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Fender Vibro Champ

Silverface · AA764 · 1973

Report #BB-2024-011

Date: 2 May 2026

1 · AMP IDENTITY

Brand	Fender	Circuit	AA764
Model	Vibro Champ	Serial no.	A39588
Era	Silverface	Year	1973 (chassis QC stamp: week 46)
Power	5 W (Class A, single-ended)	Speaker	8" Oxford 8EV (original)

The Vibro Champ silverface (1968–1982) shares its AA764 circuit identically with the blackface version — same resistor and capacitor values, same single-ended Class A 6V6 topology with preamp-bias tremolo. Serial A39588 places this unit in the late-1973 production run; the chassis QC stamp dates production to week 46 of 1973, which aligns with the transformer and speaker date codes (see below).

2 · COMPONENT AUTHENTICITY

Component	Status	Details
Output Transformer	ORIGINAL	Schumacher, Fender PN 125A1A — EIA 606-3-44 (week 44, 1973).
Power Transformer	ORIGINAL	Schumacher, Fender PN 125P1B — EIA 606-3-46 (week 46, 1973).
Speaker	ORIGINAL	Oxford 8EV — EIA 465-345 (week 45, 1973). Cone & voice coil intact, no rub.
Filter Capacitors	ORIGINAL	Mallory FP can (3×16 µF / 475 V). ESR measured: 2.3 / 1.9 / 1.6 Ω. Above new-spec; recapping recommended within ~2 years.
Wiring	ORIGINAL	Plastic-insulated, consistent with Fender silverface-era wiring; no signs of rework.

3 · TUBE TEST RESULTS

Pos.	Function	Type	Brand	Ia%	S%	Rating
V1	Preamp	12AX7	Sylvania	86%	89%	Good
V2	Tremolo OSC	12AX7	RCA (NOS)	93%	91%	NOS Quality
V3	Power tube	6V6GT	GE	78%	75%	Good
V4	Rectifier	5Y3GT	RCA	84%	82%	Good

Tubes tested on Backbay tube tester. Ratings based on average of Ia% and S% vs. reference values. Only V2 (RCA 12AX7, NOS replacement) reaches NOS-quality figures. V1, V3 and V4 test as healthy used tubes well within spec.

4 · ELECTRONIC CONDITION & MODIFICATIONS

Item	Observation
Overall function	Fully functional — all controls operate correctly.
Tremolo	Working smoothly; depth and speed pots responsive across full range.
Hum / noise	Light idle hum within normal range for a single-ended cathode-biased circuit.
Solder joints	No cold joints or cracked solder observed on visual inspection.
B+ rail	372 V DC measured at the reservoir cap. Ripple within spec on scope.
Power tube bias	Cathode-biased (470 Ω / 25 µF). Plate 365 V, current 24 mA → 8.8 W dissipation (~73% of 6V6 max). On-spec.
Modifications	None — circuit and cosmetics 100% stock.
Service history	No prior repair records available.

This report is based on visual inspection, multimeter and oscilloscope readings, ESR measurements and tube tester results performed by Backbay Tube Amps. It does not constitute a warranty. All vintage amplifiers are sold as-is unless otherwise stated. **Backbay Tube Amps — vintage & pre-owned tube amplifiers — backbay.nl**