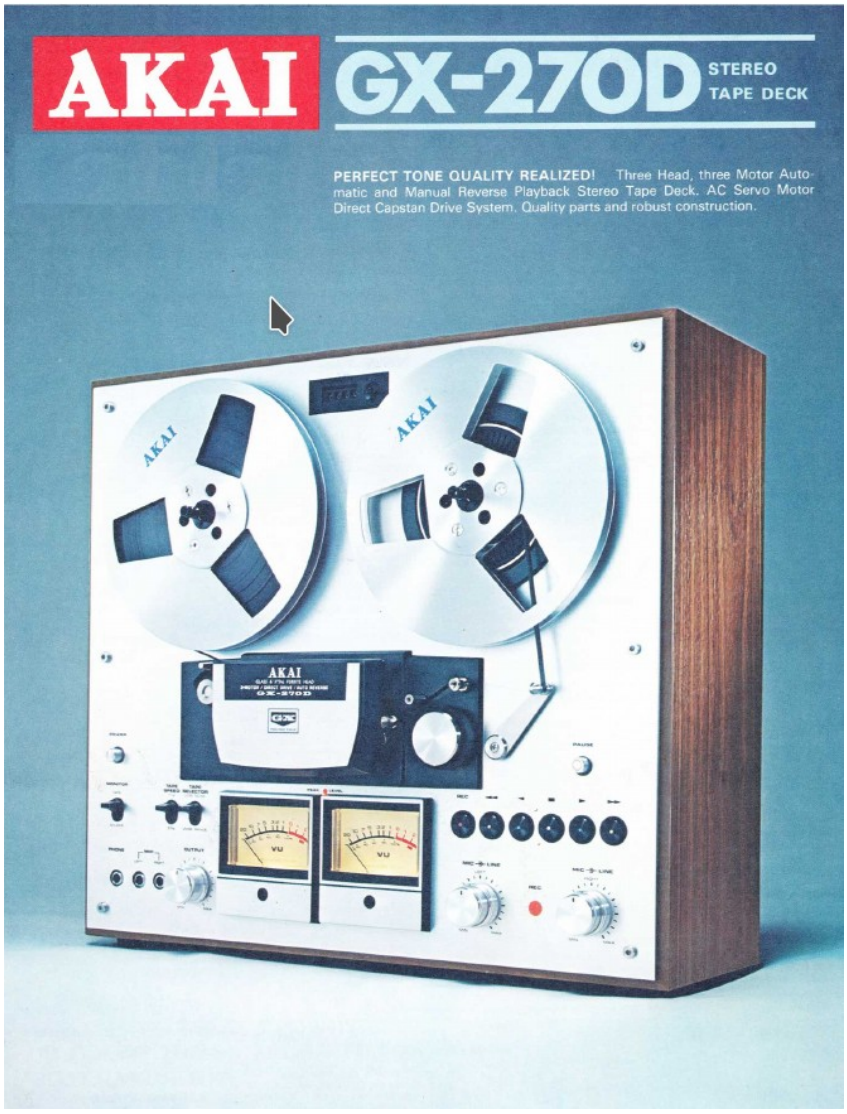
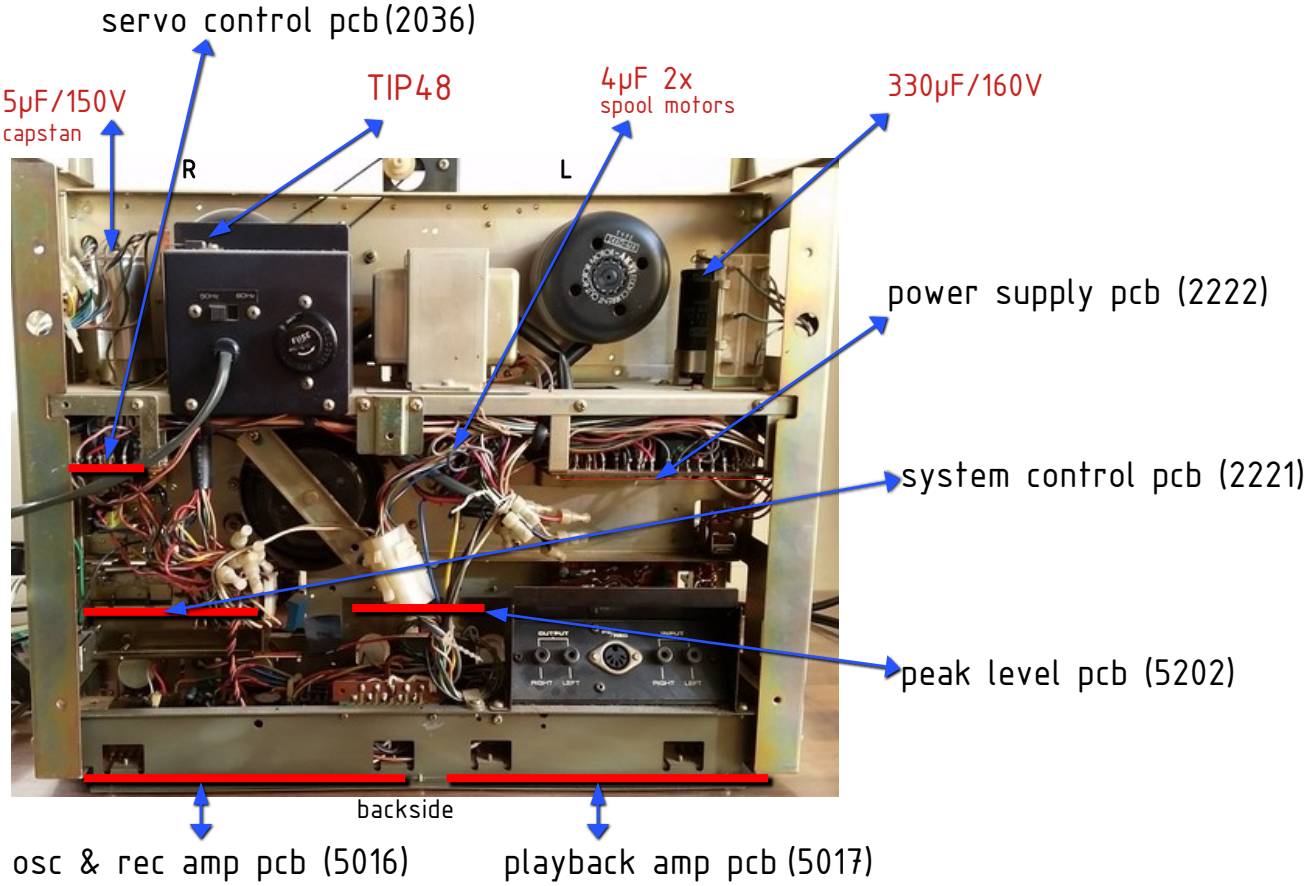
Quick Reference Guide to AKAI GX-270D:

Page:



Location of the internal printed circuit boards:



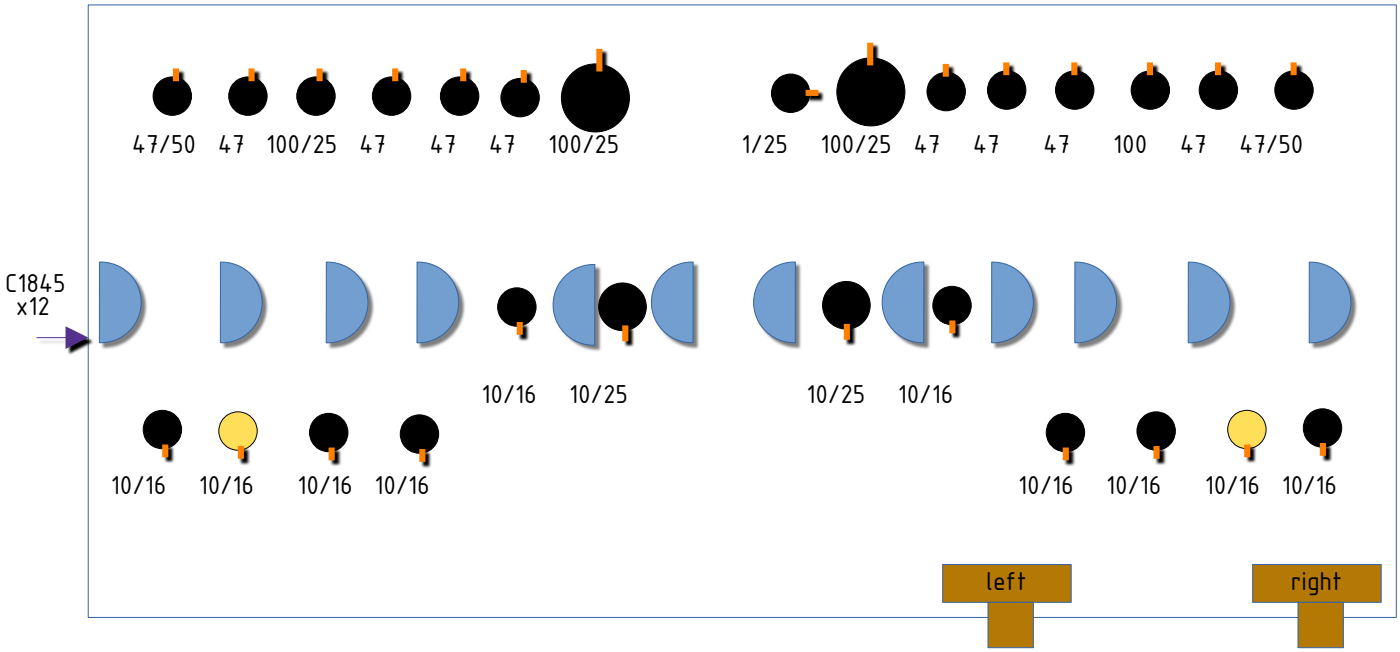
Common problems, service, revise, overhaul, refurbish actions etc:

- ☐ Replace all caps on REC & PB boards, see pg. 3 & 4
- ☐ Replace all transistors on REC & PB boards with KSC1845, see pg. 3 & 4
- ☐ clean both speed switches
- ☐ replace all sparkkillers on power supply pcb, and 1 between reels on front
- ☐ TIP48 transistor replace with TIP50
- ☐ (replace 4 diodes on servoboard with FR207 (1000V / 2A))
- ☐ (replace 8 diodes on power supply board with FR207 (1000V / 2A))
- ☐ motor caps 5µF/150V capstanmotor + 2x 4µF/250V spoolmotor. could be replaced if necessary
- ☐ big 330µF/160V high ripple cap could be replaced

All specs are for the CEE 220/240V version

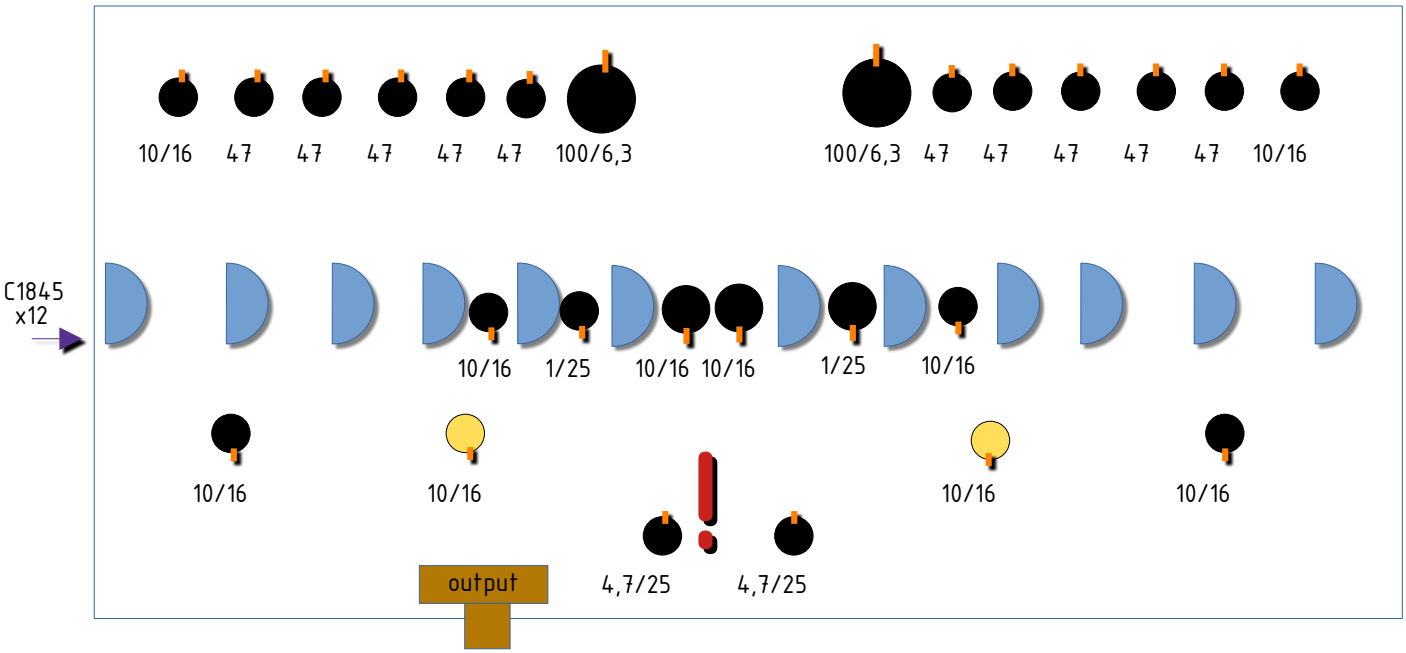
osc & rec amp pcb (5016)

Component side

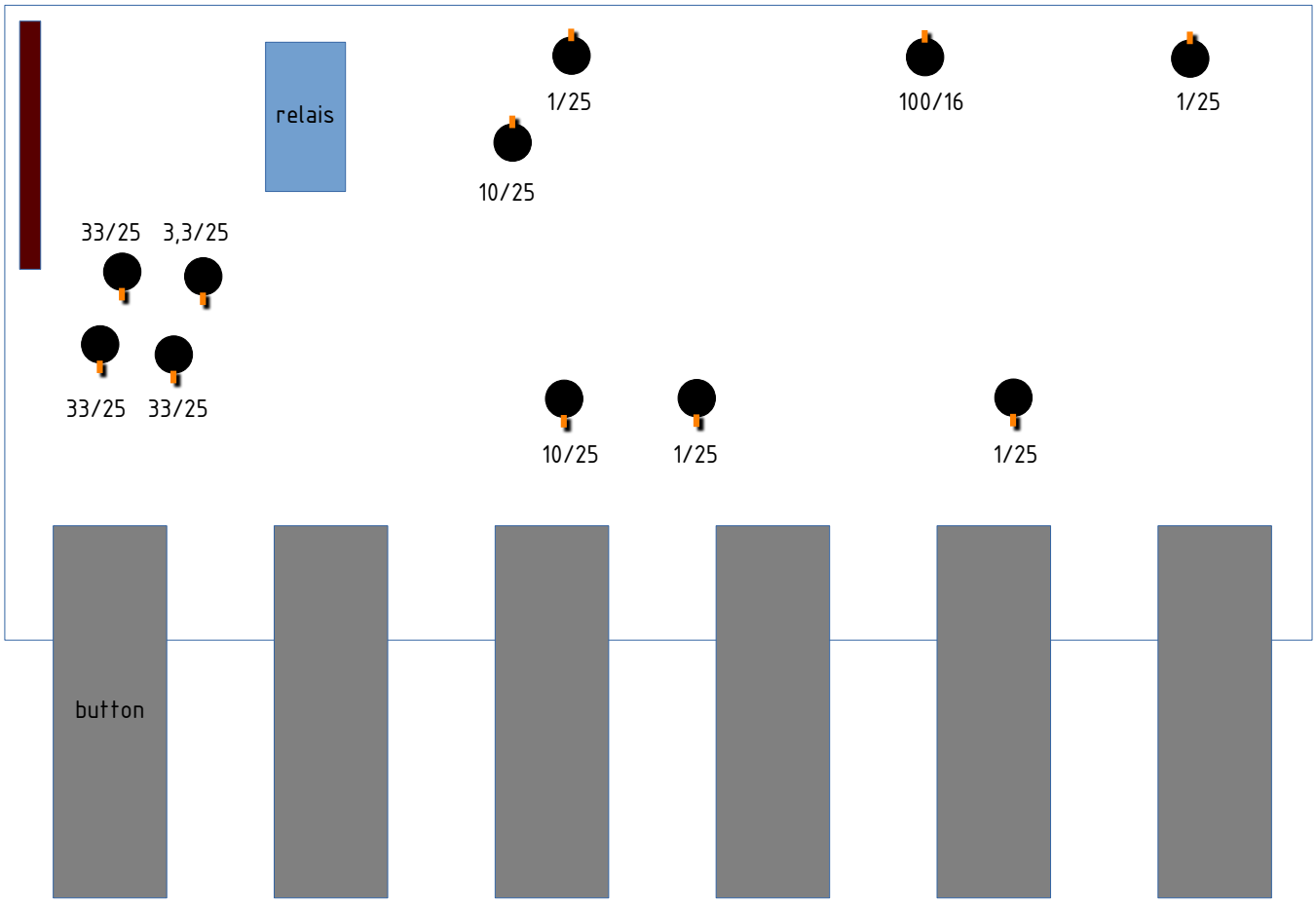


playback amp pcb (5017)

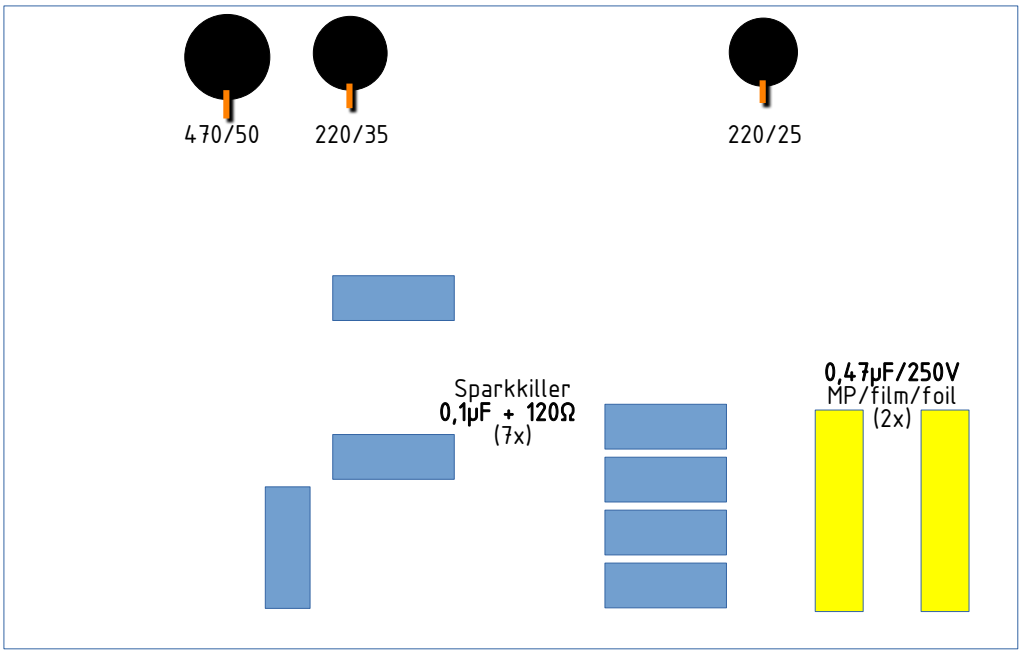
Component side



system control pcb (2221)



power supply pcb (2222)



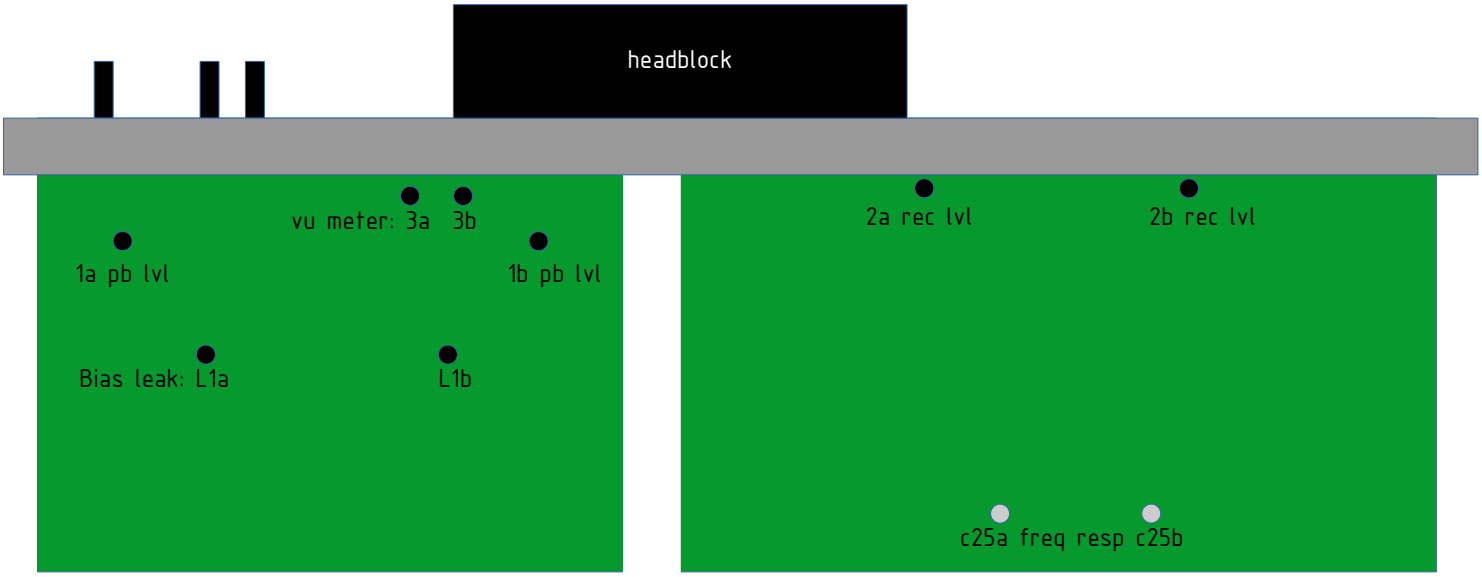
Component list per PCB

	cap µF/volt	#		transistor/semi/diodes	#	
power supply pcb	470/50	1		replace all 10D4 → FR207		4x
	220/35	2		replace all 10D5 → FR207		4x
	0,47/250	2	axial, film			
	0,1+120hm	7	sparkkiller			
system ctrl pcb	1/25	4				
	10/25	2				
	100/16	1				
	3,3/25	1				
	33/25	3				
servo pcb	**0,47/50**BiPolar	1		replace all 10D2 → FR207		4x
	1/25	1				
	10/16	1				
	100/25	1				
	3,3/25	2				
	47/50	1				
peak level pcb	0,47/25	2				
	10/25	2				
	3,3/25	1				
	4,7/25	2				
	47/25	1				
playback pcb	1/25	2		replace all trans. → c1845		12x
	10/16	8				
	100/6,3	2				
	4,7/25	2				
	47/25	8				
rec + osc pcb	1/25	1		replace all trans. → c1845		12x
	10/25	12				
	100/25	4				
	47/25	10				

[some caps are combined at a higher voltage for convenience]

total **87**

Location of adjustment / calibration pots / coils / etc.



UNDERSIDE

a = left

b = right