

# Service Manual

ORDER NO.  
RRV2701

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			
DTXJN/RC	○	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	

## CONTENTS

1. CONTRAST OF MISCELLANEOUS PARTS .....	2
2. SCHEMATIC DIAGRAM .....	6

# 1. CONTRAST OF MISCELLANEOUS PARTS

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

● The  $\Delta$  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  $\nabla$  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  $\Omega$   $\rightarrow$   $56 \times 10^1$   $\rightarrow$  561 ..... RD1/4PU  $\begin{bmatrix} 5 & 6 & 1 \end{bmatrix}$  J

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

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

1  $\Omega$   $\rightarrow$  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  $\Omega$   $\rightarrow$   $562 \times 10^1$   $\rightarrow$  5621 ..... RN1/4PC  $\begin{bmatrix} 5 & 6 & 2 & 1 \end{bmatrix}$  F

## ■ CONTRAST TABLE

XV-HTD5/DTXJN/RC and XV-HTD50/MYXJ are constructed the same except for the following :

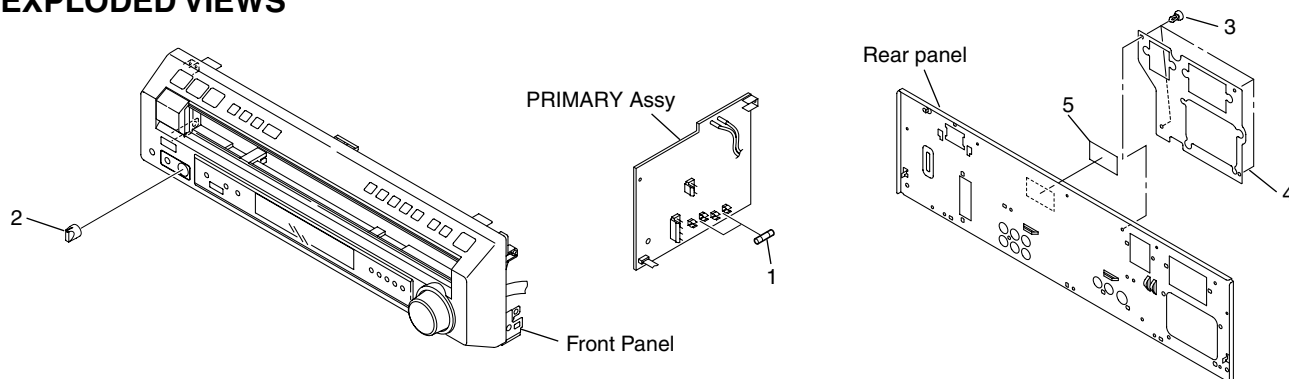
Ref. No.	Mark	Symbol and Description	Part No.		Remarks	
			XV-HTD50 /MYXJ	XV-HTD5 /DTXJN/RC		
P9- 2	NSP	<b>PCB ASSEMBLIES</b>				
		MAIN ASSY	XWX3056	XWX3057		
P9- 3		CONNECT ASSY	XWX3061	XWX3062		
		COMPLEX ASSY	XWM3202	XWM3203		
P9- 5		└ PRIMARY ASSY	XWZ3589	XWZ3590		
P9- 7		└ F. AMP ASSY	XWZ3596	XWZ3597		
P9- 8		└ R. AMP ASSY	XWZ3600	XWZ3601		
P9- 9		└ SPEAKER ASSY	XWZ3604	XWZ3603		
P9-11		└ DISPLAY ASSY	XWZ3606	XWZ3607		
P11- 1		└ HP MIC ASSY	XWZ3609	XWZ3610		
P9-12		FM/AM TUNER Module	AXQ7229	AXQ7228		
	NSP	<b>PACKING SECTION</b>				
P7- 6		FM Antenna	ADH7030	ADH7004		
P7- 8		Operating Instructions (English)	XRB3016	Not used		
P7- 9		Warranty Card	ARY7022	Not used		
P7-14		Packing Case	XHD3299	XHD3321		
P7-15		Operating Instructions (French/Italian/German)	XRC3062	Not used		
P7-16		Operating Instructions (Dutch)	XRC3063	Not used		
P7-17		Operating Instructions (Spanish)	XRC3064	Not used		
		Operating Instructions(Thai)	Not used	XRC3076		
		NSP	<b>EXTERIOR SECTION</b>			
P9-14			⚠ Fuse (FU1 : T2.5A)	REK1026	Not used	
P9-14	⚠ Fuse (FU1 : T4.0A)		Not used	REK1028		
P9-17	4P F.F.C/60V		XDD3109	Not used		
P9-17	7P F.F.C/60V		Not used	XDD3110		
P9-23	Chassis		XNA3010	XNA3013		
P9-24	Rear Panel		XNC3165	XNC3168		
P9-27	Mecha. Frame		XNG3076	XNG3099		
P9-33	Rotary Tray		VNK4923	VNK5218		
P9-39	Rear Mold		XMR3038	XMR3067		
P9-40	Twin Cap		XMR3078	XMR3079		
P9-41	NSP	PCB Holder	XMR3076	XMR3077		
P9-42		Inlet Holder	XMR3056	XMR3071		
P9-44		Tray Cap Assy	XXG3124	XXG3142		
P9-50		Fuse Card	AAX7277	AAX7099		
P9-54		Getter	XAX3324	XAX3325		
		⚠ Fuse (FU2, FU3 : T2.0A)	Not used	REK1025	No. 1	
		Round Knob S	Not used	XAB3022	No. 2	
		Push Rivet	Not used	AEC7025	No. 3	
		Rear Cover	Not used	XEC3035	No. 4	
		Name Label	Not used	XAL3144	No. 5	
		NSP	<b>FRONT PANEL SECTION</b>			
P11- 8	Disc Button		XAD3147	XAD3161		
P11- 9	Function Button		XAD3148	XAD3162		

Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			XV-HTD50 /MYXJ	XV-HTD5 /DTXJN/RC	
P11-11 P11-12 P11-13 P11-16	NSP	Rear Cap Front Panel Assy Display Panel Front Panel	XMR3048 XXG3126 XAK3340 XMB3087	XMR3068 XXG3143 XAK3341 XMB3088	
P13-17 P13-37		<b>TABLE MECHANISM SECTION</b> Mech. Base Slide Table	VNK5010 VNK5060	VNK5215 VNK5216	

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	NJM4558MD	
	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	RD1/4PU332J	
	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.
------	-----	-------------	----------	------	-----	-------------	----------

## GF 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

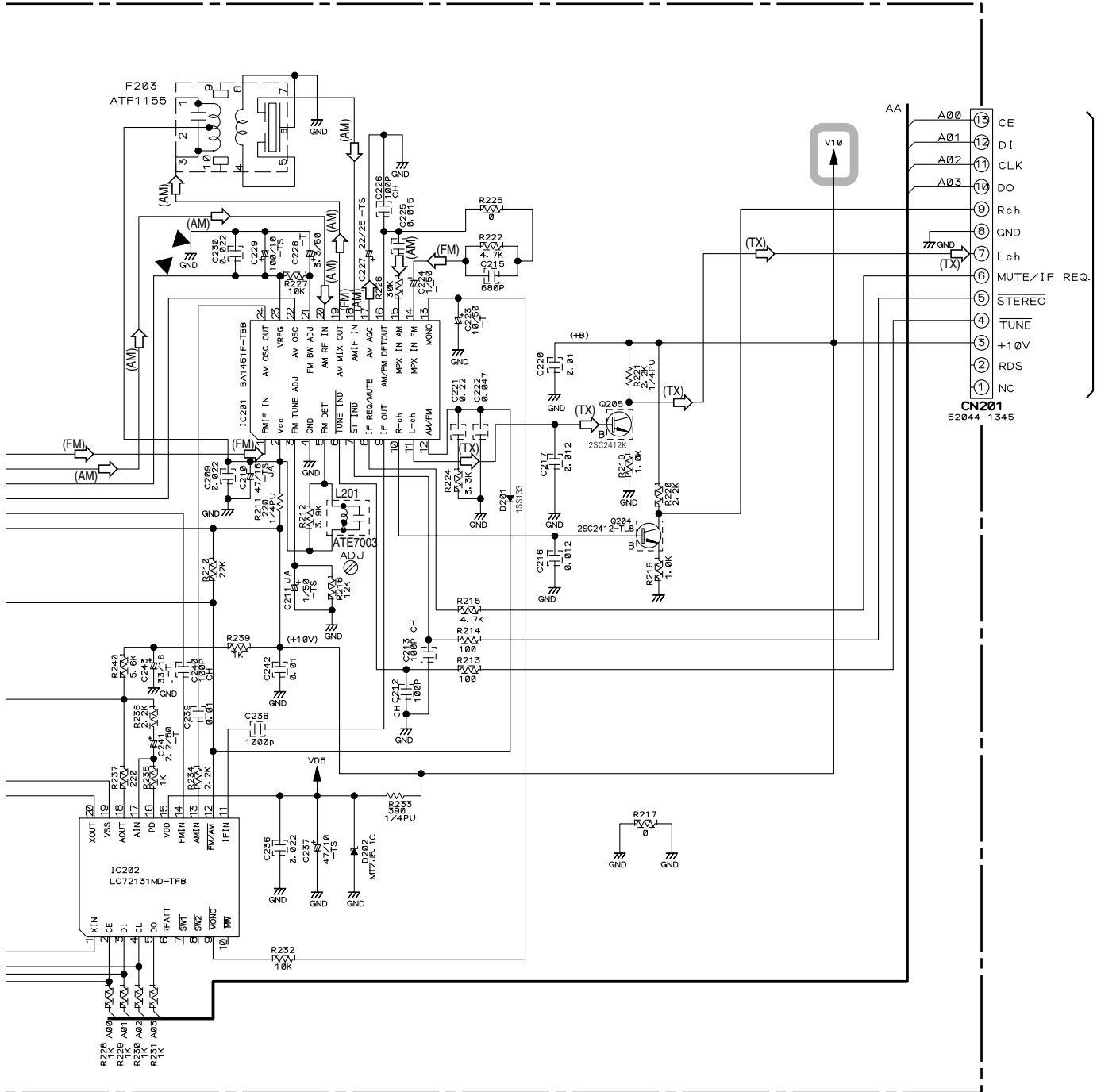


 : The power supply is shown with the marked box.

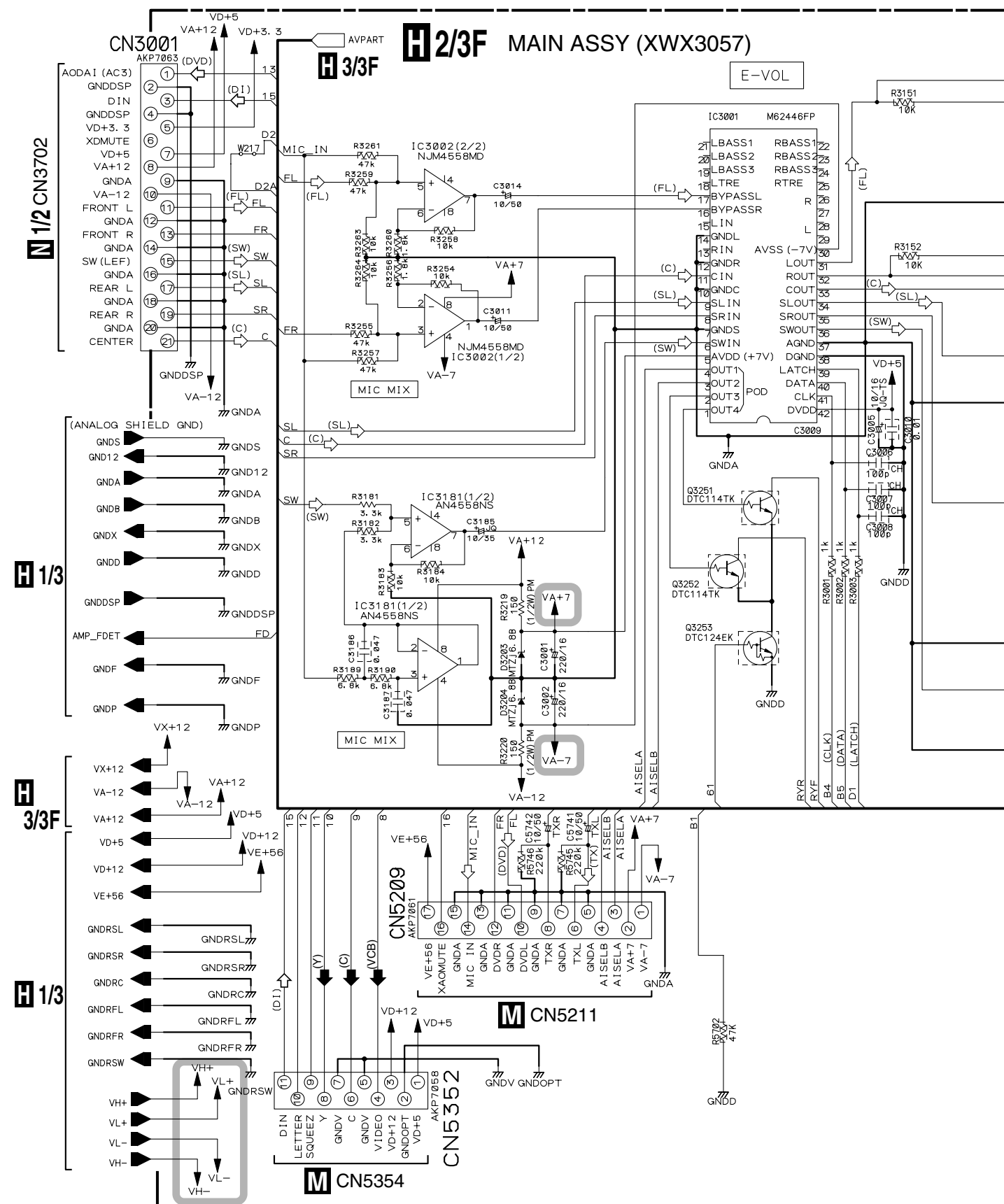
 : TUNER AUDIO SIGNAL ROUTE

 : AM SIGNAL ROUTE

 : FM SIGNAL ROUTE



## 2.2 MAIN ASSY (2/3)



**2/3F**



A



C

D

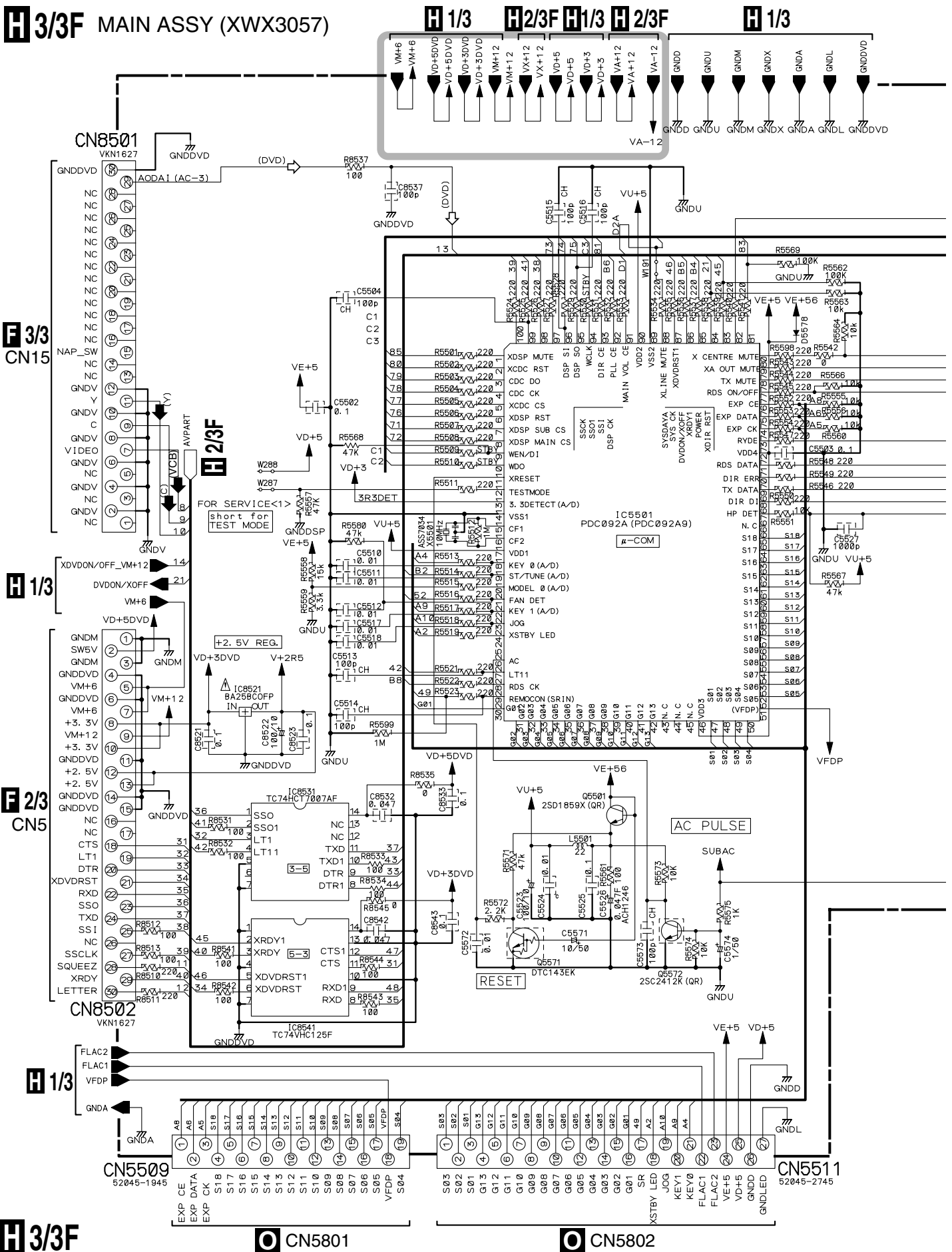
E

F

✓ **2011**

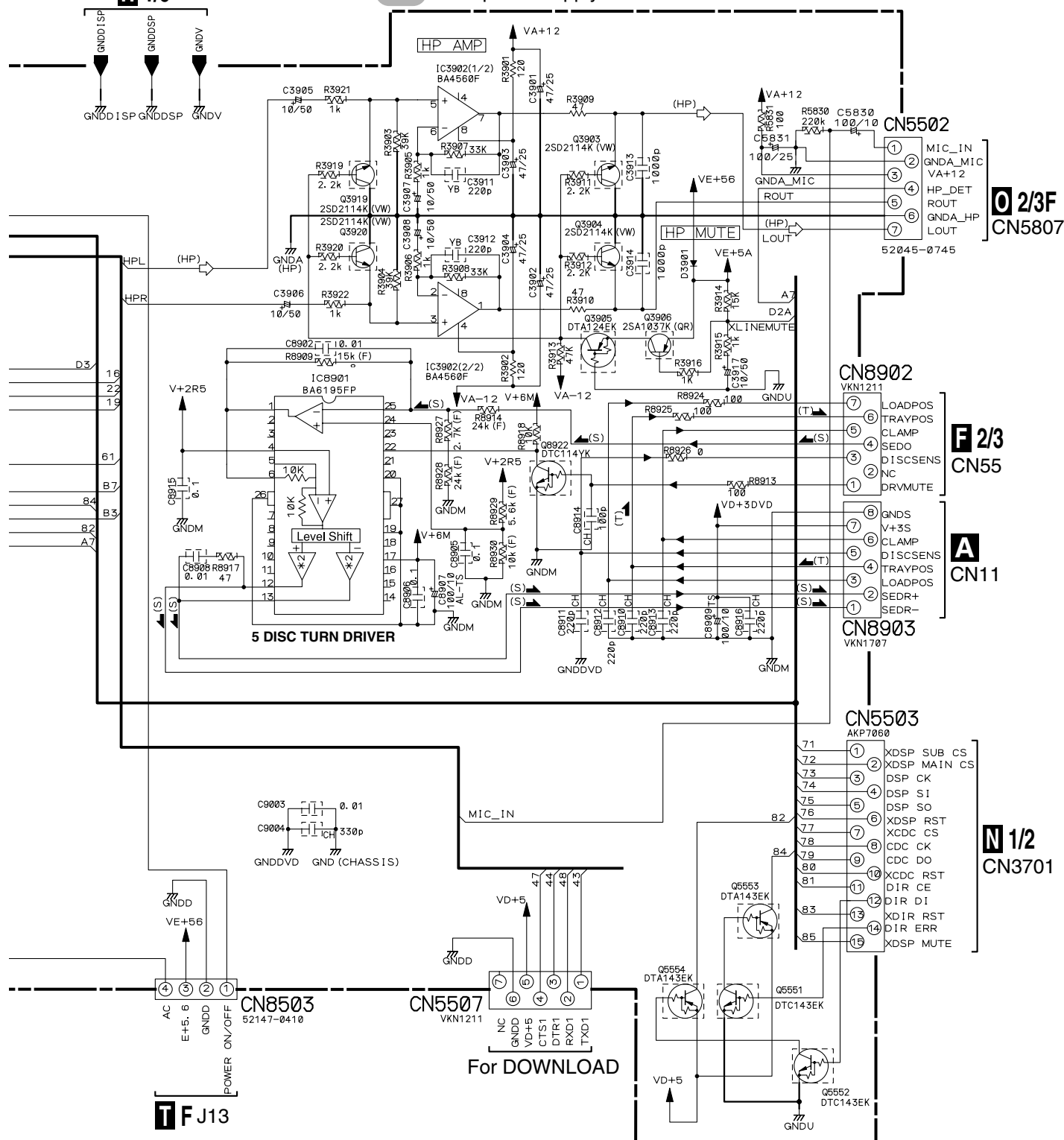
## 2.3 MAIN ASSY (3/3)

### H 3/3F MAIN ASSY (XWX3057)



H 1/3

: The power supply is shown with the marked box.



## NOTES

ALL CAPACITORS ARE IN  $\mu$ F  
UNLESS OTHERWISE SPECIFIED

CH : CCSRCH  
SL : CCSRSL  
(OTHER : CKSRVB)

AL : CEAL  
(OTHER : CEAT\*\*\*MHH)

ALL RESISTORS ARE IN  $\Omega$   
1/16W 1/4WPU (F) 1%

ALL INDUCTORS ARE IN  $\mu$ H

LAU  
NO MARK DIODE

1SS355 1SS133

(VCB) : VCB SIGNAL ROUTE

(Y) : Y SIGNAL ROUTE

(C) : C SIGNAL ROUTE

(DVD) : DVD AUDIO SIGNAL ROUTE

(HP) : HP AUDIO SIGNAL ROUTE

(T) : TRAY POSITION SERVO LOOP LINE

(S) : SEDO SERVO LOOP LINE

H 3/3F









2.7 PRIMARY and INLET ASSY

NOTES

ALL CAPACITORS ARE IN  $\mu\text{F}$   
UNLESS OTHERWISE SPECIFIED

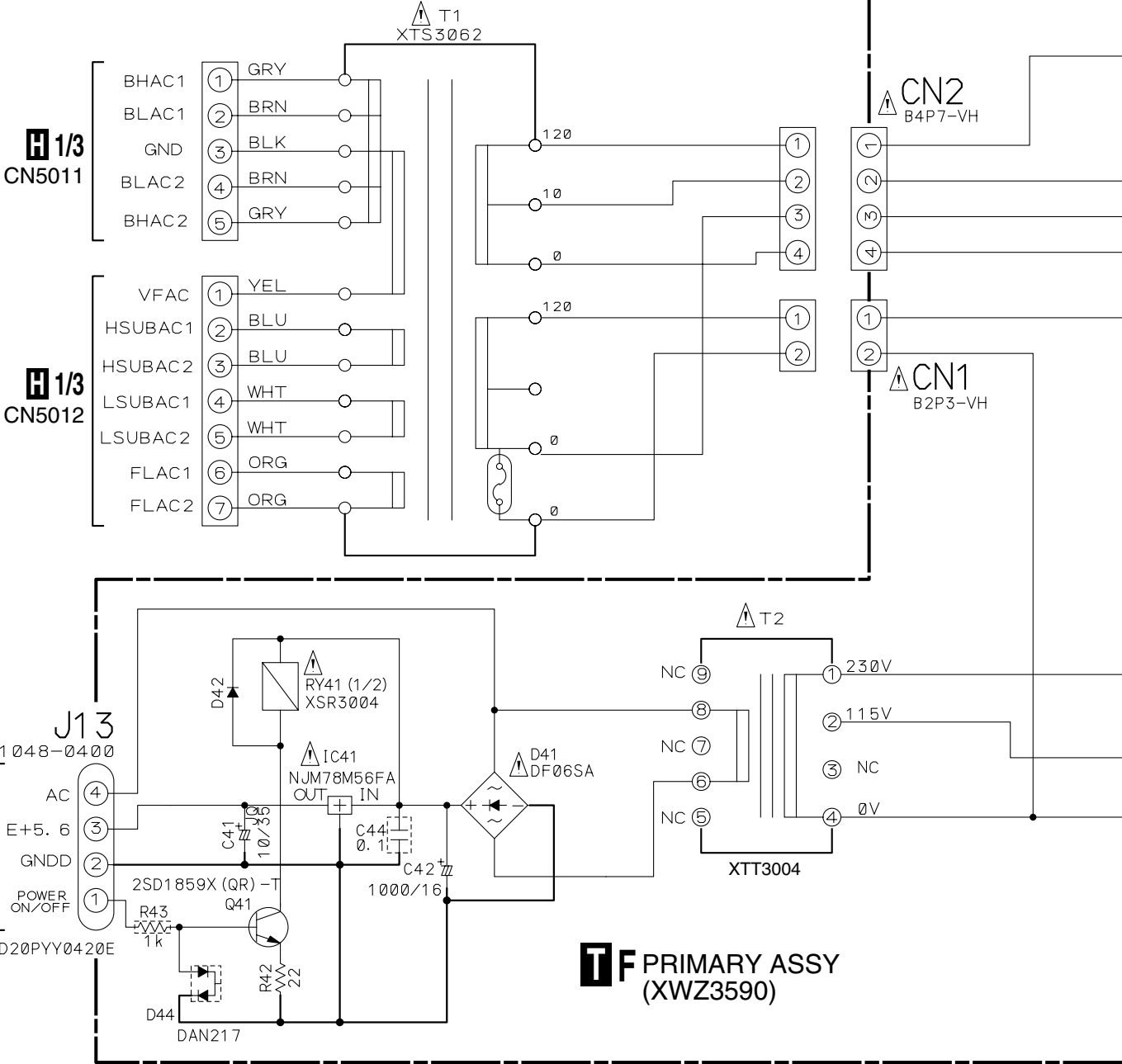
CKSRYB

CEJQ\*\*\*M##  
JQ

NO MARK DIODE

1SS133

CEAT\*\*\*M##



PRIMARY ASSY  
(XWZ3590)



• NOTE FOR FUSE REPLACEMENT

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

