

A820-24 track Capacitor list RADIALS

Value	P/N	Totals	Mults	#	Card	Card # 1.820.xxx	Section				
1u/100	P10765-ND	6		1	Capstan Motor Drive	774.24	6/143				
				2	Tacho Sensor	695.86	6/149A				
				2	Tacho Sensor	695.81-.83	6/149-151				
				1	Test Gen.Board	826	8/25				
2u2/50	P10313-ND	3		1	Tacho Sensor	695.86	6/149A				
				2	Tacho Sensor	695.81-.83	6/149-151				
4u7/100	P10768-ND	8		1	SMC Driver	759	6/119				
				1	Tacho Sensor	695.86	6/149A				
				1	Master Serial I/F	753	7/6				
				1	Communications Cntl	718	8/9				
				4	PR Gate	831	6/109				
10u/50	P10316-ND	55	3 x 3 x 24 x	1	Bargraph Board 8-CH	736	88/133				
				1	8-CH KeyboardDriver	709	8/135				
				1	Audio Align KBD	707	8/141A-141				
				5	Tacho Sensor	695.86	6/149A				
				5	Tacho Sensor	695.81-.83	6/149-151				
				1	Communications Cntl	718	8/9				
				2	Gen.Unit MCH	725	8/17				
				5	Test Gen.Board	826	8/25				
				1	Power Fail Detector	791	6/11				
				1	Line Amp	814	8/53A				
				2	DC Converter 5.6V	706	8/129				
				2	// Rem. DC Con. 5.6V	706	9/67A				
				1	A/L Stabilizer Board	213	9/55A-55				
				10u/63	P13467-ND	2		1	Stabilizer ±15, +24	873.00	6/55
1	Capstan Motor Drive	774.24	6/143								
22u/35	P11230-ND	78	24 x 24 x 24 x	1	Capstan Motor Drive	774.24	6/143				
				2	Tacho Sensor	695.86	6/149A				
				2	Tacho Sensor	695.81-.83	6/149-151				
				1	Communications Cntl	718	8/9				
				1	Line Amp	814	8/53A				
				2	Line Amp	715	8/57				
(optional) 22u/63	for SR installed P10338-ND	29	24 x	3	Basis Board NRS Cntl	809	8/113				
				1	Capstan Motor Drive	774.26-.27	6/143A				
				1	Triphase Tristate Amp	774.25	6/145				
				1	HF Driver	813	8/75				
33u/35	P10290-ND	1		1	Master Serial I/F	753	7/6				
47u/25 or 100u/25	P10267-ND	204	24 x 24 x	1	TD Periphery Cntl	762	6/79-81				
				1	Communications Cntl	718	8/9				
				1	TD Counter-Timer	823	6/95				
				1	TD Counter-Timer	761	6/93				
				1	SMC Driver	759	6/119				
				1	Master Serial I/F	753	7/6				
				3	Gen.Unit MCH	725	8/17				
				1	Test Gen.Board	826	8/25				
				7	Line Amp	814	8/53A				
				1	Line Amp	715	8/57				
				1	DC Converter 5.6V	706	8/129				
				1	// Rem. DC Con. 5.6V	706	9/67A				
				47u/50	P10321-ND	52	24 x	1	Parallel Rem. I/F	738.85	7/19A
								1	Parallel Rem. I/F	738.81-.83	7/19-23
1	TD Display Driver	768.82-.85	7/35-35A&B								
1	TD Display Driver	768.81	7/33								
2	Line Amp	714	8/49								
		438									

A820-24 track Capacitor list RADIALS -continued

Value	P/N	Totals	Mults	#	Card	Card # 1.820.xxx	Section
		438					
47u/63	P10340-ND	5		1	Stabilizer ±15, +24	871	6/25-33
				1	Stab +5.6, ±26, +24	872.00	6/35
				1	Stab +5.6, ±26, +24	872.81-.83	6/39-51
				2	A/L Stabilizer Board	213	9/55A-55
(optional)			24 x	1	Line Amp	814	8/53A
(optional)			24 x	1	Line Amp	714	8/49
(optional)			24 x	5	Repro Amp	710.85-.84	8/79A
47u/25 BP	for SR installed P1179-ND		24 x	1	Repro Amp	710.83	8/85
				3	Switch-Metering	716	8/93
			24 x	7	Internal NRS Cntlr	815	8/97
				1	Metering Board	867	8/105
				2	T/C Line Amp	820	8/119-121
			24 x	9	Internal Cntl SR/A	824	8/103
				16	Basis Board NRS Cntlr	807	8/109
				1	Metering Board	867	8/105
without Internal Cntl SR/A		381					
100u/25 or 47u/25				1	TD Periphery Cntl	762	6/79-81
				2	Opto Sensor	793	6/85
				1	Basis Board VU Panel	705	8/127
				1	Mains Soft Start	830	6/19A
				1	Tape Lifter Cntl Left	773	6/89A
				1	Tape Lifter Cntl Right	773	6/89A
				1	PR Gate	831	6/109
				3	SMC Driver	759	6/119
				4	SMC Drive Amp	875.82	6/127
				4	SMC Drive Amp	875.81-.00	6/125
				6	Capstan Motor Drive	774.26-.27	6/143A
				2	Capstan Motor Drive	774.24	6/143
				6	Triphase Tristate Amp	774.25	6/145
				1	Serial Rem. Cntl	1.810.751	7/11
				1	Communications Cntl	718	8/9
			24 x	1	Line Amp	714	8/49
			24 x	3	Line Amp	814	8/53A
			24 x	2	Repro Amp	710.83	8/85
				2	BasisBoard NRS SR/A	806	8/107
(optional)				4	Basis Board NRS Cntlr	807	8/109
100u/25	P10269-ND	182		1	// Rem. Basis VUpanl	705	9/69A
100u/50	P10323-ND	24	24 x	1	Line Amp	814	8/53A
			24 x	1	Line Amp	714	8/49
			24 x	2	Line Amp	715	8/57
			24 x	1	Line Output Amp	862	8/61
			24 x	1	Repro Amp	710.85-.84	8/79A
			24 x	2	Repro Amp	710.83	8/85
(optional)				1	Basis Board NRS Cntlr	809	8/113
(optional)				1	Basis Board NRS Cntlr	807	8/109
220u/10	P10220-ND	169		1	Basis Board VU Panel	705	8/127
				1	Serial Rem. I/F	729.24-.25	7/27-29
				1	TD Display Driver	768.82-.85	7/35-35A&B
				1	TD Display Driver	768.81	7/33
			24 x	2	Line Amp	814	8/53A
220u/25	P10271-ND	76	24 x	1	Record Amp HX-PRO	811	8/71
				1	// Rem. Basis VUpanl	705	9/69A
220u/160	P5909-ND	1		1	Capstan Motor Drive	774.24	6/143
470u/16	P10248-ND	24	24 x	1	Line Amp	814	8/53A
		1300					

A820-24 track Capacitor list RADIALS -continued

Value	P/N	Totals	Mults	#	Card	Card # 1.820.xxx	Section
		1300					
470u/25	P10275-ND	82	24 x 3 x	1	Stabilizer ±15, +24	873.81.82	6/59A-59
				1	Stabilizer ±15, +24	873.00	6/55
				1	Parallel Rem. I/F	738.85	7/19A
				1	Parallel Rem. I/F	738.81-.83	7/19-23
				2	Line Amp	714	8/49
				8	Repro Preamp 8-CH	808	8/79A
				4	A/L Stabilizer Board	213	9/55A-55
				1	A/L Driver Board	232	9/59
1	AudRem.Cntl.KbdDr v	505	9/79				
470u/63	P10351-ND	6		2	Tape Lifter Cntl Left	773	6/89A
				2	Tape Lifter Cntl Right	773	6/89A
				1	Capstan Motor Drive	774.26-.27	6/143A
				1	Triphase Tristate Amp	774.25	6/145
1,000u/10	P10225-ND	24	24 x	1	Line Amp	714	8/49
1,000u/50	P10333-ND	10		1	Stabilizer ±15, +24	873.81.82	6/59A-59
				1	Stabilizer ±15, +24	873.00	6/55
				2	Stabilizer ±15, +24	871	6/25-33
				3	Stab +5.6, ±26, +24	872.00	6/35
				3	Stab +5.6, ±26, +24	872.81-.83	6/39-51
1,000u/63	P10355-ND	2		1	DC Converter 5.6V // Rem. DC Con. 5.6V	706	8/129
				1		706	9/67A
2,200u/16	P10257-ND	3		2	TD Display Driver	768.82-.85	7/35-35A&B
				1	TD Display Driver	768.81	7/33
2,200u/25	P10284-ND P5545-ND	22		2	Stabilizer ±15, +24	873.81.82	6/59A-59
				2	Stabilizer ±15, +24	873.00	6/55
				8	Stabilizer ±15, +24	871	6/25-33
				5	Stab +5.6, ±26, +24	872.00	6/35
				5	Stab +5.6, ±26, +24	872.81-.83	6/39-51
68,000u/63	P5587-ND	3		3	PSU	350/353	6/3-17
		1452					

A820-24 track Capacitor list AXIALS

Value	P/N	Totals	Mults	#	Card	Card # 1.820.xxx	Section
		1452					
10u/63	4151PHCT-ND	1		1	Edit Assy	250	7/43
47u/40	4137PHCT-ND	1		1	Push Button Display	767	7/45
220u/40	4228PHCT-ND	4		4	Line Output Amp	862	8/61
470u/16	4190PHCT-ND	2		1	8-CH KeyboardDriver	709	8/135
				1	Audio Align KBD	707	8/141A-141
470u/25	4217PHCT-ND	16		4	Basis Board TapeDeck	704	6/63-65
				4	Basis Audio Cntl	802	8/33
				4	Basis Audio Cntl	702	8/31
				4	Basis -Audio	703	8/43A
1,000u/10	4191PHCT-ND	6		2	Basis Board TapeDeck	704	6/63-65
				1	Basis Audio Cntl	802	8/33
				1	Basis Audio Cntl	702	8/31
				2	Basis -Audio	703	8/43A
1,000u/16	4120PHBK-ND	3	3 X	1	Bargraph Board 8-CH	736	88/133
1,000u/63	4249PHBK-ND	2		1	Tape Lifter Cntl Left	773	6/89A
				1	Tape Lifter Cntl Right	773	6/89A
2,200u/25	4221PHBK-ND	2		1	DC Converter 5.6V // Rem. DC Con. 5.6V	706	8/129
				1		706	9/67A
2,200u/63	P5587-ND	4		2	DC Converter 5.6V // Rem. DC Con. 5.6V	706	8/129
				2		706	9/67A
		1493					

A820-2 track Capacitor list RADIALS

Tot	Value	P/N	#	Card	Card # 1.820.xxx	Section
1	1u/100 rad	P10765-ND	1	Capstan Motor Drive	774	5/123
5	10u/50 rad	P10316-ND	5	Switching Stabilizer	790	5/67
1	10u/63 rad	P13467-ND	1	Capstan Motor Drive	774	5/123
2	22u/35 rad	P11230-ND	2	Switching Stabilizer	790	5/67
8	22u/35 rad	P11230-ND	4	Line Amp	715 with 862	7/9
			4	Line Output Amp	either 862 or 714	7/9
2			2	HF Driver	813	⁸²⁰ -713
4	22u/63 rad	P10338-ND	4	HF Driver	7/15a	7/15
			1	TD Counter/Timer	761	5/95
			1	Master Periph. Cntl	728	6/11
			1	Switching Stabilizer	790	5/67
			2	Line Amp	715 with 862	7/9
6	47u/25 rad	P10267-ND	1	Parallel Rem. I/F	738	6/19
			2	SM Driver	759	5/109
			1	Parallel Rem. I/F	738	6/19
			1	TD Display Driver	768	6/27
			4	Line Amp	either 714 or 715	7/7
10	47u/50 rad	P10321-ND	2	Opto Sensor	793	5/87
1	47u/63 rad	P10340-ND	1	SM Supply	770	5/71
			3	SM Driver	759	5/109
			1	Serial Rem. I/F Cntl	⁸¹⁰ -751	6/13
		either	4	Repro Amp	710.85/.84/.83	7/25a,b/25
		or	2	Repro Amp	710.82	7/23
			2	Line Amp	either 714 or 715	7/7
			2	VU meters	730	7/41
12			1	Tape Lifter Cntl (L)	773	5/91
14	100u/25 rad	P10269-ND	1	Tape Lifter Cntl (R)	773	5/91
			4	SM Driver (L)	775	5/113
10	100u/35 rad	P10294-ND	4	SM Driver (R)	775	5/113
			2	SM Supply	770	5/71
			2	Record Amp	811	7/13a/b
			2	ditto	712	7/13
		or	4	Repro Amp	710.85/.84/.83/.82	7/25a,b/25/23
			4	Line Amp	715 with 862	7/7
12	220u/10 rad	P10220-ND	2	Line Output Amp	either 862 or 714	7/9
			2	Line Amp	either 714 or 715	7/7
3	220u/16 rad	P11199-ND	1	TD Display Driver	768	6/27
1	220u/25 rad	P10271-ND	1	TD Display Driver	768	6/27
1	220u/160 rad	P5861-ND	1	Capstan Motor Drive	774	5/123
			1	Parallel Rem. I/F	738	6/19
			4	Line Amp	either 714 or 715	7/7
7	470u/25 rad	P10275-ND	2	VU meters	730	7/41
			2	Tape Lifter Cntl (L)	773	5/91
4	470u/50 rad	P10328-ND	2	Tape Lifter Cntl (R)	773	5/91
2	1000u/10 rad	P10225-ND	2	Line Amp	either 714 or 715	7/7
			1	Switching Stabilizer	790	5/67
2	2200u/16 rad	P10257-ND	1	TD Display Driver	768	6/27

A820 Capacitor list AXIALS

Tot	Value	P/N	#	Card	Card # 1.820.xxx	Section
8	220u/40 ax	4228PHCT-ND	8	Line Output Amp	either 862 or 714	7/9
2	470u/16 ax	4203PHCT-ND	2	Head Preamp	712	7/21A
			4	Basis PCB Tape Deck	701	5/75
			6	Basis PCB Audio	700	7/3
12	470u/25 ax	4217PHCT-ND	2	Monitor Control	860	7/51
2	1000u/25 ax	4219PHBK-ND	2	Switching Stabilizer	790	5/67
4			2	Basis PCB Tape Deck	701	5/75
2	1000u/16 ax	4204PHBK-ND	2	Basis PCB Audio	700	7/3
			1	Tape Lifter Cntl (L)	773	5/91
2	1000u/63 ax	4249PHBK-ND	1	Tape Lifter Cntl (R)	773	5/91
			4	PSU		Gp:12 El: 1-4
						5/64
1	22,000u/40 stud	?	1	Smoothing capacitor		Gp:34 El:4
						5/71

		Serial number:
Re-caping:		Capacitors:
PSU	Gp: 12 El: 1-4 5/64	1 2 3 4 [10,000u/63 stud]
Basis PCB Tape Deck	820-701 5/75	2 5 [1000u/40 ax] 3 4 6 7 [470u/40 ax]
Basis PCB Audio	820-700 7/3	4 7 [1000u/40 ax] 2 3 5 6 8 9 [470u/40 ax]
SM Driver	820-759 5/109	1 2 3 [100u/25 rad] 6 7 [47u/50 rad]
Capstan Cntl	820-764 5/117	1 [47u/25 rad]* *
Capstan I/F	820-727 5/119	1 [47u/25 rad]* 2 3 [2u2/50 rad]* 16 [1u/50 rad]* * * *
TD Periph. Cntl	820-762 5/85	1 [47u/25 rad]* *
TD Counter/Timer	820-761 5/95	7 [47u/25 rad]
SMC	820-760 5/103	1 [47u/25 rad]* 3 4 21 [2u2/50 rad]* * * *
MPU TD Cntl	820-785 5/77	1 [47u/25 rad]* 9 [10u/25 rad]* *
TD Serial I/F	820-763 5/81	3 [47u/25 rad]* 8 [1u/50 rad]* 11 12 [2u2/50 rad]* * * *
Master Serial I/F	820-753 6/7	1 [47u/25 rad]* 4 [2u2/50 rad]* 14 [33u/25 rad]* * *
MPU Master	820-786 6/3	1 [47u/25 rad]* 9 [10u/25 rad]* *
SMPTE-EBU I/F	820-751 6/15	2 [47u/25 rad]* *
Serial Rem. I/F Cntl	810-751 6/13	5 [47u/25 rad]* 8 [100u/25 rad] *
Master Periph. Cntl	820-728 6/11	1 8 [47u/25 rad]* 9 [47u/25 rad] * *
Parallel Rem. I/F	820-738 6/19	4 [470u/25 rad] 15 [47u/50 rad]
SM Driver (L&R)	820-775 5/113	6 7 8 9 [100u/35 rad] -left 6 7 8 9 [100u/35 rad] -right
SM Supply	820-770 5/71	1 11 [100u/35 rad] 10 [47u/63 rad]
Switching Stabilizer	820-790 5/67	5 6 21 24 25 [10u/35 rad] 26 [47u/25 rad] 28 [2200u/16 rad] 30 31 [22u/25 rad] 35 36 [1000u/25 rad]
Capstan Motor Drive	820-774 5/123	4 [220u/160 rad] 10 [10u/63 rad]
Tape Lifter Cntl (L&R)	820-773 5/91	7 8 [470u/50 rad] 9 [1000u/63 ax] -left 7 8 [470u/50 rad] 9 [1000u/63 ax] -right
TD Display Driver	820-768 6/27	4 [220u/25 rad] 16 [2200u/16 rad] 18 [47u/50 rad]
Fuse/Supply Fail	820-737 5/73	1 [47u/25 rad]* 26 [1u/50 rad] *

* Note: Solid Aluminum electrolytic capacitors do not require replacement

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