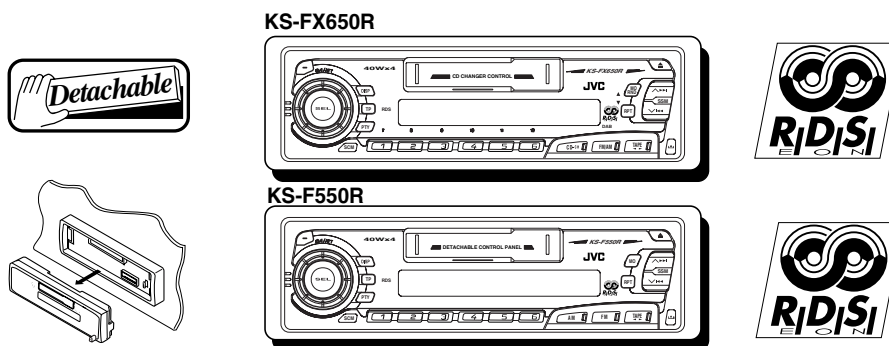


JVC

SERVICE MANUAL

CASSETTE RECEIVER

KS-FX650R KS-F550R



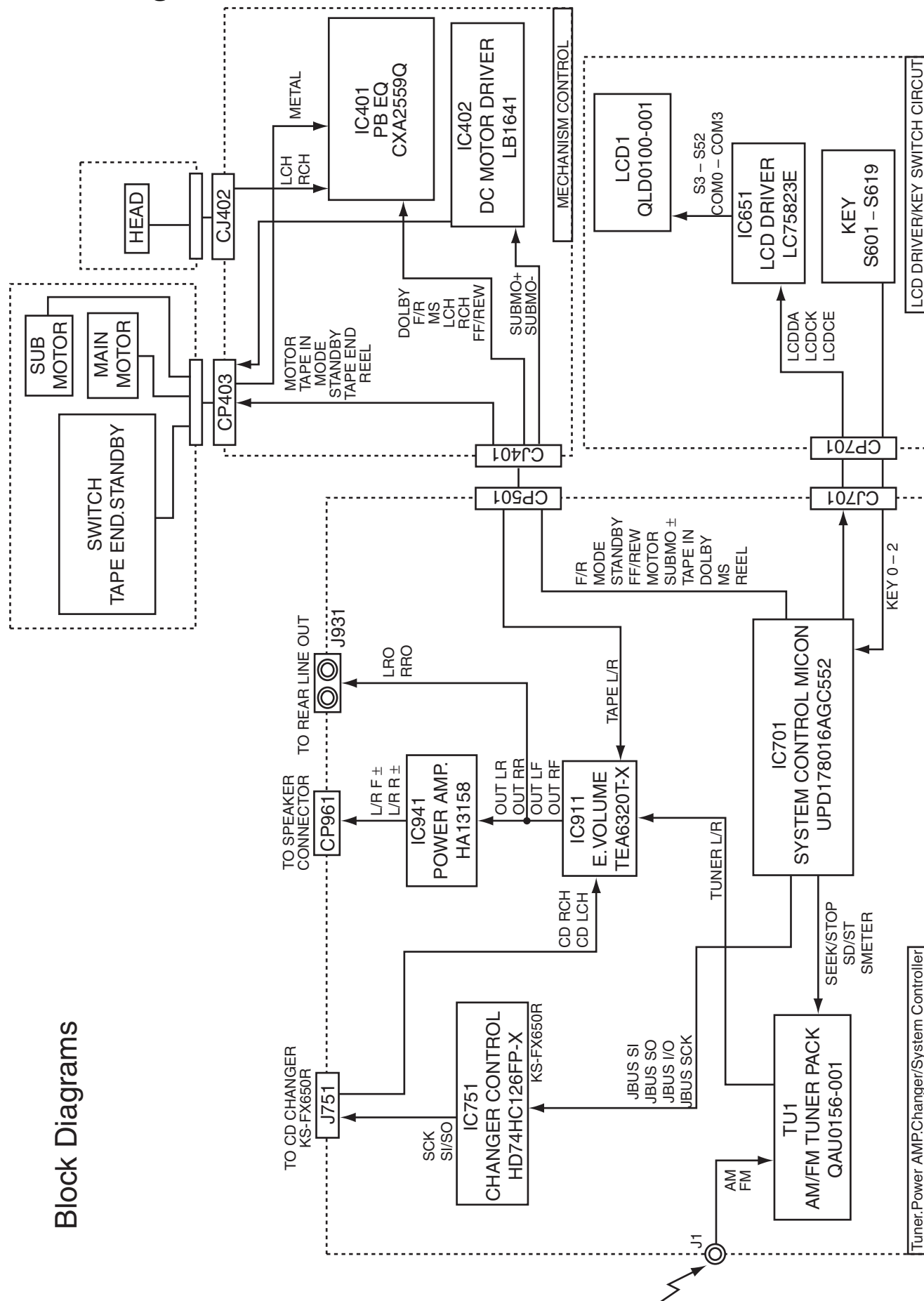
Area Suffix

E Continental Europe

Contents

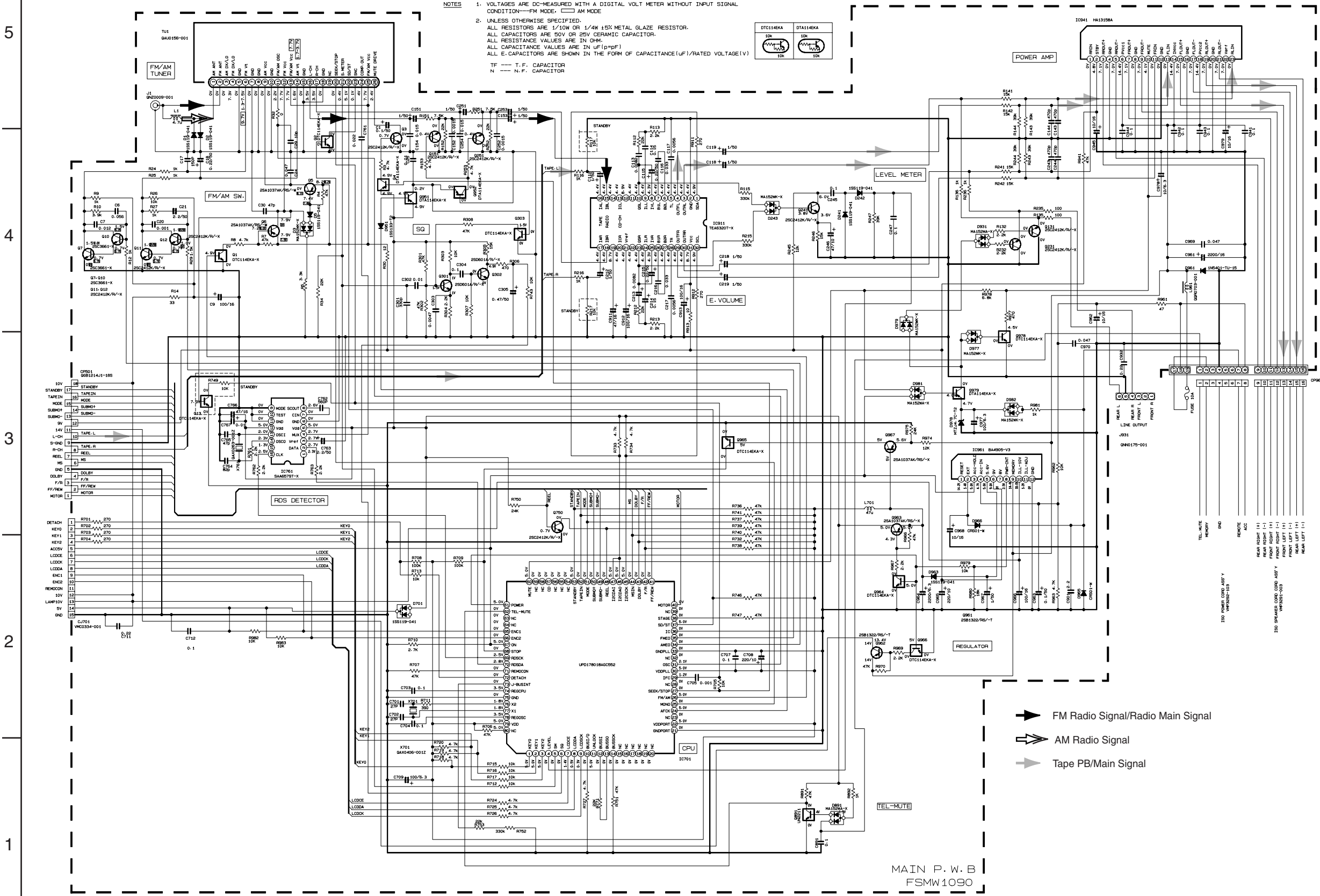
Safety precaution	1-2	Wiring connections	2-12
Instructions	1-3 - 17	Description of major ICs	2-13
Location of main parts	2-1	Block diagram	2-22
Disassembly method	2-2	Standard schematic diagrams	2-23
Adjustment method	2-8	Printed circuit boards	2-27
		Parts list	3-1 - 16

Block Diagrams



Standard Schematic Diagrams

Receiver & System control circuit section for KS-F550R



Note:s/C/es/3125ma.001

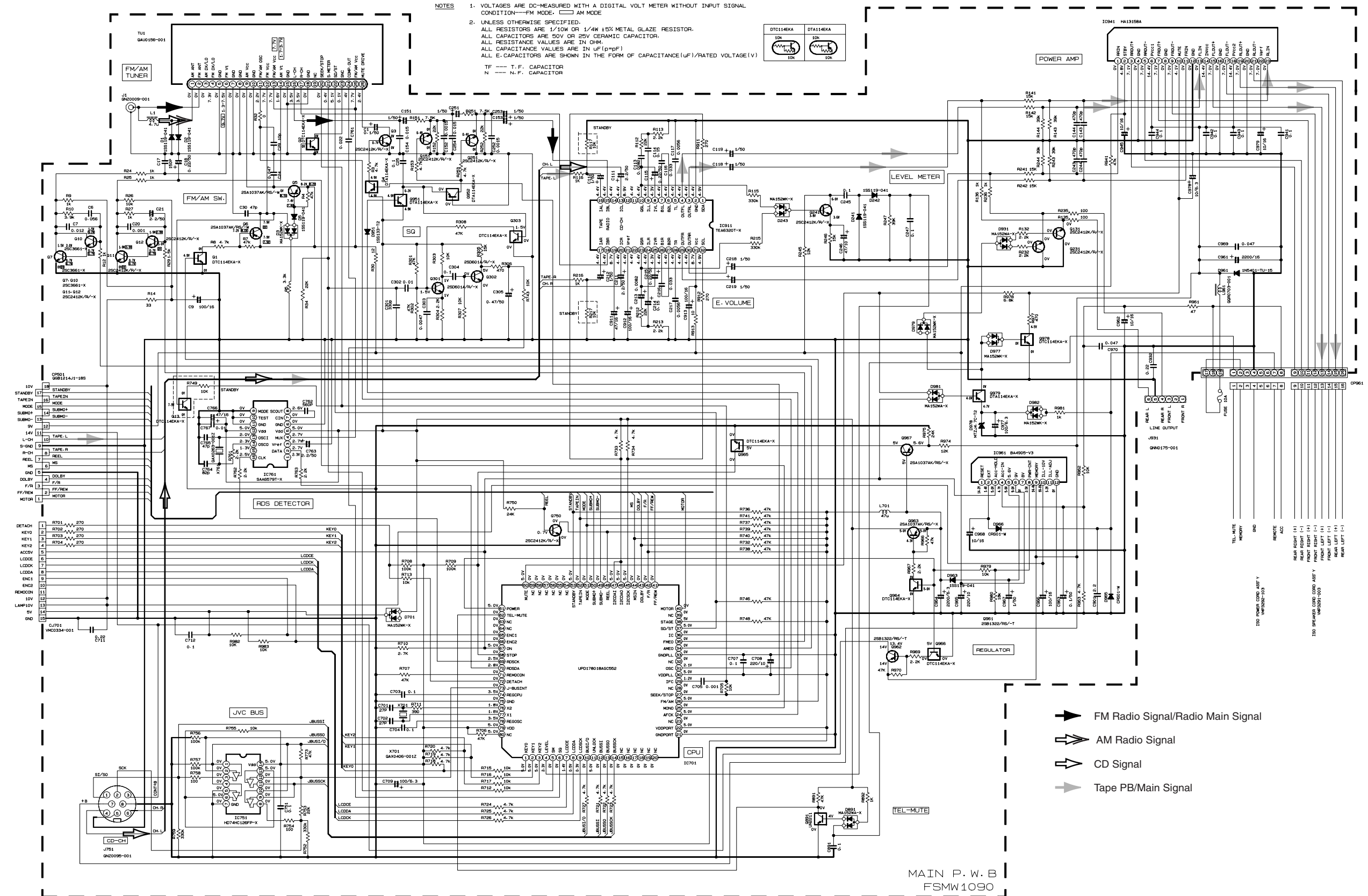
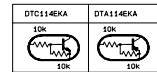
KS-F550RE/B/G/FSDH3125-005RV:1/3

KS-FX650R KS-F550R

Receiver & System control circuit section for KS-FX650R

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL
CONDITION—FM MODE. $\square$ AM MODE
 2. UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE 1/10W OR 1/4W 1% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM
ALL CAPACITANCE VALUES ARE IN μ F (pF)
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μ F)/RATED VOLTAGE (V)
- TF — T. F. CAPACITOR
N — N. F. CAPACITOR

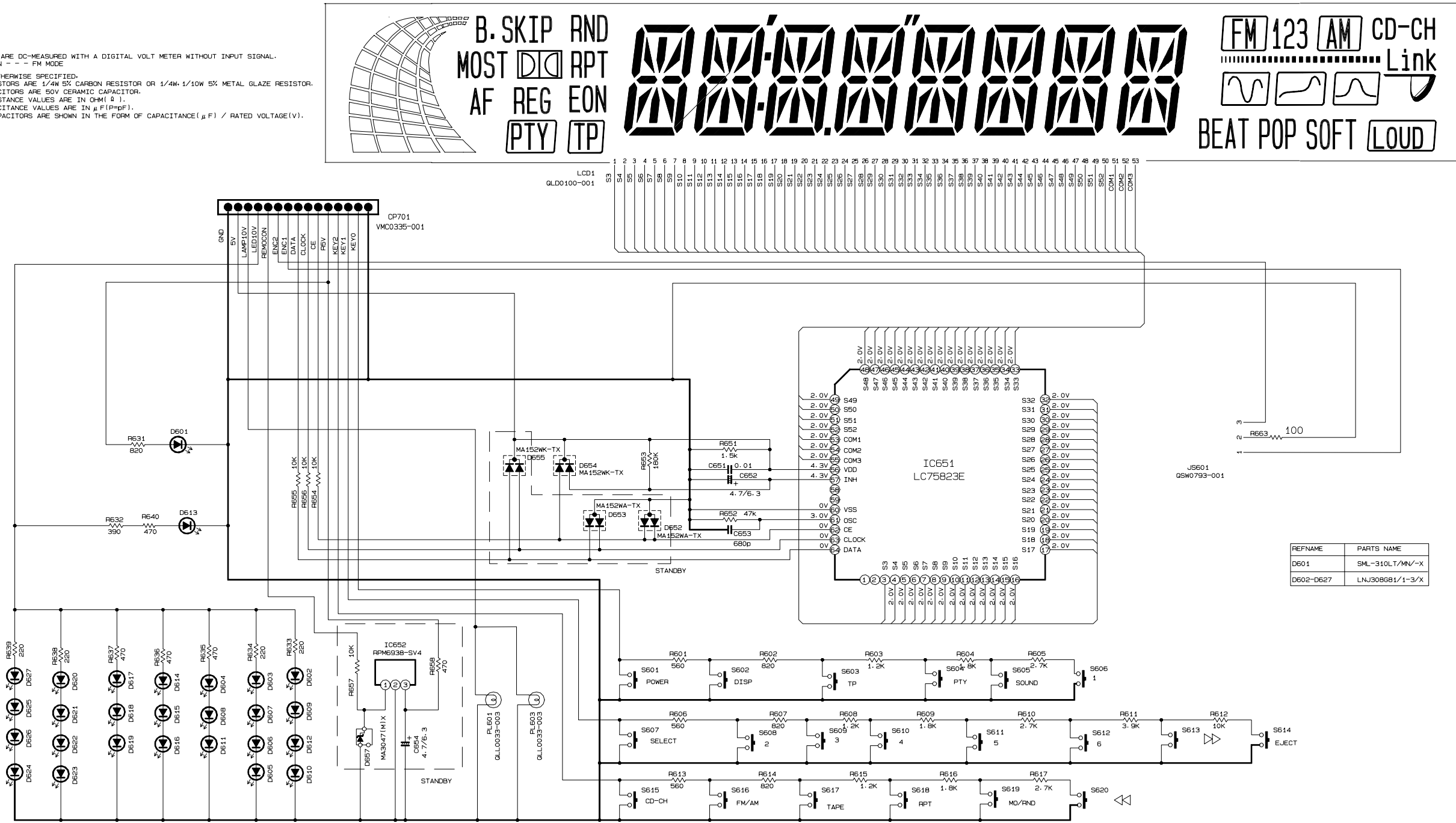


■LCD driver & Operation switch circuit section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION - - - FM MODE

2. UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE 1/4W 5% CARBON RESISTOR OR 1/4W-1/10W 5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μF(μF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).

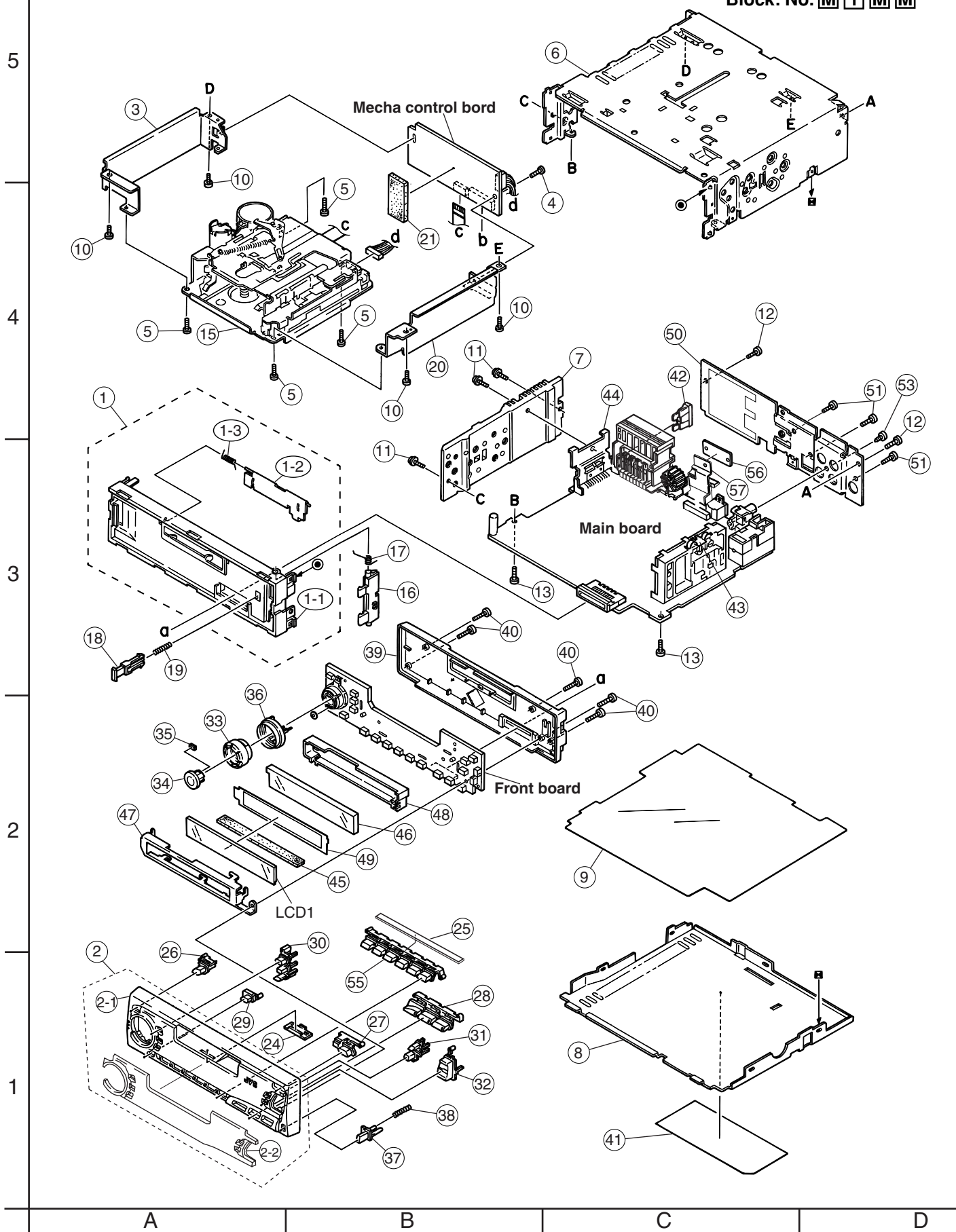


Note:/s/C/jes/3109sw.001

SW P.W.B. FSMW107B
KS-FX650RE:FSDH3109SW:2/3

Exploded view of general assembly and parts list

Block: No. **M 1 M M**



■ Parts list (General assembly)

Block No. M1MM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	1	ZCKSFX250J-FB	FRONT ASS'Y	1	KS-FX650R	
		ZCKSF550R-FB	FRONT ASS'Y	1	KS-F550R	
	1-1	FSJC1052-001	FRONT CHASSIS	1		
	1-2	FSJC3014-003	CASSETTE LID	1	KS-FX650R	
		FSJC3014-002	CASSETTE LID	1	KS-F550R	
	1-3	VKW4947-002	DOOR SPRING	1		
	2	ZCKSFX650R-NPA	FRONT PANEL ASS	1	KS-FX650R	
		ZCKSF550R-NPA	FRONT PANEL ASS	1	KS-F550R	
	2-1	FSJC1050-002	FRONT PANEL	1		
	2-2	FSJD3020-01B	FINDER ASSY	1	KS-FX650R	
		FSJD3020-01C	FINDER LENS	1	KS-F550R	
	3	FSKL2001-001	MECHA BKT (L)	1		
	4	QYSDST2606Z	SCREW	1	PCB+MECHA	
	5	QYSDST2606Z	SCREW	4	MECHA+M.BKT	
	6	FSJC1056-002	TOP CHASSIS	1		
	7	FSMH3001-201	HEAT SINK	1		
	8	FSKM3011-002	BOTTOM COVER	1		
	9	FSMA3004-203	INSULATOR	1		
	10	QYSDST2604Z	SCREW	4	CHASSIS+MECHA B	
	11	FSKZ4005-001	SCREW	3		
	12	QYSDST2606Z	SCREW	2	CHASSIS+REAR BK	
	13	QYSDST2606Z	SCREW	2	CHASSIS+MAIN PW	
	15	-----	CASSETTE MECHA	1	NEW COST DN MEC	
	16	FSKS3010-001	LOCK LEVER	1		
	17	FSKW4005-003	TORSION SPRING	1		
	18	FSXP3026-002	RLS KNOB	1		
	19	FSKW3002-004	COMP.SPRING	1		
	20	FSKL2002-001	MECHA BKT (R)	1	LEFT BKT	
	21	FSYH4036-050	SHEET	1		
	24	FSJK3014-001	LIGHT LENS	1		
	25	FSYH4036-031	BUTTON SHEET	1		
	26	FSXP3053-002	POWER BUTTON	1		
	27	FSXP3064-001	EJECT BUTTON	1		
	28	FSXP2038-001	DFUNC.BUTTON	1	KS-FX650R	
		FSXP2038-004	DFUNC.BUTTON	1	KS-F550R	
	29	FSXP4006-001	SCM BUTTON	1		
	30	FSXP2041-003	PUSH BUTTON(L)	1		
	31	FSXP3062-001	PUSH BUTTON(R)	1	KS-FX650R	
		FSXP3062-003	PUSH BUTTON(R)	1	KS-F550R	
	32	FSXP2043-001	UP DOWN BBUTTON	1		
	33	FSXK3003-005	VOLUME KNOB	1		
	34	FSXP3061-001	SELECT BUTTON	1		
	35	FSYH4036-032	BLIND SHEET	1		
	36	FSJK3027-001	RIM LENS	1		
	37	FSXP3063-001	DETACH BUTTON	1		
	38	FSKW3002-012	COMP. SPRING	1	FOR DETACH BUTT	
	39	FSJC1051-001	REAR COVER	1		
	40	VKZ4777-001	MINI SCREW	5	F.PANEL+REAR CO	
	41	FSYN3109-D005	NAME PLATE	1	KS-FX650R	
		FSYN3125-D005	NAME PLATE	1	KS-F550R	

KS-FX650R
KS-F550R

■Parts list (General assembly)

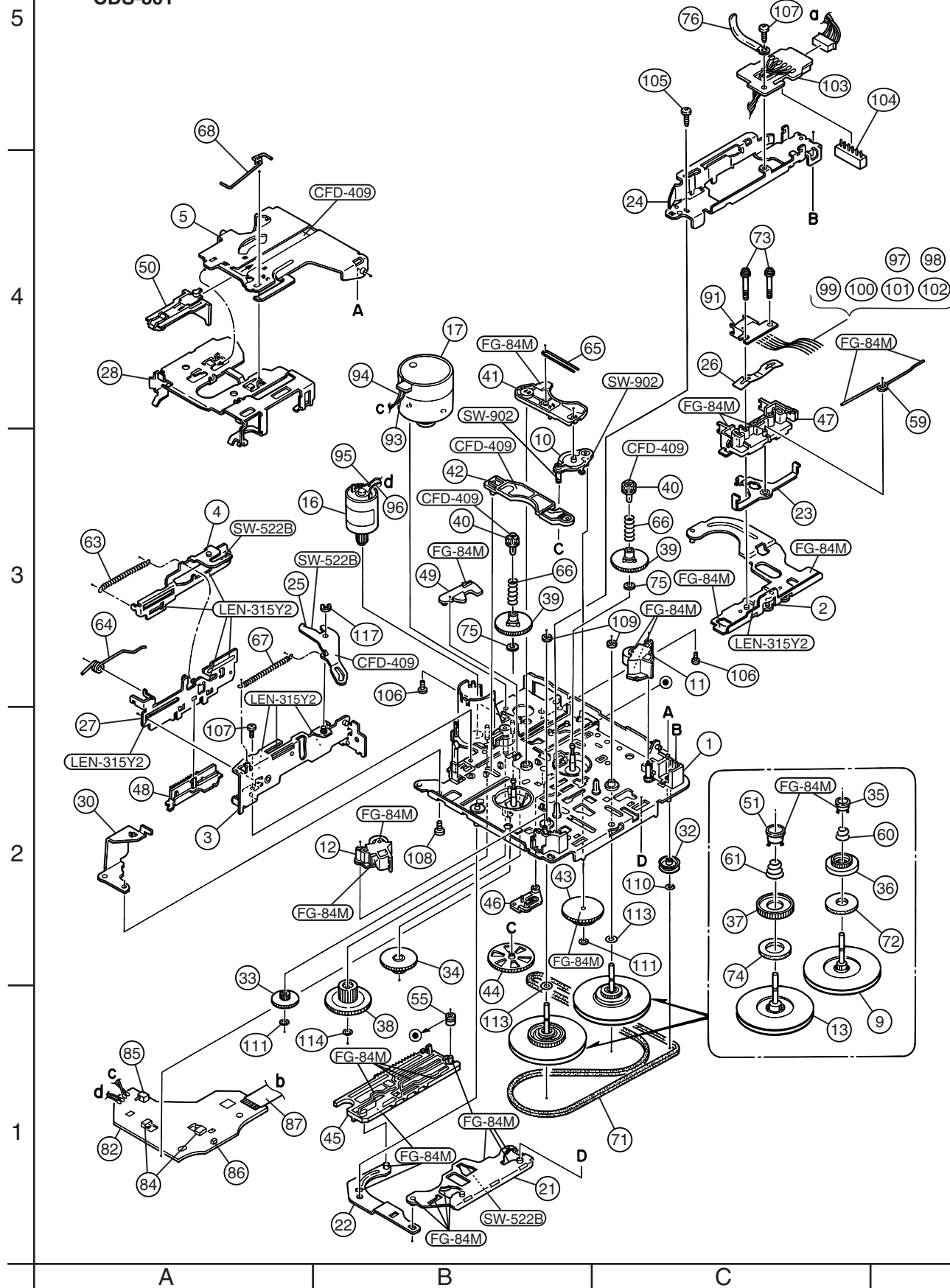
Block No. M1MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
⚠	42	QMFZ021-100-J1	FUSE	1		
	43	VMA4652-001SS	EARTH PLATE	1		
	44	FSKL4018-00B	P.W.B.BRACKET	1		
	45	QNZ0440-001	RUBB.CONNECTOR	1		
	46	FSJK3033-001	L.C.D.LENS	1		
	47	FSYH3021-001	L.C.D.CASE	1		
	48	FSKS3020-001	LENS CASE	1		
	49	FSYH4075-001	BLIND SHEET	1		
	50	FSKM3012-011	REAR BRACKET	1	KS-FX650R	
		FSKM3012-012	REAR BRACKET	1	KS-F550R	
	51	QYSDST2606Z	SCREW	3		
	53	QYSDSF3006Z	SCREW	1	PIN	
	55	FSXP2045-002	PRESET BUTTON	1	1-6	
	56	FSKL4014-002	HEAT SINK	1		
	57	FSKL4023-001	REG.BRACKET	1		
	LCD1	QLD0100-001	L.C.DISPL PANEL	1		

Cassette mechanism assembly and parts list

Block: No. **M 2 M M**

CDS-801



■Parts list (Cassette mechanism)

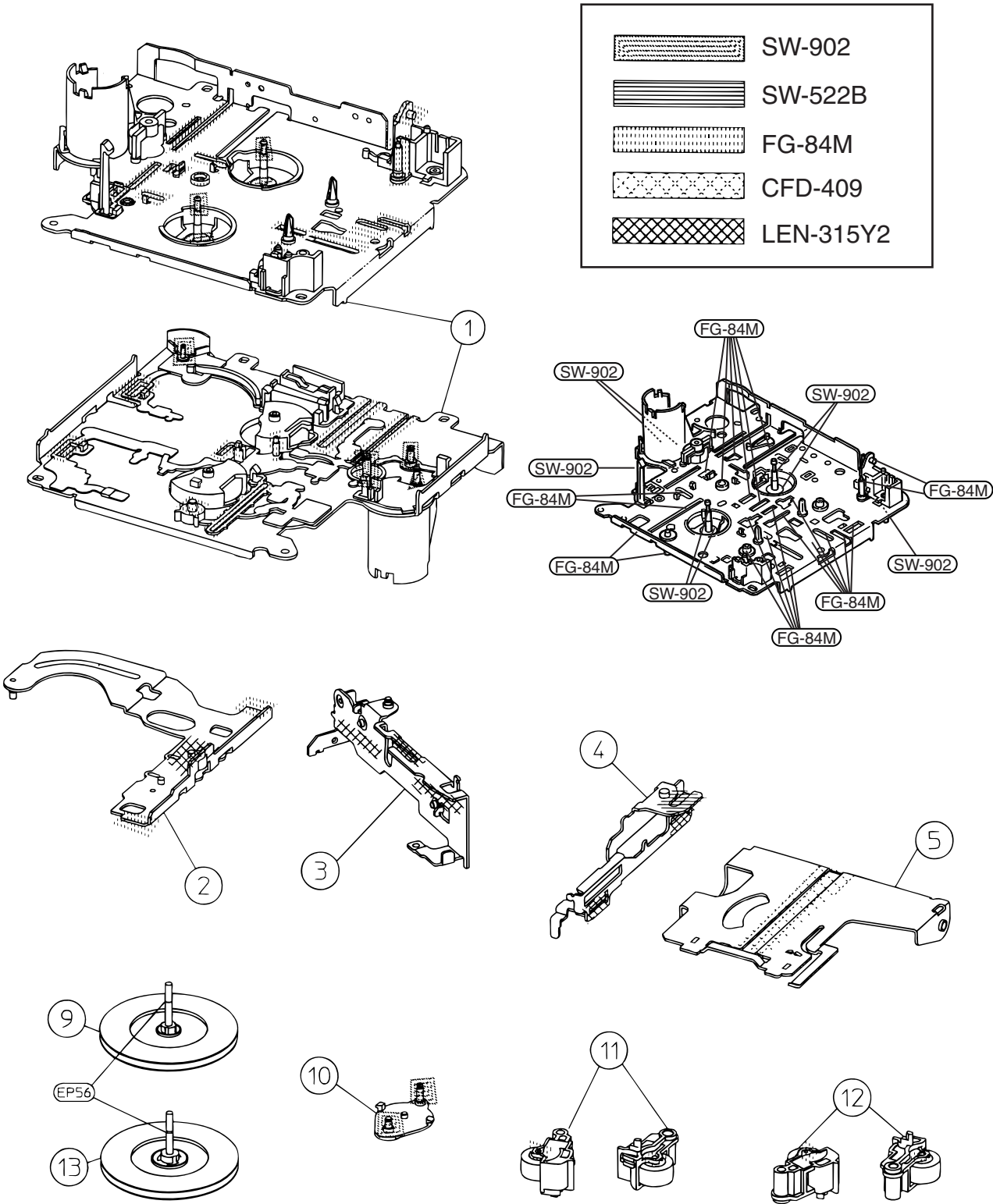
⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	X-0801-1003S	MAIN CHASSIS AS	1		
	2	X-0801-1002S	SLIDE CHASSIS A	1		
	3	X-0801-1008S	SIDE BKT ASS'Y	1		
	4	X-0801-1010S	EJECT CAM LIMIT	1		
	5	X-0801-1013S	CASSETTE HANGER	1		
	9	1-0801-6002S	FLYWHEEL ASSY F	1		
	10	X-0801-2003S	GEAR BASE ASS'Y	1		
	11	X-0801-2021S	PINCH ARM F ASS	1		
	12	X-0801-2022S	PINCH ARM R ASS	1		
	13	1-0801-6003S	FLYWHEEL ASSY R	1		
	16	X-0801-7006S	SUB MOTOR ASS'Y	1		
	17	X-0801-7057S	MAIN MOTOR ASSY	1		
	21	1-0801-1003S	DIRECTION PLATE	1		
	22	1-0801-1004S	DIRECTION LINK	1		
	23	1-0801-1005S	PINCH SPG ARM	1		
	24	1-0801-1006S	CASSETTE GUIDE	1		
	25	1-0801-1007S	LOAD ARM	1		
	26	1-0801-1009S	HEAD SUPT SPG	1		
	27	1-0801-1011S	EJECT CAM PLATE	1		
	28	1-0801-1012S	CASSETTE HOLDER	1		
	30	1-0801-1020S	REINFORCE BRKT	1		
	32	1-0101-2056S	IDLE PULLEY(A1)	1		
	33	1-0801-2004S	REDUCTION GEARA	1		
	34	1-0801-2005S	REDUCTION GEARB	1		
	35	1-0801-2006S	SPG HOLDER F	1		
	36	1-0801-2007S	FRICTION GEARPL	1		
	37	1-0801-2008S	FRICTION GEARFF	1		
	38	1-0801-2009S	MODE GEAR	1		
	39	1-0801-2010S	REEL SPINDLE	2		
	40	1-0801-2011S	REEL DRIVER	2		
	41	1-0801-2014S	GEAR BASE ARM	1		
	42	1-0801-2015S	GEAR BASE LINK	1		
	43	1-0801-2016S	TAKE UP GEAR	1		
	44	1-0801-2017S	REFLECTOR GEAR	1		
	45	1-0801-2018S	MODE RACK	1		
	46	1-0801-2019S	MODE SW ACTUATR	1		
	47	1-0801-2020S	TAPE GUIDE	1		
	48	1-0801-2023S	LOAD RACK	1		
	49	1-0801-2024S	RACK LINK	1		
	50	1-0801-2025S	CASSETTE CATCH	1		
	51	1-0801-2030S	SPG HOLDER R	1		
	55	1-0801-3005S	RACK COLLAR	1		
	59	1-0801-4001S	PINCH ARM SPG	1		
	60	1-0801-4002S	TU SPG	1		
	61	1-0801-4003S	FF SPG	1		
	63	1-0801-4005S	EJECTCAM PLT SP	1		
	64	1-0801-4006S	HOLDER CUSH SPG	1		
	65	1-0801-4007S	GEAR BASE SPG	1		
	66	1-0801-4008S	REEL DRIVER SPG	2		
	67	1-0801-4009S	LOAD ARM SPG	1		
	68	1-0801-4011S	HOLDER STAB SPG	1		
	71	1-0801-5001S	BELT	1		

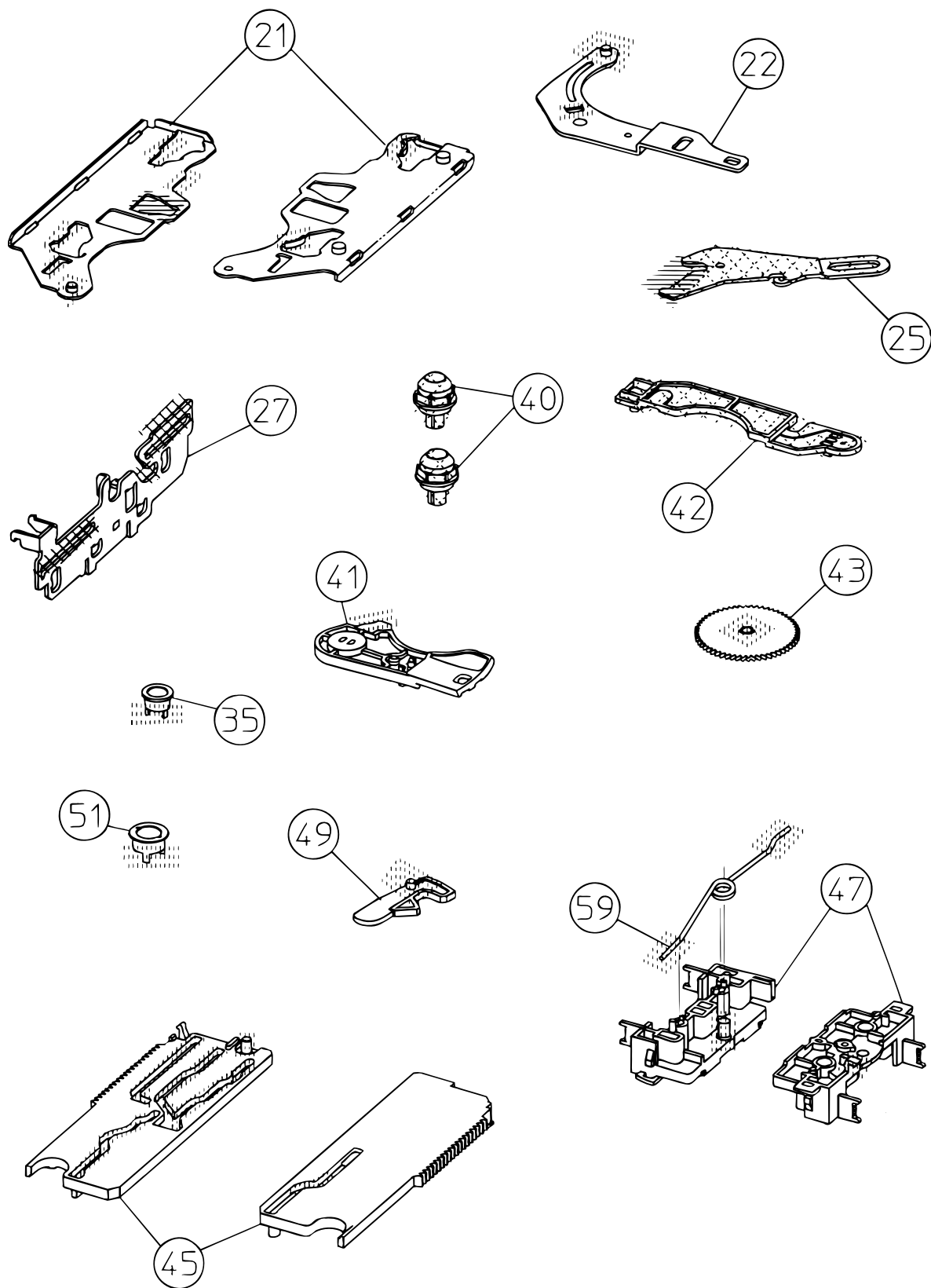
■Parts list (Cassette mechanism)

Block No. M2MM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	72	1-0801-5002S	FELT	1	7.5*18.5*1.0	
	73	1-0801-5003S	AZIMUTH SCR	2		
	74	1-0801-5004S	FELT	1	11*18.5*1.0	
	75	1-0801-5005S	REEL WASHER	2		
	76	21732-6280-36S	LUG PLATE	1		
	82	1-0801-7001S	REEL PCB DL	1		
	84	1-0801-7003S	SW(MATSUSHITA)	2	(ESE22MH2L)	
	85	1-0801-7005S	SW	1	(ALPS SPPB64)	
	86	1-0801-7024S	PHOTO SENSOR	1	(ON2170-QR FS)	
	87	1-0801-7026S	FLAT CABLE 10P	1		
	91	1-0801-7014S	HEAD	1	(MITSUMIP-5544)	
	93	10801-7009-0S	M.MOTOR WIRE	1	BLACK	
	94	10801-7009-1S	M.MOTOR WIRE	1	RED	
	95	10801-7010-0S	S.MOTOR WIRE	1	ORANGE	
	96	10801-7010-1S	S.MOTOR WIRE	1	BROWN	
	97	10801-7015-0S	HEAD WIRE BLACK	1		
	98	10801-7015-1S	HEAD WIRE BROWN	1		
	99	10801-7015-2S	HEAD WIRE RED	1		
	100	10801-7015-3S	HEAD WIRE ORANG	1		
	101	10801-7015-4S	HEAD WIRE YELLO	1		
	102	10801-7015-5S	HEAD WIRE WHITE	1		
	103	1-0801-7016S	HEAD PCB	1		
	104	1-0801-7025S	CONN S6B-PH-K-S	1		
	105	21382-3060-C2S	+PLAIN B-TYPE	1	M2.3*6.0	
	106	2-1032-0025-C2S	+SCREW PLAIN	2	M2*2.5	
	107	21332-0035-P1S	S-TYPE PRECISIO	2	M2*3.5	
	108	21112-6035-C2S	+SCREW PLAIN	1	M2.6*3.5	
	109	2-1816-0032-E8S	LMW-S	2	1.6*3.2*0.35	
	110	21812-0032-D2S	PSW-S	1	1.2*3.2*0.25	
	111	1-0036-5024S	PSW-S(REEL B)	2	1.5*3.2*0.25	
	113	2-1821-0040-D1S	PSW	2	2.1*4.0*0.25	
	114	21821-0040-D2S	PSW-S	1	2.1*4.0*0.25	
	117	2-1711-5040-16S	E-RING	1	1.5	

Grease point





KS-FX650R
KS-F550R

Electrical parts list

Main board Block No. 01

	Item	Parts number	Parts name	Remaks	Area		Item	Parts number	Parts name	Remaks	Area
	C 1	QERF1HM-104Z	E CAPACITOR	.10MF 20% 50V			C 911	QER41CM-476	E CAPACITOR	47MF 20% 16V	
	C 6	NCB21EK-563X	C CAPACITOR				C 912	QERF1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 7	NCB21EK-123X	C CAPACITOR				C 913	QERF1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 9	QERF1CM-107Z	E CAPACITOR	220MF 20% 10V			C 932	NCB21EK-104X	C CAPACITOR		
	C 17	NCS21HJ-151X	C CAPACITOR				C 941	NCB21EK-104X	C CAPACITOR		
	C 18	QERF1HM-224Z	E CAPACITOR	.22MF 20% 50V			C 942	NCB21EK-104X	C CAPACITOR		
	C 20	NCS21HJ-102X	C CAPACITOR				C 943	NCB21EK-104X	C CAPACITOR		
	C 21	QEQF1HM-225Z	E CAPACITOR	2.2MF 20% 50V			C 944	NCB21EK-104X	C CAPACITOR		
	C 24	NCB21EK-473X	C CAPACITOR				C 945	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C 25	NCB21EK-104X	C CAPACITOR				C 961	QETB1CM-228	E CAPACITOR	2200MF 20% 16V	
	C 29	NDC21HJ-100X	C CAPACITOR				C 962	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C 30	NDC21HJ-470X	C CAPACITOR				C 963	QERF1HM-104Z	E CAPACITOR	.10MF 20% 50V	
	C 31	NCS21HJ-101X	C CAPACITOR				C 964	QETN0JM-228Z	E CAPACITOR	2200MF 20% 6.3V	
	C 111	QERF1HM-225Z	E CAPACITOR	KS-FX650R			C 965	QER41AM-227	E CAPACITOR	220MF 20% 10V	
	C 112	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			C 966	QERF1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 113	QFLA1HJ-822Z	M CAPACITOR	8200PF 5% 50V			C 967	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 114	QFV61HJ-154Z	TF CAPACITOR	.15MF 5% 50V			C 968	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C 115	QERF1HM-224Z	E CAPACITOR	.22MF 20% 50V			C 969	NCB21EK-473X	C CAPACITOR		
	C 116	QFV61HJ-333Z	TF CAPACITOR	.033MF 5% 50V			C 970	NCB21EK-473X	C CAPACITOR		
	C 117	QFLA1HJ-562Z	M CAPACITOR	5600PF 5% 50V			C 977	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V	
	C 118	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			C 978	QERF1AM-106Z	E CAPACITOR	10MF 20% 10V	
	C 119	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			C 979	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C 143	NCS21HJ-471X	C CAPACITOR				CJ701	VMC0334-001	CONNECTOR		
	C 144	NCS21HJ-471X	C CAPACITOR				CP50	QGB1214J1-18S	CONNECTOR		
	C 151	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			CP96	QNZ0112-001	CAR CONNECTOR		
	C 152	NCB21HK-122X	C CAPACITOR				D 1	1SS119-041	SI DIODE		
	C 153	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			D 2	1SS119-041	SI DIODE		
	C 154	NCB21HK-153X	C CAPACITOR				D 3	MA152WK-X	SI DIODE		
	C 211	QERF1HM-225Z	E CAPACITOR	KS-FX650R			D 5	1SS119-041	SI DIODE		
	C 212	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			D 6	MTZJ9.1C-T2	Z DIODE I/M		
	C 213	QFLA1HJ-822Z	M CAPACITOR	8200PF 5% 50V			D 241	1SS119-041	SI DIODE		
	C 214	QFV61HJ-154Z	TF CAPACITOR	.15MF 5% 50V			D 242	1SS119-041	SI DIODE		
	C 215	QERF1HM-224Z	E CAPACITOR	.22MF 20% 50V			D 243	MA152WK-X	SI DIODE		
	C 216	QFV61HJ-333Z	TF CAPACITOR	.033MF 5% 50V			D 701	MA152WK-X	SI DIODE		
	C 217	QFLA1HJ-562Z	M CAPACITOR	5600PF 5% 50V			D 741	1SS119-041	SI DIODE		
	C 218	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			D 742	1SS119-041	SI DIODE		
	C 219	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			D 891	MA152WA-X	DIODE		
	C 243	NCS21HJ-471X	C CAPACITOR				D 931	MA152WA-X	DIODE		
	C 244	NCS21HJ-471X	C CAPACITOR				D 951	1SS133-T2	SI DIODE		
	C 245	NCB21EK-104X	C CAPACITOR				D 961	1N5401-TU-15	DIODE		
	C 246	QERF1AM-476Z	E CAPACITOR	47MF 20% 10V			D 963	1SS119-041	SI DIODE		
	C 247	NCB21EK-104X	C CAPACITOR				D 965	CRS03-W	SB DIODE		
	C 251	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			D 966	CRS03-W	SB DIODE		
	C 252	NCB21HK-122X	C CAPACITOR				D 977	MA152WK-X	SI DIODE		
	C 253	QER41HM-105	E CAPACITOR	1.0MF 20% 50V			D 978	MTZJ4.7C-T2	Z.DIODE I.M		
	C 254	NCB21HK-153X	C CAPACITOR				D 979	MA152WK-X	SI DIODE		
	C 301	NCB21HK-331X	C.CAPA. C.M	SQ USE			D 981	MA152WA-X	DIODE		
	C 302	NCB21HK-103X	C CAPACITOR	SQ USE			D 982	MA152WK-X	SI DIODE		
	C 303	NCB21EK-472X	C CAPACITOR	MARKET CLAIM			IC701	UPD178018AGC552	IC		
	C 304	NCB21EK-104X	C CAPACITOR	SQ USE			IC751	HD74HC126FP-X	IC	KS-FX650R	
	C 305	QERF1HM-474Z	E CAPACITOR	SQ USE			IC761	SAA6579T-X	IC		
	C 701	NDC21HJ-270X	C CAPACITOR				IC911	TEA6320T-X	IC		
	C 702	NDC21HJ-270X	C CAPACITOR				IC941	HA13158A	IC		
	C 703	NCB21EK-104X	C CAPACITOR				IC961	BA4905-V3	IC		
	C 704	NCB21EK-104X	C CAPACITOR				J 1	QNZ0009-001	CAR ANT JACK		
	C 705	NCB21HK-102X	C CAPACITOR				J 751	QNZ0095-001	CONNECTOR	KS-FX650R	
	C 707	NCB21EK-104X	C CAPACITOR				J 931	QNN0170-001	PIN JACK (REEL)		
	C 708	QER41AM-227	E CAPACITOR	220MF 20% 10V			L 1	QLL231K-4R7Y	INDUCTOR		
	C 709	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V			L 701	QLL231K-470Y	INDUCTOR		
	C 710	NCS21HJ-121X	C CAPACITOR				L 961	QQR0703-001	CHOKE COIL		
	C 711	NCB21CK-224X	C CAPACITOR				Q 1	DTC114EKA-X	TR		
	C 712	NCB21HK-104X	C CAPACITOR				Q 2	DTC114EKA-X	TR		
	C 713	NCS21HJ-121X	C CAPACITOR				Q 3	2SC2412K/R/-X	TRANSISTOR		
	C 751	NCB21EK-104X	C CAPACITOR	KS-FX650R			Q 4	DTA114EKA-X	DIGITAL.TRANSIS		
	C 761	NCB21EK-223X	C CAPACITOR				Q 5	2SA1037AK/RS/-X	TRANSISTOR		
	C 762	NCS21HJ-561X	C CAPACITOR				Q 6	2SA1037AK/RS/-X	TRANSISTOR		
	C 763	QERF1HM-225Z	E CAPACITOR	2.2MF 20% 50V			Q 7	2SC3661-X	TRANSISTOR		
	C 764	NDC21HJ-820X	C CAPACITOR				Q 10	2SC3661-X	TRANSISTOR		
	C 765	NDC21HJ-470X	C CAPACITOR				Q 11	2SC2412K/R/-X	TRANSISTOR		
	C 766	QER41CM-476	E CAPACITOR	47MF 20% 16V			Q 12	2SC2412K/R/-X	TRANSISTOR		
	C 767	NCB21HK-103X	C CAPACITOR				Q 131	2SC2412K/R/-X	TRANSISTOR		
	C 891	NCB21EK-104X	C CAPACITOR				Q 151	2SC2412K/R/-X	TRANSISTOR		
	C 901	NCB11CK-225X	C CAPACITOR				Q 231	2SC2412K/R/-X	TRANSISTOR		

■ Main board

Block No. 01

Item	Parts number	Parts name	Remarks	Area
Q 241	2SC2412K/R/-X	TRANSISTOR		
Q 251	2SC2412K/R/-X	TRANSISTOR		
Q 301	2SD601A/R/-X	TRANSISTOR	SQ USE	
Q 302	2SD601A/R/-X	TRANSISTOR	SQ USE	
Q 303	DTC114EKA-X	TR		
Q 750	2SC2412K/R/-X	SI.TRANSISTOR		
Q 891	UN2211-X	TRANSISTOR		
Q 951	DTA114EKA-X	DIGITAL.TRANSIS		
Q 952	DTA114EKA-X	DIGITAL.TRANSIS		
Q 962	2SB1322/RS/-T	TRANSISTOR		
Q 963	2SA1037AK/RS/-X	TRANSISTOR		
Q 964	DTC114EKA-X	TR		
Q 965	DTC114EKA-X	TR		
Q 966	DTC114EKA-X	TR		
Q 967	2SA1037AK/RS/-X	TRANSISTOR		
Q 978	DTC114EKA-X	TR		
Q 979	DTA114EKA-X	DIGITAL.TRANSIS		
R 3	NRSA02J-472X	MG RESISTOR		
R 4	NRSA02J-473X	MG RESISTOR		
R 5	NRSA02J-332X	MG RESISTOR		
R 7	NRSA02J-473X	MG RESISTOR		
R 8	NRSA02J-472X	MG RESISTOR		
R 9	NRSA02J-102X	MG RESISTOR		
R 10	NRSA02J-392X	MG RESISTOR		
R 12	NRSA02J-102X	MG RESISTOR		
R 14	NRS181J-330X	MG RESISTOR		
R 24	NRSA02J-102X	MG RESISTOR		
R 25	NRSA02J-102X	MG RESISTOR		
R 26	NRSA02J-103X	MG RESISTOR		
R 27	NRSA02J-102X	MG RESISTOR		
R 29	NRSA02J-152X	MG RESISTOR		
R 30	NRS181J-120X	MG RESISTOR		
R 32	NRSA02J-0R0X	MG RESISTOR		
R 34	NRSA02J-223X	MG RESISTOR		
R 112	NRSA02J-223X	MG RESISTOR		
R 113	NRSA02J-222X	MG RESISTOR		
R 115	NRS181J-334X	MG RESISTOR		
R 116	NRS181J-102X	MG RESISTOR		
R 132	NRSA02J-222X	MG RESISTOR		
R 135	NRSA02J-101X	MG RESISTOR		
R 136	NRSA02J-102X	MG RESISTOR		
R 141	NRSA02J-153X	MG RESISTOR		
R 142	NRSA02J-153X	MG RESISTOR		
R 143	NRSA02J-393X	MG RESISTOR		
R 144	NRSA02J-393X	MG RESISTOR		
R 151	NRSA02J-103X	MG RESISTOR		
R 152	NRSA02J-223X	MG RESISTOR		
R 153	NRSA02J-472X	MG RESISTOR		
R 212	NRSA02J-223X	MG RESISTOR		
R 213	NRSA02J-222X	MG RESISTOR		
R 215	NRS181J-334X	MG RESISTOR		
R 216	NRS181J-102X	MG RESISTOR		
R 232	NRSA02J-222X	MG RESISTOR		
R 235	NRS181J-101X	MG RESISTOR		
R 236	NRSA02J-102X	MG RESISTOR		
R 241	NRSA02J-153X	MG RESISTOR		
R 242	NRSA02J-153X	MG RESISTOR		
R 243	NRSA02J-393X	MG RESISTOR		
R 244	NRSA02J-393X	MG RESISTOR		
R 245	NRS181J-123X	MG RESISTOR		
R 246	NRSA02J-153X	MG RESISTOR		
R 247	NRSA02J-393X	MG RESISTOR		
R 251	NRSA02J-103X	MG RESISTOR		
R 252	NRSA02J-223X	MG RESISTOR		
R 253	NRSA02J-472X	MG RESISTOR		
R 301	NRSA02J-473X	MG RESISTOR	SQ USE	
R 302	NRSA02J-473X	MG RESISTOR	SQ USE	
R 303	NRSA02J-103X	MG RESISTOR	SQ USE	
R 304	NRSA02J-222X	MG RESISTOR	SQ USE	
R 305	NRSA02J-153X	MG RESISTOR	SQ USE	
R 306	NRSA02J-471X	MG RESISTOR	SQ USE	
R 307	NRSA02J-103X	MG RESISTOR	SQ USE	
R 308	NRSA02J-473X	MG RESISTOR		

Item	Parts number	Parts name	Remarks	Area
R 701	NRSA02J-271X	MG RESISTOR		
R 702	NRS181J-271X	MG RESISTOR		
R 703	NRS181J-271X	MG RESISTOR		
R 704	NRSA02J-271X	MG RESISTOR		
R 705	NRSA02J-103X	MG RESISTOR		
R 706	NRSA02J-473X	MG RESISTOR		
R 707	NRS181J-473X	MG RESISTOR	REMOTE TO GND	
R 708	NRSA02J-104X	MG RESISTOR		
R 709	NRS181J-104X	MG RESISTOR		
R 710	NRS181J-272X	MG RESISTOR		
R 711	NRSA02J-391X	MG RESISTOR		
R 712	NRS181J-103X	MG RESISTOR		
R 713	NRSA02J-103X	MG RESISTOR		
R 715	NRS181J-103X	MG RESISTOR		
R 716	NRS181J-103X	MG RESISTOR		
R 717	NRS181J-103X	MG RESISTOR		
R 718	NRS181J-472X	MG RESISTOR		
R 719	NRSA02J-472X	MG RESISTOR		
R 720	NRSA02J-472X	MG RESISTOR		
R 721	NRS181J-472X	MG RESISTOR	KS-FX650R	
R 722	NRSA02J-472X	MG RESISTOR	KS-FX650R	
R 723	NRS181J-472X	MG RESISTOR	KS-FX650R	
R 724	NRS181J-472X	MG RESISTOR		
R 725	NRS181J-472X	MG RESISTOR		
R 726	NRS181J-472X	MG RESISTOR		
R 727	NRSA02J-472X	MG RESISTOR		
R 732	NRS181J-473X	MG RESISTOR		
R 733	NRSA02J-472X	MG RESISTOR		
R 734	NRSA02J-472X	MG RESISTOR		
R 736	NRSA02J-473X	MG RESISTOR		
R 737	NRSA02J-473X	MG RESISTOR		
R 738	NRS181J-473X	MG RESISTOR		
R 739	NRSA02J-473X	MG RESISTOR		
R 740	NRS181J-473X	MG RESISTOR		
R 741	NRSA02J-473X	MG RESISTOR		
R 743	NRSA02J-103X	MG RESISTOR	SQ USE	
R 746	NRSA02J-473X	MG RESISTOR		
R 747	NRSA02J-473X	M.G.RESISTOR	KS-F550R	
R 748	NRSA02J-473X	MG RESISTOR	KS-FX650R	
R 750	NRSA02J-243X	MG RESISTOR		
R 751	NRSA02J-473X	M.G.RESISTOR	KS-F550R	
R 752	NRSA02J-334X	MG RESISTOR		
R 753	NRSA02J-223X	MG RESISTOR		
R 754	NRSA02J-101X	MG RESISTOR	KS-FX650R	
R 755	NRSA02J-103X	MG RESISTOR	KS-FX650R	
R 756	NRSA02J-104X	MG RESISTOR	KS-FX650R	
R 757	NRSA02J-104X	MG RESISTOR		
R 758	NRSA02J-101X	MG RESISTOR	KS-FX650R	
R 759	NRSA02J-334X	MG RESISTOR	KS-FX650R	
R 761	NRSA02J-222X	MG RESISTOR		
R 762	NRSA02J-222X	MG RESISTOR		
R 763	NRSA02J-222X	MG RESISTOR		
R 771	NRSA02J-223X	M.G.RESISTOR	KS-F550R	
R 773	NRSA02J-473X	MG RESISTOR	KS-FX650R	
R 891	NRSA02J-473X	MG RESISTOR		
R 892	NRSA02J-102X	MG RESISTOR		
R 911	NRSA02J-271X	MG RESISTOR		
R 912	NRSA02J-271X	MG RESISTOR		
R 913	NRS181J-100X	MG RESISTOR		
R 941	NRSA02J-473X	MG RESISTOR		
R 961	QRE141J-470Y	C RESISTOR	47 5% 1/4W	
R 962	NRSA02J-103X	MG RESISTOR		
R 963	NRSA02J-472X	MG RESISTOR		
R 966	NRSA02J-473X	MG RESISTOR		
R 967	NRSA02J-222X	MG RESISTOR		
R 969	NRSA02J-222X	MG RESISTOR		
R 970	NRSA02J-473X	MG RESISTOR		
R 974	NRS181J-123X	MG RESISTOR		
R 975	QRE141J-243Y	C RESISTOR	24K 5% 1/4W	
R 977	NRS181J-471X	MG RESISTOR		
R 978	NRS181J-682X	MG RESISTOR		
R 979	NRSA02J-103X	MG RESISTOR		

KS-FX650R
KS-F550R

■ Main board

Block No. 01

	Item	Parts number	Parts name	Remarks	Area
	R 980	NRSA02J-183X	MG RESISTOR	MARKET CLAIM	
	R 981	NRS181J-102X	MG RESISTOR		
	R 982	NRS181J-103X	MG RESISTOR		
	R 983	NRS181J-103X	MG RESISTOR		
	TU 1	QAU0156-001	TUNER		
	X 701	QAX0406-001Z	CRYSTAL		
	X 761	QAX0263-001Z	CRYSTAL		

■ Front board

Block No. 02

⚠	Item	Parts number	Parts name	Remarks	Area
	C 651	NCB21HK-103X	C CAPACITOR		
	C 652	NBE20JM-475X	TS E CAPACITOR		
	C 653	NCB21HK-681X	C CAPACITOR		
	CP70	VMC0335-001	CONNECTOR		
	D 601	SML-310LT/MN/-X	LED		
	D 602	LNJ308G81/1-3/X	LED		
	D 603	LNJ308G81/1-3/X	LED		
	D 604	LNJ308G81/1-3/X	LED		
	D 605	LNJ308G81/1-3/X	LED		
	D 606	LNJ308G81/1-3/X	LED		
	D 607	LNJ308G81/1-3/X	LED		
	D 608	LNJ308G81/1-3/X	LED		
	D 609	LNJ308G81/1-3/X	LED		
	D 610	LNJ308G81/1-3/X	LED		
	D 611	LNJ308G81/1-3/X	LED		
	D 612	LNJ308G81/1-3/X	LED		
	D 613	LNJ308G81/1-3/X	LED		
	D 614	LNJ308G81/1-3/X	LED		
	D 615	LNJ308G81/1-3/X	LED		
	D 616	LNJ308G81/1-3/X	LED		
	D 617	LNJ308G81/1-3/X	LED		
	D 618	LNJ308G81/1-3/X	LED		
	D 619	LNJ308G81/1-3/X	LED		
	D 620	LNJ308G81/1-3/X	LED		
	D 621	LNJ308G81/1-3/X	LED		
	D 622	LNJ308G81/1-3/X	LED		
	D 623	LNJ308G81/1-3/X	LED		
	D 624	LNJ308G81/1-3/X	LED		
	D 625	LNJ308G81/1-3/X	LED		
	D 626	LNJ308G81/1-3/X	LED		
	D 627	LNJ308G81/1-3/X	LED		
	D 654	MA152WK-X	SI DIODE		
	IC651	LC75823W	IC		
	JS601	QSW0863-001	JOG SHUTTLE SW		
	PL601	QLL0033-003	LAMP	BLUE CAP	
	PL603	QLL0033-003	LAMP	BLUE CAP	
	R 601	NRSA02J-561X	MG RESISTOR		
	R 602	NRSA02J-821X	MG RESISTOR		
	R 603	NRSA02J-122X	MG RESISTOR		
	R 604	NRSA02J-182X	MG RESISTOR		
	R 605	NRSA02J-272X	MG RESISTOR		
	R 606	NRSA02J-561X	MG RESISTOR		
	R 607	NRSA02J-821X	MG RESISTOR		
	R 608	NRSA02J-122X	MG RESISTOR		
	R 609	NRSA02J-182X	MG RESISTOR		
	R 610	NRSA02J-272X	MG RESISTOR		
	R 611	NRSA02J-392X	MG RESISTOR		
	R 612	NRSA02J-103X	MG RESISTOR		
	R 613	NRSA02J-561X	MG RESISTOR		
	R 614	NRSA02J-821X	MG RESISTOR		
	R 615	NRSA02J-122X	MG RESISTOR		
	R 616	NRSA02J-182X	MG RESISTOR		
	R 617	NRSA02J-272X	MG RESISTOR		
	R 631	NRSA02J-821X	MG RESISTOR		
	R 632	NRSA02J-391X	MG RESISTOR		
	R 634	NRSA02J-221X	MG RESISTOR		
	R 635	NRSA02J-471X	MG RESISTOR		
	R 636	NRSA02J-471X	MG RESISTOR		
	R 637	NRSA02J-471X	MG RESISTOR		
	R 638	NRSA02J-221X	MG RESISTOR		
	R 639	NRSA02J-221X	MG RESISTOR		
	R 640	NRSA02J-471X	MG RESISTOR	FOR KS-FX550	
	R 651	NRSA02J-152X	MG RESISTOR		
	R 652	NRSA02J-473X	MG RESISTOR		
	R 653	NRSA02J-184X	MG RESISTOR		
	R 654	NRSA02J-103X	MG RESISTOR		
	R 655	NRSA02J-103X	MG RESISTOR		
	R 656	NRSA02J-103X	MG RESISTOR		
	R 663	NRSA02J-101X	MG RESISTOR		
	S 601	NSW0066-001X	TACT SWITCH		
	S 602	NSW0066-001X	TACT SWITCH		
	S 603	NSW0066-001X	TACT SWITCH		

⚠	Item	Parts number	Parts name	Remarks	Area
	S 604	NSW0066-001X	TACT SWITCH		
	S 605	NSW0066-001X	TACT SWITCH		
	S 606	NSW0066-001X	TACT SWITCH		
	S 607	NSW0066-001X	TACT SWITCH		
	S 608	NSW0066-001X	TACT SWITCH		
	S 609	NSW0066-001X	TACT SWITCH		
	S 610	NSW0066-001X	TACT SWITCH		
	S 611	NSW0066-001X	TACT SWITCH		
	S 612	NSW0066-001X	TACT SWITCH		
	S 613	NSW0066-001X	TACT SWITCH		
	S 614	NSW0066-001X	TACT SWITCH		
	S 615	NSW0066-001X	TACT SWITCH		
	S 616	NSW0066-001X	TACT SWITCH		
	S 617	NSW0066-001X	TACT SWITCH		
	S 618	NSW0066-001X	TACT SWITCH		
	S 619	NSW0066-001X	TACT SWITCH		
	S 620	NSW0066-001X	TACT SWITCH		

KS-FX650R
KS-F550R

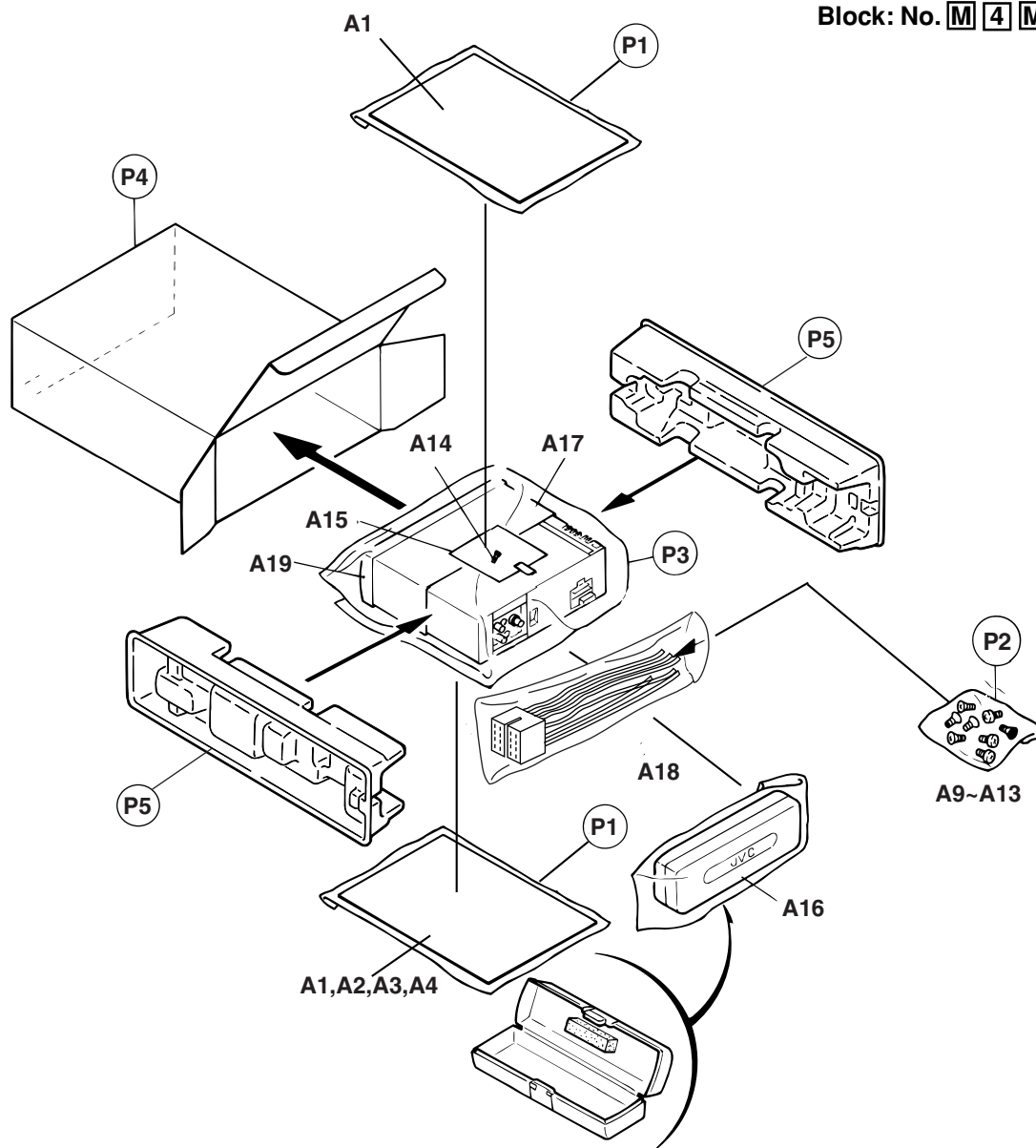
■ Mecha control board Block No. 02

⚠	Item	Parts number	Parts name	Remarks	Area
	C 401	NDC21HJ-101X	C CAPACITOR		
	C 402	NDC21HJ-101X	C CAPACITOR		
	C 403	NDC21HJ-101X	C CAPACITOR		
	C 404	NDC21HJ-101X	C CAPACITOR		
	C 405	NDC21HJ-101X	C CAPACITOR		
	C 406	NDC21HJ-101X	C CAPACITOR		
	C 407	NDC21HJ-101X	C CAPACITOR		
	C 408	NDC21HJ-101X	C CAPACITOR		
	C 409	QERF1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 410	QFV61HJ-153Z	TF CAPACITOR	.015MF 5% 50V	
	C 411	QFV61HJ-153Z	TF CAPACITOR	.015MF 5% 50V	
	C 412	NCB21EK-104X	C CAPACITOR		
	C 413	NCB21EK-104X	C CAPACITOR		
	C 414	QERF1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 418	NDC21HJ-221X	C CAPACITOR		
	C 419	QERF1HM-474Z	E CAPACITOR	.47MF 20% 50V	
	C 421	NCB21HK-103X	C CAPACITOR		
	C 422	NCB21EK-104X	C CAPACITOR		
	C 423	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C 424	NCB21EK-104X	C CAPACITOR		
	C 425	NCB21HK-103X	C CAPACITOR		
	CN40	QGB1214K1-18S	CONNECTOR		
	CN40	VMP3501-001	CONNECTOR		
	CN40	QGF1219F1-10S	CONNECTOR		
	D 401	MA3047/H/-X			
	D 402	DSK10C-T1	DIODE		
	IC401	CXA2559Q	IC		
	IC402	LB1641	IC		
	Q 402	DTC114EKA-X	TR		
	Q 403	2SB1322/RS/-T	TRANSISTOR		
	R 401	NRS181J-391X	MG RESISTOR		
	R 402	NRSA02J-104X	MG RESISTOR		
	R 403	NRSA02J-104X	MG RESISTOR		
	R 404	NRSA02J-104X	MG RESISTOR		
	R 405	NRSA02J-104X	MG RESISTOR		
	R 406	NRSA02J-181X	MG RESISTOR		
	R 407	NRSA02J-181X	MG RESISTOR		
	R 408	NRSA02J-123X	MG RESISTOR		
	R 409	NRSA02J-243X	MG RESISTOR		
	R 410	NRSA02J-243X	MG RESISTOR		
	R 411	NRSA02J-123X	MG RESISTOR		
	R 412	NRSA02J-101X	MG RESISTOR		
	R 413	NRSA02J-183X	MG RESISTOR		
	R 414	NRSA02J-392X	MG RESISTOR		
	R 415	NRSA02J-223X	MG RESISTOR		
	R 416	NRSA02J-914X	MG RESISTOR		
	R 417	NRSA02J-103X	MG RESISTOR		
	R 418	NRSA02J-153X	MG RESISTOR		
	R 422	NRSA02J-332X	MG RESISTOR		
	R 423	NRS181J-473X	MG RESISTOR		
	R 424	NRSA02J-332X	MG RESISTOR		
	R 425	NRS181J-330X	MG RESISTOR		
	R 426	QUY150-050Y	BUS WIRE		

Packing materials and accessories parts list

Block: No. **M 3 M M**

Block: No. **M 4 M M**



SCREW KIT 1



A13 Hook



A10 Mount Bolt



A11 Lock Nut



A9 Plug Nut



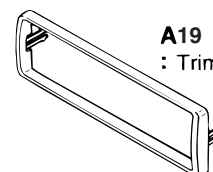
A12 Washer

SCREW KIT 2



A14
Screw

A15
Sheet



A19
: Trim Plate

■ Packing parts list

Block No. M3MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	QPA01703505P	POLY BAG	2	INST.BOOK	
	P 2	QPA00801205	POLY BAG	1		
	P 3	VPE3005-064	POLY BAG	1		
	P 4	FSPE3004-059	CARTON	1	KS-FX650R	
		FSPE3004-080	CARTON	1	KS-F550R	
	P 5	FSPH1018-002	PAPER CUSHION	2	LEFT/RIGHT SIDE	

■ Accessories list

Block No. M4MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	FSUN3109-321	INST.BOOK	1	FIN,ITA,SPA,SWE	
		FSUN3109-311	INST.BOOK	1	ENG,FRE,GER	
	A 2	FSUN3109-T481	INSTALL MANUAL	1	SWE,FIN	
		FSUN3109-T451	INSTALL MANUAL	1	DUT,SPA,ITA	
		FSUN3109-T211	INSTALL MANUAL	1	ENG,FRA,GER	
	A 3	BT-54013-1	WARRANTY CARD	1		
	A 4	LV40978-001A	ISO CAUTION SHEET	1		
	A 9	VKZ4027-202	PLUG NUT	1		
	A 10	VKH4871-001SS	MOUNT BOLT	1		
	A 11	VKZ4328-001	LOCK NUT	1	FOR M5	
	A 12	WNS5000Z	WASHER	1		
	A 13	FSKL4010-002	HOOK	2		
	A 14	VKZ4777-001	MINI SCREW	1	THEFT PREVENTIO	
	A 15	FSYA4001-001	SHEET	1		
	A 16	FSJB3001-30A	HARD CASE	1		
	A 17	FSKM2004-202	MOUNTING SLEEVE	1		
	A 18	QAM0175-001	POWER CODE	1		
	A 19	FSJD2034-001	TRIM PLATE	1		
	KIT 1	KDGS717K-SCREW1	SCREW PARTS KIT	1	A9-A13	
	KIT 2	KDGS727J-SCREW2	SCREW PARTS KIT	1	A14,A15	



VICTOR COMPANY OF JAPAN, LIMITED

MOBILE ELECTRONICS DIVISION,10-1,1chome,Ohwatari-machi,Maebashi-city371-8543,Japan