

Superfine Ampworks

Invoice

BILL TO

Fender SF Deluxe Reverb
s/n A836434

INVOICE #	DATE	TOTAL DUE	TERMS	ENCLOSED
	01/25/2019	\$0.00	Due on receipt	

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
Capacitor	16uf/475v F&T filter capacitor	5		
22uf/50V Nichicon	22uf/50V axial cap, Nichicon	1		
33uf/100V	33uf/100V Nichicon, etc	1		
.001uf/630V 150M	.001uf/630V Dijon	1		
Capacitor	.0033/630V 150M	1		
.022uf/630V 150M	.022uf/630V Dijon	1		
.1uf/630V 150M	.1uf/630V Mallory 150M / Dijon	2		
misc. ceramic cap	small value ceramic capacitor	2		
UF1007	UF4007 Ultrafast Recovery Diode. 1A 1kV	1		
1W CF Asstd Values	1 Watt Carbon Film Resistor, Assorted Values	3		
1/2 W CC, NOS	1/2W Carbon Comp Resistor, NOS, assorted values	12		
Potentiometer	CTS 250K std audio taper potentiometer	1		
Potentiometer	Alpha 25KB potentiometer	1		
Black w/white line	Knob. Black w/white line. 60s Fender style	1		
#47 Lamp	#47 Lamp	1		
12ft SJT AC Cord	12ft SJT AC Cord	1		
SC #12A	1/4" jack, shorting, Switchcraft #L12A	1		
6V6S JJ	6V6S JJ Matched Pair	1		
Tube	5R4GYB rectifier tube. ANOS / tested	1		
12AX7 EH	12 AX7 Electro Harmonix Single Pre-Amp Tube	1		
Tube	5751 preamp tube. JAN GE NOS	1		
Tube Clip DLX	Power Tube Clip Deluxe	2		
Misc. Hardware	Misc. Hardware, Wire, etc.	1		
Speaker Break-In (raw driver)	Break-In of new or re-coned speaker in Superfine's specially built 'Speaker-Breaker-In-er' fixture. Speaker is run with a steady-state, low-frequency signal at	0		

QTY	DESCRIPTION	QTY	RATE	AMOUNT
Speaker	<p>approximately 1/3 of it's rated power for a period of 6-8 hours (longer break-in available by request for a small up-charge). Our break-in loosens up stiff speaker cone and suspension that tend to cause new speakers to sound overly tight and sterile. In our experience, 8 hours on our fixture gives results similar to 'playing-in' a new speaker for about 20-30 hours, and bypasses the most frustrating period of living with a new or re-coned speaker.</p> <p>WGS ET65 speaker. 12", 8 ohm. n/c, owner supplied.</p>	1		
Service Labor Taxable	<p>Service Labor. General Onceover. Cleaned all jacks and controls. Cleaned and re-tensioned all tube socket contacts. Installed new tube clamps at power tubes (to replace rattly spring retainers). Installed new grounded AC cord and defeated ground switch / "death cap". Installed new matched pair of 6V6 tubes (one of the old ones was bad). Replaced bias diode and capacitor. Set bias. "Baked" and cleaned all fiber eyelet boards to reduce issues related to conductive boards (measurable voltages at places on boards, noise etc).</p>	2		
Service Labor Taxable	<p>Service Labor, Mods and Upgrades. Superfine "GrayFace" mods to incorporate best of both blackface and silverface era circuits... "pull boost" circuit removed (pull switch at volume control now does nothing). Replaced Vib Ch Bass control pot with std audio taper (like blackface era, makes Bass control range more usable). Reverb drive circuit modded to Blackface era values for better "splash". Reduced gain at reverb recovery circuit to give wider sweet spot in reverb control range. Mods to phase inverter and output power stages to make amp less harsh and stiff. Improves transition from clean to overdrive and back to clean. Replaced several "Orange Drop" type coupling / tone capacitors (installed in some previous service / mod) to warm up sound. Replaced incorrect value filter caps (also from previous mod/service work) with new correct value 16uf filter caps which "opens up" the sound noticeably. Mods to wire lead-dress and grounding to more "blackface" configuration. Replaced a couple of weak/noisy/harsh 12AX7M Groove Tubes preamp tubes. Installed New Old Stock 5751 preamp tube in V3 (this tube has approx 30% less gain than std 12AX7... I did this to help soften the somewhat hard sound of this amp. more....</p>	1		
Cabinet Repair/Cleanup	<p>Cabinet Cleanup/Repairs. Re-glued speaker baffle which had broken loose from cabinet. repaired small crack in baffle and repaired several loose speaker mounting studs. Removed and re-stapled grill cloth to grill frame. The grill frame had previously been replaced with repro part that was a bit too large and grill cloth was installed improperly which was causing issues removing/installing amp chassis. Repaired cabinet top shield and repaired and secured bent faceplate (both damaged because of too small of gap to install chassis due to grill frame/cloth issue). Installed new speaker.</p>	1		