PIONEER
The Art of Entertainment

Service Manual

ORDER NO.
RRV1750

STEREO FILE-TYPE CD CASSETTE DECK RECEIVER

XR-P970F
XR-P770F

●Refer to the service manual RRV1685 for XR-P970F/YPW.

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

Type	Model		Power Requirement	The voltage can be converted by the following method
	XR-P970F	XR-P770F		
YPWXJ	O	O	AC240V	———
DLXJ/NC	O	O	AC110–120V/220–230V/240V	with the voltage selector
DDXJ/NC	O	O	AC110–127V/220–230V/240V	with the voltage selector
DDXJ	O	O	AC110–127V/220–230V/240V	with the voltage selector
MYXJ	O	O	AC220–230V	———
NVXJ	—	O	AC230V	———

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1. SAFETY INFORMATION

VARO !
AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

ADVARSEL:
USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHED SAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

VARNING !
OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.

LASER
Kuva 1
Lasersateilyn varoitusmerkki

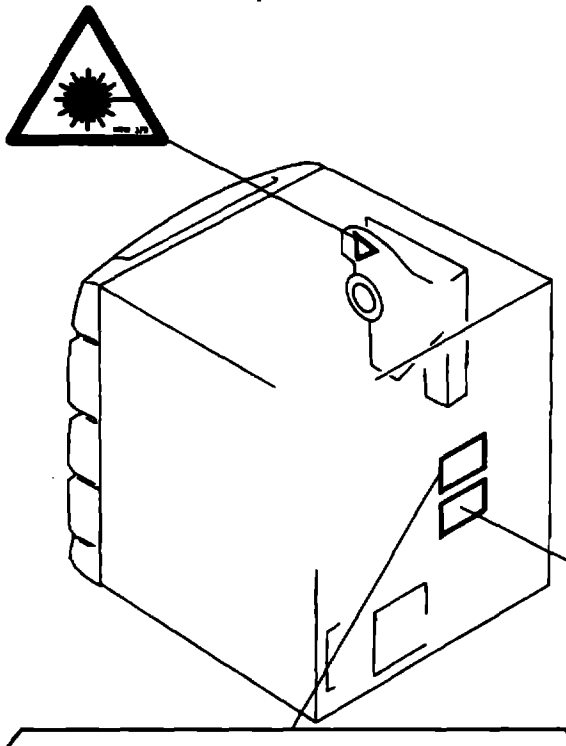
WARNING !
DEVICE INCLUDES LASER DIODE WHICH EMITS INVISIBLE INFRARED RADIATION WHICH IS DANGEROUS TO EYES. THERE IS A WARNING SIGN ACCORDING TO PICTURE 1 INSIDE THE DEVICE CLOSE TO THE LASER DIODE.

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

LASER
Picture 1
Warning sign for laser radiation

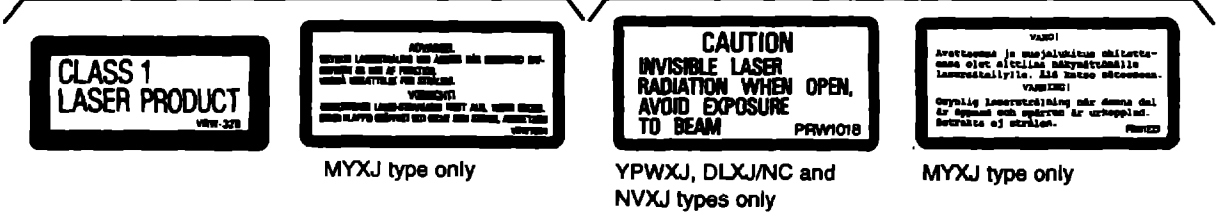
LABEL CHECK
(for XR-P970F/YPWXJ, DLXJ/NC, MYXJ, XR-P770F/YPWXJ, DLXJ/NC, MYXJ and NVXJ)



Additional Laser Caution

1. Laser Interlock Mechanism
   The position of the switch (S651) for detecting loading state is detected by the system microprocessor, and the design prevents laser diode oscillation when the switch (S651) is not on $\overline{\text{CLMP}}$ terminal side ($\overline{\text{CLMP}}$ signal is OFF or high level.) Thus, the interlock will no longer function if the switch (S651) is deliberately set to $\overline{\text{CLMP}}$ terminal side. (low level)
   The interlock also does not function in the test mode*.
   Laser diode oscillation will continue, if pin 1 of M51593FP (IC101) on the PRE-AMP BOARD ASSY mounted on the pickup assembly is connected to GND, or pin 19 is connected to low level (ON), or else the terminals of Q101 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 70 in the Service Manual RRV1685.*



MYXJ type only

YPWXJ, DLXJ/NC and NVXJ types only

MYXJ type only

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.*
- *Parts marked by "⊙" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *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 → 56 × 10¹ → 561 ..... RD1/4PU 5 6 1 J
47 k → 47 × 10³ → 473 ..... RD1/4PU 4 7 3 J
0.5 → R50 ..... RN2H R 5 0 K
1 → 1R0 ..... RS1P 1 R 0 K

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

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

■ CONTRAST OF XR-P970F/YPWXJ, DLXJ/NC, DDXJ/NC, DDXJ AND MYXJ.

XR-P970F/YPWXJ, DLXJ/NC, DDXJ/NC, DDXJ, MYXJ and YPW have the same construction except for the following :

Mark	Symbol & Description	Part No.						Remarks
		XR-P970F						
		YPW	YPWXJ	DLXJ/NC	DDXJ/NC	DDXJ	MYXJ	
NSP	MAIN ASSY	AWK7326	AWK7326	AWK7325	AWK7325	AWK7325	AWK7324	
	AF ASSY	AWZ8696	AWZ8696	AWZ8422	AWZ8422	AWZ8422	AWZ8421	
	FRONT AMP ASSY	AWZ8698	AWZ8698	AWZ8698	AWZ8698	AWZ8698	AWZ8837	
	SECONDARY ASSY	AWZ8758	AWZ8758	AWZ8760	AWZ8760	AWZ8760	AWZ8758	*1
NSP	COMPLEX ASSY	AWM7233	AWM7233	AWM7232	AWM7232	AWM7232	AWM7231	
	CD DOOR ASSY	AWZ8700	AWZ8700	AWZ8700	AWZ8700	AWZ8700	AWZ8829	
	PRIMARY ASSY	AWZ8705	AWZ8705	AWZ8713	AWZ8713	AWZ8713	AWZ8755	
	CD ASSY	AWZ8751	AWZ8751	AWZ8751	AWZ8751	AWZ8751	AWZ8752	
	MIC ASSY	AWZ8714	AWZ8714	AWZ8714	AWZ8714	AWZ8714	Not used	
	HEADPHONE ASSY	AWZ8703	AWZ8703	AWZ8703	AWZ8703	AWZ8703	AWZ8835	
	D.OUT ASSY	Not used	Not used	Not used	Not used	Not used	AWZ8574	*2, No.1
	FM/AM TUNER MODULE	AXQ7051	AXQ7061	AXQ7061	AXQ7061	AXQ7061	AXQ7068	
	Ceramic Capacitor	Not used	Not used	Not used	Not used	Not used	CKDYB102K50	*2, No.2
	Screw	Not used	Not used	Not used	Not used	Not used	ABA-115	*2, No.3
⚠	Fuse (FU1: T1.6A)	AEK1056	AEK1056	Not used	Not used	Not used	AEK1056	
⚠	Fuse (FU2, 3: T1.6A)	Not used	Not used	AEK1056	AEK1056	AEK1056	Not used	*2, No.4
⚠	Fuse (FU1: T4A)	Not used	Not used	AEK1060	AEK1060	AEK1060	Not used	*2, No.5
	Voltage Cover	Not used	Not used	AAK7387	AAK7387	AAK7387	Not used	*2, No.6
⚠	AC Power Cord	ADG1123	ADG1159	ADG1131	ADG1157	ADG1157	PDG1158	
⚠	Power Transformer (AC110—120V/220—230V/240V)	ATS7148	ATS7148	ATS7148	ATS7148	ATS7148	Not used	
⚠	Power Transformer (AC220—230V)	Not used	Not used	Not used	Not used	Not used	ATS7147	
NSP	Chassis	ANA7053	ANA7034	ANA7034	ANA7034	ANA7034	ANA7034	
	Sub Chassis	ANA7054	ANA7057	ANA7057	ANA7057	ANA7057	ANA7057	
	Rear Panel	ANC7507	ANC7560	ANC7559	ANC7558	ANC7557	ANC7555	
	Front Stay	AND7006	AND7009	AND7009	AND7009	AND7009	AND7009	
	Rear Stay	AND7007	AND7010	AND7010	AND7010	AND7010	AND7010	
	Bracket	ANG1868	ANG7009	ANG7009	ANG7009	ANG7009	ANG7009	
	Shaft Holder S	ANB7024	ANB7094	ANB7094	ANB7094	ANB7094	ANB7094	

Mark	Symbol & Description	Part No.						Remarks
		XR-P970F						
		YPW	YPWXJ	DLXJ/NC	DDXJ/NC	DDXJ	MYXJ	
	Mold A	AMR2594	AMR7005	AMR7005	AMR7005	AMR7005	AMR7005	
	Mold B	AMR2595	AMR7006	AMR7006	AMR7006	AMR7006	AMR7006	
	Eject ARM (L)	AMR7020	AMR7074	AMR7074	AMR7074	AMR7074	AMR7074	
	Eject ARM (R)	AMR7021	AMR7075	AMR7075	AMR7075	AMR7075	AMR7075	
	Spring (L)	RBH1411	ABH7102	ABH7102	ABH7102	ABH7102	ABH7102	
	Spring (R)	RBH1412	ABH7103	ABH7103	ABH7103	ABH7103	ABH7103	
	Damper Assy	AXA7021	AXA7051	AXA7051	AXA7051	AXA7051	AXA7051	
	Heat Sink	ANH7007	ANH7058	ANH7058	ANH7058	ANH7058	ANH7058	
	Sheet	AEE7010	AEE7018	AEE7018	AEE7018	AEE7018	AEE7018	
	Connector Assy 5P	RKP1582	RKP1682	RKP1682	RKP1682	RKP1682	RKP1682	
	Connector Assy 3P	RKP1583	RKP1683	RKP1683	RKP1683	RKP1683	RKP1683	
	Amp Window Mirror	Not used	Not used	Not used	Not used	Not used	AAK7413	*2, No.8
	Door Window Mirror	Not used	Not used	Not used	Not used	Not used	AAK7421	*2, No.9
	Name Plate Mirror	Not used	Not used	Not used	Not used	Not used	AAK7414	*2, No.10
	Door Window Cushion	Not used	Not used	Not used	Not used	Not used	AED7018	*2, No.11
	CD Door Cover	AAK7318	AAK7424	AAK7424	AAK7424	AAK7424	AAK7424	
	Front Panel A	AZA7207	AZA7207	AZA7207	AZA7207	AZA7207	AZA7208	
	CD Door	AAN7155	AAN7155	AAN7155	AAN7155	AAN7155	AAN7147	
	Mic Volume Knob	AAB7118	AAB7118	AAB7118	AAB7118	AAB7118	Not used	
	Function Button	AAD7366	AAD7366	AAD7366	AAD7366	AAD7366	AAD7344	
	Door Window L	AAK7307	AAK7307	AAK7307	AAK7307	AAK7307	AAK7407	
	Door Window R	AAK7308	AAK7308	AAK7308	AAK7308	AAK7308	AAK7408	
	Name Plate	AAK7335	AAK7335	AAK7335	AAK7335	AAK7335	AAK7410	
	Amp Window Sheet	AAK7362	AAK7362	AAK7362	AAK7362	AAK7362	Not used	
	Amp Window	AAK7341	AAK7429	AAK7429	AAK7429	AAK7429	AAK7431	
	Caution label	PRW1018	PRW1018	PRW1018	Not used	Not used	Not used	
NSP	Caution label (F)	VRW-328	VRW-328	VRW-328	Not used	Not used	VRW-328	
	Caution label (G)	VRW-329	VRW-329	VRW-329	Not used	Not used	VRW-329	
	Caution label (HE)	Not used	Not used	Not used	Not used	Not used	PRW1233	*2, No.12
	Caution label	Not used	Not used	Not used	Not used	Not used	VRW1094	*2, No.13
	FM Antenna	ADH7007	ADH7007	ADH7007	ADH7007	ADH7007	ADH7005	
	Loop Antenna	ATB7004	ATB7004	ATB7004	ATB7004	ATB7004	ATB7009	
	Case Rack	AMR7066	AMR7072	AMR7072	AMR7072	AMR7072	AMR7072	
	Packing Case	AHD7393	AHD7463	AHD7462	AHD7462	AHD7461	AHD7453	
	Operating Instructions (Dutch/Swedish/Spanish/ Portuguese)	Not used	Not used	Not used	Not used	Not used	ARC7157	
	Operationg Instructions (English/French/German/ Italian)	Not used	Not used	Not used	Not used	Not used	ARE7112	
	Operationg Instructions (Portuguese)	Not used	Not used	Not used	ARC7154	Not used	Not used	
	Operationg Instructions (English/Spanish/Chinese)	Not used	Not used	ARE7111	ARE7111	ARE7111	Not used	
	Operationg Instructions (English)	ARB7104	ARB7104	Not used	Not used	Not used	Not used	

*1 : Although AWZ8760 and AWZ8758 are different in part number, they consist of the same components.

*2 : The numbers in the remarks column correspond to the numbers on the exploded diagram, Refer to "EXPLODED VIEWS".

■ CONTRAST OF XR-P770F/YPWXJ, DLXJ/NC, DDXJ/NC, DDXJ, MYXJ AND NVXJ.

XR-P770F/YPWXJ, DLXJ/NC, DDXJ/NC, DDXJ, MYXJ, NVXJ and XR-P970F/YPW have the same construction except for the following

Mark	Symbol & Description	Part No.							Remarks
		XR-P970F	XR-P770F						
		YPW	YPWXJ	DLXJ/NC	DDXJ/NC	DDXJ	MYXJ	NVXJ	
NSP	MAIN ASSY	AWK7326	AWK7322	AWK7321	AWK7321	AWK7321	AWK7378	AWK7378	
	AF ASSY	AWZ8696	AWZ8828	AWZ8419	AWZ8419	AWZ8419	AWZ8697	AWZ8697	
	FRONT AMP ASSY	AWZ8698	AWZ8793	AWZ8793	AWZ8793	AWZ8793	AWZ8836	AWZ8836	
	REAR AMP REG ASSY	AWZ8699	Not used	Not used	Not used	Not used	Not used	Not used	
	REGULATOR ASSY	Not used	AWZ8759	AWZ8759	AWZ8759	AWZ8759	AWZ8759	AWZ8759	
	SECONDARY ASSY	AWZ8758	AWZ8758	AWZ8760	AWZ8760	AWZ8760	AWZ8758	AWZ8758	*3
NSP	COMPLEX ASSY	AWM7233	AWM7229	AWM7228	AWM7228	AWM7228	AWM7292	AWM7292	
	CD DOOR ASSY	AWZ8700	AWZ8706	AWZ8706	AWZ8706	AWZ8706	AWZ8830	AWZ8830	
	MIC ASSY	AWZ8714	AWZ8715	AWZ8715	AWZ8715	AWZ8715	Not used	Not used	
	JOG ASSY	AWZ8702	AWZ8569	AWZ8569	AWZ8569	AWZ8569	AWZ8569	AWZ8569	
	PRIMARY ASSY	AWZ8705	AWZ8705	AWZ8713	AWZ8713	AWZ8713	AWZ8755	AWZ8755	
	D.OUT ASSY	Not used	Not used	Not used	Not used	Not used	AWZ8574	AWZ8574	*4, No.1
	CD ASSY	AWZ8751	AWZ8751	AWZ8751	AWZ8751	AWZ8751	AWZ8752	AWZ8752	
	HEADPHONE ASSY	AWZ8703	AWZ8703	AWZ8703	AWZ8703	AWZ8703	AWZ8835	AWZ8835	
	FM/AM TUNER MODULE	AXQ7051	AXQ7061	AXQ7061	AXQ7061	AXQ7061	AXQ7068	AXQ7068	
	Ceramic Capacitor	Not used	Not used	Not used	Not used	Not used	CKDYB102K50	CKDYB102K50	*4, No.2
	Screw	Not used	Not used	Not used	Not used	Not used	ABA-115	ABA-115	*4, No.3
⚠	Fuse (FU1: T1.6A)	AEK1056	AEK1056	Not used	Not used	Not used	AEK1056	AEK1056	
⚠	Fuse (FU2, 3: T1.6A)	Not used	Not used	AEK1056	AEK1056	AEK1056	Not used	Not used	*4, No.4
⚠	Fuse (FU1: T4A)	Not used	Not used	AEK1060	AEK1060	AEK1060	Not used	Not used	*4, No.5
	Voltage Cover	Not used	Not used	AAK7387	AAK7387	AAK7387	Not used	Not used	*4, No.6
	Fuse (T5A) (For AC Power Cord)	Not used	Not used	Not used	Not used	Not used	Not used	PEK1003	*4, No.7
⚠	AC Power Cord	ADG1123	ADG1159	ADG1131	ADG1157	ADG1157	PDG1058	PDG1055	
⚠	AC Power Transformer (AC110—120V/220—230V/240V)	ATS7148	ATS7148	ATS7148	ATS7148	ATS7148	Not used	Not used	
⚠	AC Power Transformer (AC220—230V)	Not used	Not used	Not used	Not used	Not used	ATS7147	ATS7147	
NSP	Chassis	ANA7053	ANA7034	ANA7034	ANA7034	ANA7034	ANA7034	ANA7034	
	Sub Chassis	ANA7054	ANA7057	ANA7057	ANA7057	ANA7057	ANA7057	ANA7057	
	Rear Panel	ANC7507	ANC7553	ANC7552	ANC7551	ANC7550	ANC7548	ANC7549	
	Front Stay	AND7006	AND7009	AND7009	AND7009	AND7009	AND7009	AND7009	
	Rear Stay	AND7007	AND7010	AND7010	AND7010	AND7010	AND7010	AND7010	
	Bracket	ANG1868	ANG7009	ANG7009	ANG7009	ANG7009	ANG7009	ANG7009	
	Shaft Holder S	ANB7024	ANB7094	ANB7094	ANB7094	ANB7094	ANB7094	ANB7094	
	Mold A	AMR2594	AMR7005	AMR7005	AMR7005	AMR7005	AMR7005	AMR7005	
	Mold B	AMR2595	AMR7006	AMR7006	AMR7006	AMR7006	AMR7006	AMR7006	
	Eject ARM (L)	AMR7020	AMR7074	AMR7074	AMR7074	AMR7074	AMR7074	AMR7074	
	Eject ARM (R)	AMR7021	AMR7075	AMR7075	AMR7075	AMR7075	AMR7075	AMR7075	
	Spring (L)	RBH1411	ABH7102	ABH7102	ABH7102	ABH7102	ABH7102	ABH7102	
	CD Door Cover	AAK7318	AAK7424	AAK7424	AAK7424	AAK7424	AAK7424	AAK7424	

Mark	Symbol & Description	Part No.							Remarks
		XR-P970F	XR-P770F						
		YPW	YPWXJ	DLXJ/NC	DDXJ/NC	DDXJ	MYXJ	NVXJ	
	Spring (R)	RBH1412	ABH7103	ABH7103	ABH7103	ABH7103	ABH7103	ABH7103	
	Damper Assy	AXA7021	AXA7051	AXA7051	AXA7051	AXA7051	AXA7051	AXA7051	
	Heat Sink	ANH7007	ANH7058	ANH7058	ANH7058	ANH7058	ANH7058	ANH7058	
	Sheet	AEE7010	AEE7018	AEE7018	AEE7018	AEE7018	AEE7018	AEE7018	
	Connector Assy 5P	RKP1582	RKP1682	RKP1682	RKP1682	RKP1682	RKP1682	RKP1682	
	Connector Assy 3P	RKP1583	RKP1683	RKP1683	RKP1683	RKP1683	RKP1683	RKP1683	
	Amp Window Mirror	Not used	Not used	Not used	Not used	Not used	AAK7413	AAK7413	*4, No.8
	Door Window Mirror	Not used	Not used	Not used	Not used	Not used	AAK7421	AAK7421	*4, No.9
	Name Plate Mirror	Not used	Not used	Not used	Not used	Not used	AAK7414	AAK7414	*4, No.10
	Door Window Cushion	Not used	Not used	Not used	Not used	Not used	AED7018	AED7018	*4, No.11
	Front Panel A	AZA7207	AZA7231	AZA7231	AZA7231	AZA7231	AZA7208	AZA7208	
	JOG Panel A	AZA7210	AZA7211	AZA7211	AZA7211	AZA7211	AZA7211	AZA7211	
	CD Door	AAN7155	AAN7155	AAN7155	AAN7155	AAN7155	AAN7147	AAN7147	
	Mic Volume Knob	AAB7118	AAB7118	AAB7118	AAB7118	AAB7118	Not used	Not used	
	Function Button	AAD7366	AAD7366	AAD7366	AAD7366	AAD7366	AAD7344	AAD7344	
	Door Window L	AAK7307	AAK7307	AAK7307	AAK7307	AAK7307	AAK7407	AAK7407	
	Door Window R	AAK7308	AAK7308	AAK7308	AAK7308	AAK7308	AAK7408	AAK7408	
	Name Plate	AAK7335	AAK7309	AAK7309	AAK7309	AAK7309	AAK7409	AAK7409	
	Amp Window Sheet	AAK7362	AAK7362	AAK7362	AAK7362	AAK7362	Not used	Not used	
	Amp Window	AAK7341	AAK7428	AAK7428	AAK7428	AAK7428	AAK7430	AAK7430	
	Caution label	PRW1018	PRW1018	PRW1018	Not used	Not used	Not used	PRW1018	
NSP	Caution label (F)	VRW-328	VRW-328	VRW-328	Not used	Not used	VRW-328	VRW-328	
	Caution label (G)	VRW-329	VRW-329	VRW-329	Not used	Not used	VRW-329	VRW-329	
	Caution label (HE)	Not used	Not used	Not used	Not used	Not used	PRW1233	Not used	*4, No.12
	Caution label	Not used	Not used	Not used	Not used	Not used	VRW1094	Not used	*4, No.13
	FM Antenna	ADH7007	ADH7007	ADH7007	ADH7007	ADH7007	ADH7005	ADH7005	
	Loop Antenna	ATB7004	ATB7004	ATB7004	ATB7004	ATB7004	ATB7009	ATB7009	
	Case Rack	AMR7066	AMR7072	AMR7072	AMR7072	AMR7072	AMR7072	AMR7072	
	Packing Case	AHD7393	AHD7460	AHD7459	AHD7459	AHD7458	AHD7452	AHD7452	
	Remote Control Unit (CU-XR028)	AXD7103	Not used	Not used	Not used	Not used	Not used	Not used	
	Remote Control Unit (CU-XR027)	Not used	AXD7102	AXD7102	AXD7102	AXD7102	AXD7102	AXD7102	
	UK Cord Protector	Not used	Not used	Not used	Not used	Not used	Not used	AHA7130	*4, No.14
	Operating Instructions (Dutch/Swedish/Spanish/ Portuguese)	Not used	Not used	Not used	Not used	Not used	ARC7157	Not used	
	Operationg Instructions (English/French/German/Italian)	Not used	Not used	Not used	Not used	Not used	ARE7112	Not used	
	Operationg Instructions (Portuguese)	Not used	Not used	Not used	ARC7154	Not used	Not used	Not used	
	Operationg Instructions (English/Spanish/Chinese)	Not used	Not used	ARE7111	ARE7111	ARE7111	Not used	Not used	
	Operationg Instructions (English)	ARB7104	ARB7104	Not used	Not used	Not used	Not used	ARB7110	

*3 : Although AWZ8760 and AWZ8758 are different in part number, they consist of the same components.

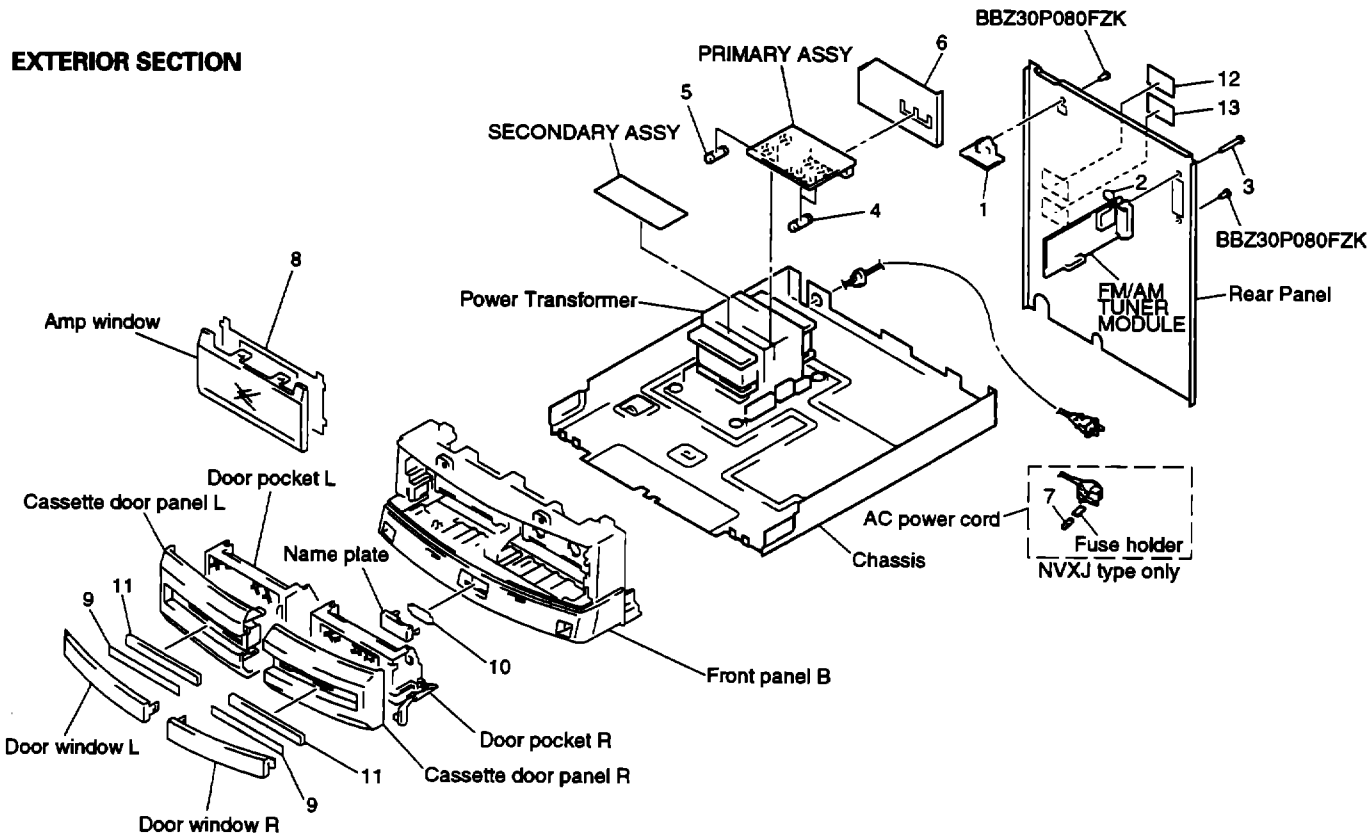
*4 : The numbers in the remarks column correspond to the numbers on the exploded diagram, Refer to "EXPLODED VIEWS".

MAIN ASSY (for XR-P770F)
- AF ASSY
- SECONDARY ASSY
- FRONT AMP ASSY
- G. C ASSY
- REGULATOR ASSY

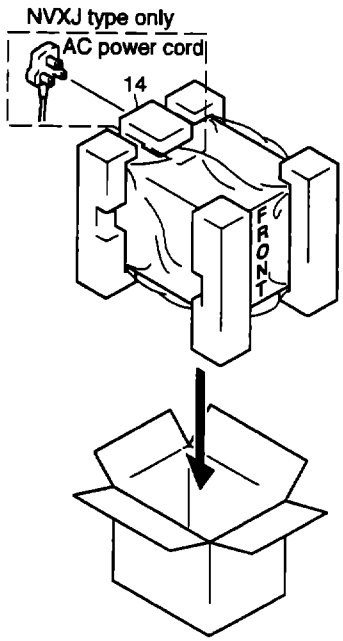
COMPLEX ASSY (for XR-P970F/MYXJ,XR-P770F/MYXJ and NVXJ))
- CD DOOR ASSY
  - HOME SW ASSY
  - CD DOOR SW ASSY
  - CD DOOR MOTOR ASSY
  - SW1 ASSY
  - SW2 ASSY
  - LED ASSY
  - TX CONNECT ASSY
- OPE. CENTER ASSY
- OPE. RIGHT ASSY
- JOG ASSY
- OPE. LEFT ASSY
- HEADPHONE ASSY
- CD ASSY
- PRIMARY ASSY
- D. OUT ASSY

●EXPLODED VIEWS

EXTERIOR SECTION



PACKING SECTION



AF ASSY (for XR-P970F)

AWZ8422, AWZ8421 and AWZ8696 have the same construction except for the following :

Mark	Symbol & Description	Part No.			Remarks
		AWZ8696	AWZ8422	AWZ8421	
	IC3501	Not used	Not used	LA2232M	
	Q3501	Not used	Not used	2SA1037K	
	Q3502	Not used	Not used	DTC143EK	
	Q3503	Not used	Not used	2SC2412K	
⚠	C1001	CEAS332M16	CEAS332M25	CEAS332M25	
⚠	C1004	CEAS222M16	ACH7059 (2200µF/25V)	ACH7059 (2200µF/25V)	
	C1013, C1015	Not used	Not used	CKSQYB102K50	
	C1017, C1018	CKSQYB473K50	CKSQYB473K50	Not used	
	C1045–C1048	CKSQYB223K50	CKSQYB223K50	CKSQKB473K50	
	C1061–C1064	Not used	Not used	CKSQKB221K50	
	C1153, C1154	Not used	Not used	CCSQCH470J50	
	C1905	CEAS2R2M50	CEAS2R2M50	Not used	
	C1919	CKSQYB102K50	CKSQYB102K50	Not used	
	C3501, C3507	Not used	Not used	CKSQYB103K50	
	C3503, C3510, C3512	Not used	Not used	CEAS4R7M50	
	C3504	Not used	Not used	CEAS220M50	
	C3505, C3506	Not used	Not used	CKSQYB332K50	
	C3508	Not used	Not used	CCSQCH271J50	
	C3509, C3511	Not used	Not used	CEAS100M50	
	C3513	Not used	Not used	CKSQYB223K50	
	C3514, C3515	Not used	Not used	CKSQYB333K50	
	C3516	Not used	Not used	CKSQYB682K50	
	C4109, C4110	Not used	Not used	CCSQCH101J50	
	C7106	CEJA220M25	CEAS220M50	CEAS220M50	
	R1031, R1032	RD1/4LMF100J	RD1/4LMF100J	RD1/4LMF101J	
	R1033, R1034	RS1/10S100J	RS1/10S100J	Not used	
	R1063, R1064	RS1/10S0R0J	RS1/10S0R0J	RS1/10S222J	
	R1125, R1126	RS1/10S303J	RS1/10S303J	RS1/10S273J	
	R1920	RS1/10S0R0J	RS1/10S0R0J	Not used	
	R3501	Not used	Not used	RS1/10S473J	
	R3502, R3507, R3509, R3519, R3551	Not used	Not used	RS1/10S102J	
	R3504	Not used	Not used	RS1/10S101J	
	R3505	Not used	Not used	RS1/10S221J	
	R3506	Not used	Not used	RS1/10S472J	
	R3508	Not used	Not used	RS1/10S564J	
	R3510	Not used	Not used	RS1/10S562J	
	R3511	Not used	Not used	RS1/10S332J	
	R3512	Not used	Not used	RS1/10S103J	
	R3513	Not used	Not used	RS1/10S223J	
	R3514	Not used	Not used	RS1/10S104J	
	R3520	Not used	Not used	RS1/10S563J	
	VR3501 (4.7kΩ)	Not used	Not used	PCP1028	
	X3501 (456kHz)	Not used	Not used	ASS7001	

AF ASSY (for XR-P770F)

AWZ8828, AWZ8419, AWZ8697 and AWZ8696 have the same construction except for the following :

Mark	Symbol & Description	Part No.				Remarks
		AWZ8696	AWZ8828	AWZ8419	AWZ8697	
	IC1801	M62429FP	Not used	Not used	Not used	
	IC3501	Not used	Not used	Not used	LA2232M	
	IC7101	NJW1102FG1	Not used	Not used	Not used	
	IC7102	NJU9702D	Not used	Not used	Not used	
	Q1801, Q1802	2SD2114K	Not used	Not used	Not used	
	Q3501	Not used	Not used	Not used	2SA1037	
	Q3502	Not used	Not used	Not used	DTC143EK	
	Q3503	Not used	Not used	Not used	2SC2412	
	D7101, D7102	1SS355	Not used	Not used	Not used	
⚠	L7101	LAU220J	Not used	Not used	Not used	
⚠	C1001	CEAS332M16	CEAS332M16	CEAS332M25	CEAS332M25	
⚠	C1004	CEAS222M16	CEAS222M16	ACH7059 (2200µF/25V)	ACH7059 (2200µF/25V)	
	C1014, C1016	CKSQYB104K25	Not used	Not used	CKSQYB222K50	
	C1017, C1018	CKSQYB473K50	Not used	Not used	Not used	
	C1024–C1027	CKSQYB104K25	Not used	Not used	Not used	
	C1022, C1023	CKSQYB104K25	CKSQYB223K50	CKSQYB223K50	CKSQYB222K50	
	C1029–C1032	CEAS471M10	Not used	Not used	Not used	
	C1045–C1048	CKSQYB223K50	CKSQYB223K50	CKSQYB223K50	CKSQYB473K50	
	C1050	Not used	Not used	Not used	CKSQYB102K50	
	C1061–C1064	Not used	Not used	Not used	CKSQYB221K50	
	C1153, C1154	Not used	Not used	Not used	CCSQCH470J50	
	C1905	CEAS2R2M50	CEAS2R2M50	CEAS2R2M50	Not used	
	C1919	CKSQYB102K50	CKSQYB102K50	CKSQYB102K50	Not used	
	C3501, C3507	Not used	Not used	Not used	CKSQYB103K50	
	C3503, C3510, C3512	Not used	Not used	Not used	CEAS4R7M50	
	C3504	Not used	Not used	Not used	CEAS220M50	
	C3505, C3506	Not used	Not used	Not used	CKSQYB332K50	
	C3508	Not used	Not used	Not used	CCSQCH271J50	
	C3509, C3511	Not used	Not used	Not used	CEAS100M50	
	C3513	Not used	Not used	Not used	CKSQYB223K50	
	C3514, C3515	Not used	Not used	Not used	CKSQYB333K50	
	C3516	Not used	Not used	Not used	CKSQYB682K50	
	C4109, C4110	Not used	Not used	Not used	CCSQCH101J50	
	C7012, C7165	CKSQYB104K25	Not used	Not used	Not used	
	C1801, C1802, C7137, C7138	CEAS2R2M50	Not used	Not used	Not used	
	C1803, C1804	CKSQYB471K50	Not used	Not used	Not used	
	C7010, C7011, C7132	CEAS101M25	Not used	Not used	Not used	
	C7103	CEANL220M25	Not used	Not used	Not used	
	C7104, C7160	CEAS470M16	Not used	Not used	Not used	
	C7105	CQMA472J50	Not used	Not used	Not used	
	C7106	CEJA220M25	Not used	Not used	Not used	
	C7107, C7110	CCSQCH681J50	Not used	Not used	Not used	
	C7108, C7109, C7111, C7112	CFTXA104J50	Not used	Not used	Not used	
	C7116–C7119, C7136, C7158, C7159	CFTXA104J50	Not used	Not used	Not used	
	C7113, C7114, C7134	CFTXA473J50	Not used	Not used	Not used	
	C7115, C7120	CFTXA223J50	Not used	Not used	Not used	
	C7121, C7123, C7124, C7126	CFTXA224J50	Not used	Not used	Not used	

Mark	Symbol & Description	Part No.				Remarks
		AWZ8696	AWZ8828	AWZ8419	AWZ8697	
	C7122, C7125, C7153	CEAS4R7M50	Not used	Not used	Not used	
	C7129	CEAS100M50	Not used	Not used	Not used	
	C7130, C7155, C7162	CCSQCH561J50	Not used	Not used	Not used	
	C7131	CCSQCH102J50	Not used	Not used	Not used	
	C7133	CQMA562J50	Not used	Not used	Not used	
	C7135	CFTXA684J50	Not used	Not used	Not used	
	C7139	CEAS221M10	Not used	Not used	Not used	
	C7152	CKSQYF104Z50	Not used	Not used	Not used	
	C7156	CKSQYB562K50	Not used	Not used	Not used	
	C7157, C7161	CFTXA683J50	Not used	Not used	Not used	
	C7163	CKSQYB222K50	Not used	Not used	Not used	
	C7179	CKSQYB102K50	Not used	Not used	Not used	
	R1031, R1032	RD1/4LMF100J	RD1/4LMF100J	RD1/4LMF100J	RD1/4LMF101J	
	R1033, R1034	RD1/10S100J	RD1/10S100J	RD1/10S100J	Not used	
	R1036, R1049	Not used	RS1/10S0R0J	RS1/10S0R0J	RS1/10S0R0J	
	R1037	RS1/10S100J	RS1/10S0R0J	RS1/10S0R0J	RS1/10S100J	
	R1038	RS1/10S100J	Not used	Not used	RS1/10S100J	
	R1040, R1046	RS1/10S0R0J	Not used	Not used	Not used	
	R1063, R1064	RS1/10S0R0J	RS1/10S0R0J	RS1/10S0R0J	RS1/10S222J	
	R1125, R1126	RS1/10S303J	RS1/10S303J	RS1/10S303J	RS1/10S273J	
	R1807, R1808	RS1/10S471J	Not used	Not used	Not used	
	R1044, R1045	RS1/10S100J	Not used	Not used	Not used	
	R1809–R1812, R7010, R7012	RS1/10S103J	Not used	Not used	Not used	
	R3501	Not used	Not used	Not used	RS1/10S473J	
	R3502, R3507, R3509, R3519, R3551	Not used	Not used	Not used	RS1/10S102J	
	R3504	Not used	Not used	Not used	RS1/10S101J	
	R3505	Not used	Not used	Not used	RS1/10S221J	
	R3506	Not used	Not used	Not used	RS1/10S472J	
	R3507	Not used	Not used	Not used	RS1/10S102J	
	R3508	Not used	Not used	Not used	RS1/10S564J	
	R3510	Not used	Not used	Not used	RS1/10S562J	
	R3511	Not used	Not used	Not used	RS1/10S332J	
	R3512	Not used	Not used	Not used	RS1/10S103J	
	R3513	Not used	Not used	Not used	RS1/10S223J	
	R3514	Not used	Not used	Not used	RS1/10S104J	
	R3520	Not used	Not used	Not used	RS1/10S563J	
	R7013, R7123, R7128	RS1/10S103J	Not used	Not used	Not used	
	R1920	RS1/10S0R0J	RS1/10S0R0J	RS1/10S0R0J	Not used	
	R1905, R1906	Not used	RS1/4PU223J	RS1/4PU223J	RS1/4PU223J	
	R7011	RS1/10S472J	Not used	Not used	Not used	
	R7014, R7015	RS1/10S101J	Not used	Not used	Not used	
	R7101, R7102, R7113, R7188	RS1/10S223J	Not used	Not used	Not used	
	R7190, R7905, R7906	RS1/10S223J	Not used	Not used	Not used	
	R7103	RS1/10S475J	Not used	Not used	Not used	
	R7104	RS1/10S104J	Not used	Not used	Not used	
	R7105, R7108	RS1/10S473J	Not used	Not used	Not used	
	R7111	RS1/10S1003F	Not used	Not used	Not used	
	R7106, R7109, R7112, R7115	RS1/10S153J	Not used	Not used	Not used	
	R7122, R7124, R7127	RS1/10S153J	Not used	Not used	Not used	
	R7107, R7110	RS1/10S752J	Not used	Not used	Not used	
	R7116	RS1/10S334J	Not used	Not used	Not used	
	R7121	RS1/10S105J	Not used	Not used	Not used	
	R7126	RS1/10S300J	Not used	Not used	Not used	
	R7129	RS1/10S433J	Not used	Not used	Not used	
	R7181–R7183, R7185–R7187	RS1/10S102J	Not used	Not used	Not used	
	VR3501 (4.7kΩ)	Not used	Not used	Not used	PCP1028	
	CN1005 PIN JACK 1-P	AKB7042	Not used	Not used	Not used	
	X3501 CERAMIC RESONATOR (456kHz)	Not used	Not used	Not used	ASS7001	
	X7101 CERAMIC RESONATOR (2.00 MHz)	ASS7011	Not used	Not used	Not used	

■ FRONT AMP ASSY

AWZ8837, AWZ8793, AWZ8836 and AWZ8698 have the same construction except for the following :

Mark	Symbol & Description	Part No.				Remarks
		AWZ8698	AWZ8837	AWZ8793	AWZ8836	
	C1555, C1556	Not used	CCSQCH101J50	Not used	CCSQCH101J50	
	C1566	Not used	CKSQYB473K50	Not used	CKSQYB473K50	
	R1570	Not used	RS1/10S100J	Not used	RS1/10S100J	

■ CD DOOR ASSY

AWZ8829, AWZ8706, AWZ8830 and AWZ8700 have the same construction except for the following :

Mark	Symbol & Description	Part No.				Remarks
		AWZ8700	AWZ8829	AWZ8706	AWZ8830	
	D2019	1SS254	1SS254	Not used	Not used	
	D2020	Not used	Not used	1SS254	1SS254	
	D2021	Not used	1SS254	Not used	1SS254	
	C2006	CEJAR47M50	CEASR47M50	CEJAR47M50	CEASR47M50	

■ PRIMARY ASSY

AWZ8755, AWZ8713 and AWZ8705 have the same construction except for the following :

Mark	Symbol & Description	Part No.			Remarks
		AWZ8705	AWZ8755	AWZ8713	
	S101	Not used	Not used	AKX7006	
	H103–H106 FUSE CLIP	Not used	Not used	AKR1003	

■ CD ASSY

AWZ8752 and AWZ8571 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8751	AWZ8752	
	R8015	RD1/4PU272J	RD1/4PU512J	
	R8994	RS1/10S0R0J	Not used	
	R8041, R8998, R8999	RS1/10S473J	Not used	

■ MIC ASSY

AWZ8715 and AWZ8714 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8714	AWZ8715	
	R2352	Not used	RS1/10S472J	
	JA2352 JACK	Not used	RKN1004	

■ HEADPHONE ASSY

AWZ8835 and AWZ8703 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8703	AWZ8835	
	C2501, C2502	CKSQYB102K50	CKSQYB472K50	

■ REGULATOR ASSY

REGULATOR assy (AWZ8759) and REAR-AMP REG assy (AWZ8699) have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8699	AWZ8759	
⚠	IC1601	TDA8560Q	Not used	
⚠	Q1601	IRFI9Z24G	Not used	
	Q1602	2SC2412K	Not used	
	Q1606–Q1608	2SA1037K	Not used	
	D1211, D1604	1SS254	Not used	
	D1601	MTZJ18B	Not used	
	D1602	MTZJ4.7B	Not used	
	D1603	MTZJ12B	Not used	
	C1601, C1602	CEASR47M50	Not used	
	C1603, C1604, C1611–C1614	CKSQYB102K50	Not used	
	C1605	CEAS101M35	Not used	
	C1606	CKSQYB473K50	Not used	
	C1607	CEJA470M16	Not used	
	C1609	CEJA101M10	Not used	
	R1219	RD1/2PM330J	RD1/4PU330J	
	R1601	RD1/4PU563J	Not used	
	R1602	RS1/10S101J	Not used	
	R1603	RD1/4PU302J	Not used	
	R1604	RD1/4PU102J	Not used	
	R1605, R1612–R1615, R1617, R1618	RD1/4PU103J	Not used	
	R1607, R1620	RS1/10S103J	Not used	
	R1608, R1616	RD1/4PU472J	Not used	
	R1611	RS1/10S2R2J	Not used	
	R1619	RD1/4PU100J	Not used	

■ JOG ASSY

AWZ8569 and AWZ8702 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8702	AWZ8569	
	S2403, S2405	ASG1034	Not used	
	R2403	RN1/4PC1801F	Not used	
	R2404	RN1/4PC2701F	Not used	

■ PCB PARTS LIST

Mark	No.	Description	Parts No.

GF D.OUT ASSY

CAPACITORS

	C8501	CKSQYF104Z50

OTHERS

	J8501 3P JUMPER WIRE	D20PWW0315E
	JA8001 OPTICAL LINK OUT	GP1F32T

BF FM/AM TUNER MODULE

(for YPWXJ, DDXJ, DLXJ/NC and DDXJ/NC types)

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	1T363

COILS AND FILTERS

	L6404	ATC1003
	L6401	ATC1020
	L6402	ATC1021
	F6204	ATF-107
	F6203	ATF-119
	F6401	ATF-155
	F6206	ATF7008
	F6202 (455KHz)	ATF7011
	L6206 ,L6208 ,L6403	LAU2R2J

TRANSFORMERS

	T6201	ATB7008
	T6401	ATE7002

CAPACITORS

	C6208	CCSQCH100D50
	C6212 ,C6274 ,C6275 ,C6408	CCSQCH101J50
	C6221 ,C6222 ,C6416	CCSQCH150J50
	C6271	CCSQCH200J50
	C6415	CCSQCH330J50
	C6401 ,C6419	CCSQCH5R0C50
	C6407	CCSQCK1R0C50
	C6410	CCSQCK2R0C50
	C6413	CCSQPH220J50
	C6414	CCSQPH8R0D50
	C6405	CCSQTH180J50
	C6234 ,C6235	CEAL1R0M50
	C6245	CEAL470M16
	C6224	CEAS100M50
	C6243	CEAS101M16
	C6231	CEAS1R0M50
	C6227	CEAS220M16
	C6236	CEAS2R2M50
	C6216	CEAS330M16
	C6262	CEAS3R3M50
	C6219	CEAS470M10
	C6244	CEAS470M16
	C6249 ,C6250 ,C6265 ,C6266	CEAS4R7M50
	C6258	CEJA470M16
	C6215	CFTXA103J50
	C6214	CFTXA224J50
	C6211 ,C6254 ,C6403 ,C6406 ,C6412	CKSQYB102K50
	C6201 ,C6205 ,C6210 ,C6213 ,C6237	CKSQYB103K50
	C6276 ,C6278 ,C6280 ,C6281 ,C6402	CKSQYB103K50
	C6409 ,C6417 ,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 (10KΩ)	RCP1045
	Other Resistors	RS1/10S□□□J

OTHERS

	BN6202	TERMINAL 4-P	AKE7025
	X6202	CRYSTAL RESONATOR (456KHz)	ASS1066
	X6201	CRYSTAL RESONATOR (7.2000KHz)	ASS1093
	CN6201	14 SOCKET	KP200IA14L

BF FM/AM TUNER MODULE

(for MYXJ and NVXJ types)

SEMICONDUCTORS

	IC6201	LA1832ML
	IC6202	LC72131MD
	Q6102	2SC2223
	Q6203	2SC2705
	Q6201 ,Q6202	2SC2712
	Q6103 ,Q6214 ,Q6601	2SC2714
	Q6104 ,Q6105	2SK302
	Q6101	3SK194
	Q6204	DTA124ES
	Q6205	DTC124EK
	D6202	1SS254
	D6101 -D6104	1SV228

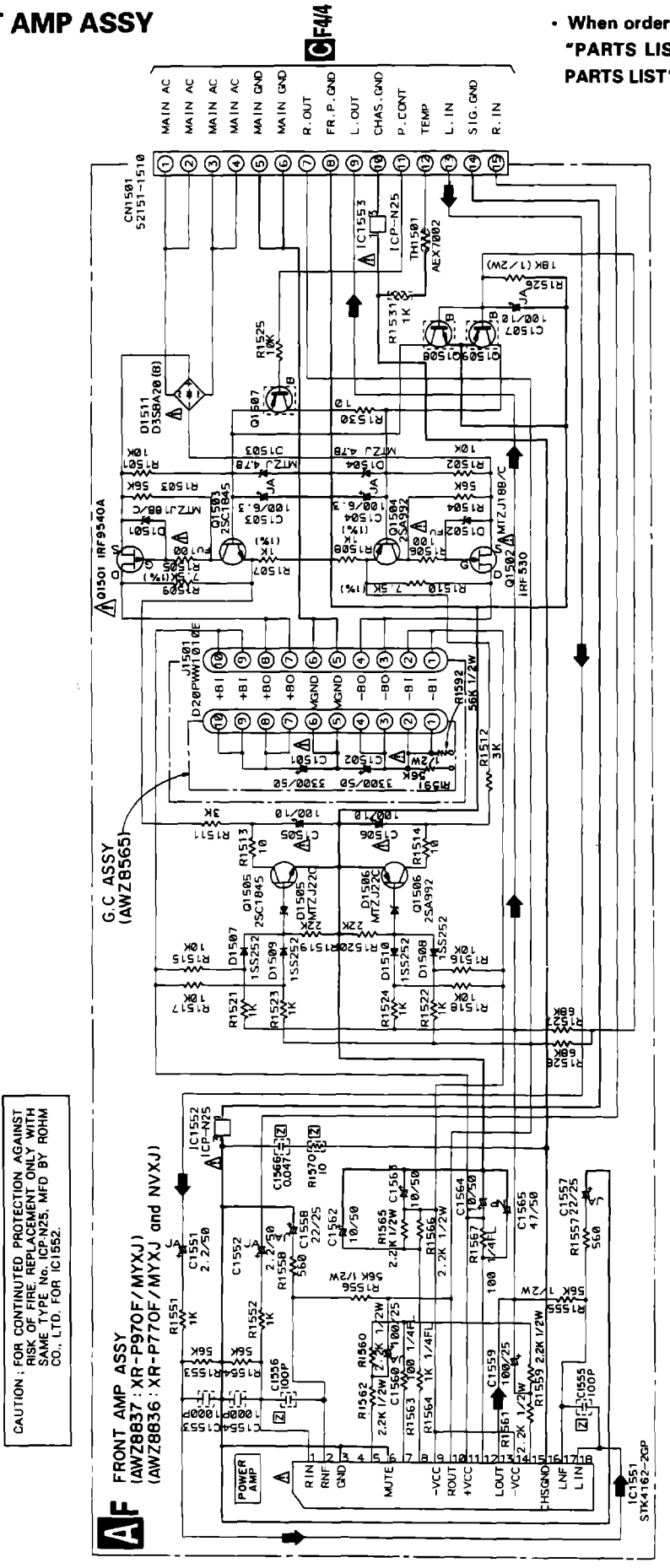
Mark	No.	Description	Parts No.
COILS AND FILTERS			
	L6106		ATC1003
	L6105		ATC1015
	L6101		ATC1016
	L6102		ATC1017
	L6103		ATC1018
	L6104		ATC1019
	L6107 (2.2μH)		ATH1043
	L6602 ,L6603		LAU220J
	L6206 ,L6208 ,L6605		LAU2R2J
	F6203		ATF-119
	F6206	(455KHz)	ATF7008
	F6601		ATF7009
	F6204		ATF7010
	F6202		ATF7011
TRANSFORMERS			
	T6201		ATB7008
	T6101		ATE7002
CAPACITORS			
	C6113 ,C6212 ,C6274 ,C6275 ,C6611		CCSQCH101J50
	C6116 ,C6208 ,C6221		CCSQCH150J50
	C6222		CCSQCH180J50
	C6271		CCSQCH200J50
	C6117		CCSQCH330J50
	C6608		CCSQCH680J50
	C6118		CCSQCH8R0D50
	C6111 ,C6122		CCSQCK1R0C50
	C6112 ,C6127		CCSQCK2R0C50
	C6105		CCSQSL471J50
	C6101		CCSQTH110J50
	C6119		CCSQTH150J50
	C6109		CCSQTH270J50
	C6107 ,C6110		CCSQTH300J50
	C6106		CCSQTH330J50
	C6234 ,C6235		CEAL1R0M50
	C6245		CEAL470M16
	C6224		CEAS100M50
	C6243		CEAS101M16
	C6231		CEAS1R0M50
	C6227		CEAS220M16
	C6236		CEAS2R2M50
	C6216		CEAS330M16
	C6262		CEAS3R3M50
	C6219		CEAS470M10
	C6244		CEAS470M16
	C6249 ,C6250 ,C6265 ,C6266		CEAS4R7M50
	C6258		CEJA470M16
	C6215		CFTXA103J50
	C6214		CFTXA224J50
	C6115 ,C6125 ,C6126 ,C6211 ,C6254		CKSQYB102K50
	C6601		CKSQYB102K50
	C6102 ,C6114 ,C6121 ,C6123 ,C6124		CKSQYB103K50
	C6210 ,C6213 ,C6237 ,C6267 ,C6276		CKSQYB103K50
	C6279 ,C6281 ,C6604		CKSQYB103K50

Mark	No.	Description	Parts No.
	C6251 ,C6252		CKSQYB123K50
	C6606 ,C6607		CKSQYB182K50
	C6203 ,C6259		CKSQYB223K50
	C6228		CKSQYB472K50
	C6209		CKSQYB473K50
	C6230		CKSQYB821K50
	C6218 ,C6223 ,C6255		CKSQYF103Z50
	C6220 ,C6226 ,C6242 ,C6256		CKSQYF223Z50
	C6225		CKSQYF473Z50
	C6610		CKSYB103K50
RESISTORS			
	R6602		RD1/4PU221J
	R6115 ,R6119 ,R6123 ,R6127 ,R6129		RS1/8S0R0J
	R6906 ,R6909 ,R6911		RS1/8S0R0J
	R6112		RS1/8S473J
	VR6201 (10KΩ)		RCP1045
	Other Resistors		RS1/10S□□□J
OTHERS			
	BN6202	2P TERMINAL WITH PAL	AKA7001
	X6202	CRYSTAL RESONATOR (456KHz)	ASS1066
	X6201	CRYSTAL RESONATOR (7.2000MHz)	ASS1093
	CN6201	14P SOCKET	KP200IA14L

3. SCHEMATIC DIAGRAM

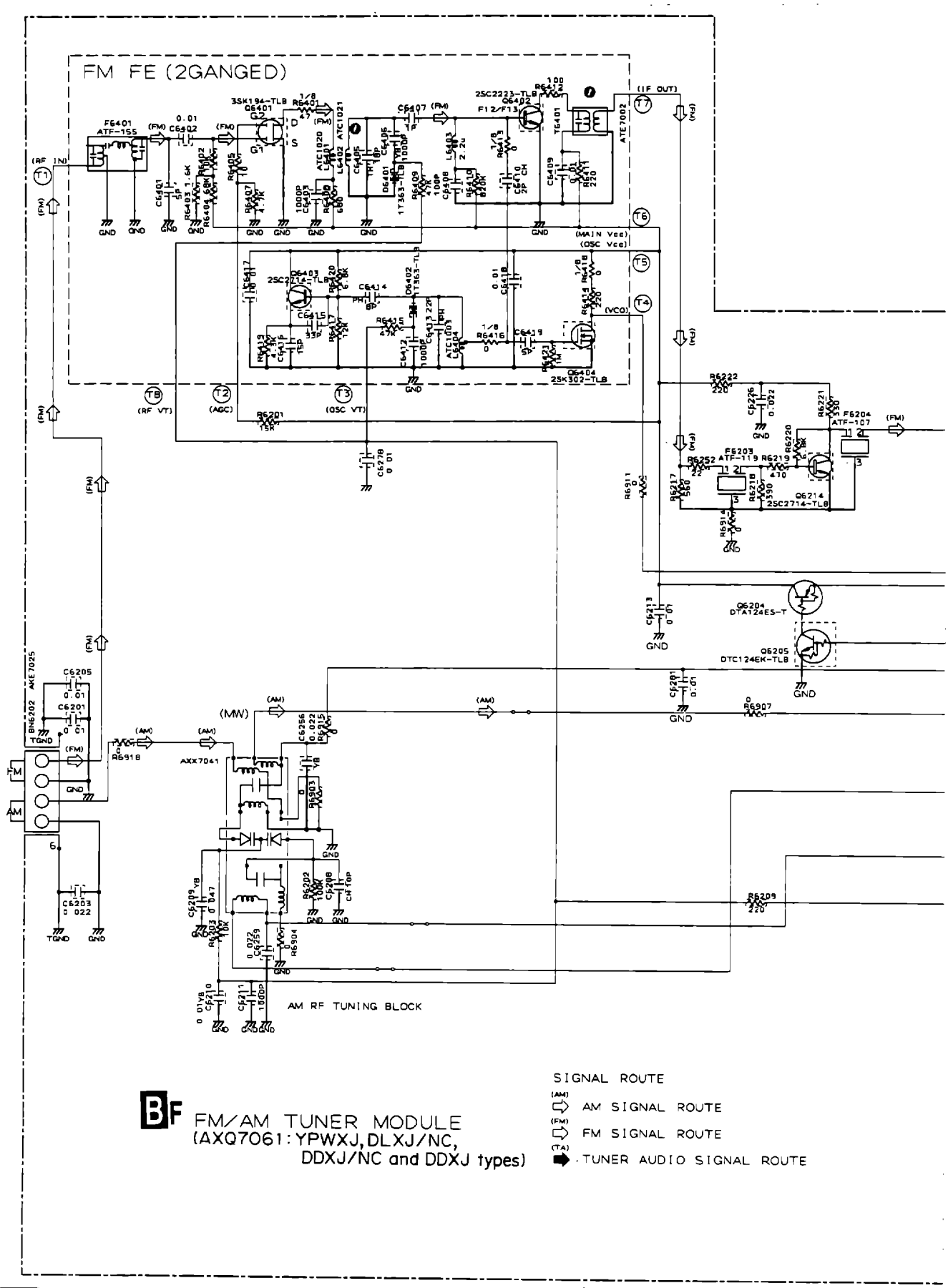
3.1 FRONT AMP ASSY

- **When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".**



3.2 FM/AM/ TUNER MODULE

● **AXQ7061 (for YPWXJ, DDXJ, DLXJ/NC and DDXJ/NC types)**

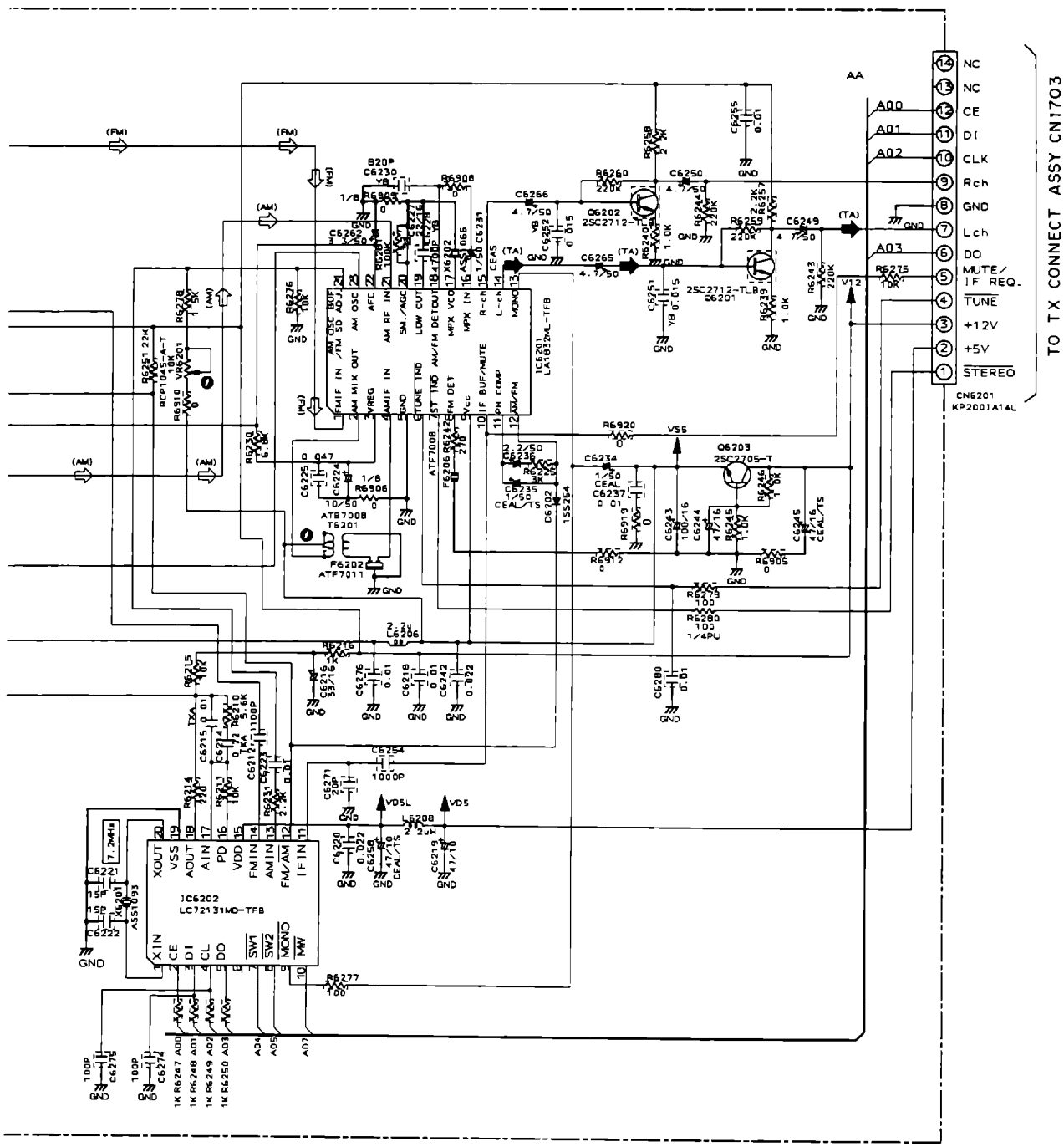


BF FM/AM TUNER MODULE
(AXQ7061: YPWXJ, DLXJ/NC, DDXJ/NC and DDXJ types)

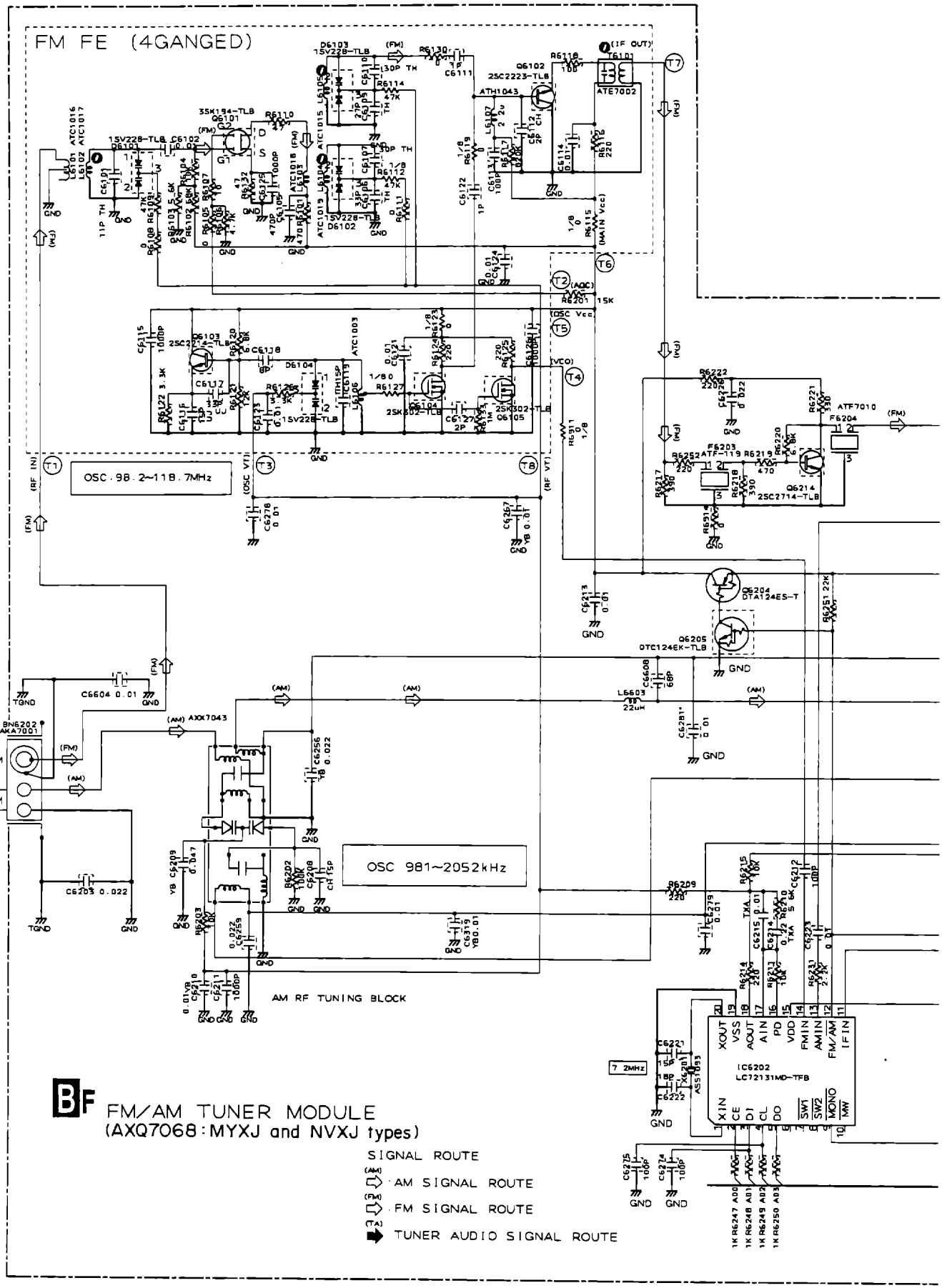
Notes

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.

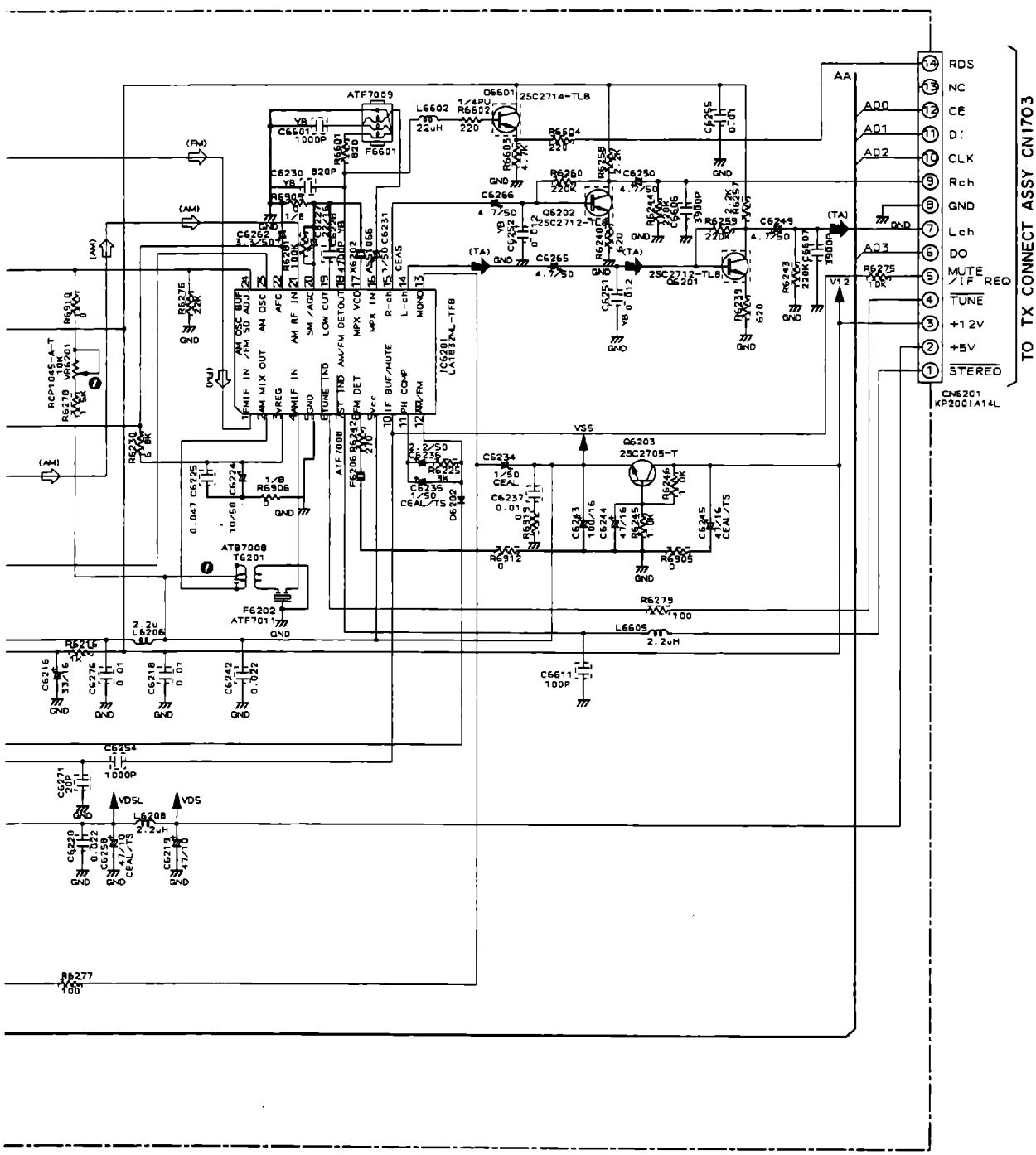


● AXQ7068 (for MYXJ and NVXJ types)



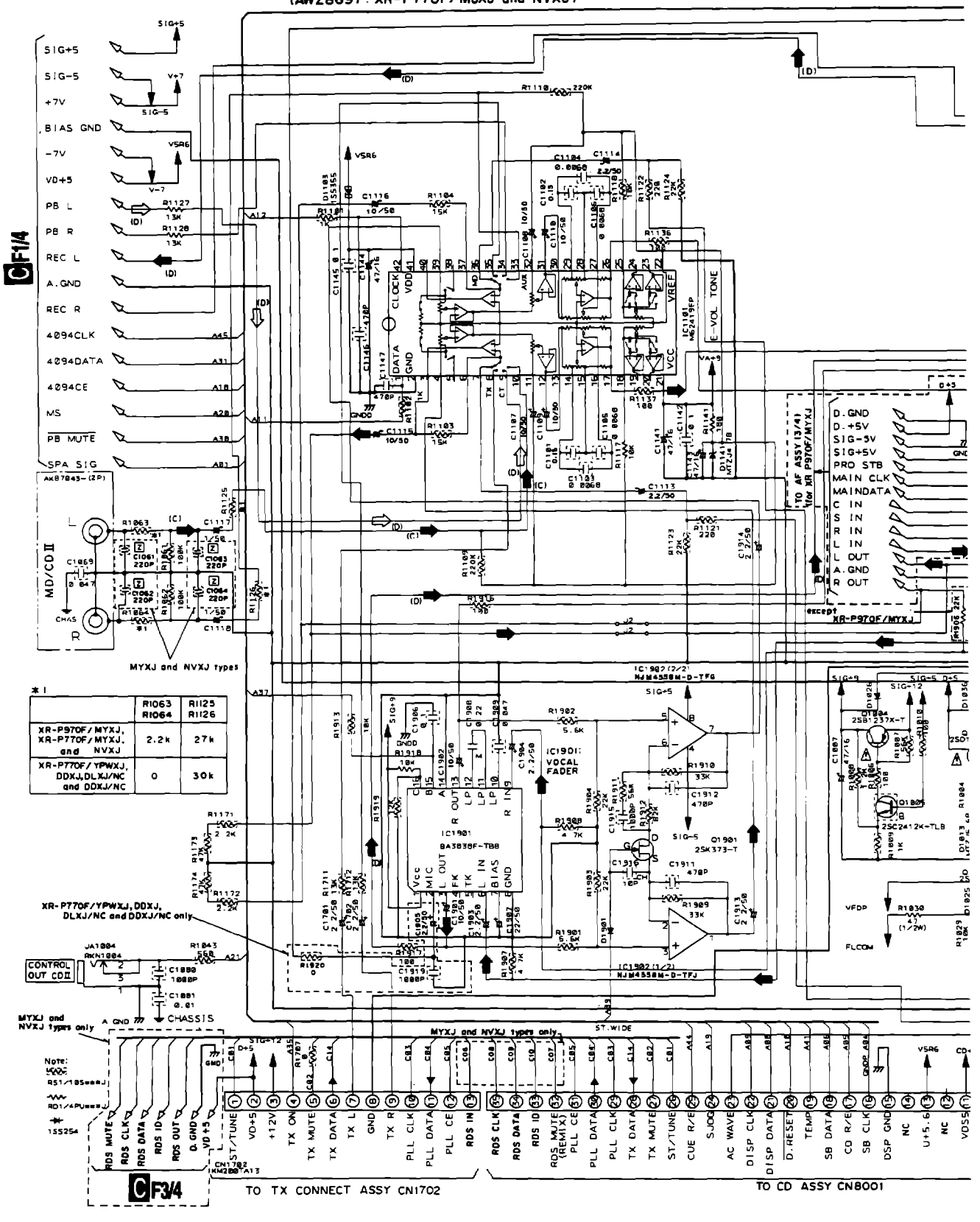
Notes

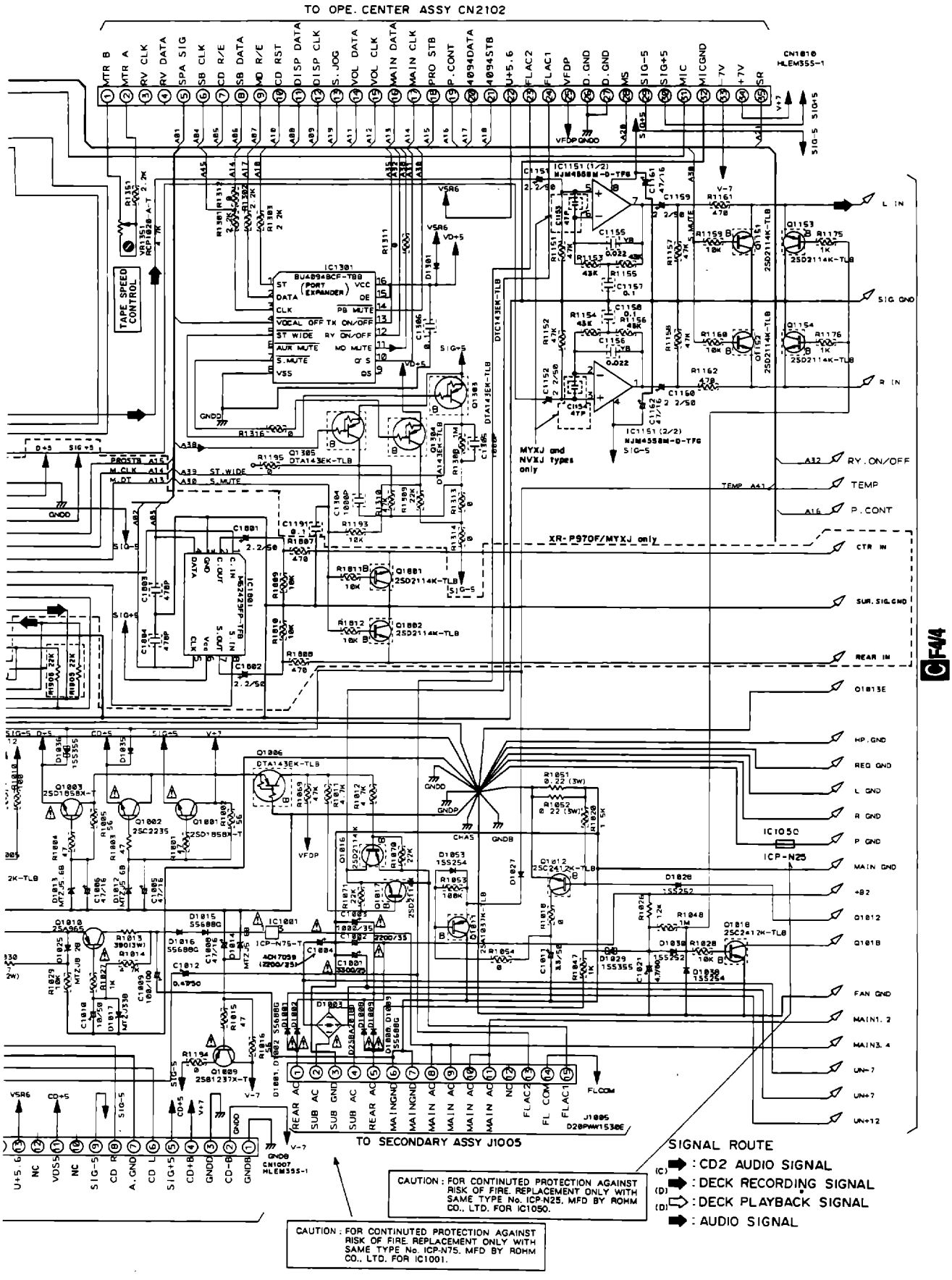
1. RESISTORS
   Indicated in Ω, 1/10W±5% Tolerance unless otherwise noted K·KΩ, M·MΩ.
2. CAPACITORS
   Indicated in Capacity(μF)/VOLTAGE(V) unless otherwise noted P·PF
3. DIODES
   No mark diode is 1SS254.



3.3 AF ASSY (2/4)

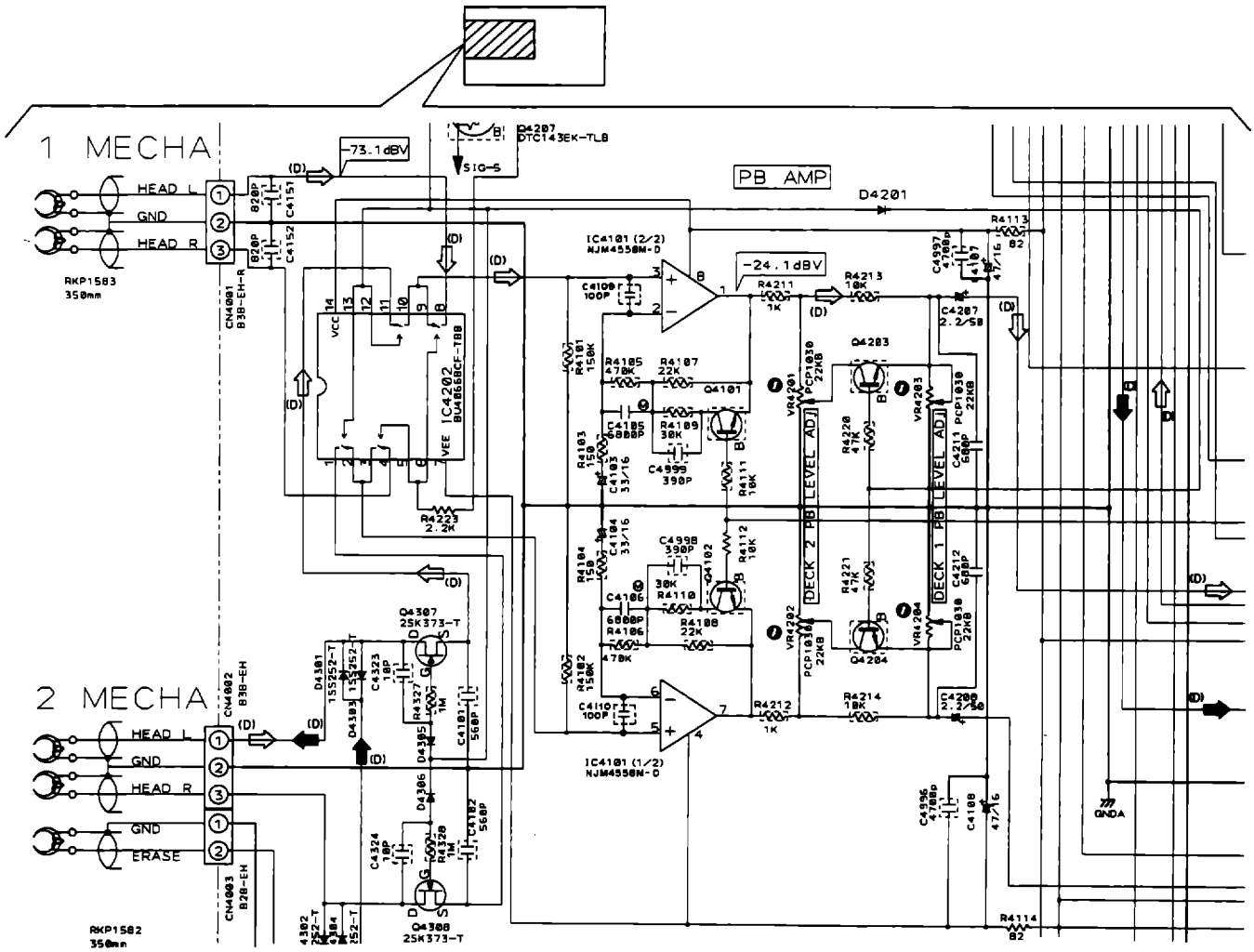
CF AF ASSY (2/4)
(AWZ8421 : XR-P970F/MYXJ)
(AWZ8828 : XR-P770F/YPWXJ)
(AWZ8419 : XR-P770F/DDXJ, DLXJ/NC and DDXJ/NC)
(AWZ8697 : XR-P770F/MJXJ and NVXJ)



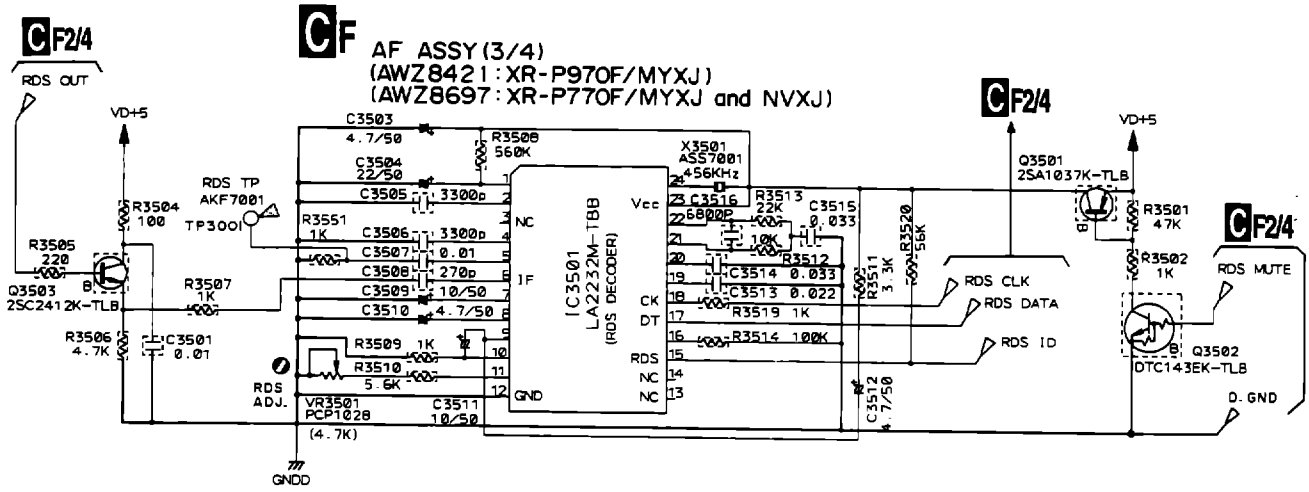

TO OPE. CENTER ASSY CN2102
CN1010 HLEM355-1
TAPE SPEED CONTROL
IC1301 BU4894CF-TBB (PORT EXPANDER)
IC1151 (1/2) NJM4558M-D-TPE
IC1151 (2/2) NJM4558M-D-TPE
MYXJ and NVXJ types only
SIG-S
L IN
SIG GND
R IN
RY.ON/OFF
TEMP
P.CONT
XR-P970F/MYXJ only
CTR IN
SUR. SIG GND
REAR IN
HP.GND
REG GND
L GND
R GND
P GND
MAIN GND
+B2
FAN GND
MAIN1. 2
MAIN3. 4
UN-7
UN+7
UN+12
IC1050
ICP-N25
CF4/4
TO SECONDARY ASSY J1005
CN1007 HLEM355-1
SIGNAL ROUTE
(C) : CD2 AUDIO SIGNAL
(D) : DECK RECORDING SIGNAL
(D) : DECK PLAYBACK SIGNAL
: AUDIO SIGNAL
CAUTION : FOR CONTINUTED PROTECTION AGAINST RISK OF FIRE. REPLACEMENT ONLY WITH SAME TYPE No. ICP-N25. MFD BY ROHM CO., LTD. FOR IC1050.
CAUTION : FOR CONTINUTED PROTECTION AGAINST RISK OF FIRE. REPLACEMENT ONLY WITH SAME TYPE No. ICP-N75. MFD BY ROHM CO., LTD. FOR IC1001.

3.4 AF ASSY (1/4) AND AF ASSY (3/4)

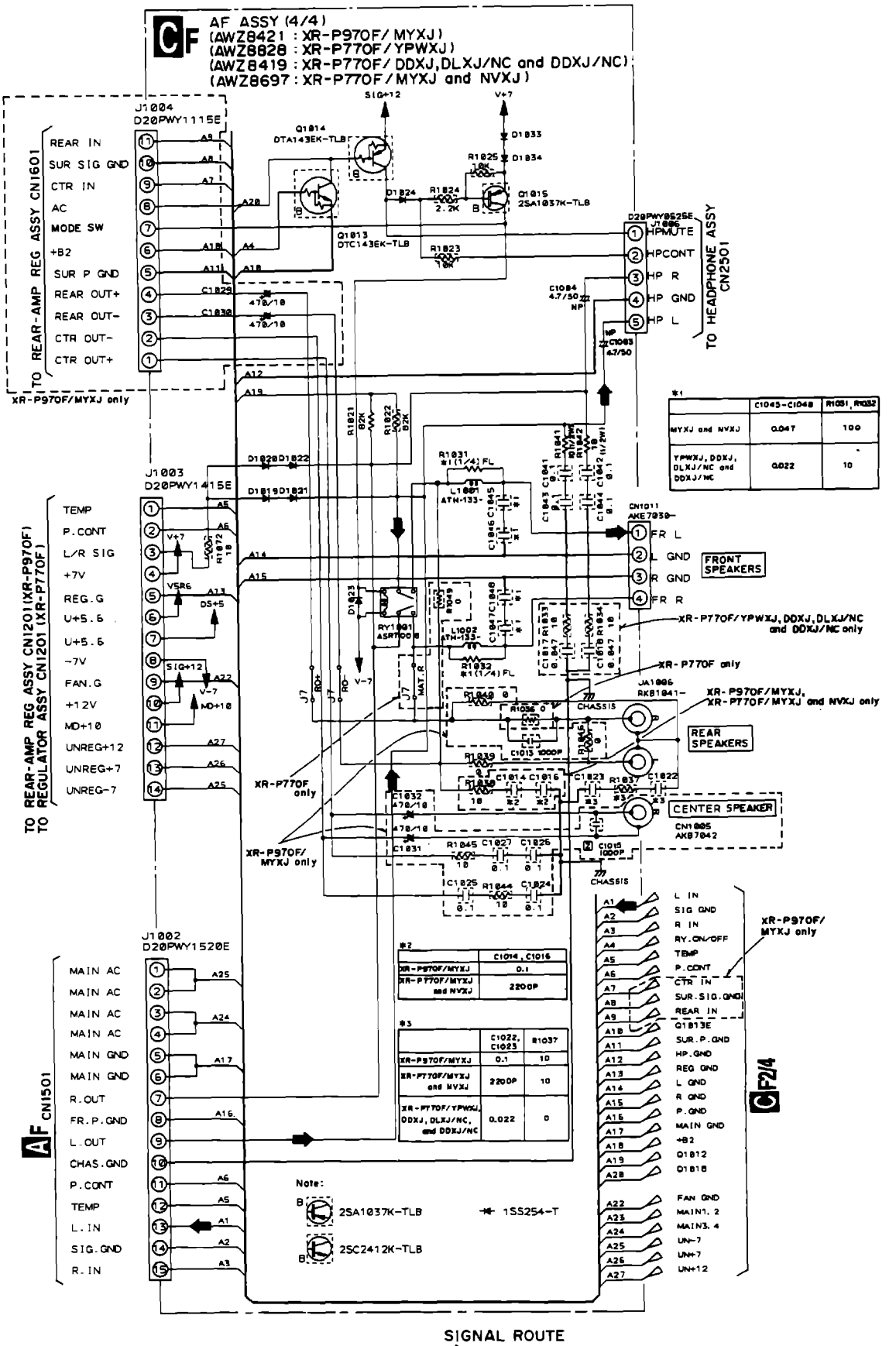
CF AF ASSY (1/4)
(AWZ8421 : XR-P970F/MYXJ)
(AWZ8697 : XR-P770F/MYXJ and NVXJ)



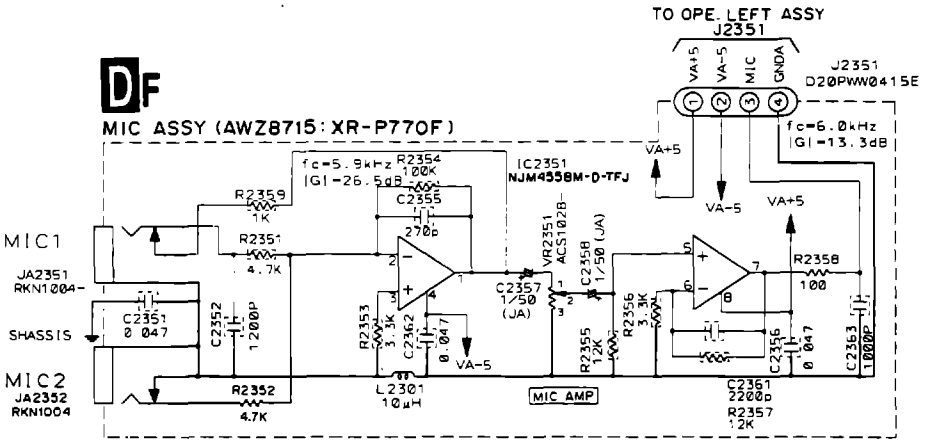
CF AF ASSY (3/4)
(AWZ8421 : XR-P970F/MYXJ)
(AWZ8697 : XR-P770F/MYXJ and NVXJ)



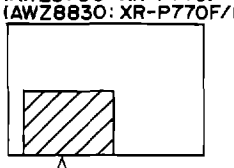
3.5 AF ASSY (4/4)


CF AF ASSY (4/4)
(AWZ8421 : XR-P970F/MYXJ)
(AWZ8628 : XR-P770F/YPWXJ)
(AWZ8419 : XR-P770F/DDXJ,DLXJ/NC and DDXJ/NC)
(AWZ8697 : XR-P770F/MYXJ and NVXJ)
TO REAR-AMP REG ASSY CN1601
REAR IN
SUR SIG GND
CTR IN
AC
MODE SW
+B2
SUR P GND
REAR OUT+
REAR OUT-
CTR OUT-
CTR OUT+
XR-P970F/MYXJ only
TO HEADPHONE ASSY CN2501
HPMUTE
HPCONT
HP R
HP GND
HP L
TO REAR-AMP REG ASSY CN1201 (XR-P970F)
TO REGULATOR ASSY CN1201 (XR-P770F)
TEMP
P.CONT
L/R SIG
+7V
REG.G
U+5.6
U+5.6
-7V
FAN.G
+12V
MD+10
UNREG+12
UNREG+7
UNREG-7
FRONT SPEAKERS
FR L
L GND
R GND
FR R
XR-P770F/YPWXJ, DDXJ, DLXJ/NC and DDXJ/NC only
XR-P770F only
XR-P970F/MYXJ, XR-P770F/MYXJ and NVXJ only
REAR SPEAKERS
CENTER SPEAKER
XR-P770F only
XR-P970F/MYXJ only
AF CN1501
MAIN AC
MAIN AC
MAIN AC
MAIN AC
MAIN GND
MAIN GND
R.OUT
FR.P.GND
L.OUT
CHAS.GND
P.CONT
TEMP
L.IN
SIG.GND
R.IN
L IN
SIG GND
R IN
RY.ON/OFF
TBMP
P.CONT
CTR IN
SUR.SIG.GND
REAR IN
Q1813E
SUR.P.GND
HP.GND
REG GND
L GND
R GND
P.GND
MAIN GND
+B2
Q1812
Q1818
FAN GND
MAIN1, 2
MAIN3, 4
UN-7
UN+7
UN+12
CF2/4
Note:
2SA1037K-TLB
2SC2412K-TLB
1SS254-T
SIGNAL ROUTE
: AUDIO SIGNAL

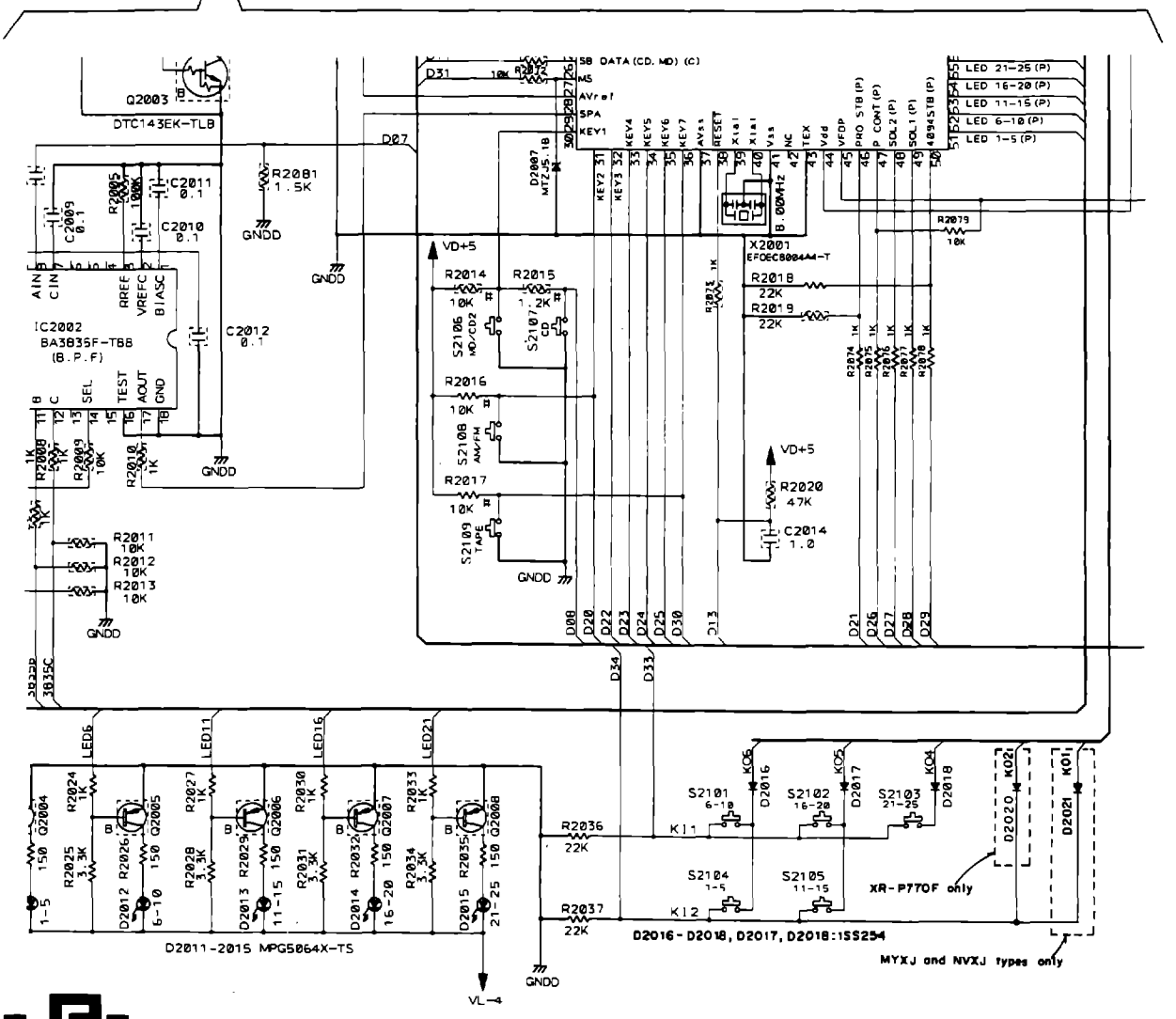
3.6 MIC ASSY AND CD DOOR ASSY



EF CD DOOR ASSY
(AWZ8829: XR-P970F/MYXJ)
(AWZ8706: XR-P770F/YPWXJ, DDXJ, DLXJ/NC and DDXJ/NC)
(AWZ8830: XR-P770F/MYXJ and NVXJ)



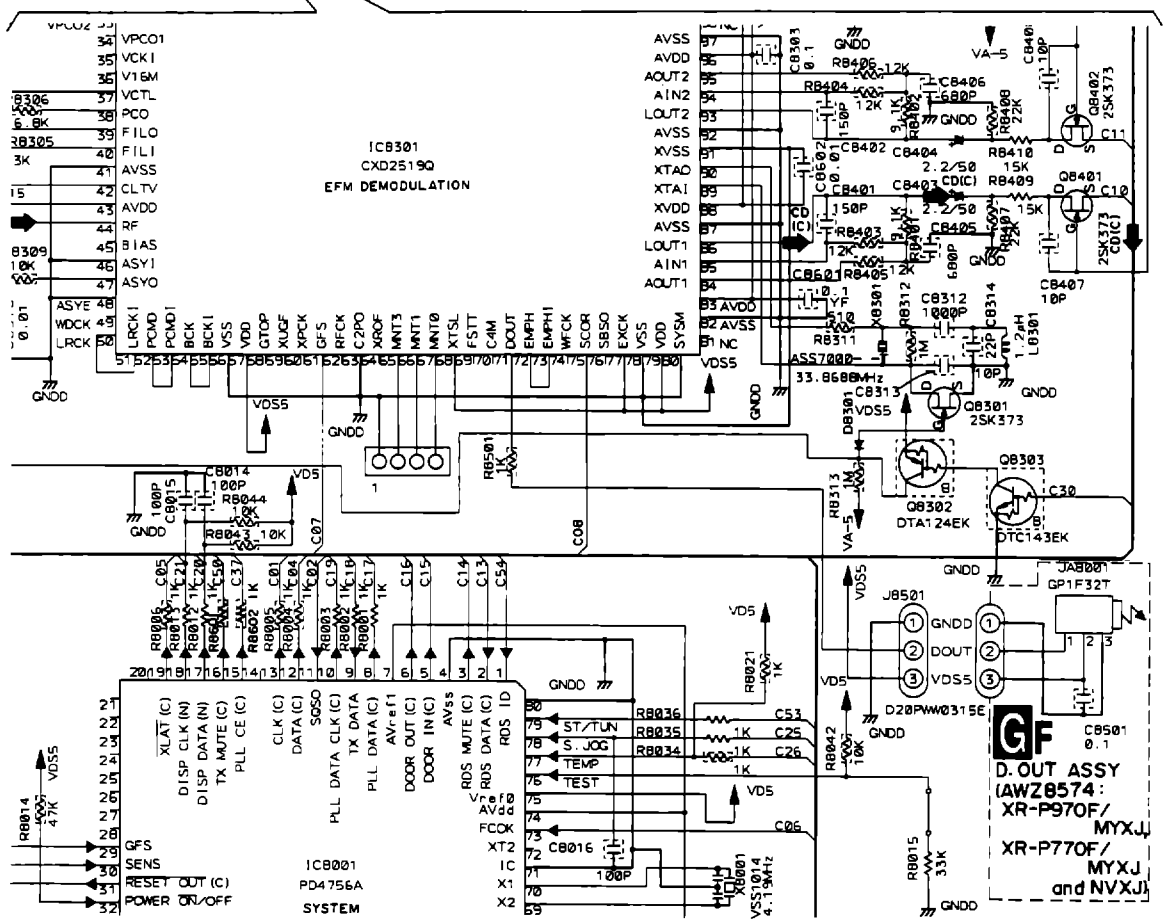
• For the schematic diagram, only the differences compared with XR-P970F/YPW.

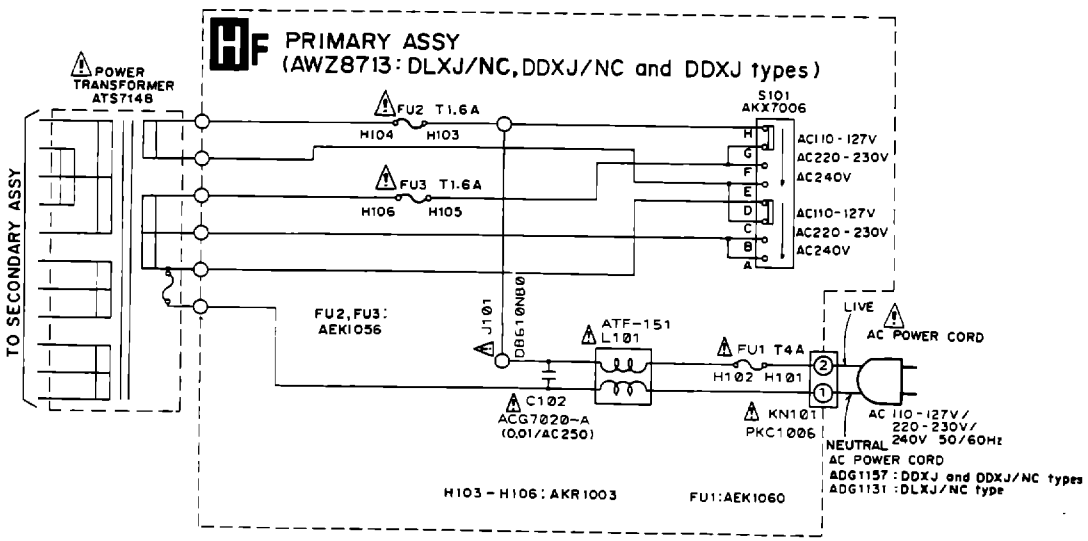


3.7 CD ASSY, D. OUT ASSY AND PRIMARY ASSY

FF CD ASSY (AWZ8752 : XR-P970F/MYXJ, XR-P770F/MYXJ and NVXJ)

• For the schematic diagram, only the differences compared with XR-P970F/YPW.





● NOTE FOR FUSE REPLACEMENT

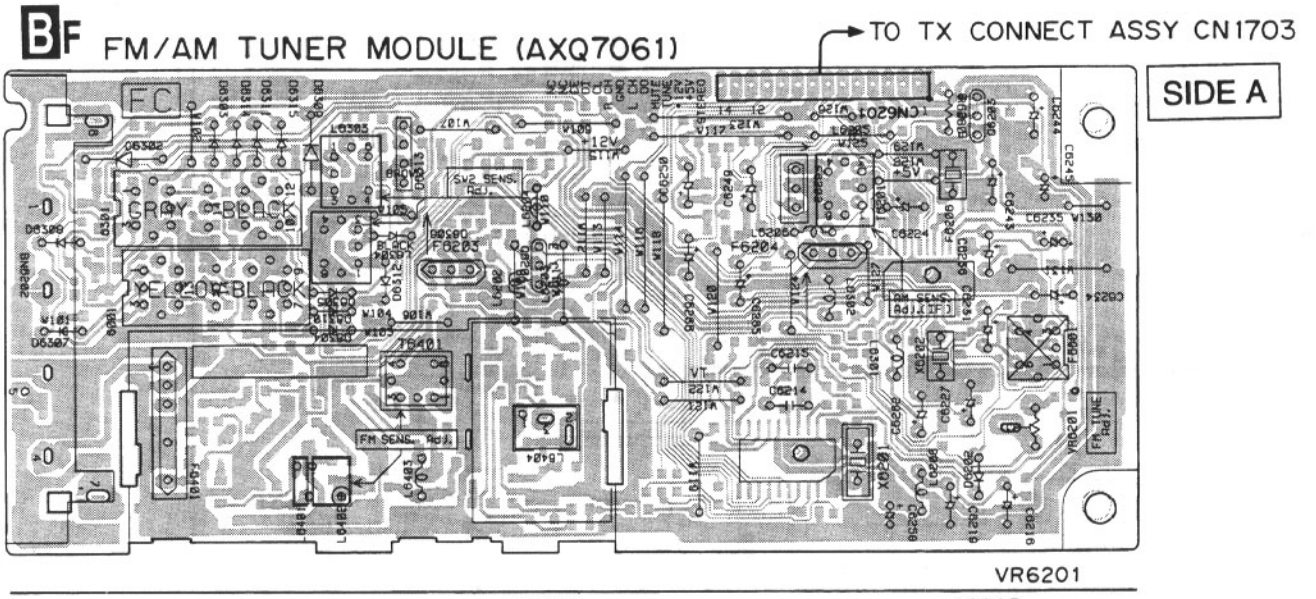
CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.

4. PCB CONNECTION DIAGRAM

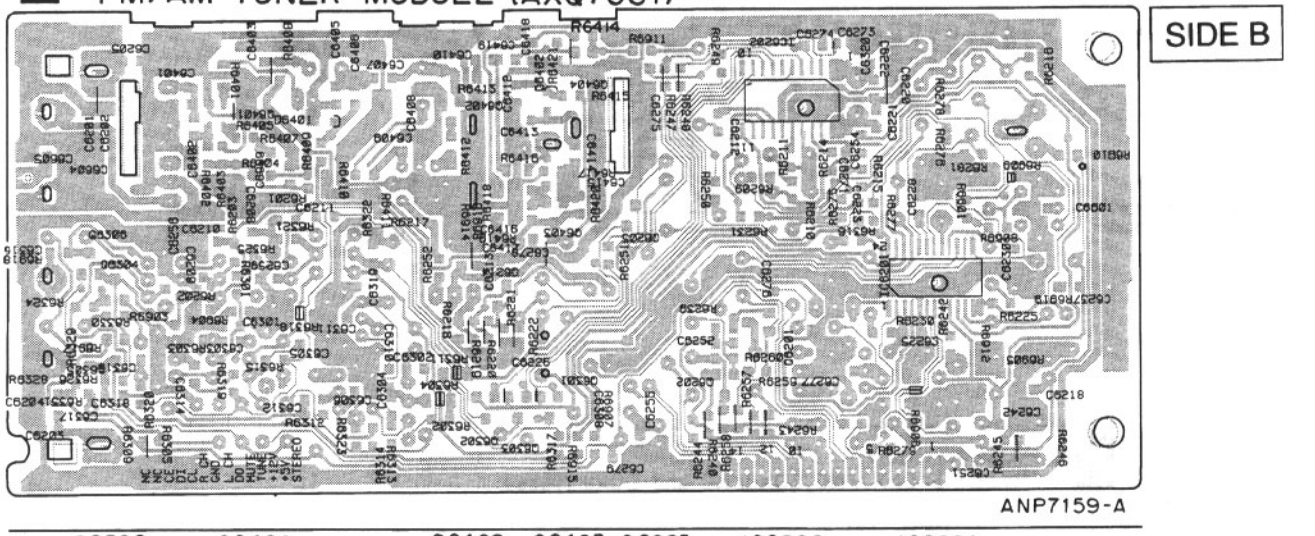
4.1 FM/AM TUNER MODULE

● **AXQ7061 (for YPWXJ, DDXJ, DLXJ/NC and DDXJ/NC types)**

BF FM/AM TUNER MODULE (AXQ7061)



BF FM/AM TUNER MODULE (AXQ7061)



NOTE FOR PCB DIAGRAMS:

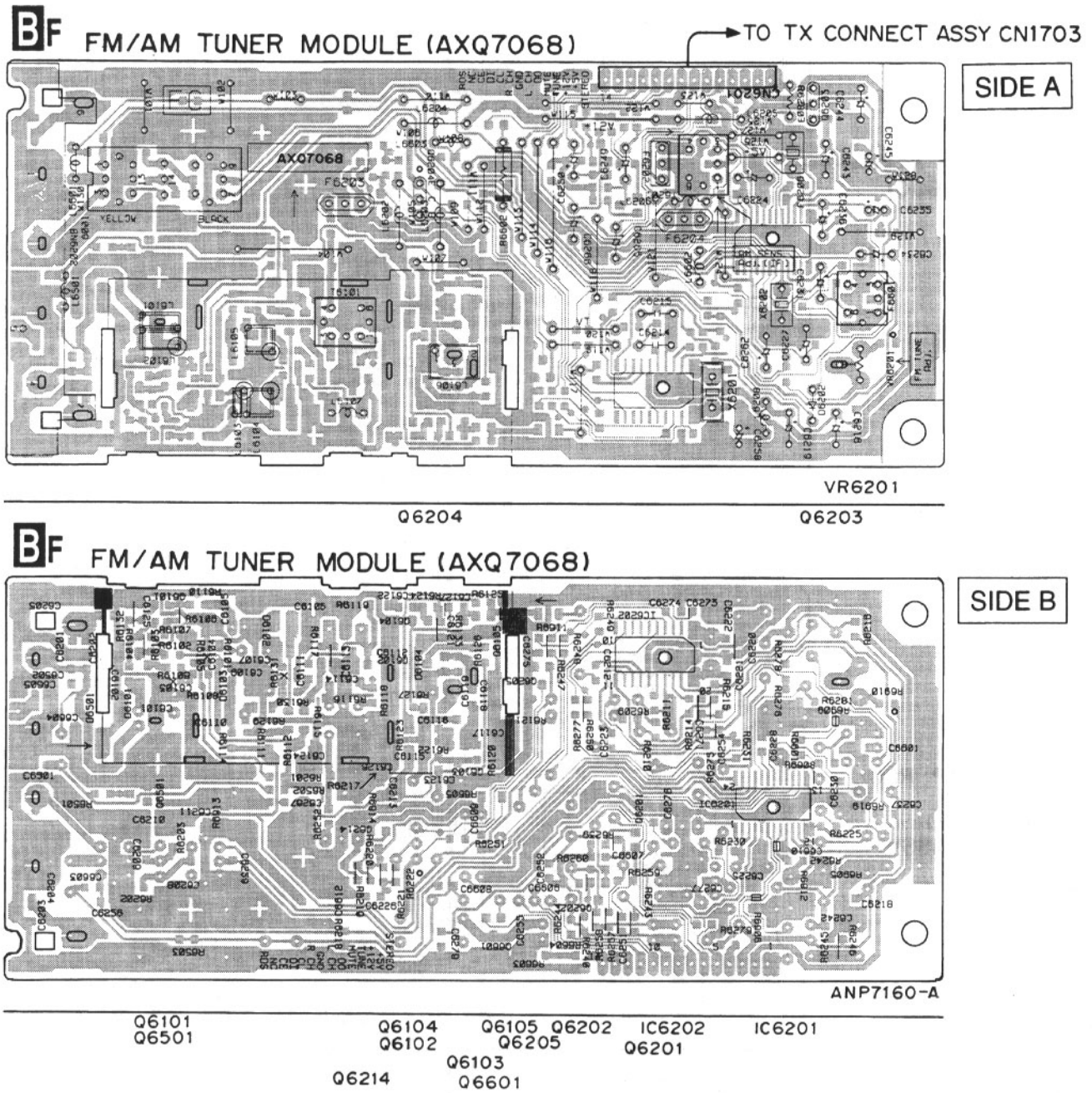
1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
B C E	B C E B C E	Transistor
B C E	B C E B C E	Transistor with resistor
D G S	D G S D G S	Field effect transistor

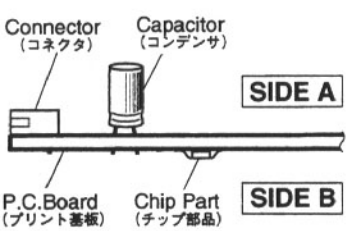
		Resistor array
		3-terminal regulator

3. The parts mounted on this PCB include all necessary parts for several destinations. For further infromation for respective destinations, be sure to check with the schematic diagram.

● **AXQ7068 (for MYXJ and NVXJ types)**

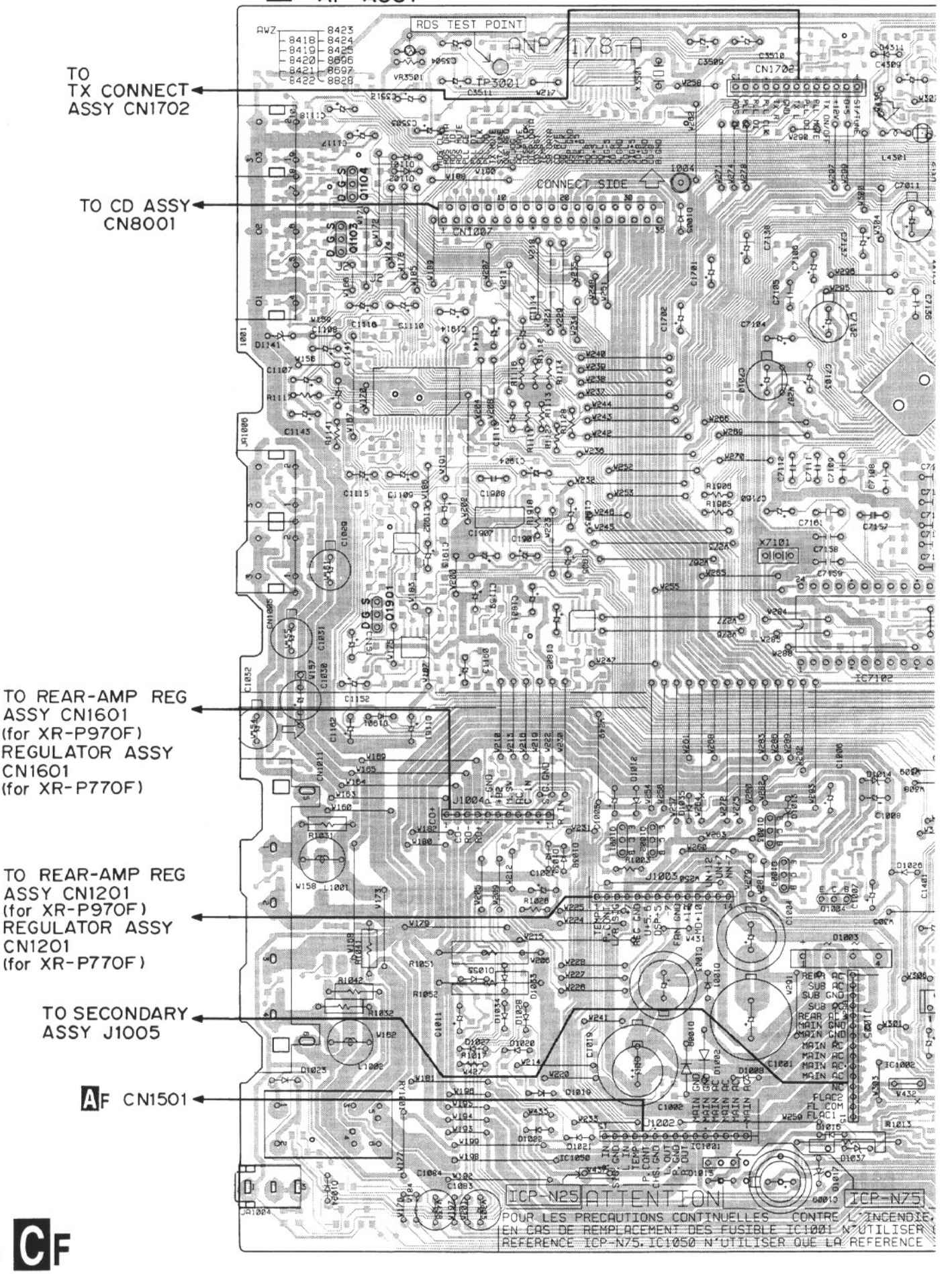


4. Viewpoint of PCB diagrams

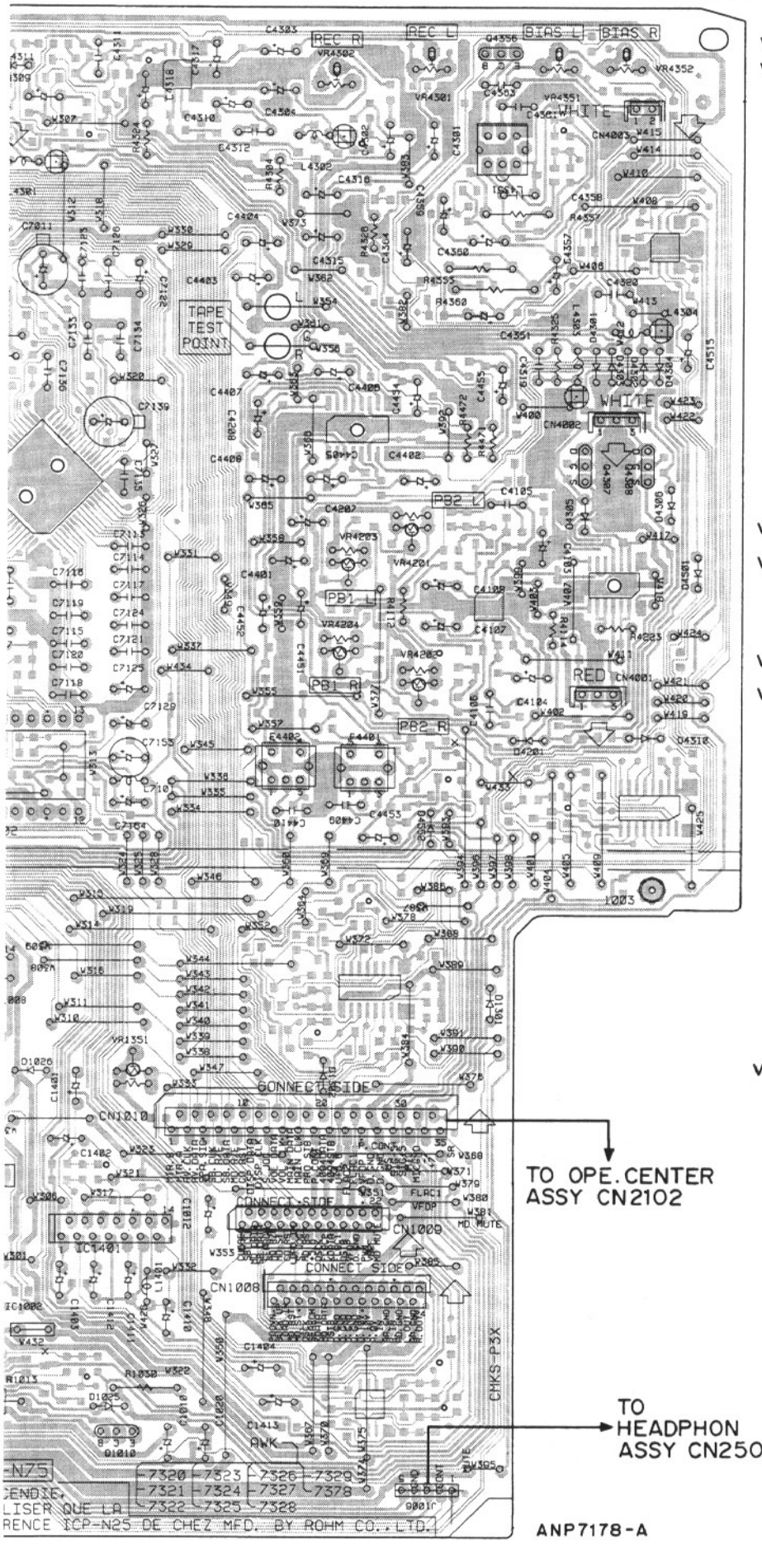


4.2 AF ASSY

CF AF ASSY



SIDE A



VR3501 VR4301 VR4351 Q4356
VR4302 VR4352

Q1104

Q1103

Q4307 Q4308

VR4201
VR4203

VR4204
VR4202

Q1901
IC7102

Q1003
Q1001 Q1002

VR1351

Q1009
Q1004

TO OPE.CENTER ASSY CN2102

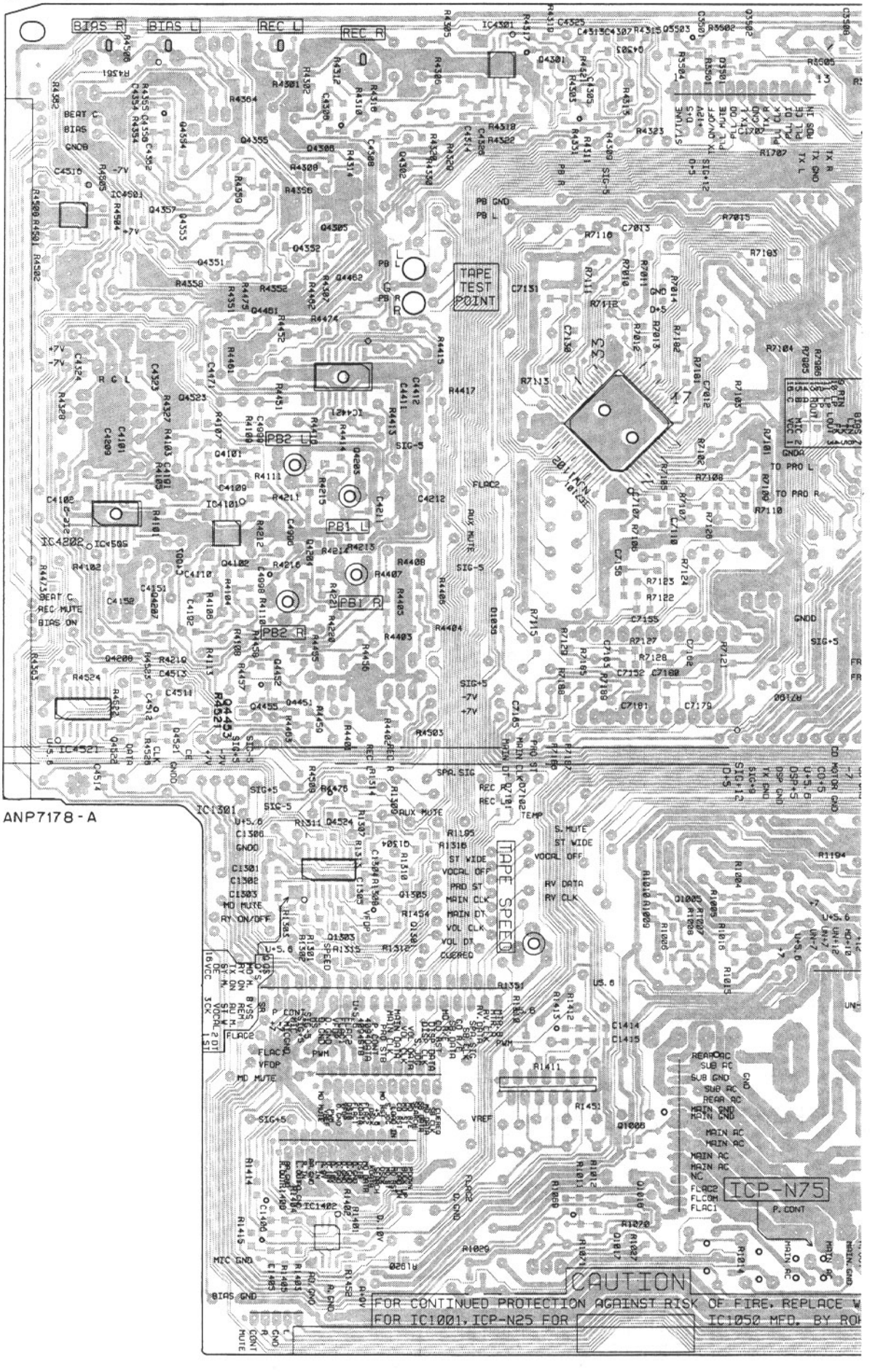
IC1401

IC1002

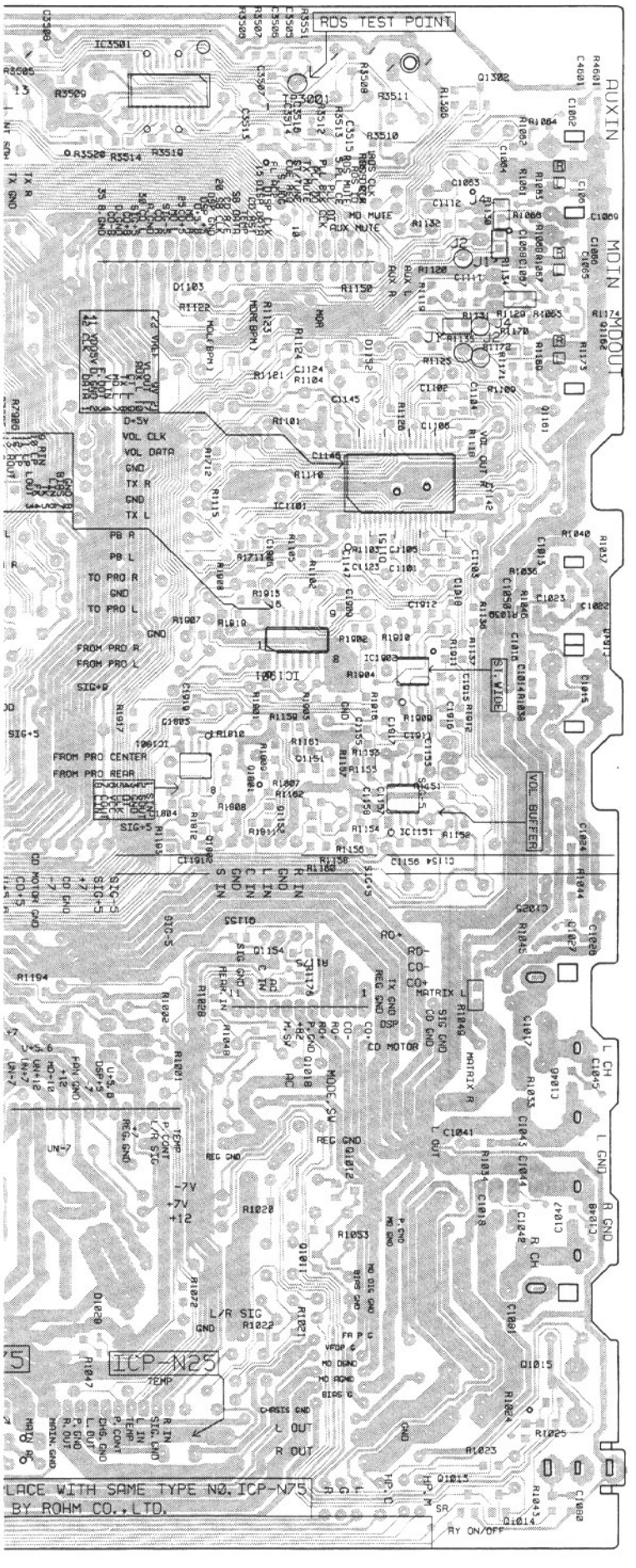
TO HEADPHON ASSY CN2501

IC1001 Q1010
IC1050

CF AF ASSY


BIAS R
BIAS L
REC L
REC R
TAPE TEST POINT
TAPE SPEED
PB2 L
PB1 L
PB1 R
PB2 R
ANP7178-A
ICP-N75
CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE W
FOR IC1001, ICP-N25 FOR
IC1050 MFD. BY ROH

SIDE B



Q4303 Q3501 Q1302
IC4301 Q4301 IC3501

Q4354 Q4355
Q4306 Q4308
Q4302

IC4501 Q4353 Q4305
Q4352
Q4351
Q4462
Q1162
Q4461

Q1161
IC4421

Q4523
IC7101 IC1101

Q4101 Q4203

IC4202 IC4101

Q4102 Q4204 IC1901
IC1902

Q4207

Q4208 Q4452 IC1801 Q1801
IC4521 Q4453 Q4455 Q4451
Q4522 Q4521 Q1152 IC1151
Q1802

Q1153
Q4524 Q1154
Q1304
IC1301

Q1305 Q1005

Q1303 Q1301 Q1018

Q1012

Q1011
Q1006

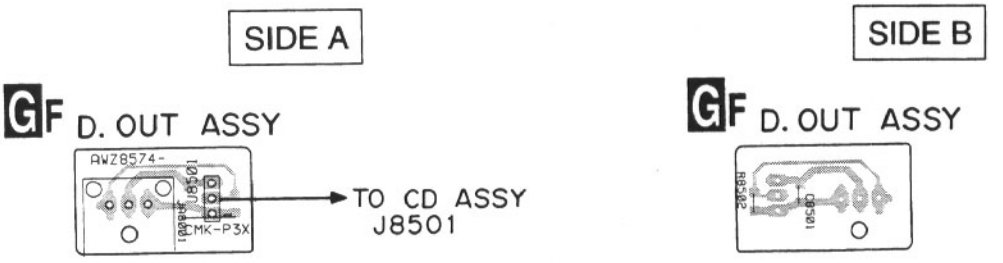
Q1016 Q1015

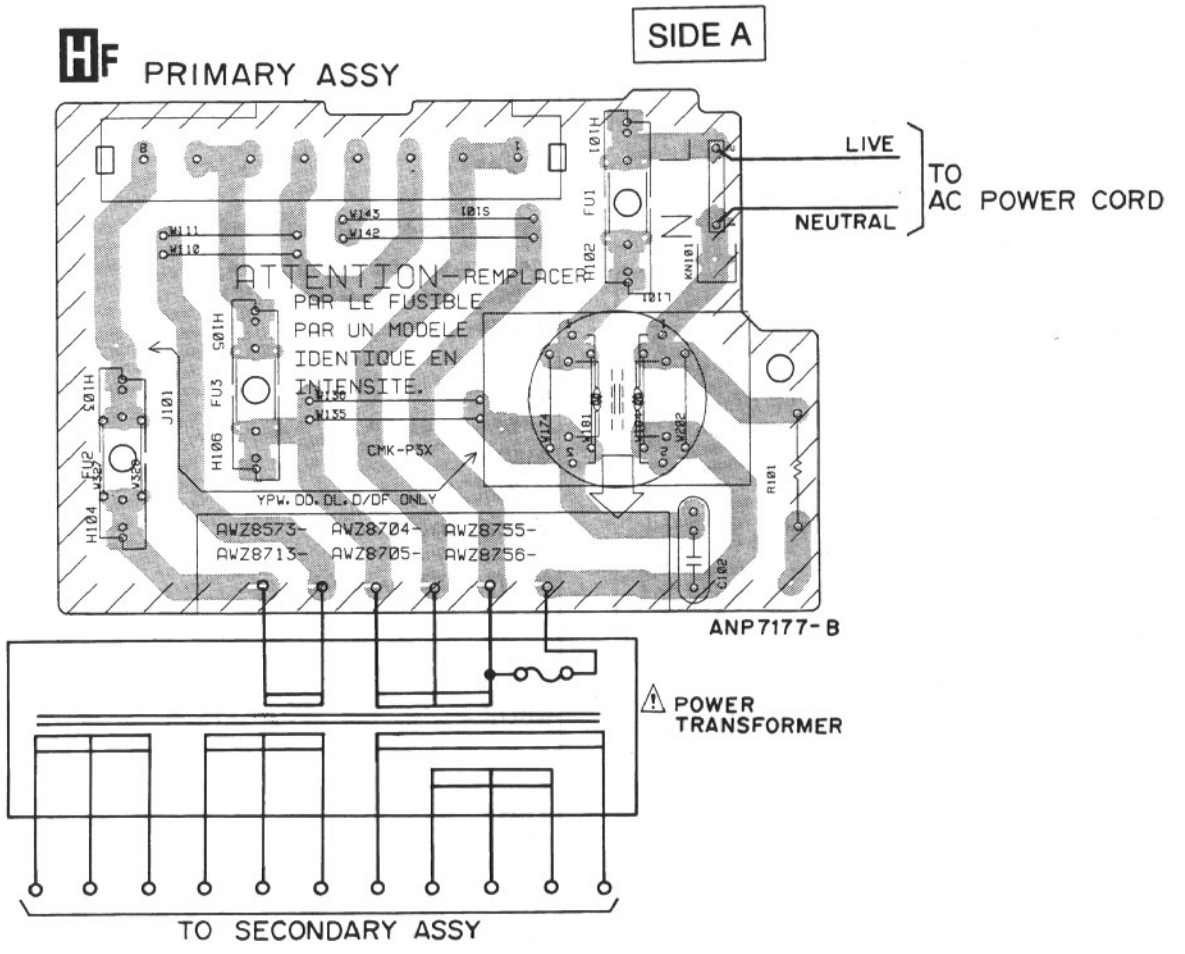
IC1402
Q1017

Q1013

Q1014

4.3 D. OUT ASSY AND PRIMARY ASSY





5. ADJUSTMENT

5.1 TUNER SECTION

■ FM Tuner Section

- **Set the mode selector to FM BAND.**
- **Connect the wiring as shown in Fig. 1–1.**
- **For YPWXJ, DDXJ, DDXJ/NC and DLXJ/NC types (AXQ7061)**

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

- **For MYXJ and NVXJ types (AXQ7068)**

Step No.	Adjustment Title	FM SG (1kHz, ±75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dBμV)			
1	Front End Sensitivity	106	0-30	106MHz	L6104 L6105 L6102 T6101	Adjust so that the DC voltage between the IC6201-Pin 20 becomes at maximum level.
2	Stereo Distortion	98 (ON STEREO)	80	98MHz	T6101	Minimize the distortion with 1/8 rotation of the core.
3	TUNED IND. Lighting Level	98	18±2	98MHz	VR6201	Adjust so that the indicator of TUNED IND. starts to light up.

Notes:

- *Before adjusting, make sure there is no gap between L6101 and L6102 as well as between L6103 and L6104. 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. 1–1.**

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

*1: For the area using 10kHz step, frequencies should be 1000kHz

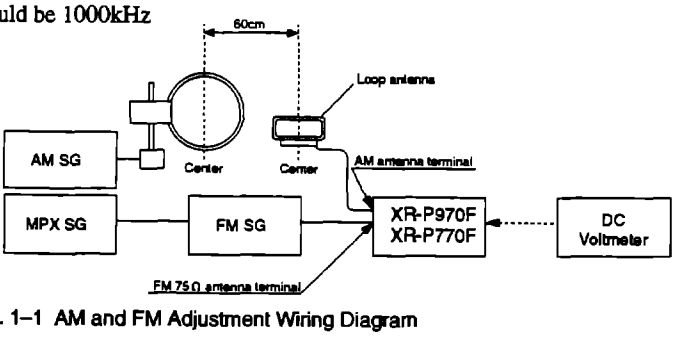


Fig. 1–1 AM and FM Adjustment Wiring Diagram

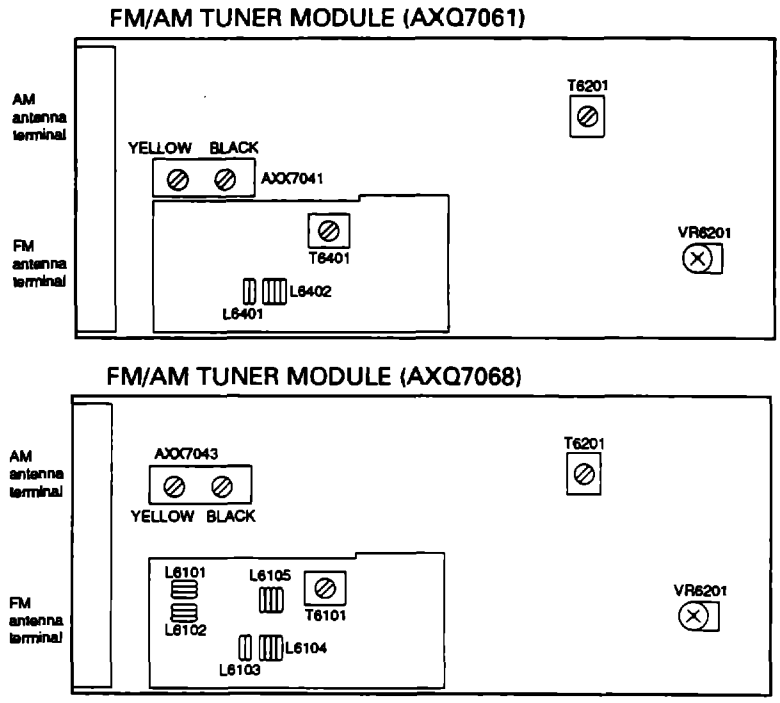


Fig. 1-2 Adjustment Points

5.2 RDS ADJUSTMENT

- **Setting the RDS-Signal generator (*1)**
- **Set the mode selector to FM BAND.**
- **Connect the wiring as shown in Fig. 1-3.**

*Note *1: Audio Main 1 kHz, 85% Pilot 10% RDS 1.6% SK 4.7%.*

Step No.	Adjustment Title	AM SG (400Hz, 30% Mod.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dBμV)			
1	RDS (BPF) Level	88	60	88 MHz	VR3501	Adjust so that the Waveform of TP3001 (RDS test point) becomes at maximum. (Photo 1)

Notes:

●*Entry into RDS mode is done by switching to the FM band and entering an RDS signal from FM (RDS) SG to the FM 75 Ω antenna terminal.*

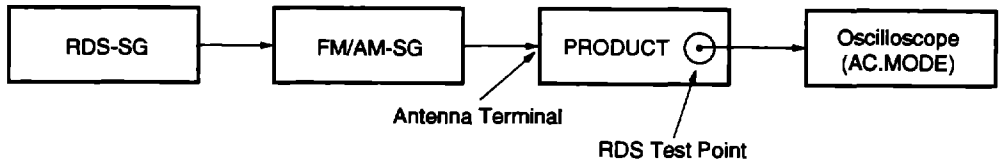


Fig. 1-3 RDS Adjustment Wiring Diagram

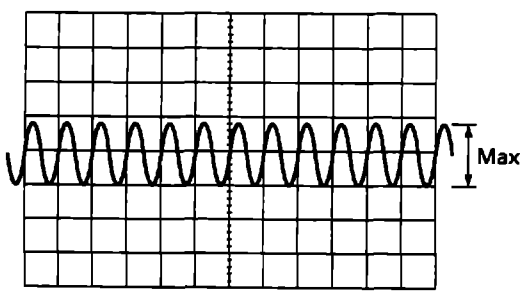


Photo 1

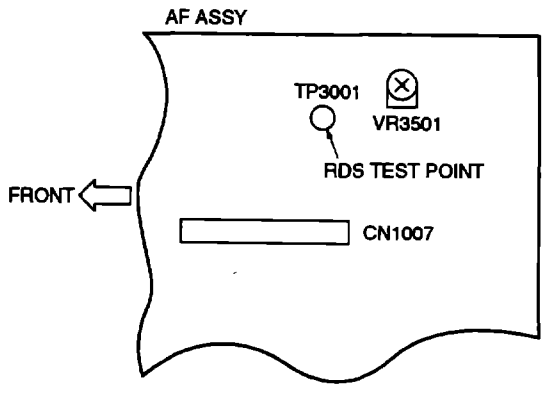


Fig. 1-4 Adjustment Points