Antique Sound Lab

AQ 1005 DT Integrated amplifier.

INTSALLING TUBES:

- Connect amplifier to loudspeakers.
- Install all tubes as numbered in to the designated sockets.

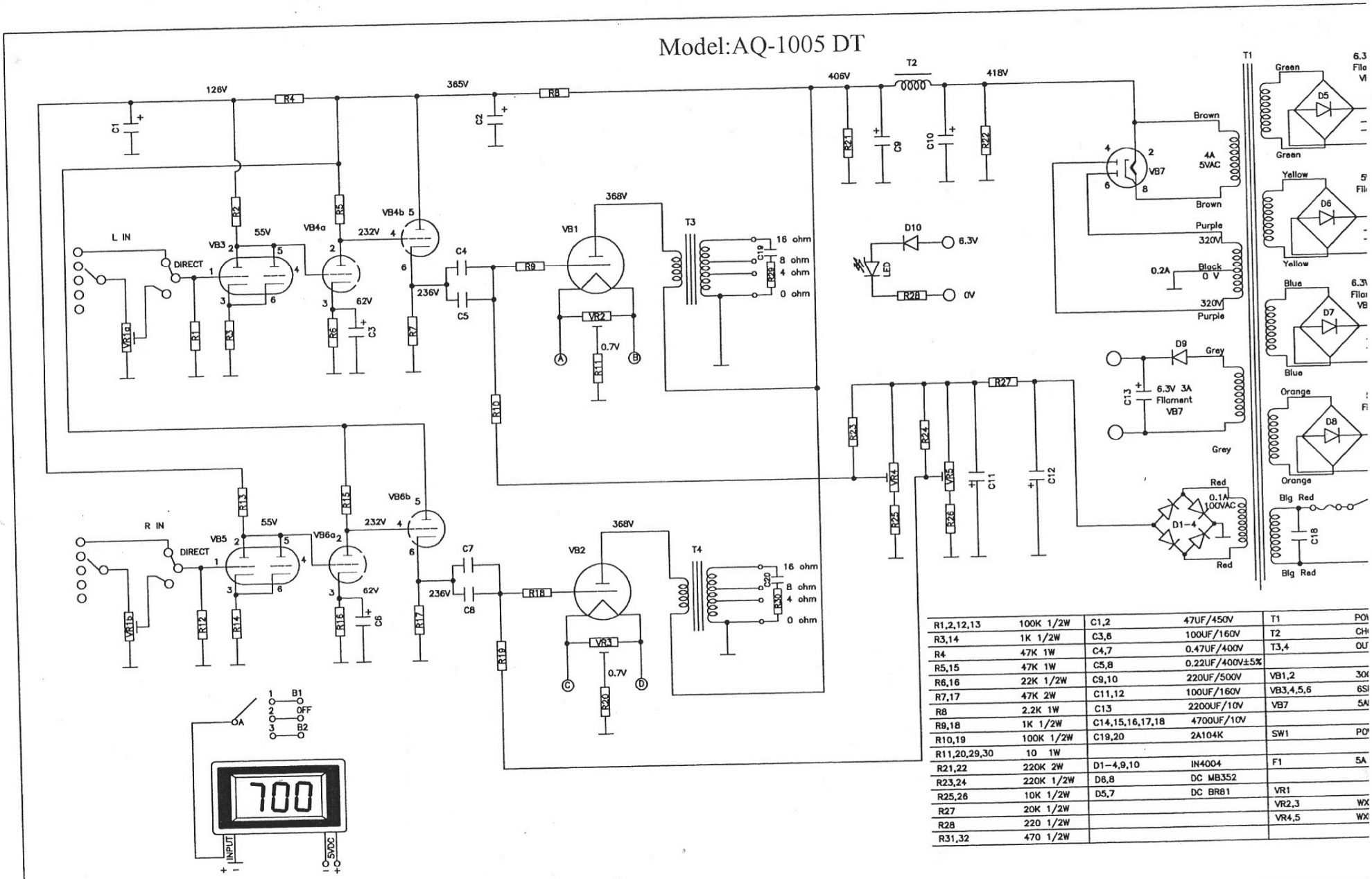
Please note: 6SN7 input and 5AR4 P/S tubes have key pin at the bottom. Please align them correctly before inserting tubes to sockets. 300 B output tubes also need to be oriented correctly to insert in to sockets. Two thicker tube pins should align with two wider socket holes.

- After installing all tubes, turn amplifier 'on' and wait for about 15 seconds for the tubes to warm up.
- Turn bias meter on by selecting VB1- on the switch in the middle of the chassis.
- Adjust VR-1 until meter reads 650 (700 maximum).
- Select VB-2 and adjust VR-2 until meter reads the same number.
- Amplifier is now ready to be used.
- Allow amplifier to warm up for about thirty minutes and adjust bias until meter shows 700 (maximum) for each output tube again.
- After about 50 hours of stabilization period bias levels should be checked again.
- 5% variations in tube bias readings are acceptable.
- Please allow amplifier some time to fully cool-off before removing tubes.

Better quality A/C power cords, power line filters, tube damping rings and vibration control devices will optimize the performance of your ASL AQ 1005 DT.

Good listening.

Model:AQ-1005 DT



R1,2,12,13	100K 1/2W	C1,2	47UF/450V	T1	PO
R3,14	1K 1/2W	C3,6	100UF/160V	T2	CH
R4	47K 1W	C4,7	0.47UF/400V	T3,4	OU
R5,15	47K 1W	C5,8	0.22UF/400V±5%		
R6,16	22K 1/2W	C9,10	220UF/500V	VB1,2	30
R7,17	47K 2W	C11,12	100UF/160V	VB3,4,5,6	6S
R8	2.2K 1W	C13	2200UF/10V	VB7	5A
R9,18	1K 1/2W	C14,15,16,17,18	4700UF/10V		
R10,19	100K 1/2W	C19,20	2A104K	SW1	PO
R11,20,29,30	10 1W				
R21,22	220K 2W	D1-4,9,10	IN4004	F1	5A
R23,24	220K 1/2W	D6,8	DC MB352		
R25,26	10K 1/2W	D5,7	DC BR81	VR1	
R27	20K 1/2W			VR2,3	WX
R28	220 1/2W			VR4,5	WX
R31,32	470 1/2W				

TROUBLE SHOOTING

No sound.

Power AC power cord unplugged or power not switched on. Check AC power cord.

Selector not in proper position. Rotate it to proper position.

Fuse blow. Consult dealer.

No sound one channel.

Input lead disconnected or damaged. Check leads and connections.

Weak bass/diffuse stereo image.

Speakers connected to the power amplifier wired out of phase. Check input.

connections to both speakers. Check the '+' and '-'

Loud buzz or hum.

RCA connector not properly inserted or faulty lead. Push all connectors firmly.

Home check leads.

SPECIFICATIONS	
MODEL	AQ-1005 DT
Output Power	8W
Output impedance	4,8,16 ohm
Input impedance at 1kHZ	100K
Damping factor	4
S/N ratio at full power	80dB(0.8mv)
S/N at 1Watt 8 Ohms	72dB
Nominal voltage gain	20dB
Input sensitivity for full power（volts）	800mV
Polarity invert	+
Bridgeable	N
THD at 1 Watt	0.3%
THD at full power	2%
Frequency Responsible at 1W	10Hz~35000Hz±1dB
Frequency Responsible at Full Power	15Hz~25000Hz±1dB
Global NFB in dB	2.5dB
Power Request	120W
Fuse	3A
Chassis Finishing	Silver
Dimensions in mm W × D × H	380×300×70
Shipping dimensions in mm	670×530×430
Net Weight	21.5Kg
Shipping Weight	25.5Kg