

Ampex Equalizer Modules

P/N	Descr	Machine		
4020269-01	Record, 7.5/15 NAB	AG440, AG440B		
4020269-02	Record, 3.75/7.5 NAB	AG440, AG440B		
4020269-03	Record, 7.5/15 IEC/CCIR	AG440, AG440B		
4020269-04	Record, 3.75/7.5 IEC/CCIR	AG440, AG440B		
4020269-06	Record, 15/30 CCIR/17.5us	AG440C		
4020269-07	Record, 15/30 NAB/17.5us	AG440C		
4020269-08	Record, 15/30 NAB/17.5us	MM1200		
4020270-01	Repro, NAB-CCIR	AG440, AG440B		
4020270-02	Repro, NAB/AES/17.5us	MM1200		
4020270-03	Repro, 15/30 NAB/CCIR	AG440, MM1200		
Equalizer boards will interchange across machines.				

4020269-xx Record Equalizer

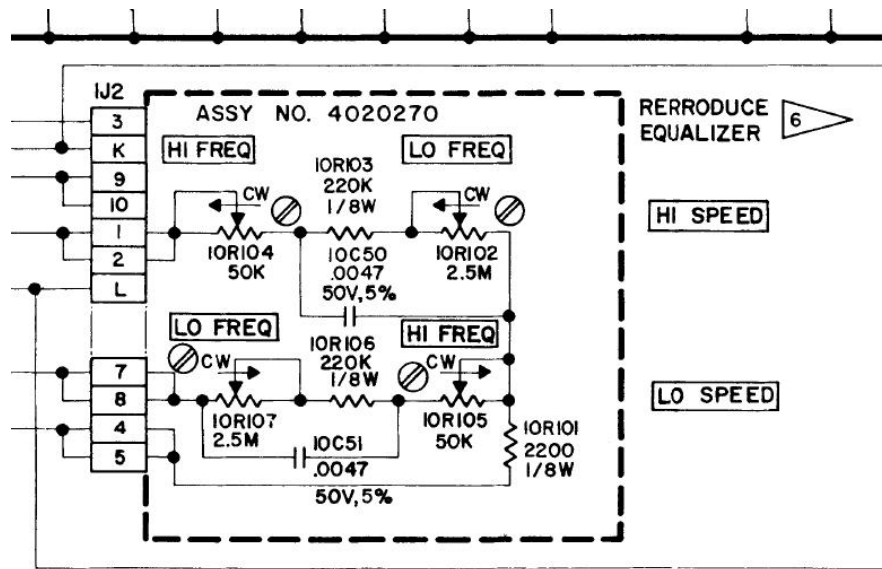
Dash	Descr	11C54	11C53	11C55	11C56	11C57	11C52	11R108	R109
01	7.5/15 NAB	50-380pf	170-780pf	DNS	DNS	2n2 / .0022uF	3u3	100k	18k
02	3.75/7.5 NAB	170-780pf	300-1180pf	DNS	DNS	DNS	3u3	100k	DNS
03	7.5/15 CCIR	50-380pf	170-780pf	3u3	3u3	DNS	3u3	100k	DNS
04	3.75/7.5 CCIR	170-780pf	300-1180pf	DNS	3u3	DNS	3u3	100k	DNS
07 (AG440C)	15/30 NAB/17.5us	25-280pf	50-380pf	DNS	3u3	2n2/.0022uF	3u3	10k	18k

Dash	Descr	11C54	11C53	11C55	11C56	11C57	11C52	11R108	R109
08 (mm1200)	15/30 NAB/17.5us	25-280pf	50-380pf	DNS	3u3	2n2 / .0022uF	3u3	10k	18k
DNS means Do Not Stuff									
17.5us is also known as AES EQ									

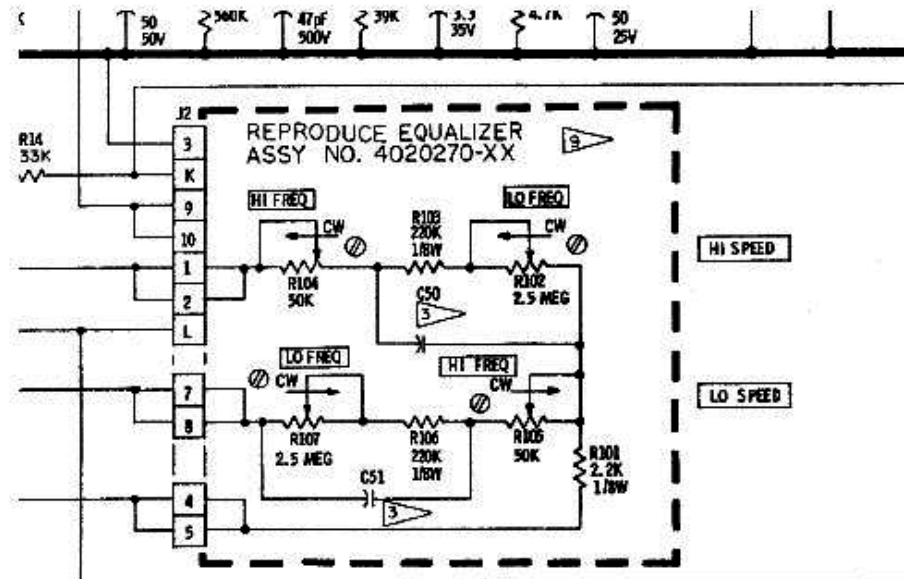
4020270-xx Reproduce Equalizer

Dash	Descr	10R104	10R102	10R107	10R105	10R103	10R106	10C50	10C51
01	NAB	50k pot	2m5 pot	2m5 pot	50k pot	220k	220k	4n7 / .0047uF	4n7 / .0047uF
02	NAB/AE S	50k pot	2m5 pot	2m5pot	50k pot	220k	220k	3n3 / .0033uF	3n3 / .0033uF
03	NAB/ CCIR	50k pot	2m5 pot	2m5 pot	50k pot	220k	220k	3n3 / .0033uF	3n3 / .0033uF
-02 version found in MM1200, AG440C									

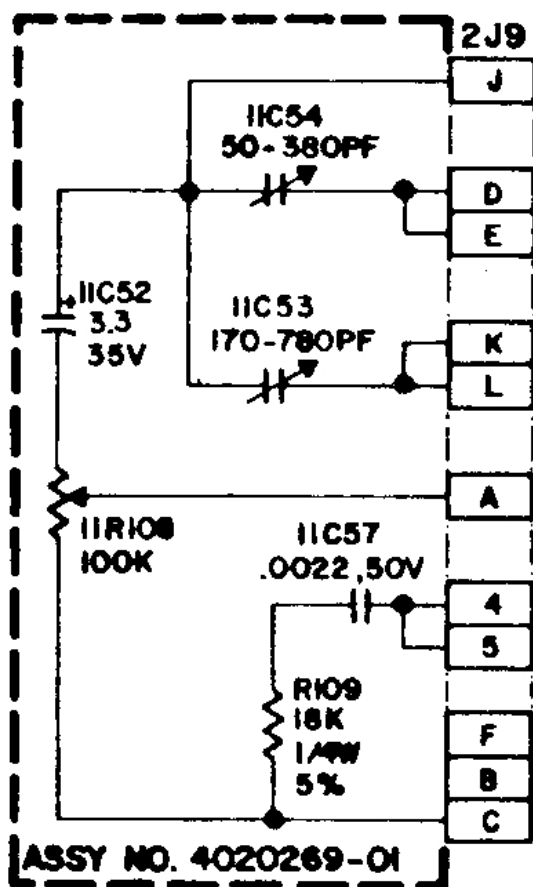
AG440 Reproduce Equalizer Modules



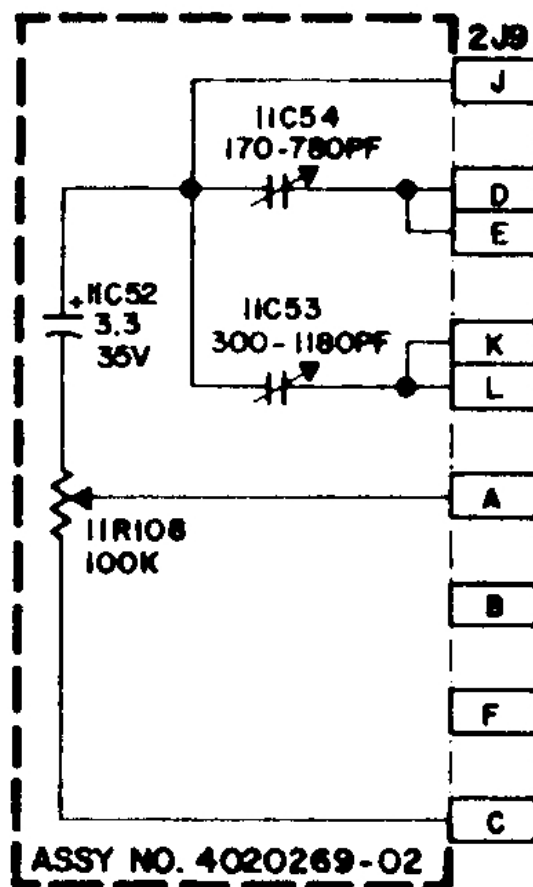
From AG440B manual



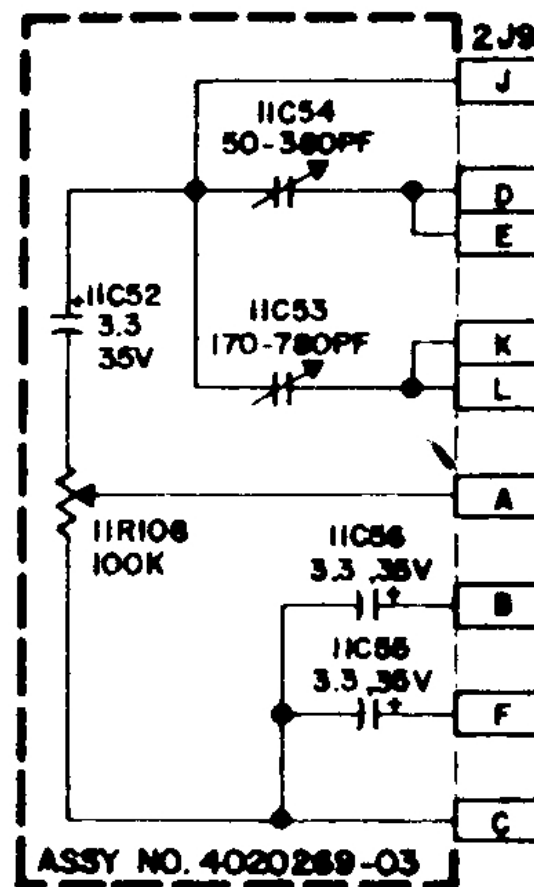
From AG440C manual



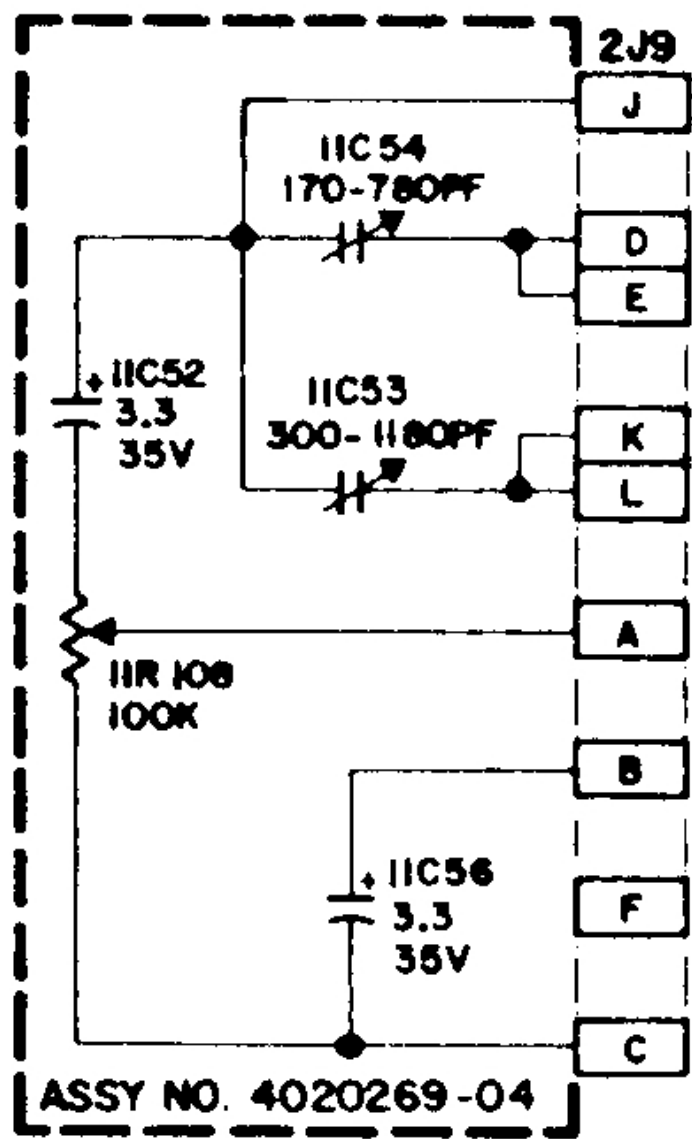
7 1/2 - 15 IPS NAB
 (RECORD EQUALIZER)



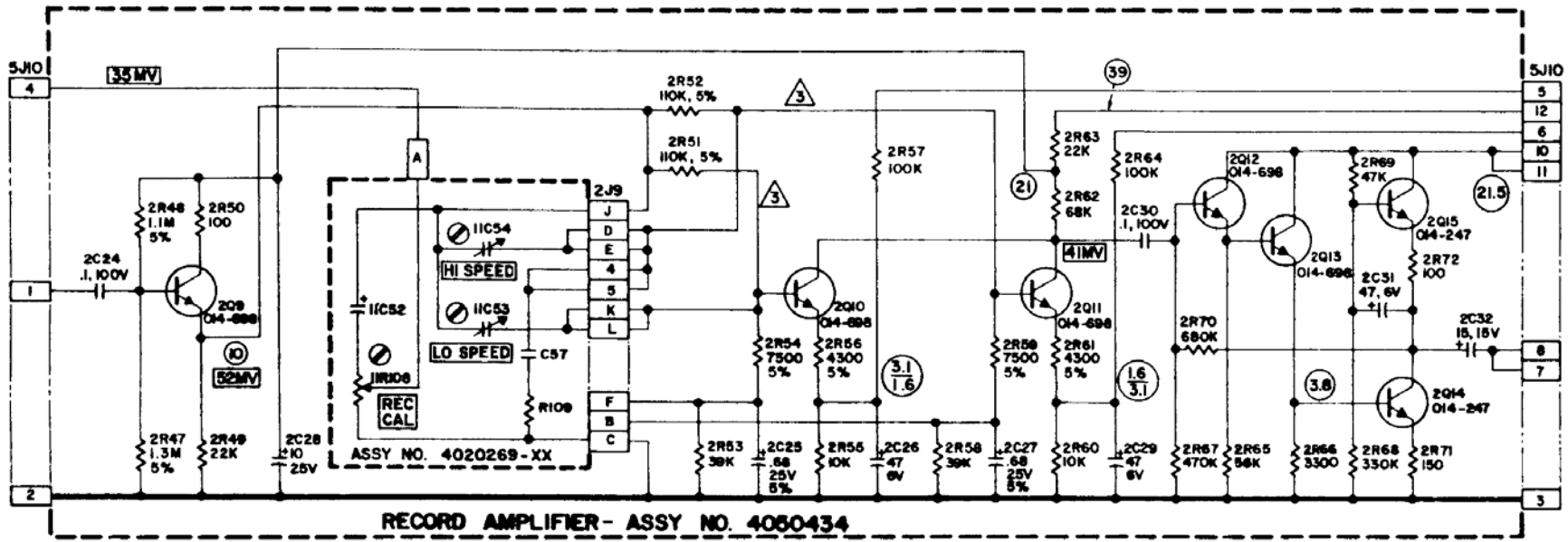
3 3/4 - 7 1/2 IPS NAB
 (RECORD EQUALIZER)



7 1/2 - 15 IPS I.E.C. (CCIR)
 (RECORD EQUALIZER)



3 3/4 - 7 1/2 IPS I.E.C. (CCIR)
(RECORD EQUALIZER)



AG440 Record Equalizer Pinout

Pin #		What	Remarks	
1	A	Record Cal output	Goes to 5J10(4)	
2	B	High speed LF EQ tweak	parallels 2C27	
3	C	0V / Ground		
4	D	Output of Hi Speed trimmer EQ capacitor	Shunts 2R52, goes to 2Q11	
5	E	parallel with D, to Hi Speed HF EQ network	C57 / R109	
6	F	Lo speed LF EQ tweak	parallels 2C25	
7	H	Polarizing pin		
8	J	Equalizer input, also top of Rec Cal pot	from 2Q9(E)	
9	K	Lo speed EQ trimmer output	Shunts 2R51, goes to 2Q10	
10	L	parallel with K		
Note: Double sided board used, but contacts are all connected across the two sides of the board on the amplifier PCB.				