

Service Manual

MODEL: JCA20H



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1. Introduction

You have just purchased the tone that has been, until now, financially out of reach to most of us for years! Your JCA20H was designed by a world renowned tube amplifier guru Mike Soldano, in SEATTLE WASHINGTON, and meticulously assembled to assure that it meets the highest quality standards and value for your hard earned and hard spent money! Whatever your musical taste may be, you will enjoy the versatility, portability, and long term durability of this kick ass, tube driven, rock tone factory.

This is a ROCK amplifier and it wants to rock. If you don't have a guitar with a dual hum-bucker in the bridge position, borrow one from a friend and listen to the amp with the pick up selector set to the bridge position. It will sing to you if you try it and make you proud.

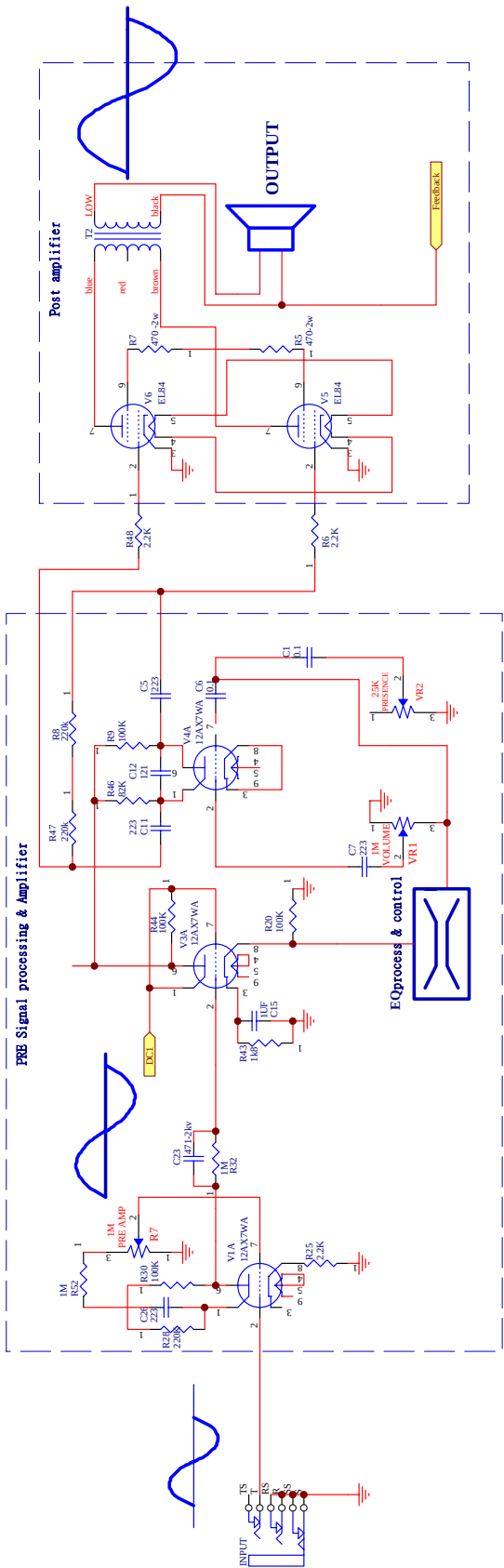
Thank you for purchasing a JET CITY AMPLIFICATION product.

Specification

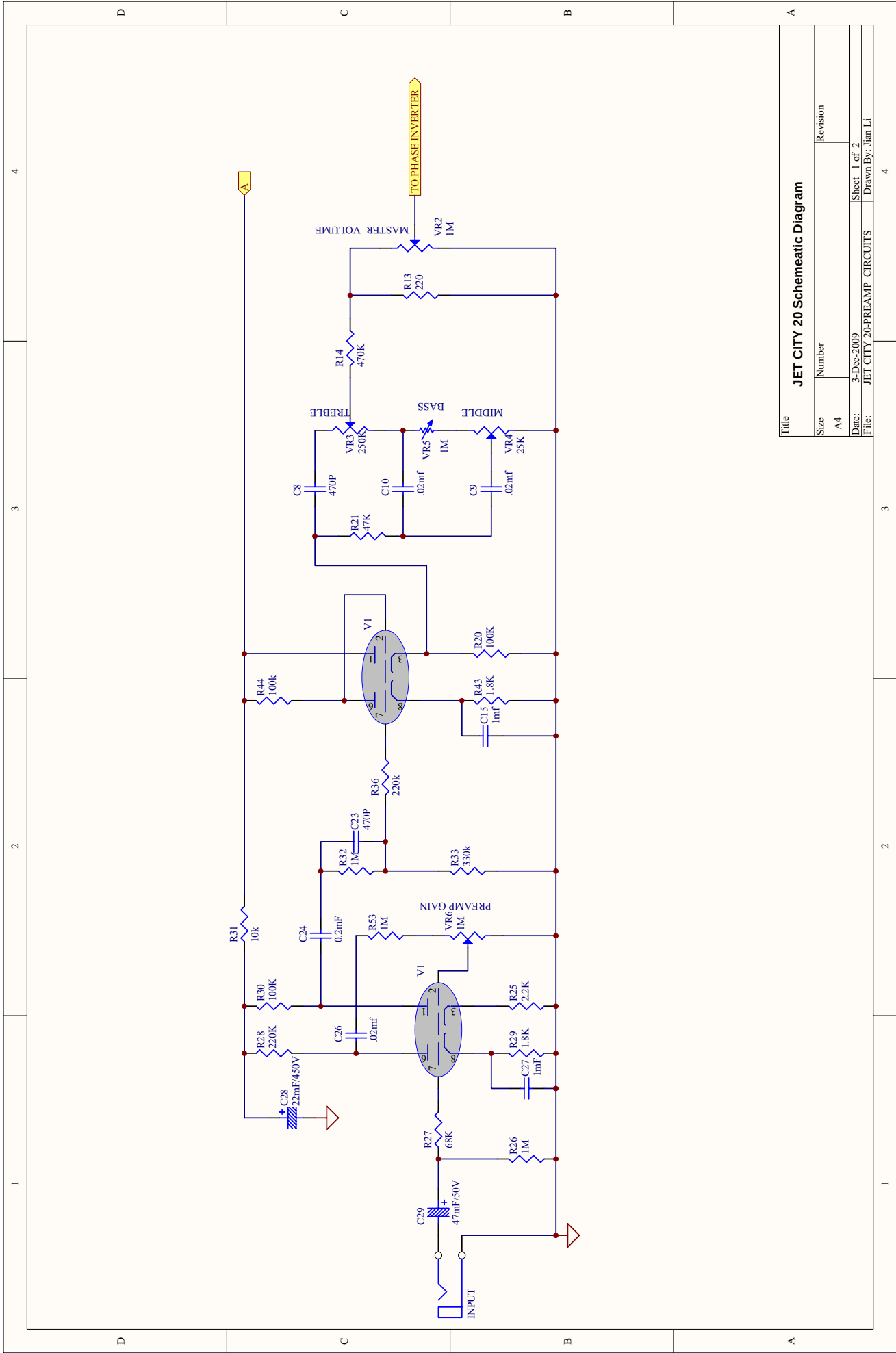
AC input	230V/50HZ
Channel	8 ohm, 16 ohm
Input sensitivity	-42.26±1dBV@1KHZ (sine wave signal test)
Power out	17 ±1W , LOAD 8/16HOM
Distortion @ 1W	3.6%
S/N Ratio	≥49 dB @17W/8/16Ω
Total Harmonic Distortion	≤13.6% @17W/8/16Ω
Frequency response	680Hz~14 KHz @ 1W LOAD 8/16Ω -3dB

2. Block Diagram

JCA20H BLOCK DIAGRAM

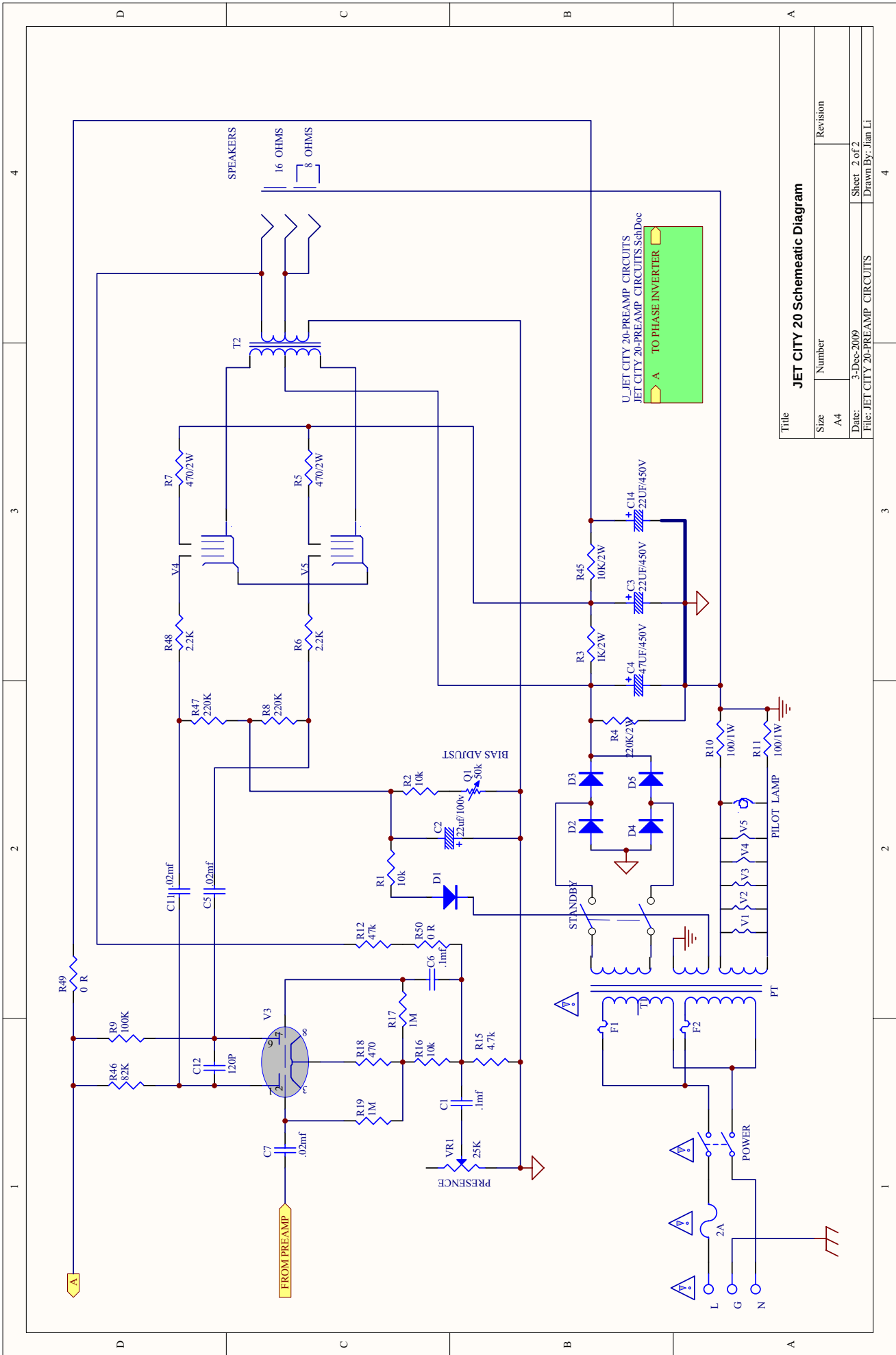


3. Schematic Diagram

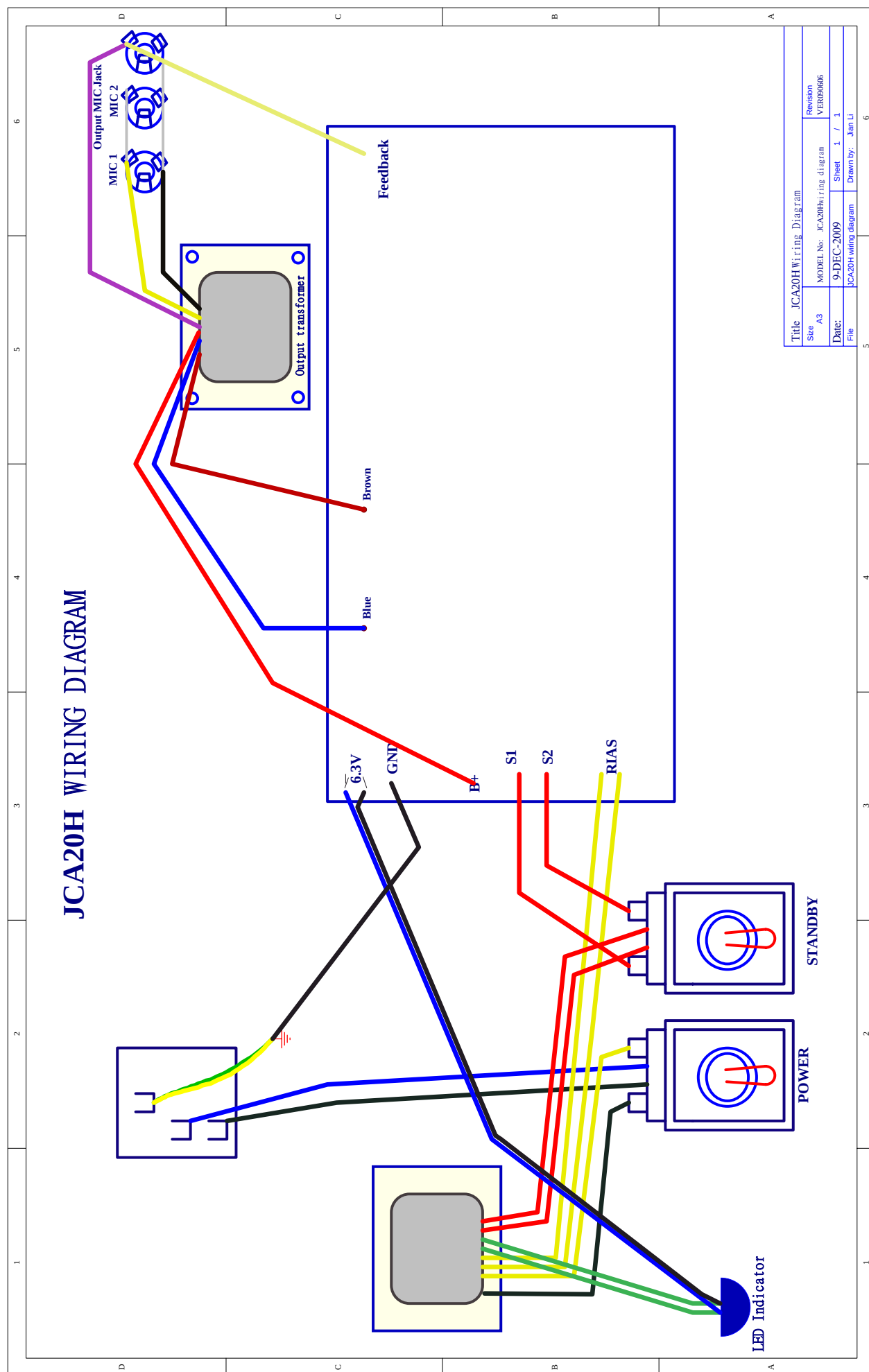


JET CITY 20 Schematic Diagram

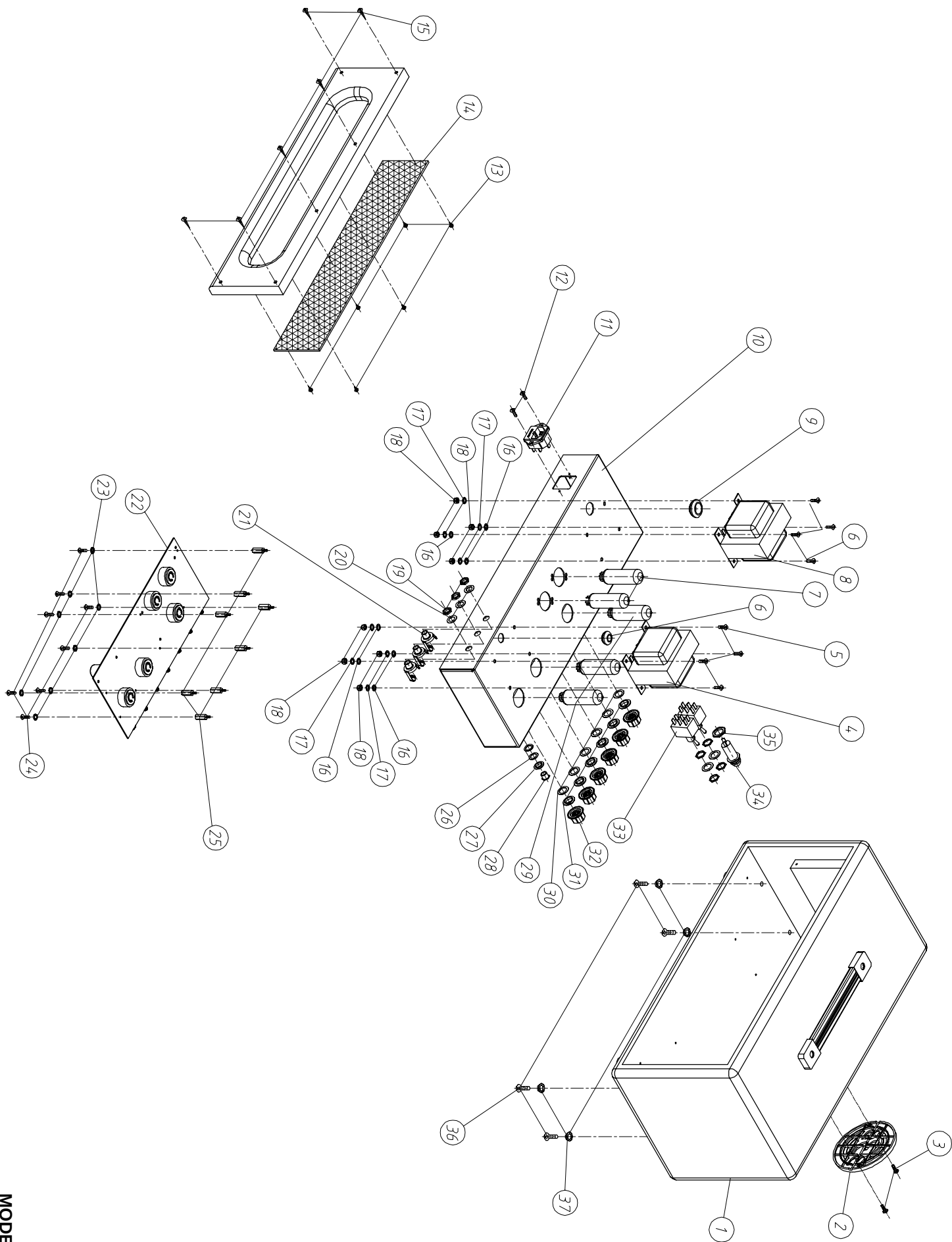
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4. Wiring Diagram



5. Exploded view & Mechanical parts list



MODEL No: JCA20H

Mechanical parts list

S/N	Part No.	Description	Specification	Qty
1	NC03051	Wooden cabinet-RS	JC-20 23#_V1.0	1
2	NI05676	Label-RS-CT-ABS	JC-20 6.35*φ104.43 _V1.0	1
3	MG00489	Black screw-RS	M3*20	2
4	TF00125	Output transformer-RS	OT-JC20	1
5	MG00830	Black screw-RS-CT	M5*15*0.8PH_V1.1	8
6	NI00171	Ruber tap-RS	φ9*φ20*10mm _V1.0	1
7	HD00090	Electron tube-RS	EL84 SOVTEK(GIBSOM)	2
8	TC00435	Constant vlotage transformer-RS	PT-JC20_100/120/240V_50/60Hz	1
9	NI04105	Rubber stoper-RS-60°RUB	GA-20 φ16*φ27*10	1
10	MA08045	ZC-Front panel-RS-5138	JCA20H JET CITY_V1.0	1
11	HC00008	ACsocket-RS	3515 A TYPE(RF-2004-C-4.8)	1
12	MG00042	Black screw-RS	M3*10	2
13	MG00063	Black screw-RS	M3*12	6
14	MD01431	ZB-grill-RS	JC-20_V1.0	1
15	MG00511	Screw-RS	M4*37_V1.1	6
16	MF00141	Washewr-RS	φ5.5*φ16*1t	7
17	MF00039	Spring washer-RS	φ5*φ8*1t	8
18	ME00251	Nylon nut-RS	M5*5*0.8PH	8
19	ME00214	T-nut-RS-ACT-HC00833	M10*2t	6
20	MF00123	T-washer-RS-ACT-HC00833	φ10*15*0.6t	6
21	HC00833	MIC Jack-RS-ACT	11 SWITCHCRAFT	3
22	HK11244	K-PCB-RS	P-JCA20H_SOLDANO	1
23	MF00014	Washer-RS-ACT	φ3*φ6.5*0.5t	8
24	MG00269	Nickel screw-RS	M3*6	8
25	MG00846	Copper column-RS	M3*10*0.5PH L=15mm_V1.0	8
26	NC00424	T-wooden washer-RS-ACT	1.6*φ11.3*φ15.4 T0661-WA11.1-R	2
27	NI03489	T-plastic washer-RS-ACT-HC00744	2.6*φ15.7*φ9.8 T-664-D01	1