RR763 BLACKVIBE

No Reverb No Tremolo Single Channel AB763 Blackface Vibroverb

Pilot Light

6.3V Center Tap (if needed)

100Ω 100Ω

Fil 1 Fil 2

To All 6.3V Fil

Power Transformer 125P5D

6.3V

50V Bias

6.3V Center Tap

355-0-355VAC

Classictone 40-18029

HV Center Tap

5v Heater

HV

Primary

Power Amp Ground

Bias & Balance

Bias Balance 25K Lin

Use star washer to ensure ground

50K Bias Trim Pot

Clockwise = Hotter Bias

<- Grounded to pot

Bias

<- Grounded to pot

Max Bias

10K 10K 10K

Bias -55V

Note Polarity 50uF 100v Bias Filter

Bias

470 2W

1N4007

Bias Rectifier

232V

Bass 250K Log

Mid/Raw 100K Log

Treble 250K Log

Volume 1M Log

120pF

Bright

Input Jacks

2 Low

1 High

Ground

Switch

Tip

Input

1M

Tip

Switch

68K 68K

Grid Stoppers

Preamp Chassis Ground

6.8K

Mid Minimum

Preamp Ground Bus

Power Tube Grid Leak

220K 220K

Balance/Bleeder 220K 1W

A Filter 70uF 350v

Note Polarity

220K 1W

A Filter 70uF 350v

B Filter 22uF 500v

C Filter 22uF 500v

.1uF 630v Coupling

.1uF 630v Coupling

C (B+3)

100K 1W

82K 1W

PI Plate Load

NFB 820Ω

.1uF 200v AC Shunt

47Ω NFB Tail

22K PI Tail

LTP PI

1M 470Ω 1M

V2B Grid Leak PI Cathode V2A Grid Leak

Vib Ch Load 270K

Coupling .001uF 630v

220K Mixing

.047uF 630v Coupling

25uF 25v Bypass

1.5K 1.5K

V1A Cathode V1B Cathode

25uF 25v Bypass

D Filter 22uF 500v

Tone Stack

.047uF 630v MidC

.1uF 630v Bass

250pF Treble

Tone Slope 100K

V1B Plate Load 100K 1W

410V

V1A Plate Load 100K 1W

D (B+4)

460V B (B+2)

2.2K 2W Voltage Drop

450V C (B+3)

4.7K 2W Voltage Drop

465V A (B+1)

Choke

Center Tap Choke

OT 125A7A Classictone 40-18006

Choke 125C1A 90ma 4H Classictone 40-18003

Backup Diodes

1N4007 1N4007

Plate Plate Cathode/Filament

B+ DC Out

Filament

V5 GZ34

Rectifier

Grid Screen 470 3W Plate Grid Stopper 1.5K Cathode Fil 1 Fil 2

V4 6L6GC

V3 6L6GC

Push-Pull Power Tubes

OT 4k:8 Ohm

V2 12AT7

LTP Phase Inverter

Cathode Grid Plate B A Plate Grid Cathode Fil 1 Fil 2

V1 12AX7

Preamp 1 & 2

Safety Ground Bolt

Green = Ground

Black = Hot

White = Neutral

Power Cord

2A Slow Blow Fuse

Power DPST

Standby SPST

Ground Switch Tip

15" 8 Ohm Speaker

Ground Tip

Aux Speaker

I recommend using an AB763 Pro chassis for this build
Fender cap specification was 400V unless specified
All resistors 1/2 watt 10% unless specified
See https://robrobinette.com/RR763_BLACKVIBE.htm
O on caps indicates outer foil

A RobRobinette.com design based on the Fender AB763 Vibroverb V3.8