



Sym.	Description	Sym.	Description	Sym.	Description	Sym.	Description	Sym.	Description		
C1	cap., .25mfd	C13	cap., .025mfd	J4	jack, tape input	R9	res., 90K $\Omega$ , 1/2W, $\pm$ 5%	R21	res., 10K $\Omega$ , 1/2W, $\pm$ 10%	R33	res., 68K $\Omega$ , 1/2W, $\pm$ 5%
C2	cap., .025mfd	C14	cap., 47mmf, 10%	J5	jack, tape output	R10	res., 10K $\Omega$ , 1/2W, $\pm$ 10%	R22	res., 100K $\Omega$ , 1/2W, $\pm$ 5%	R34	res., 56K $\Omega$ , 1/2W, $\pm$ 10%
C3	cap., 3000mmf, 10%	C15	cap., 50mfd-25V	J6	convenience outlet	R11	pot., 500K $\Omega$ , audio(volume)	R23	res., 100K $\Omega$ , 1/2W, $\pm$ 5%	R35	res., 270K $\Omega$ , 1/2W, $\pm$ 10%
C4	cap., 850mmf, 10%	C16	cap., .03mfd-600V	I1	bulb, #47	R12	pot., 1M $\Omega$ , linear(bass)	R24	res., 330K $\Omega$ , 1/2W, $\pm$ 10%	R36	res., 470K $\Omega$ , 1/2W, $\pm$ 10%
C5	cap., 25mfd-6V	C17	cap., 30mfd-400V	R1	res., 100K $\Omega$ , 1/2W, $\pm$ 10%	R13	pot., 500K $\Omega$ , linear(treble)	R25	res., 330K $\Omega$ , 1/2W, $\pm$ 10%	S1	switch, selector
C6	cap., 850mmf, 10%	C18	cap., 20-40-40mfd-400-350-350	R2	res., 470K $\Omega$ , 1/2W, $\pm$ 10%	R14	res., 33K $\Omega$ , 1/2W, $\pm$ 10%	R26	res., 10K $\Omega$ , 1/2W, $\pm$ 10%	S2	switch, on-off, part of R13
C7	cap., .25mfd-400V	C19	cap., 2200mmf, 10%	R3	res., 200K $\Omega$ , 1/2W, $\pm$ 5%	R15	res., 100K $\Omega$ , 1/2W, $\pm$ 10%	R27	res., 10K $\Omega$ , 1/2W, $\pm$ 10%	V1	tube, 12AX7
C8	cap., .1mfd-400V	C20	cap., 6800mmf, 10%	R4	res., 200K $\Omega$ , 1/2W, $\pm$ 5%	R16	res., 1.2K $\Omega$ , 1/2W, $\pm$ 10%	R28	res., 165 $\Omega$ , 5W, $\pm$ 5%	V2	tube, 12AX7
C9	cap., 150mmf, 10%	C21	cap., 10mfd-6V	R5	res., 2.2K $\Omega$ , 1/2W, $\pm$ 10%	R17	res., 3.3K $\Omega$ , 1/2W, $\pm$ 10%	R29	res., 22K $\Omega$ , 1/2W, $\pm$ 5%	V3	tube, 12AX7
C10	cap., 200mmf, 10%	J1	jack, aux. input	R6	res., 4.7K $\Omega$ , 1/2W, $\pm$ 10%	R18	res., 10K $\Omega$ , 1W, $\pm$ 10%	R30	pot., 100 $\Omega$ , (hum adjust)	V4	tube, EL84
C11	cap., 200mmf, 10%	J2	jack, tuner input	R7	res., 1M $\Omega$ , 1/2W, $\pm$ 10%	R19	res., 470K $\Omega$ , 1/2W, $\pm$ 10%	R31	res., 68K $\Omega$ , 1/2W, $\pm$ 10%	V5	tube, EL84
C12	cap., .025mfd	J3	jack, phono input	R8	res., 1M $\Omega$ , 1/2W, $\pm$ 10%	R20	res., 1.8K $\Omega$ , 1/2W, $\pm$ 5%	R32	res., 33K $\Omega$ , 1/2W, $\pm$ 10%	V6	tube, EZ81



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MODEL HF 12