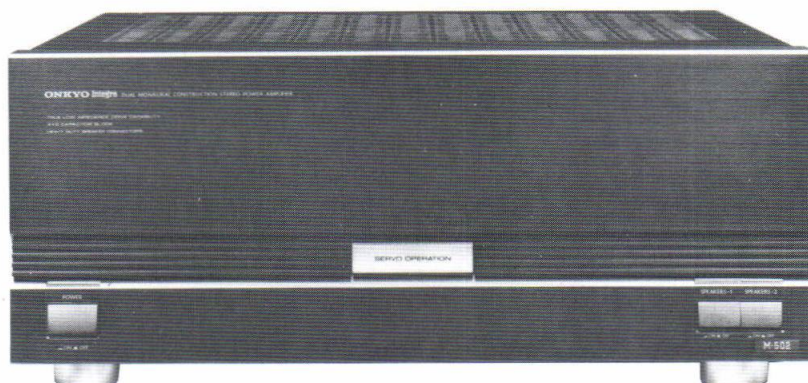


SERIAL No. 3291

ONKYO® SERVICE MANUAL

STEREO POWER AMPLIFIER MODEL M-502



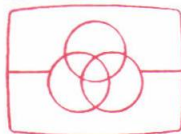
U D	120V AC, 60Hz
U G	220V AC, 50Hz
U Q	240V AC, 50Hz
U W	120V/220V AC, 50Hz/60Hz

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PARTS NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.



Free service manuals

Gratis schema's

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AUDIO COMPONENTS

SPECIFICATIONS

Continuous Power:	2×220 watts at 4 ohms, 1kHz (DIN)
Output:	2×145 watts at 8 ohms, 1kHz (DIN) 140 watts per channel, min. RMS, at 8 ohms, both channels driven, from 20Hz to 20kHz, with no more than 0.005% Total Harmonic Distortion
Dynamic Power Output:	2×425 watts at 2 ohms, 1kHz 2×290 watts at 4 ohms, 1kHz
Total Harmonic Distortion:	0.005% at rated power 0.005% at 1 watt output
Intermodulation Distortion:	0.004% at rated power 0.004% at 1 watt output
Frequency Response:	+0, -1.5dB at 1Hz to 100kHz
Input Sensitivity:	1.0V
Input Impedance:	20 kohms
Damping Factor:	140 (8 ohms, 1kHz)
S/N ratio:	120dB (IHF-A, Shorted)
Outputs:	SPEAKERS 1 & 2 AC OUTLET (120V models only)
Inputs:	INPUT

Power Supply:	European models: AC 220V, 50Hz Canadian models: AC 120, 60Hz U.K. & Australian models: AC 240V, 50Hz Worldwide models: AC 120V and 220V switchable, 50/60Hz
Dimensions (W×H×D):	435×186×423 mm 17-1/8"×7-5/16"×16-5/8"
Wide side panels (W×H×D):	465×187×423 mm 18-5/16"×7-3/8"×16-5/8"
Weight:	18.5 kg (40.8 lbs.)
With side panels:	20.0 kg (44.1 lbs.)

Specifications and features are subject to change without notice.

PRECAUTIONS

1. Replacing the fuses

For continued protection against risk fire, replace only with same type and same rating fuse.

CIRCUIT NO.	PART NO.	DESCRIPTION
F801,F802	252050	5A (ST-6), Primary fuse (120V,120V/220V model)
F801,F802	252075	2.5A-SE-EAK, Primary fuse (220V model)
F803,F804	252075	2.5A-SE-EAK, Primary fuse (120V/220V model)

2. Replacing the lamp

This unit uses the lamp listed below.

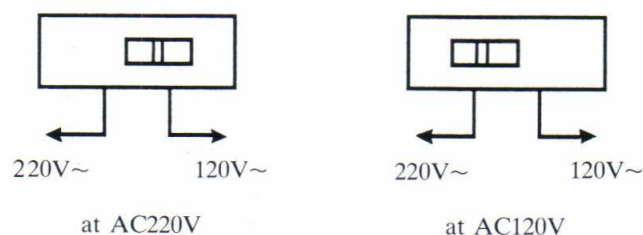
CIRCUIT NO.	PART NO.	DESCRIPTION
PL701, PL702	210160	PL14V150mA

3. Insulation resistance measurement (Only U.S.A. model)

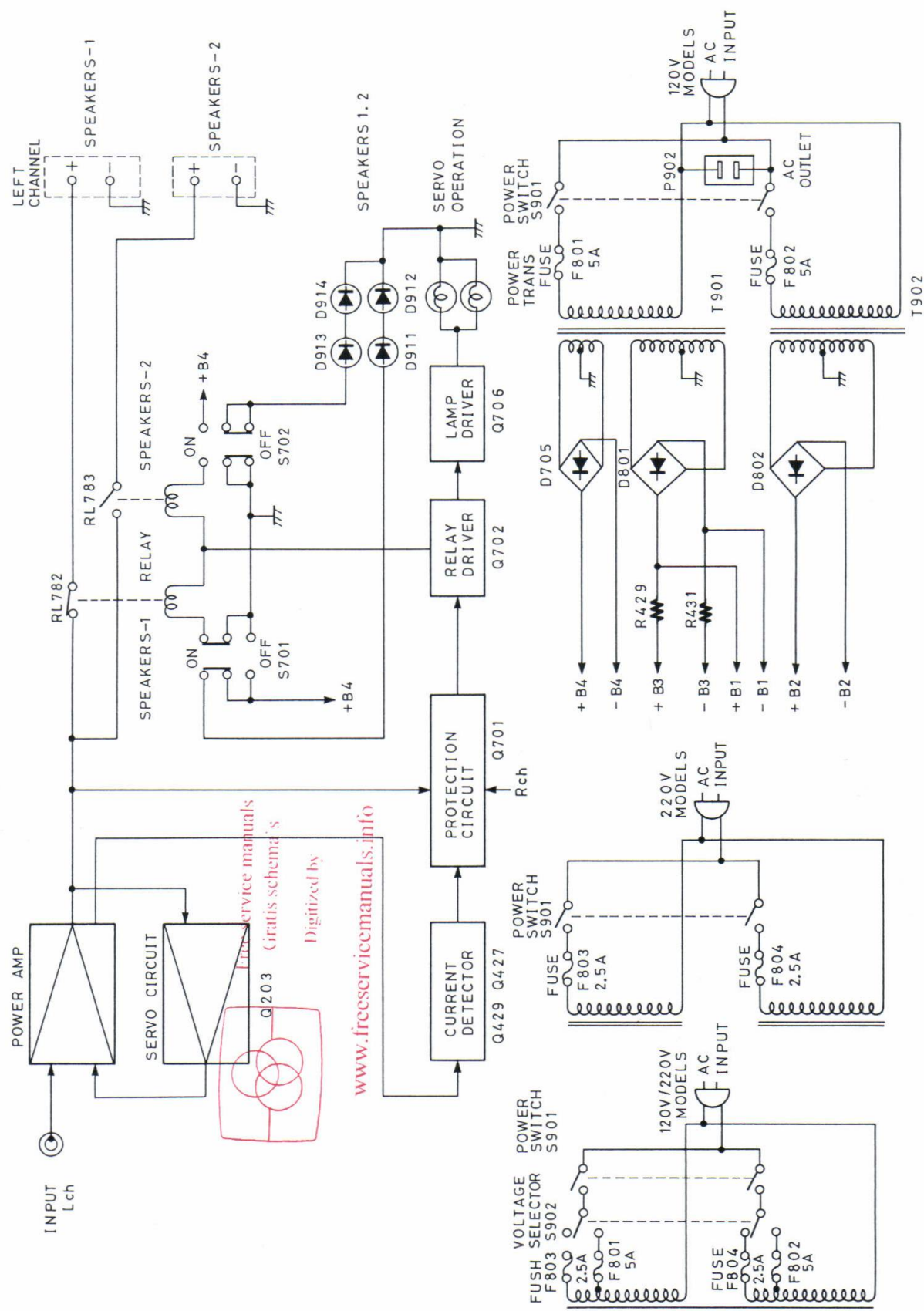
Connect the insulating-resistance tester between the plug of power supply cable and the terminal GND on the back panel. Specifications; More than 10 MΩ at 500V.

4. Voltage selector (rear panel)

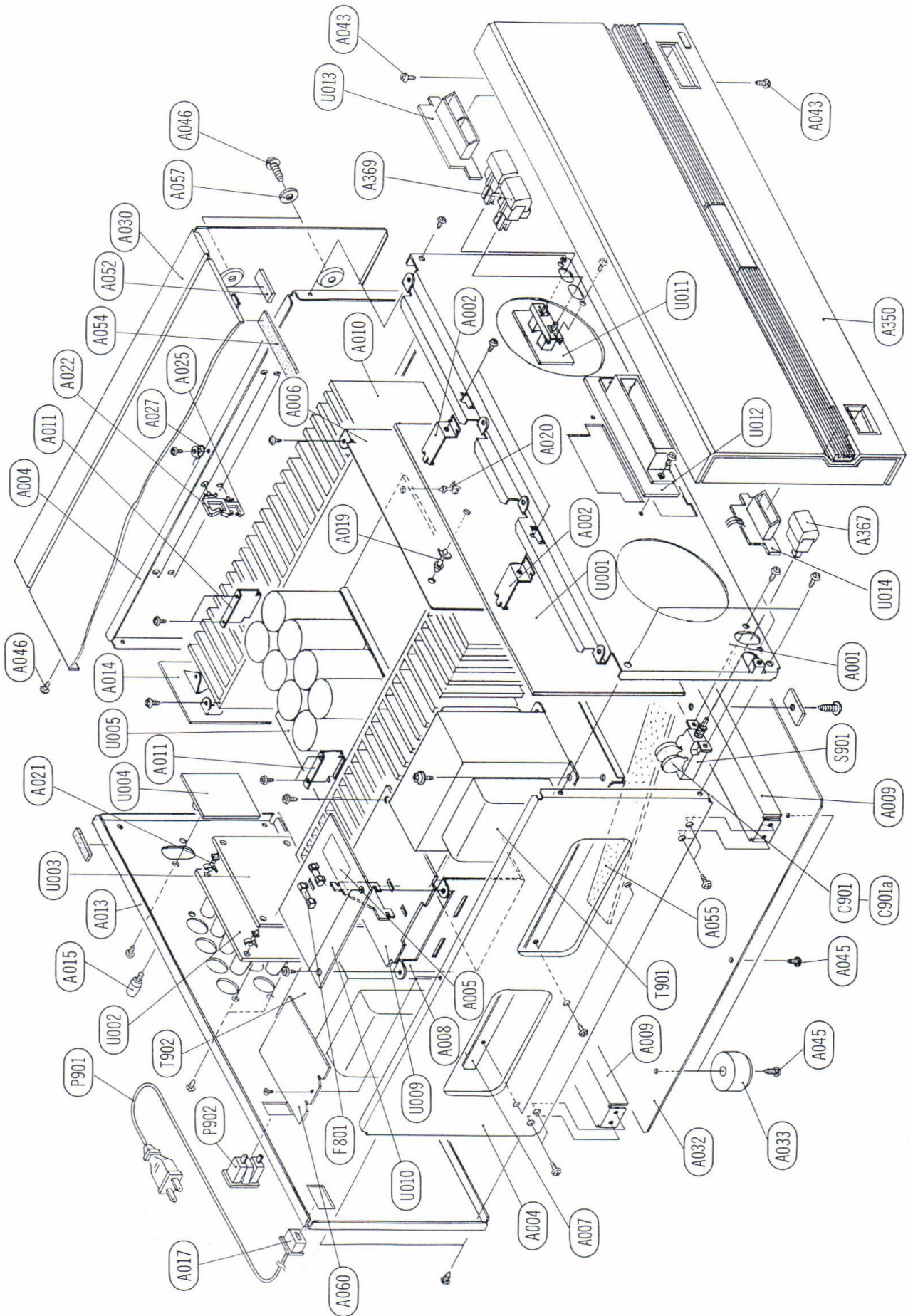
Worldwide models are equipped with a voltage selector to conform with local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before turning the power switch on. Voltage is changed by sliding the groove in the switch with a screwdriver to the right or left. Confirm that the switch has been moved all the way to the right or left before turning the power switch on. Models without a voltage selector can only be used in areas where the power supply is the same as that of the unit.



BLOCK DIAGRAM



EXPLODED VIEW



CHASSIS-EXPLODED VIEW – PARTS LIST

REF NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
A001	27110285C	Front bracket	Q449, Q450	2201653 or	2SC3856O or	U003	1A100515-1	NAETC-3315-1, Speaker terminal
A002	27141064	Bracket, FPC	Q457, Q458	2201655 or	2SC3856P or			PC board ass'y
A004	27115204C	Side bracket		2201654	2SC3856Y, Transistors	U004	1A100516-1	NAETC-3316-1, Input terminal PC
A005	29360626-1	Label		2201663 or	2SA1492O or			Board ass'y
A006	27150224	Shield plate	Q451, Q452	2201665 or	2SA1492P or	U005	1A100520-1	NAAF-3320-1, Power amplifier
A007	27130428B	Bracket, PT	Q459, Q460	2201664	2SA1492Y, Transistor			circuit PC board ass'y
A008	27141266	Bracket, PC	▲ T901	2300320	NPT-999D, Power transformer	U006	1A100521-1	NAETC-3321-1, Transistor(Q443)
A009	27130427	Bracket		2300321	NPT-999G, Power transformer			PC board ass'y
A010	27160195	Radiator		2300322	NPT-999DG, Power transformer	U007	1A100522-1	NAETC-3322-1, Transistor(Q445)
A011	27141068	Bracket, HE						PC board ass'y
A013	27121099	Back panel		2300323	NPT-999Q, Power transformer	U008	1A100523-1	NAETC-3323-1, Transistor(Q447)
								PC board ass'y
						U009	1A100524-1	NAPS-3324-1, Power supply circuit
								PC board ass'y
A014	27121100	Back panel	▲ T902	2300324	NPT-1000D, Power transformer			NAETC-3325-1, Fuse PC board
A015	27121102	Back panel		2300325	NPT-1000G, Power transformer			ass'y
A016	27121103	Back panel		2300326	NPT-1000DG, Power transformer	U010	1A100525-1	NAETC-3325-1, Fuse PC board
A017	27150215B	Shield plate						ass'y
A015	25060041	Ground terminal		2300327	NPT-1000Q, Power transformer			NAETC-3325-1A, Fuse PC board
A016	87644010	W4×10FBC, Washer						ass'y
A017	27300750	#2271, Bushing (cord)	▲ C901, C902	3500065A	0.01μF, AC400V/125V, Capacitor			NAETC-3325-1B, Fuse PC board
								ass'y
								NASW-3329-1, Speaker switch
A019	28190009	#2272, Bushing (cord)	▲ S901	25035381	NPS-121-L345P, Power switch	U011	1A100529-1	board ass'y
A020	27190011	Holder	▲ S902	25065195	NSS-1288P, Slide switch	U012	1A100530-1	NADIS-3330-1, Servo operation PC
A021	27190480	KGLS-4NS, Holder	▲ P901	253123 or	AS-UC-6#18 or			board ass'y
A022	27300243	KGLS-6S, Holder		253136 or	AS-UC-6#18 or	U013	1A100531-1	NADIS-3331-1, Speaker display PC
A025	27300833	WS-2WS, Clamp		253140 or	AS-UC-6#18 or			board ass'y
A030	28184319B	WS-2NS, Clamp		253146	AS-UC-6#18, Power supply cable	U014	1A100532-1	NADIS-3332-1, Power display PC
A032	27170226-2	Cover						board ass'y
A033	27175153	Bottom board	▲ P901	253148 or	AS-CEE or			
A043	834430088	Bottom leg ass'y		253150	AS-CEE, Power supply cable			
A045	831430088	3TTS+8BBC, Tap-tight screw	▲ P901	253131A	AS-CEE-3, Power supply cable			
A046	838440089	3TTW+8BBC, Tap-tight screw	▲ P901	253118	AS-SAA, Power supply cable			
A050	28140869	4TTB+8CBC, Tap-tight screw	▲ P901	728320 or	2-0.75BS16 BLK/GRY, Power			
A051	28140870	Cushion, Radiator(right)	▲ P901	728328	supply cable			
A052	28140870	Cushion, Radiator(left)						
A052	28140020	T4×10×40, Cushion						
A054	28140695	Cushion	▲ P902	25050290	2-0.75BS16 BLK/GRY, Power			
A055	28140761	Cushion	▲ C901A, C902A	27300601	supply cable			
A057	27270202	Washer	▲ F801, F802	252050	NSCT-2P118T, AC Outlet			
A060	28175129	Insulating plate	▲ F801, F802	252075	SB-1925, Cover (Capacitor)			
A350	1A100121	Front panel ass'y	▲ F801, F802		5A ST-6, Primary fuse			
A367	28323350A	Knob ass'y, POW	▲ F803, F804	252075	2.5A-SE-EAK, Primary fuse			
A369	28323351A	Knob ass'y, SP	U001	1A100510-1	2.5A-SE-EAK, Primary fuse			
A400	28185257	Side board, left						
A401	28185259	Side board, right						
A403	836440303	4STV+30FNBC, screw						
A404	870086	4×12BCBC, Special washer						

NOTE:
[D]: Only 120V models
[G]: Only 220V models
[W]: Only 120V/220V models
[X]: Only Military market models
[A]: Only Australian models
[B]: Only British models

NOTE:
THE COMPONENTS IDENTIFIED BY MARK ▲ ARE
CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK.
REPLACE ONLY WITH PARTS NUMBER SPECIFIED.

ADJUSTMENT

1. Preparation

- (1) Set the machine on the work table so that it is parallel to the table in its normal condition, with a space between the bottom of the machine and the table top of 15 mm to permit free passage of air.
- (2) There must be no load, no signal, and the VOLUME must be set to minimum level.
- (3) Before the adjustment, with the power switch OFF, there must be no heat internally.

2. Idling current adjustment

- (1) Turn ON the power switch and leave the unit as is for about 15 minutes.
- (2) Adjust the semi-fixed resistor R423 (R424) so that the voltage between terminals V CT and I ID of the printed circuit board NAAF-3320 is 15mV. (Standard value is $15 \pm 3\text{mV}$.)

Note: Semi-fixed resistor in () indicates RIGHT CHANNEL.

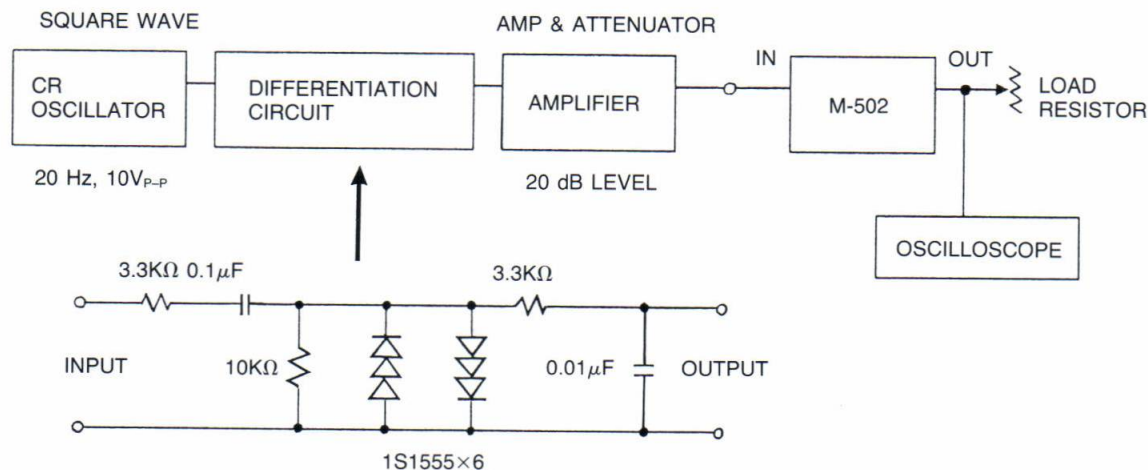
3. Confirmation of protective circuit operation

- (1) Check of speaker relay and muting operation
 - ① About 5 seconds after power is turned ON, relay RL782 or RL783 of PCB NAETC-3314 must go ON.
 - ② At the same time as the above relays go ON, the SERVO OPERATION lamp must light.
 - ③ When the power switch is turned OFF, immediately all relays must go OFF.
- (2) Confirmation of DC detector operation
 - ① In the no-load condition, turn ON the power switch.
 - ② When 1V DC is applied to the input terminal, the speaker relay must operate and the SERVO OPERATION lamp must go out.
 - ③ The same condition must occur for an input of -1V DC applied to the input terminal.

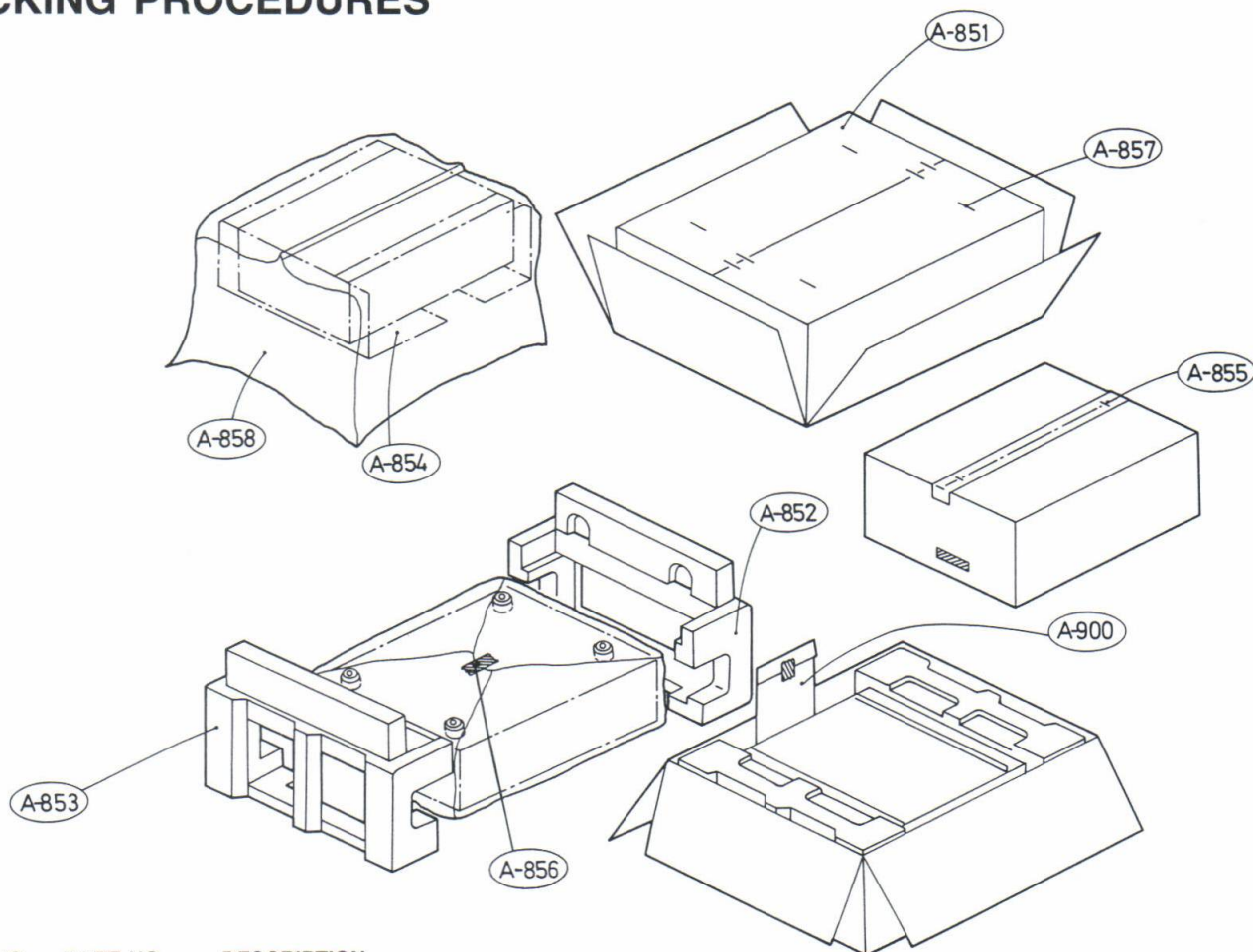
Note: At the time of making this test, there must be absolutely no load connected, and no short at the output terminal. (This is to avoid damage to the speaker relay contacts.)

- (3) Confirmation of current detection operation
 - ① In the no-load condition with connections made as shown in the diagram below, input a signal to the set.
 - ② Adjust the input so that the set output is 40V p-p.
 - ③ When a load of 2Ω is connected to the set, Relays RL782 or RL783 must not go OFF.
 - ④ Next, when a load of 0.33Ω is connected to the set, after the speaker relay goes ON-OFF several times, it must hold in the OFF condition.

NOTE: When there is a circuit abnormality and the protective circuit operates, the speaker relay goes ON-OFF several times repeatedly, and after several seconds, it is held in the OFF condition. Also, even after the cause of the abnormality has been eliminated, it remains held as it is. To cancel this condition turn OFF the power for several minutes.



PACKING PROCEDURES



REF. NO.	PART NO.	DESCRIPTION	
A851	29051696	Master carton box	[D][G][W][A][B]
	29051733	Master carton box	[X]
A852	29091081C	Pad ass'y, L	
	29091087C	Pad ass'y, L	[X]
A853	29091084B	Pad ass'y, R	
	29091090B	Pad ass'y, R	[X]
A854	290093-1	Sheet	
	29095319	Sheet	[X]
	29095447	Sheet, P	[X]
A855	260012	Damplon tape	
A856	261504	Paper tape	
A857	282301	Sealing hook	
A858	29100038A	720×950mm, Poly-vinyl bag	
	28330072	CAP (outlet)	[X]
	29360815	Label (120)	[X]
	29380084	Caution (120)	[X]
	29360816	Label (220)	[X]
	29380085	Caution (220)	[X]

A900

Accessory bag ass'y

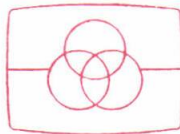
29341258	Instruction manual	[D][N]
29341259	Instruction manual	[G][W][A][B]
29341299	Instruction manual	[X]
29341265	Instruction manual(I)	[G]
29365019	Warranty card	[N]
29365021	Warranty card	[X]
29358002 F	Service station list	[N][X]
2010097	Connection cable	
29100006A	350×250mm, Poly-vinyl bag for accessory	
25055018	CV-K-1, Conversion plug	[W]
25055251	CV-CP, Conversion plug	[X]

NOTE

[D]: Only 120V models
 [G]: Only 220V models
 [W]: Only 120V/220V models
 [N]: Only U.S.A. models
 [X]: Only Military market models
 [A]: Only Australian models
 [B]: Only British models

SERVICE NOTES

1. When the push switch knob is removed, the switch lock must be in the OFF condition. In particular, because it is desirable for the vertical push switch to be pulled out, care should be taken. (This is to prevent damage to the lock section.)
2. Care should be taken to avoid using excessive force when handling the speaker terminal board NAETC-3315 and the speaker relay board NAETC-3314. (This is to prevent damage to the boards.)
3. When a meter is connected to the NF loop internal circuit, the relationship of the measuring lead wire capacity and the input impedance of the meter can cause oscillation in the amplifier. When such occurs, if a 100Ω resistor is connected to the end of the meter cable, this condition can be alleviated.
4. When making amplifier measurements, if a signal is taken from the load resistor side (dummy load), because of the possibility of an output error with a large distortion measurement, the signal taken should be directly from the amplifier terminal side.



Free service manuals

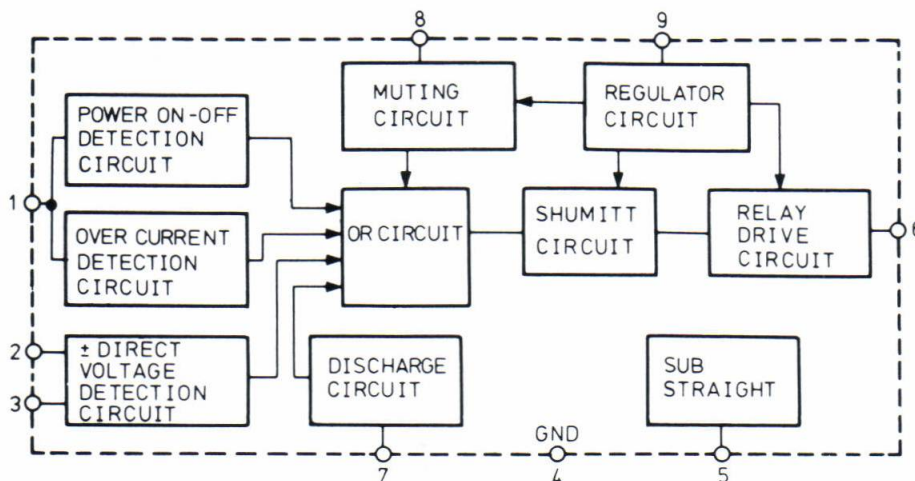
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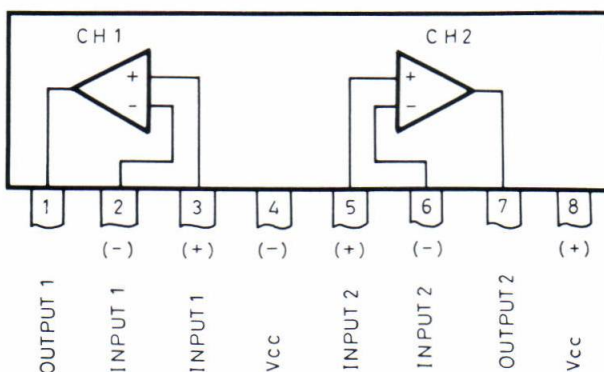
IC BLOCK DIAGRAM

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TA7317P (Protective Driver)



M5218L (OP Amp)



PRINTED CIRCUIT BOARD PARTS LIST

SERVO AND PROTECTION CIRCUIT PC BOARD (NAAF-3310-1) – PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
-------------	----------	-------------

Transistors

Q201, Q202	2212806 or 2212807	2SK389-BL or 2SK389-V
Q702	2211424	2SA817-Y
Q706	2201286 or 2201285	2SD882-P or 2SD882-Q

ICs

Q203, Q204	222652	M5218L
Q701	222584	TA7317P

Diodes

D201~D204	223163	1SS133
D205~D208	224651301 or 224451301 or 224151301	HZ13E-B1 or MTZ13-A or 05AZ13-X
D701	223163	1SS133
D702	224650623 or 224450623 or 224150623	HZ6.2E-B3 or MTZ6.2-C or 05AZ6.2-Z
D705	223889	RC202
D706	223894	1N4002F

Capacitors

C205, C206	372125614	560pF, 50V, Styrene
C207, C208	372122214	220pF, 50V, Styrene
C215~C218	391264707	47μF, 35V, Elect. (MUSE)
C223~C226	354742219	220μF, 16V, Elect.
C701, C702	354722219	220μF, 6.3V, Elect.
C704	354742209	22μF, 16V, Elect.
C706	354784799	0.47μF, 50V, Elect.
C707	354742219	220μF, 16V, Elect.
C708, C713	354751029	1000μF, 25V, Elect
C709, C710	379121045	0.1μF, 50V, Film (DEW)

Resistors

R213, R214	441626814	680Ω, 1W, Metal oxide film
R215, R216	441722234	22KΩ, 2W, Metal oxide film
R225, R226	442522724	2.7KΩ, 1/2W, Metal oxide film
R717	442520104	1Ω, 1/2W, Metal oxide film
R722	442525114	510Ω, 1/2W, Metal oxide film
R725	441721004	10Ω, 2W, Metal oxide film
R727	442521824	1.8KΩ, 1/2W, Metal oxide film
R911, R912	442522294	0.22Ω, 1/2W, Metal oxide film

Socket ass'y

P202	2000553	NSAS-6P509
P207, P208	2000889	NSAS-6P845

Jumper sockets

JL401, JL402	25050285	NSCT-8P113
JL409	25050283	NSCT-6P111
JL601, JL604	25050280	NSCT-3P108
JL607		
JL603	25050281	NSCT-4P109

SPEAKER RELAY CIRCUIT PC BOARD (NAETC-3314-1) – PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
-------------	----------	-------------

Diodes

D782, D783	223145	1S2076TD
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Coils

L781~ L784	231015	S-0.8C
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CIRCUIT NO.	PART NO.	DESCRIPTION
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Capacitors

C783~ C786	379121245	0.12μF, 50V, Film (DEW)
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Resistors

R781~ R784	441620514	5.1Ω, 1W, Metal oxide film
R785, R786	441720514	5.1Ω, 2W, Metal oxide film

Relays

RL782, RL783	25065316	NRL-2P7A-DC12-43
--------------	----------	------------------

Jumper sockets

JL407, JL408	25050273	NSCT-9P101
JL603	25050268	NSCT-4P96

SPEAKER TERMINAL PC BOARD (NAETC-3315-1) – PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
-------------	----------	-------------

Terminals

P791, P792	25060120	NTM-4PDMN054
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INPUT TERMINAL PC BOARD (NAETC-3316-1) – PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
-------------	----------	-------------

Terminal

P101	25045071	NPJ-2PDBL35
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POWER AMPLIFIER CIRCUIT PC BOARD (NAAF-3320-1) – PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
-------------	----------	-------------

Transistors

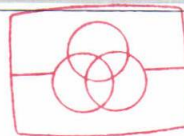
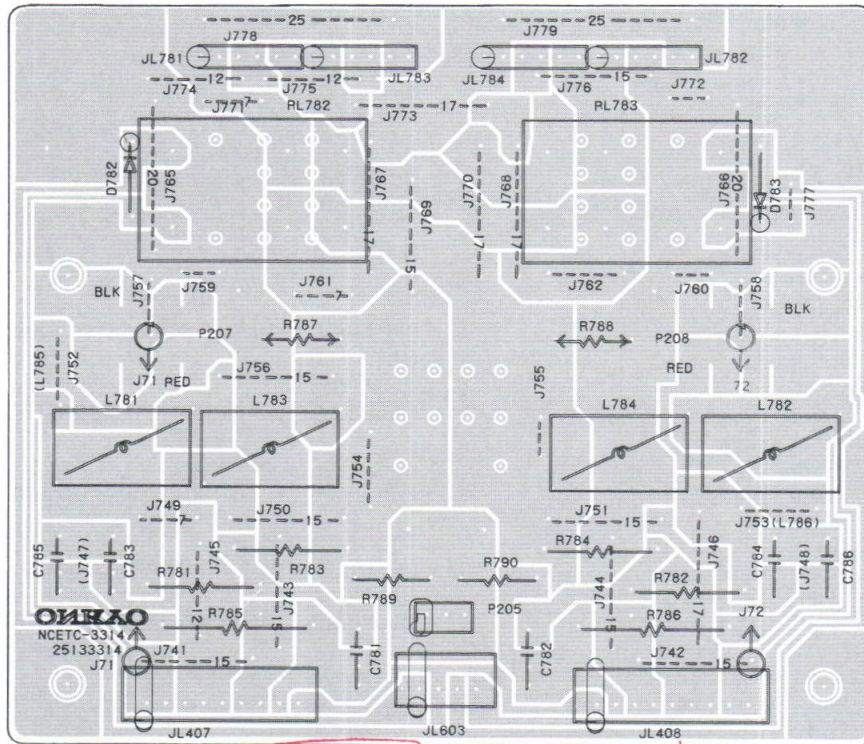
Q401~ Q404	2211732 or 2211733	2SC1845-F or 2SC1845-E
Q405, Q406	2211792 or 2211793	2SA992-F or 2SA992-E
Q407, Q408	2211414	2SC1627-Y
Q411~ Q414	2211782 or 2211783	2SA991-F or 2SA991-E
Q415~ Q418	2211902 or 2211903	2SC1844-F or 2SC1844-E
Q421~ Q424	2211354 or 2211353	2SA949-Y or 2SA949-O
Q425, Q426	2211634 or 2211633	2SC2229-Y or 2SC2229-O
Q427, Q428	2211792 or 2211793	2SA992-F or 2SA992-E
Q429, Q430	2212560	2SC3333
Q431, Q432	2211255	2SC1815-GR
Q433, Q434	2211455	2SA1015-GR
Q435, Q436	2211634 or 2211633	2SC2229-Y or 2SC2229-O
Q437, Q438	2211354 or 2211353	2SA949-Y or 2SA949-O

Diodes

D405~D408	223163	1SS133
D409~D412	225218	LTZ-MR15, LED
D417~D420		
D413~D416	223162	1SS82
D421, D422	223163	1SS133

PRINTED CIRCUIT BOARD VIEW FROM BOTTOM SIDE

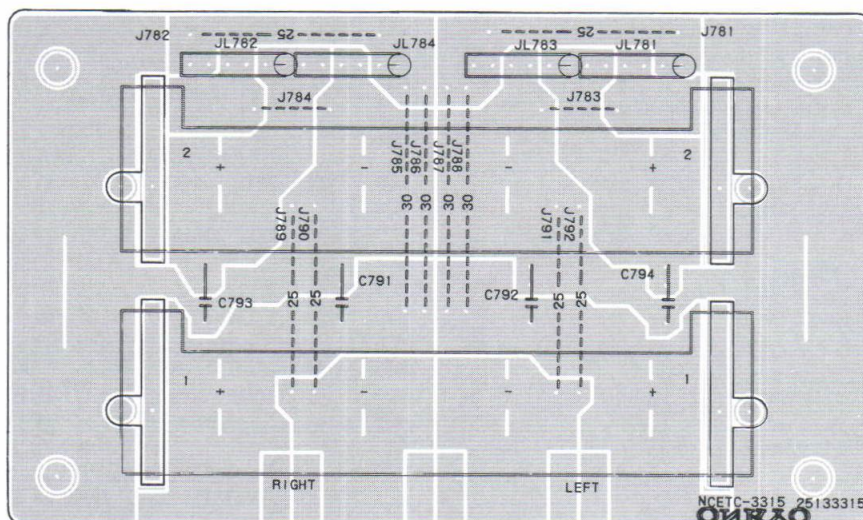
NAETC-3314-1



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CIRCUIT NO. PART NO. DESCRIPTION

D423,D424	223168	DA210S
D431,D432	223163	1SS133
D433,D434	223145	1S2076TD
D435~D438	22380003	1N5402F
D439~D442	223162	1SS82
D461, D462	224651002 or 224151002	HZ10E-B2 or 05AZ10-Y

Capacitors

C405~C408	354743319	330 μ F, 16V, Elect.
C413~C416	391241007	10 μ F, 16V, Elect. (MUSE)
C423, C428		
C417, C418	379121025	1000pF, 50V, Film (DEW)
C435, C436	379131045	0.1 μ F, 100V, Film (DEW)
C437, C438	379122245	0.22 μ F, 50V, Film (DEW)
C443~C446	379124735	0.047 μ F, 50V, Film (DEW)
C455~C462	3504226	6800 μ F, 80V, Elect.
C465, C466	354782299	0.22 μ F, 50V, Elect.

Resistors

R401~R404	442525614	560 Ω , 1/2W, Metal oxide film
R405, R406	442523314	330 Ω , 1/2W, Metal oxide film
R411, R412	442521614	160 Ω , 1/2W, Metal oxide film
R413, R414	441624734	47K Ω , 1W, Metal oxide film
R415, R416	442521234	12K Ω , 1/2W, Metal oxide film
R423, R424	5225076	N10HR22KBDM, Semi-fixed
R429~R432	441723324	3.3K Ω , 2W, Metal oxide film
R433~R436	442521214	120 Ω , 1/2W, Metal oxide film
R441~R444	442521024	1K Ω , 1/2W, Metal oxide film
R445~R448	442523914	390 Ω , 1/2W, Metal oxide film
R457~R460	442525104	51 Ω , 1/2W, Metal oxide film
R463, R464	442520514	5.1 Ω , 1/2W, Metal oxide film
R465, R466	441720754	7.5 Ω , 2W, Metal oxide film
R467~R470	442520224	2.2 Ω , 1/2W, Metal oxide film
R475~R478		
R479~R482	442521014	100 Ω , 1/2W, Metal oxide film
R487~R490		
R491~R494	4000080	0.47 Ω , 5W, Metal plate
R501~R504		
R505~R508	4000063	0.47 Ω , 2W, Metal plate
R513~R516		
R541, R542	442520474	4.7 Ω , 1/2W, Metal oxide film

Jumper sockets

JL403,JL404	25050267	NSCT-3P95
JL405,JL406	25050270	NSCT-6P98

Bracket

27130430	(KE)
27300826	Bus (S)
27300827	Bus (C)

TRANSISTOR PC BOARD (NAETC-3321-1) – PARTS LIST**CIRCUIT NO. PART NO. DESCRIPTION**

Transistors		
Q443,Q444	2212864 or 2212863	2SC3419-Y or 2SC3419-O
Capacitors		
C463, C464	379122235	0.022 μ F, 50V, Film (DEW)

TRANSISTOR PC BOARD (NAETC-3322-1) – PARTS LIST**CIRCUIT NO. PART NO. DESCRIPTION**

Transistors		
Q445,Q446	2201644 or 2201643	2SC3298-Y or 2SC3298-O

TRANSISTOR PC BOARD (NAETC-3323-1) – PARTS LIST**CIRCUIT NO. PART NO. DESCRIPTION**

Transistors		
Q447,Q448	2201634 or 2201633	2SA1306-Y or 2SA1306-O

POWER SUPPLY CIRCUIT PC BOARD (NAPS-3324-1) – PARTS LIST**CIRCUIT NO. PART NO. DESCRIPTION**

Diodes		
D801,D802	22380014AF	PB102F
Capacitors		
C801~C804	375103345	0.33 μ F, 125V, Film (ME)
C805, C806	375104745	0.47 μ F, 125V, Film (ME)
Resistors		
R801~R804	442522294	0.22 Ω , 1/2W, Metal oxide film
R805, R806	442527504	75 Ω , 1/2W, Metal oxide film

FUSE PC BOARD (NAETC-3325-1,NAETC-3325-1A, NAETC-3325-1B) – PARTS LIST**CIRCUIT NO. PART NO. DESCRIPTION**

Fuse holders		
F801a,F802a	250113	S-N5051
F803a,F804a	25050065	YSH403T
Terminal		
	25060092	NTM-1S33

SPEAKER SWITCH PC BOARD (NASW-3329-1) – PARTS LIST**CIRCUIT NO. PART NO. DESCRIPTION**

Switch		
S701,S702	25035591	NPS-222-L553

SERVO OPERATION PC BOARD (NADIS-3330-1) – PARTS LIST**CIRCUIT NO. PART NO. DESCRIPTION**

Lamps		
PL701, PL702	210160	PL14V150mA
Holder		
	27190640B	Lamp holder

SPEAKER DISPLAY PC BOARD (NADIS-3331-1)**– PARTS LIST**

CIRCUIT NO.	PART NO.	DESCRIPTION
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Diodes

D911~D914	225137CG or 225137CY or 225137DG or 225137DY	SEL-2413E-CG or SEL-2413E-CY or SEL-2413E-DG or SEL-2413E-DY, LED
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Holder

27190639	LED Holder (SP)
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POWER DISPLAY PC BOARD (NADIS-3332-1) – PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
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Diodes

D915, D916	225142DX2	SEL2913KDX2, LED
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Jumper socket

JL601	25050280	NSCT-3P108
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Holder

27190638	LED Holder (POW)
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NOTE

[D]: Only 120V models

[G]: Only 220V models

[W]: Only 120V/220V models

[X]: Only Military market models

[Q]: British and Australian models

A | **B**

SCHEMATIC DIAGRAM (120V Model)

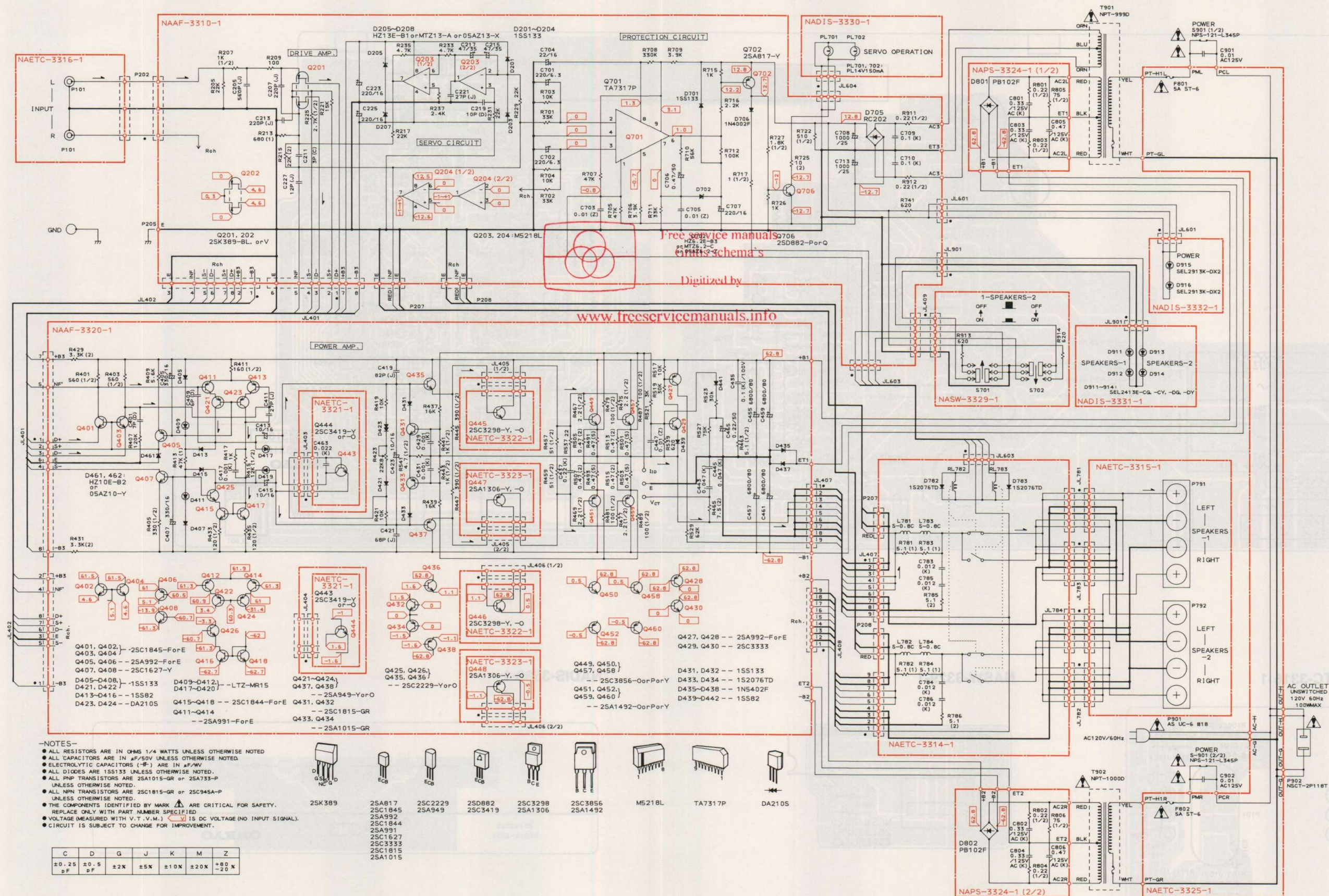
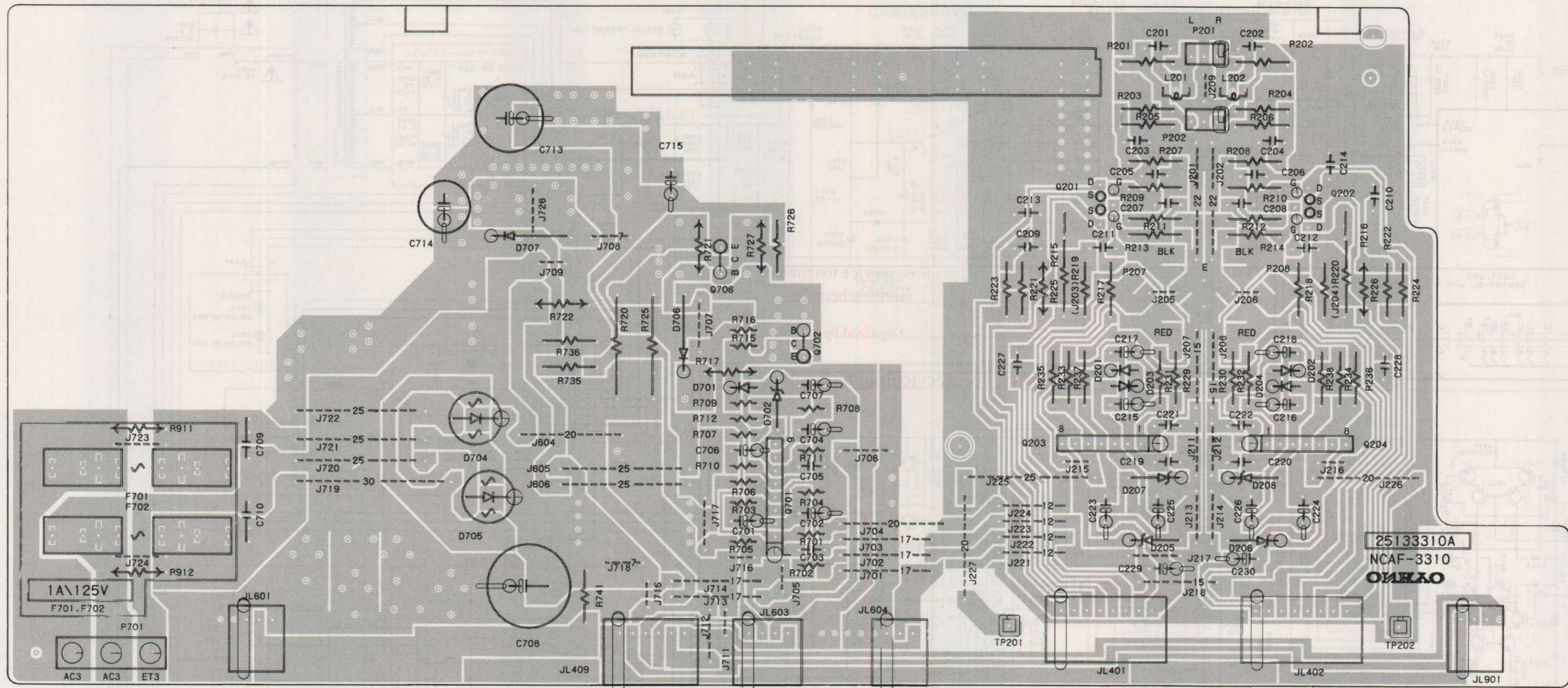
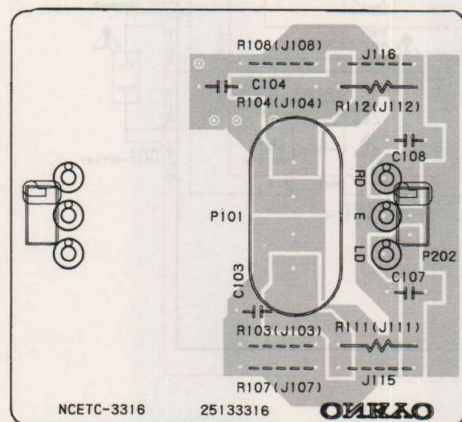


DIAGRAM (120V Model)

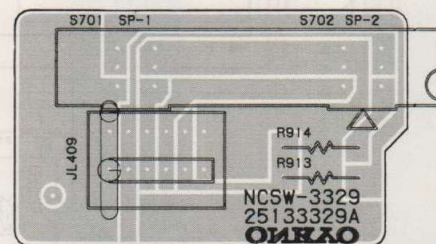
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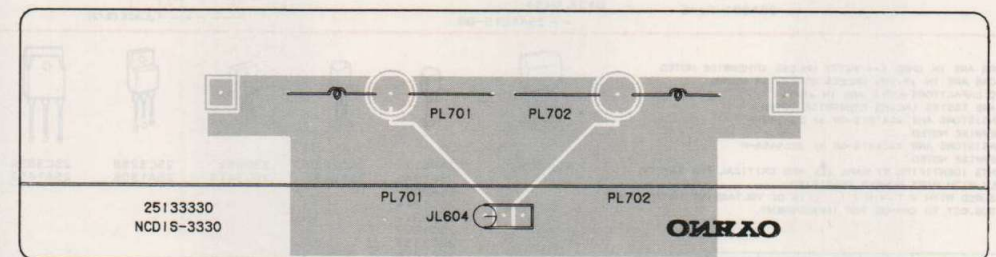
NAETC-3316-1



NASW-3329-1



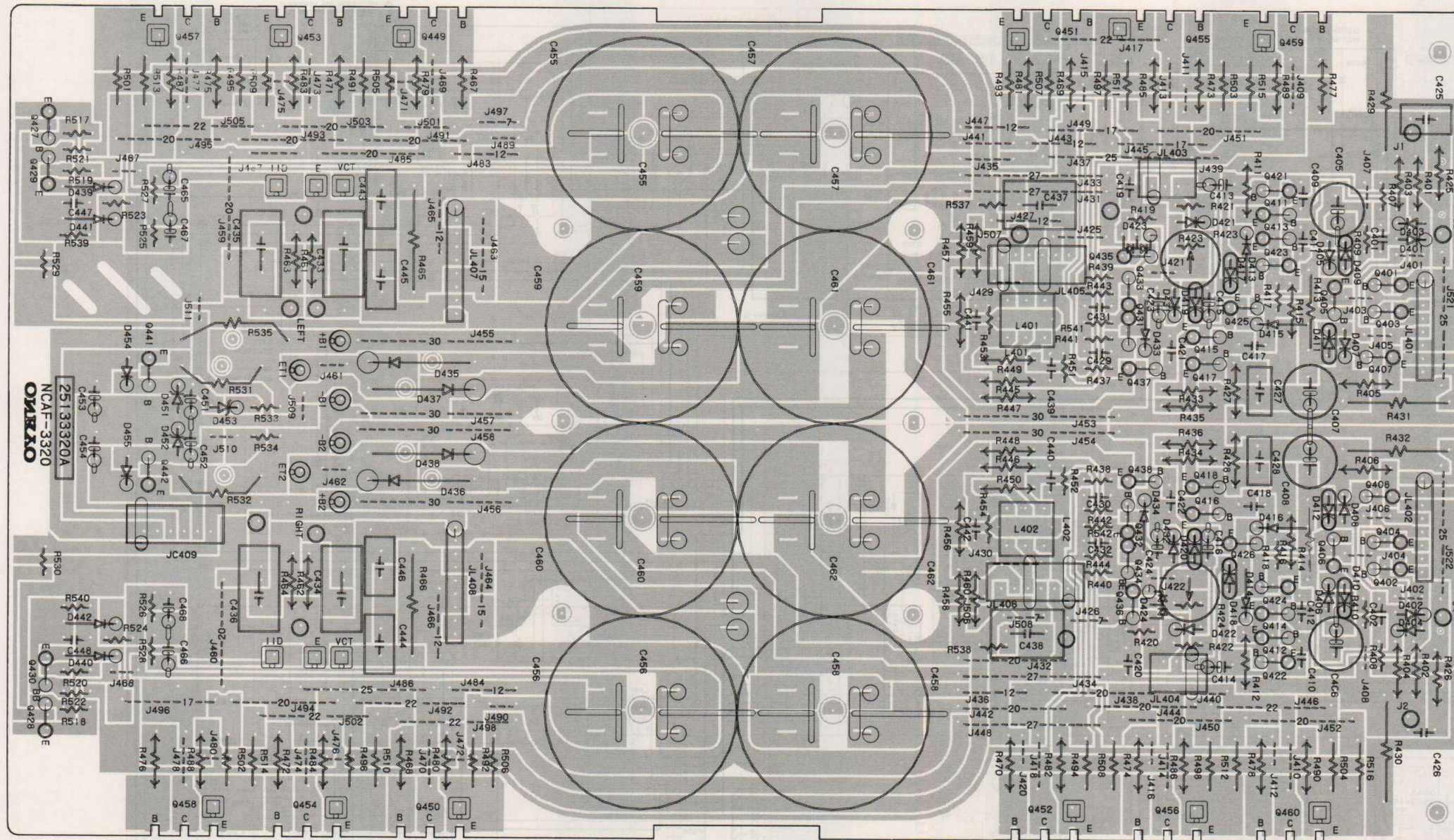
NADIS-3330-1



1-0588-FAA



NAAF-3320-1



NAETC-3321-1



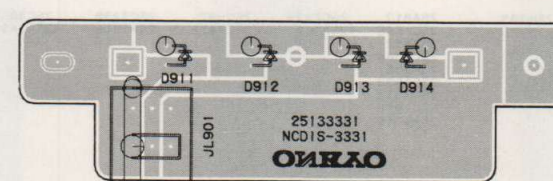
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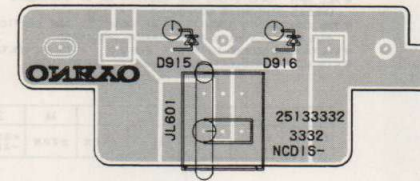
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NADIS-3331-1

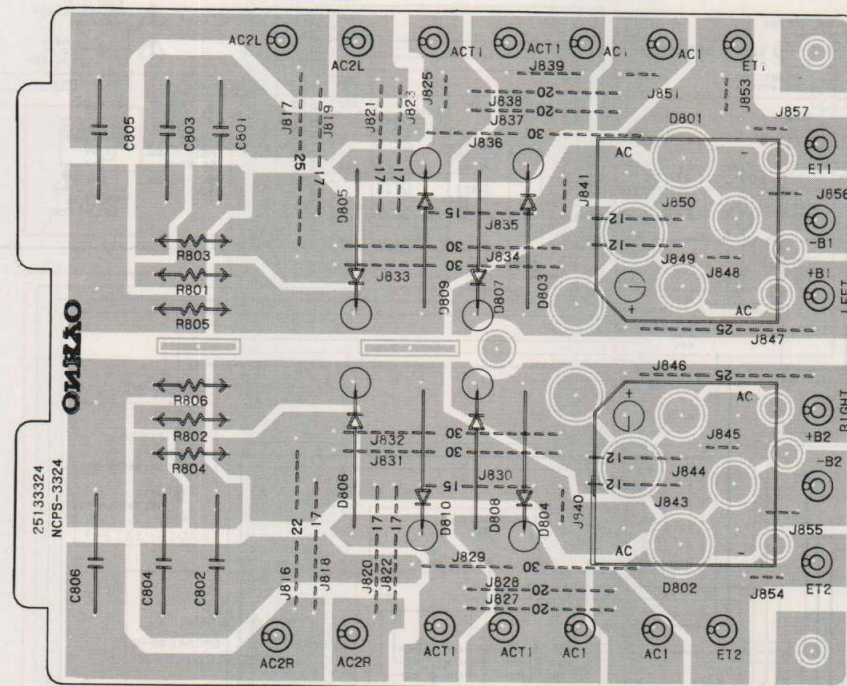


NADIS-3332-1

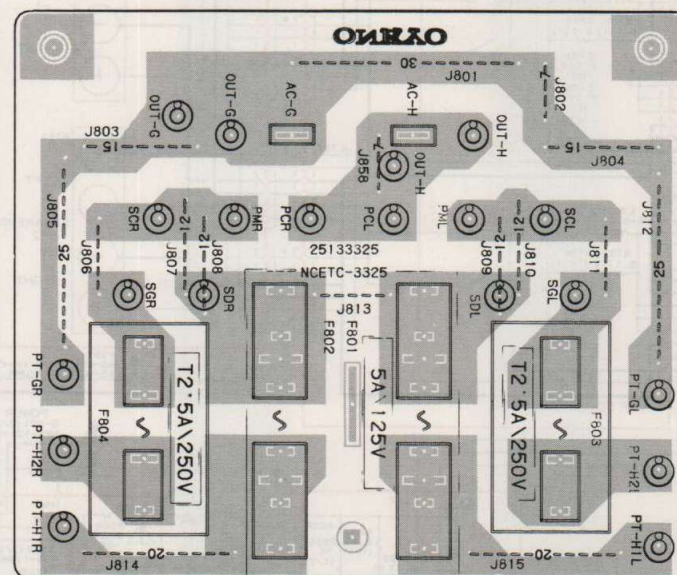


SCHEMATIC DIAGRAM (Worldwide Model)

NAPS-3324-1



NAETC-3325-1

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