Pioneer sound.vision.soul

Service Manual

ORDER NO.
RRV2879

STEREO CD CASSETTE DECK RECEIVER

XR-A390

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	The voltage can be converted by the following method.
XR-A390	DFXJ	AC110-127V/220-230V/240V	With the voltage selector

- **This service manual should be used together with the following manual(s):**

Model No.	Order No.	Remarks
XR-A4800/MYXJ	RRV2328	

- **For SPECIFICATIONS and PANEL FACILITIES, refer to the operating instructions.**

CONTENTS

1. SAFETY INFORMATION ····· 2
2. CONTRAST OF MISCELLANEOUS PARTS ····· 3
3. SCHEMATIC DIAGRAM ····· 13
4. PCB CONNECTION DIAGRAM ····· 19
5. ADJUSTMENT ····· 20

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936

T – ZZK JAN. 2004 Printed in Japan

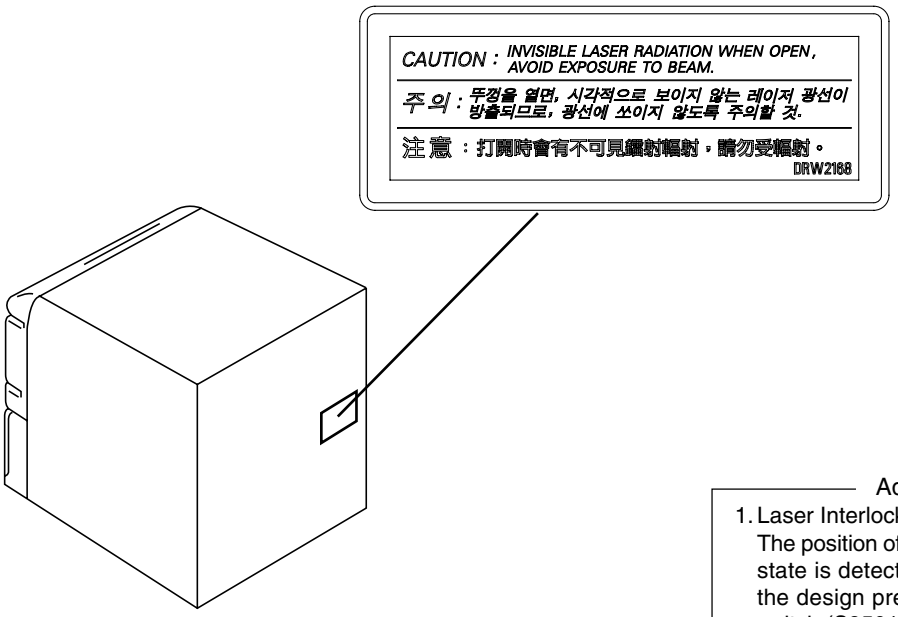
1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

LABEL CHECK

IMPORTANT
THIS PIONEER APPARATUS CONTAINS LASER OF CLASS 1.
SERVICING OPERATION OF THE APPARATUS SHOULD BE DONE BY A SPECIALLY INSTRUCTED PERSON.

LASER DIODE CHARACTERISTICS
MAXIMUM OUTPUT POWER: 5 mW
WAVELENGTH: 780 - 785 nm



Additional Laser Caution

1. Laser Interlock Mechanism
   The position of the switch (S9501) for detecting loading state is detected by the system microprocessor, and the design prevents laser diode oscillation when the switch (S9501) is pressed physically.
   Thus, the interlock will no longer function if the switch (S9501) is released physically and deliberatery.
   The interlock also does not function in the test mode *. Laser diode oscillation will continue, if pin 1 of CXA1821M (IC8101) on the CD ASSY mounted on the $M Loading Mechanism assembly is connected to GND, or else the terminals of Q8101 are shorted to each other (fault condition).

2. When the cover is opened, close viewing of the objective lens with the naked eye will cause exposure to a Class 1 laser beam.

* : Refer to page 61 on the service manual RRV2328.

2. CONTRAST OF MISCELLANEOUS PARTS

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *Reference Nos. indicate the pages and Nos. in the service manual for the base model.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω → 56 × 10¹ → 561 ..... RD1/4PU 5 6 1 J
47k Ω → 47 × 10³ → 473 ..... RD1/4PU 4 7 3 J
0.5 Ω → R50 ..... RN2H R 5 0 K
1 Ω → 1R0 ..... RS1P 1 R 0 K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω → 562 × 10¹ → 5621 ..... RN1/4PC 5 6 2 1 F

■ CONTRAST TABLE

XR-A390/DFXJ and XR-A4800/MYXJ are constructed the same except for the following :

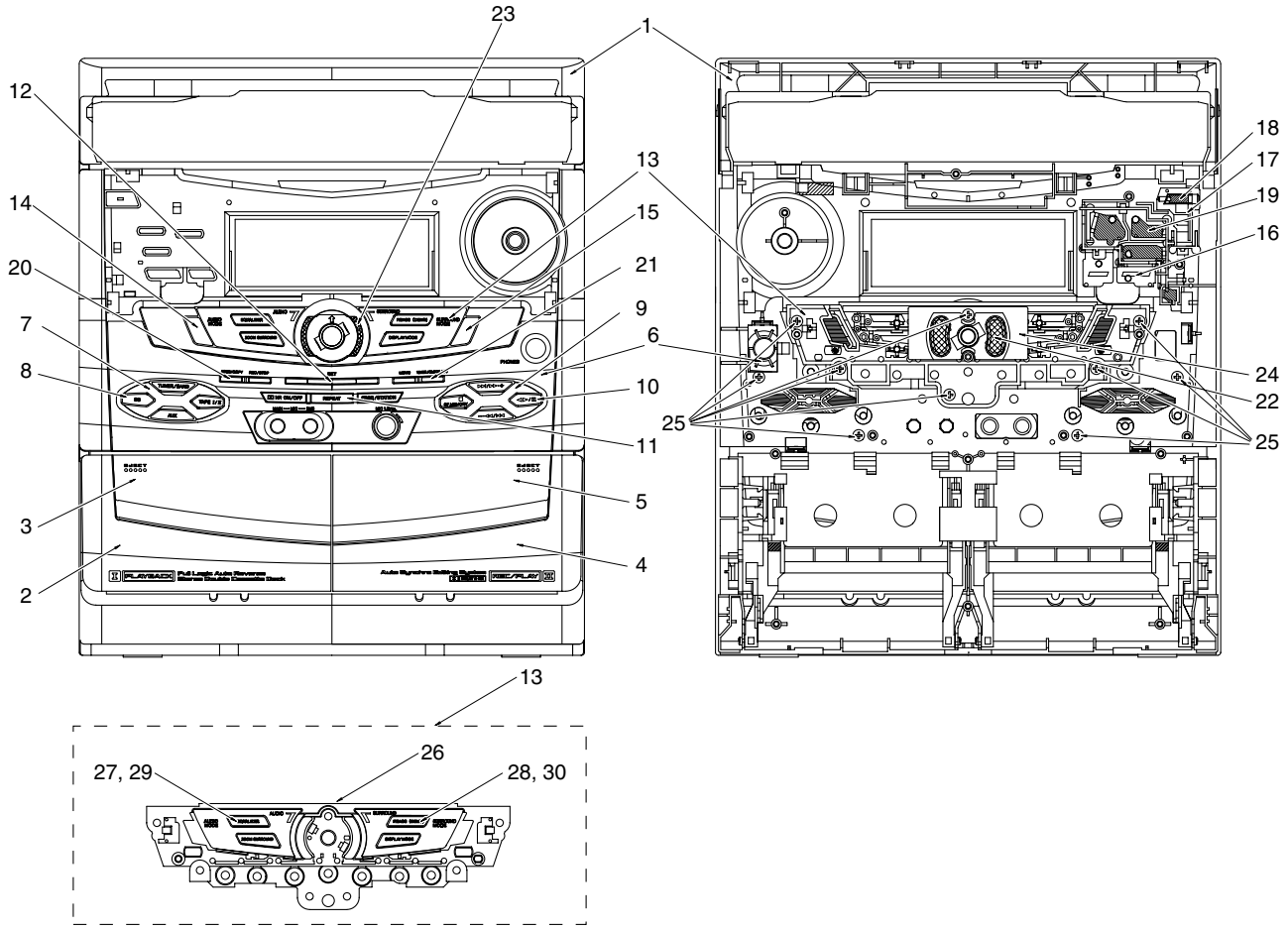
Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			XR-A4800 /MYXJ	XR-A390 /DFXJ	
		PCB ASSEMBLIES			
		MAIN ASSY	XWM3152	XWM3151	
P5- 1		└ AF ASSY	XWZ3297	XWZ3288	
		COMPLEX ASSY	XWM3158	AWM7606	
P5- 3		├ PRIMARY ASSY	XWZ3299	XWZ3291	
P7- 1		└ DISPLAY ASSY	XWZ3298	AWU7791	
P5- 4		FM/AM TUNER Module	AXQ7068	AXQ7065	
		PACKING SECTION			
P3- 1	⚠	Power Cord	ADG1154	ADG1158	
P3- 2		FM Antenna	ADH7005	ADH7004	
P3- 6	NSP	Dry Cell Battery (R6P, AA)	VEM-013	Not used	
P3- 8		Front Pad	XHA3018	XHA3028	
P3- 9		Rear Pad	XHA3019	XHA3029	
P3-10		Packing Case	XHD3142	AHD8277	
P3-11	NSP	Warranty Card	ARY7022	Not used	
P3-13		Operating Instructions (English/French)	XRE3030	Not used	
P3-14		Operating Instructions (Italian/Dutch/German)	XRC3020	Not used	
P3-15		Operating Instructions (Portuguese/Swedish/Spanish)	XRC3021	Not used	
		Operating Instructions (English/Chinese/Spanish)	Not used	ARE7343	
		Caution Sheet	XRH3004	Not used	
		EXTERIOR SECTION			
P5- 6	⚠	Ceramic Capacitor (C1)	CKPUYB102K50	Not used	
P5-15		Rear Panel	XNC3053	ANC8288	
P5-17		Earth Plate	XNG3015	Not used	
P5-26		Tray Cap	XAK3156	XAK3236	
		Tray Panel CD	Not used	XAK3269	For Tray Cap
P5-30		Caution Label HE	PRW1233	Not used	
P5-31		Caution Label	VRW1094	DRW2168	
P5-36	NSP	Getter	XAX3163	XAX3263	
P5-44		Barrier	XEC3013	XEC3027	
		Rear Sheet	AED7037	Not used	
	⚠	Fuse (FU2, FU3 : T2A)	Not used	AEK1057	*1

Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			XR-A4800 /MYXJ	XR-A390 /DFXJ	
		FRONT PANEL SECTION			
P7- 3		Deck Mechanism Unit	XYM3012	XYM3011	*2
P7- 5		Flexible Cable 15P	XDD3050	Not used	
P7- 5		Flexible Cable 13P	Not used	XDD3040	
P7-18		Volume Knob	XAA3013	XAA3022	
P7-21		FUNC Button L	XAD3076	XAD3116	No.8
		FUNC Cap L	Not used	XAK3247	No.7
P7-22		FUNC Button R	XAD3077	XAD3117	No.10
		FUNC Cap R	Not used	XAK3248	No.9
P7-23		FUNC Frame L	XAD3052	Not used	
P7-24		FUNC Frame R	XAD3053	Not used	
P7-25		CD ENT Button	XAD3055	XAD3109	No.12
P7-26		Display Panel	XAK3125	XAK3262	
P7-27		EQ Panel	XAK3149	Not used	
		SC Panel	Not used	XAK3245	No.26
		SC Panel Assy	Not used	XXG3089	No.13
P7-28		JOG Lens	XAK3152	XAK3243	No.23
P7-29		V Lens	XAK3153	XAK3237	
P7-33		FL Cover	XAK3163	XAK3239	
P7-34		Cover Sheet L	XAK3184	Not used	
P7-35		Cover Sheet R	XAK3185	Not used	
		LED Barrier	Not used	XEC3022	No.24
P7-36		Power Button	XAD3043	XAD3102	No.17
P7-37		CD Button	XAD3045	XAD3104	No.19
P7-38		SC Button	XAD3046	Not used	
		SC Button L	Not used	XAD3105	No.29
		SC Cap L	Not used	XAK3241	No.27
		SC Button R	Not used	XAD3106	No.30
		SC Cap R	Not used	XAK3267	No.28
		ASES Button	Not used	XAD3114	No.20
		Timer Button	Not used	XAD3115	No.21
P7-39		SC Button L	XAD3047	Not used	
		Audio Button	Not used	XAD3107	No.14
P7-40		SC Button R	XAD3048	Not used	
		Visual Button	Not used	XAD3108	No.15
P7-41		DOLBY Button	XAD3054	XAD3113	No.11
P7-42		Sub Panel	XAK3196	XAK3255	No.6
P7-43		Standby Lens	XAK3151	XAK3240	No.18
P7-44		Deck Lens L	XAK3159	XAK3249	No.3
P7-45		Deck Lens R	XAK3160	XAK3250	No.5
P7-46		JOG Conductor	XAK3165	XAK3244	No.22
P7-47		Deck Door_L	XAN3021	XAN3041	No.2
P7-48		Deck Door_R	XAN3025	XAN3042	No.4
P7-49		Front Panel	XMB3026	XMB3056	No.1
		O/C Button	Not used	XAD3103	No.16
P7-52		Spacer	XEB3012	Not used	
P7-53		Spacer	XEB3013	Not used	
P7-56		Connector Assy 3P	XDE3037	XDE3036	
		Cushion Spacer	XEB3015	Not used	
		Cushion Spacer	XEB3016	Not used	
		Cushion Spacer	XEB3017	Not used	
		Spacer	XEC3014	Not used	
		Spacer	XEC3019	Not used	

Notes : For PCB ASSEMBLIES, Refer to “CONTRAST OF PCB ASSEMBLIES”, “3. SCHEMATIC DIAGRAM” and “4. PCB CONNECTION DIAGRAM”.
The numbers in the remarks column correspond to the numbers on the “ FRONT PANEL ASSY ”.
*1 Refer to “3. SCHEMATIC DIAGRAM”.
*2 Refer to “EXPLODED VIEWS”.

■ EXPLODED VIEWS

● FRONT PANEL ASSY



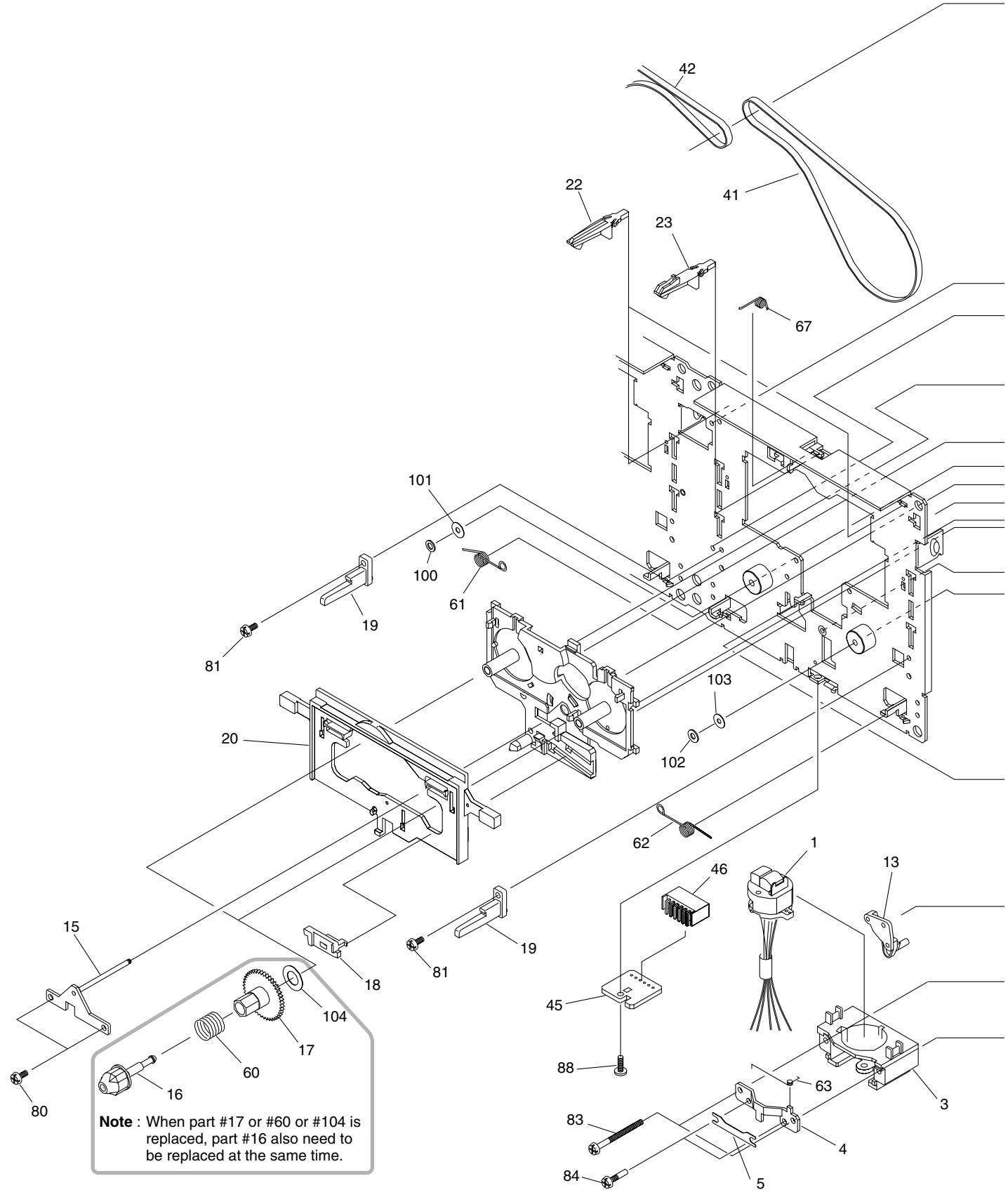
● FRONT PANEL ASSY PARTS LIST

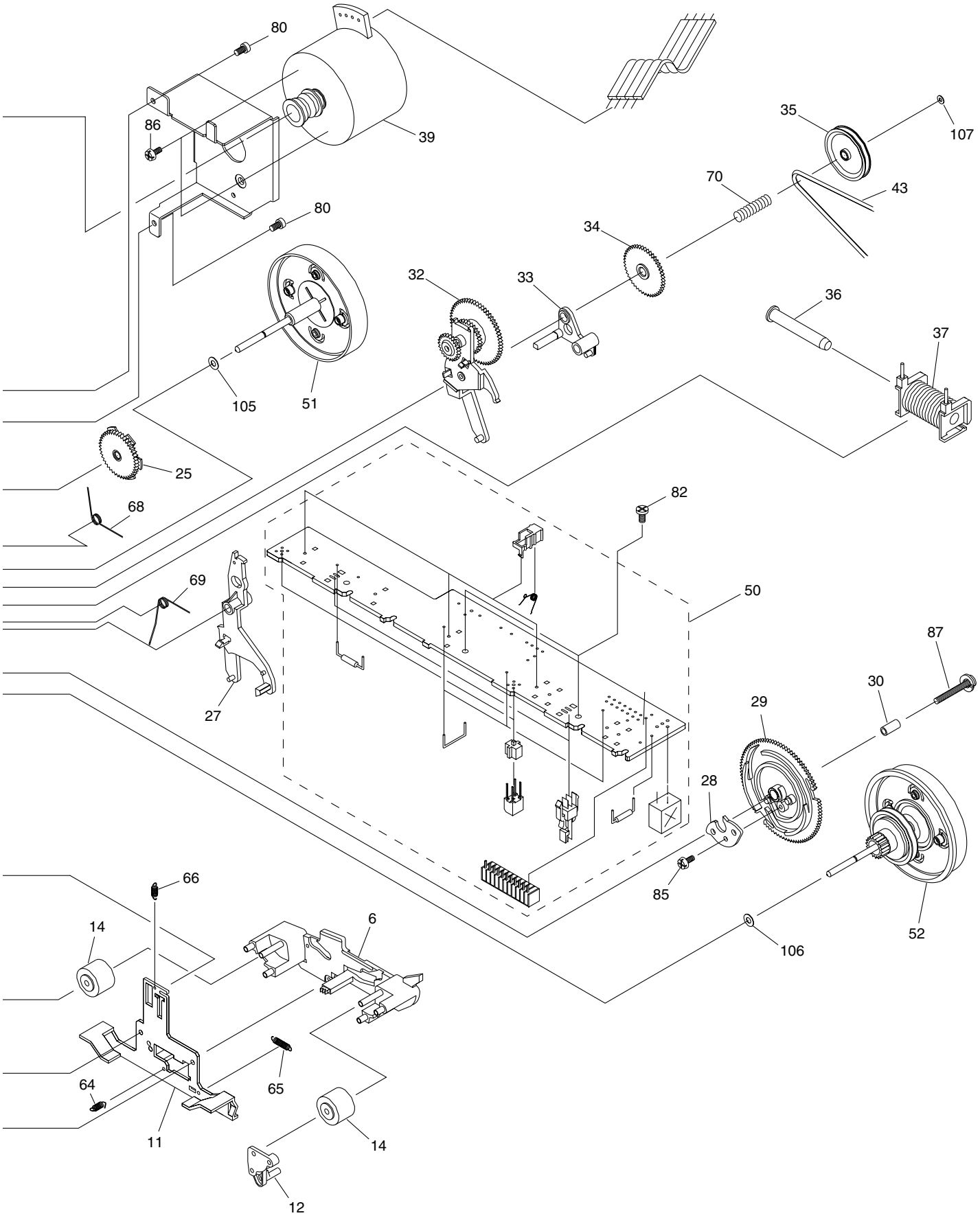
Mark	No.	Description	Part No.
	1	Front Panel	XMB3056
	2	Deck Door_L	XAN3041
	3	Deck Lens L	XAK3249
	4	Deck Door_R	XAN3042
	5	Deck Lens R	XAK3250
	6	Sub Panel	XAK3255
	7	FUNC Cap L	XAK3247
	8	FUNC Button L	XAD3116
	9	FUNC Cap R	XAK3248
	10	FUNC Button R	XAD3117
	11	DOLBY Button	XAD3113
	12	CD ENT Button	XAD3109
	13	SC Panel Assy	XXG3089
	14	Audio Button	XAD3107
	15	Visual Button	XAD3108

Mark	No.	Description	Part No.
	16	O/C Button	XAD3103
	17	Power Button	XAD3102
	18	Standby Lens	XAK3240
	19	CD Button	XAD3104
	20	ASES Button	XAD3114
	21	Timer Button	XAD3115
	22	JOG Conductor	XAK3244
	23	JOG Lens	XAK3243
	24	LED Barrier	XEC3022
	25	Screw	BPZ30P080FMC
	26	SC Panel	XAK3245
	27	SC Cap L	XAK3241
	28	SC Cap R	XAK3267
	29	SC Button L	XAD3105
	30	SC Button R	XAD3106

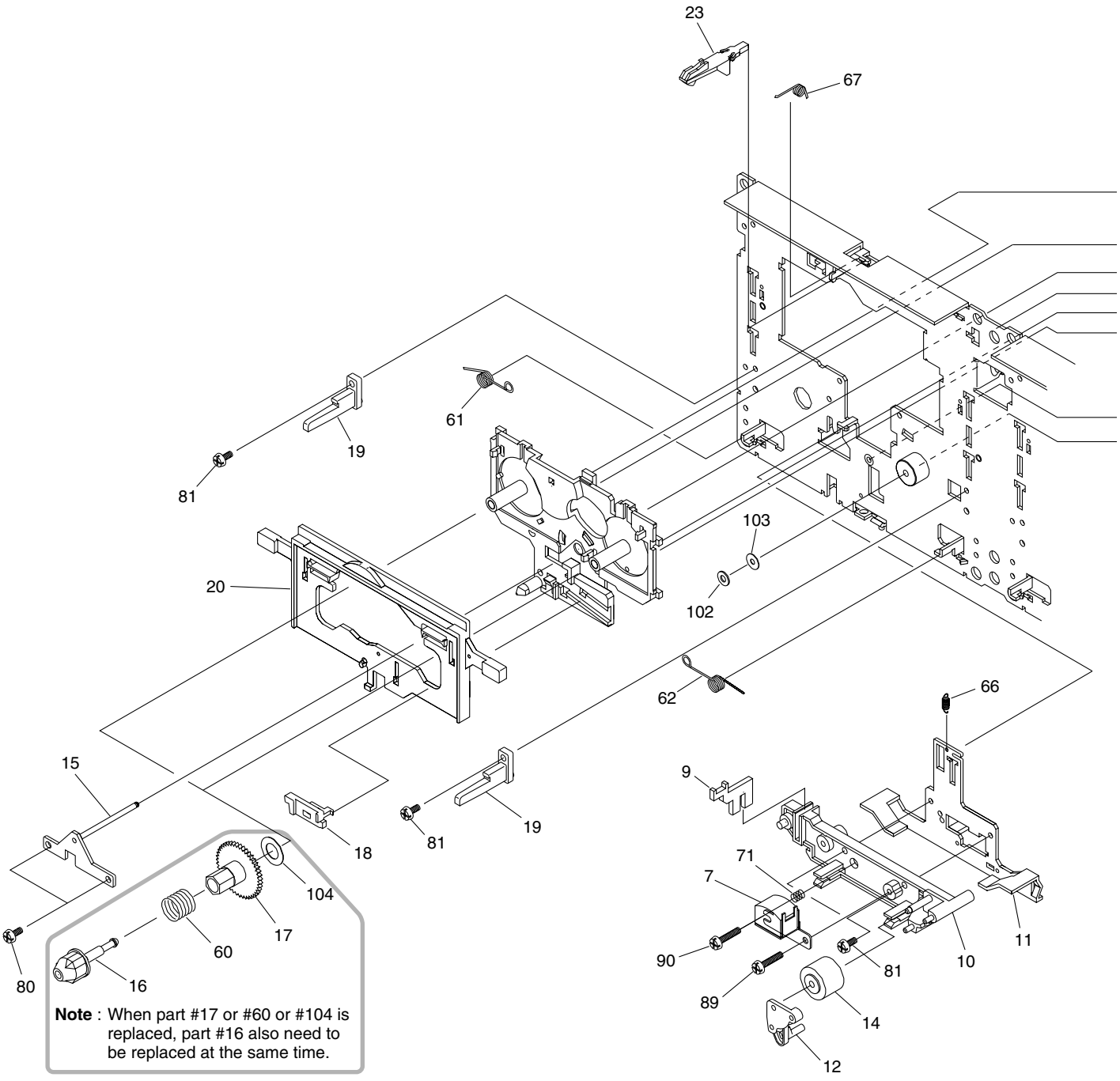
● DECK MECHANISM UNIT SECTION (XYM3011)

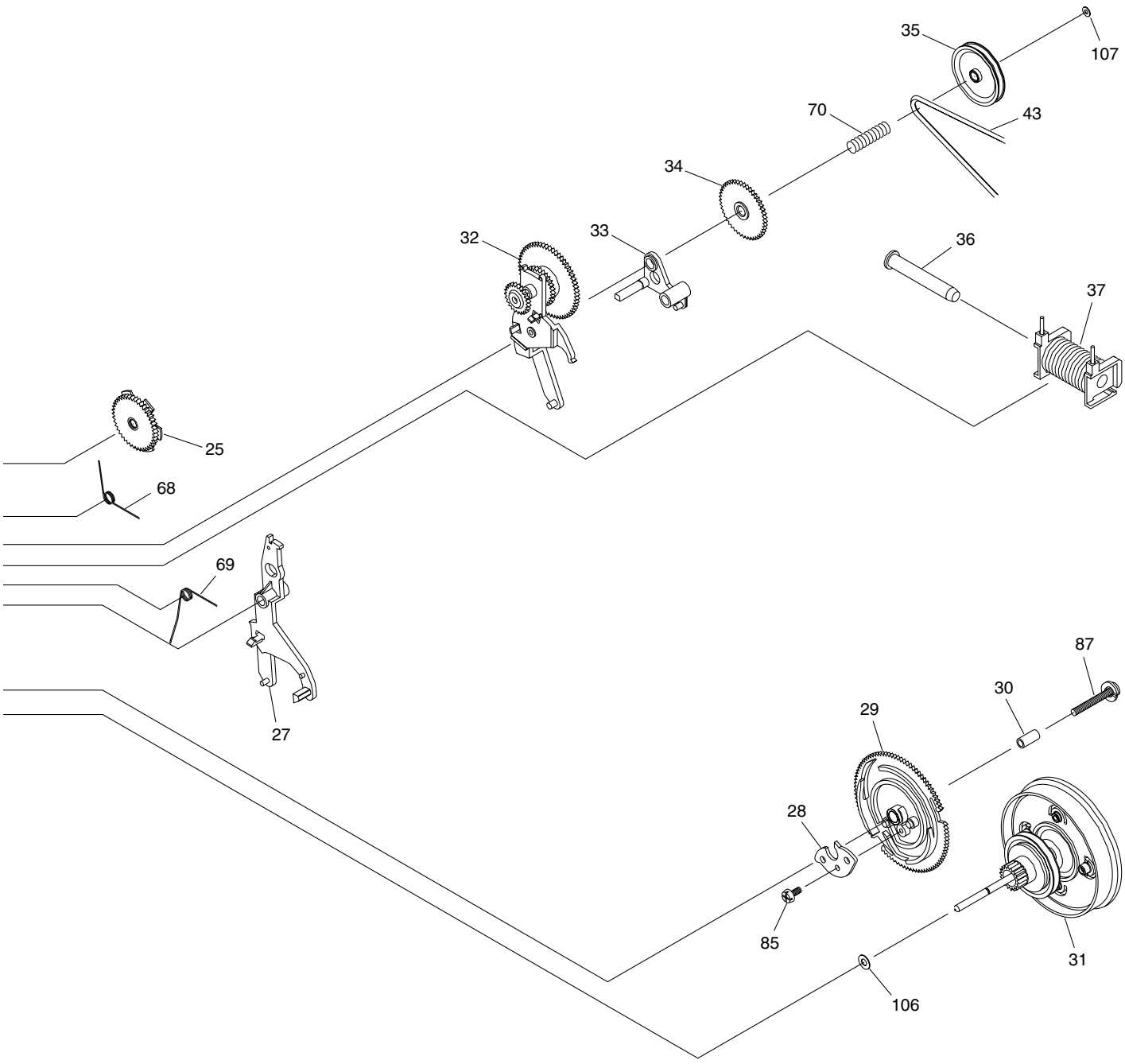
• DECK MECHANISM UNIT (1/2)




80
86
39
80
105
51
32
33
34
70
35
107
43
36
37
25
68
82
50
69
27
87
30
29
28
85
52
106
66
14
6
64
65
11
14
12

• DECK MECHANISM UNIT (2/2)




35
107
70
43
34
32
33
36
37
25
68
69
27
87
30
29
28
85
31
106

• DECK MECHANISM UNIT PARTS LIST

Mark	No.	Description	Part No.
	1	Assy'y HD Holder	50-093-4373
	3	Frame HD	50-219-3024
	4	Plate AZ	50-119-4046
	5	Spring AZ	50-160-4108
	6	Lever HD	50-259-3342
	7	R/P Head	TC881CB067B
	9	Guide Tape	50-219-4038
	10	Plate HD	50-093-3036
	11	Chassis HD	50-112-3045
	12	Cap Pinch R	50-219-4033
	13	Cap Pinch L	50-219-4034
	14	Roller Pinch	50-027-41054
	15	Ass'y Plate D	50-219-4311
	16	Cap Reel	50-228-4020
	17	Gear Reel	50-222-4006
	18	Lever ST	50-259-4041
	19	Guide C	50-219-4014
	20	Lever Brake	50-259-3251
	22	Arm SW	50-239-4027
	23	Arm CS	50-239-4026
	25	Ass'y Cover	50-093-4063
	27	Arm Trigger	50-268-3016
	28	Arm Cam	50-139-4292
	29	Gear Cam	50-221-3009
	30	Coller	03-300-4455
	31	Ass'y Flywheel RA	50-093-3360
	32	Ass'y Clutch	50-093-4069
	33	Arm UD A	50-239-4017
	34	Gear UD	50-222-4007
	35	Pulley D	50-223-4254
	36	Plunger	03-300-4442
	37	Ass'y Bobbin	50-093-4125
	39	Ass'y Motor	50-093-4316
	41	Belt BR	02-084-4205
	42	Belt AF	02-084-4202
	43	Belt FR	02-083-4188
	45	PCB HD	50-070-4057
	46	Housing	S5BPHKS
	50	Ass'y PCB	50-093-4057
	51	Ass'y Flywheel L	50-093-3315
	52	Ass'y Flywheel RB	50-093-3361

Mark	No.	Description	Part No.
	60	Spring	01-081-4601
	61	Spring	01-082-4652
	62	Spring	01-082-4651
	63	Spring	01-082-4650
	64	Spring	01-080-4649
	65	Spring	01-080-4607
	66	Spring	01-080-4635
	67	Spring	01-082-4654
	68	Spring	01-082-4598
	69	Spring	01-082-4597
	70	Spring	01-081-4657
	71	Spring	01-081-4605
	80	Screw	GSE10A2003
	81	Screw	GSE20A2005
	82	Screw	GSE10A2004
	83	Screw	GSD10A2018
	84	Screw	03-300-4056
	85	Screw	GSL10A1704
	86	Screw	GSP10A2603
	87	Screw	GSP11A2012
	88	Screw	GSE20A2004
	89	Screw	GSL20A2005
	90	Screw	03-300-4127
	100	Washer	GWN21X040040
	101	Washer	GWM19X055035S
	102	Washer	GWM19S035035
	103	Washer	GWM17S050035S
	104	Washer	GWM48X075010
	105	Washer	GWP23X040020
	106	Washer	GWP21X045020
	107	Washer	GWP12X030040S

■ CONTRAST OF PCB ASSEMBLIES

FF AF ASSY

XWZ3288 and XWZ3297 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3297	XWZ3288	
	IC5751 (RDS Decoder IC)	BU1923F	Not used	
	Q5751	2SA1037K	Not used	
	Q5752	DTC124EK	Not used	
	L3333, L3334 (AF Choke Coil)	ATH-133	Not used	
	L3991 (Axial Indactor)	Not used	XTL3001	
	L5751 (Axial Indactor)	XTL3002	Not used	
	C1997, C3329, C3330	CKSRYB103K50	Not used	
	C2327–C2330, C3321, C3322, C3852, C3854	CCSRCH470J50	Not used	
	C3001, C3002, C3858	CCSRCH101J50	Not used	
	C3023, C3024	CFTLA564J50	CFTLA474J50	
	C3025, C3026	CKSRYB104K16	CKSRYB683K16	
	C3027, C3028	CFTLA334J50	CFTLA154J50	
	C3029, C3030	CKSRYB563K16	CKSRYB273K16	
	C3043, C3044, C3082	CEATR47M50	CEAT2R2M50	
	C3051, C3052, C3853, C3855	CKSRYB472K50	Not used	
	C3073–C3076	CKSRYB122K50	Not used	
	C3081	CEAT4R7M50	CEAT100M50	
	C3091	CEAT2R2M50	CEAT100M50	
	C3319, C3320	CCSRCH6R0D50	CCSRCJ3R0C50	
	C3335–C3338	CKSRYF104Z25	Not used	
	C3345, C3346 (0.01µF)	ACG7021	Not used	
	C3850	CKSRYB473K16	Not used	
	C3994, C3995	CCSRCH681J50	Not used	
	C5751, C5752, C5755	CCSRCH270J50	Not used	
	C5753	CKSRYB103K50	Not used	
	C5754	CEAT330M16	Not used	
	C5756	CCSQCH561J50	Not used	
	C5757	CCSRCH271J50	Not used	
	C5758	CEAT100M50	Not used	
	R3333, R3334	RD1/4LMF101J	RD1/4LMF100J	
	R3335, R3336	RS1/16S100J	Not used	
	R3509	RS1/16S393J	RS1/16S473J	
	R3515–R3518	RS1/16S152J	RS1/16S122J	
	R5751	RS1/16S223J	Not used	
	R5752	RS1/16S222J	Not used	
	R5753	RS1/16S101J	Not used	
	R5754	RS1/16S102J	Not used	
	X5751 CRYSTAL RESONATOR (4.332MHz)	ASS7004	Not used	

HF PRIMARY ASSY

XWZ3291 and XWZ3299 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3299	XWZ3291	
⚠	S1 VOLTAGE SELECTOR	Not used	XKX3001	
	L1 LINE FILTER	XTF3001	ATF7018	
	H3–H6 FUSE CLIP	Not used	AKR7001	

IF DISPLAY ASSY

AWU7791 and XWZ3298 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3298	AWU7791	
	D5594–D5596	1SS355	Not used	
	D5610, D5611, D5615, D5616, D5904	SLP3118C51H	SLR-343MC(NPQ)	
	D5612, D5614	SLP6118C51H	SLR-343DC(NPQ)	
	D5619, D5620, D5903	SLP9118C51H	SLR-343VC(NPQ)	
	D5902	SLP7118C51H	SLR-343PC(KLM)	
	S5911, S5913, S5915–S5921, S5923–S5929	XSG3001	ASG1051	
	S5931–S5940	XSG3001	ASG1051	
	C3905, C5510, C5811, C5814	CEJA470M16	CEJQ470M16	
	C3915	CCSRCH470J50	Not used	
	C3920, C3921	CCSRCH101J50	Not used	
	C3951, C3952	CKSRYB103K50	Not used	
	R3908	RS1/16S681J	RS1/16S101J	
	R5518	RS1/16S102J	Not used	
	R5702, R5704	Not used	RS1/16S223J	
	CN2901 FFC CONNECTOR	HLEM15R-1	HLEM13R-1	

● PCB PARTS LIST

Mark	No.	Description	Part No.

AF FM/AM TUNER MODULE (AXQ7065)

SEMICONDUCTORS

	IC6201	LA1832ML
	IC6202	LC72131MD
	Q6402	2SC2223
	Q6203	2SC2705
	Q6201,Q6202	2SC2712
	Q6214,Q6403	2SC2714
	Q6404	2SK302
	Q6401	3SK194
	Q6204	DTA124ES
	Q6205	DTC124EK
	D6202	1SS254
	D6401,D6402	1T378A

COILS AND FILTERS

	L6404	FM COIL	ATC1003
	L6401	FM RF COIL	ATC1020
	L6402	FM RF COIL	ATC1021
	F6204	FM CERAMIC FILTER	ATF-107
	F6203	FM CERAMIC FILTER	ATF-119
	F6401	FM BAND PASS FILTER	ATF-155
	F6206	FM CERAMIC DISCLI.	ATF7008
	F6202	AM CERAMIC FILTER	ATF7011
	L6206,L6208,L6403		LAU2R2J

TRANSFORMERS

	T6201	ATB7008
	T6401	ATE7002

CAPACITORS

	C6208	CCSQCH100D50
	C6212,C6274,C6275,C6408	CCSQCH101J50
	C6412	CCSQCH102J50
	C6221,C6222,C6416	CCSQCH150J50
	C6271	CCSQCH200J50
	C6415	CCSQCH330J50
	C6406	CCSQCH331J50
	C6401,C6419	CCSQCH5R0C50
	C6407	CCSQCK1R0C50
	C6410	CCSQCK2R0C50
	C6413	CCSQRH180J50
	C6414	CCSQRH8R0D50
	C6405	CCSQTH150J50
	C6234,C6235	CEAL1R0M50
	C6245	CEAL470M16
	C6224	CEAT100M50
	C6243	CEAT101M16
	C6231	CEAT1R0M50
	C6227	CEAT220M25
	C6214,C6236	CEAT2R2M50
	C6262	CEAT3R3M50
	C6219	CEAT470M10
	C6244	CEAT470M16
	C6249,C6250,C6265,C6266	CEAT4R7M50
	C6258	CEJA470M16
	C6215	CFTLA103J50
	C6211,C6254,C6403,C6417	CKSQYB102K50
	C6201,C6205,C6210,C6237,C6276	CKSQYB103K50
	C6278,C6280,C6281,C6402,C6409	CKSQYB103K50
	C6418	CKSQYB103K50
	C6251,C6252	CKSQYB153K50
	C6203,C6259	CKSQYB223K50
	C6228	CKSQYB472K50
	C6209	CKSQYB473K50
	C6230	CKSQYB821K50
	C6218,C6223,C6255	CKSQYF103Z50
	C6220,C6226,C6242,C6256	CKSQYF223Z50
	C6225	CKSQYF473Z50

RESISTORS

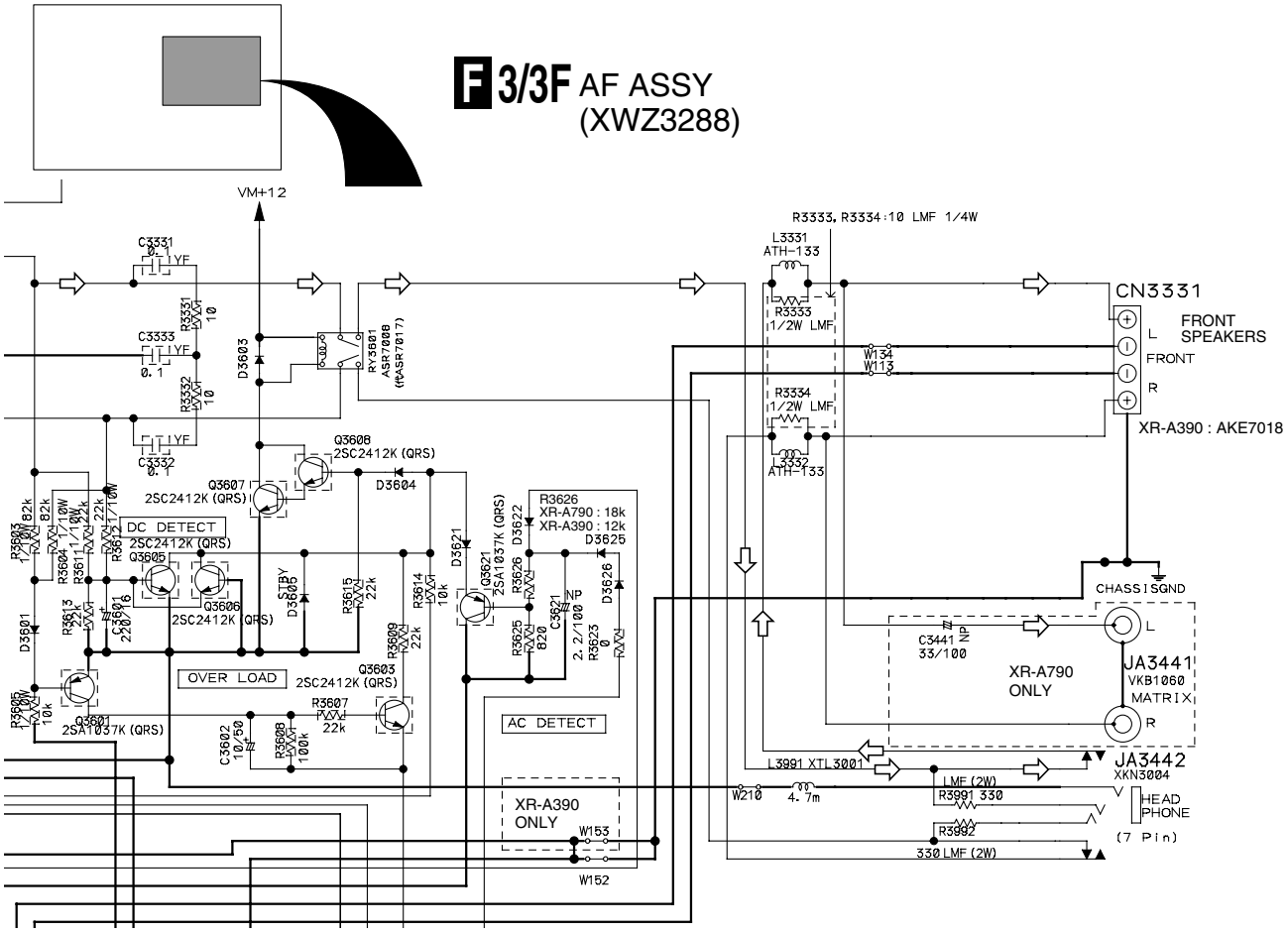
	R6280	RD1/4PU101J
	R6413,R6416,R6418,R6906,R6909	RS1/8S0R0J
	R6401	RS1/8S470J
	VR6201 (10kW)	PCP1029
	Other Resistors	RS1/10S□□□J

OTHERS

BN6202	4P ANTENNA TERMINAL	AKE7051
X6202	CERAMIC RESONATOR (456kHz)	ASS1066
X6201	CRYSTAL RESONATOR (7.2000MHz)	ASS1093
CN6201	14P SOCKET	KP200IA14L
	MW RF TUNING BLOCK	AKX7041

3. SCHEMATIC DIAGRAM

3.1 AF (3/3) ASSY

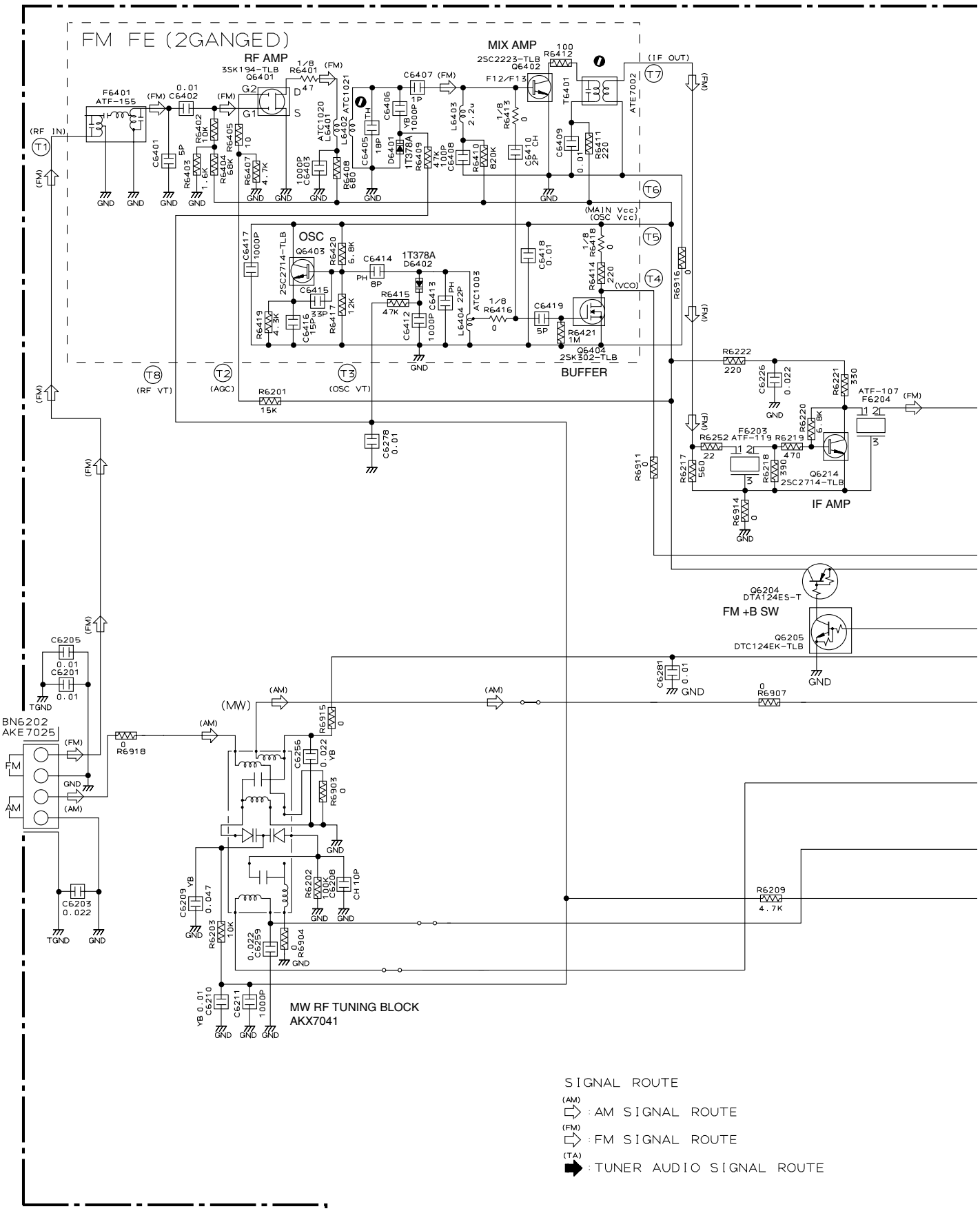


NOTES: • *When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".*

• *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

• ⬭ *: The power supply is shown with the marked box.*

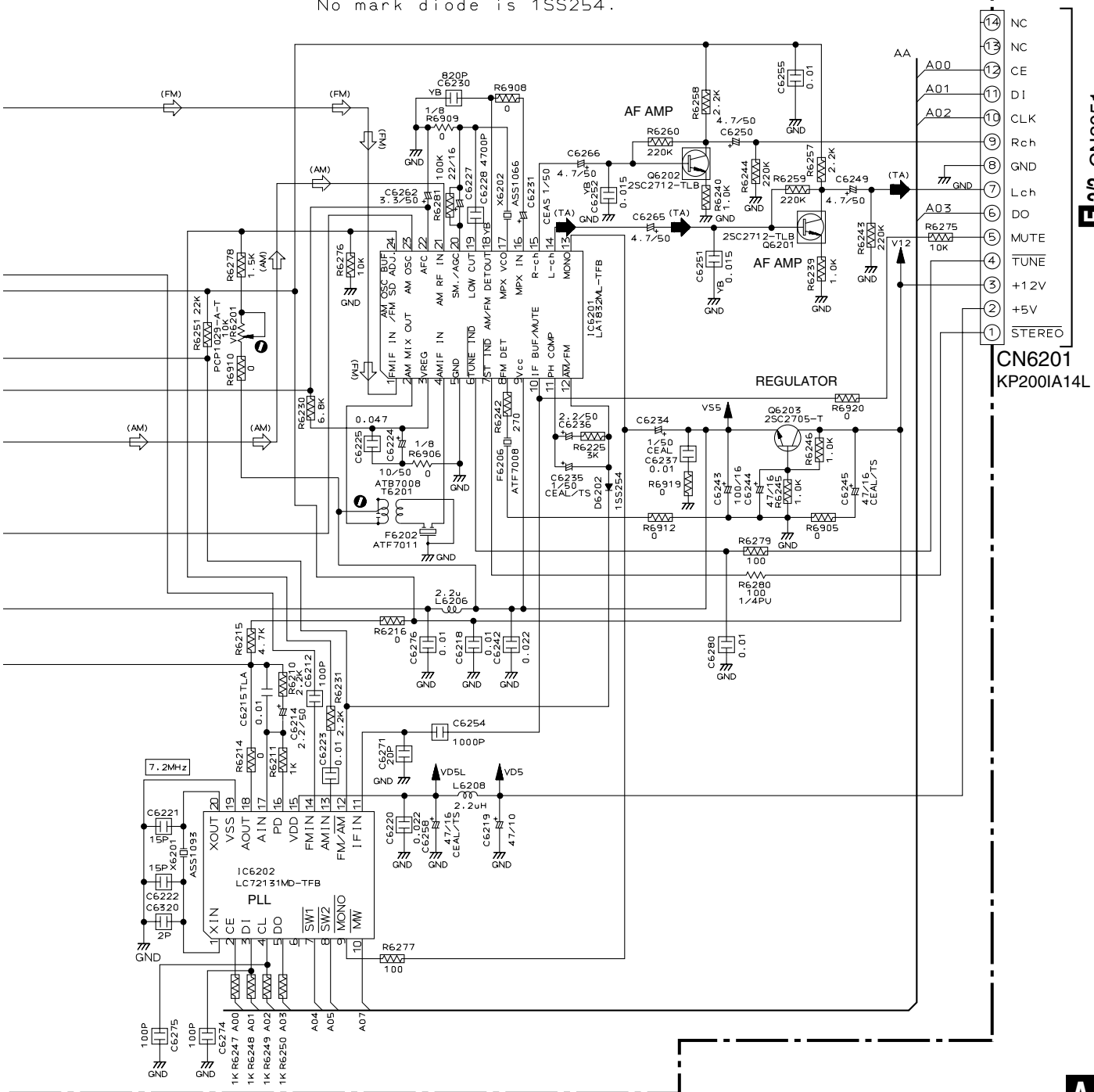
3.2 FM/AM TUNER MODULE



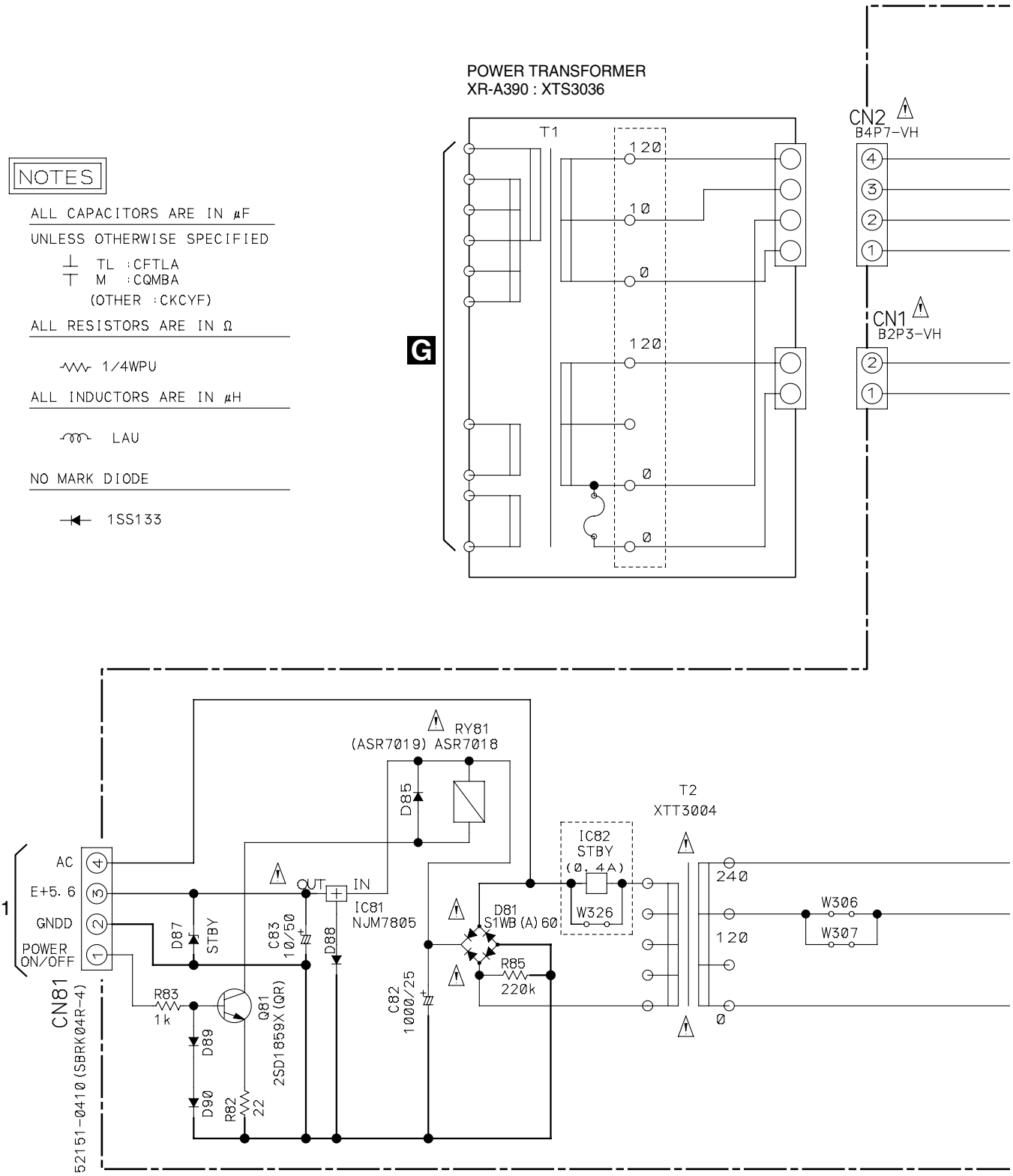
AF FM/AM TUNER MODULE
(AXQ7065)

Notes

1. RESISTORS
   Indicated in Ω, 1/10W±5% Tolerance unless otherwise noted K:KΩ, M:MΩ.
2. CAPACITORS
   Indicated in Capacity(μF)/VOLTAGE(V) unless otherwise noted P:PF.
3. DIODES
   No mark diode is 1SS254.

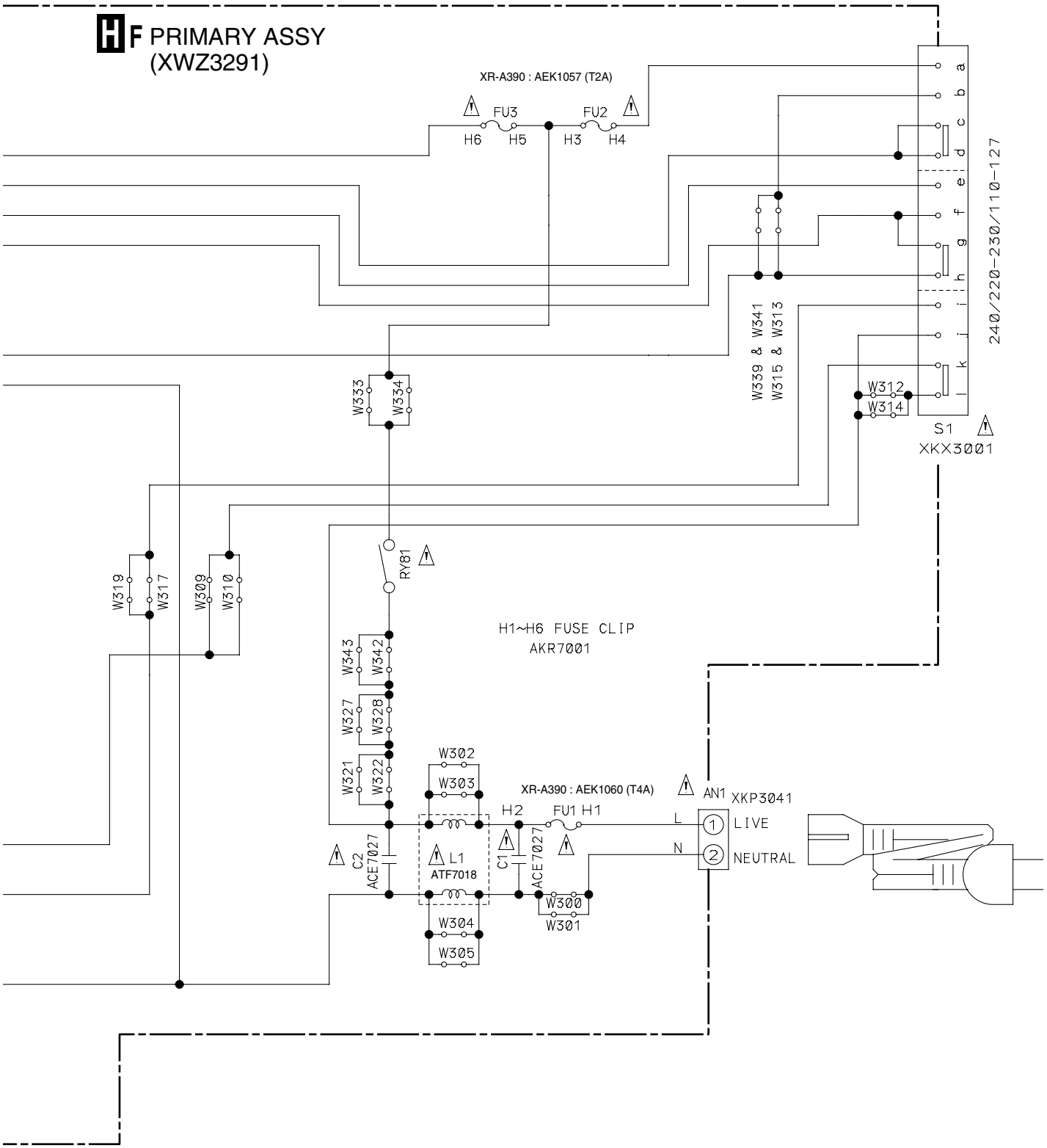


3.3 PRIMARY ASSY



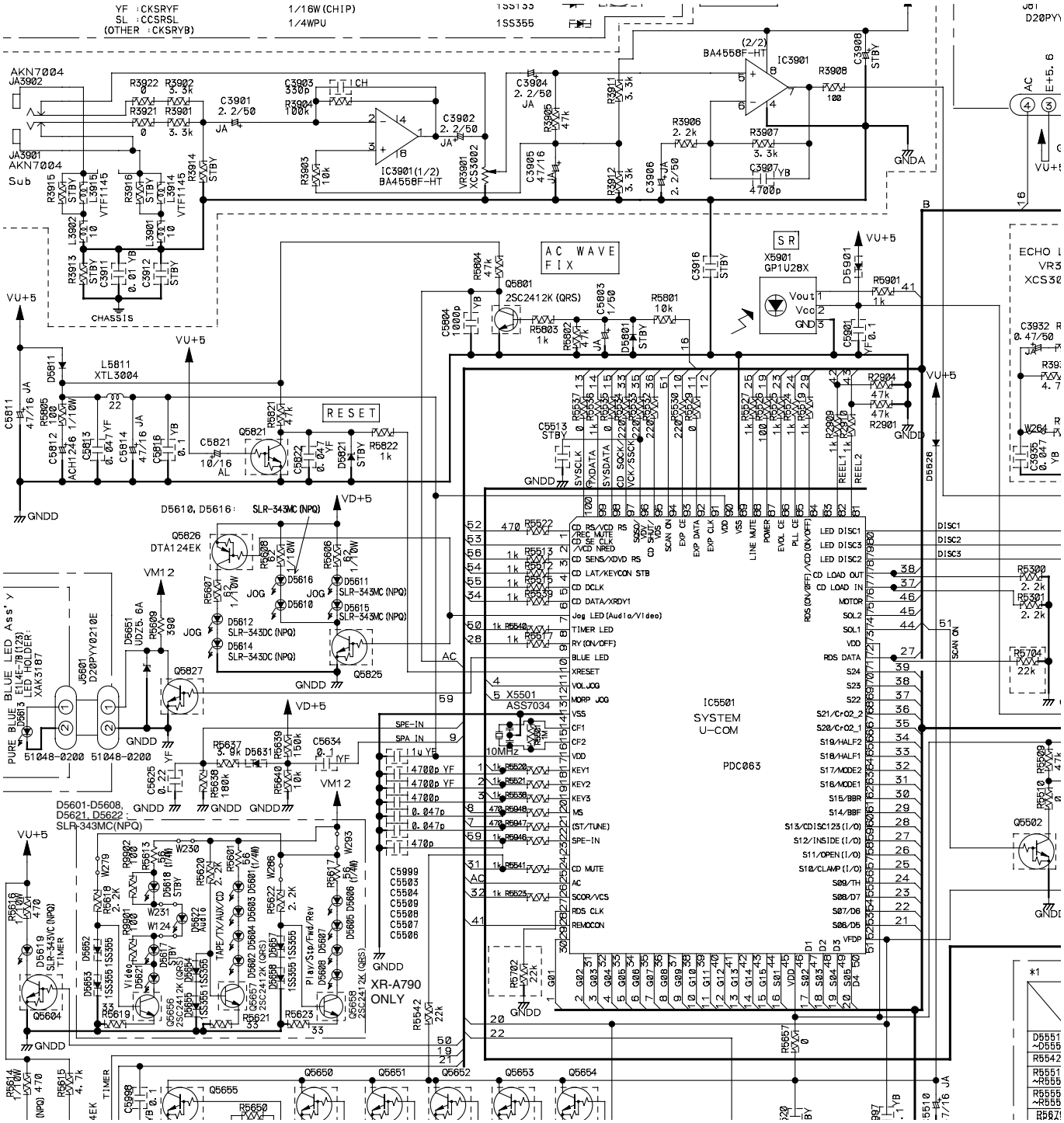
• NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
REPLACE WITH SAME TYPE AND RATINGS ONLY.



3.4 DISPLAY ASSY

IF
DISPLAY ASSY (AWU7791)



4. PCB CONNECTION DIAGRAM

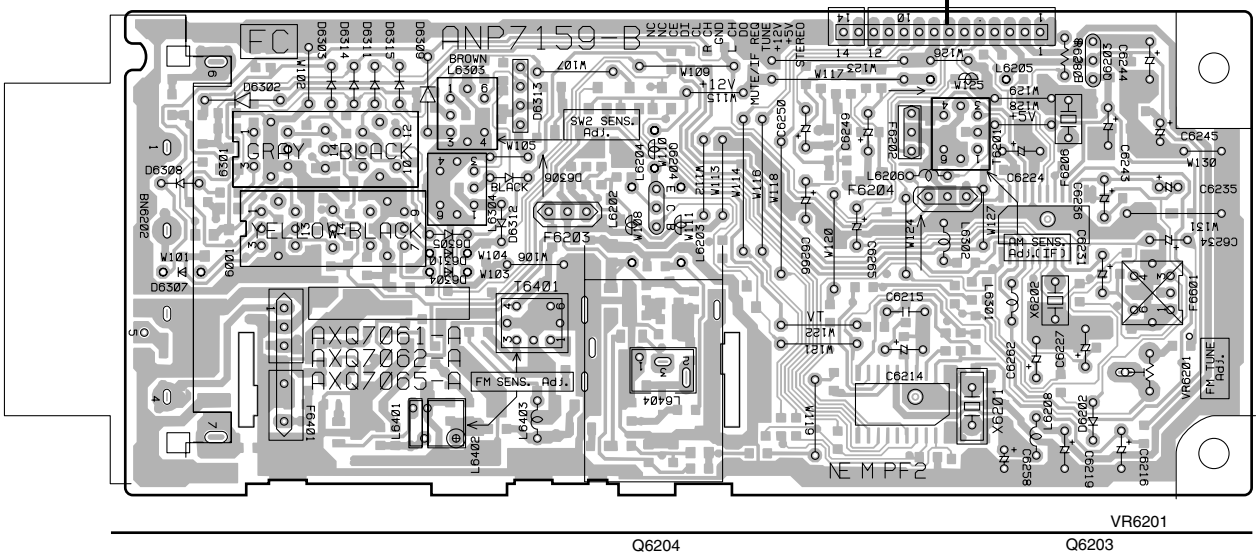
4.1 FM/AM TUNER MODULE

SIDE A

SIDE A

F CN3051

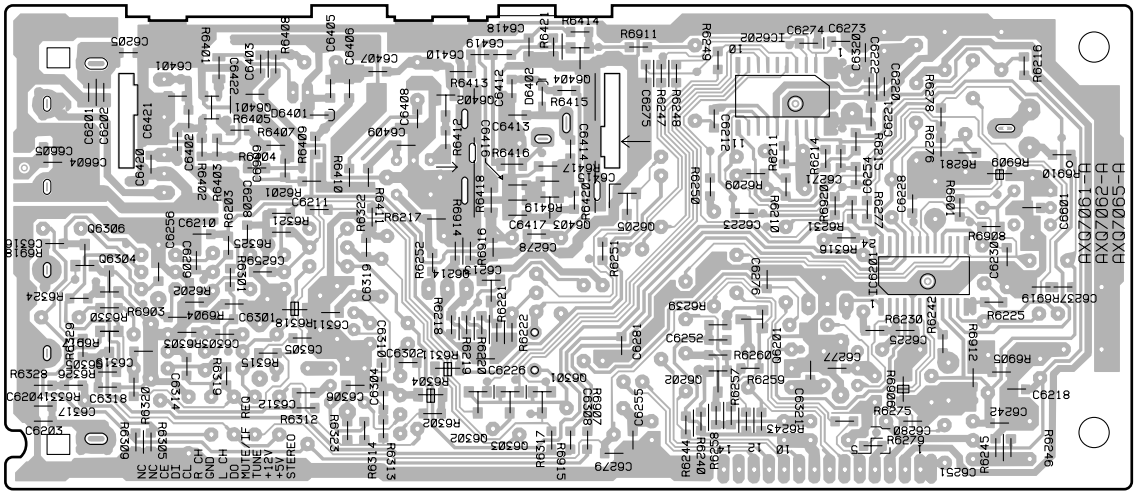
A F FM/AM TUNER MODULE



SIDE B

SIDE B

A F FM/AM TUNER MODULE



G F

G F

5. ADJUSTMENT

Note : Adjustment of XR-A390 are the same as those of XR-A4800 except for the following:

■ FM Tuner Section

• Set the mode selector to FM BAND.
• Connect the wiring as shown in Fig. 1.

Step No.	Adjustment Title	FM SG (1kHz, ± 75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dBμV)			
1	Front End Sensitivity	98	0 to 30	98MHz	L6402 T6401	Adjust so that the DC voltage between the IC6201 - pin 20 and GND becomes to maximum level.
2	TUNED IND. Lighting Level	98	18 ± 2	98MHz	VR6201	Adjust so that the indicator of TUNED IND. strats to light up.

Note:
Before adjusting, make sure there is no gap between L6401 and L6402. If there is a gap between them, bring them into contact with each other first, and then make adjustments.

■ AM Tuner Section

• Set the mode selector to AM BAND.
• Connect the wiring as shown in Fig. 1.

Step No.	Adjustment Title	AM SG (400Hz, 30% Mod.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (kHz)	Level (dBμV/m)			
1	Front End Sensitivity	999 (∗1)	35 to 45	999kHz (∗1)	T6201	Adjust so that the DC voltage between the IC6201 - pin 20 and GND becomes to maximum level.

Note (∗1) : For the area using 10kHz step, frequency should be 1000kHz.

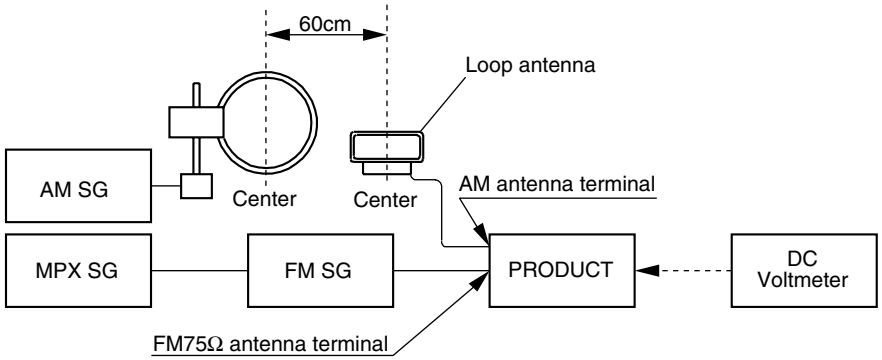


Fig.1 AM and FM Adjustment Wiring Diagram

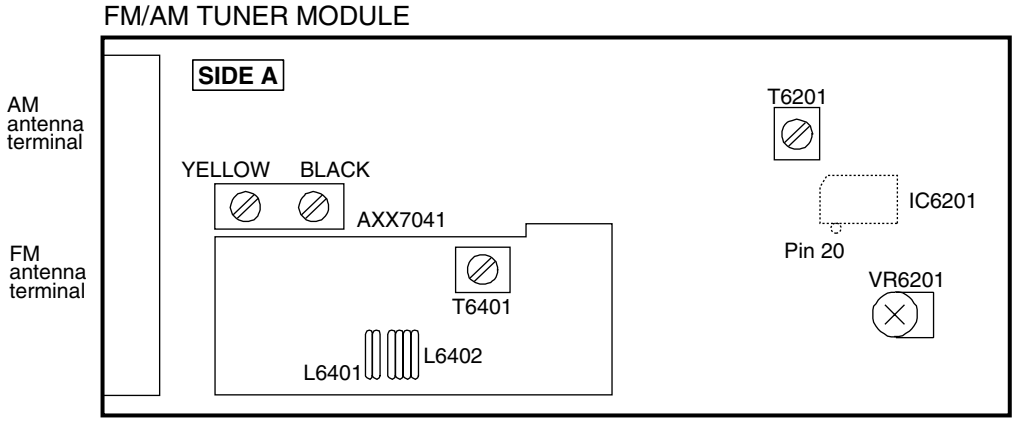


Fig.2 Adjustment Point