5E3 TWEED DELUXE PREMIUM PACK: PARTS LIST

SKU **AP-5e3pp** · Evatco Electronic Valve & Tube Company · www.evatco.com.au

Fender 5E3 Tweed Deluxe. The premium pack has Sprague and Orange Drop capacitors plus CTS potentiometers. 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 5E3 layout. Check every part against the schematic and layout you build from.

PARTS

✓	Item	Qty
TRANSFORMERS		
☐	Hammond 290BBEX Fender Tweed Deluxe Power Transformer	1
☐	Hammond 1760E 15 Watt 5E3 Tweed Deluxe Output Transformer (4, 8 & 16 Ω)	1
VALVES / TUBES		
☐	JJ Electronic 12AY7 / 6072A Preamp Valve (V1)	1
☐	JJ Electronic 12AX7 / ECC83S / 7025 Preamp Valve (V2)	1
☐	JJ 6V6S Power Valves, Matched Pair	1 pair
☐	JJ Electronic 5Y3S Rectifier Valve	1
CHASSIS, BOARD & VALVE SOCKETS		
☐	5E3 Chassis	1
☐	5E3 Turret Board	1
☐	Turret Stand-Off Pack, 10mm	1
☐	Octal Ceramic Valve Socket for Fender Amps	3
☐	B9A 9-Pin Ceramic Valve Socket, suits 18mm hole	2
☐	Clip-Type Octal Valve Retainer	3
SWITCHES, JACKS & POWER ENTRY		
☐	Carling SPST Amp Toggle Switch (Power & Standby)	2
☐	Switchcraft Mono 2-Conductor Type 12A Jack (4 inputs and main speaker output)	5
☐	Switchcraft 1/4" Mono Jack Type 11 (extension speaker output)	1
☐	240V Mains Cord	1
☐	Cable Gland	1
☐	3AG Fuse Holder, suits 15mm hole	1
☐	1A 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

✓	Item	Qty
POTENTIOMETERS		
☐	CTS 1MΩ Audio (Log) Metal Shaft Potentiometer (Normal Volume, Bright Volume, Tone)	3
FILTER & ELECTROLYTIC CAPACITORS		
☐	Sprague 16µF 475V Axial Capacitor (filters B+1, B+2, B+3)	3
☐	Sprague 25µF 50V Axial Capacitor (cathode bypass)	3
SIGNAL & TONE CAPACITORS		
☐	Orange Drop 0.1µF (100nF) Polypropylene Capacitor	4
☐	Orange Drop 0.022µF (22nF) Polypropylene Capacitor	1
☐	Orange Drop 0.0047µF (4.7nF) Polypropylene Capacitor (tone cap)	1
☐	500pF 500V Silver Mica Capacitor (bright cap)	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)	1m
☐	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 CARBON FILM							
☐	1	**820Ω**	1W Carbon Film	Grey	Red	Brown	Gold
☐	4	**1.5kΩ (1k5)**	1W Carbon Film	Brown	Green	Red	Gold
☐	2	**56kΩ**	1W Carbon Film	Green	Blue	Orange	Gold
☐	4	**68kΩ**	1W Carbon Film	Blue	Grey	Orange	Gold
☐	3	**100kΩ**	1W Carbon Film	Brown	Black	Yellow	Gold
☐	2	**220kΩ**	1W Carbon Film	Red	Red	Yellow	Gold
☐	3	**1MΩ**	1W Carbon Film	Brown	Black	Green	Gold
RESISTORS: POWER							
☐	1	**4.7kΩ (4k7)**	2W Metal Oxide	Yellow	Violet	Red	Gold
☐	1	**22kΩ**	2W Metal Oxide	Red	Red	Orange	Gold
☐	1	**250Ω**	5W Cement	*No colour 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 · –

About the layout: Rob Robinette's layout adds two small improvements to the original 1950s circuit: a standby switch, and a 1.5kΩ grid stopper on each 6V6. Both are included in this pack. The original Fender bright cap was 500pF, which is the value we supply (the layout shows 470pF; either works).

Look-alikes to watch: 220kΩ (Red Red Yellow) and 22kΩ (Red Red Orange) differ only in band 3, but the 22kΩ is a larger 2W resistor. 820Ω (Grey Red Brown) and 68kΩ (Blue Grey Orange) both carry grey, so read all three bands.

Not included: wooden cabinet, speaker, control knobs and cabinet hardware (handle, chassis straps, feet, tweed covering and grill cloth). For the original sound, pair the amp with a Jensen P12R 8Ω alnico speaker.

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.