5F6-A TWEED BASSMAN VALUE PACK: PARTS LIST

SKU **AP-5f6ap** · Evatco Electronic Valve & Tube Company · www.evatco.com.au

Fender 5F6-A Tweed Bassman: two channels, Treble, Bass, Middle and Presence, long-tail phase inverter, 5881 power valves and a GZ34 rectifier. Every item and quantity in the pack, with colour codes for every resistor. Where an item is a pack (fuses, screws, solder lugs, stand-offs), the quantity is the number of packs. Tick each part off as you check it. This pack is based on Rob Robinette's 5F6-A layout. Check every part against the schematic and layout you build from.

PARTS

✓	Item	Qty
TRANSFORMERS & CHOKE		
☐	Hammond 290D2EX Fender Tweed Bassman 5F6 / 5F6-A Power Transformer (240V primary)	1
☐	Hammond 1750K Fender Tweed Bassman 50 Watt Output Transformer (2 Ω secondary)	1
☐	Hammond 194B Choke	1
VALVES / TUBES		
☐	JJ Electronic 12AY7 / 6072A Preamp Valve (V1)	1
☐	JJ Electronic 12AX7 / ECC83S / 7025 Preamp Valve (V2 and V3 phase inverter)	2
☐	Tung-Sol 5881 Power Valves, Matched Pair (V4, V5)	1 pair
☐	JJ Electronic GZ34 / 5AR4 Rectifier Valve (V6)	1
CHASSIS, BOARDS & VALVE SOCKETS		
☐	Bassman 5F6A Narrow Chassis	1
☐	5F6A Turret Board with Custom Filter Board	1
☐	Turret Stand-Off Pack, 10mm	1
☐	Octal Ceramic Valve Socket for Fender Amps (power valves and rectifier)	3
☐	B9A 9-Pin Ceramic Valve Socket, suits 18mm hole	3
☐	Clip-Type Octal Valve Retainer	3
SWITCHES, JACKS & POWER ENTRY		
☐	Carling F-Style Amp Toggle Switch (Power & Standby)	2
☐	Switchcraft Mono 2-Conductor Type 12A Jack (4 inputs)	4
☐	Switchcraft 1/4" Mono Jack Type 11 (speaker outputs)	4
☐	240V Mains Cord	1
☐	Cable Gland	1
☐	3AG Fuse Holder, suits 15mm hole	1
☐	2A Slow-Blow 3AG Fuse, for 240V mains (5 pack)	1
☐	Fender Amp Style Lamp Holder	1
☐	Amber Jewel Bezel (pilot light)	1
☐	Bayonet Amp Bulb	1
DIODES		
☐	1N4007 Diode (bias rectifier)	1

✓	Item	Qty
POTENTIOMETERS		
☐	Alpha 1MΩ Audio (Log) Metal Shaft Pot (Normal Volume, Bright Volume, Bass)	3
☐	Alpha 250kΩ Linear Metal Shaft Pot (Treble)	1
☐	Alpha 25kΩ Linear Metal Shaft Pot (Middle, Presence)	2
FILTER & ELECTROLYTIC CAPACITORS		
☐	Evatco 22µF 500V Axial (filter board B+1 to B+3)	4
☐	Evatco 8µF 450V Axial (B+4 preamp filter)	1
☐	Sprague 8µF 150V (bias filters)	2
☐	Sprague 250µF 25V (V1 cathode bypass)	1
SIGNAL & TONE CAPACITORS		
☐	0.1µF (100nF) Metal Film (power valve coupling, PI AC ground, bass, presence)	5
☐	0.022µF Metal Film (preamp coupling, middle)	4
☐	0.047µF (47nF) Metal Film (standby anti-pop)	1
☐	250pF 500V Silver Mica (treble)	1
☐	100pF 500V Silver Mica (bright cap)	1
☐	47pF 500V Silver Mica (PI stability)	1
WIRE		
☐	Vintage Cloth Pushback Wire, Red (B+ and plate leads)	1m
☐	Vintage Cloth Pushback Wire, Black (ground and cathode leads)	1m
☐	Vintage Cloth Pushback Wire, Yellow (signal, pot and jack leads)	2m
☐	Heater Wire for Guitar Amps	1
☐	18AWG Buss Wire	1
☐	Heat Shrink Pack, 4.2m	1
SCREWS, GROMMETS & SOLDER LUGS		
☐	M3 Screw Pack, 10mm	2
☐	M4 Screw Pack	2
☐	3mm Locking Earth Solder Lugs (10 pack)	1
☐	4mm Locking Earth Solder Lugs (10 pack)	1
☐	Rubber Wiring Grommets, fits 10mm hole	1

RESISTORS AND COLOUR CODES

How to read the bands: hold the resistor with the **gold band on the right** and read from the left. Bands 1 and 2 are the first two digits, band 3 is the multiplier, and the gold band 4 means ±5% tolerance.

Example: Brown (1) Black (0) Green (×100k) Gold = 10 × 100,000 = 1,000,000Ω = **1MΩ**. Always confirm with a multimeter before fitting.

✓	Qty	Value	Type	Band 1	Band 2	Band 3	Band 4
RESISTORS: 1 WATT METAL OXIDE							
☐	1	**470Ω**	1W Metal Oxide	Yellow	Violet	Brown	Gold
☐	2	**820Ω**	1W Metal Oxide	Grey	Red	Brown	Gold
☐	1	**4.7kΩ (4k7)**	1W Metal Oxide	Yellow	Violet	Red	Gold
☐	1	**15kΩ**	1W Metal Oxide	Brown	Green	Orange	Gold
☐	1	**27kΩ**	1W Metal Oxide	Red	Violet	Orange	Gold
☐	1	**56kΩ**	1W Metal Oxide	Green	Blue	Orange	Gold
☐	1	**82kΩ**	1W Metal Oxide	Grey	Red	Orange	Gold
☐	6	**100kΩ**	1W Metal Oxide	Brown	Black	Yellow	Gold
☐	2	**220kΩ**	1W Metal Oxide	Red	Red	Yellow	Gold
☐	2	**270kΩ**	1W Metal Oxide	Red	Violet	Yellow	Gold
☐	2	**1MΩ** Phase inverter grids	1W Metal Oxide	Brown	Black	Green	Gold
RESISTORS: 1 WATT CARBON FILM (INPUT JACKS, FOR LOW NOISE)							
☐	4	**68kΩ** Input resistors	1W Carbon Film	Blue	Grey	Orange	Gold
☐	2	**1MΩ** Input grid-leak	1W Carbon Film	Brown	Black	Green	Gold
RESISTORS: POWER							
☐	1	**6.8kΩ (6k8)** PI tail	2W Metal Oxide	Blue	Grey	Red	Gold
☐	1	**10kΩ** B+4 dropping	3W Metal Oxide	Brown	Black	Orange	Gold
☐	1	**4.7kΩ (4k7)** B+2 to B+3 dropping	5W Cement	*No bands: value printed on the body*			
☐	2	**470Ω** Power valve screens	5W Cement	*No bands: value printed on the body*			

COLOUR CHART colour · digit · multiplier

Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White
0 · ×1	1 · ×10	2 · ×100	3 · ×1k	4 · ×10k	5 · ×100k	6 · ×1M	7 · ×10M	8 · –	9 · –

Look-alikes to watch: 470Ω, 4.7kΩ and 1MΩ each come in two types, so sort by size and body as well as colour. 82kΩ (Grey Red Orange) and 820Ω (Grey Red Brown) differ only in band 3, as do 27kΩ (Red Violet Orange) and 270kΩ (Red Violet Yellow). 220kΩ (Red Red Yellow) and 270kΩ (Red Violet Yellow) differ in band 2.

About the layout: Rob Robinette's layout adds a standby switch with a small anti-pop capacitor to the original 1950s circuit, and this pack includes both. The original schematic shows a 5kΩ Presence pot, but most production amps used 25kΩ, which is what we supply. The bias is fixed, as on the original; if you want to add a bias adjustment pot, Rob's guide shows how.

Speaker load and not included: the 1750K has a 2Ω secondary, like the original, which suits four 8Ω 10″ speakers wired in parallel. Always match your speaker load to the output transformer. Not included: wooden cabinet, speakers, control knobs and cabinet hardware (handle, chassis straps, feet, tweed covering and grill cloth). We recommend four Jensen P10R 8Ω for vintage tone, or four Jensen P10Q 8Ω for more headroom.

DANGER: HIGH VOLTAGE. Valve amplifiers operate at lethal voltages (often exceeding 350V–500V DC) that can remain stored in components after the amp is switched off and unplugged. This is a component pack, not a kit: no instructions or build support are included. For experienced builders and qualified technicians only.