PIONEER
The Art of Entertainment

Service Manual

ORDER NO.
RRV1621

STEREO FILE-TYPE CD CASSETTE DECK RECEIVER

XR-J2500F

● **Refer to the service manual RRV1549 for XR-J2500F.**

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-J2500F		
NVXJ	O	AC230V	———
MYIXJ	O	AC220 – 230V	———
MYXJ/EA	O	AC220 – 230V	———
MYXJ/EB	O	AC220 – 230V	———
YPWXJ	O	AC240V	———
DDXJ	O	AC110 – 127V/220 – 230V/240V	With the voltage selector
DDXJ/NC	O	AC110 – 127V/220 – 230V/240V	With the voltage selector

CONTENTS

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T-FFY MAY. 1996 Printed in Japan

1. SAFETY INFORMATION

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

ADVERSEL:
USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSAETTELSE 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.

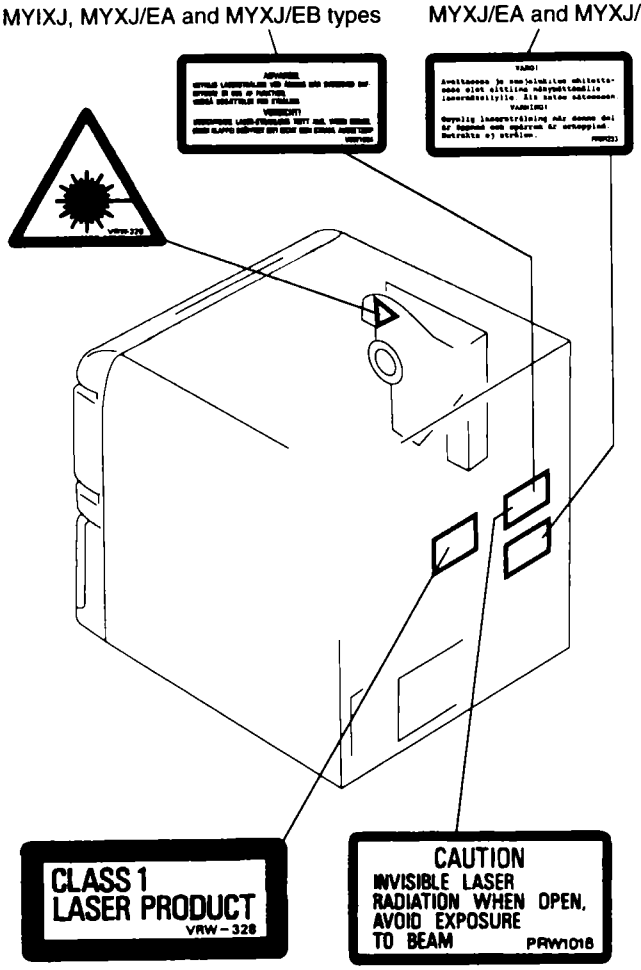
LASER DIODE CHARACTERISTICS
MAXIMUM OUTPUT POWER: 5 mw
WAVELENGTH: 780-785 nm

LASER
Picture 1
Warning sign for laser radiation

LABEL CHECK (for NVXJ, MYIXJ, MYXJ/EA, MYXJ/EB and YPWXJ types)

MYIXJ, MYXJ/EA and MYXJ/EB types

MYXJ/EA and MYXJ/EB types



YPWXJ and NVXJ types

Additional Laser Caution

1. Laser Interlock Mechanism
   The position of the switch (S601) for detecting loading state is detected by the system microprocessor, and the design prevents laser diode oscillation when the switch (S601) 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 (S601) is deliberatery 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 52 in the service manual RR1549.*

2. CONTRAST OF MISCELLANEOUS PATS

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%).

560Ω	→	*56 × 10¹* → *561*	.....	*RD1/4PU[5][6][1]J*
47kΩ	→	*47 × 10³* → *473*	.....	*RD1/4PU[4][7][3]J*
0.5Ω	→	*0R5*	.....	*RN2H[0][R][5]K*
1Ω	→	*1R0*	.....	*RS1P[1][R][0]K*

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

5.62kΩ	→	*562 × 10¹* → *5621*	.....	*RN1/4PC[5][6][2][1]F*

■ CONTRAST OF NVXJ, MYIXJ, MYXJ/EA, MYXJ/EB, YPWXJ, DDXJ AND DDXJ/NC TYPES

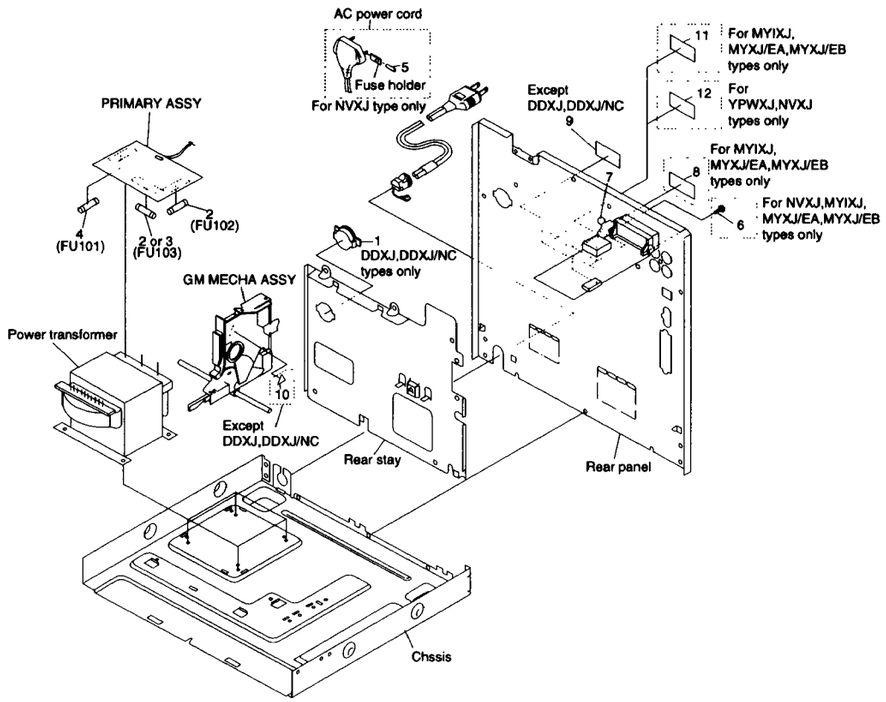
NVXJ, MYIXJ, MYXJ/EA, MYXJ/EB, YPWXJ, DDXJ, DDXJ/NC and KUXJ types have the same construction except for the following:

Mark	Symbol & Description	Part No. KUXJ TYPE	NVXJ TYPE	MYIXJ TYPE	MYXJ/EA TYPE	MYXJ/EB TYPE	YPWXJ TYPE	DDXJ TYPE	DDXJ/NC TYPE	Remarks
	AF Assy	AWZ8236	AWZ8237	AWZ8237	AWZ8237	AWZ8237	AWZ8238	AWZ8238	AWZ8238	
	AMP Assy	AWZ8243	AWZ8244	AWZ8244	AWZ8244	AWZ8244	AWZ8245	AWZ8245	AWZ8245	
NSP	SECONDARY Assy	AWZ8259	AWZ8260	AWZ8260	AWZ8260	AWZ8260	AWZ8261	AWZ8261	AWZ8261	✱1
NSP	PRIMARY Assy	AWZ8252	AWZ8253	AWZ8253	AWZ8253	AWZ8253	AWZ8377	AWZ8254	AWZ8254	
	GM – CD Assy	AWZ8267	AWZ8268	AWZ8268	AWZ8268	AWZ8268	AWZ8269	AWZ8269	AWZ8269	✱2
	VR Assy	AWZ8274	AWZ8275	AWZ8275	AWZ8275	AWZ8275	AWZ8276	AWZ8276	AWZ8276	✱3
	FRONT Assy	AWZ8281	AWZ8282	AWZ8282	AWZ8282	AWZ8282	AWZ8283	AWZ8283	AWZ8283	
	FM/AM TUNER MODULE	AXQ3112	AXQ3114	AXQ3114	AXQ3114	AXQ3114	AXQ3112	AXQ3112	AXQ3112	
⚠	AC power cord	PDG1057	PDG1055	PDG1058	PDG1058	PDG1058	ADG1159	ADG1157	ADG1157	
⚠	Voltage Selector (AC110 – 127V/220 – 230V/240V)	Not used	Not used	Not used	Not used	Not used	Not used	AKX7002	AKX7002	✱4. No.1
⚠	Power Transformer (AC120V)	ATS7099	Not used	Not used	Not used	Not used	Not used	Not used	Not used	
⚠	Power Transformer (AC240V)	Not used	Not used	Not used	Not used	Not used	ATS7123	Not used	Not used	
⚠	Power Transformer (AC220 – 230V)	Not used	ATS7103	ATS7103	ATS7103	ATS7103	Not used	Not used	Not used	
⚠	Power Transformer (AC110 – 127V/220 – 230V/240V)	Not used	Not used	Not used	Not used	Not used	Not used	ATS7104	ATS7104	
⚠	Fuse (T1.25A, FU102, FU103)	Not used	Not used	Not used	Not used	Not used	Not used	AEK1055	AEK1055	✱4. No.2
⚠	Fuse (T1.25A, FU103)	Not used	Not used	Not used	Not used	Not used	AEK1055	Not used	Not used	✱4. No.3
⚠	Fuse (T1.25A, FU101)	Not used	AEK1055	AEK1055	AEK1055	AEK1055	Not used	Not used	Not used	✱4. No.4
⚠	Fuse (4A, FU101)	REK1082	Not used	Not used	Not used	Not used	Not used	Not used	Not used	✱4. No.4
⚠	Fuse (T5A) (For AC Power cord)	Not used	PEK1003	Not used	Not used	Not used	Not used	Not used	Not used	✱4. No 5
⚠	Strain relief	CM – 22C	CM – 22B	CM – 22B	CM – 22B	CM – 22B	CM – 22B	CN – 22B	CN – 22B	
	Rear Panel	ANC7313	ANC7379	ANC7372	ANC7366	ANC7366	ANC7365	ANC7363	ANC7364	
	Screw	Not used	ABA1047	ABA1047	ABA1047	ABA1047	Not used	Not used	Not used	✱4. No 6
	C1 Ceramic capacitor	Not used	CKDYB102K50	CKDYB102K50	CKDYB102K50	CKDYB102K50	Not used	Not used	Not used	✱4. No.7
	Caution label (HE)	Not used	Not used	Not used	PRW1233	PRW1233	Not used	Not used	Not used	✱4. No.8
	Caution label (F)	Not used	VRW – 328	VRW – 328	VRW – 328	VRW – 328	VRW – 328	Not used	Not used	✱4. No.9
	Caution label (G)	Not used	VRW – 329	VRW – 329	VRW – 329	VRW – 329	VRW – 329	Not used	Not used	✱4. No.10
	Caution label	Not used	Not used	VRW1094	VRW1094	VRW1094	Not used	Not used	Not used	✱4. No.11
	Caution label	Not used	PRW1018	Not used	Not used	Not used	PRW1018	Not used	Not used	✱4. No 12
	65 Label	ORW1069	Not used	Not used	Not used	Not used	Not used	Not used	Not used	
	Packing Case	AHD7239	AHD7259	AHD7259	AHD7259	AHD7259	AHD7258	AHD7256	AHD7257	
	Polyethyline Bag	AHG7030	AHG7032	AHG7032	AHG7032	AHG7032	AHG7032	AHG7032	AHG7032	
	Caution 220V Label	Not used	Not used	Not used	Not used	Not used	Not used	ARR7008	ARR7008	✱4. No.13
	Rear Spacer	Not used	AHA7130	Not used	Not used	Not used	Not used	Not used	Not used	✱4. No 14
	FM Antenna	ADH1017	ADH1019	ADH1019	ADH1019	ADH1019	ADH1017	ADH1017	ADH1017	
	Operating Instructions (English)	ARB7084	ARB7084	Not used	Not used	ARB7084	ARB7084	Not used	Not used	
	Operating Instructions (English/Spanish/Chinese)	Not used	Not used	Not used	Not used	Not used	Not used	ARE7084	ARE7084	
	Operating Instructions (German/Italian/French/Dutch)	Not used	Not used	Not used	ARC7098	Not used	Not used	Not used	Not used	
	Operating Instructions (German/Italian)	Not used	Not used	ARC7099	ARC7099	Not used	Not used	Not used	Not used	
	Operating Instructions (French/Swedish/Spanish/Portuguese)	Not used	Not used	Not used	Not used	ARC7127	Not used	Not used	Not used	

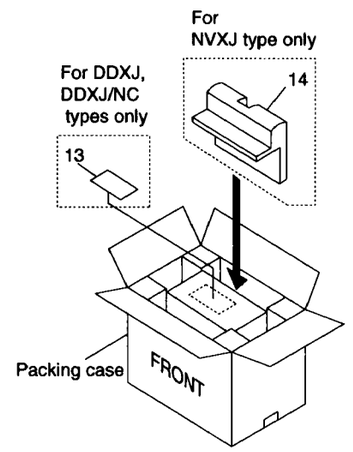
Note ✱1 : Although AWZ8260,AWZ8261 and AWZ8259 are different in part number they consist of the same components.
✱2 : Although AWZ8268,AWZ8269 and AWZ8267 are different in part number they consist of the same components.
✱3 : Although AWZ8275,AWZ8276 and AWZ8274 are different in part number they consist of the same components.
✱4 : The numbers in the remarks column correspond to the numbers on the exploded views.

■ EXPLODED VIEWS

Exterior section



Packing section



■ CONTRAST OF PCB ASSEMBLIES

AF ASSY

AWZ8237, AWZ8238 and AWZ8236 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8236	AWZ8237	AWZ8238	
⚠	C1006 (0.01μF/150V)	ACG1005	Not used	ACG1005	
⚠	C1007, C1008	ACH7006(3300μF/56V)	CEAS222M35	CEAS222M35	
	C2001, C2002	Not used	CCSQCH101J50	Not used	*
	C2017, C2018	Not used	CCSQCH471J50	Not used	*
	C2044, C2045, C2107, C2108	Not used	CKSQYB102K50	Not used	*
	C2046, C4109, C4110, C4211, C4212	Not used	CCSQCH470J50	Not used	*
	C2105, C2106, C2109 – C2112	Not used	CKSQYF104Z50	Not used	*
	C2114	CKSQYB221K50	Not used	CKSQYB221K50	
	C2115, C2116	Not used	CKSQYF103Z50	CKSQYB103K50	*
	C3012 – C3015	Not used	CCSQCH150J50	Not used	*
	C3017, C3018	CKSQYF104Z50	Not used	CKSQYF104Z50	
	C3019	Not used	Not used	CKSQYB272K50	*
	C3201	Not used	CKSQYF104Z50	CKSQYF104Z50	*
	J3001	DB020ND0	Not used	DB020ND0	
	J3002	DB925ND0	Not used	DB925ND0	
	L3201	Not used	LAU221J	LAU221J	*
	R2015	RS1/10S153J	RS1/10S752J	RS1/10S752J	
	R2019	RS1/10S331J	RS1/10S132J	RS1/10S331J	
	R2107, R2108	Not used	RD1/4PM100J	Not used	*
	R2201, R2202	RS1/10S223J	RS1/10S183J	RS1/10S183J	
	R3046	RS1/10S000J	RS1/10S101J	RS1/10S000J	

Note * : Refer to SCH-3F and SCH-4F

AMP ASSY

AWZ8244, AWZ8245 and AWZ8243 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8243	AWZ8244	AWZ8245	
⚠	C305, C306	Not used	CCSQCH470J50	Not used	*
⚠	IC301	STK4192 – 2GP	STK4162 – 2GP	STK4162 – 2GP	
⚠	R311 – R314	RD1/2PM332J	RD1/2PM222J	RD1/2PM222J	

Note * : Refer to SCH-4F.

PRIMARY ASSY

AWZ8253, AWZ8377, AWZ8254 and AWZ8252 have the same construction except for the following:

Mark	Symbol & Description	Part No.				Remarks
		AWZ8252	AWZ8253	AWZ8377	AWZ8254	
⚠	C101, C102 (0.01μF)	Not used	ACG7005	Not used	Not used	*
⚠	L101	Not used	ATF – 151	Not used	Not used	*
⚠	R101 (2.2MΩ, 1/2W)	ACN – 208	Not used	Not used	Not used	

Note * : Refer to SCH-4F.

FRONT ASSY

AWZ8282, AWZ8283 and AWZ8281 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8281	AWZ8282	AWZ8283	
	C515, C522	Not used	CKSQYB472K50	Not used	*
	C516, C517, C591, C592	Not used	CCSQCH101J50	Not used	*
	C593	CKSQYB272K50	Not used	CKSQYB272K50	
	C595, C596	Not used	CKSQYB102K50	Not used	*
	D501	1SS254	Not used	Not used	
	D502	Not used	1SS254	Not used	*
	L501	LAU5R6J	Not used	LAU5R6J	

Note * : Refer to SCH-2F.

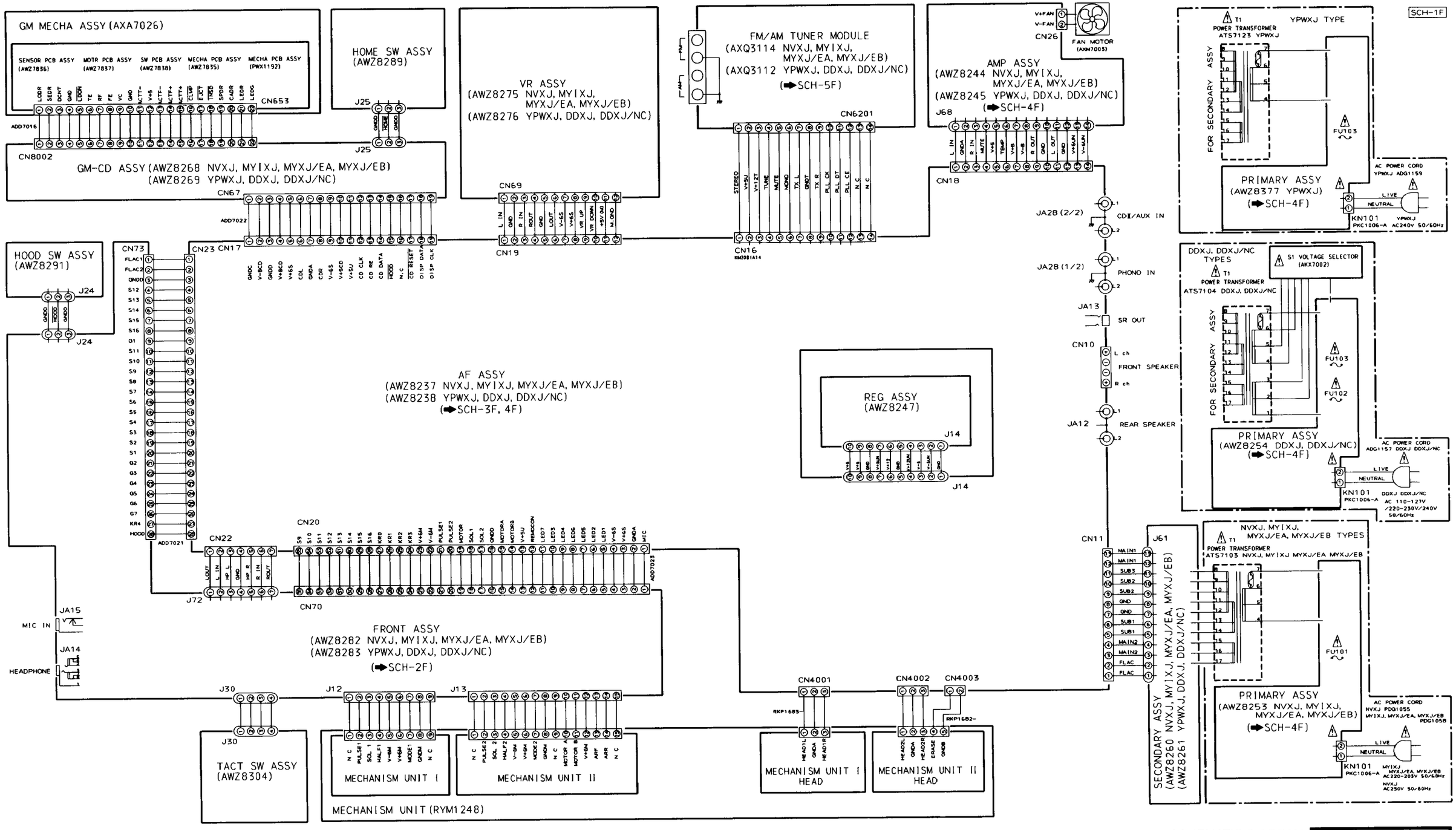
■ PCB PARTS LIST

FM/AM TUNER MODULE (AXQ3114)

Mark	No.	Description	Parts No.
SEMICONDUCTORS			
	IC6201		LA1836M
	IC6202		LM7001J
	Q6102		2SC2223
	Q6203		2SC2235
	Q6202, Q6218		2SC2712
	Q6103, Q6214		2SC2714
	Q6201		2SK208
	Q6104, Q6105		2SK302
	Q6101		3SK194
	Q6204		XDA124EK
	Q6217		XDC124EK
	D6101 – D6104		1SV228
COILS AND FILTERS			
	L6106		ATC1003
	L6105		ATC1015
	L6101		ATC1016
	L6102		ATC1017
	L6103		ATC1018
	L6104		ATC1019
	T6101		ATE – 063
	L6207		ATE1013
	F6204		ATF – 107
	F6203		ATF – 119
	F6205		ATF1152
	F6202		ATF1155
	L6107	(2.2μH)	ATH1043
	L6202, L6203, L6208		LCTA2R2J3225
	L6205		LCTA680J3225
CAPACITORS			
	C6204, C6234, C6236, C6269	(1μF/16V)	ACG1051
	C6120		CCSCH060D50
	C6229		CCSCH102J50
	C6111, C6122		CCSQCH010C50
	C6112		CCSQCH020C50
	C6118		CCSQCH080D50
	C6113		CCSQCH101J50
	C6116, C6208, C6221, C6222		CCSQCH150J50
	C6117		CCSQCH330J50
	C6272		CCSQSL390J50
	C6105		CCSQSL471J50
	C6101		CCSQTH110J50
	C6119		CCSQTH150J50
	C6109		CCSQTH270J50
	C6107, C6110		CCSQTH300J50
	C6106		CCSQTH330J50
	C6261		CEAS010M50
	C6224, C6231, C6233, C6246, C6262		CEAS100M50
	C6227		CEAS101M10
	C6216, C6217		CEAS330M16
	C6219		CEAS470M10
	C6243 – C6245		CEAS470M16
	C6238, C6248		CEJA100M16
	C6249, C6250		CEJA4R7M35
	C6215		CFTXA103J50
	C6214		CFTXA224J50
	C6115, C6125, C6126, C6207		CKSQYB102K50
	C6102, C6114, C6121, C6124, C6210		CKSQYB103K50
	C6264		CKSQYB103K50
	C6247		CKSQYB122K50
	C6213		CKSQYB223K50
	C6230		CKSQYB273K50
	C6228		CKSQYB472K50
	C6209, C6237, C6267		CKSQYB473K50
	C6251, C6252		CKSQYB562K50
	C6212, C6218		CKSQYF103Z50
	C6220, C6226, C6239, C6242		CKSQYF223Z50
	C6255, C6256		CKSQYF223Z50
	C6235		CKSQYF224Z25
	C6225, C6241		CKSQYF473Z50
	C6123		CKSYB103K50
	C6232		CKSYB273K50
	C6223		CKSYF103Z50
	C6263		CKSYF473Z50
RESISTORS			
	R6299, R6300		RD1/4PU102J
	R6115, R6119, R6123, R6127, R6129		RS1/8S000J
	R6268 – R6271, R6275, R6276, R6278		RS1/8S000J
	R6283, R6284, R6293, R6294, R6297		RS1/8S000J
	R6302, R6303		RS1/8S000J
	R6243, R6244		RS1/8S101J
	R6211, R6239		RS1/8S103J
	R6237		RS1/8S122J
	R6209		RS1/8S221J
	R6112		RS1/8S473J
	VR6201	(10kΩ, 0.1W)	ACP1056
	VR6202		VRTB6VS223
		Other Resistors	RS1/10S□□□J
OTHERS			
	BN6201	2P TERMINAL WITH PAL	AKA1017
	X6203	CRYSTAL RESONATOR	ASS1042
	X6201	CRYSTAL RESONATOR	ASS1066
	X6202	CERAMIC RESONATOR	ATF1027
	8001	AM RF TUNING BLOCK	AXX1025
	CN6201	14P SOCKET	KP200IA14L

3. SCHEMATIC AND PCB CONNECTION DIAGRAMS

3.1 OVERALL SCHEMATIC DIAGRAM



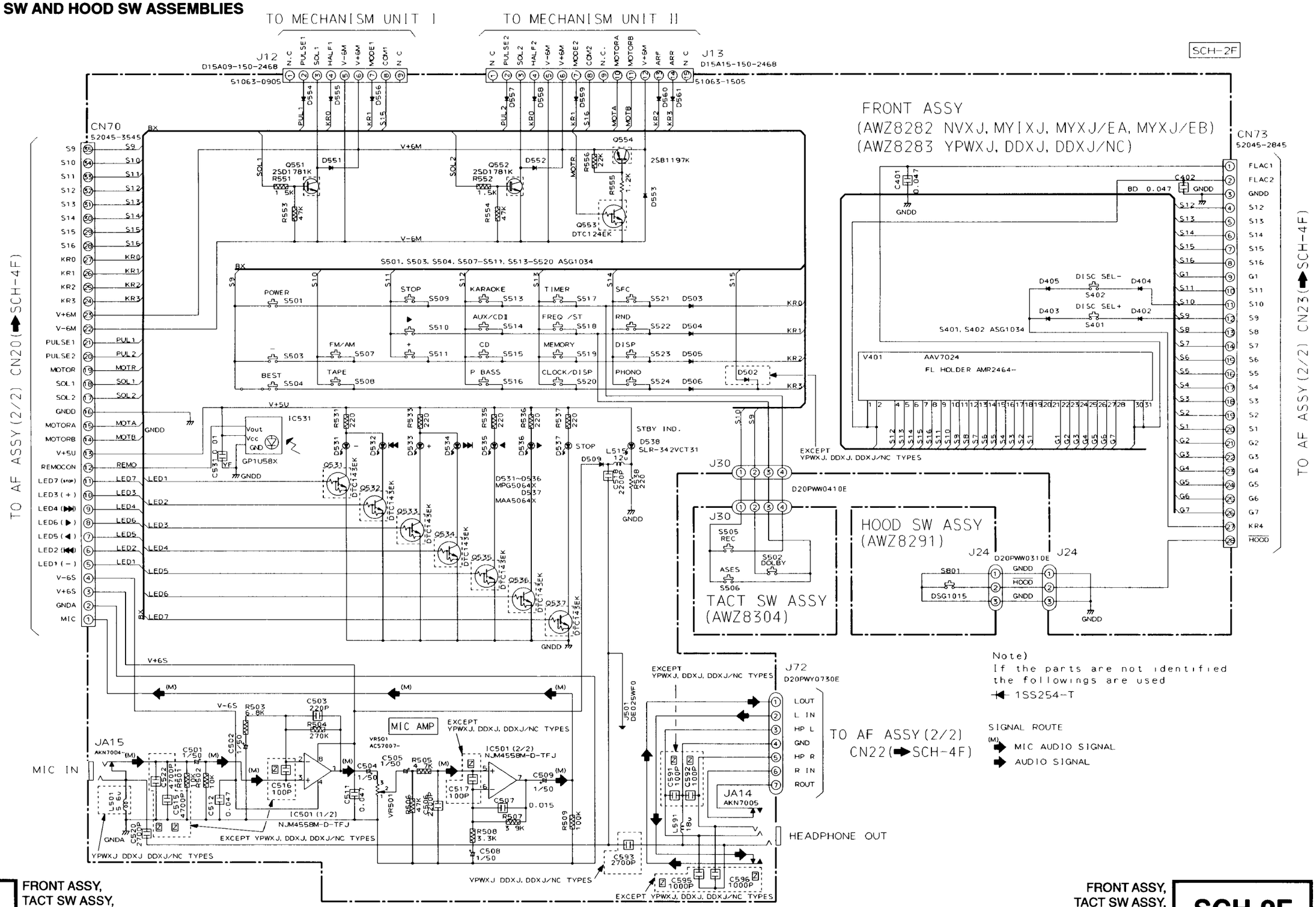
OVERALL SCHEMATIC DIAGRAM

SCH-1F

OVERALL SCHEMATIC DIAGRAM

SCH-1F

3.2 FRONT, TACT SW AND HOOD SW ASSEMBLIES



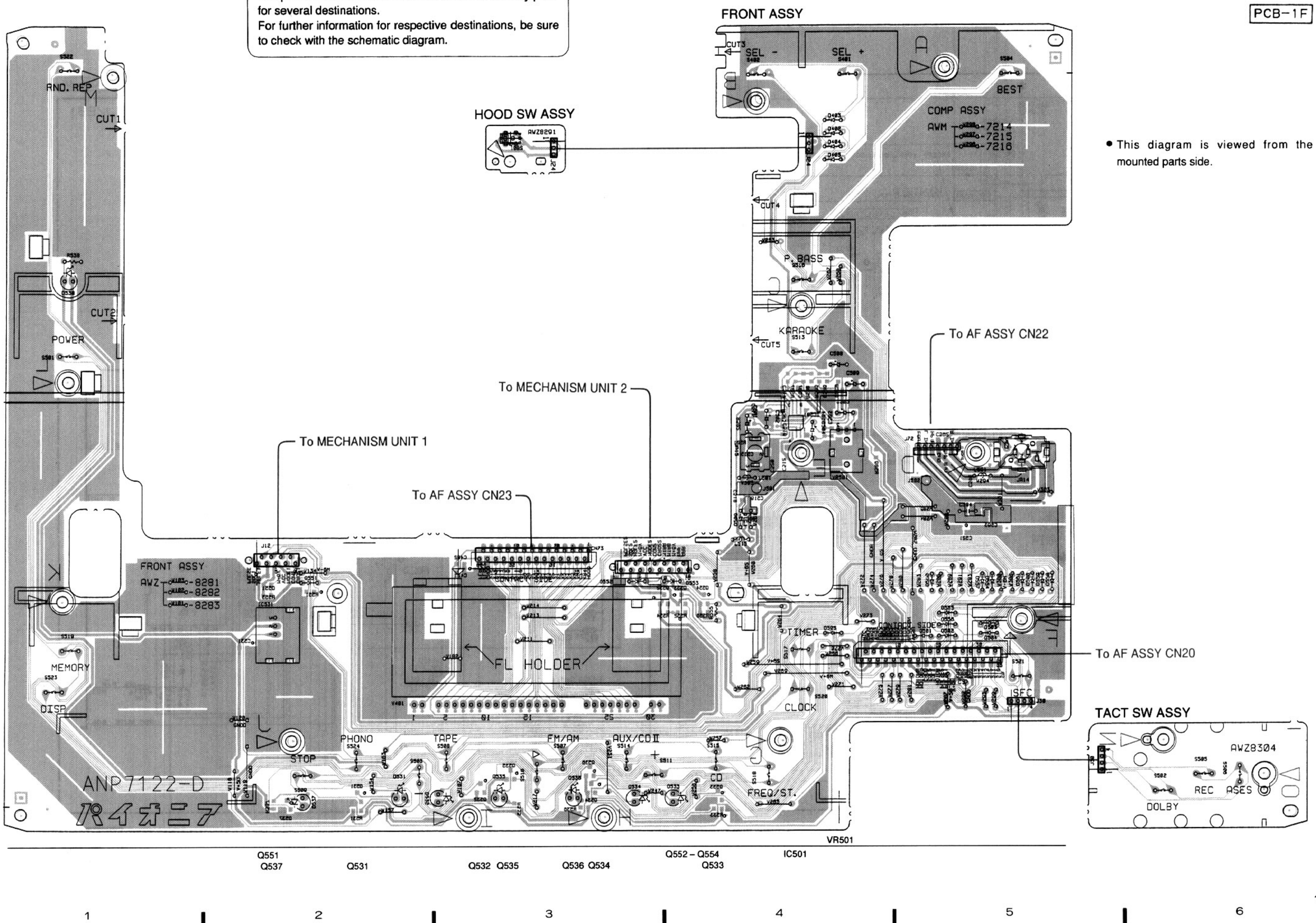
SCH-2F FRONT ASSY, TACT SW ASSY, HOOD SW ASSY

FRONT ASSY, TACT SW ASSY, HOOD SW ASSY **SCH-2F**

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

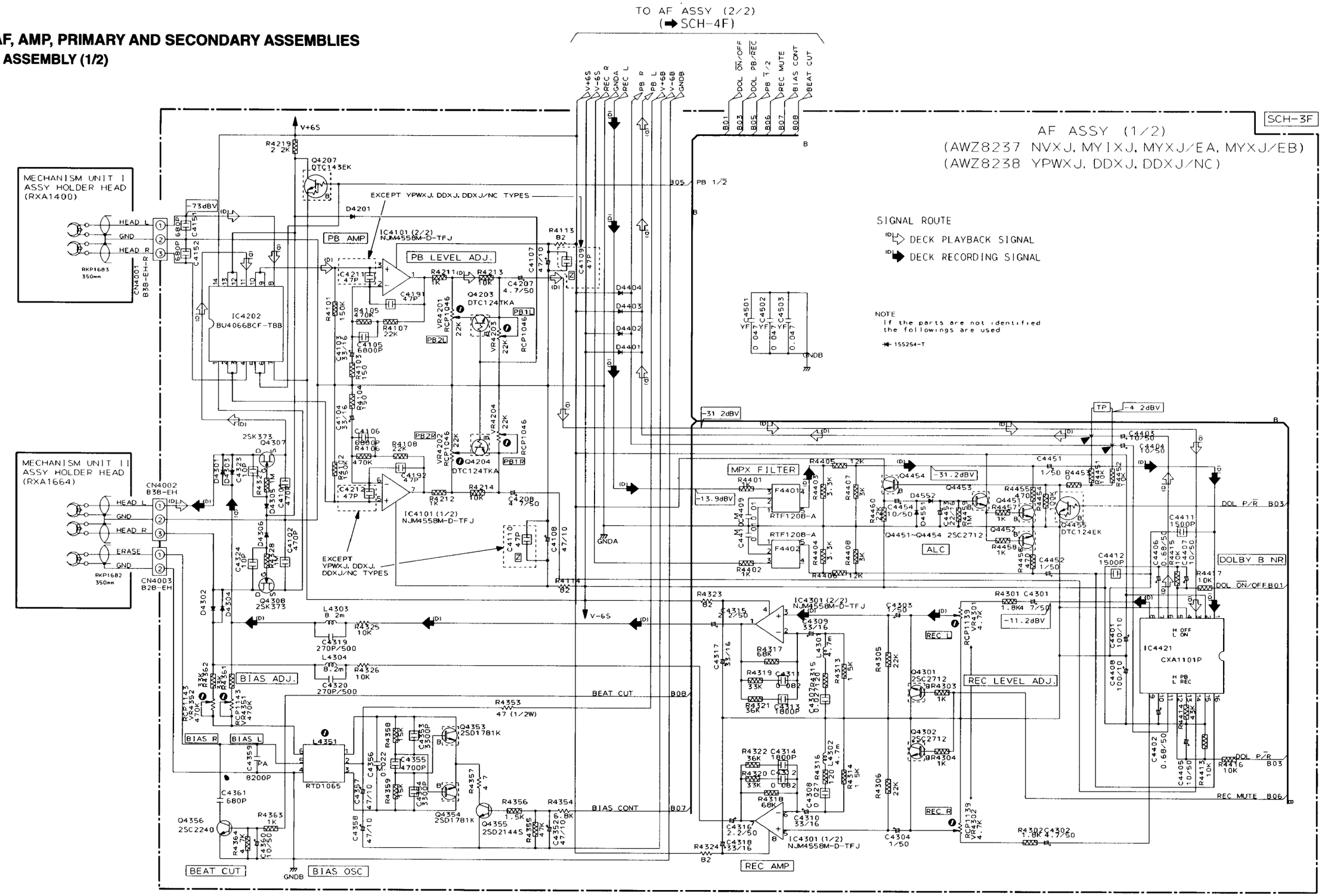
PCB-1F

- This diagram is viewed from the mounted parts side.

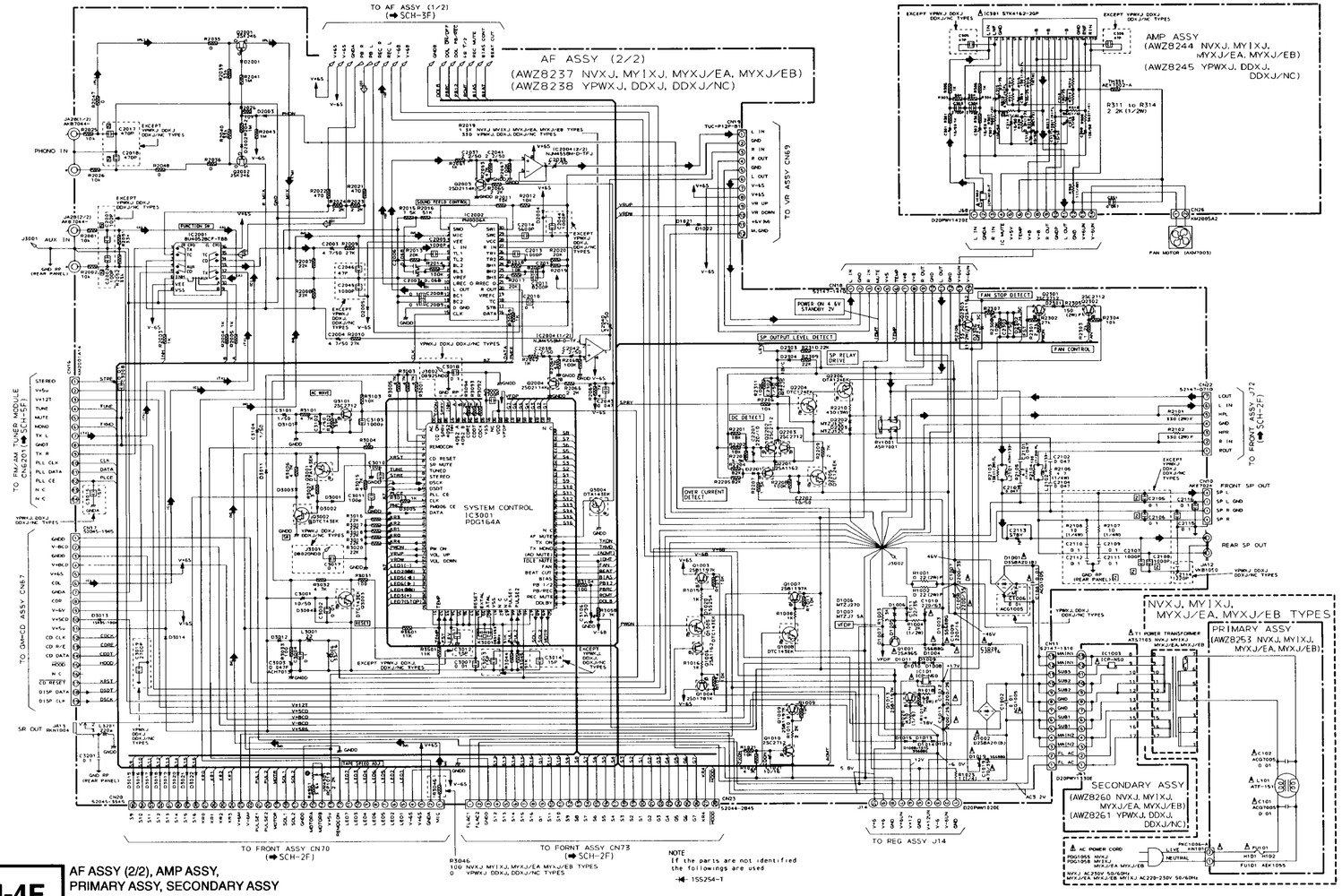


3.3 AF, AMP, PRIMARY AND SECONDARY ASSEMBLIES

● AF ASSEMBLY (1/2)



● AF (2/2), AMP, PRIMARY AND SECONDARY ASSEMBLIES

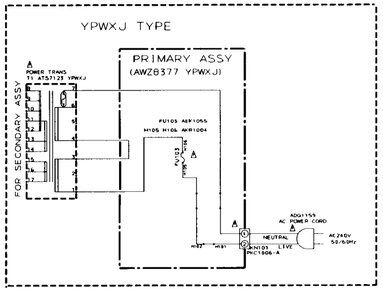


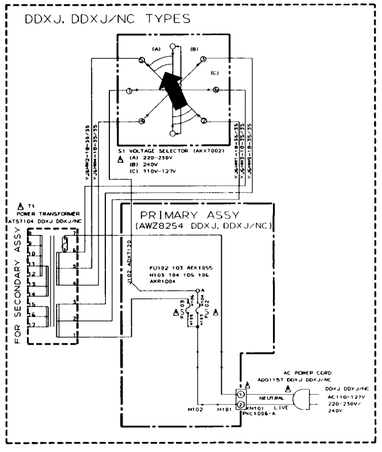
SCH-4F

AF ASSY (2/2), AMP ASSY, PRIMARY ASSY, SECONDARY ASSY

SIGNAL ROUTE

- AUDIO SIGNAL
- TUNER AUDIO SIGNAL
- AUX AUDIO SIGNAL
- DECK PLAYBACK SIGNAL
- DECK RECORDING SIGNAL
- PLYER SIGNAL
- MIC AUDIO SIGNAL
- CD AUDIO SIGNAL





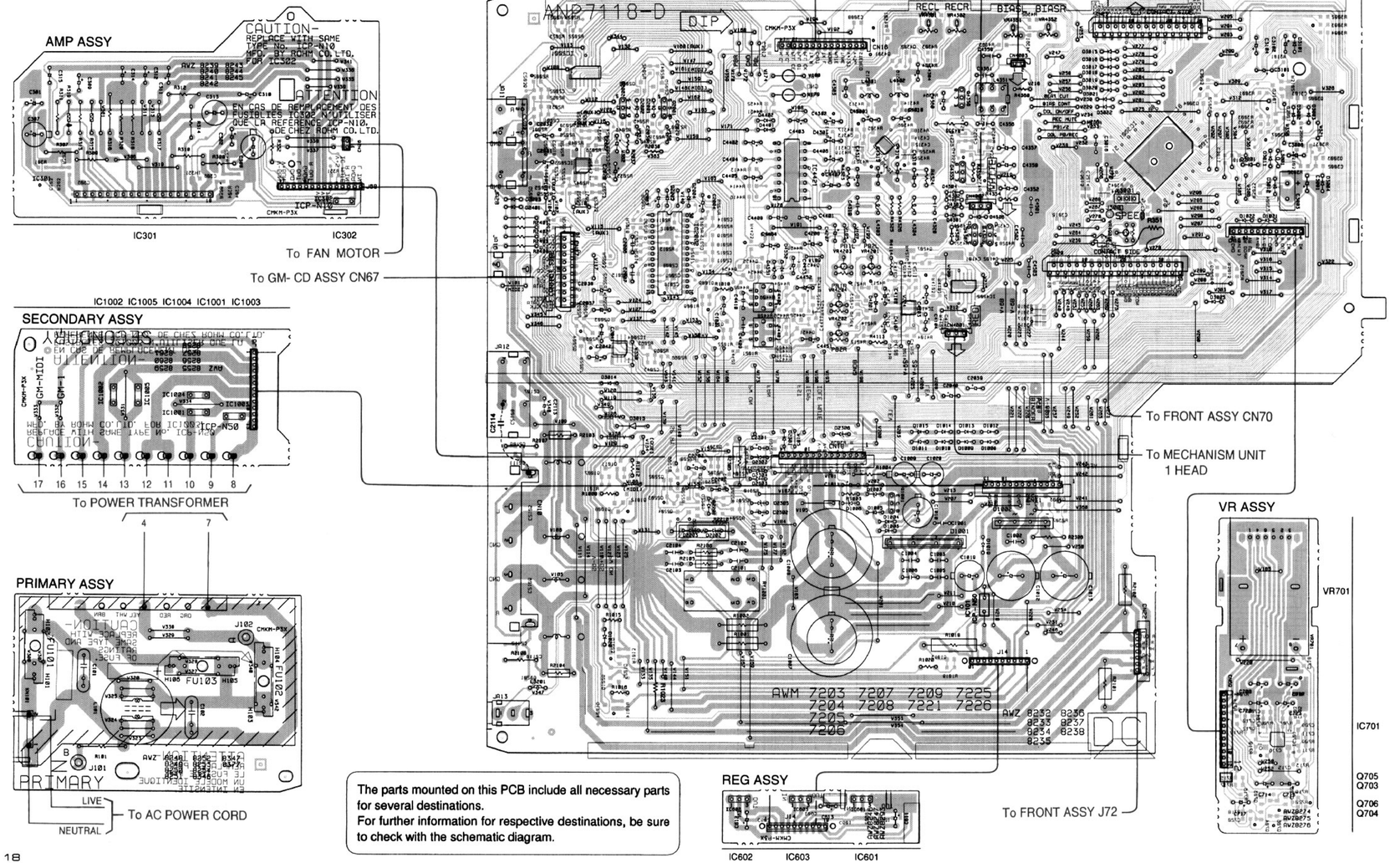
● NOTE FOR FUSE REPLACEMENT

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

AF ASSY (2/2), AMP ASSY, PRIMARY ASSY, SECONDARY ASSY

SCH-4F

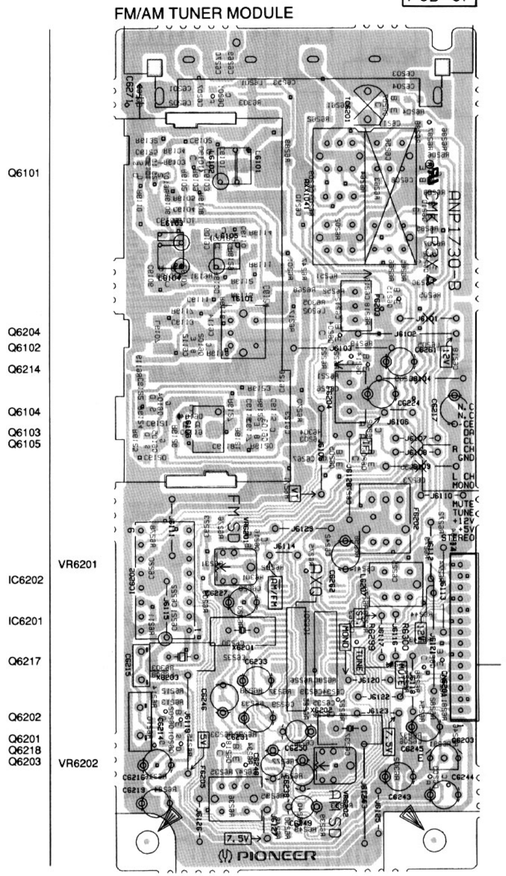
- This diagram is viewed from the mounted parts side.



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

3.4 FM/AM TUNER MODULE

- This diagram is viewed from the mounted parts side.



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
Q504 E6 C Q504	Q504 Q504	Transistor
D203 D203	D203	Diode
C513 C513	C513	Capacitor (Polarized)

3. The transistor terminal marked with E or E shows the emitter.
4. The diode terminal marked with or shows cathode side.
5. The capacitor terminal marked with or shows negative terminal.

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

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

SCH-5F

FM/AM TUNER MODULE (AXQ3114)

SIGNAL ROUTE
(TX) TUNER AUDIO SIGNAL ROUTE
(AM) AM SIGNAL ROUTE
(FM) FM SIGNAL ROUTE

FM F E

RF AMP Q6101 3SK194-TL
MIX AMP Q6102 2SC2223-TL
T6101 ATE-063-0-N
IF OUT
Q6124 IF AMP
Q6214 2SC2714-TL
F6203 ATF-119
F6204 ATF-107
Q2618 AMP
Q6218 2SC2712-TL
F6205 ATF1152

Q6103 OSC
Q6104, Q6105 BUFFER AMP
Q6104 2SK302-TL
Q6105 2SK302-TL
ANT
AGC
RF VT
OSC +B
MAIN +B
LOCAL OUT
OSC VT

IC6201 FM/AM IF DETECTION STEREO DECODER
IC6201 LA1836M IF+MPX
FM SD ADJ
AM SD ADJ
FORCED MONO DRIVE Q6217 XDC124EK-TL
MONO

CN6201 KP2001A14L
N C
N C
CE
DA
CL
R CH
GND
L CH
MONO
MUTE
TUNE
+12V
+5V
STEREO
To AF ASSY (2/2) CN16 (SCH-4F)

FM F E POWER SW Q6204 XDA124EK-TL
FM
FM 75ohm (PAL)
AM
AM RF TUNING BLOCK
AXX1025

Q6201 2SK208-TL
Q6202 2SC2712-TL
Q6201, Q6202 PLL LOOP FILTER DC AMP

IC6202 LM7001J PLL
IC6202 PLL IC

RIPPLE FILTER Q6203 2SC2235-T

T-meter TP3
T-meter TP2
TP4 S-meter
TP1 VT

4. ADJUSTMENTS

4.1 TUNER SECTION

■ FM Tuner Section

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

Step No.	Adjustment Title	FM SG (1kHz, ±75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dBμV)			
1	Center Adjustment	98 Non modulation	80 or more	98MHz	L6207	Adjust so that the DC voltage between IC6201–Pin 4 and Pin 28 (or ⊕ leads of C6224 and C6261) becomes 0V±50mV.
2	Front End Sencitivity	106	0–30	106MHz	L6104 L6105 L6102 T6101	After adjusting L6104 and L6105 so that the DC voltage between LC6201–Pin12 and GND (or ⊕ leads of C6238 and GND) becomes at maximum level, adjust T6101 and L6102.
3	Stereo Distortion	98	80	98MHz	T6101	Minimize the distortion with 1/8 rotation of the core.
4	TUNED IND. Lighting Level	98	15±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 and between L6103 and L6104. If there is a gap between them, bring them into contact with each other first, and then make adjustments.*
- *Make indicator adjustments in order of AM →FM.*
- *Adjustment sequence: L6104 → L6105 → L6102 → T6101*

■ 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 (kHz)	Level (dBμV/m)			
1	TUNED IND. Lighting Level	999 *1	47±2	999kHz *1	VR6202	Adjust so that the indicator of TUNED IND. starts to light up.

Notes:

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

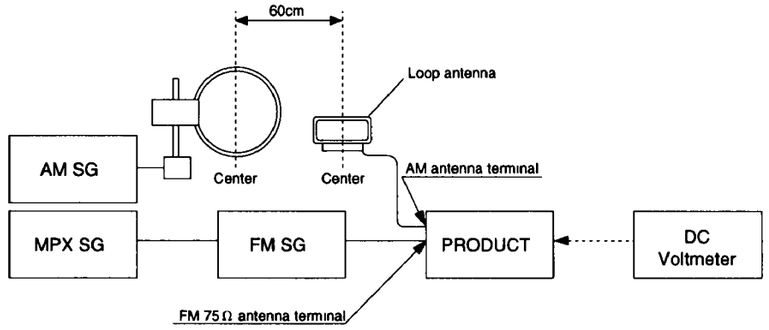


Fig. 1–1 AM and FM Adjustment Wiring Diagram

FM/AM TUNER MODULE (AXQ3114)

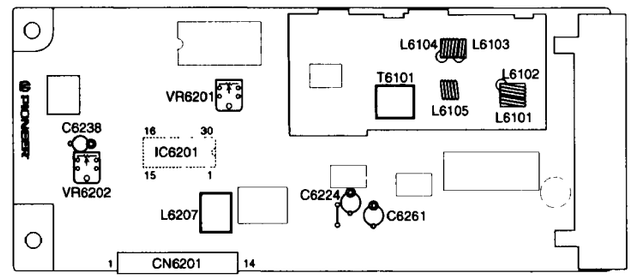


Fig. 1–2 Adjustment Points