

Service Manual

ORDER NO.
RRV1513

STEREO FILE-TYPE CD CASSETTE DECK RECEIVER

XR-P760F

● Refer to the service manual RRV1429 for XR-P760F/KU.

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

Type	Model	Power Requirement	Remarks
	XR-P760F		
MY/EA	○	AC220-230V	
MY/EB	○	AC220-230V	
MYI	○	AC220-230V	
NV	○	AC230V	

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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 NÅR DENNA DEL ÅR ÖPPNAD OCH SPÄRREN ÅR URKOPPLAD. BETRakta EJ STRÅLEN.




LASER
Kuva 1
Lasersäteilyn 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

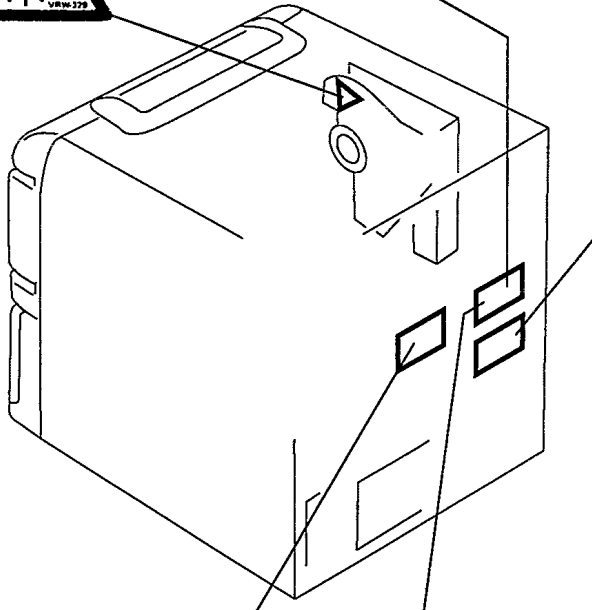


LASER
Picture 1
Warning sign for laser radiation

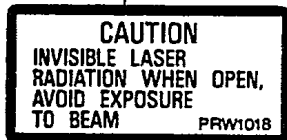
LABEL CHECK

MY/EA, MY/EB and MYI types

All types



All types



NV type

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 CLMP terminal side (CLMP signal is OFF or high level.) Thus, the interlock will no longer function if the switch (S601) is deliberately set to 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 74 in the service manual RRV1429.

2. CONTRAST OF MISCELLANEOUS PARTS

NOTES :

- Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
- The \triangle 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 “ \odot ” 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 Ω and 47k Ω (tolerance is shown by J = 5%, and K = 10%).

560 Ω \rightarrow 56 \times 10¹ = 561 RD1/4PU $\boxed{5} \boxed{6} \boxed{1} J$
 47k Ω \rightarrow 47 \times 10³ = 473 RD1/4PU $\boxed{4} \boxed{7} \boxed{3} J$
 0.5 Ω \rightarrow 0R5 RN2H $\boxed{0} \boxed{R} \boxed{5} K$
 1 Ω \rightarrow 1R0 RSIP $\boxed{1} \boxed{R} \boxed{0} K$

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

5.62k Ω \rightarrow 562 \times 10¹ = 5621 RN1/4PC $\boxed{5} \boxed{6} \boxed{2} \boxed{1} F$

MY/EA, MY/EB, MYI, NV types and KU type have the same construction except for the following:

Mark	Symbol & Description	Part No.					Remarks	
		KU type	MY/EA type	MY/EB type	MYI type	NV type		
NSP	MAIN ASSY	AWK7206	AWK7207	AWK7207	AWK7207	AWK7207	*1	
	AF ASSY	AWZ7886	AWZ7845	AWZ7845	AWZ7845	AWZ7845		
	VOL ASSY	AWZ7858	AWZ7897	AWZ7897	AWZ7897	AWZ7897		
NSP	COMPLEX ASSY	AWM7158	AWM7159	AWM7159	AWM7159	AWM7159		
	DISPLAY ASSY	AWZ7869	AWZ7870	AWZ7870	AWZ7870	AWZ7870		
	OPERATION-A ASSY	AWZ7879	AWZ7880	AWZ7880	AWZ7880	AWZ7880		
	CD ASSY	AWZ7889	AWZ7890	AWZ7890	AWZ7890	AWZ7890		
NSP	SUB TRANS ASSY	AWZ7908	Not used	Not used	Not used	Not used		
NSP	KUC ASSY	AWZ7909	Not used	Not used	Not used	Not used		
NSP	HEADPHONE ASSY	AWZ7913	Not used	Not used	Not used	Not used		
	HEADPHONE ASSY	Not used	AWZ7914	AWZ7914	AWZ7914	AWZ7914		
	PRIMARY ASSY	Not used	AWZ7898	AWZ7898	AWZ7898	AWZ7898		
	FM/AM TUNER MODULE	AXQ1012	AXQ7014	AXQ7014	AXQ7014	AXQ7014	*3	
	C1 Ceramic Capacitor	Not used	CKDYB152K50	CKDYB152K50	CKDYB152K50	CKDYB152K50	No.1	
	Screw	Not used	ABA-115	ABA-115	ABA-115	ABA-115	No.2	
\triangle	T Power Transformer (AC120V)	ATS7087	Not used	Not used	Not used	Not used		
\triangle	T Power Transformer (AC220-230V)	Not used	ATS7088	ATS7088	ATS7088	ATS7088		
\triangle	FU4 Fuse(6.3A)	VEK1026	Not used	Not used	Not used	Not used	No.3	
\triangle	FU1 Fuse(2.5A)	Not used	REK-104	REK-104	REK-104	REK-104		
\triangle	Fuse(T5A)	Not used	Not used	Not used	Not used	PEK1003		
\triangle	AC Power Cord	PDG1015	ADG1153	ADG1153	ADG1153	PDG1055	No.4	
	Amp Window	AAK7215	AAK7207	AAK7207	AAK7207	AAK7207		
	Rear Panel	ANC7284	ANC7285	ANC7285	ANC7285	ANC7439		
	Strain Relief	CM-22C	CM-22B	CM-22B	CM-22B	CM-22B		
	65 Label	ORW1069	Not used	Not used	Not used	Not used		
NSP	Caution Label HE	Not used	PRW1233	PRW1233	PRW1233	Not used		No.5
	Caution Label(F)	Not used	VRW-328	VRW-328	VRW-328	VRW-328		No.6
	Caution Label(G)	Not used	VRW-329	VRW-329	VRW-329	VRW-329		No.7
	Caution Label	Not used	VRW1094	VRW1094	VRW1094	Not used		No.8
	Caution Label	Not used	Not used	Not used	Not used	PRW1018		No.9
	Operating Instructions (English)	ARB7071	Not used	ARB7071	Not used	ARB7071		
	Operating Instructions (French/Dutch)	Not used	ARC7121	Not used	Not used	Not used		
	Operating Instructions (German/Italian)	Not used	ARC7122	Not used	ARC7122	Not used		
	Operating Instructions (French/Swedish/Spanish/Portuguese)	Not used	Not used	ARC7123	Not used	Not used		

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Mark	Symbol & Description	Part No.					Remarks
		KU type	MY/EA type	MY/EB type	MYI type	NV type	
NSP	FM Antenna	ADH1017	ADH1019	ADH1019	ADH1019	ADH1019	
	Loop Antenna	ATB7004	ATB1012	ATB1012	ATB1012	ATB1012	
	Packing Case	AHD7230	AHD7231	AHD7231	AHD7231	AHD7231	
	Poly. Bag	AHG7030	Z21-040	Z21-040	Z21-040	Z21-040	
	UK Cord Protector	Not used	Not used	Not used	Not used	AHA7129	No.10
	Polyethylene Bag	Not used	Not used	Not used	Not used	OHL1007	For AC Power Cord

Notes *1: For AWZ7845, refer to "■PCB PARTS LIST", "SCH-3F" and "SCH-4F".

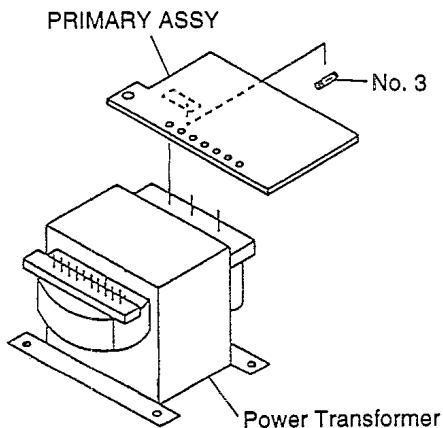
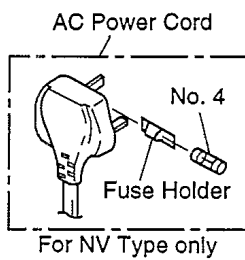
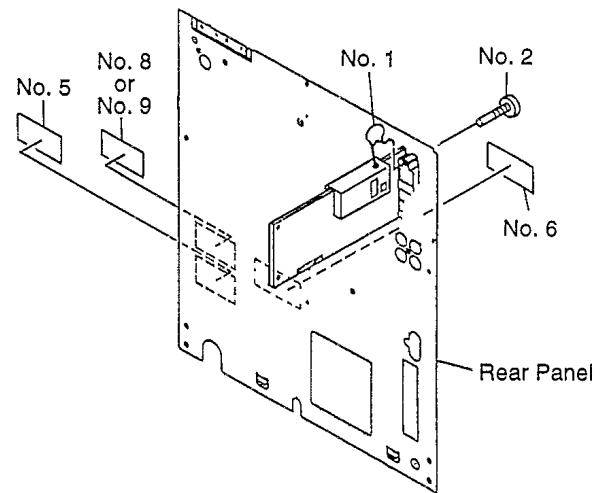
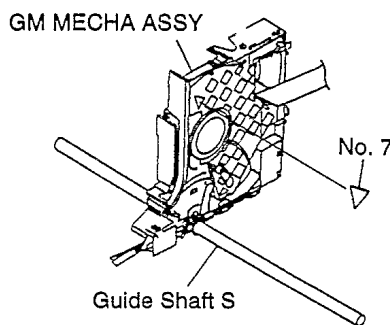
*2: Refer to "■PCB PARTS LIST" and "SCH-4F".

*3: For AXQ7014, refer to "■PCB PARTS LIST" and "3.2 FM/AM TUNER MODULE".

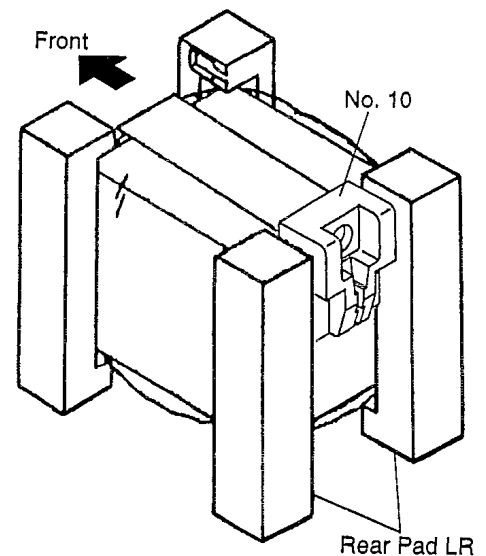
The numbers in the remarks column correspond to the numbers on the exploded diagram. Refer to "EXPLODED VIEWS".

■ EXPLODED VIEWS

● Exterior Section



● Packing Section



■ CONTRAST OF PCB ASSEMBLIES

VOL Assy

AWZ7897 and AWZ7858 have the same construction except for the following:

Mark	Symbol & Description	Part No.		Remarks
		AWZ7858	AWZ7897	
	C1507, C1508 C1509, C1510 C1511, C1512 C1519, C1520 C1521, C1522 C1558, C1559	CEAS2R2M50 Not used Not used CKSQYB223K50 CEYA4R7M50 CKSQYB104K25	CEASR15M50 CCSQCH470J50 CCSQCH101J50 CKSQYB333K50 CEZA220M50 CKSQYB473K25	Refer to "SCH-4F" Refer to "SCH-4F"

DISPLAY Assy

AWZ7870 and AWZ7869 have the same construction except for the following:

Mark	Symbol & Description	Part No.		Remarks
		AWZ7869	AWZ7870	
	D1985, D1986 R1942	Not used RS1/10S000J	1SS254 Not used	Refer to "SCH-5F"

OPERATION-A Assy

AWZ7880 and AWZ7879 have the same construction except for the following:

Mark	Symbol & Description	Part No.		Remarks
		AWZ7879	AWZ7880	
	C1751 C1770	Not used Not used	CKSQYB122K50 CCSQCH221J50	Refer to "SCH-6F" Refer to "SCH-6F"

CD Assy

AWZ7890 and AWZ7889 have the same construction except for the following:

Mark	Symbol & Description	Part No.		Remarks
		AWZ7889	AWZ7890	
	C8008, C8009 R8331	CKSQYB102K50 RS1/10S000J	Not used RS1/10S101J	

HEADPHONE Assy

AWZ7914 and AWZ7913 have the same construction except for the following:

Mark	Symbol & Description	Part No.		Remarks
		AWZ7913	AWZ7914	
	C1201, C1202 C1207, C1208	Not used CEJA4R7M50	CKSQYB102K50 Not used	Refer to "SCH-4F"

Mark No.	Description	Parts No.
C3507		CKSQYF103Z50
C1301-C1304, C1307-C1310		CKSQYF104Z50
C2120, C2121, C2208-C2210		CKSQYF104Z50
C3513		CKSQYF223Z50
C3514, C3515		CKSQYF333Z50
C4409, C4410		CQMA103J50
C4358		CQMA123K250
C4356		CQMA153J50
C4362		CQMA562K400
C4105, C4106		CQMA682J50
C2205, C2207		CQMA683J50
C4311, C4312		CQMA823J50
RESISTORS		
VR1701 (2.2k Ω)		PCP1025
VR3501 (4.7k Ω)		PCP1028
VR4201-VR4204 (22k Ω)		PCP1030
VR4301, VR4302 (4.7k Ω)		RCP1139
VR4351, VR4352 (220k Ω)		RCP1142
R1307, R1308		RD1/2LMF101J
R4352		RD1/2PM102J
R1044		RD1/2PM331J
R1160, R1162, R4353		RD1/2PM470J
R4357		RD1/2PM6R8J
R1153		RD1/4PM102J
R1042		RD1/4PM182J
R1002		RD1/4PM272J
R1157		RD1/4PM472J
R1159, R1161		RD1/4PM680J
R1301, R1303		RD1/4PMF7R5J
R1021, R1546		RD1/4PU102J
R1003, R4112, R4325, R4326, R4416		RD1/4PU103J
R4223, R4521-R4523		RD1/4PU222J
R1151		RD1/4PU472J
R4113, R4114, R4323, R4324		RD1/4PU820J
R1223		RS1LMF222J
R1023		RS3LMF220J
R1007, R1017		RS3LMFR22J
Other Resistors		RS1/10S□□□J
OTHERS		
Y1	CABLE HOLDER (12P)	51063-1205
JA2101	BOARD-IN READ WIRE	ADX7039
CN2104	2P PIN JACK	AKB7043
CN4003	SPEAKER TERMINAL 4-P	AKE7018
	2P TOP POST	B2B-EH
CN4002	3P TOP POST	B3B-EH
CN4001	3P TOP POST	B3B-EH-R
CN2	FFC CONNECTOR (17P)	HLEM17S-1
CN3	FFC CONNECTOR (19P)	HLEM19S-1
CN1	FFC CONNECTOR (31P)	HLEM31S-1
CN10	11P PLUG	KM200IB11
CN9	14P PLUG	KM200IB14
JA2103	REMOTE CONTROL JACK	RKN1004
	PCB BINDER	VEF1040
JA2102	2P PIN JACK	VKB1046
X3501(456kHz)	CERAMIC RESONATOR	ASS7001

Mark No.	Description	Parts No.
PRIMARY ASSY		
COILS AND FILTERS		
Δ	L1101	ATF-151
CAPACITORS		
Δ	C1101 (0.01 μ F/250V)	ACG7005
OTHERS		
H1105, H1106	FUSE CLIP	AKR1003
FM/AM TUNER MODULE (AXQ7014)		
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	FM OSC COIL	ATC1003
L6105	FM RF COIL	ATC1015
L6101	FM ANTENNA COIL	ATC1016
L6102	FM ANTENNA COIL	ATC1017
L6103	FM RF DRIVE COIL	ATC1018
L6104	FM RF TUNING COIL	ATC1019
L6207 (10.7MHz)	FM DETECTION COIL	ATE1013
F6204	FM CERAMIC FILTER	ATF-107
F6203	FM CERAMIC FILTER	ATF-119
F6205	ANTIBIRDY FILTER	ATF1152
F6202 (450kHz)	AM CERAMIC FILTER	ATF1155
L6107 (2.2 μ H)	TIP COIL	ATH1043
L6202, L6203, L6208		LCTA2R2J3225
L6205		LCTA680J3225
TRANSFORMERS		
T6101	IF TRANSFORMER	ATE-063
CAPACITORS		
C6204, C6234, C6236, C6269 (1 μ F/16V)		ACG1051
C6120		CCSCH060D50
C6229		CCSCH102J50
C6111, C6122		CCSQCH010C50
C6112		CCSQCH020C50
C6118		CCSQCH080D50
C6113		CCSQCH101J50
C6116, C6208, C6221, C6222		CCSQCH150J50
C6117		CCSQCH330J50
C6272		CCSQL330J50

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Mark No.	Description	Parts No.
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

VR6201 (10kΩ)	ACP1056
VR6202	VRTB6VS223
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
Other Resistors	RS1/10S□□□J

OTHERS

BN6201	2P TERMINAL WITH PAL	AKA1017
CN6201	14P SOCKET	KP2001A14L
X6203 (7.200MHz)	CRYSTAL RESONATOR	ASS1042
X6201 (456kHz)	CRYSTAL RESONATOR	ASS1066
X6202 (450kHz)	CERAMIC RESONATOR	ATF1027
	AM RF TUNING BLOCK	AXX7005

3. SCHEMATIC AND PCB DIAGRAMS

3.1 OVERALL SCHEMATIC DIAGRAM

NOTE FOR SCHEMATIC DIAGRAMS (TYPE 1A)

- When ordering service parts, be sure to refer to "PARTS LIST OF EXPLODED VIEWS" or "PCB PARTS LIST".
- Since these are basic circuits, some parts of them or the values of some components may be changed for improvement.

3. RESISTORS:
 (1) RESISTOR VALUE: (1) unless otherwise noted.
 Rated power: 1/4W, (10W), (100W), (1/8W) unless otherwise noted.
 Tolerance: (F): ±1%, (G): ±2%, (M): ±10%, (M1): ±20% or ±5% unless otherwise noted.

4. CAPACITORS:
 Unit: pF or μF unless otherwise noted.
 Tolerance: (M1): ±20% unless otherwise noted.
 Rated voltage: 50V except for electrolytic capacitors.

5. COILS:
 Unit: mH or μH unless otherwise noted.
 Tolerance: ±10% unless otherwise noted.

6. VOLTAGE AND CURRENT:
 V: SIGNAL voltage at rated output.
 or -V: DC voltage (R) at no load signal unless otherwise noted.
 Value: | : DC voltage of rated power.
 DC current at no load signal unless otherwise noted.

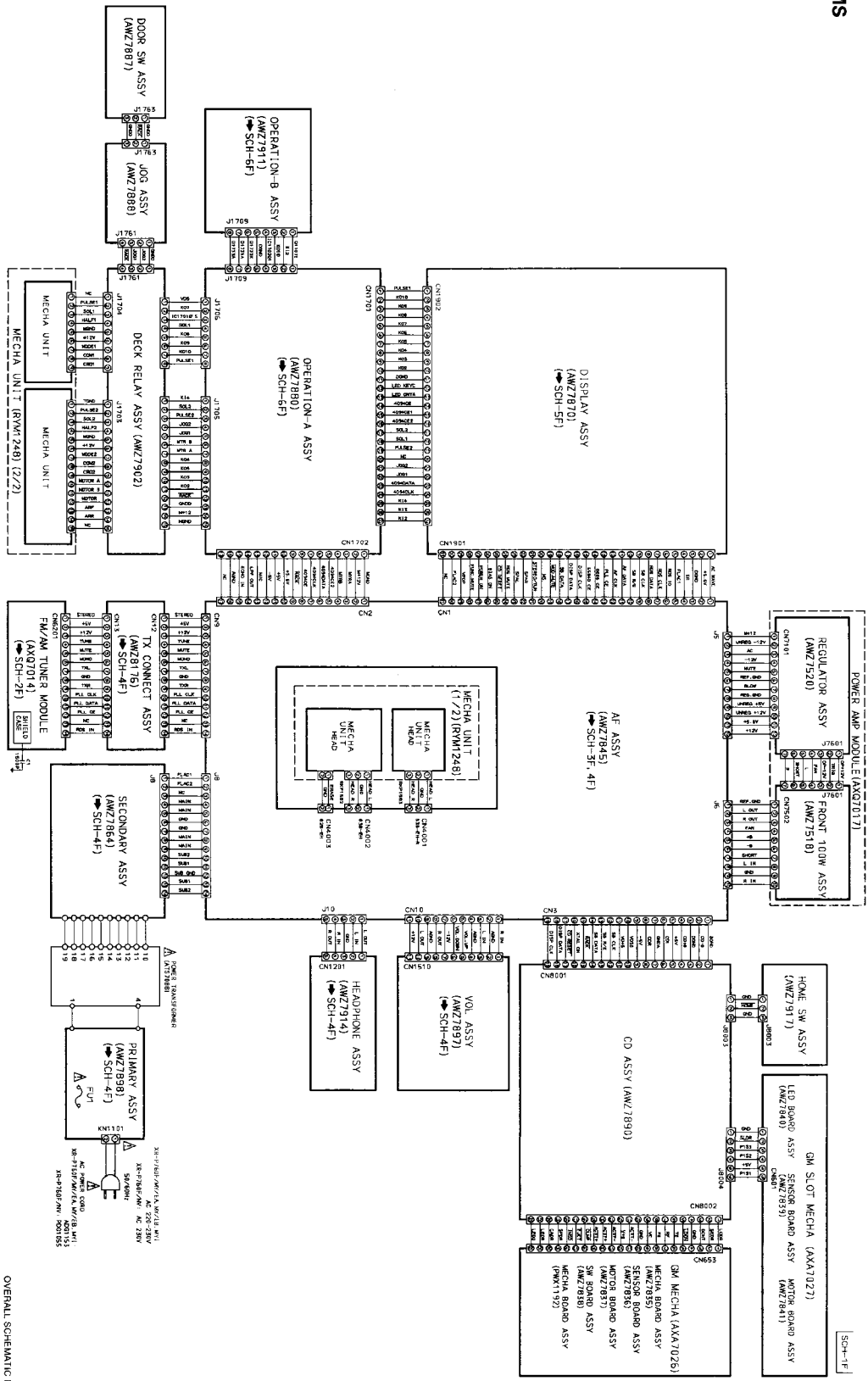
7. OTHERS:
 ● : Adjusting point.
 ● : A mark over component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.

8. SCH-Q ON THE SCHEMATIC DIAGRAM:
 ● SCH-Q indicates the drawing number of the schematic diagram. SCH-Q stands for schematic diagram.

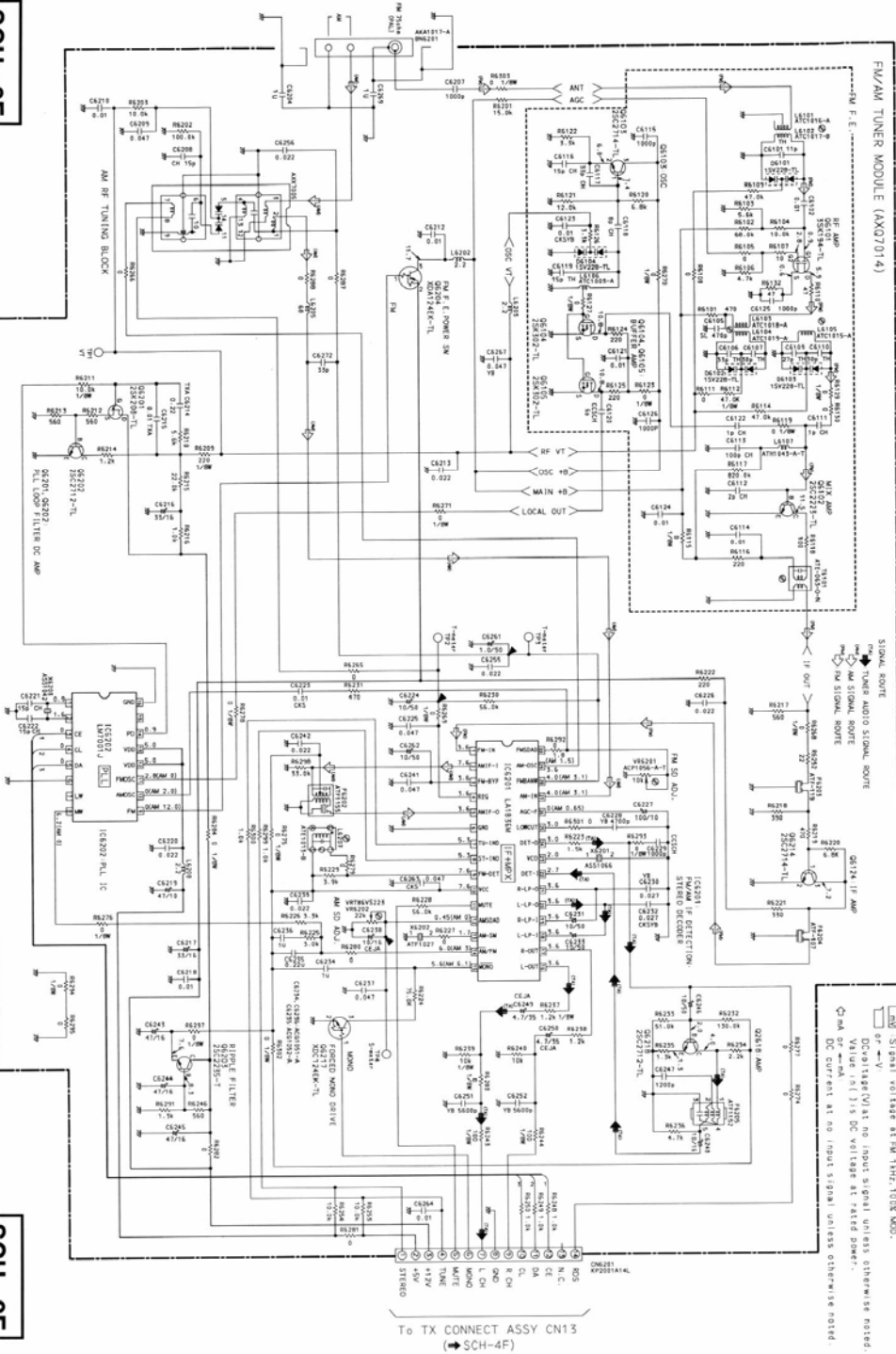
9. SHIELDS (Locations indicates shield position):
 SHIELD: SHIELD POSITION
 SHIELD: SHIELD POSITION

- OPERATION-A ASSY
 S1702 STOP
 S1706 RESET
 S1708 REJECT
 S1710 DOOR SW ON/OFF
 S1711 RECOGNITION
 S1714 REC STOP
 S1718 REC STOP
 S1722 REC STOP
 S1727 P. BASS/OFF/ON
 OPERATION-B ASSY
 S1709 POWER/STANDBY/ON

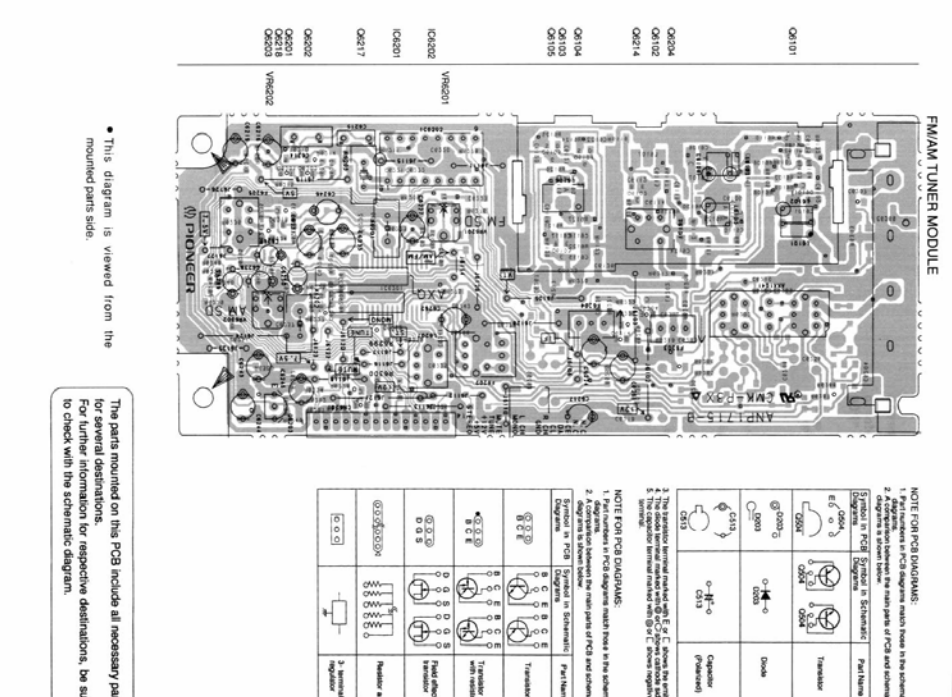
SCH-1F OVERALL SCHEMATIC DIAGRAM



SCH-1F OVERALL SCHEMATIC DIAGRAM



NOTE: VOLTAGE AND CURRENT
 DC voltage (V) at no input signal unless otherwise noted.
 Value (mV) is DC voltage at rated power.
 DC current at no input signal unless otherwise noted.

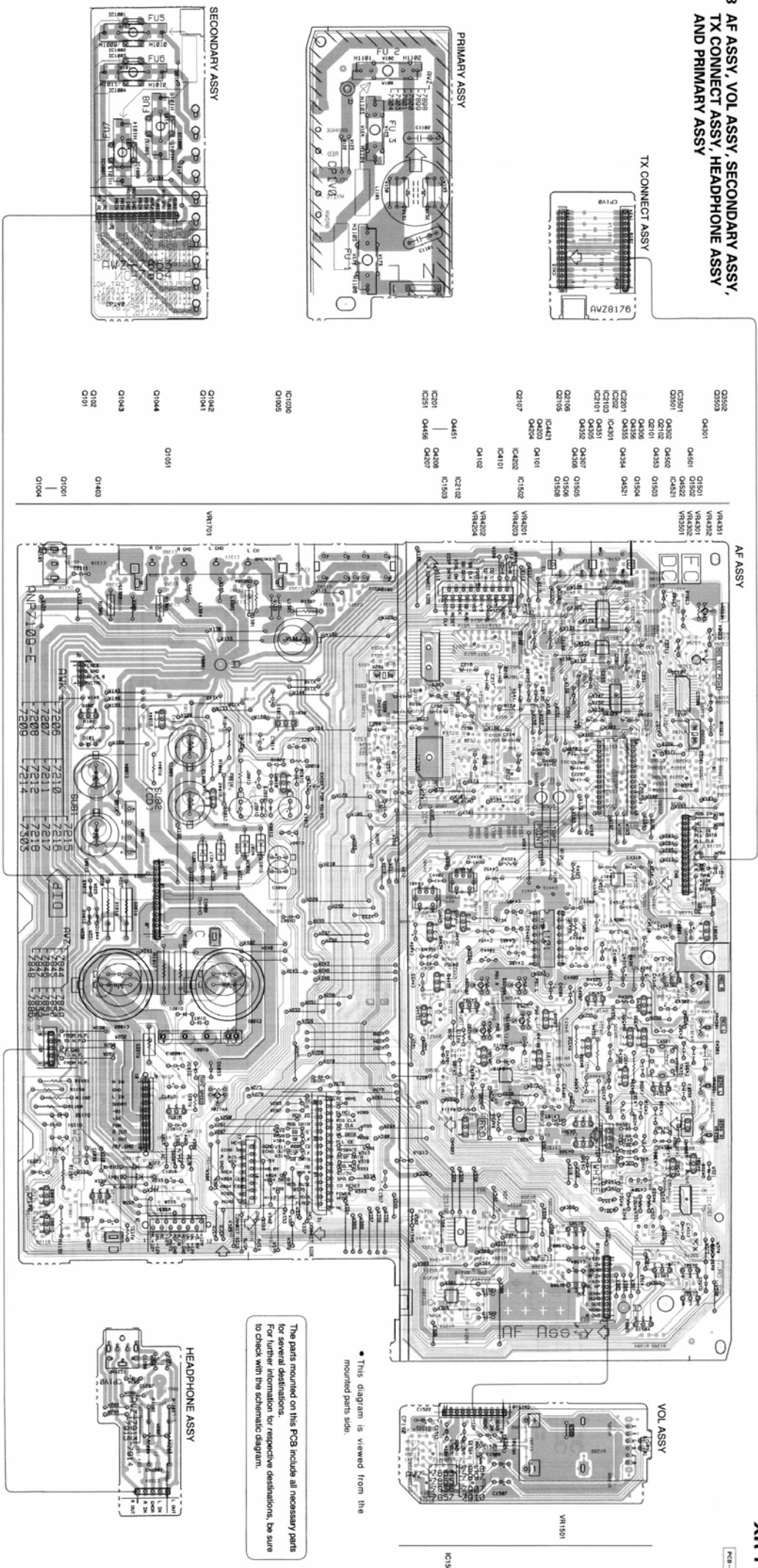


NOTE FOR PCB DIAGRAMS:
 1. Part numbers in PCB diagrams match those in the schematic.
 2. Connections between the main parts of PCB and schematic diagrams in PCB Diagrams are shown in Schematic Part Name Diagrams.
 3. The reference numeral marked with E.C. shows the reference numeral of the component in the schematic diagram.
 4. The reference numeral marked with D.C. shows the reference numeral of the component in the PCB diagram.
 5. The reference numeral marked with G.C. shows the reference numeral of the component in the PCB diagram.

• This diagram is viewed from the mounted parts side.

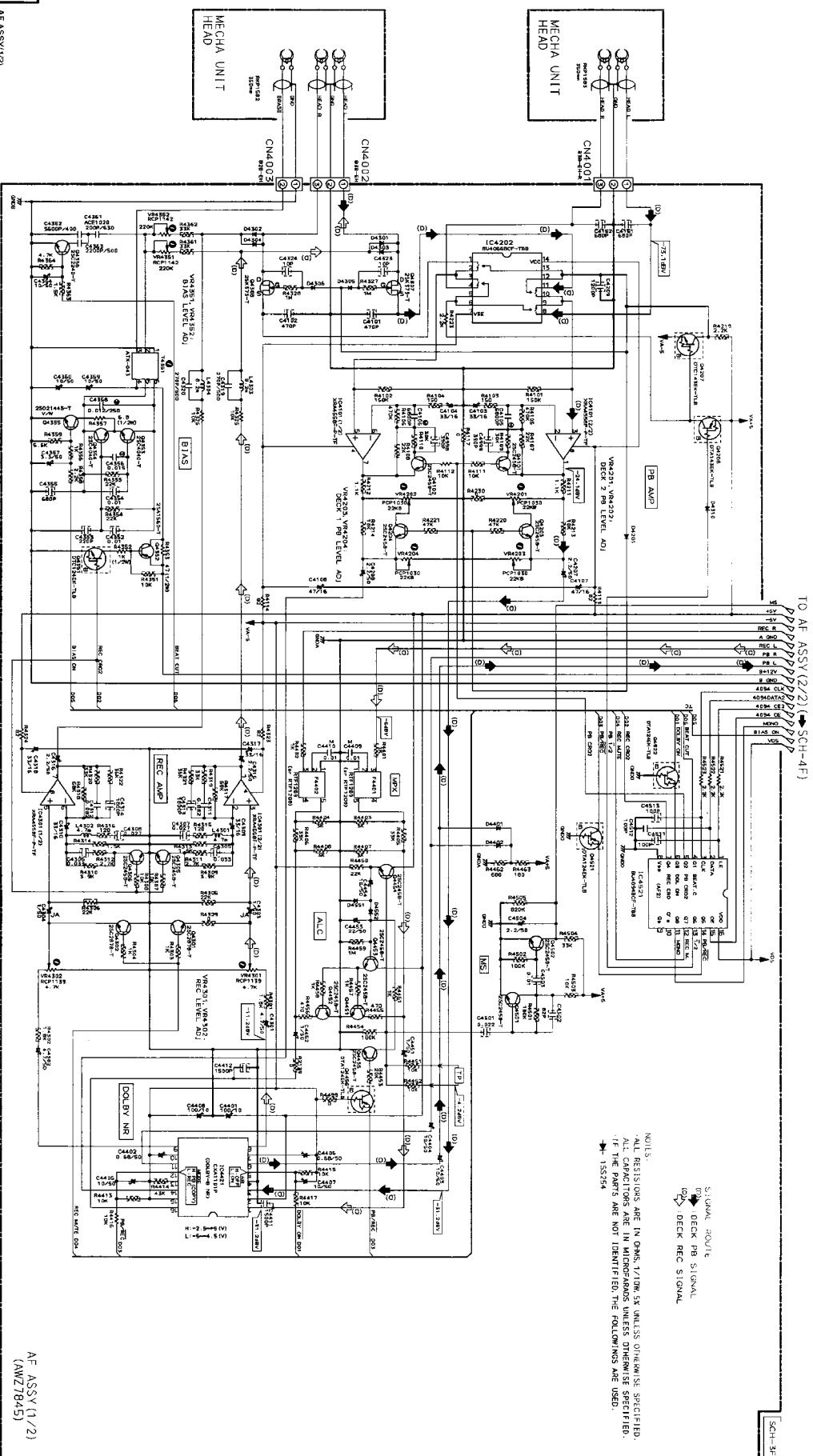
The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

**3.3 AF ASSY, VOL ASSY, SECONDARY ASSY,
TX CONNECT ASSY, HEADPHONE ASSY,
AND PRIMARY ASSY**



• 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.



TO AF ASSY (2/2) (SCH-4F)

SIGNAL ROUTE
 DECK PB SIGNAL
 DECK REC SIGNAL

NOTES:
 - ALL RESISTORS ARE IN OHMS, 1/10W, 5% UNLESS OTHERWISE SPECIFIED.
 - ALL CAPACITORS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
 - IF THE PARTS ARE NOT IDENTIFIED, THE FOLLOWINGS ARE USED.
 - 155724

SCH-3F

AF ASSY(1/2)

AF ASSY (1/2)
 (AWZ7845)

SCH-3F

AF ASSY(1/2)

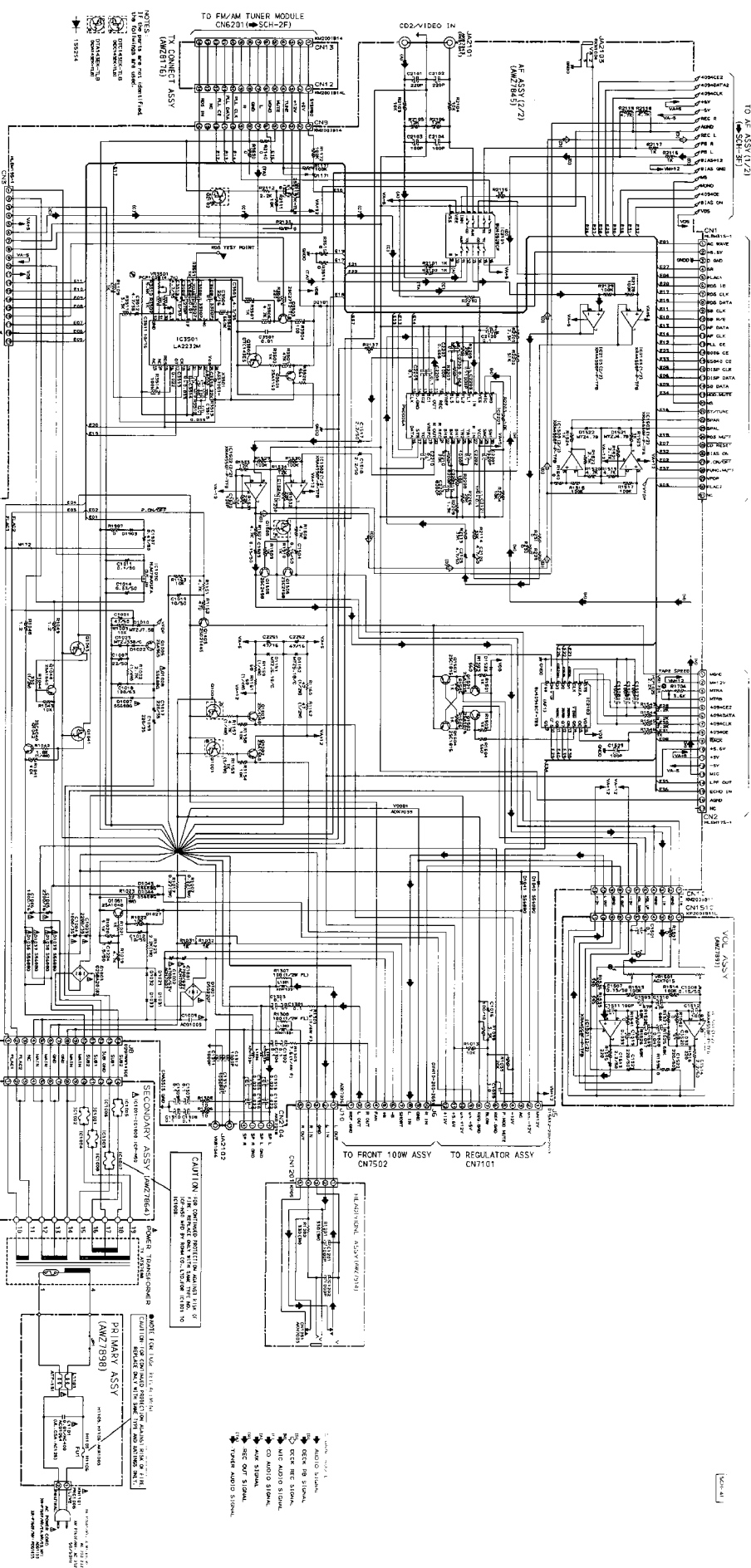
● AF ASSY (2/2), VOL ASSY, SECONDARY ASSY, TX CONNECT ASSY, HEADPHONE ASSY AND PRIMARY ASSY

SCH-4F

AF ASSY (2/2), VOL ASSY, SECONDARY ASSY, TX CONNECT ASSY, HEADPHONE ASSY, PRIMARY ASSY

AF ASSY (2/2), VOL ASSY, SECONDARY ASSY, TX CONNECT ASSY, HEADPHONE ASSY, PRIMARY ASSY

SCH-4F



TO AF ASSY (1/2)

TO DSRW ASSY (2/2)

TO OPERATIONAL ASSY (UNIT)

1000-41

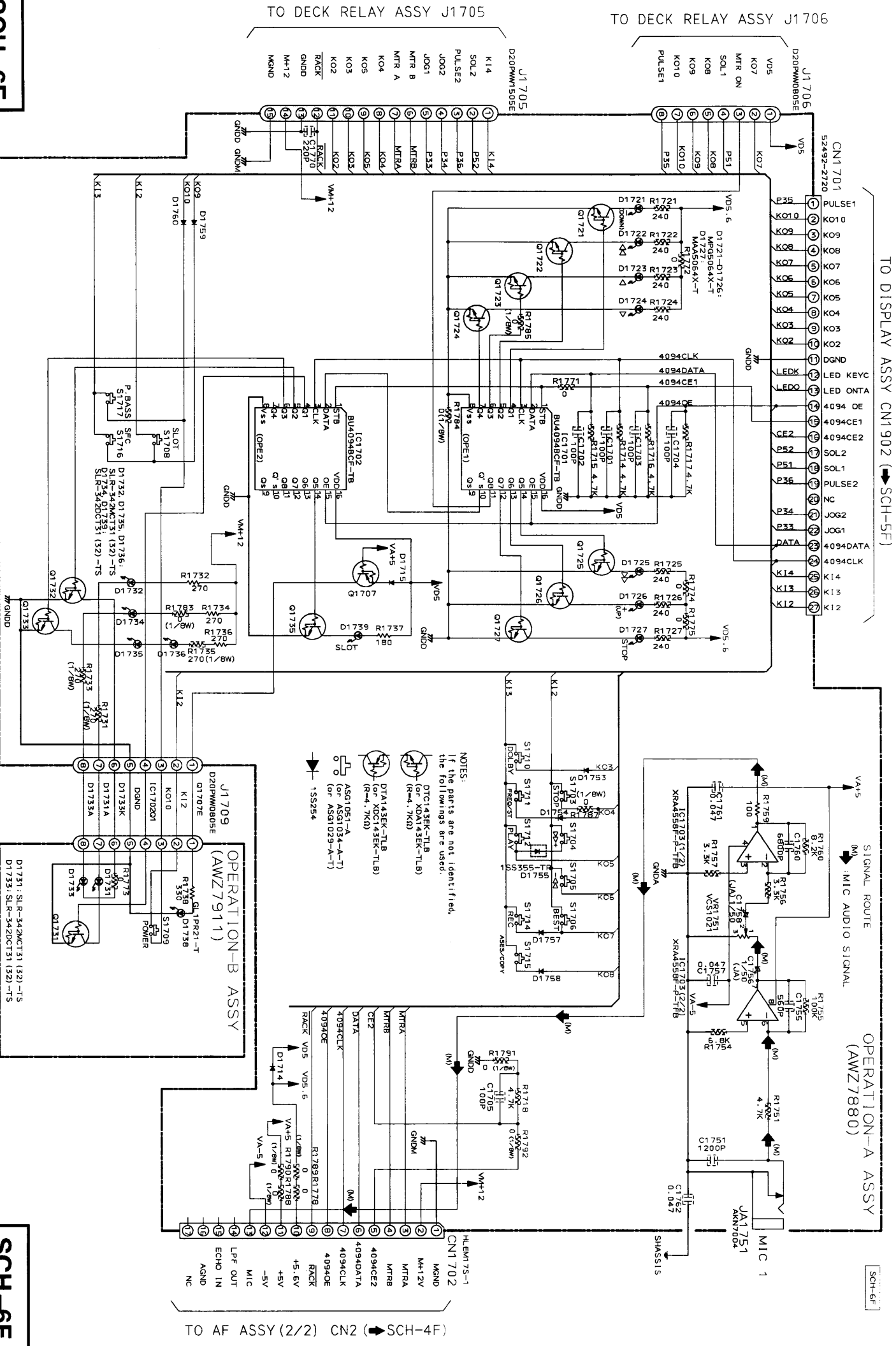
3.5 OPERATION-A ASSY AND OPERATION-B ASSY

SCH-6F

OPERATION-A ASSY, OPERATION-B ASSY

OPERATION-A ASSY, OPERATION-B ASSY

SCH-6F



TO DECK RELAY ASSY J1706

TO DECK RELAY ASSY J1705

TO DISPLAY ASSY CN1902 (SCH-5F)

OPERATION-A ASSY (AWZ7880)

OPERATION-B ASSY (AWZ7911)

TO AF ASSY (2/2) CN2 (SCH-4F)

NOTES:

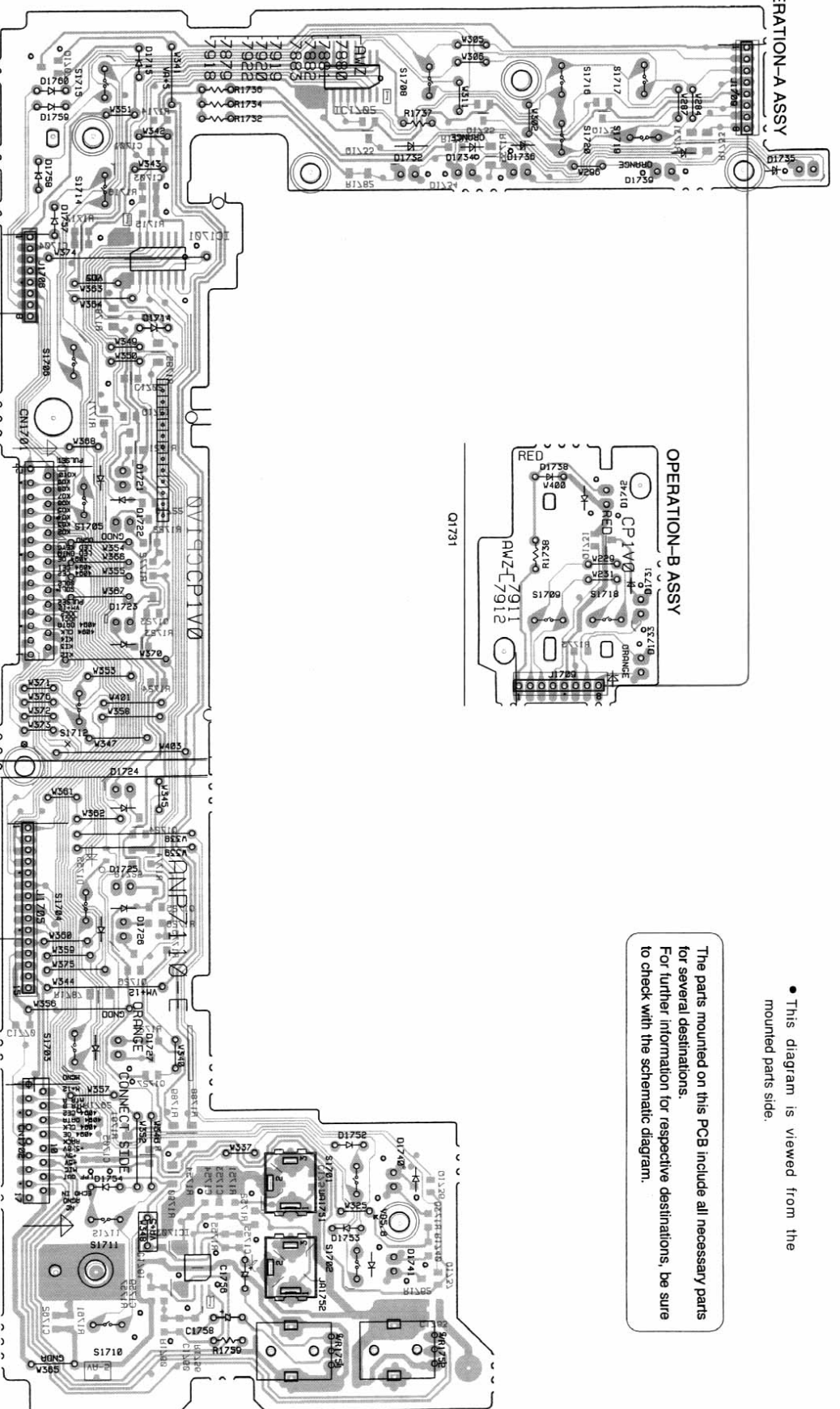
If the parts are not identified, the following are used:

- DT1433EK-TL(B) (R=4, 7KD)
- DT1433EK-TL(B) (R=4, 7KD)
- ASG1051-A (or ASG1029-A-T)
- ASG1029-A-T (or ASG1029-A-T)

OPERATION-A ASSY, OPERATION-B ASSY

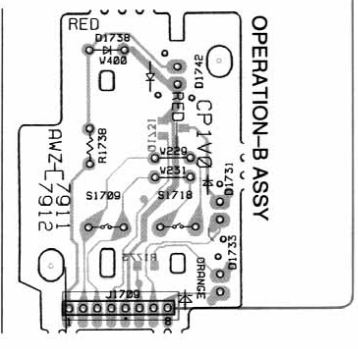
OPERATION-A ASSY, OPERATION-B ASSY

OPERATION-A ASSY



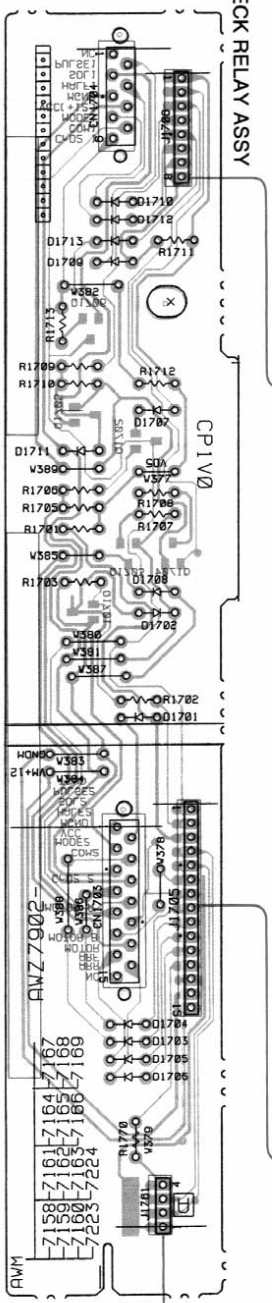
- This diagram is viewed from the mounted parts side.

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.

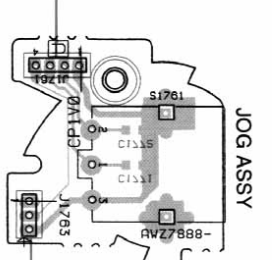


Q1731

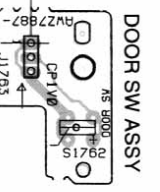
DECK RELAY ASSY



JOG ASSY



DOOR SW ASSY



4. ADJUSTMENTS

Adjustment of MY/EA, MY/EB, MYI and NV types are the same as those of KU type except for the following:

4. 1 TUNER SECTION

■ FM Tuner Section

- Set the FM/AM 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
			(dBμV)			
1	Center Adjustment	98	80	98 MHz	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 Adjustment		Low input (0 to 30)		L6104 L6105 L6102 T6101	After adjusting L6104 and L6105 so that the DC voltage between IC6201-Pin 12 and GND (or ⊕ leads of C6238 and GND) becomes at maximum level, adjust T6101 and L6102.
3	Stereo Distortion	98	80	98 MHz	T6101	Minimize the distortion with 1/8 rotation of the core.
4	TUNED IND. Lighting Level	106	15 (±2 dB)	106 MHz	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	47±2	999 kHz	VR6202	Adjust so that the indicator of TUNED IND. starts to light up.

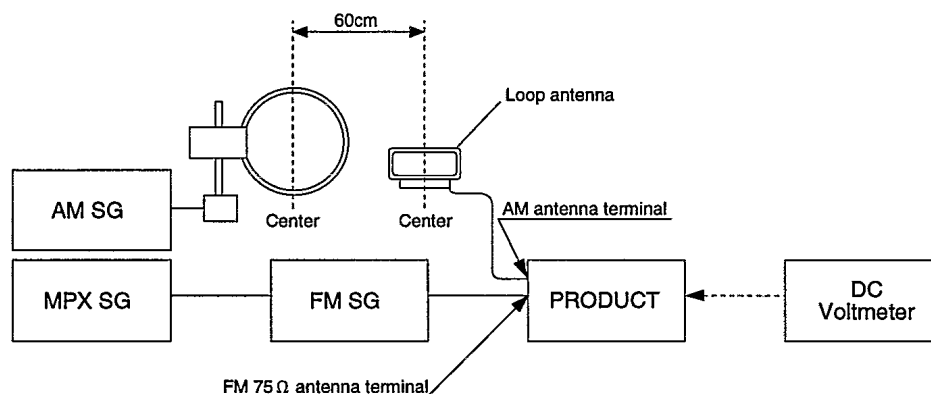


Fig. 1-1 AM and FM Adjustment Wiring Diagram

FM/AM TUNER MODULE (AXQ7014)

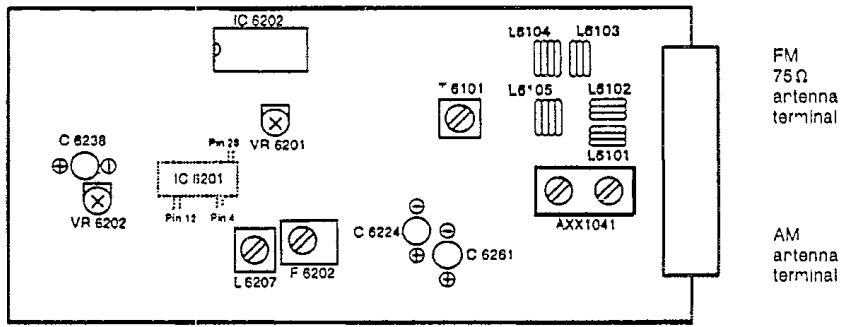


Fig. 1-2 Adjustment Points

4.2 RDS Adjustment

- Setting the RDS-Signal generator (*1).
- Set the mode selector to FM BAND.
- Connect the wiring as shown in Fig. 2-1.

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

Step No.	Adjustment Title	FM/AM SG		Reception Frequency Display	Adjustment Location	Specifications
			Level (dBμV)			
1	RDS (BPF) Level	88	60	88 MHz	VR3501	Adjust so that the Waveform of RDS test point becomes at maximum. (Photo 1)
2	RDS IND. Lighting Level Verification	88	60	88 MHz	—	Confirm that the RDS IND. to light up.

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.

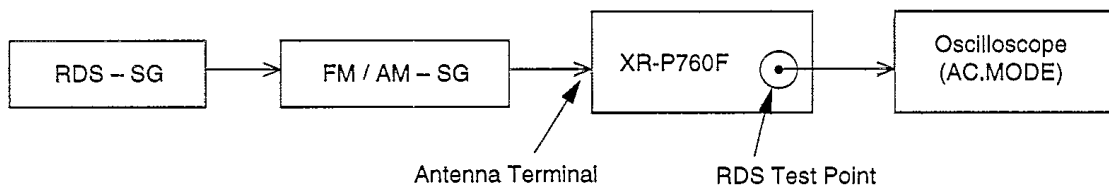


Fig. 2-1 RDS Adjustment Wiring Diagram

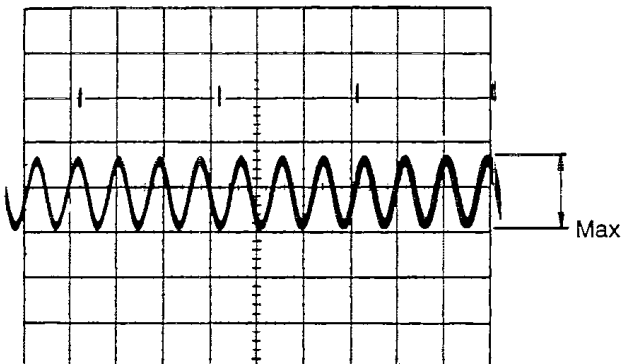


Photo 1

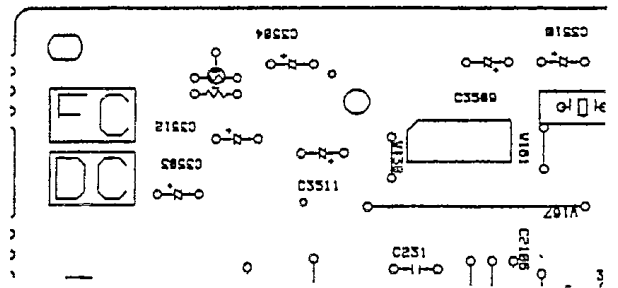


Fig. 2-2 Adjustment Points