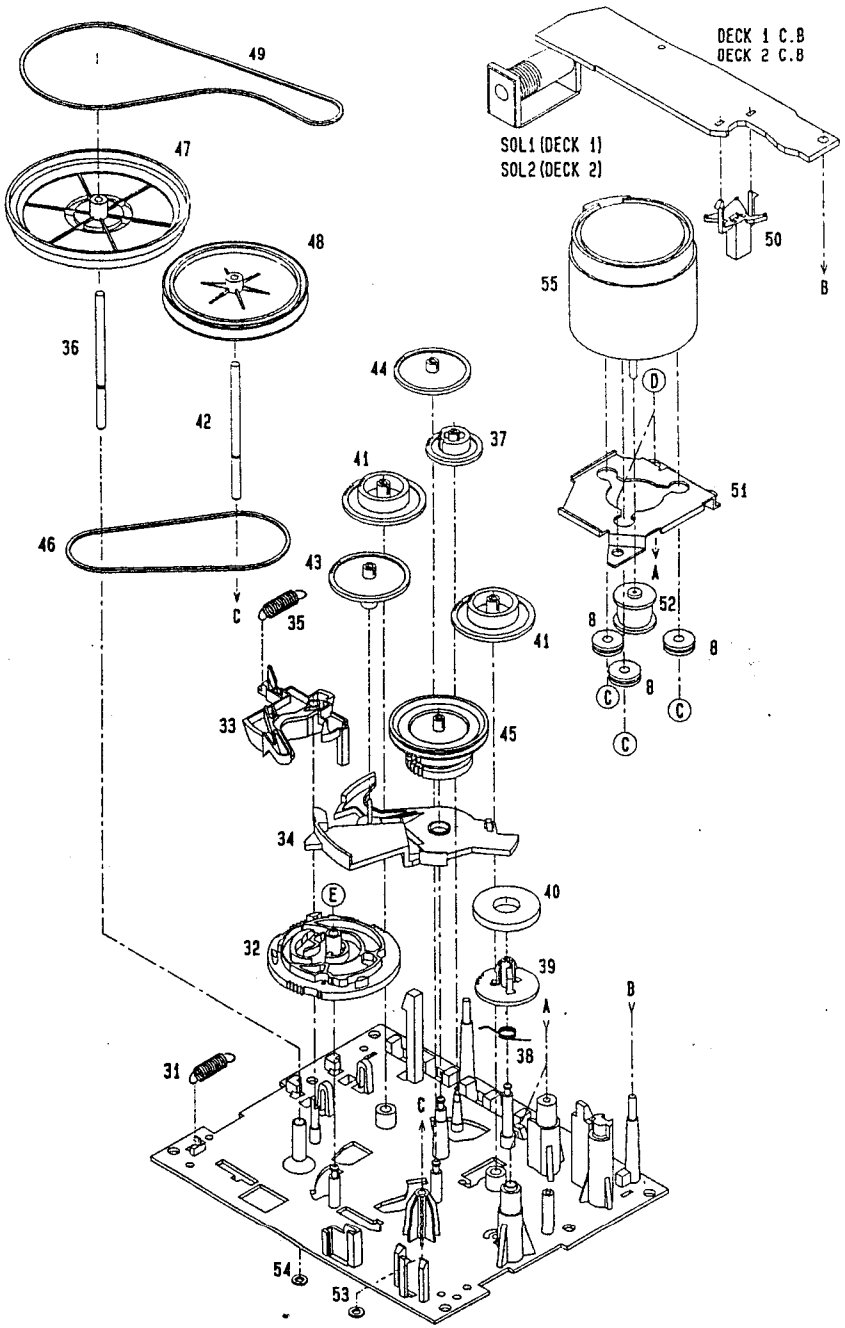
If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-NE8-032-019		BADGE AIWA 27.5
2	82-NF5-218-019		SRT-T,EJECT 1 (SIN)
3	82-NF5-219-019		SPR-T,EJECT 2 (SIN)
4	85-VW1-002-219		BOX,CASS 1
5	85-VW1-003-219		BOX,CASS 2
6	80-CD3-218-110		SPR-P CASS
7	85-VW1-008-019		WINDOW,BOX 1
8	85-VW1-009-019		WINDOW,BOX 2
9	82-VW2-211-019		FELT,20-7.5-2
10	84-VM5-013-010		RING,FOOT
11	85-VW2-002-019		WINDOW,DISPLAY
12	86-VW2-001-019		CABI,FR
13	87-063-165-019		OIL-DMPR 150
14	85-VW1-005-119		KEY,REC
15	85-VW1-004-019		KEY,PLAY 1
16	85-VW2-003-019		KEY,DUBB
17	85-VW1-012-019		KEY,PLAY 2
18	80-MK2-206-010		DMPR 27-44.5-3
19	86-VW1-203-019		PLATE,GND MECH
20	82-NF5-229-019		PLATE,LOCK
21	82-NF5-228-019		SPR-C,LOCK
22	82-NF5-226-019		HLDR LOCK 1N
23	82-NF5-227-019		HLDR,LOCK 2N
24	82-226-274-010		DMPR,80-60-3<YBN>
25	81-VW1-017-119		CAB,STEEL
26	82-VW2-623-019		CORD,FG 9P 750
27	89-VT5-202-010		BUSHING CORD
28	86-VW2-003-019		PANEL,REAR YBN<YBN>
28	86-VW2-002-019		PANEL,REAR YJBN<YJN>
29	87-070-108-019		LED,SLF 301C-37
A	87-067-178-019		VTT+2.6-3
B	87-067-641-019		UTT2+3-8 W/O SLOT BLK
C	87-067-761-019		BVT2+3-10 BLK
D	87-721-095-419		QT2+3-8GLD W/O SLOT
E	87-743-094-419		UT 2+3-6 W/O SLOT BLK

TAPE MECHANISM EXPLODED VIEW 1/2 (FX-WZ3400)



TAPE MECHANISM EXPLODED VIEW 2/2 (FX-WZ3400)

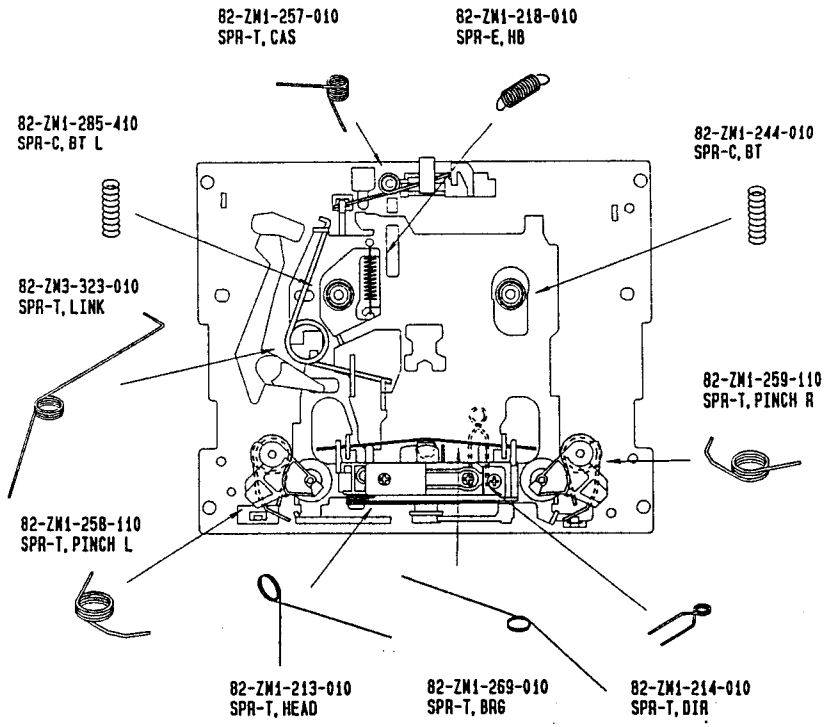


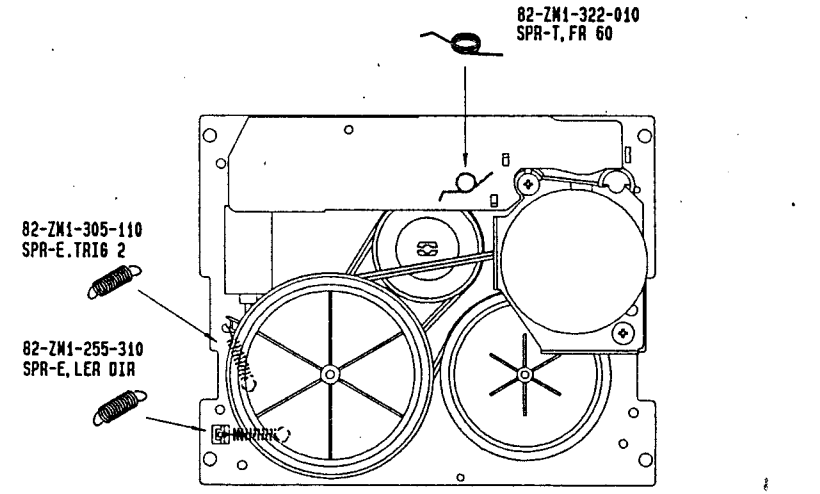
TAPE MECHANISM PARTS LIST 1 / 1 (FX-WZ3400)

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM1-327-210		CHAS ASSY,RN
2	82-ZM1-258-010		SPR-T,PINCH L
3	82-ZM1-341-010		LVR ASSY,PINCH L 2
4	82-ZM1-295-310		PLATE ASSY,LINK
5	82-ZM1-266-110		LVR,DIR
6	82-ZM1-214-010		SPR-T,DIR
7	82-ZM1-206-810		CHAS,HEAD
8	82-ZM1-308-010		CUSH-G,DIA 3.7-9-3.2
9	82-ZM1-269-210		SPR-T,BRG
10	82-ZM3-323-010		SPR-T,LINK 3
11	82-ZM1-210-110		GEAR,H T
12	82-ZM1-213-010		SPR-T,HEAD
13	82-ZM1-207-610		GUIDE,TAPE
14	82-ZM1-283-310		S-SCREW,AZIMUTH
15	82-ZM1-314-119		PLATE,HEAD
16	82-ZM1-208-110		HLDR,HEAD
17	82-ZM1-218-010		SPR-E,HB
18	82-ZM1-264-010		LVR,EJECT R (DECK 1)<P5>
18	82-ZM1-263-110		LVR,EJECT (DECK 2)<R5>
19	82-ZM1-222-210		LVR,PLAY
20	82-ZM1-217-310		REEL TABLE
21	82-ZM1-244-510		SPR-C,BT
22	82-ZM1-285-410		SPR-C,BT L
23	82-ZM1-257-010		SPR-T,CAS
24	82-ZM1-241-310		LVR,MC
25	82-ZM1-242-010		LVR,CAS
26	82-ZM1-243-010		LVR,STOP
27	82-ZM1-344-010		LVR ASSY,PINCH R
28	82-ZM1-259-110		SPR-T,PINCH R
29	82-ZM1-240-110		LVR,REC (DECK 2)<R5>
30	82-ZM1-298-010		SPR-P,EARTH
31	82-ZM1-255-310		SPR-E,LVR DIR
32	82-ZM1-221-110		GEAR,CAM
33	82-ZM1-227-210		LVR,TRIG
34	82-ZM1-224-410		LVR,FR
35	82-ZM1-305-110		SPR-E,TRIG 2
36	82-ZM1-239-010		CAPSTAN 2.2-41.7
37	82-ZM1-223-010		GEAR,PLAY
38	82-ZM1-322-010		SPR-T,FR 60
39	82-ZM1-220-210		GEAR,IDLER
40	82-ZM1-316-010		RING MAGNET 3
41	82-ZM1-216-310		GEAR,REEL
42	82-ZM1-236-010		CAPSTAN,2-41.5
43	82-ZM1-225-010		GEAR,FR
44	82-ZM1-226-010		GEAR,REW
45	82-ZM1-228-610		SLIP DISK ASSY
46	82-ZM1-338-010		BELT,FR 4
47	82-ZM1-238-610		FLY-WHL ASSY,R
48	82-ZM1-235-510		FLY-WHL ASSY,L
49	82-ZM1-340-010		BEKT,SBU MAIN 2
50	82-ZM1-245-210		HLDR,IC
51	82-ZM1-307-010		HLDR,MOTOR B
52	82-ZM1-247-110		PULLEY,MOTOR
53	82-ZM1-288-010		SH,1.63-3.2-0.5 SLT
54	80-ZM6-243-010		SH,1.75-3.6-0.5 SLT
55	87-045-348-010		MOT,SHW 2L 70(M1)
56	87-046-355-010		HEAD,PH HADKH2529B(PH)<P5>
56	87-046-356-010		HEAD,RPH HADKH5581B(RPH)<R5>
A	82-ZM1-315-010		S-SCREW,GUIDE TAPE
B	80-ZM6-207-010		V+1.6-7
C	82-ZM1-309-010		S-SCRW,MOTOR
D	87-741-073-410		UT2+2.6-6 GLD
E	87-B10-008-010		PW,2.15-6.8-0.4 SLT

SPRING APPLICATION POSITION (FX-WZ3400)





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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