

Service Manual



ORDER NO.
RRV1774

STEREO FILE-TYPE CD CASSETTE DECK RECEIVER

XR-P670F

●Refer to the service manual RRV1712 for XR-P670F/KUXJ.



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

Type	Model	Power Requirement	Remarks
	XR-P670F		
MYXK	○	AC220V - 230V	
NVXK	○	AC230V	

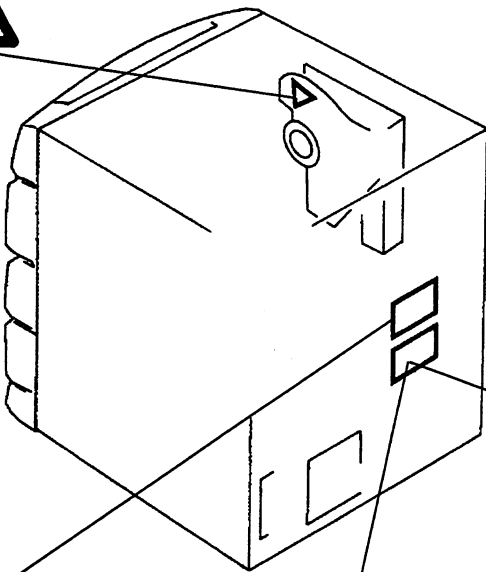
CONTENTS

- 1. SAFETY INFORMATION 2
- 2. CONTRAST OF MISCELLANEOUS PARTS ... 3
- 3. SCHEMATIC DIAGRAM 8
- 4. PCB CONNECTION DIAGRAM 17
- 5. ADJUSTMENT 31

1. SAFETY INFORMATION

<p>VARO! AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.</p>		<p>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.</p>	
<p>ADVARSEL: USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHED SAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.</p>	<p>LASER Kuva 1 Lasersäteilyn varoitusmerkki</p>	<p>IMPORTANT THIS PIONEER APPARATUS CONTAINS LASER OF CLASS 1. SERVICING OPERATION OF THE APPARATUS SHOULD BE DONE BY A SPECIALLY INSTRUCTED PERSON.</p>	<p>LASER Picture 1 Warning sign for laser radiation</p>
<p>WARNING! OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.</p>		<p>LASER DIODE CHARACTERISTICS MAXIMUM OUTPUT POWER: 5 mw WAVELENGTH: 780 – 785 nm</p>	

LABEL CHECK



NVXK type only

Additional Laser Caution

- 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 CLMP terminal side (CLMP signal is OFF or high level.) Thus, the interlock will no longer function if the switch (S651) 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).
- 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 RRV1712.

<p>ADVARSEL USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHED SAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.</p>	<p>VORSICHT! UNSIHTBARE LASER-STRÅLUNG TRITTT AUS, WENN DECKEL(ODER KLAPPE)GEÖFFNET IST! NICHT DEM STRAHL AUSSETZEN!</p>
<p>VARO! Avattaessa ja suojelukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.</p>	<p>WARNING! Osynlig laserstråling når denne del är öppnad och spårren är urkopplad. Betrakta ej strålen.</p>

MYXK 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 Δ 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.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

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

560 Ω \rightarrow $56 \times 10^1 \rightarrow 561$ RD1/4PU $\boxed{5}\boxed{6}\boxed{1}$ J
 47 k Ω \rightarrow $47 \times 10^3 \rightarrow 473$ RD1/4PU $\boxed{4}\boxed{7}\boxed{3}$ J
 0.5 Ω \rightarrow R50 RN2H $\boxed{R}\boxed{5}\boxed{0}$ K
 1 Ω \rightarrow 1R0 RS1P $\boxed{1}\boxed{R}\boxed{0}$ K

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

5.62 k Ω \rightarrow $562 \times 10^1 \rightarrow 5621$ RN1/4PC $\boxed{5}\boxed{6}\boxed{2}\boxed{1}$ F

■ CONTRAST OF XR-P670F/MYXK AND NVXK.

XR-P670F/MYXK, NVXK and KUXJ have the same construction except for the following :

Mark	Symbol & Description	Part No.			Remarks
		KUXJ	MYXK	NVXK	
NSP	FM/AM TUNER MODULE	AXQ7061	AXQ7078	AXQ7078	
	MAIN ASSY	AWK7371	AWK7370	AWK7370	
	AF ASSY	AWZ8643	AWZ8642	AWZ8642	
	AMP ASSY	AWZ8647	AWZ8646	AWZ8646	*1
	POWER SUPPLY ASSY	AWZ8649	AWZ8648	AWZ8648	*2
NSP	PRIMARY ASSY	AWZ8651	AWZ8650	AWZ8650	
	SECONDARY ASSY	AWZ8656	AWZ8655	AWZ8655	
	TX CONNECT ASSY	AWZ8660	AWZ8659	AWZ8659	*3
	REGULATOR ASSY	AWZ8683	AWZ8682	AWZ8682	*4
NSP	COMPLEX ASSY	AWM7287	AWM7286	AWM7286	
NSP	GM-CD ASSY	AWZ8662	AWZ8661	AWZ8661	
	DISPLAY ASSY	AWZ8667	AWZ8666	AWZ8666	
	MIC & HP ASSY	AWZ8672	AWZ8671	AWZ8671	*5
	CENTER SW ASSY	AWZ8677	AWZ8676	AWZ8676	
	LEFT SW ASSY	AWZ8679	AWZ8678	AWZ8678	
NSP	RIGHT SW ASSY	AWZ8681	AWZ8680	AWZ8680	
NSP	HOME SW ASSY	AWZ8685	AWZ8684	AWZ8684	*6
NSP	MOTOR ASSY	AWZ8687	AWZ8686	AWZ8686	*7
NSP	DOOR SW ASSY	AWZ8689	AWZ8688	AWZ8688	*8
	Screw	Not used	ABA-115	ABA-115	*9, No.1
Δ	Spring L	ABH7102	ABH7028	ABH7028	
	Spring R	ABH7103	ABH7029	ABH7029	
	AC Power Cord	PDG1057	ADG7008	ADG7007	
	FM Antenna	ADH7004	ADH7005	ADH7005	
	Connector Assy 5P	RKP1682	ADX7045	ADX7045	
NSP	Connector Assy 3P	RKP1683	ADX7046	ADX7046	
	Fuse (FU1 : 4A)	REK1082	Not used	Not used	
	Fuse (FU1 : T1.6A)	Not used	AEK1056	AEK1056	
	Packing Case	AHD7381	AHD7385	AHD7385	
	Packing Sheet	AHG7003	AHG7001	AHG7001	
	Polyethylene Bag	AHG7030	AHG1091	AHG1091	
	Eject Arm L	AMR7074	AMR7024	AMR7024	
Eject Arm R	AMR7075	AMR7025	AMR7025		
CD Case Stand	AMR7072	AMR7086	AMR7086		
Rear Panel	ANC7514	ANC7519	ANC7520		

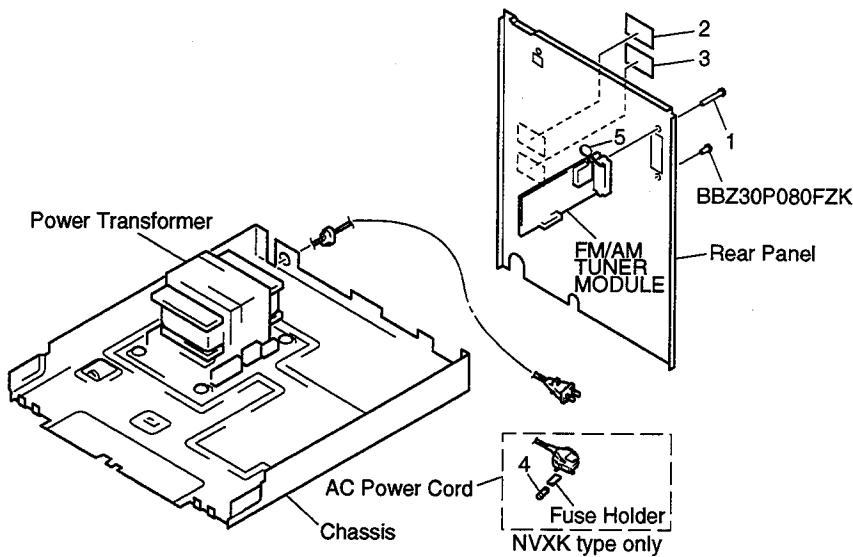
XR-P670F

Mark	Symbol & Description	Part No.			Remarks
		KUXJ	MYXK	NVXK	
NSP	Operating Instructions (English)	ARB7095	Not used	ARB7095	
	Operating Instructions (French/Swedish/Spanish/Portuguese)	Not used	ARC7140	Not used	
NSP	Operating Instructions (English/French/German/Italian)	Not used	ARE7097	Not used	
	Caution Label (F)	Not used	ARW1046	ARW1046	*9, No.2
	Caution Label	Not used	ARW1047	ARW1050	*9, No.3
Δ	AM Loop Antenna	ATB7009	ATB7006	ATB7006	
Δ	Power Transformer (AC 120V)	ATS7151	Not used	Not used	
Δ	Power Transformer (AC 220-230V)	Not used	ATS7150	ATS7150	
	Fuse (T5A) (For AC Power Cord)	Not used	Not used	AEK7001	*9, No.4
	Damper Assy	AXA7051	AXA7021	AXA7021	
	Front Panel	AZA7216	AZA7259	AZA7259	
	Ceramic Capacitor	Not used	CKDYB102K50	CKDYB102K50	*9, No.5
	Cord Stopper	CM-22C	CM-22B	CM-22B	
	UK Cord Protector	Not used	Not used	AHA7130	*9, No.6
	65 Label	ORW1069	Not used	Not used	
	Caution Label (G)	Not used	VRW-329	VRW-329	*10

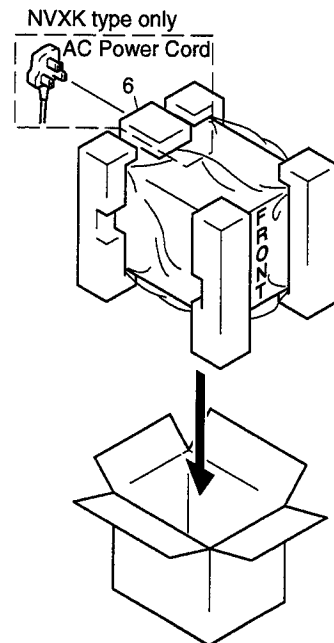
- *1 : Although AWZ8646 and AWZ8647 are different in part number, they consist of the same components.
- *2 : Although AWZ8648 and AWZ8649 are different in part number, they consist of the same components.
- *3 : Although AWZ8659 and AWZ8660 are different in part number, they consist of the same components.
- *4 : Although AWZ8682 and AWZ8683 are different in part number, they consist of the same components.
- *5 : Although AWZ8671 and AWZ8672 are different in part number, they consist of the same components.
- *6 : Although AWZ8684 and AWZ8685 are different in part number, they consist of the same components.
- *7 : Although AWZ8686 and AWZ8687 are different in part number, they consist of the same components.
- *8 : Although AWZ8688 and AWZ8689 are different in part number, they consist of the same components.
- *9 : The numbers in the remarks column correspond to the numbers on the exploded diagram, Refer to "EXPLODED VIEWS"
- *10 : This part is used for XR-P670F/DLXJ/NC. Refer to the service manual RRV1712.

■ EXPLODED VIEWS

EXTERIOR SECTION



PACKING SECTION



AF ASSY

AWZ8642 and AWZ8643 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8643	AWZ8642	
	IC3501 Q1020 Q3501 Q3502 Q3503	Not used 2SA1037K Not used Not used Not used	LA2232M Not used 2SA1037K DTC143EK 2SC2412K	
	D1014 D1015, D1029 D1027, D1028 L1001, L1002 C1049-C1052, C1056	MTZJ4.3C Not used S5688G ATH-133 Not used	Not used 1SS254 1SS254 ATH-059 CKSQYF104Z50	
	C1053, C1054, C3501, C3507 C1075 C3503, C3510, C3512 C3504 C3505	Not used CEAS1R0M50 Not used Not used Not used	CKSQYB103K50 Not used CEAS4R7M50 CEAS220M10 CKSQYB332K50	
	C3508 C3509, C3511 C3513 C3514, C3515 C3516	Not used Not used Not used Not used Not used	CCSQCH271J50 CEAS100M50 CKSQYB223K50 CKSQYB333K50 CKSQYB682K50	
	C3551 R1063, R1064 R1090 R1091 R1092	Not used Not used RS1/10S104J RS1/10S152J RD1/2PM330J	CKSQYB332K50 RD1/4PM100J Not used Not used Not used	
	R3501 R3502 R3504 R3505 R3506	Not used Not used Not used Not used Not used	RS1/10S473J RD1/4PU102J RS1/10S101J RS1/10S221J RS1/10S472J	
	R3507, R3509, R3515, R3516, R3551 R3508 R3510 R3511 R3512	Not used Not used Not used Not used Not used	RS1/10S102J RD1/4PU564J RS1/10S562J RS1/10S332J RS1/10S103J	
	R3513 R3514 VR3501 (4.7kΩ) X3501 CERAMIC RESONATOR (456kHz) JA1003 2P PIN JACK	Not used Not used Not used Not used VKB1050	RS1/10S223J RS1/10S104J RCP1020 ASS7001 Not used	

PRIMARY ASSY

AWZ8650 and AWZ8651 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8651	AWZ8650	
Δ	L101	Not used	ATF-151	
Δ	C101, C102 (0.01μF/AC250V)	Not used	ACG7020	
Δ	R101 (2.2MΩ, 1/2W)	ACN-208	Not used	
	H101, H102 FUSE CLIP	AKR1004	AKR1003	

XR-P670F

SECONDARY ASSY

AWZ8655 and AWZ8656 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8656	AWZ8655	
△	IC5001, IC5002	Not used	AEK7017	
△	IC5006, IC5007	AEK7017	Not used	
△	C5001, C5006 (0.01μF/AC150V)	Not used	ACG1005	

GM-CD ASSY

AWZ8661 and AWZ8662 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8662	AWZ8661	
	L8002 C8018, C8019 R8010 R8015 R8041 R8047, R8048 R8990	PTL1014 CCSQCH470J50 RS1/10S0R0J Not used RS1/10S0R0J RS1/10S470J Not used	Not used Not used RS1/10S102J RS1/10S242J Not used RS1/10S0R0J RS1/10S0R0J	

DISPLAY ASSY

AWZ8666 and AWZ8667 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8667	AWZ8666	
	S2014-S2017 C2990 R2021	ASG1034 Not used RS1/10S102J	ASG1029 CKSQYB473K50 RS1/10S103J	

CENTER SW ASSY

AWZ8676 and AWZ8677 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8677	AWZ8676	
	D7403 S7401-S7415	SLR-342VCT31 ASG1034	BR3062X ASG1029	

LEFT SW ASSY

AWZ8678 and AWZ8679 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8679	AWZ8678	
	S7301	ASG1034	ASG1029	

RIGHT SW ASSY

AWZ8680 and AWZ8681 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8681	AWZ8680	
	S7101, S7102, S7201-S7203	ASG1034	ASG1029	

■ PCB PARTS LIST

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
AF FM/AM TUNER MODULE							
SEMICONDUCTORS							
	IC6201		LA1832ML		C6243		CEAS101M16
	IC6202		LC72131MD		C6231		CEAS1R0M50
	Q6102		2SC2223		C6227		CEAS220M16
	Q6203		2SC2705		C6236		CEAS2R2M50
	Q6201 ,Q6202		2SC2712		C6216		CEAS330M16
	Q6103 ,Q6214 ,Q6601		2SC2714		C6262		CEAS3R3M50
	Q6104 ,Q6105		2SK302		C6219		CEAS470M10
	Q6101		3SK194		C6244		CEAS470M16
	Q6204		DTA124ES		C6249 ,C6250 ,C6265 ,C6266		CEAS4R7M50
	Q6205		DTC124EK		C6258		CEJA470M16
	D6202		1SS254		C6215		CFTXA103J50
	D6101 -D6104		1SV228		C6214		CFTXA224J50
COILS AND FILTERS					C6115 ,C6125 ,C6126 ,C6211 ,C6254		CKSQYB102K50
	L6106		ATC1003		C6601		CKSQYB102K50
	L6105		ATC1015		C6102 ,C6114 ,C6121 ,C6123 ,C6124		CKSQYB103K50
	L6101		ATC1016		C6210 ,C6213 ,C6237 ,C6267 ,C6276		CKSQYB103K50
	L6102		ATC1017		C6279 ,C6281 ,C6604		CKSQYB103K50
	L6103		ATC1018		C6251 ,C6252		CKSQYB123K50
	L6104		ATC1019		C6606 ,C6607		CKSQYB182K50
	F6203		ATF-119		C6203 ,C6259		CKSQYB223K50
	F6206		ATF7008		C6228		CKSQYB472K50
	F6601		ATF7009		C6209		CKSQYB473K50
	F6204		ATF7010		C6230		CKSQYB821K50
	F6202 (455KHz)		ATF7011		C6218 ,C6223 ,C6255		CKSQYF103Z50
	L6107		ATH1043		C6220 ,C6226 ,C6242 ,C6256		CKSQYF223Z50
	L6603		LAU220J		C6225		CKSQYF473Z50
	L6206 ,L6208 ,L6605		LAU2R2J		C6610		CKSYB103K50
TRANSFORMERS				RESISTORS			
	T6201		ATB7008		R6602		RD1/4PU221J
	T6101		ATE7002		R6115 ,R6119 ,R6123 ,R6127 ,R6129		RS1/8S0R0J
					R6906 ,R6909 ,R6911		RS1/8S0R0J
					R6112		RS1/8S473J
					VR6201 (10KΩ)		RCP1045
					Other Resistors		RS1/10S□□□J
CAPACITORS				OTHERS			
	C6113 ,C6212 ,C6274 ,C6275 ,C6611		CCSQCH101J50		BN6202 2P TERMINAL WITH PAL		AKA7001
	C6116 ,C6208 ,C6221		CCSQCH150J50		X6202 CRYSTAL RESONATOR (456KHz)		ASS1066
	C6222		CCSQCH180J50		X6201 CRYSTAL RESONATOR (7.2000KHz)		ASS1093
	C6271		CCSQCH200J50		CN6201 14P SOCKET		KP200IA14L
	C6117		CCSQCH330J50		AM RF TUNING BLOCK		AXX7043
	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				

NOTE: When ordering service parts, be sure to refer to "2. CONTRAST OF MISCELLANEOUS PARTS".

Notes

1. RESISTORS

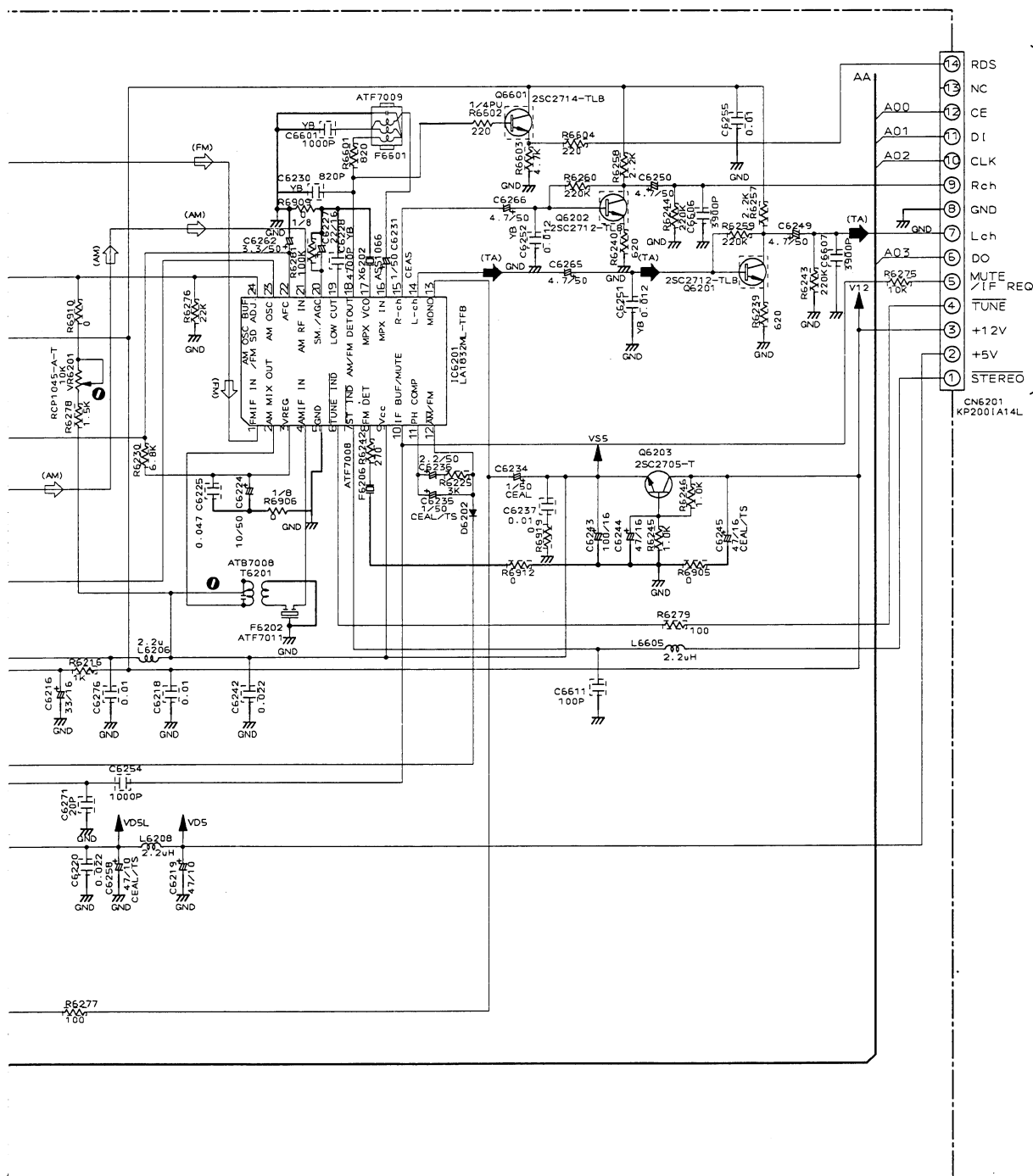
Indicated in Ω , $1/10W \pm 5\%$ Tolerance unless otherwise noted K, K Ω , M, M Ω .

2. CAPACITORS

Indicated in Capacity (μF)/VOLTAGE (V) unless otherwise noted P:PF.

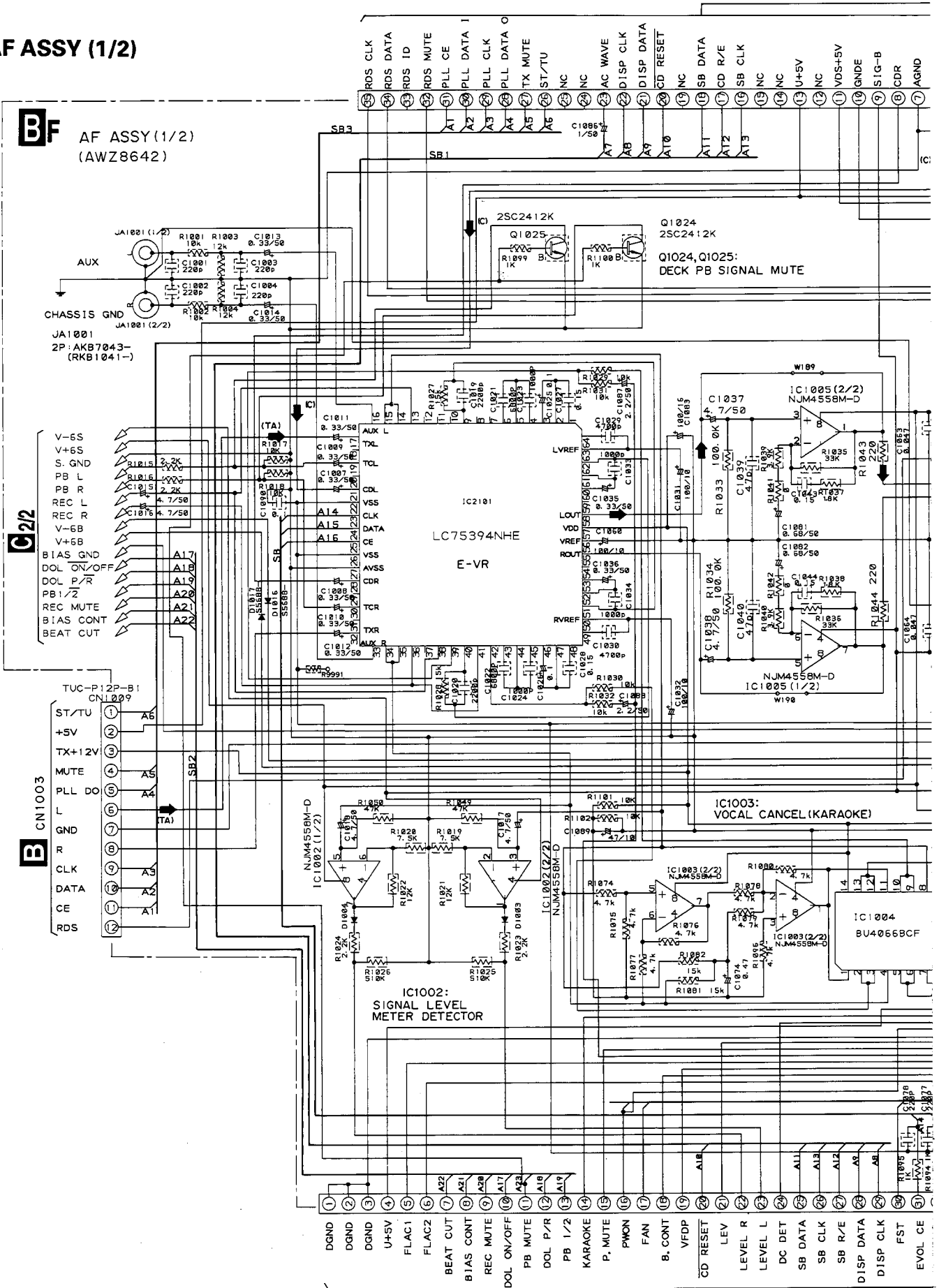
3. DIODES

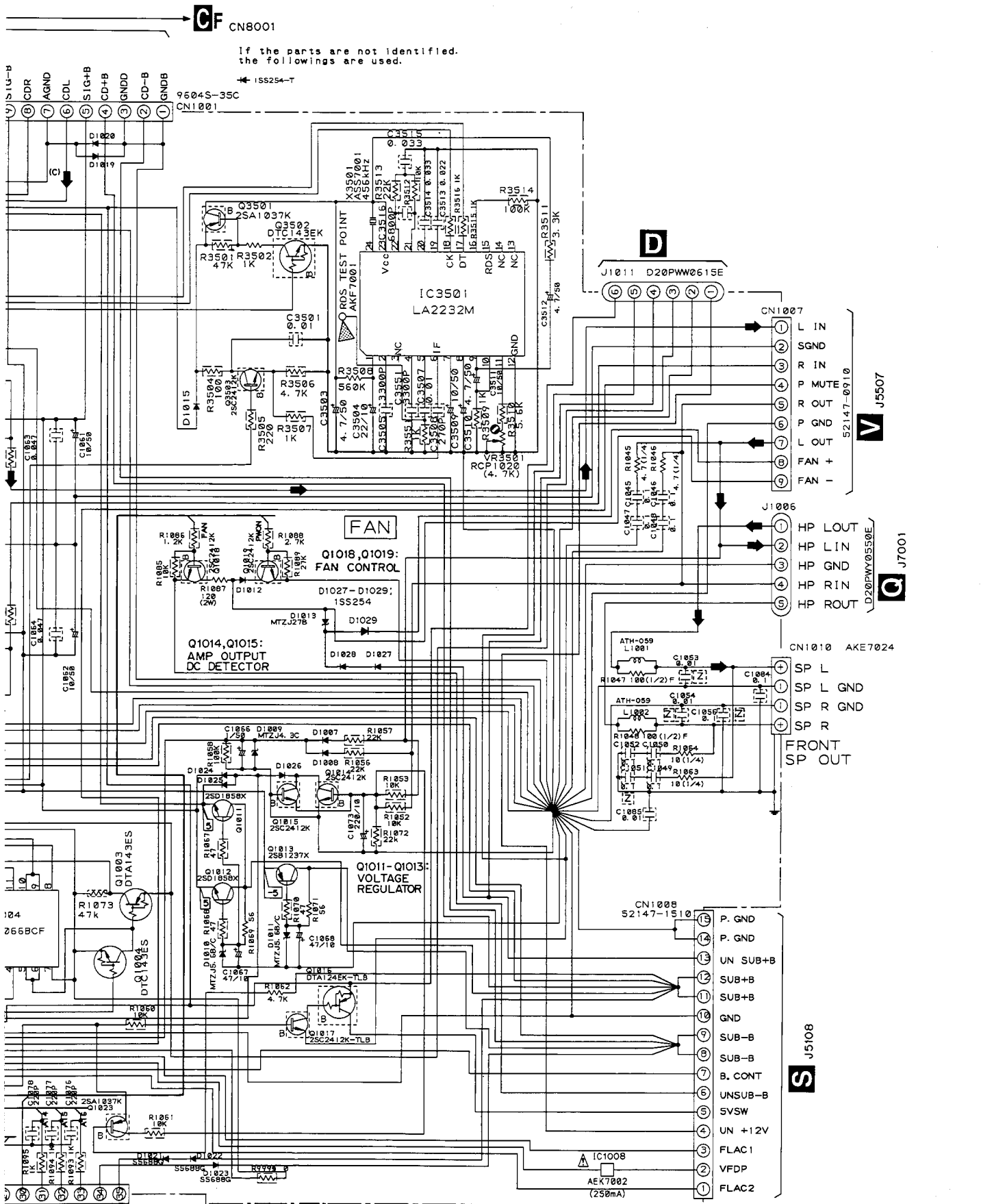
No mark diode is 1SS254.



B CN1004

3.2 AF ASSY (1/2)



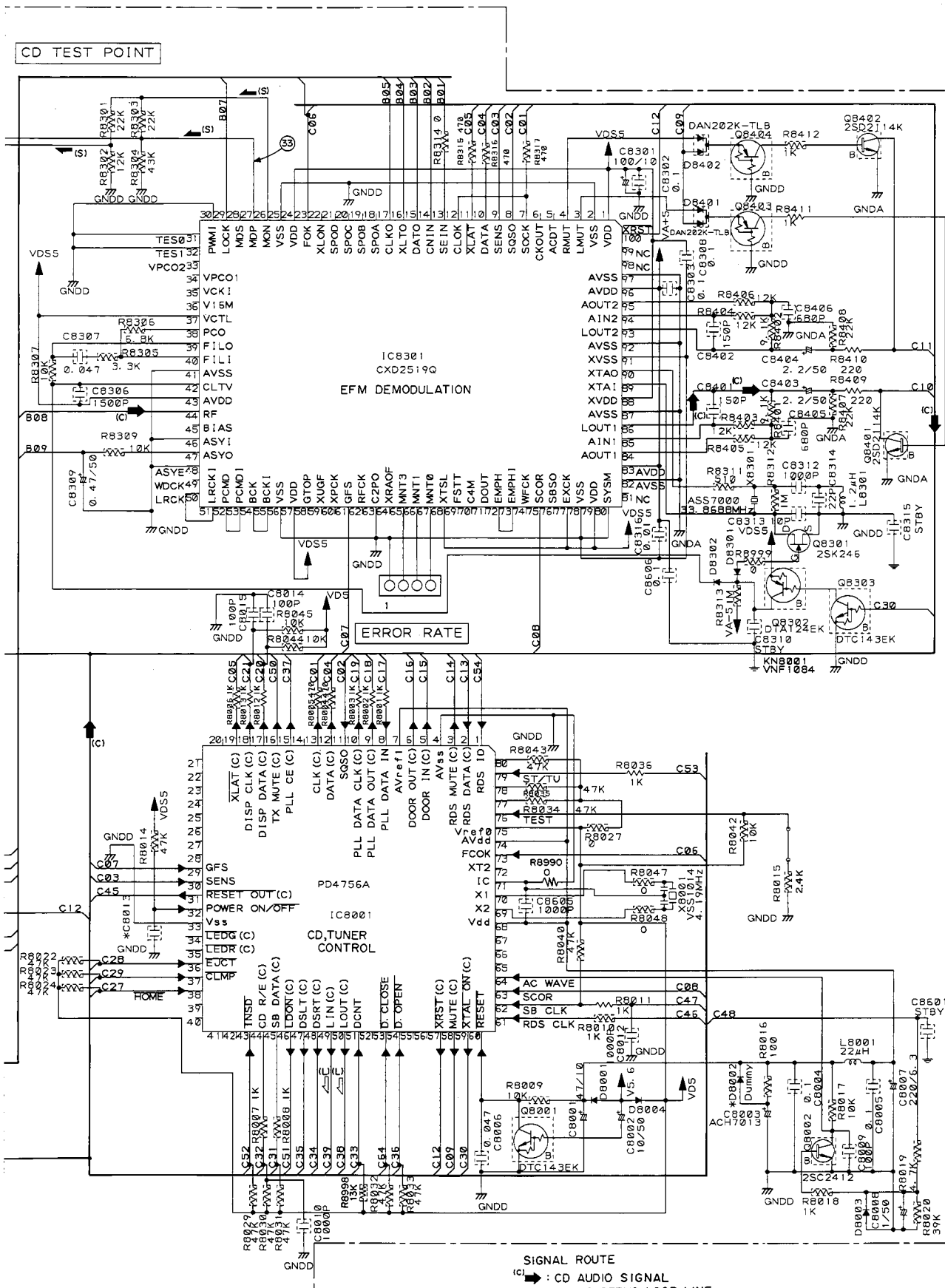


If the parts are not identified, the followings are used.

1SS254-T

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE No. 491.250 MFD. BY LITTELFUSE INK FOR IC1008

SIGNAL ROUTE
 (C) : CD AUDIO SIGNAL
 (TA) : TUNER AUDIO SIGNAL
 : AUDIO SIGNAL



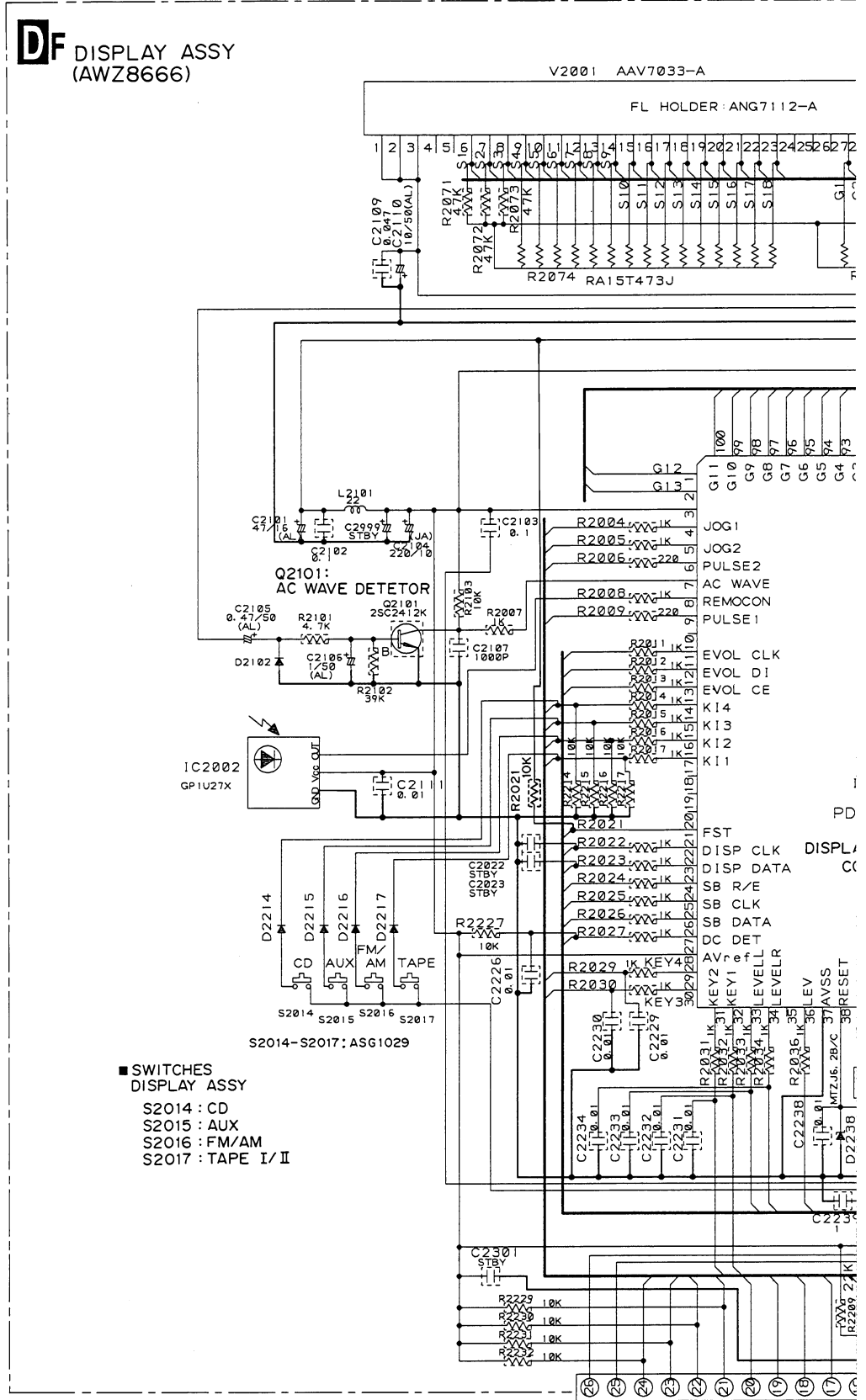
- SIGNAL ROUTE**
- (C) : CD AUDIO SIGNAL
 - (F) : FOCUS SERVO LOOP LINE
 - (T) : TRACKING SERVO LOOP LINE
 - (L) : LOADING MOTOR ROUTE
 - (S) : SPINDLE MOTOR ROUTE
 - (G) : CARRIAGE MOTOR ROUTE

If the parts are not identified, the followings are used.
 * ISS254-T

XR-P670F

3.4 DISPLAY ASSY

DF DISPLAY ASSY
(AWZ8666)

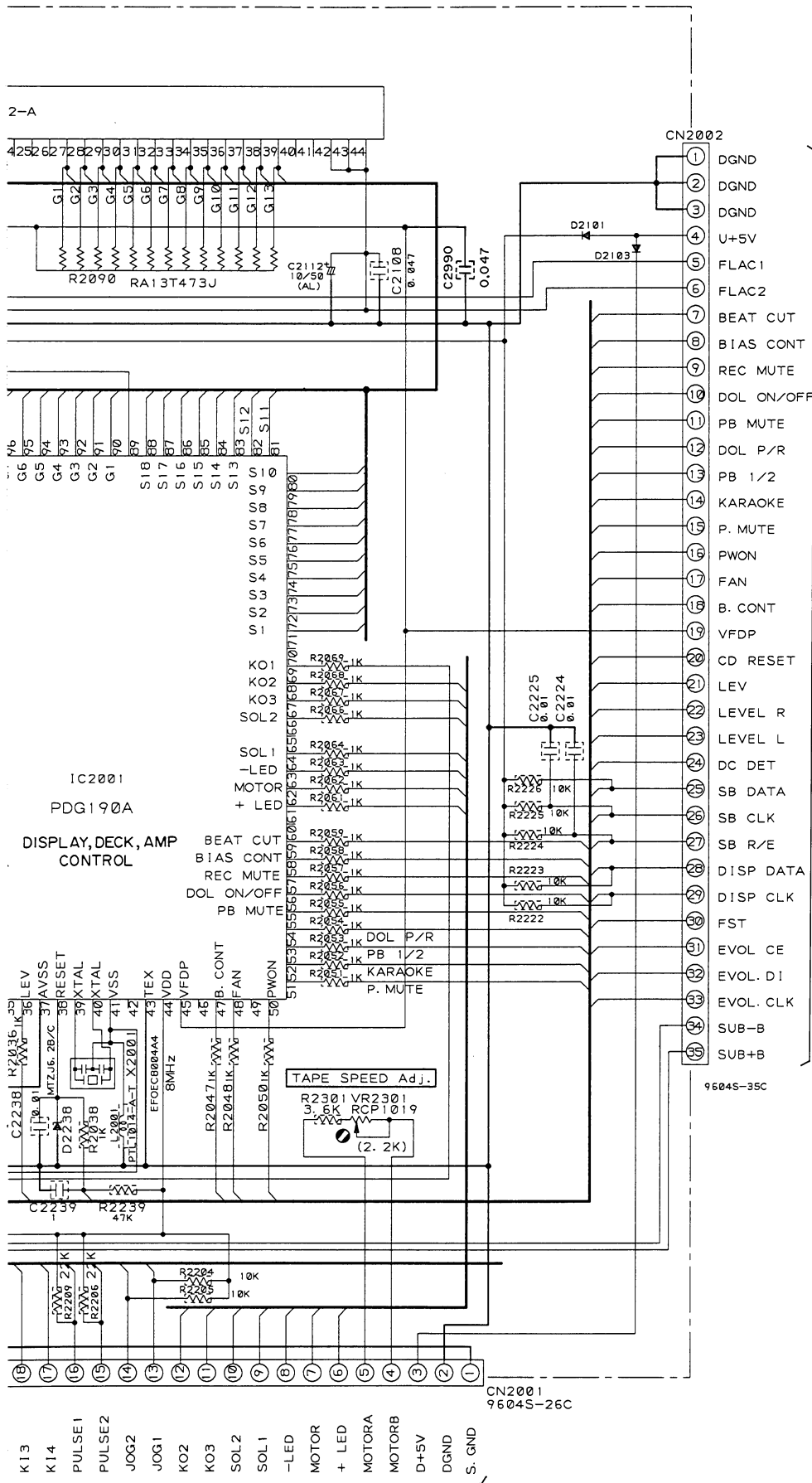


- SWITCHES
DISPLAY ASSY
- S2014 : CD
 - S2015 : AUX
 - S2016 : FM/AM
 - S2017 : TAPE I/II

If the parts are not identified,
the followings are used.

← ISS254-T

- V-6M
- V+6M
- KEY1
- KEY2
- KEY3
- KEY4
- K11
- K12
- K13
- K14



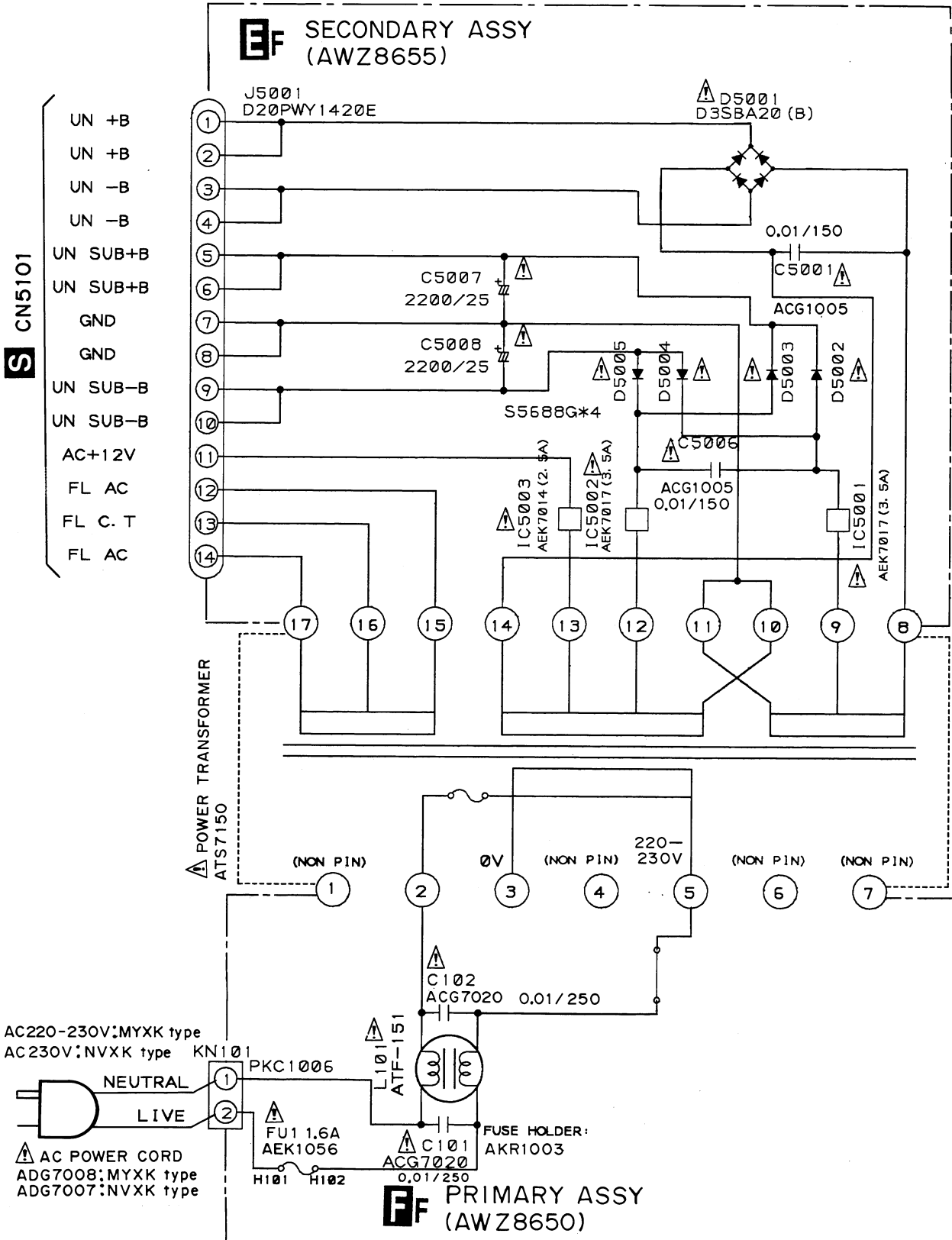
BF CN1002

N CN7401

XR-P670F

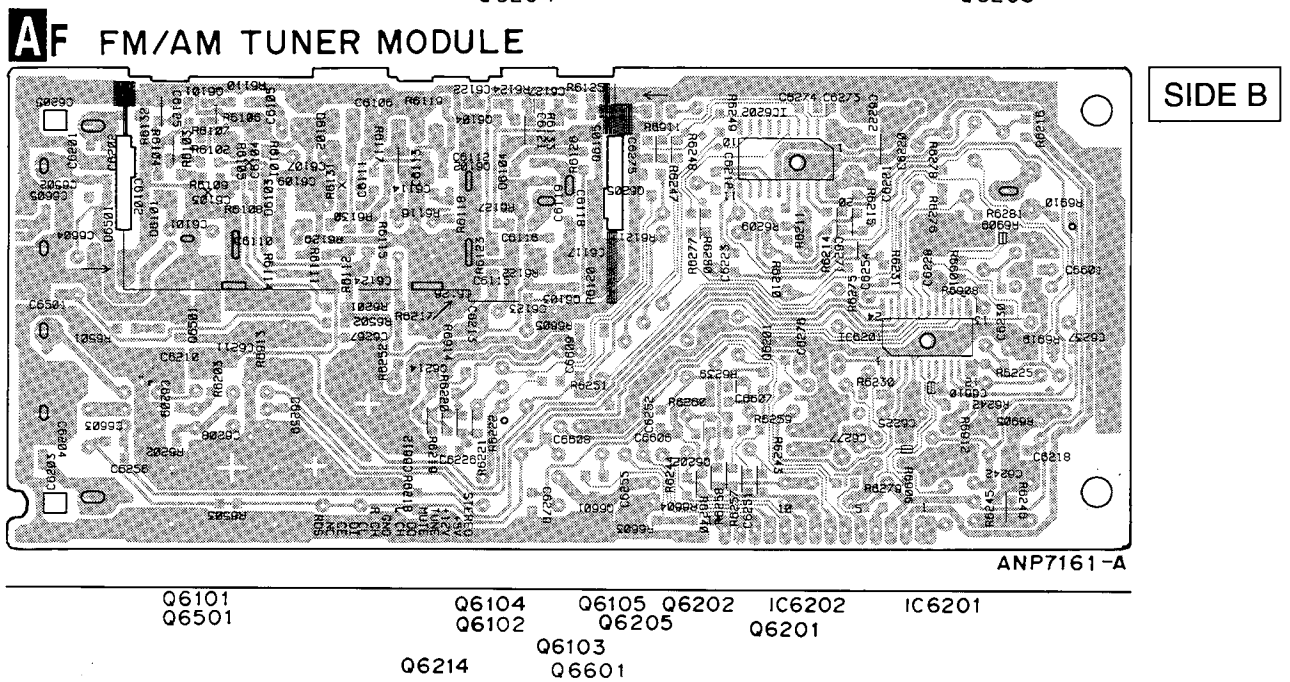
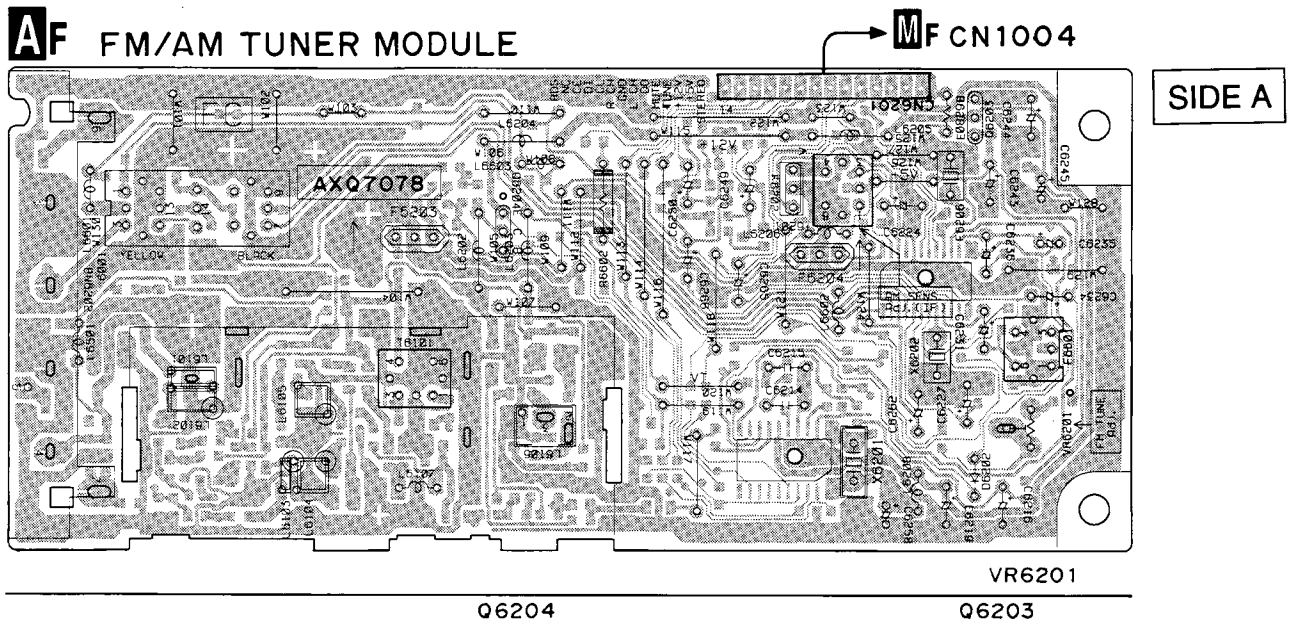
3.5 SECONDARY ASSY AND PRIMARY ASSY

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE No. 49103.5, 49102.5 MFD. BY LITTELFUSE INK FOR IC5001 - IC5003



4. PCB CONNECTION DIAGRAM

4.1 FM/AM TUNER MODULE



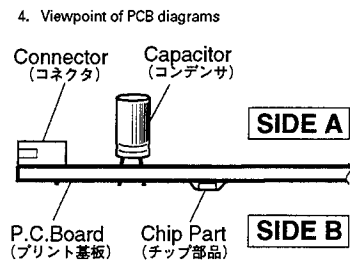
NOTE FOR PCB DIAGRAMS:

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
		Transistor
		Transistor with resistor
		Field effect transistor

		Resistor array
		3-terminal regulator

3. 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.



XR-P670F

4.2 AF ASSY

BF AF ASSY

Q4351 Q4352

Q4353

Q4354

VR4301 VR4351 VR4352

VR4302

VR3501

Q4151 Q4152

IC4401

VR4203 VR4201

VR4204 VR4202

CF CN8001

Q1004

Q1003

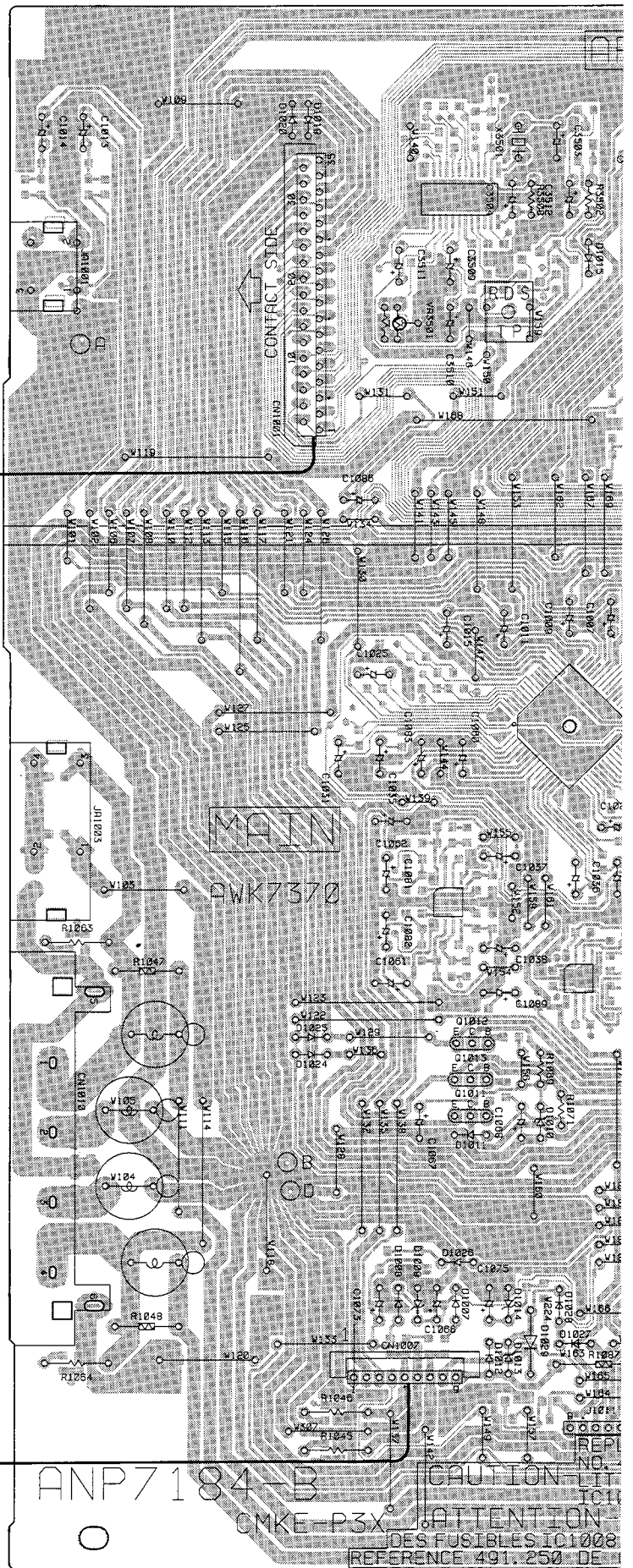
Q1012

Q1013

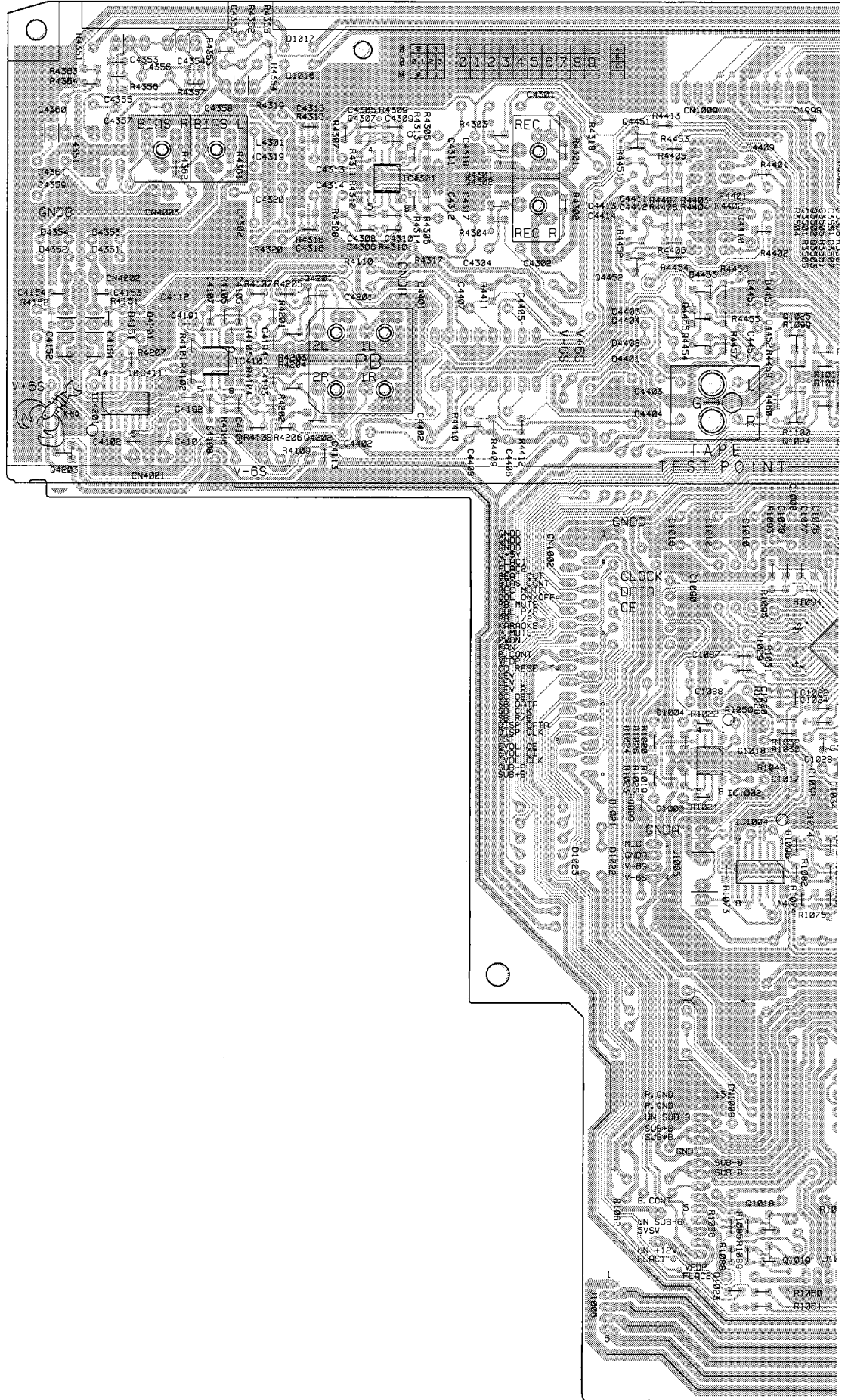
Q1011

IC1008

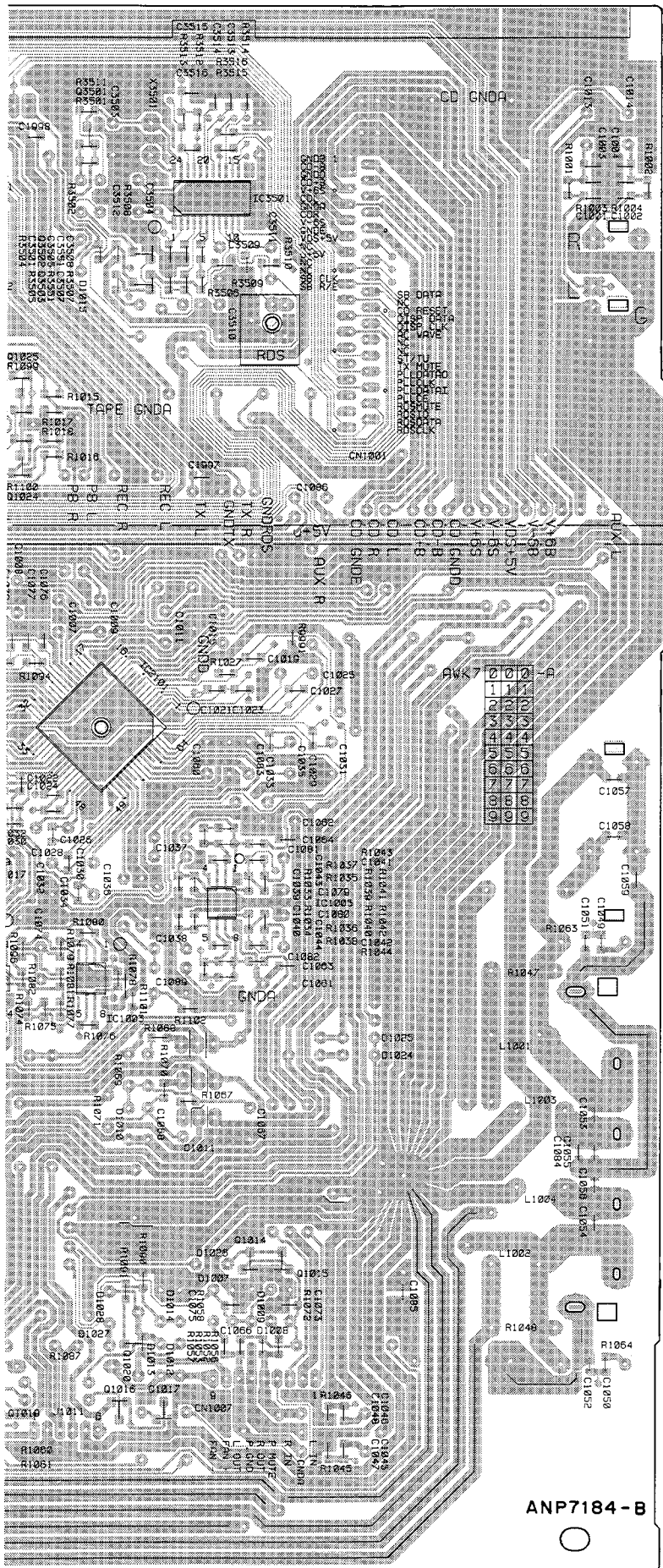
NF J5507



BF AF ASSY



SIDE B

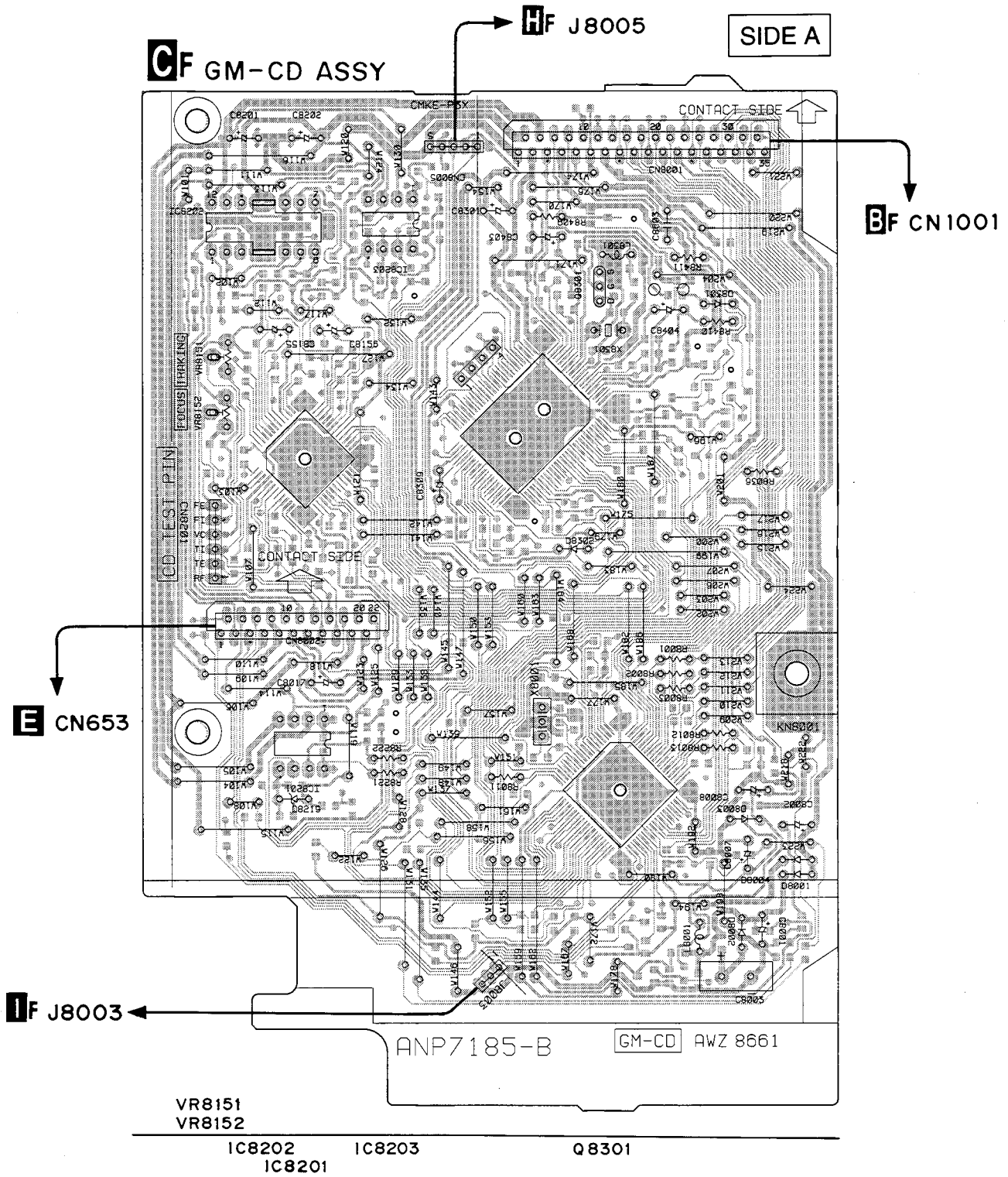


- Q3501
- Q4451
- IC4301 Q4301 IC3501
- Q4302
- Q3502
- Q4452 Q3503
- Q4201 Q4453
- Q4455 Q1025
- Q4454 Q1024
- IC4101
- IC4201
- Q4202 Q1024
- Q4203
- IC2101
- IC1002
- IC1005
- IC1004
- IC1003
- Q1014 Q1015
- Q1020
- Q1018
- Q1019 Q1016 Q1017
- Q1023

ANP7184-B

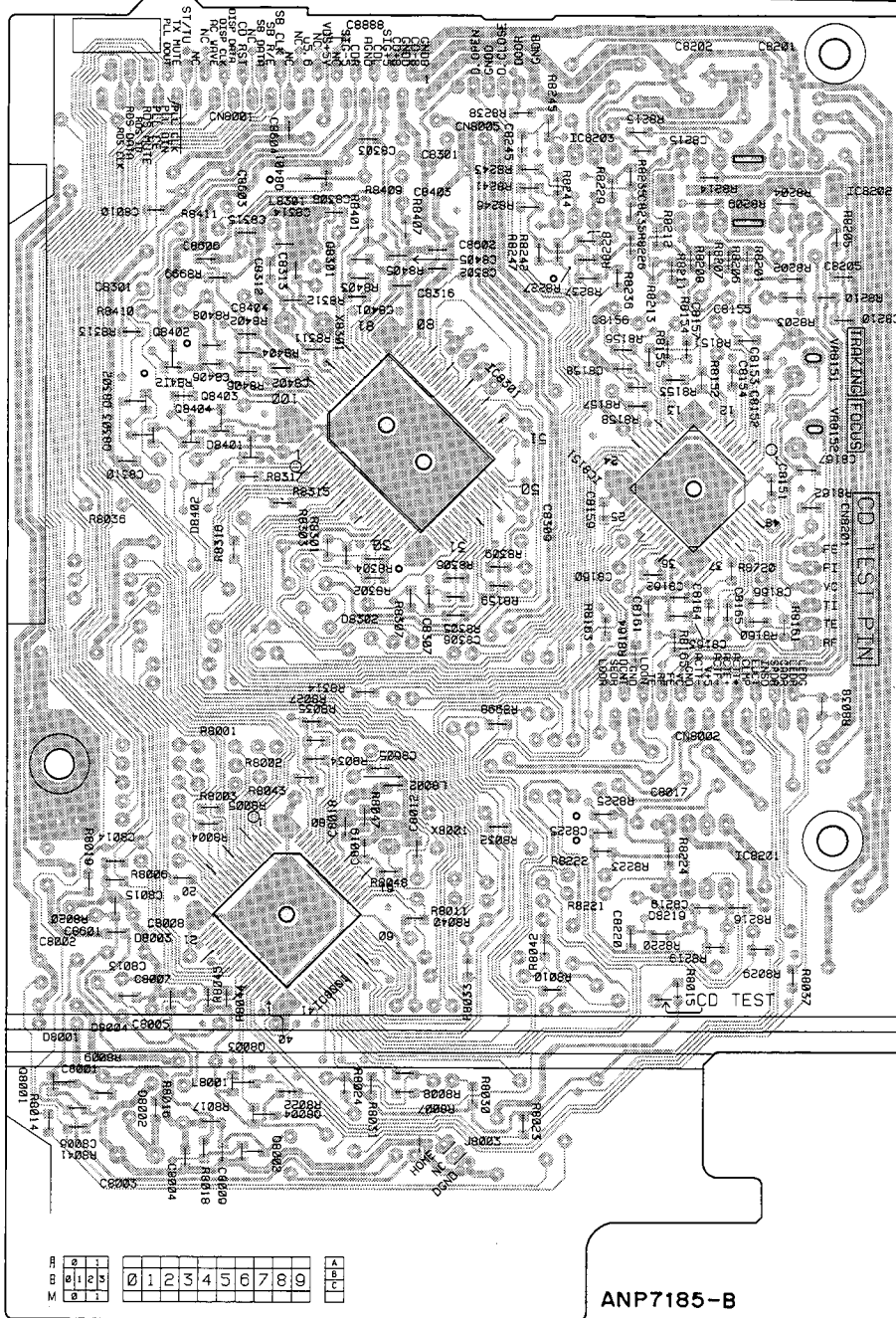
XR-P670F

4.3 GM-CD ASSY



CF GM-CD ASSY

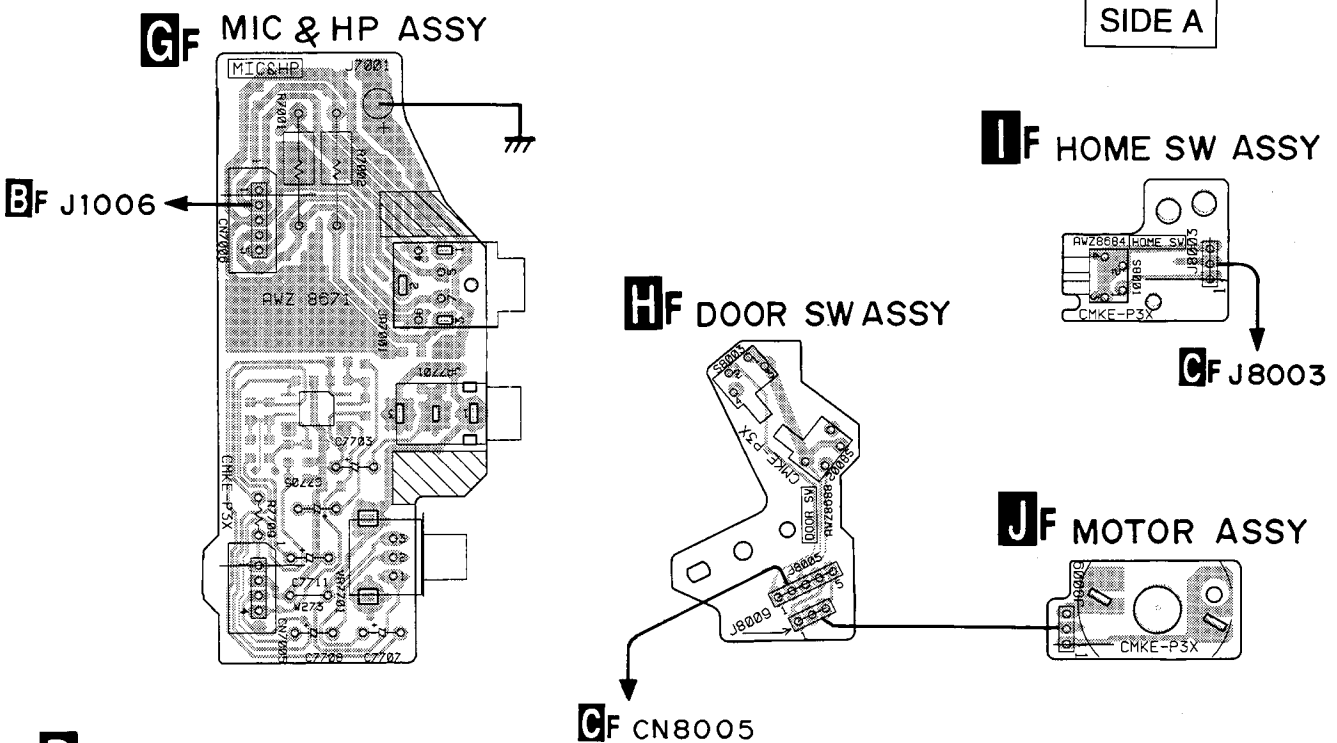
SIDE B



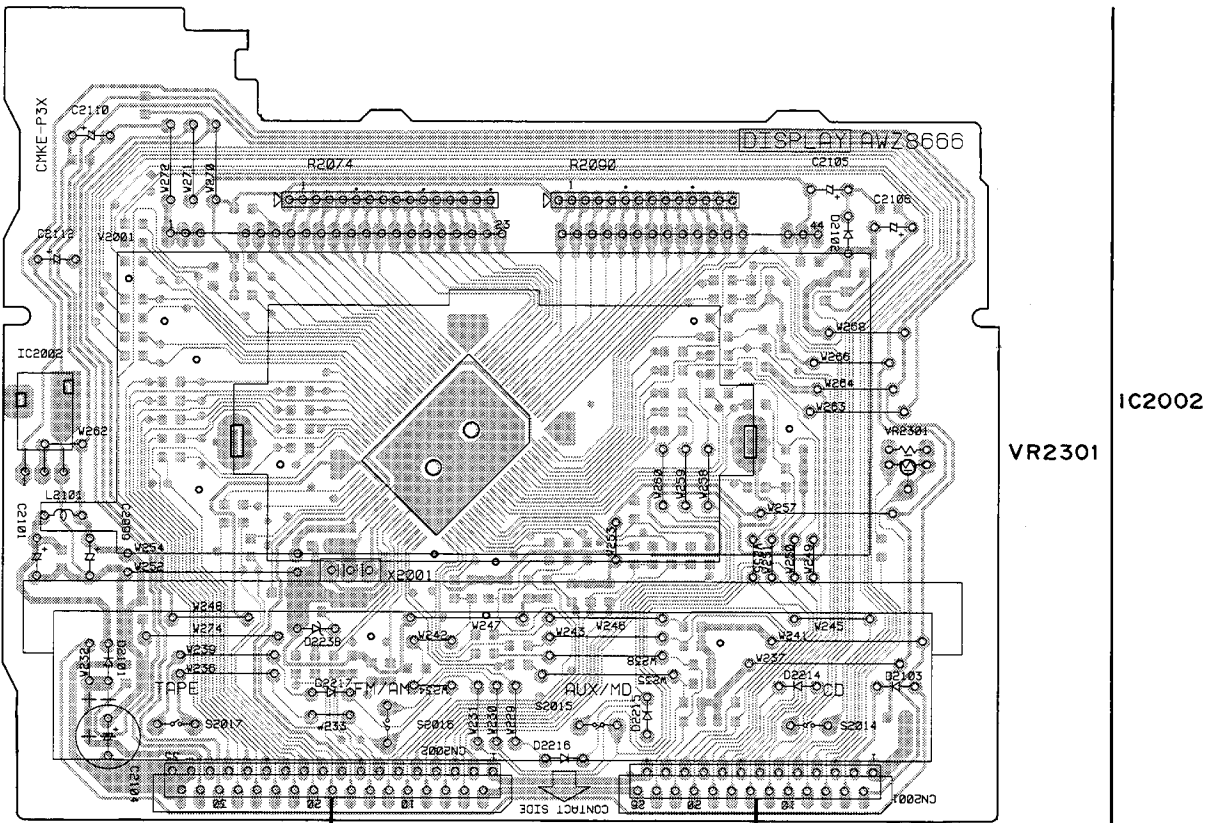
- Q8001 Q8402 Q8401 IC8301 IC8151
- Q8302 Q8403 IC8001
- Q8303 Q8404
- Q8003
- Q8004
- Q8002

XR-P670F

4.4 DISPLAY ASSY, MIC & HP ASSY, DOOR SW ASSY, HOME SW ASSY AND MOTOR ASSY

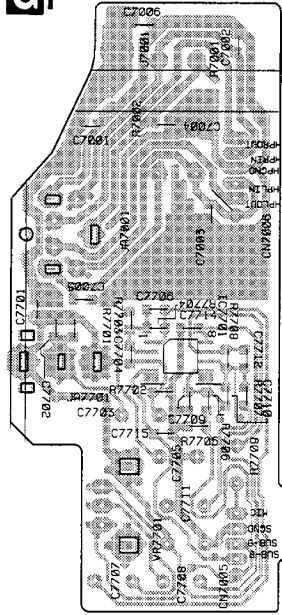


DF DISPLAY ASSY



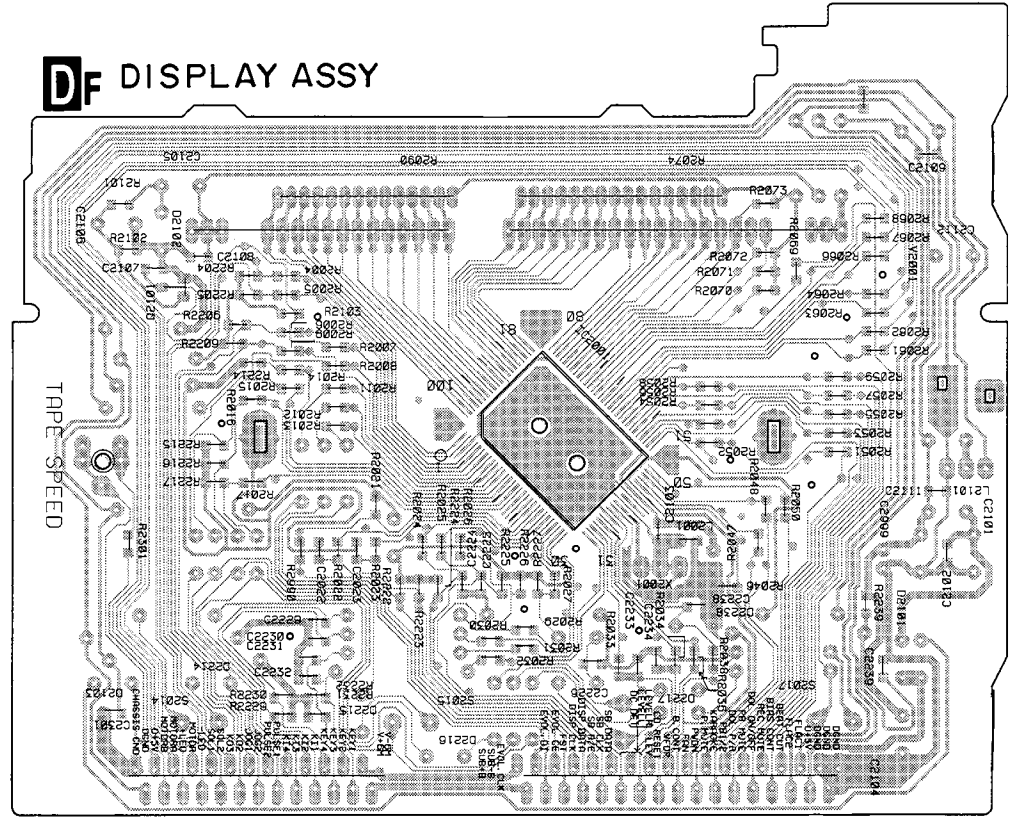
GF MIC & HP ASSY

SIDE B



DF DISPLAY ASSY

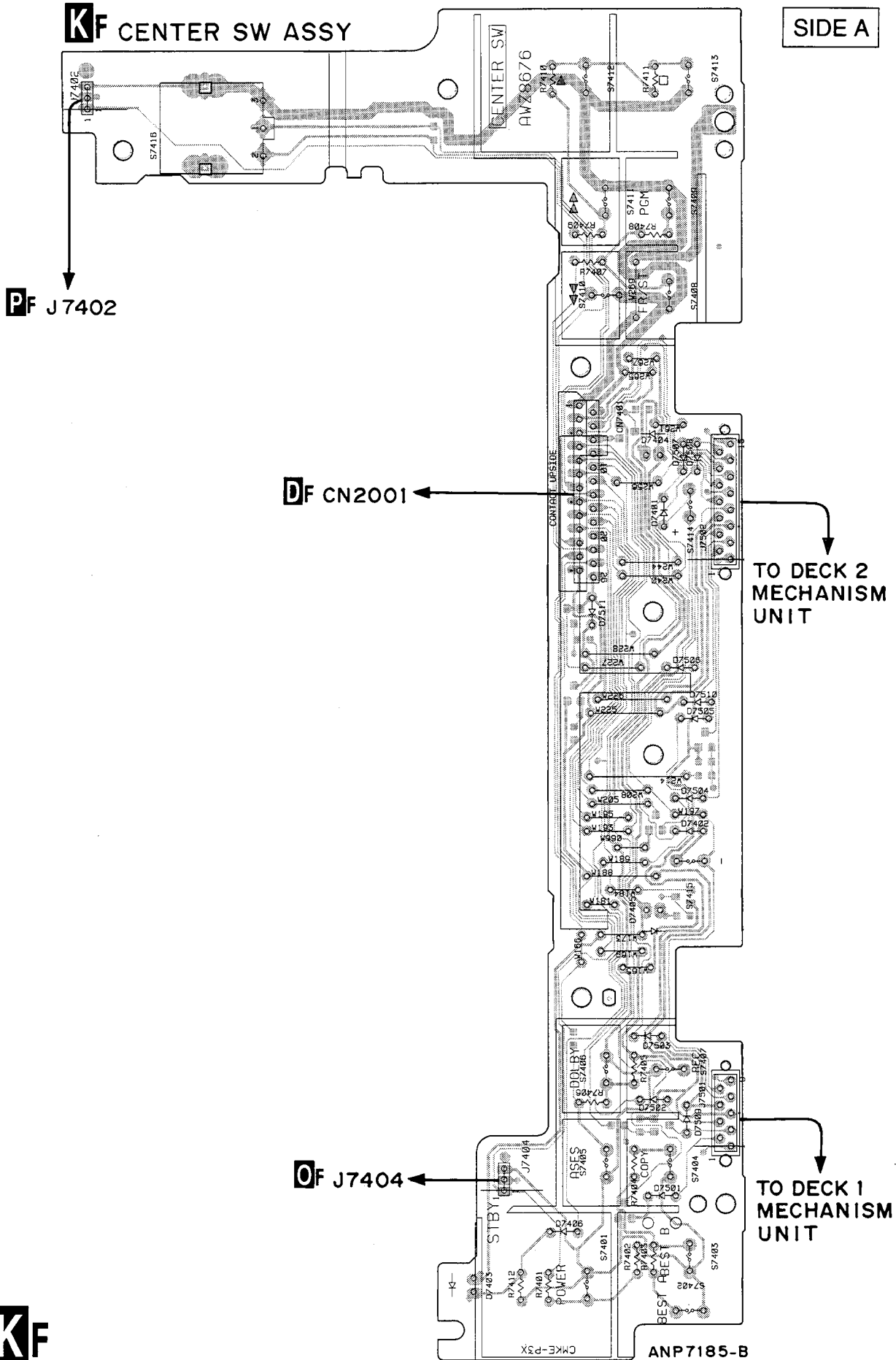
Q2101
IC2001



ANP7185-B

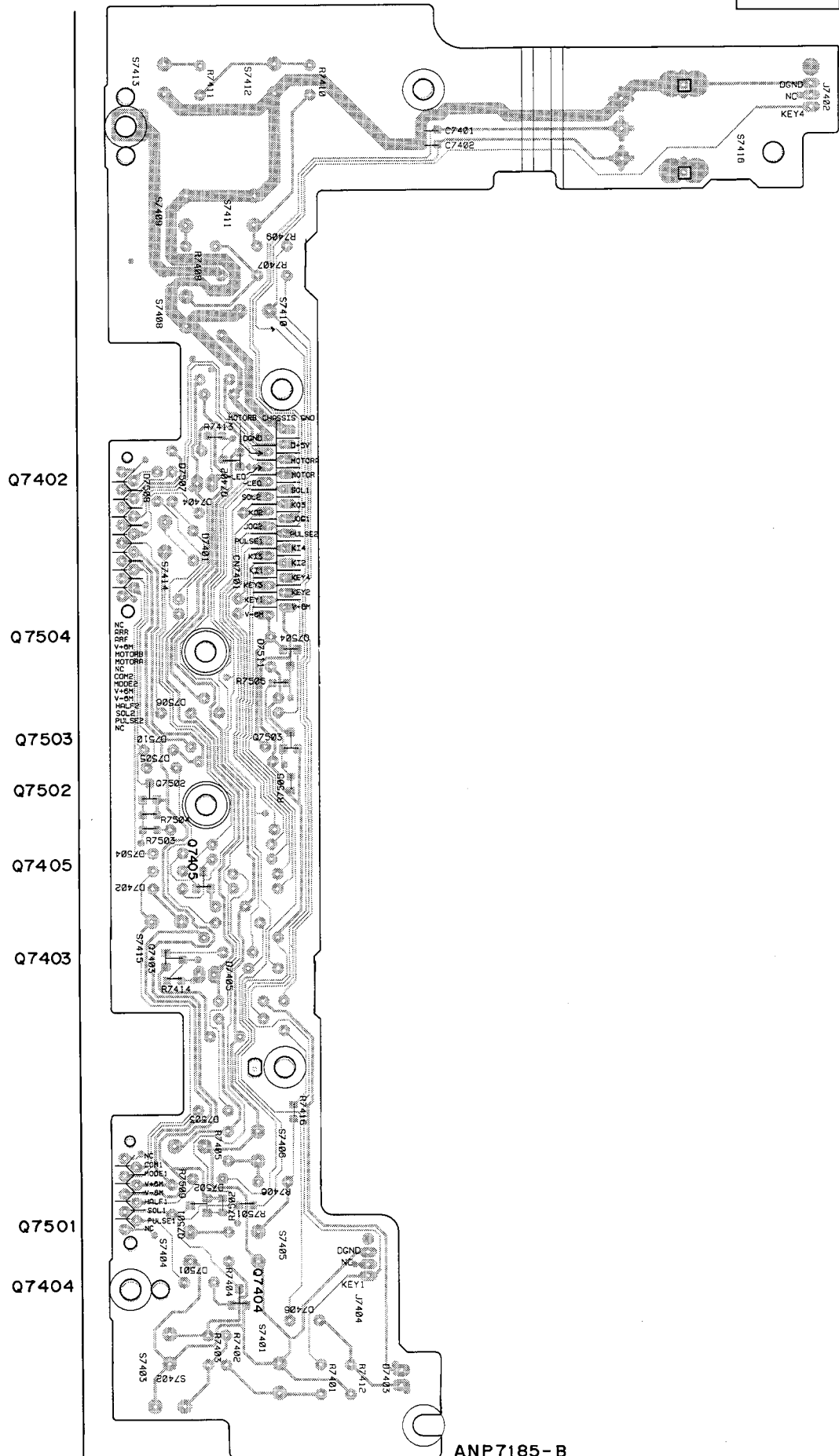
XR-P670F

4.5 CENTER SW ASSY



KF CENTER SW ASSY

SIDE B

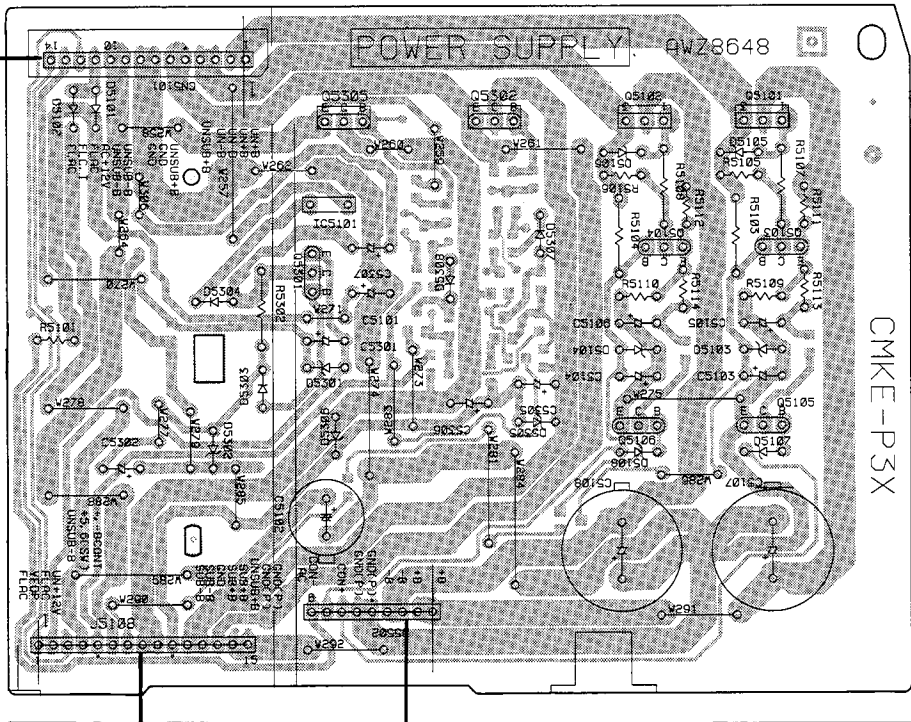


XR-P670F

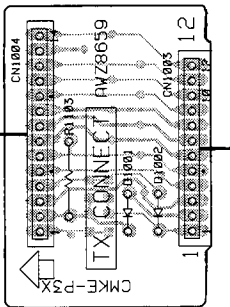
4.6 POWER SUPPLY ASSY, TX CONNECT ASSY AND AMP ASSY

LF POWER SUPPLY ASSY

SIDE A



MF TX CONNECT ASSY



BF J5001

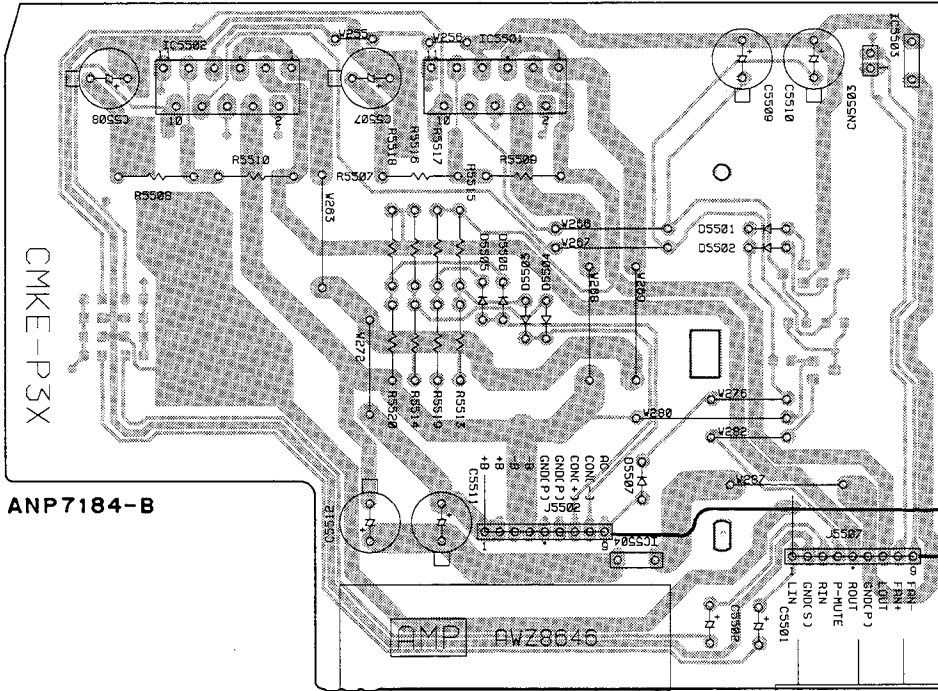
BF CN1009

BF CN1008

Q5305 IC5101 Q5301
 Q5302 Q5102 Q5101
 Q5104 Q5103
 Q5106 Q5105

AF CN6201

NF AMP ASSY



BF CN1007

IC5502

IC5501

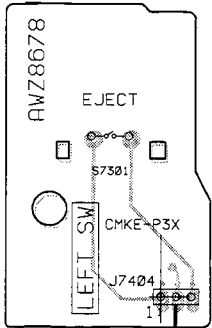
IC5504

IC5503

XR-P670F

4.7 LEFT SW ASSY, REGULATOR ASSY, RIGHT SW ASSY, SECONDARY ASSY AND PRIMARY ASSY

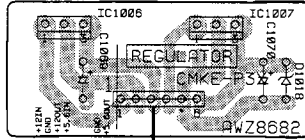
OF LEFT SW ASSY



ANP7185-B

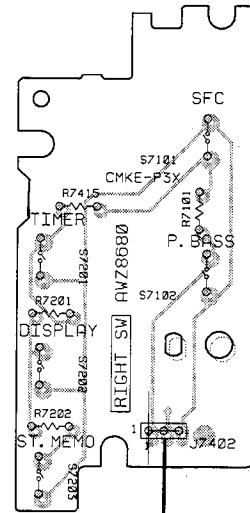
KF J7404

QF REGULATOR ASSY



BF J1011

PF RIGHT SW ASSY

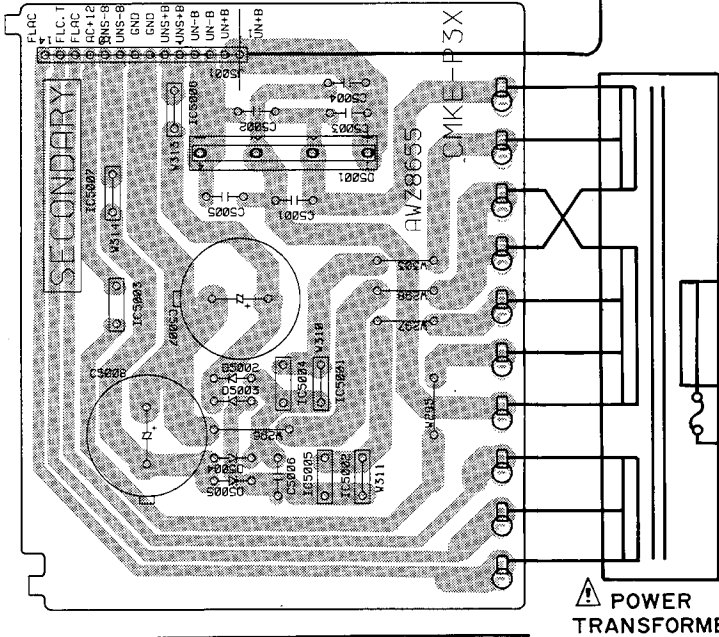


KF J7402

SIDE A

LF CN5101

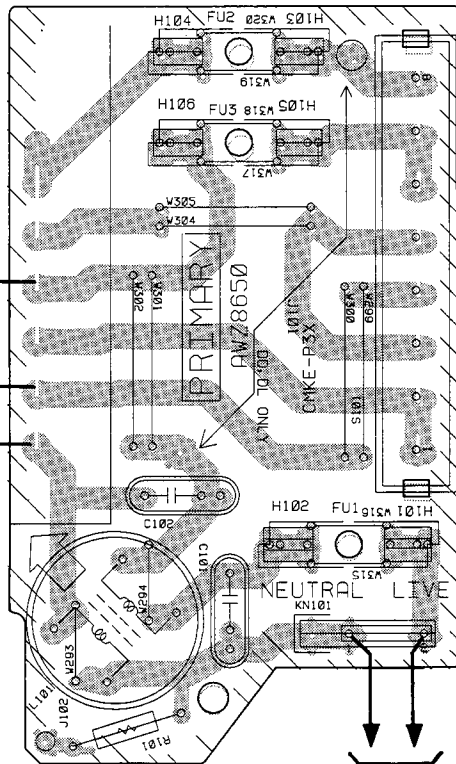
EF SECONDARY ASSY



IC5006
IC5007 IC5004 IC5001
IC5003 IC5005 IC5002

POWER TRANSFORMER

FF PRIMARY ASSY



ANP7184-B

TO AC POWER CORD

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.

Step No.	Adjustment Title	FM SG (1kHz, ± 75 kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dB μ V)			
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 \pm 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 (dB μ V/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

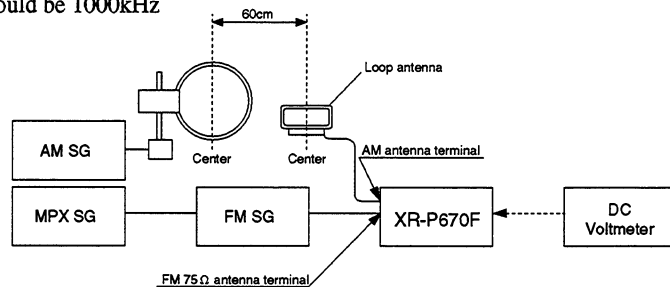


Fig. 1-1 AM and FM Adjustment Wiring Diagram

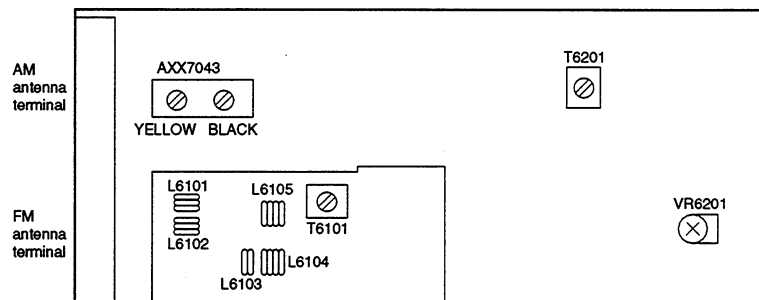


Fig. 1-2 Adjustment Points

XR-P670F

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 (dB μ V)			
1	RDS (BPF) Level	88	60	88 MHz	VR3501	Adjust so that the Waveform of 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.

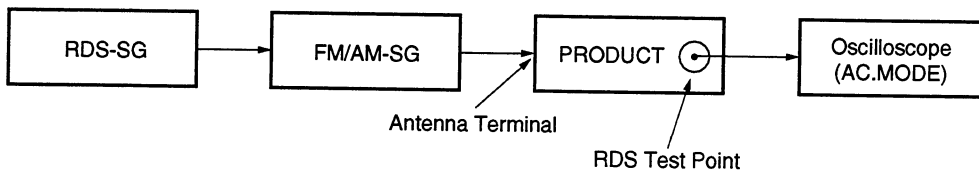


Fig. 1-3 RDS Adjustment Wiring Diagram

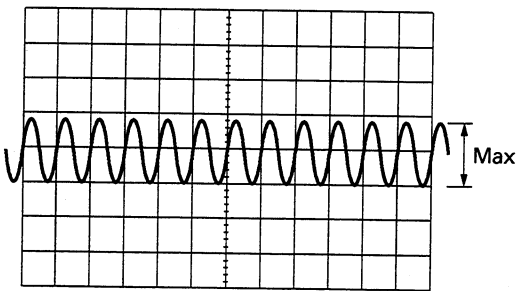


Photo 1

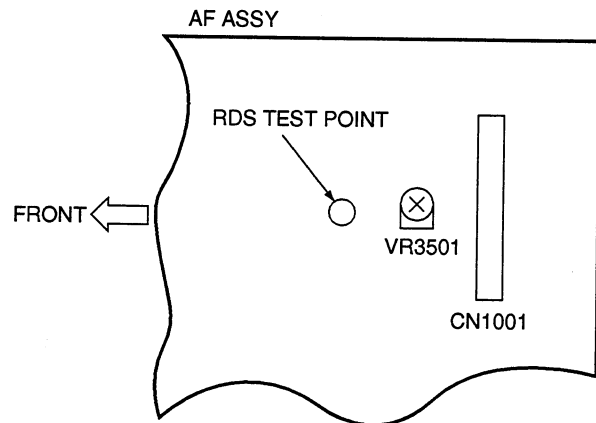


Fig. 1-4 Adjustment Points