

Service Manual

ORDER NO.
RRV2651

DVD/CD RECEIVER

XV-HTD5

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

Type	Model	Power Requirement	Region No.	The voltage can be converted by the following method.
	XV-HTD5			
DBDXJ/RC	○	AC110-127V/220-230V/240V	3	With the voltage selector
DDRXXJ/RD	○	AC110-127V/220-230V/240V	4	With the voltage selector
DDXJ/RA	○	AC110-127V/220-230V/240V	1	With the voltage selector
DDXJ/RB	○	AC110-127V/220-230V/240V	2	With the voltage selector
DLXJ/NC	○	AC110-127V/220-230V/240V	3	With the voltage selector

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

Model No.	Order No.	Remarks
XV-HTD50/MYXJ	RRV2634	

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1. 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.

● Screws adjacent to ∇ mark on product are used for disassembly.

● Reference Nos. indicate the pages and Nos. in the service manual for the base model.

● For the applying amount of lubricants or glue, follow the instructions in this manual.

(In the case of no amount instructions, apply as you think it appropriate.)

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

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

560 Ω \rightarrow 56×10^1 \rightarrow 561 RD1/4PU $\begin{bmatrix} 5 & 6 & 1 \end{bmatrix}$ J

47k Ω \rightarrow 47×10^3 \rightarrow 473 RD1/4PU $\begin{bmatrix} 4 & 7 & 3 \end{bmatrix}$ J

0.5 Ω \rightarrow R50 RN2H $\begin{bmatrix} R & 5 & 0 \end{bmatrix}$ K

1 Ω \rightarrow 1R0 RS1P $\begin{bmatrix} 1 & R & 0 \end{bmatrix}$ K

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

5.62k Ω \rightarrow 562×10^1 \rightarrow 5621 RN1/4PC $\begin{bmatrix} 5 & 6 & 2 & 1 \end{bmatrix}$ F

■ CONTRAST TABLE

XV-HTD5/DBDXJ/RC, DDXJ/RA, DDXJ/RB, DLXJ/NC, DDRXJ/RD and XV-HTD50/MYXJ are constructed the same except for the following :

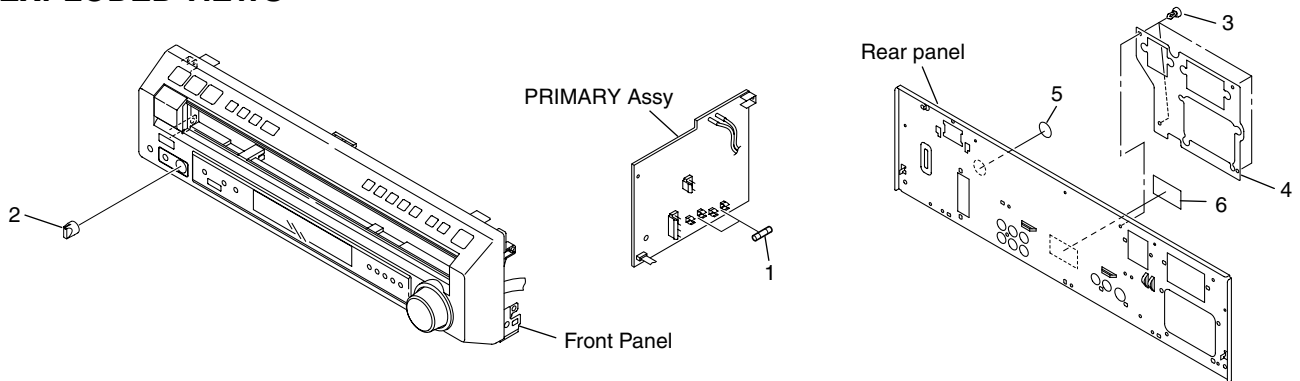
Ref. No.	Mark	Symbol and Description	Part No.						Remarks
			XV-HTD50 /MYXJ	XV-HTD5 /DBDXJ/RC	XV-HTD5 /DDRXJ/RD	XV-HTD5 /DDXJ/RA	XV-HTD5 /DDXJ/RB	XV-HTD5 /DLXJ/NC	
P9- 2		PCB ASSEMBLIES MAIN ASSY	XWX3056	XWX3057	XWX3057	XWX3057	XWX3057	XWX3057	
P9- 3		CONNECT ASSY	XWX3061	XWX3062	XWX3062	XWX3062	XWX3062	XWX3062	
P9- 5	NSP	COMPLEX ASSY	XWM3202	XWM3203	XWM3203	XWM3203	XWM3203	XWM3203	
P9- 7		— PRIMARY ASSY	XWZ3589	XWZ3590	XWZ3590	XWZ3590	XWZ3590	XWZ3590	
P9- 8		— F. AMP ASSY	XWZ3596	XWZ3597	XWZ3597	XWZ3597	XWZ3597	XWZ3597	
P9- 9		— R. AMP ASSY	XWZ3600	XWZ3601	XWZ3601	XWZ3601	XWZ3601	XWZ3601	
P9-11		— SPEAKER ASSY	XWZ3604	XWZ3603	XWZ3603	XWZ3603	XWZ3603	XWZ3603	
P11- 1		— DISPLAY ASSY	XWZ3606	XWZ3607	XWZ3607	XWZ3607	XWZ3607	XWZ3607	
P9-12		HP MIC ASSY	XWZ3609	XWZ3610	XWZ3610	XWZ3610	XWZ3610	XWZ3610	
P9-12		FM/AM TUNER Module	AXQ7229	AXQ7228	AXQ7228	AXQ7228	AXQ7228	AXQ7228	
P7- 6		PACKING SECTION FM Antenna	ADH7030	ADH7004	ADH7004	ADH7004	ADH7004	ADH7004	
P7- 9	NSP	Warranty Card	ARY7022	Not used	Not used	Not used	Not used	Not used	
P7-14		Packing Case	XHD3299	XHD3300	XHD3300	XHD3300	XHD3300	XHD3301	
P7-15		Operating Instructions (French/Italian/German)	XRC3062	Not used	Not used	Not used	Not used	Not used	
P7-16		Operating Instructions (Dutch)	XRC3063	Not used	Not used	Not used	Not used	Not used	
P7-17		Operating Instructions (Spanish)	XRC3064	Not used	XRC3064	Not used	Not used	Not used	
		Operating Instructions(Chinese)	Not used	XRC3065	Not used	Not used	Not used	XRC3065	
		Operating Instructions(Arabic)	Not used	Not used	Not used	Not used	XRC3066	Not used	
	Δ	Power Cord	Not used	Not used	XDG3009	Not used	Not used	Not used	
	Δ	Power Plug Adapter	Not used	XKM3001	XKM3001	XKM3001	XKM3001	Not used	
		Region Label	Not used	VRW1702	Not used	VRW1708	VRW1701	Not used	
		Caution Sheet AR	Not used	Not used	XRH3002	Not used	Not used	Not used	
	NSP	UPC Label	Not used	Not used	Not used	XAX3328	Not used	Not used	
P9-14		EXTERIOR SECTION Fuse (FU1 : T2.5A)	REK1026	Not used	Not used	Not used	Not used	Not used	
P9-14	Δ	Fuse (FU1 : T4.0A)	Not used	REK1028	REK1028	REK1028	REK1028	REK1028	
P9-17		4P F.F.C/60V	XDD3109	Not used	Not used	Not used	Not used	Not used	
P9-17		7P F.F.C/60V	Not used	XDD3110	XDD3110	XDD3110	XDD3110	XDD3110	
P9-24		Rear Panel	XNC3165	XNC3166	XNC3167	XNC3166	XNC3179	XNC3168	
P9-50	NSP	Fuse Card	AAX7277	AAX7099	AAX7099	AAX7099	AAX7099	AAX7099	
P9-54	NSP	Getter	XAX3324	XAX3325	XAX3325	XAX3325	XAX3325	XAX3325	
	Δ	Fuse (FU2, FU3 : T2.0A)	Not used	REK1025	REK1025	REK1025	REK1025	REK1025	No. 1
		Round Knob S	Not used	XAB3022	XAB3022	XAB3022	XAB3022	XAB3022	No. 2
		Push Rivet	Not used	Not used	AEC7025	Not used	AEC7025	AEC7025	No. 3
		Rear Cover	Not used	Not used	XEC3035	Not used	XEC3035	XEC3035	No. 4
	NSP	Region Label	Not used	Not used	Not used	XAX3183	Not used	Not used	No. 5
	NSP	SISIR Label	Not used	Not used	Not used	Not used	Not used	XAX3326	No. 6

Ref. No.	Mark	Symbol and Description	Part No.						Remarks
			XV-HTD50 /MYXJ	XV-HTD5 /DBDXJ/RC	XV-HTD5 /DDRXXJ/RD	XV-HTD5 /DDXJ/RA	XV-HTD5 /DDXJ/RB	XV-HTD5 /DLXJ/NC	
P11-12	NSP	FRONT PANEL SECTION							
P11-13		Front Panel Assy	XXG3126	XXG3127	XXG3127	XXG3127	XXG3127	XXG3127	
P11-16		Display Panel	XAK3340	XAK3341	XAK3341	XAK3341	XAK3341	XAK3341	
		Front Panel	XMB3087	XMB3088	XMB3088	XMB3088	XMB3088	XMB3088	

Notes : For PCB ASSEMBLIES, Refer to “CONTRAST OF PCB ASSEMBLIES” and “2. SCHEMATIC DIAGRAM”.

The numbers in the remarks column correspond to the numbers on the “ EXPLODED VIEWS ”.

EXPLODED VIEWS



CONTRAST OF PCB ASSEMBLIES

HF MAIN ASSY

XWX3057 and XWX3056 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWX3056	XWX3057	
	IC3002	Not used	BA4558MD	
	IC3181	Not used	AN4558NS	
	IC5701	BU1923F	Not used	
	C19, C20	CQMA103K2E	Not used	
	C3011, C3014	Not used	CEAT100M50	
	C3185	Not used	CEJQ100M35	
	C3186, C3187	Not used	CKSRYB473K25	
	C3913, C3914	CKSRYB103K50	CKSRYB102K50	
	C5701	CKSRYB271K50	Not used	
	C5702	CEAT100M50	Not used	
	C5704	CKSRYB103K50	Not used	
	C5705, C5706	CCSRCH270J50	Not used	
	C5707	CKSRYB561K50	Not used	
	C5708	CKSRYB104K25	Not used	
	C5830	Not used	CEAT101M10	
	C5831	Not used	CEAT101M25	
	R3181	Not used	RSD1/4PU332J	
	R3182	Not used	RS1/16S332J	
	R3183, R3184, R3254, R3258, R3263, R3264	Not used	RS1/16S103J	
	R5566, R5703	Not used	RS1/16S103J	
	R3186, R5705	RS1/16S0R0J	Not used	
	R3189, R3190	Not used	RS1/16S682J	
	R3255, R3257, R3259, R3261, R5702	Not used	RS1/16S473J	
	R3256, R3260	Not used	RS1/16S182J	
	R5559	RS1/16S562J	RS1/16S332J	
	R5701	RD1/4PU101J	Not used	
	R5745, R5746	RS1/16S682J	RS1/16S224J	
	R5830	Not used	RS1/16S224J	
	R5831	Not used	RS1/16S101J	
	CN5501 4P FFC CONNECTOR	52045-0445	Not used	
	CN5502 7P FFC CONNECTOR	Not used	52045-0745	
	KN5701 EARTH METAL FITTING	VNF1084	Not used	
	X5701 CRYSTAL RESONATOR (4.332MHz)	ASS7004	Not used	

I F F. AMP ASSY

XWZ3597 and XWZ3596 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3596	XWZ3597	
⚠	L3361, L3362, L3661 C3773 R3361, R3362, R3661	ATH1009 Not used RD1/2PMF101J	ATH1004 CEAT101M35 RD1/2PMF100J	

J F R. AMP ASSY

XWZ3601 and XWZ3600 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3600	XWZ3601	
⚠	L3461, L3462, L3561 R3461, R3462, R3561	ATH-059 RD1/2PMF101J	ATH-133 RD1/2PMF100J	

K F SPEAKER ASSY

XWZ3603 and XWZ3604 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3604	XWZ3603	
	C3365–C3368, C3371–C3373 C3465–C3468, C3471, C3472, C3565, C3567, C3571 C3369, C3370, C3669 (0.01μF) C3469, C3470, C3569 R3365–R3368, R3465–R3468, R3565, R3567	CKSQYB104K50 CKSQYB104K50 XCG3008 CKSRYB103K50 RS1/16S100J	Not used Not used Not used Not used Not used	

L F CONNECT ASSY

XWX3062 and XWX3061 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWX3061	XWX3062	
	IC5353 L5103 L5379 C5203, C5204, C5209, C5210 C5241, C5247 C5382 R5101 R5109, R5250 R5110 R5241–R5248 R9001, R9002	Not used VTL1112 VTL1081 CKSRYB102K50 Not used CCSRCH331J50 Not used Not used RS1/16S750J Not used RS1/16S0R0J	AN4558NS Not used VTL1087 CCSRCH101J50 CEJQ100M35 Not used RS1/16S750J RS1/16S0R0J Not used RS1/16S332J Not used	

O F DISPLAY ASSY

XWZ3607 and XWZ3606 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3606	XWZ3607	
	CN5807 4P FFC CONNECTOR CN5807 7P FFC CONNECTOR	52044-0445 Not used	Not used 52044-0745	

T F PRIMARY ASSY

XWZ3590 and XWZ3589 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3589	XWZ3590	
⚠ ⚠	S1 VOLTAGE SELECT SWITCH T2 STANDBY TRANSFORMER H3–H6 FUSE CLIP	Not used ATT7050 Not used	XKX3002 XTT3004 AKR7001	

OF MIC HP ASSY

XWZ3610 and XWZ3609 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3609	XWZ3610	
	IC5802 C5805 C5806 C5807, C5812, C5813 C5809	Not used Not used Not used Not used Not used	NJM4558MD CKSRYB681K50 CEAL1R0M50 CEAL100M16 CKSRYB471K50	
	C5810 C5811 R5814 R5866 R5867, R5872, R5874	Not used Not used Not used Not used Not used	CKSRYB104K25 CKSRYB473K25 RS1/16S101J RS1/16S222J RS1/16S104J	
	R5868, R5885 R5869 R5870 R5871 VR5801	Not used Not used Not used Not used Not used	RS1/16S223J RS1/16S224J RS1/16S681J RS1/16S102J XCS3007	
	JA5801 MINI JACK	Not used	AKN7005	

PCB PARTS LIST

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
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FM/AM TUNER MODULE

SEMICONDUCTORS

IC201	BA1451F	C101, C102, C208, C220, C239	CKSRYB103K50
IC202	LC72131MD	C242, C601	CKSRYB103K50
Q201, Q204, Q205	2SC2412K	C216, C217	CKSRYB123K50
Q202	DTA124ES	C225	CKSRYB153K50
Q203	DTC124EK	C201, C205, C209, C214, C230	CKSRYB223K50
D201	1SS133	C236, C603	CKSRYB223K50
D202	MTZJ5.1C	C221	CKSRYB224K10
		C202, C222	CKSRYB473K16
		C215	CKSRYB681K50

COILS AND FILTERS

L201	FM DETECTOR COIL	ATE7003
F202	CERAMIC FILTER	ATF-107
F201	CERAMIC FILTER	ATF-119
F203	AM CERAMIC FILTER	ATF1155

RESISTORS


R211	RD1/4PU221J
R221	RD1/4PU222J
R233	RD1/4PU391J
R243	RS1/10S0R0J
R103	RS1/10S331J
R104	RS1/10S391J
Other Resistors	RS1/16S□□□J


CAPACITORS

C206	CCSRCH100D50
C212, C213, C226, C233-C235	CCSRCH101J50
C240	CCSRCH101J50
C231, C232	CCSRCH150J50
C223	CEAT100M50
C229	CEAT101M10
C224	CEAT1R0M50
C227	CEAT220M25
C241	CEAT2R2M50
C243	CEAT330M16
C228	CEAT3R3M50
C237	CEAT470M10
C211	CEJA1R0M50
C210	CEJA470M16
C204, C238, C602	CKSRYB102K50

OTHERS

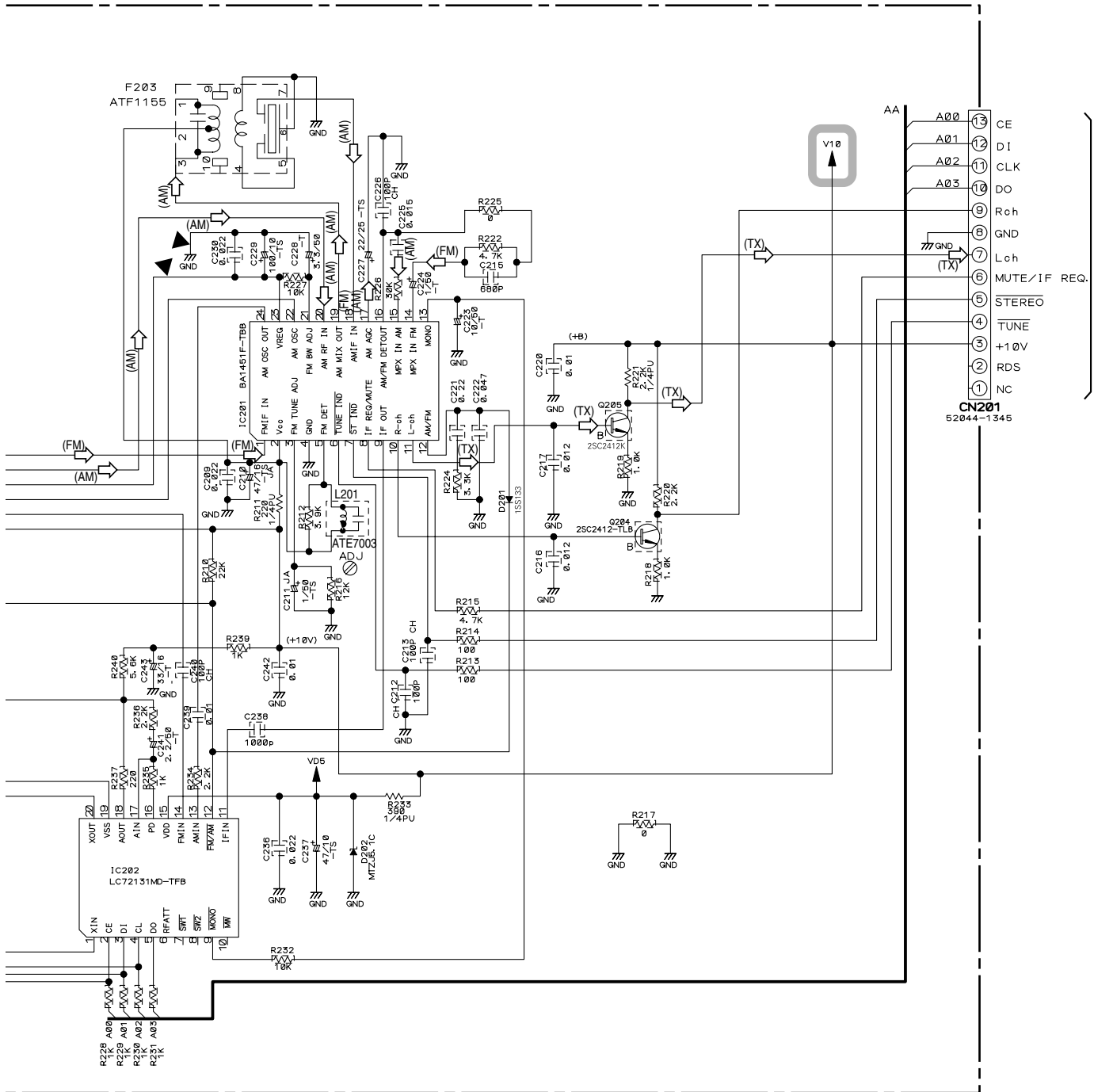
CN201	13P CONNECTOR	52044-1345
BN201	TERMINAL 4P	AKA7003
	SHIELD CASE T	ANK7072
	SHIELD CASE B	ANK7073
X201	CRYSTAL RESONATOR (7.2000MHz)	ASS1093
	FM FRONT END	AXF7003
	AM RF TUNING BLOCK	AXX7071

 : The power supply is shown with the marked box.

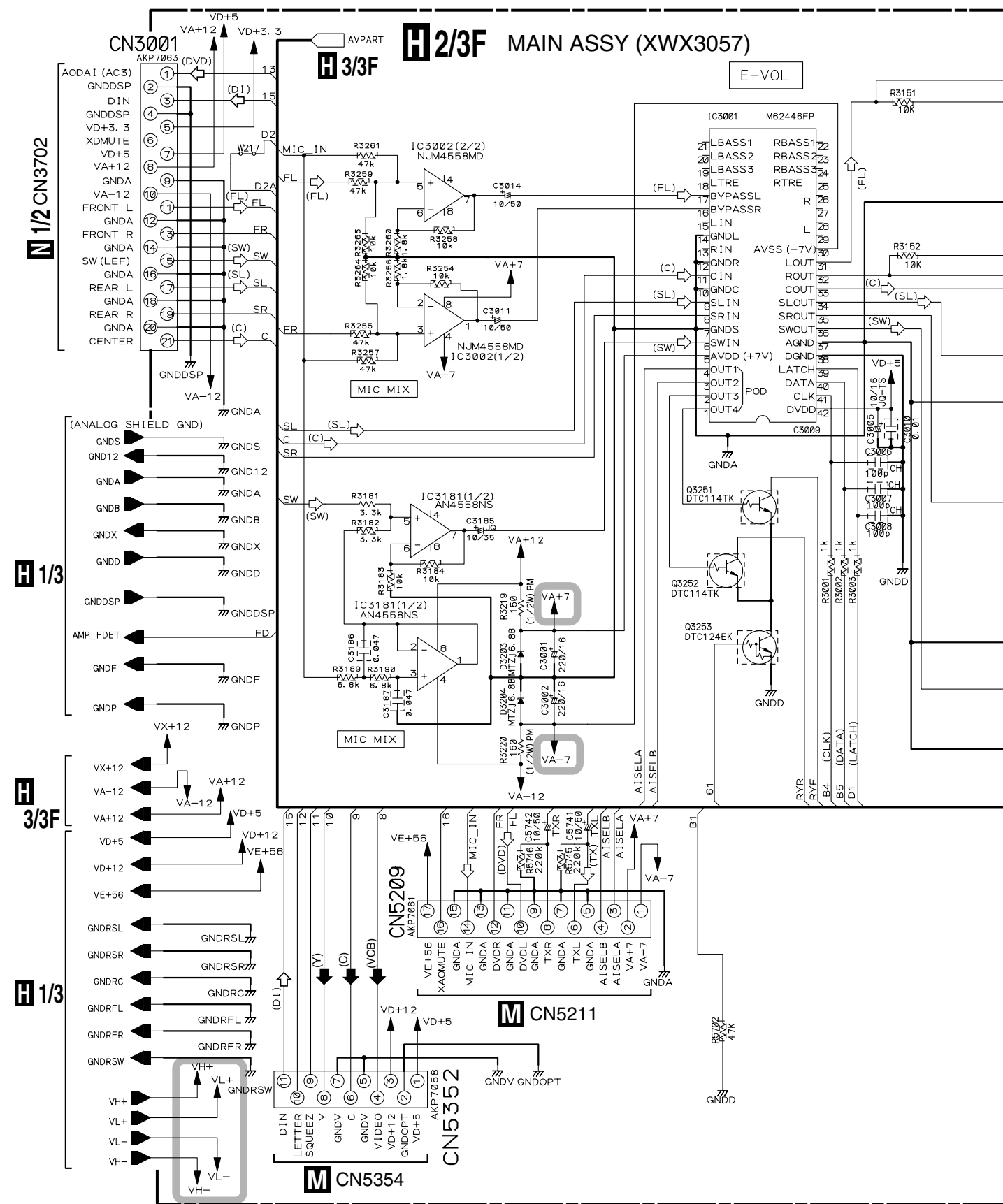
 : TUNER AUDIO SIGNAL ROUTE

 : AM SIGNAL ROUTE

 : FM SIGNAL ROUTE



2.2 MAIN ASSY (2/3)



2/3F

A



C

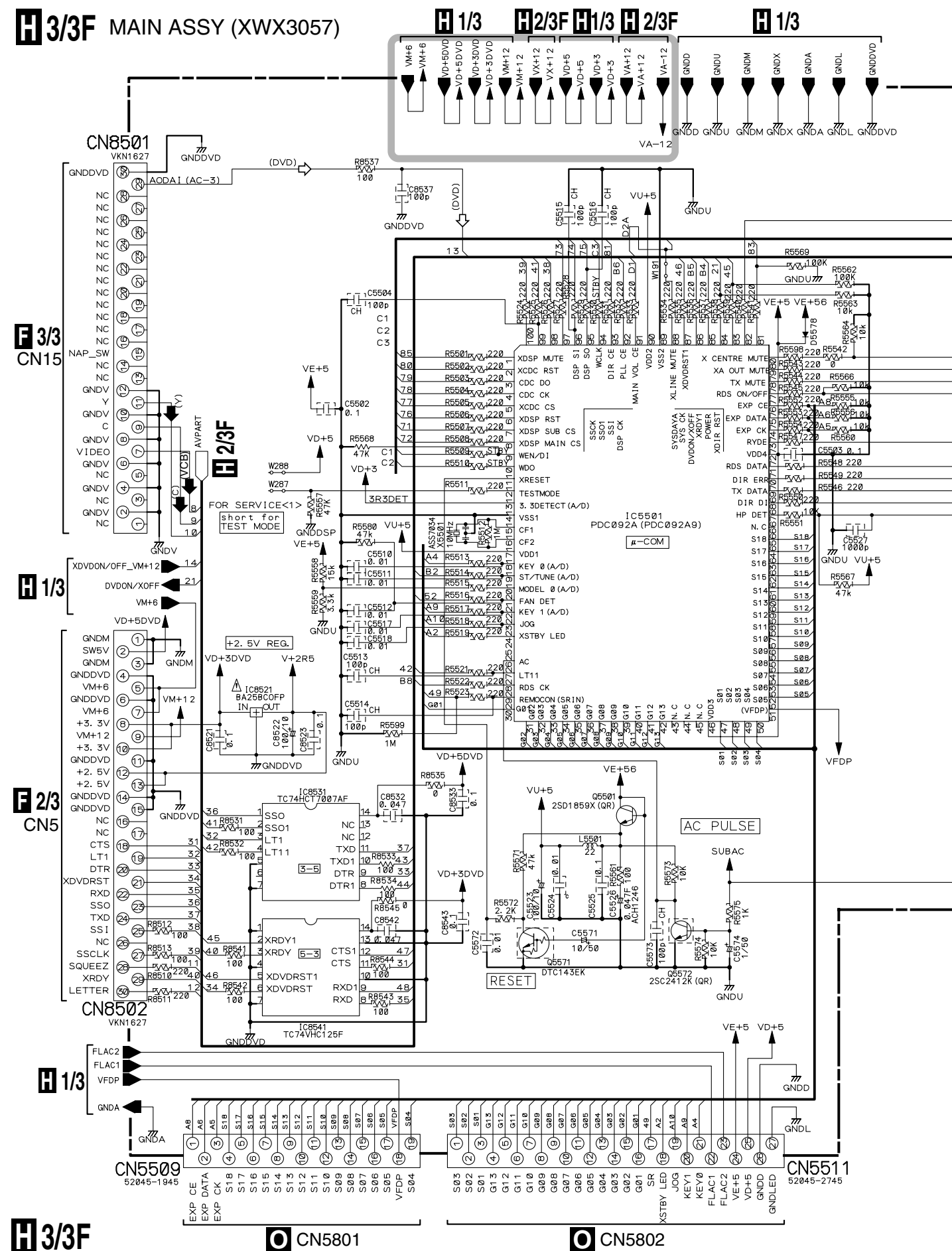
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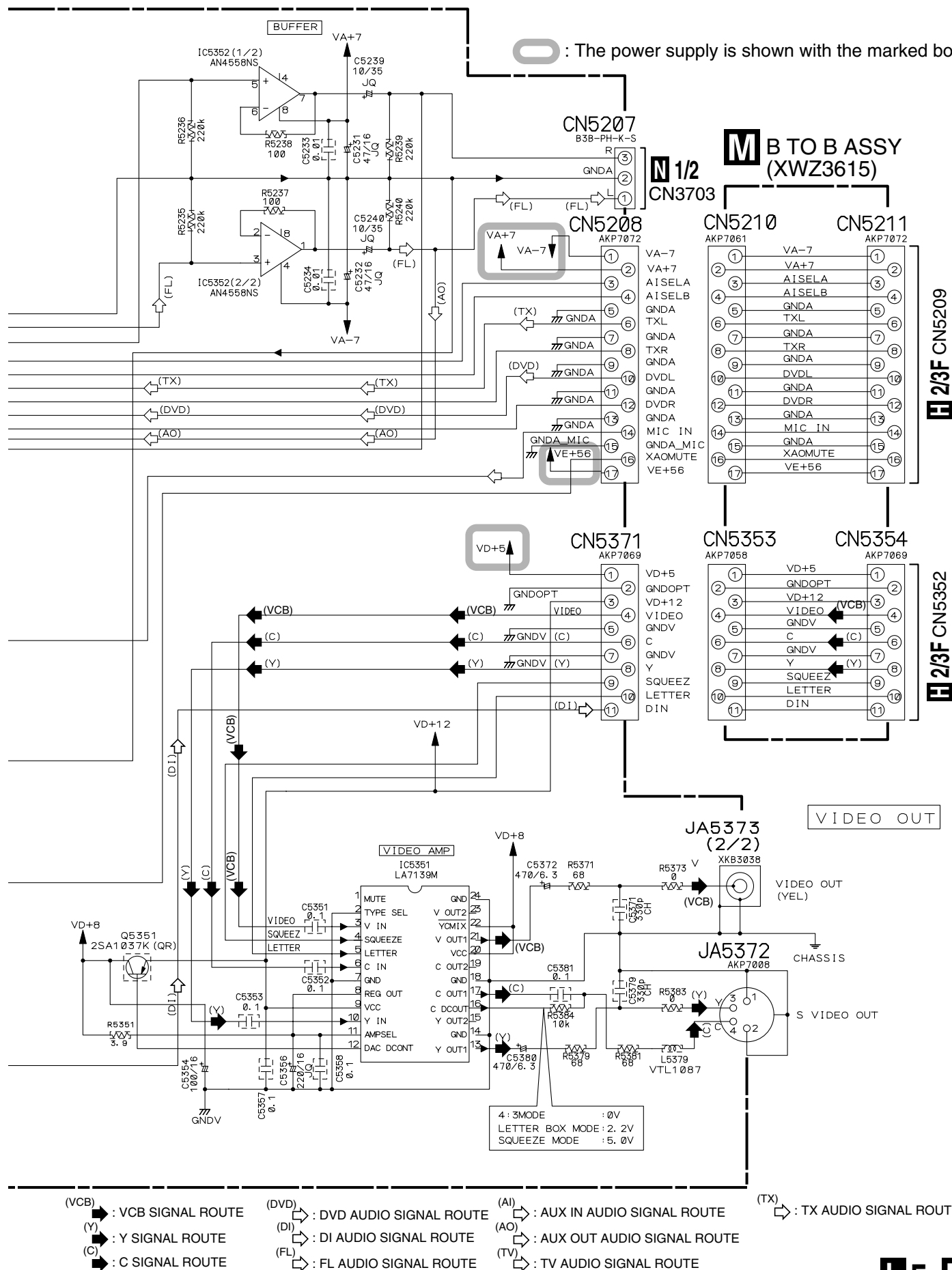
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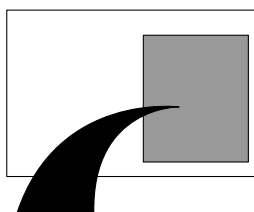
H3/3F MAIN ASSY (XWX3057)



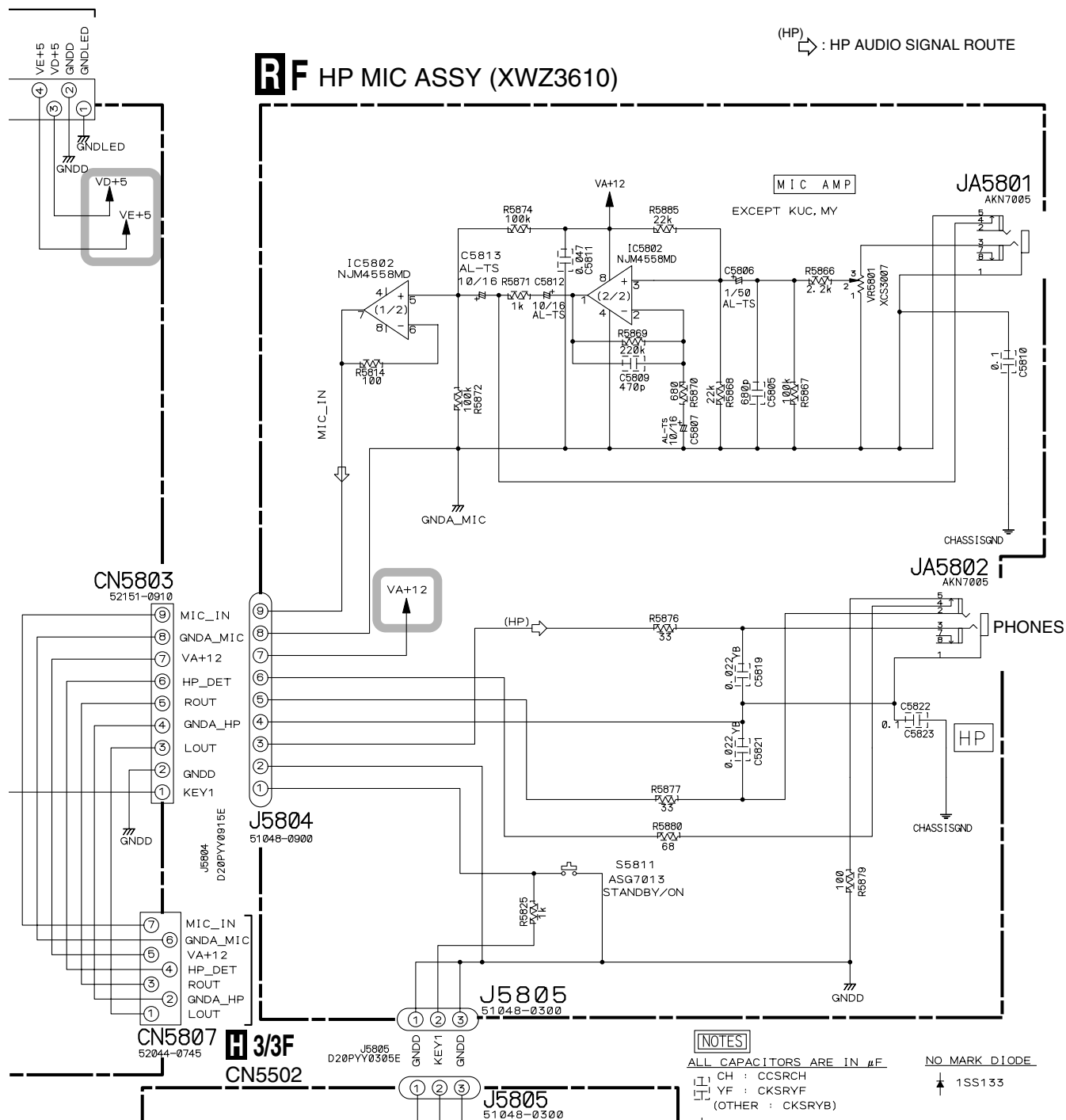
 : The power supply is shown with the marked box.



2.6 DISPLAY and HP MIC ASSYS



OF DISPLAY ASSY
(XWZ3607)



2.7 PRIMARY and INLET ASSY

NOTES

ALL CAPACITORS ARE IN μF
UNLESS OTHERWISE SPECIFIED

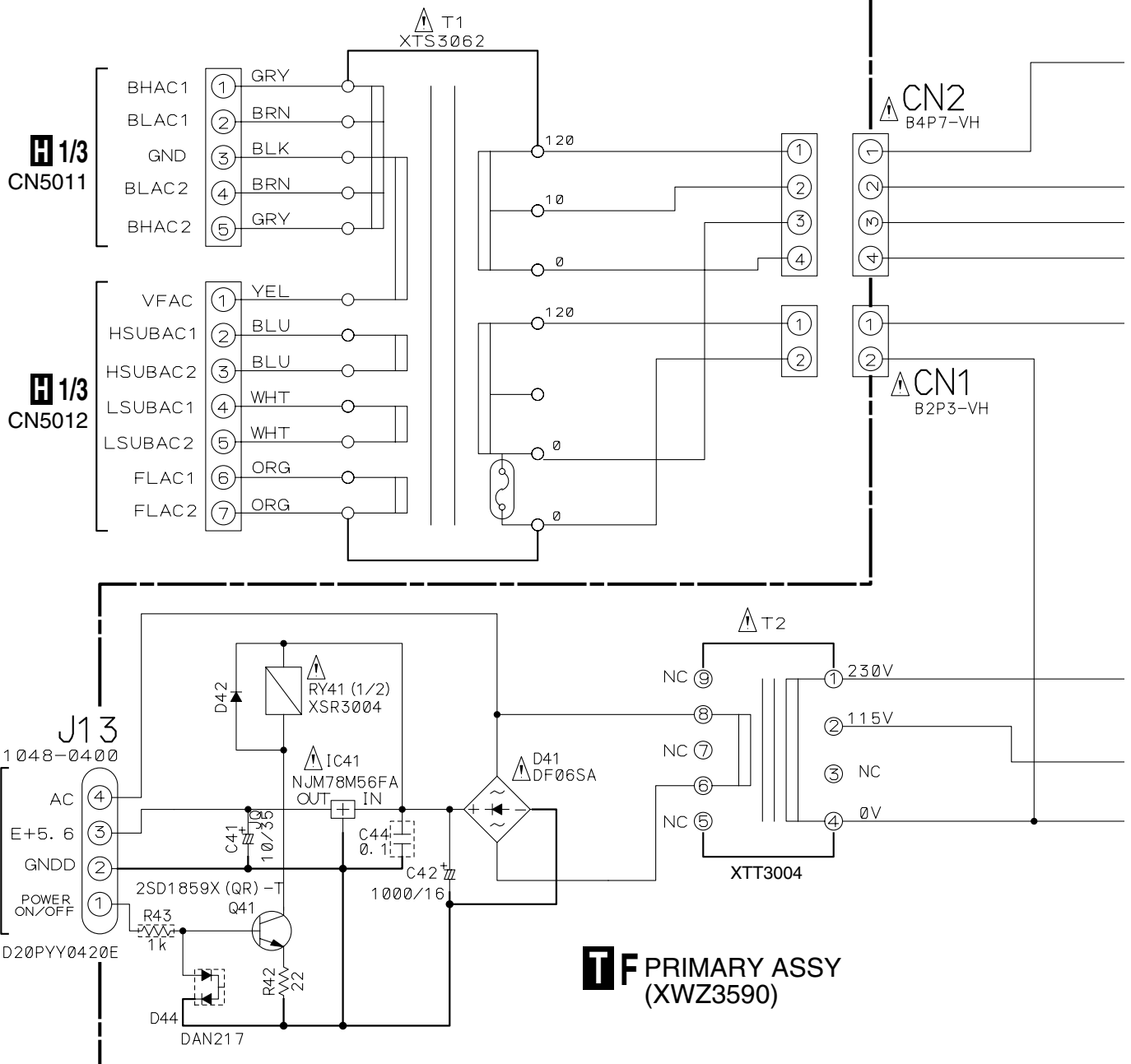
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 CKSRYB

CE JQ***M###
JQ

 CEAT***M##



• NOTE FOR FUSE REPLACEMENT

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

