

Glasshouse 300BSEi parts list: TABLE 1

x	component	value	quantity	bag No.	location
	resistors				
	R1	47R 11W	1	1	pin 1 of choke L1 and V7, pin 8
	R2/3/4/5	220K 2W	4	1	PSU tag board 1
	R6	10K 3W	1	2	PSU tag board 1
	R7	120K 2W	1	3	positive and negative terminal of C5
	R8/11	22R 3W	2	1	PSU tag board 2
	R9/10/12/13	330R 3W	4	2	PSU tag board 2
	R14	33K 0.5W	1	4	PSU tag board 2
	R15	150K 0.5W	1	5	PSU tag board 2
	R16	not used			
	R17/18	1M 0.5W	2	2	V1/V2 base
	R19/20/31/32/33/34	1K 0.5W	6	3	V1/V2/V3/V4 base
	R21/22/23/24	100K 2W	4	4	RC signal tag board/LC signal tag board
	R25/26	2.2K 0.5W	2	3	RC signal tag board/LC signal tag board
	R27/28 see circuit diagram	1.5M, 1W made up of 1M, 1W & 470K, 1W in series	2	4	RC signal tag board/LC signal tag board
	R29/30	680K 0.5W	2	5	RC signal tag board/LC signal tag board
	R35/36/37/38	33K 3W	4	5	RC signal tag board/LC signal tag board
	R39/40/41/42/45	10R 3W	5	6	V5/V6 & earth post
	R43/44	680R 11W	2	6	RC signal tag board/LC signal tag board
	VR1	100K potentiometer	1	6	front panel
	capacitors				
	C1/2/3/4	100uF 450V axial	4	1	PSU tag board 1
	C5	82uF 500V radial	1	2	mounted on cap clip near choke L1
	C6/7/8/9/10/11	100uF 250V axial	6	3	PSU tag board 2
	C12	10uF 63V radial	1	3	PSU tag board 2
	C13/15/17/19	4700uF 25V axial	4	2	PSU tag board 3 & 4
	C14/16/18/20	100uF 16V radial	4	4	PSU tag board 3 & 4
	C21/22	220uF 16V radial	2	2	RC signal tag board/LC signal tag board
	C23/24	0.47uF 400V	2	4	RC signal tag board/LC signal tag board
	C25/26	0.015uF 400V	2	5	RC signal tag board/LC signal tag board
	C27/28	100uF 100V radial	2	6	RC signal tag board/LC signal tag board
	diodes & voltage regulators				
	D1/2/3/4	BYV96E	4	3	PSU tag board 2
	D5/6/7/8	IN4001	4	4	PSU tag board 3 & 4
	D9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24	BYW80-200	16	6	PSU tag board 3 & 4
	U1/2/3/4	LM323K	4	5	fitted to chassis, lower mid section
	U1/2/3/4 mounting kit	to fit TO3 package	4	5	as above
	valves (if supplied)				
	V1/2	Russian EF86	2		V1/V2 bases
	V3/4	National 5687	2		V3/V4 bases
	V5/6	300B: JJ or TJ Mesh	2		V5/V6 bases
	V7	Russian 5U4	1		V7 bases

Glasshouse 300BSEi parts list: TABLE 2

x	component	description	quantity	bag No.	location
	transformers				
	mains transformer	upright, frame	1		centre, rear, external
	output transformer	upright, frame	2		right & left side, rear, external
	choke L1	10H, 250mA	1		centre, middle, internal
	chassis				
	chassis base	aluminium black	1		underside of chassis
	main chassis	aluminium black	1		N/A
	copper plate	1mm copper, grained and lacquered	1		top surface of chassis
	front panel	6mm silver anodised aluminium alloy	1		front of chassis
	control knobs (grub screw fitted)	silver anodised aluminium alloy	2		on volume pot and selector rod, upon front plate
	transformer cover	mild steel black	1		top, rear of chassis, covering exposed transformers - MUST BE FITTED
	valve cover (if supplied)	mild steel black	1		top, front of chassis, covering exposed valves - IF NOT FITTED, BE AWARE VALVES GET VERY HOT
	connectors & switches				
	red RCA sockets	insulated/silver plated	7	7	chassis rear panel
	black RCA sockets	insulated/silver plated	7	7	chassis rear panel
	red large speaker posts	insulated/silver plated	2	7	chassis rear panel
	black large speaker posts	insulated/silver plated	2	7	chassis rear panel
	2 pole 6 way selector	silver plated contact	1	7	selector PCB (printed circuit board)
	selector PCB		1		internally fitted, near RC output transformer
	PCB terminal pins		25	7	selector PCB
	selector extension rod	stainless steel, dia. 6mm, length 318mm	1		connected to shaft of selector switch, through front panel
	couplier		1	7	physically join selector shaft to extension rod
	mains switch	DPST rocker switch	1	7	left side panel
	IEC mains socket & boot	IEC lead input	1	7	rear panel
	1A anti-surge fuse		1	7	in fuse tray of IEC mains socket
	earth post		1	7	rear panel
	valve bases and hardware				
	B9A	chassis mount	4	8	V1/V2/V3/V4 position on chassis
	UX4	chassis mount	2	8	V5/V6 position on chassis
	octal	chassis mount	1	8	V7 position on chassis
	tag board	2 rows of 18 tags	6		see pic *****
	M3 x 15mm stand offs	silver	4	8	fitting of UX4 valve bases to chassis
	M3 x 20mm stand offs	silver	14	8	fitting of tag boards and selector PCB
	M3 x 25mm stand offs	silver	2	8	fitting of PSU tag 1
	M3 x 10 countersunk screws	silver	12	8	V7 base(2), selector PCB standoffs(4), PSU tag 3&4 standoffs(4)

Glasshouse 300BSEi parts list: TABLE 3

x	component	description	quantity	bag No.	location
	hardware				
	M3 x 12 pozi-drive screws	black	70	8	V1/V2/V3/V4/V5/V6/V7 bases(18), valve cover(8), transformer cover(8), chassis base(8), signal tags(8), PSU tag 1&2(8), PSU tag 3&4 internal(4), cap clip(1), selector PCB(4), spares(3)
	M3 x 16 pozi-drive screw	silver	12	8	U1/U2/U3/U4 mounting(8), IEC mains socket(2), spares(2)
	M4 x 10 pozi-drive screws	black	20	8	cap clip(1), L1 choke(4), output transformers(8), mains transformers(4), spares(3)
	M4 x 6 pozi-drive	black	4		fitting of front panel
	M3 nut	silver	32	8	V1/V2/V3/V4/V7 bases(10), valve cover fixing holes if cover not used(8), U1/U2/U3/U4(8), capacitor clip(1), IEC mains socket(2), spares(3)
	M4 nut	silver	25	8	cap clip(1), L1 choke(4), output transformers(8), mains transformers(4), front panel(4), spares(4)
	M4 solder tags	silver	2	8	earth post, star earth wire and earth tag of IEC mains socket connections
	M3 solder tags	silver	4	8	common connection of U1/U2/U3/U4
	IEC lead	2m black, fused lead			UK, Euro, or US plug supplied depending on location
	capacitor clip		1	8	between V7 and V6
	feet	self adhesive	4	8	on chassis base
	open grommet	large	4	8	transformer leadouts passing through the chassis
	open grommet	small	2	8	U1/2/3/4 leadouts passing through the chassis
	wire				
	1/0.6 (single core, 0.6mm diameter)	silver plated copper wire, orange PTFE sleeved	12m	9	all signal and low current applications (see instructions)
	1/1 (single core, 1mm diameter)	copper, red PVC sleeved	4m	9	all higher current applications (see instructions)
	24/0.2 (24 strands, 0.2mm diameter)	copper, blue PVC sleeved	0.5m	9	mains neutral wiring from IEC mains socket to rocker switch
	24/0.2 (24 strands, 0.2mm diameter)	copper, brown PVC sleeved	0.5m	9	mains live wiring from IEC mains socket to rocker switch
	24/0.2 (24 strands, 0.2mm diameter)	copper, green/yellow PVC sleeved	2.5m	9	IEC mains socket earth tag to earth post, earth post to star earth & all earth returns
	single screened wire	7/0.2, grey PVC sleeved	1.7m	9	selector PCB to signal input (V1, V2)
	heat shrink	red heat shrink	0.16m	9	isolation of wire connection to pins of U1/2/3/4
	cable ties	white plastic 80mm	20	9	use for tidying up wiring.