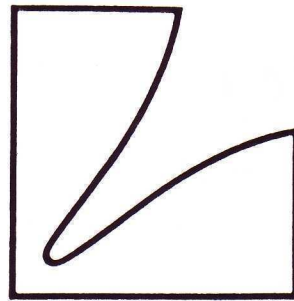


SERVICE MANUAL



VACUUM-STATE STEREO POWER AMPLIFIER **MQ68C**

Alignment Procedure

1) Idling adjustment

Volume control	-----	set at minimum
VR-01 a.b.	-----	set at left end
VR-02 a.b.	-----	set at center
setting condition: VR-03 a.b.	-----	"
VR-04 a.b.	-----	"

- (1) Turn the power switch on, and connect the DC voltage meter to both ends of cathode resistor, 10 ohms/3W of all power tube (50C-A10 cathode: No. 10)
- (2) When 5 minutes passed after the power switch was turned on, adjust both the VR-01 a.b. and VR-02 a.b. so that the voltage meter connected to the cathodes of 50C-A10 shows 0.5V.

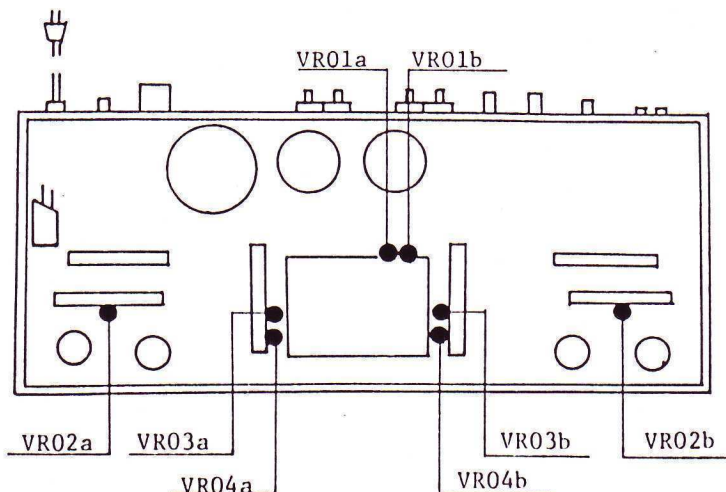
2) Distortion alignment

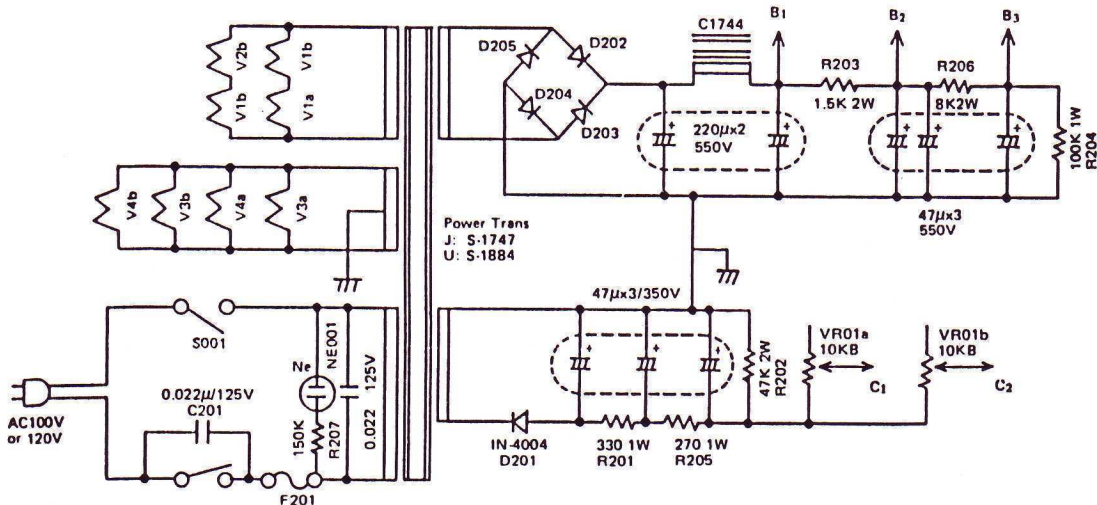
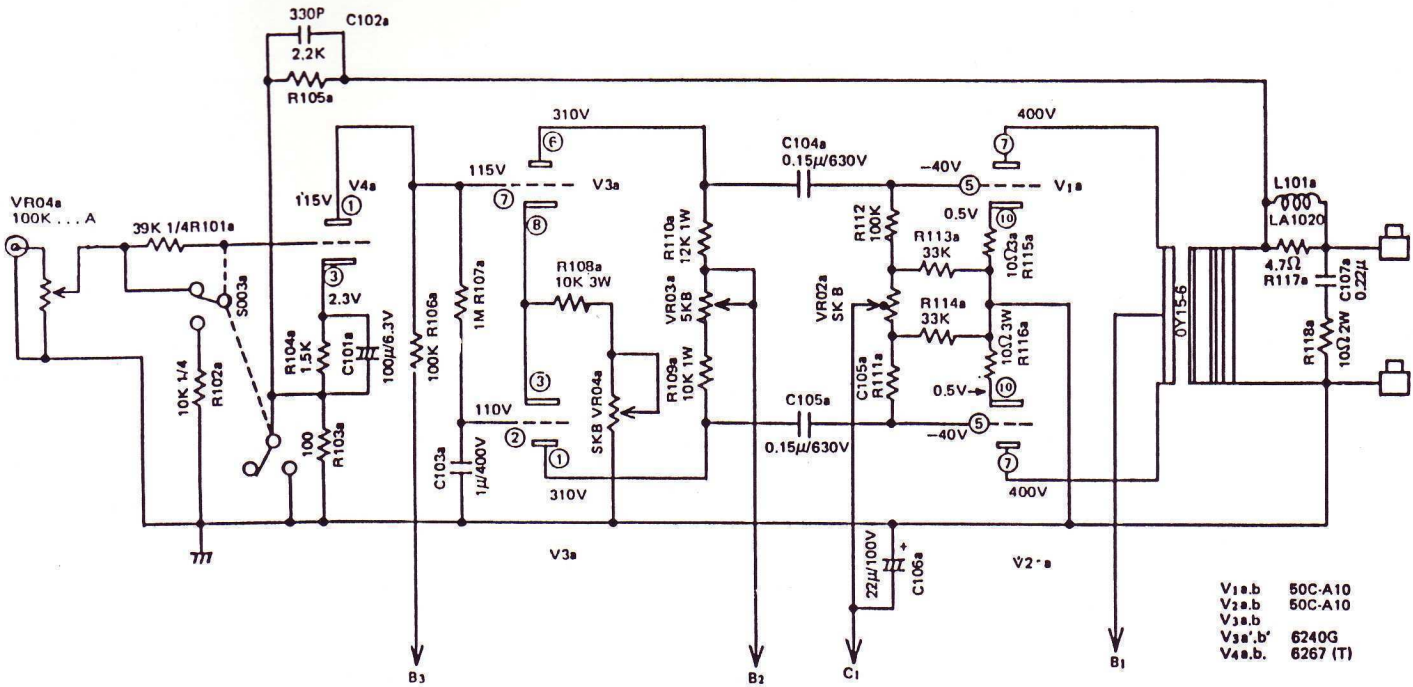
- (1) After complete adjustment of idling voltage, connect the 8 ohms non-inductance load to the speaker terminal, while connecting the low distortion audio signal generator to the input terminal.
The output level of signal generator, however, shall be set at minimum with its frequency at 1KHz sign wave.
- (2) Set the output volume maximum, and adjust the output voltage of signal generator so that the output voltage at the speaker terminal shows 8.95V(10W approximately).
- (3) Under above mentioned condition, connect the distortion meter to the speaker terminal, and adjust both the VR-03 a.b. and VR-04 a.b. so that the distortion meter shows minimum level.

Caution: Due to the fluctuation of VR-03 a.b. and VR-04 a.b., difference of gain comes out at the time of NF on and off. The minute adjustment is needed so that the gain difference and distortion can be found minimum.

Remarks: Note that (a) and (b) stated with VR means left and right channel respectively.

Adjustment Location





SPECIFICATIONS

Note Load: 8 ohm

NFB. Switch	ON	OFF
Power Output:	25W x 2	25W x 2
T.H. Distortion (f:1KHz):	0.05%	0.3%
Frequency Response (within -1dB, 1W):	10Hz-60KHz	20Hz-30KHz
Input Impedance:	100K ohms	48K ohms
Input Sensitivity:	880mV	880mV
S/N (IHF.A, Curve):	105dB	95dB
Damping Factor: (f:1KHz)	14.5	2.3
Cross Talk: (f:1KHz)	90dB	70dB

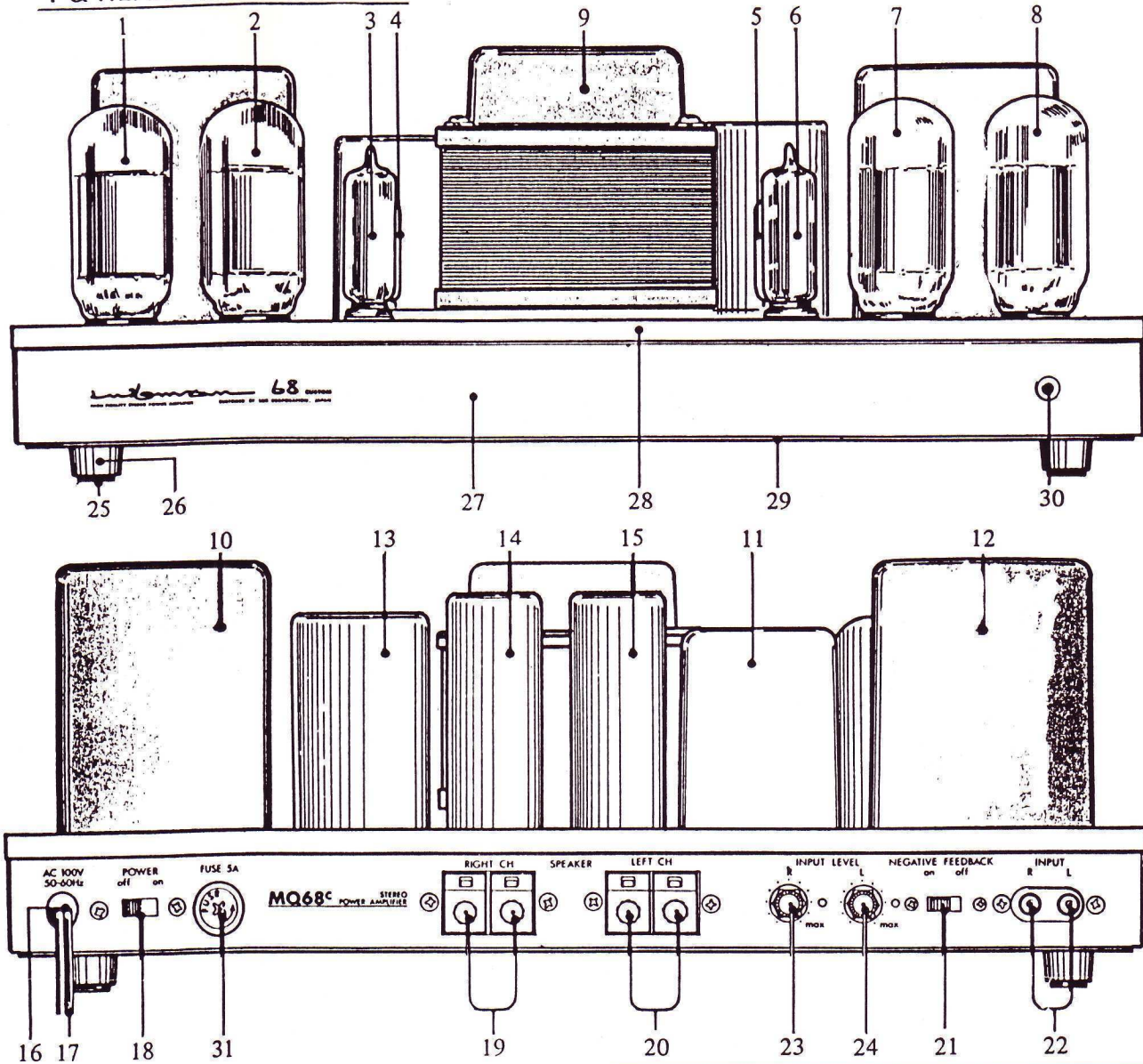


LUX CORPORATION, JAPAN

1-1, 1-CHOME, SHINSENRI-NISHIMACHI, TOYONAKA-SHI, OSAKA 565
 PHONE: 06-834-0004 CABLE: LUXMAN TOYONAKA TELEX: J63694

Printed in Japan

FRONT & REAR VIEW PARTS LIST



SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Tube)			
1	TT0006	50C-A10	
2	TT0006	50C-A10	
3	TT5002	6240G	
4	TT0007	6267	
5	TT0007	6267	
6	TT5002	6240G	
7	TT0006	50C-A10	
8	TT0006	50C-A10	
(Bushing, Power Cord)			
16	BU0033	SR-4N-4	
*17	BK0015	0.75MM2-VFF	J
*17	BK0018	A-18BF	UZ
(Knob)			
23	WJ0001	Input level(R)	
24	WJ0001	Input level(L)	

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Transformer)			
*9	PT0025	S-1747 Power	J
*9	PT0072	S-1884 Power	UZ
10	PT2230	OY15-6 Output	
11	PT0026	C-1744 Choke Coil	
12	PT2230	OY15-6 Output	
(Electrolytic Capacitor)			
13	CE5038	220uFx2 550V	
14	CE5021	47uFx3 550V	
15	CE5020	47uFx3 350V	
(Switch, Terminal)			
18	SS0015	Slide, Power SW.	
19	AT0072	SP. Terminal	
20	AT0072	X-Q2454	
21	SS5008	Slide, NF. Selector	
22	AT0102	Input Terminal 2P	
S001	SP5003	Safety SW.	

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Foot, Neon Lamp, Fuse Holder)			
25	BU5001	Foot, 4850-15	
26	WN5001	Metal Foot	
30	AL0001	Neon Lamp BNB-2	
31	AH0002	Fuse Holder SN-2059	
(Resistor) Unit: ohm Rd: Carbon Ro: Oxid Metal			
R101ab	RB0220	39K 1/4W Rd	
R102ab	RB0206	10K 1/2W Rd	
R103ab	RD2558	100 1/2W Ro	
R104ab	RD2586	1.5K 1/2W Ro	
R105ab	RD2590	2.2K 1/2W Ro	
R106ab	RD2630	100K 1/2W Ro	
R107ab	RD2654	1M 1/2W Ro	
R108ab	RS5046	10K 3W Ro	
R109ab	RS5025	10K 1W Ro	
R110ab	RS5040	12K 1W Ro	
R111ab	RB0206	10K 1/4W Rd	
R112ab	RB0206	10K 1/4W Rd	
R113ab	RD2618	33K 1/2W Ro	
R114ab	RD2618	33K 1/2W Ro	
R115ab	RG5001	10 3W Ro	
R116ab	RG5001	10 3W Ro	
R117ab	RS2876	4.7 2W Ro	
R118ab	RS5044	10 2W Ro	
R202	RS5042	4.7K 2W Ro	
R203	RS5041	1.5K 2W Ro	
R204	RS5016	100K 1W Ro	
R205	RS5039	270 1W Ro	
R206	RS5038	18K 2W Ro	
R207	RD2634	150K 1/2W Rd	
(Trimming Potentiometer)			
VR01ab	RT5006	10K ohm B	
VR02ab	RT5005	5K ohm B	
VR03ab	RT5005	5K ohm B	
VR04ab	RT5005	5K ohm B	
(Packing Material)			
	XD1032	Pad, 1032 Side	
	XD1033	Pad, 1033 Loop	
	XD1034	Pad, 1034 Output&Tube	
	XD1035	Pad, 1035 Bonnet	
	XA1282	Carton, 1282	
	MA5031	Owner's Manual	J
	ME5017	Owner's Manual	U

*Notes

J: 100V Japan
UZ: 120V U.S.A.

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Chassis, Bottom Plate, Bonnet)			
27	UA5023	Chassis 5023	
28	UA5022	Top Plate	
29	UE5006	Bottom Plate 128	
NC	UG5016	Bonnet 5016	
NC	WE5002	Bonnet Guide Pin	
(Capacitor) My: Mylar E1: Electrolytic Mi: Mica Ac: Ac capacitor			
C101ab	CE0120	100uF 6.3V E1	
C102ab	CM0149	330pF 50V Mi	
C103ab	CQ0317	1uF 400V My	
C104ab	CQ5039	0.15uF 630V My	
C105ab	CQ5039	0.15uF 630V My	
C106ab	CE0126	22uF 100V E1	
C107ab	CQ0003	0.22uF 50V My	
C201	CU0003	0.022uF 125V Ac	
C202	CU0003	0.022uF 125V Ac	
(Diode)			
D201	TD0004	1N-4004 Diode	
D202	TD0080	RA-1B Diode	
D203	TD0080	RA-1B Diode	
D204	TD0080	RA-1B Diode	
D205	TD0080	RA-1B Diode	
(Lug, Terminal)			
	AG0029	L-E1 1L1P/L Lug	
	AG0055	L-2E 1L2P/R Lug	
	AG5002	ML-18 5P Lug	
	AG5003	ML-18 7P Lug	
(Tube Socket)			
	AS0007	9P, M-1116	
	AS0011	12P, S-B2603	
(Potentiometer)			
VR04ab	RV5008	Input level 100Kohm(A)	
(Neon Lamp)			
NE001	AL0001	BNB-2	
(Fuse)			
*F201	BF0001	5A	J
*F201	BF0082	ULCS-MF61ML-5A	UZ
(Choke Coil, Switch)			
L101ab	LA1020	LUX-1020	

SPECIFICATIONS

Note Load: 8 ohm

NFB. Switch	ON	OFF
Power Output: T.H. Distortion (f:1KHz): Frequency Response (within -1dB, 1W): Input Impedance: Input Sensitivity: S/N (IHF.A, Curve): Damping Factor: (f:1KHz) Cross Talk: (f:1KHz)	25W x 2 0.05% 10Hz-60KHz 100K ohms 880mV 105dB 14.5 90dB	25W x 2 0.3% 20Hz-30KHz 48K ohms 880mV 95dB 2.3 70dB



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