

Parts List (Stage 1 Upgrade - using Bipolaer Electrolytic capacitors for Bass filter)

Reference	Value	Description	Source
C1	72uF	Alcap Elec non-polar, 100V, +/-10%	Falcon Acousics UK
C2	72uF	Alcap Elec non-polar, 100V, +/-10%	"
C3	27uF	Jantzen Cross Cap, 400V, +/-5%	Audio Components UK
C4	6.2uF	Jantzen Cross Cap, 400V, +/-5%	"
C5	3.9uF	Jantzen Cross Cap, 400V, +/-5%	"
C6	6.2uF	Jantzen Cross Cap, 400V, +/-5%	"
R1	1.8R	Mills MRA5, 500V, +/-1%	HiFi Collective UK
R2	2.7R	Welwyn WP4S, 100V, +/-5%	CPC (Farnell) UK
L1	0.14mH	Celestion original	
L2	0.66mH	Celestion original	
L3	2.0mH	Celestion original	
L4	3.3mH	Celestion original	
L5	2.0mH	Celestion original	

Note: C3 was 24uF on later PCB versions of 44 with a "possible" different variant of D5

Parts List (Stage 2 Upgrade - Polypropylene Bass Filter Capacitors)

As per Alcap Electrolytics version but with C1 & C2 substituted with 2x36uF in parallel for each.

Add an "ESR" simulating resistor in series: (i) R3 = 1.0R with C1; (ii) R4 = 1.5R with C2 .

C1,C1',C2,C2'	36uF	Aeon, 250V, +/-5%	Parts Connection, Canada
R3	1.0R	Welwyn WP4S, 100V, +/-5%	CPC (Farnell) UK
R4	1.5R	Welwyn WP4S, 100V, +/-5%	CPC (Farnell) UK

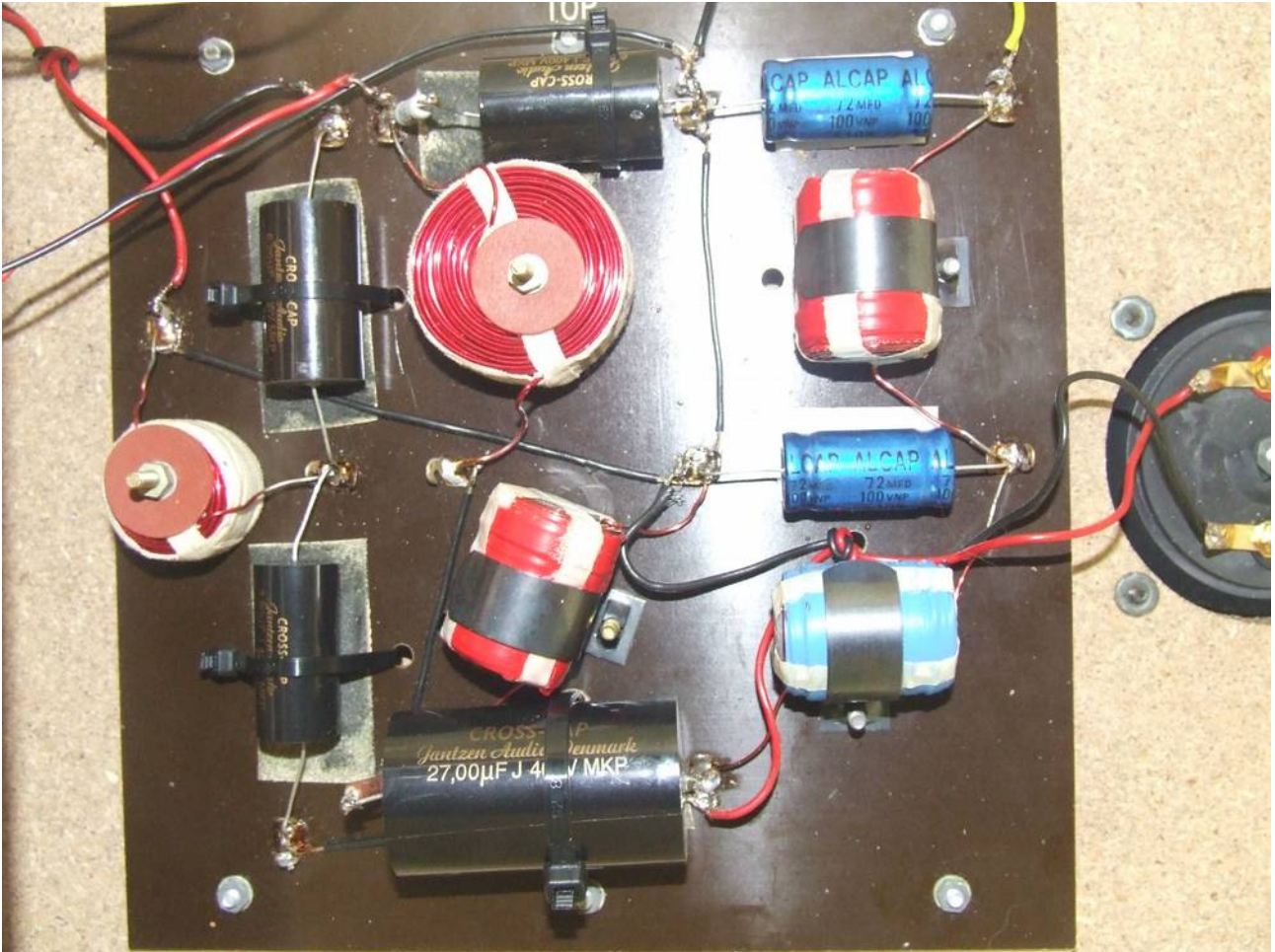
Note: Alternatives are:

- use 36uF/36uF Solen 250V in parallel; same series R's
- use 33uF/39uF Solen 250V/Jantzen Cross Cap 400V in parallel; same series R's
- use (68uF+1R) || (8.2uF+8.2R) for C1 & C2; use 68uF + 1.5R for C3 & omitt C4; Solen PA 250V
- use 75uF for C1 + 1R; use 68uF + 1.5R for C3 & omitt C2 & C4; FreQuence PCA, 100V

Note: R2 of 1.8R has been used on some upgrades, reason unknown

Note: All resistors can be Mills MRA5 but these are more expensive than Welwyn for UK based buyers

Ditton 44 – Stage 1 Upgraded Crossover



Ditton 44 – Stage 2 Upgrade Axon Caps (not installed but showing size)

