

MODEL AL-500
15/16 & 1-7/8 ips

-01	-02	-03	-04	-05	-06	DESCRIPTION	Ampex Part No.
X						Two record/reproduce channels, 60 Hz, cased	4010062-01
	X					Two record/reproduce channels, 60 Hz, uncased	4010062-02
		X				Four record/reproduce channels, 60 Hz, uncased	4010062-03
			X			Two record/reproduce channels, 50 Hz, cased	4010062-04
				X		Two record/reproduce channels, 50 Hz, uncased	4010062-05
					X	Four record/reproduce channels, 50 Hz, uncased	4010062-06
1	1	2	1	1	2	Head assembly, reproduce, 1/4 track	1815112-04
1	1	2	1	1	2	Head assembly, record, 1/4 track	1815112-05
1	1	1				Tape Transport assembly, 60 Hz	4020061-08
			1	1	1	Tape Transport assembly, 50 Hz	4020061-09
2	2	4	1	1	3	Electronics assembly, Domestic	4020256-05
			1	1	1	Electronics assembly, International	4020256-06
	1	1		1	1	Guard assembly, Tape Transport	4040640-10
2	2	2	2	2	2	Knob, reel hold down	4130028-20
1			1			Case, portable	4150231-01
1	1	1	1	1	1	Reel, 7-inch	4690069-10
1	1	1	1	1	1	Instruction Manual	4890169
4	4	8	4	4	8	Connector, plug, female, XL-3-11	144-003
2	2	4	2	2	4	Connector, plug, male, XL-3-12	145-009
	4	4		4	4	Clip, cable	302-203
1	1	1	1	1	1	Cord Set	084-027
			2	2	2	Fuse, 3/4 amp, 250V, slo-blo	070-081
1	1		1	1		Cable, Interconnecting	4050430-01
		1			1	Cable, Interconnecting	4050430-02
2	2	4	2	2	4	Transformer, input, bridging	4580200-01

MODEL AG-500
Single Channel, 60 Hz
NAB Equalization

-01	-02	-03	-04	-05	-06	-07	-08	DESCRIPTION	Ampex Part No.
X								7-1/2 & 15 ips, Full Track, cased	4010048-01
	X							7-1/2 & 15 ips, Full Track, uncased	4010048-02
		X						7-1/2 & 15 ips, Half Track, cased	4010048-03
			X					7-1/2 & 15 ips, Half Track, uncased	4010048-04
				X				3-3/4 & 7-1/2 ips, Full Track, cased	4010048-05
					X			3-3/4 & 7-1/2 ips, Full Track, uncased	4010048-06
						X		3-3/4 & 7-1/2 ips, Half Track, cased	4010048-07
							X	3-3/4 & 7-1/2 ips, Half Track, uncased	4010048-08
1	1			1	1			Head Assembly, full track, reproduce	1815108-01
1	1			1	1			Head Assembly, full track, record	1815108-02
1	1			1	1			Head Assembly, full track, erase	1815109-01
		1	1			1	1	Head Assembly, half track, reproduce	1815110-01
		1	1			1	1	Head Assembly, half track, record	1815110-02
		1	1			1	1	Head Assembly, half track, erase	1815111-01
1	1	1	1					Tape Transport Assembly, 7-1/2 & 15 ips, 60 Hz	4020061-01
1	1	1	1	1	1	1	1	Tape Transport Assembly, 3-3/4 & 7-1/2 ips, 60 Hz	4020061-03
	1		1		1		1	Electronics Assembly, Domestic, NAB	4020256-01
2	2	2	2	2	2	2	2	Guard Assembly, Tape Transport	4040640-10
1		1		1		1		Knob, reel hold down	4130028-20
1	1	1	1	1	1	1	1	Case, portable	4150161-01
1	1	1	1	1	1	1	1	Transformer, input, bridging	4580200-01
1	1	1	1	1	1	1	1	Reel, 7-inch	4690069-10
1	1	1	1	1	1	1	1	Instruction Manual	4890169
1	1	1	1	1	1	1	1	Cord Set	084-027
2	2	2	2	2	2	2	2	Connector, plug, female, XL-3-11	144-003
2	2	2	2	2	2	2	2	Connector, plug, male, XL-3-12	145-009
	4		4		4		4	Clip, cable	302-203
1	1	1	1	1	1	1	1	Tape, blank, 1200 feet, 1-1/2 mil Mylar	763-191
								Miscellaneous hardware	

MODEL AG-500
Single Channel, 50 Hz
NAB Equalization

-09	-10	-11	-12	-13	-14	-15	-16	DESCRIPTION	Ampex Part No.
X								7-1/2 & 15 ips, Full Track, cased	4010048-09
	X							7-1/2 & 15 ips, Full Track, uncased	4010048-10
		X						7-1/2 & 15 ips, Half Track, cased	4010048-11
			X					7-1/2 & 15 ips, Half Track, uncased	4010048-12
				X				3-3/4 & 7-1/2 ips, Full Track, cased	4010048-13
					X			3-3/4 & 7-1/2 ips, Full Track, uncased	4010048-14
						X		3-3/4 & 7-1/2 ips, Half Track, cased	4010048-15
							X	3-3/4 & 7-1/2 ips, Half Track, uncased	4010048-16
1	1			1	1			Head Assembly, full track, reproduce	1815108-01
1	1			1	1			Head Assembly, full track, record	1815108-02
1	1			1	1			Head Assembly, full track, erase	1815109-01
		1	1			1	1	Head Assembly, half track, reproduce	1815110-01
		1	1			1	1	Head Assembly, half track, record	1815110-02
		1	1			1	1	Head Assembly, half track, erase	1815111-01
1	1	1	1					Tape Transport Assembly, 7-1/2 & 15 ips, 50 Hz	4020061-02
				1	1	1	1	Tape Transport Assembly, 3-3/4 & 7-1/2 ips, 50 Hz	4020061-04
1	1	1	1	1	1	1	1	Electronics Assembly, International, NAB	4020256-03
	1	1	1	1	1	1	1	Guard Assembly, Tape Transport	4040640-10
2	2	2	2	2	2	2	2	Knob, reel hold down	4130028-20
1		1		1		1		Case, portable	4150161-01
1	1	1	1	1	1	1	1	Transformer, input, bridging	4580200-01
1	1	1	1	1	1	1	1	Reel, 7-inch	4690069-10
1	1	1	1	1	1	1	1	Instruction Manual	4890169
1	1	1	1	1	1	1	1	Cord Set	084-027
2	2	2	2	2	2	2	2	Connector, plug, female, XL-3-11	144-003
2	2	2	2	2	2	2	2	Connector, plug, male, XL-3-12	145-009
	4		4		4		4	Clip, cable	302-203
1	1	1	1	1	1	1	1	Tape, blank, 1200 feet, 1-1/2 mil Mylar	763-191
2	2	2	2	2	2	2	2	Fuse, 3/4 amp, 250V, slo-blo	070-081
Miscellaneous hardware									

MODEL AG-500
Single Channel, 50 Hz
CCIR Equalization

-17	-18	-19	-20	-21	-22	-23	-24	DESCRIPTION	Ampex Part No.
X								7-1/2 & 15 ips, Full Track, cased	4010048-17
	X							7-1/2 & 15 ips, Full Track, uncased	4010048-18
		X						7-1/2 & 15 ips, Half Track, cased	4010048-19
			X					7-1/2 & 15 ips, Half Track, uncased	4010048-20
				X				3-3/4 & 7-1/2 ips, Full Track, cased	4010048-21
					X			3-3/4 & 7-1/2 ips, Full Track, uncased	4010048-22
						X		3-3/4 & 7-1/2 ips, Half Track, cased	4010048-23
							X	3-3/4 & 7-1/2 ips, Half Track, uncased	4010048-24
1	1			1	1			Head Assembly, Full Track, Reproduce	1815108-01
1	1			1	1			Head Assembly, Full Track, Record	1815108-02
1	1			1	1			Head Assembly, Full Track, Erase	1815109-01
		1	1			1	1	Head Assembly, Half Track, Reproduce	1815110-01
		1	1			1	1	Head Assembly, Half Track, Record	1815110-02
		1	1			1	1	Head Assembly, Half Track, Erase	1815111-01
1	1	1	1					Tape Transport Assembly, 7-1/2 & 15 ips, 50 Hz	4020061-02
				1	1	1	1	Tape Transport Assembly, 3-3/4 & 7-1/2 ips, 50 Hz	4020061-04
1	1	1	1	1	1	1	1	Electronics Assembly, Domestic, NAB	4020256-04
	1	1	1	1	1	1	1	Guard Assembly, Tape Transport	4040640-10
2	2	2	2	2	2	2	2	Knob, reel hold down	4130028-20
1		1		1		1		Case, portable	4150161-01
1	1	1	1	1	1	1	1	Transformer, input, bridging	4580200-01
1	1	1	1	1	1	1	1	Reel, 7-inch	4690069-10
1	1	1	1	1	1	1	1	Instruction Manual	4890169
1	1	1	1	1	1	1	1	Cord Set	084-027
2	2	2	2	2	2	2	2	Connector, plug, female, XL-3-11	144-003
2	2	2	2	2	2	2	2	Connector, plug, male, XL-3-12	145-009
	4		4		4		4	Clip, cable	302-203
1	1	1	1	1	1	1	1	Tape, blank, 1200 feet, 1-1/2 mil Mylar	763-191
2	2	2	2	2	2	2	2	Fuse, 3/4 amp, 250 V, slo-blo	070-081
Miscellaneous hardware									

MODEL AG-500
Two Channel, 60 Hz
NAB Equalization

-01	-02	-03	-04	-05	-06	-07	-08	-09	-10	-11	-12	DESCRIPTION		Ampex Part No.
X												7-1/2 & 15 ips, two track, cased		4010049-01
	X											7-1/2 & 15 ips, two track, uncased		4010049-02
		X										7-1/2 & 15 ips, two track & 4 tr., cased	(Note 1)	4010049-03
			X									7-1/2 & 15 ips, two track & 4 tr., uncased	(Note 1)	4010049-04
				X								3-3/4 & 7-1/2 ips, two track, cased		4010049-05
					X							3-3/4 & 7-1/2 ips, two track, uncased		4010049-06
						X						3-3/4 & 7-1/2 ips, four track, cased		4010049-07
							X					3-3/4 & 7-1/2 ips, four track, uncased		4010049-08
								X				3-3/4 & 7-1/2 ips, 2 tr. & 4 tr., cased	(Note 1)	4010049-09
									X			3-3/4 & 7-1/2 ips, 2 tr. & 4 tr., uncased	(Note 1)	4010049-10
										X		3-3/4 & 7-1/2 ips, 4 tr. & 2 tr., cased	(Note 2)	4010049-11
											X	3-3/4 & 7-1/2 ips, 4 tr. & 2 tr., uncased	(Note 2)	4010049-12
1	1	1	1	1	1			1	1	1	1	Head Assembly, two tr., reproduce		1815110-01
			1	1		1	1	1	1	1	1	Head Assembly, 4 tr., reproduce		1815112-01
1	1	1	1	1	1			1	1			Head Assembly, two tr., record		1815110-02
						1	1			1	1	Head Assembly, four tr., record		1815112-02
1	1	1	1	1	1			1	1			Head Assembly, two track, erase		1815111-01
						1	1			1	1	Head Assembly, four track, erase		1815112-03
1	1	1	1									Tape Tr. Assy, 7-1/2 & 15 ips, 60 Hz		4020261-01
				1	1	1	1	1	1	1	1	Tape Tr. Assy, 3-3/4 & 7 1/2 ips, 60 Hz		4020261-02
2	2	2	2	2	2	2	2	2	2	2	2	Electronic Assy, Domestic, NAB		4020256-01
	1		1		1		1		1		1	Guard Assembly, Tape Transport		4040640-10
		1	1					1	1	1	1	Switch Assembly, 2 & 4 Track		4050426-01
1	1	1	1	1	1	1	1	1	1	1	1	Cable, Interconnecting		4050430-01
1	1			1	1	1	1					Plug Button		4100142-01
2	2	2	2	2	2	2	2	2	2	2	2	Knob, reel hold down		4130028-20
1		1		1		1		1	1	1	1	Case, Portable		4150231-01
		1	1					1	1	1	1	Insulation, head switch		4170267-10
		1	1					1	1	1	1	Shaft, switch		4210216-01
		1	1					1	1	1	1	Retainer, wire		4320115-10
2	2	2	2	2	2	2	2	2	2	2	2	Transformer, input, bridging		4580200-01
1	1	1	1	1	1	1	1	1	1	1	1	Reel, 7-inch		4690069-10
1	1	1	1	1	1	1	1	1	1	1	1	Instruction Manual		4890169
1	1	1	1	1	1	1	1	1	1	1	1	Cord Set		084-027
2	2	2	2	2	2	2	2	2	2	2	2	Connector, plug, female, XL-3-11		144-003
4	4	4	4	4	4	4	4	4	4	4	4	Connector, plug, male, XL-3-12		145-009
		1	1					1	1	1	1	Clamp, cable		302-049
	4		4		4		4		4		4	Clip, cable		302-203
1	1	1	1	1	1	1	1	1	1	1	1	Tape, blank, 1200 ft., 1-1/2 mil Mylar		763-191
Miscellaneous hardware														
Note 1. Records, reproduces & erases 2 tr., plus reproduces four track.														
Note 2. Records, reproduces & erases 4 tr., plus reproduces two track.														

MODEL AG-500
Two Channel, 50 Hz
NAB Equalization

-13	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	DESCRIPTION		Ampex Part No.
X												7-1/2 & 15 ips, two track, cased		4010049-13
	X											7-1/2 & 15 ips, two track, uncased		4010049-14
		X										7-1/2 & 15 ips, 2 track & 4 tr., cased	(Note 1)	4010049-05
			X									7-1/2 & 15 ips, 2 track & 4 tr., uncased	(Note 1)	4010049-16
				X								3-3/4 & 7-1/2 ips, two track, cased		4010049-17
					X							3-3/4 & 7-1/2 ips, two track, uncased		4010049-18
						X						3-3/4 & 7-1/2 ips, four track, cased		4010049-19
							X					3-3/4 & 7-1/2 ips, four track, uncased		4010049-20
								X				3-3/4 & 7-1/2 ips, 2 track & 4 tr., cased	(Note 1)	4010049-21
									X			3-3/4 & 7-1/2 ips, 2 tr., & 4 tr., uncased	(Note 1)	4010049-22
										X		3-3/4 & 7-1/2 ips, 4 tr., & 2 tr., cased	(Note 2)	4010049-23
											X	3-3/4 & 7-1/2 ips, 4 tr., & 2 tr., uncased	(Note 2)	4010049-24
1	1	1	1	1	1			1	1	1	1	Head Assembly, 2 track, reproduce		1815110-01
		1	1			1	1	1	1	1	1	Head Assembly, 4 track, reproduce		1815112-01
1	1	1	1	1	1			1	1			Head Assembly, 2 track, record		1815110-02
						1	1			1	1	Head Assembly, 4 track, record		1815112-02
1	1	1	1	1	1			1	1			Head Assembly, two track, erase		1815111-01
						1	1			1	1	Head Assembly, four track, erase		1815112-03
1	1	1	1			1	1	1	1	1	1	Tape Tr. Assy, 7-1/2 & 15 ips, 50 Hz		4020261-02
				1	1	1	1	1	1	1	1	Tape Tr. Assy, 3-3/4 & 7 1/2 ips, 60 Hz		4020261-04
1	1	1	1	1	1	1	1	1	1	1	1	Electronic assembly, Domestic, NAB		4020256-01
1	1	1	1	1	1	1	1	1	1	1	1	Electronic assembly, INT'L, NAB		4020256-03
	1		1		1		1		1		1	Guard assembly, tape transport		4040640-10
		1	1					1	1	1	1	Switch assembly, 2 & 4 track		4050426-01
1	1	1	1	1	1	1	1	1	1	1	1	Cable, Interconnecting		4050430-01
1	1			1	1	1	1					Plug Button		4100142-01
2	2	2	2	2	2	2	2	2	2	2	2	Knob, reel hold down		4130028-20
1		1		1		1		1		1		Case, Portable		4150231-01
		1	1					1	1	1	1	Insulation, head switch		4170267-10
		1	1					1	1	1	1	Shaft, switch		4210216-01
		1	1					1	1	1	1	Retainer, wire		4320115-10
2	2	2	2	2	2	2	2	2	2	2	2	Transformer, input, bridging		4580200-01
1	1	1	1	1	1	1	1	1	1	1	1	Reel, 7-inch		4690069-10
1	1	1	1	1	1	1	1	1	1	1	1	Instruction Manual		4890169
1	1	1	1	1	1	1	1	1	1	1	1	Cord Set		084-027
2	2	2	2	2	2	2	2	2	2	2	2	Connector, plug, female, XL-3-11		144-003
4	4	4	4	4	4	4	4	4	4	4	4	Connector, plug, male, XL-3-12		145-009
		1	1					1	1	1	1	Clamp, cable		302-049
	4		4		4		4		4		4	Clip, cable		302-203
1	1	1	1	1	1	1	1	1	1	1	1	Tape, blank, 1200 ft., 1-1/2 mil Mylar		763-191
2	2	2	2	2	2	2	2	2	2	2	2	Fuse, 3/4 amp, 250V, slo-blo		070-081
Miscellaneous hardware														
Note 1. Records, reproduces & erases two track, plus reproduces four track.														
Note 2. Records, reproduces & erases four track, plus reproduces two track.														

MODEL AG-500
Two Channel, 50 Hz
CCIR Equalization

-25	-26	-27	-28	-29	-30	-31	-32	-33	-34	-35	-36	DESCRIPTION	Ampex Part No.
X												7-1/2 & 15 ips, two track, cased	4010049-25
	X											7-1/2 & 15 ips, two track, uncased	4010049-26
		X										7-1/2 & 15 ips, 2 tr., & 4 tr., cased	4010049-27
			X									7-1/2 & 15 ips, 2 tr., & 4 tr., uncased	4010049-28
				X								3-3/4 & 7-1/2 ips, two track, cased	4010049-29
					X							3-3/4 & 7-1/2 ips, two track, uncased	4010049-30
						X						3-3/4 & 7-1/2 ips, four track, cased	4010049-31
							X					3-3/4 & 7-1/2 ips, four track, uncased	4010049-32
								X				3-3/4 & 7-1/2 ips, 2 tr., & 4 tr., cased	4010049-33
									X			3-3/4 & 7-1/2 ips, 2 tr., & 4 tr., uncased	4010049-34
										X		3-3/4 & 7-1/2 ips, 4 tr., & 2 tr., cased	4010049-35
											X	3-3/4 & 7-1/2 ips, 4 tr., & 2 tr., uncased	4010049-36
1	1	1	1	1	1			1	1	1	1	Head Assembly, 2 track, reproduce	1815110-01
		1	1			1	1	1	1	1	1	Head Assembly, 4 track, reproduce	1815112-01
1	1	1	1	1	1			1	1			Head Assembly, 2 track, record	1815110-02
						1	1			1	1	Head Assembly, 4 track, record	1815112-02
1	1	1	1	1	1			1	1			Head Assembly, 2 track, erase	1815111-01
						1	1			1	1	Head Assembly, 4 track, erase	1815112-03
1	1	1	1									Tape Tr. Assy, 7-1/2 & 15 ips, 50 Hz	4020261-02
				1	1	1	1	1	1	1	1	Tape Tr. Assy, 3-3/4 & 7 1/2 ips, 50 Hz	4020261-04
1	1	1	1	1	1	1	1	1	1	1	1	Electronic Assy, Domestic, CCIR	4020256-02
				1	1			1	1	1	1	Electronic Assy, INT'L, CCIR	4020256-04
		1	1		1		1		1		1	Guard Assembly, Tape Transport	4040640-10
		1	1					1	1	1	1	Switch Assembly, 2 & 4 track	4050426-01
1	1	1	1	1	1	1	1	1	1	1	1	Cable, Interconnecting	4050430-01
1	1			1	1	1	1					Plug Button	4100142-01
2	2	2	2	2	2	2	2	2	2	2	2	Knob, reel hold down	4130028-20
1		1		1		1		1		1		Case, Portable	4150231-01
		1	1					1	1	1	1	Insulation, head switch	4170267-10
		1	1					1	1	1	1	Shaft, switch	4210216-01
		1	1					1	1	1	1	Retainer, wire	4320115-10
2	2	2	2	2	2	2	2	2	2	2	2	Transformer, input, bridging	4580200-01
1	1	1	1	1	1	1	1	1	1	1	1	Reel, 7-inch	4690069-10
1	1	1	1	1	1	1	1	1	1	1	1	Instruction Manual	4890169
1	1	1	1	1	1	1	1	1	1	1	1	Cord Set	084-027
2	2	2	2	2	2	2	2	2	2	2	2	Connector, plug, female, XL-3-11	144-003
4	4	4	4	4	4	4	4	4	4	4	4	Connector, plug, male, XL-3-12	145-009
		1	1					1	1	1	1	Clamp, cable	302-049
		4	4		4		4		4		4	Clip, cable	302-203
1	1	1	1	1	1	1	1	1	1	1	1	Tape, blank, 1200 ft., 1-1/2 mil Mylar	763-191
2	2	2	2	2	2	2	2	2	2	2	2	Fuse, 3/4 amp, 250V, slo-blo	070-081
Miscellaneous hardware													
Note 1. Records, reproduces & erases two track, plus reproduces four track.													
Note 2. Records, reproduces & erases four track, plus reproduces two track.													

TAPE TRANSPORT ASSEMBLY
Catalog No. 4020061

Item	Fig. No.	-01	-02	-03	-04	-08	-09	DESCRIPTION	Ref. No.	Ampex Part No.
		X						7-1/2 & 15 ips, 60 Hz, Domestic		4020061-01
			X					7-1/2 & 15 ips, 50 Hz, International		4020061-02
				X				3-3/4 & 7-1/2 ips, 60 Hz, Domestic		4020061-03
					X			3-3/4 & 7-1/2 ips, 50 Hz, International		4020061-04
						X		15/16 & 1-7/8 ips, 60 Hz, Domestic		4020061-08
							X	15/16 & 1-7/8 ips, 50 Hz, International		4020061-09
1	-	1	1	1	1	1	1	Oil Kit		4010825-02
2	7-10	1		1		1		Control Box Assembly (see separate parts list)		4020076-01
3	7-10		1		1		1	Control Box Assembly (see separate parts list)		4020076-02
4	7-10			1		1		Shift Arm Assembly (up to 7-1/2 ips, 60 Hz)		4030263-01
5	7-10	1						Shift Arm Assembly (7-1/2 & 15 ips, 60 Hz)		4030263-02
6	7-10				1		1	Shift Arm Assembly (up to 7-1/2 ips, 50 Hz)		4030263-03
7	7-10		1					Shift Arm Assembly (7-1/2 & 15 ips, 50 Hz)		4030263-04
7	7-11	1	1	1	1	1	1	Arm, speed shift		4040484-10
2	7-11	1	1	1	1	1	1	Bushing, retaining		4020137-20
3	7-11	1	1	1	1	1	1	Bushing, guide		4200138-10
4	7-11	2	2	2	2	2	2	Bearing, Snap-in		422-998
5	7-11				1		1	Fork, Shift, 3-3/4 & 7-1/2 ips, 50 Hz		4230119-10
5	7-11	1				1		Fork, Shift, 7-1/2 & 15 ips, 60 Hz		4230120-10
5	7-11			1				Fork, Shift, 3-3/4 & 7-1/2 ips, 60 Hz		4230121-10
5	7-11							Fork, Shift, 7-1/2 & 15 ips, 50 Hz		4230183-10
6	7-11	1	1	1	1	1	1	Housing		4290324-10
7	7-11	1	1	1	1	1	1	Clevis Pin		4160120-10
8	7-11	1	1	1	1	1	1	Roller		4040483-10
9	7-11	1	1	1	1	1	1	Spring, roller		4270183-10
-	-	2	2	2	2	2	2	Cushion		4130128-10
8	7-10	2	2	2	2	1	1	Clutch Assembly		4030077-20
-	-	1	1	1	1	1	1	End shield (bell)		4290323-10
-	-	1	1	1	1	1	1	Belt, clutch		4310052-20
-	-	1	1	1	1	1	1	Cable cap, white	J111P, J114P	169-996
-	-	2	2	2	2	2	2	Solderless connector (for cable cap)		169-993
9	7-9	1	1	1	1	1	1	Head Cover Assembly		4030104-30
-	-	1	1	1	1	1	1	Shield, head cover		4290235-20
-	-	1	1	1	1	1	1	Hinge assembly		4040371-10
-	-	2	2	2	2	2	2	Bumper, rubber		250-007
-	-	1	1	1	1	1	1	Cam, tape lift return		4230169-01
-	-	2	2	2	2	2	2	Washer, nylon		4440232-10
-	-	1	1	1	1	1	1	Head Cover		4040585-20
10	7-9	1	1	1	1	1	1	Head Base Assembly		4030105-50
1	7-12	4	4	4	4	4	4	Base Assembly, head mounting		4040692-10
2	7-12	1	1	1	1	1	1	Handle, Tape Lifter		4120051-10
3	7-12	2	2	2	2	2	2	Tape Guide		4210170-10
4	7-12	2	2	2	2	2	2	Spring, tape guide return		4270169-10
5	7-12	2	2	2	2	2	2	Spring, tape guide detent		4270170-10
6	7-12	8	8	8	8	8	8	Spring, head mounting angle		4270171-10
7	7-12	1	1	1	1	1	1	Base, Head		4330132-10
8	7-12	4	4	4	4	4	4	Plate, bottom, head base		4330133-10
12	7-10	1	1	1	1	1	1	Brake Assembly (takeup)		4030170-30
13	7-10	1	1	1	1	1	1	Brake Assembly (rewind)		4030170-40
1	7-13	1	1	1	1	1	1	Brake Stop Arm Assembly		4040336-01
2	7-13	1	1	1	1	1	1	Brake Arm (takeup)		4040485-03
3	7-13	1	1	1	1	1	1	Brake Arm (rewind)		4040485-04
4	7-13	1	1	1	1	1	1	Bracket, Mounting (takeup)		4040568-02
5	7-13	1	1	1	1	1	1	Bracket, Mounting (rewind)		4040568-01
6	7-13	1	1	1	1	1	1	Sleeve, chafing		4200139-01
8	7-13	1	1	1	1	1	1	Actuator, brake		4230182-02
9	7-13	1	1	1	1	1	1	Spring		4270058-10
10	7-13	1	1	1	1	1	1	Spring, high torque		4270184-01
11	7-13	1	1	1	1	1	1	Spring, low torque		4270185-01
12	7-13	2	2	2	2	2	2	Spring, solenoid return		4270195-01
13	7-13	2	2	2	2	2	2	Washer, thrust		4440251-01
14	7-13	1	1	1	1	1	1	Solenoid	K103, K104	4590018-10
16	7-13	1	1	1	1	1	1	Spring, anchor		4230174-02
17	7-13	1	1	1	1	1	1	Pad, self adhesive		4130167-02
22	7-13	1	1	1	1	1	1	Cable Cap, white (rewind)	J112P	169-988
23	7-13	1	1	1	1	1	1	Cable Cap, red (takeup)	J113P	169-989
24	7-13	3	3	3	3	3	3	Solderless Connector (for cable cap)		169-993
35	7-13	2	2	2	2	2	2	Disk, felt, brown		503-025

TAPE TRANSPORT ASSEMBLY (Cont.)
Catalog No. 4020061

Item	Fig. No.	-01	-02	-03	-04	-08	-09	DESCRIPTION	Ref. No.	Ampex Part No.
14	7-10	1	1	1	1	1	1	Belt Separator Assembly		4030183-10
1	7-14	1	1	1	1	1	1	Pulley, separator		4030184-01
2	7-14	2	2	2	2	2	2	Bushing, separator		4200140-01
3	7-14	1	1	1	1	1	1	Shaft, separator		4210231-01
4	7-14	1	1	1	1	1	1	Bracket, crossed belt		4260229-01
7	7-14	1	1	1	1	1	1	Washer, retainer		4440276-10
8	7-14	3	3	3	3	3	3	Washer, idler thrust		4440277-10
11	7-14	1	1	1	1	1	1	Ring, retaining		430-076
15	7-10			1	1			Capstan Assembly, 3-3/4 & 7-1/2 ips		4030261-01
16	7-10	1	1					Capstan Assembly, 7-1/2 & 15 ips		4030261-02
17	7-10					1	1	Capstan Assembly, 15/16 & 3-3/4 ips		4030261-03
1	7-15	1	1	1	1			Capstan Idler Assembly		4030141-10
1	7-15					1	1	Capstan Idler Assembly		4030191-10
2	7-15	1	1	1	1	1	1	Cap Assembly, capstan idler		4040476-10
3	7-15	1	1	1	1	1	1	Stop, solenoid		4220158-10
6	7-15	1	1	1	1	1	1	Eye Bolt		4400523-10
8	7-15	1	1	1	1	1	1	Spring, solenoid adjusting		4270162-10
9	7-15	1	1	1	1	1	1	Spring, solenoid return		4270190-10
10	7-15	1	1	1	1	1	1	Washer, felt		503-041
12	7-15	1	1	1	1	1	1	Solenoid, capstan	K105	4590090-10
J117P	7-15	1	1	1	1	1	1	Cable cap, blue	J117P	169-994
-	-	3	3	3	3	3	3	Solderless Connector (for cable cap)		169-993
13	7-15	1	1	1	1	1	1	Hub Assembly, belt idler		4030182-10
14	7-15	1	1	1	1	1	1	Shaft, belt idler		4210230-10
20	7-15	3	3	3	3	3	3	Washer, idler thrust		4440277-10
21	7-15	1	1	1	1	1	1	Washer, retainer		4440276-10
22	7-15	2	2	2	2	2	2	Ball, 0.125 dia.		420-034
23	7-15	1	1	1	1	1	1	Ring, retainer		430-076
24	7-15			1	1	1	1	Flywheel Assembly		4040331-10
24	7-15	1	1					Flywheel Assembly		4040329-10
29	7-15	1	1	1	1	1	1	Arm, belt idler		4230193-10
32	7-15	1	1	1	1	1	1	Collar, belt idler		4220184-10
33	7-15	1	1	1	1	1	1	Spring, torsion		4270182-10
34	7-15	1	1	1	1	1	1	Ring, retainer		430-157
36	7-15	1	1	1	1			Housing, capstan		4030186-10
36	7-15					1	1	Housing, capstan		4030186-20
18	7-10	1						Motor Drive Assembly (7-1/2 & 15 ips, 60 Hz)		4040326-70
19	7-10		1					Motor Drive Assembly (7-1/2 & 15 ips, 50 Hz)		4040326-80
20	7-10			1				Motor Drive Assembly (3-3/4 & 7-1/2 ips, 60 Hz)		4040326-50
21	7-10				1			Motor Drive Assembly (3-3/4 & 7-1/2 ips, 50 Hz)		4040326-60
27	7-10					1		Motor Drive Assembly (15/16 & 1-7/8 ips, 60 Hz)		4040653-30
28	7-10						1	Motor Drive Assembly (15/16 & 1-7/8 ips, 50 Hz)		4040653-40
-	-	1	1	1	1	1	1	Shield Assembly, Drive Motor		4040472-20
-	-	1	1	1	1	1	1	Capacitor Assembly, 3 mfd.,	C107	4040487-30
-	-	1	1	1	1	1	1	Safety Boot		032-082
-	-	2	2	2	2	2	2	Solderless Connector		169-993
-	-	1		1				Motor, drive, 60 Hz		4590086-60
-	-		1		1			Motor, drive, 50 Hz		4590087-60
-	-							Motor, drive, 60 Hz		4590094-60
-	-						1	Motor, drive, 50 Hz		4590095-60
-	-				1			Pulley	Note 1	4040328-40
-	-	1						Pulley	Note 1	4040327-30
-	-		1					Pulley	Note 1	4040327-40
-	-			1				Pulley	Note 1	4040328-30
-	-					1		Pulley	Note 1	4040652-30
-	-						1	Pulley	Note 1	4040652-40
-	-	1	1	1	1	1	1	Cable Cap, orange	J109P	169-995
-	-	6	6	6	6	4	4	Solderless Connectors (for cable cap)		169-993
24	7-9	1	1	1	1	1	1	Arm Assembly, tape tension		4040379-20
26	7-9	2	2	2	2	2	2	Turntable Assembly		4040481-10
30	7-10	1	1	1	1	1	1	Bracket, chassis mounting		4040989-01
31	7-9	1	1	1	1	1	1	Button, speed shift arm		4100123-40
35	7-9	2	2	2	2	2	2	Pad, turntable		4130141-10
36	7-9					1	1	Counter, four digit		4140017-10
38	7-10	1	1	1	1	1	1	Insulator, capstan solenoid		4170216-10
40	7-9	1	1	1	1	1	1	Cylinder, safety switch		4210209-10
41	7-9	1	1	1	1	1	1	Tape Guide		4210210-10

TAPE TRANSPORT ASSEMBLY (Cont.)
Catalog No. 4020061

Item	Fig. No.	-01	-02	-03	-04	-08	-09	DESCRIPTION		
42	7-9	2	2	2	2	2	2	Spacer, turntable		4220175-01
44	7-10	1	1	1	1	1	1	Cam, safety switch		4230156-20
45	7-9	2	2	2	2	2	2	Plate, turntable		4250123-10
49	7-10	1	1	1	1	1	1	Fan, motor		4250144-10
50	7-9					1	1	Pulley, position indicator		4250186-10
51	7-10	1	1	1	1	1	1	Bracket, support, control box		4260200-10
52	7-9	1	1	1	1	1	1	Spring, escutcheon		4270181-10
53	7-10	1		1		1		Spring, safety switch, 60 Hz		4270187-10
54	7-10		1		1		1	Spring, safety switch, 50 Hz		4270206-01
55	7-10	1	1	1	1	1	1	Front Panel, control box		4290243-10
56	7-9					1	1	Housing, counter		4290534-20
58	7-10					1	1	Clutch Assembly (modified)		4290536-10
63	7-9	1	1	1	1	1	1	Base Head Shield		4330101-20
64	7-9					1	1	Base Plate, position indicator		4330221-10
65	7-9	9	9	9	9	9	9	Washer		4440249-30
66	7-10	a/r	a/r	a/r	a/r	a/r	a/r	Washer, shim, 1/64 Lamicoid		4440264-10
67	7-10	a/r	a/r	a/r	a/r	a/r	a/r	Washer, shim, 1/32 Lamicoid		4440264-20
68	7-9	1	1	1	1	1	1	Screw		4400524-10
70	7-10	1	1	1	1	1	1	Belt, capstan drive, polyurethane		4310065-01
74	7-10	2	2	2	2	2	2	Solderless connectors		171-354
75	7-10	1	1	1	1	1	1	Pin, flat head, 0.124 dia.		408-011
76	7-10	3	3	3	3	3	3	Cable clamp		302-053
77	7-9					1	1	O-ring, position indicator		432-016
93	7-9	4	4	4	4	4	4	Screw, headless, 8-32 x 1/4		477-041
94	7-9	1	1	1	1	1	1	Screw, set, 6-32 x 3/16		477-060
95	7-9					1	1	Screw, set, 6-32 x 1/8		477-114
96	7-10	1	1	1	1	1	1	Screw, set, 10-32 x 3/16		477-127
99	7-9	a/r	a/r	a/r	a/r	a/r	a/r	Washer, shim, brass		501-114
104	7-9	1	1	1	1	1	1	Washer, nylon cup, black		503-320
109	7-10	1	1	1	1	1	1	Ring, retaining		430-218
110	7-10	a/r	a/r	a/r	a/r	a/r	a/r	Washer, .032, Lamicoid		4440025-60

NOTE 1
Pulley and motor not available
separately.

TAPE TRANSPORT CONTROL BOX ASSEMBLY
Catalog No. 4020076

Ref. No.	-01	-02	DESCRIPTION	Ampex Part No.
	X		Domestic, 60 Hz	4020076-01
		X	International, 50 Hz	4020076-02
	1		Bracket, pushbutton, assembly	4030178-01
		1	Bracket, pushbutton, assembly	4030178-02
	1	1	Button, push, subassembly (STOP)	4030100-01
	1	1	Button, push, subassembly (PLAY)	4030100-02
	1	1	Button, push, subassembly (REWIND)	4030100-03
	1	1	Button, push, subassembly (FORWARD)	4030100-04
	1	1	Button, push, subassembly (RECORD)	4030100-11
	1	1	Bracket, pushbutton	4260153-01
	1	1	Spring, alignment	4270150-01
	3	3	Switch, pushbutton, n.o. (S101, S103, S107)	4620144-10
	1	1	Switch, pushbutton, n.c. (S105)	4620144-20
	1	1	Switch, pushbutton, n.o. (S102)	4620144-30
		1	Switch, toggle, dpst (S106)	120-987
	1		Switch, toggle, spst (S106)	120-999
	1		Chassis Assembly	4040359-10
		1	Chassis Assembly	4040359-20
		1	Cover Plate Assembly	4040949-01
	1		Cover Plate Assembly	4040948-01
	1	1	Connector, female, 10 contact (J116S, Remote)	146-018
	1	1	Connector, male, 3 contact (J118P, Power)	147-396
	1	1	Dummy plug (J115P)	4050101-10
	1	1	Pad, toggle switch	4130103-01
	1	1	Insulator, toggle switch	4170204-10
	1	1	Bracket, mounting, safety switch	4260156-01
	2	2	Relay (K101, K102)	4590050-10
C101	-	-	(not used)	
C102	-	-	(not used)	
C103	2	2	Capacitor, ceramic disc; .02 mfd, 500 vdcw	030-001
C104	3	3	Capacitor, mylar; 0.1 mfd, $\pm 10\%$, 400 vdcw	035-999
C105	x	x	(Same as C104)	
C106	x	x	(Same as C104)	
C107			Listed with drive motor assembly, tape transport	
C108	1	1	Capacitor, electrolytic; 150 mfd, -10+100%, 180 vdcw	031-624
C109	2	2	Capacitor, paper; .0047 mfd, $\pm 20\%$, 600 vdcw	035-028
C110	x	x	(Same as C109)	
C111	-	-	(not used)	
C112	1	1	Capacitor, paper; 1 mfd, -10+20%, 600 vdcw	036-023
C113	x	x	(Same as C103)	
CR101	-	-	(not used)	
CR102	8	8	Diode, rectifier, silicon; IN2363	580-027
CR103	x	x	(Same as CR102)	
CR104	x	x	(Same as CR102)	
CR105	x	x	(Same as CR102)	
CR106	x	x	(Same as CR102)	
CR107	x	x	(Same as CR102)	
CR108	x	x	(Same as CR102)	
CR109	x	x	(Same as CR102)	
F101	1	2	Fuse, slo-blo, 1-1/2 amp.	070-993
F102	-	x	(Same as F101, International unit)	
J101S	1	1	Plug, chassis, 6 way, orange	169-998
J102S	2	2	Plug, chassis, 6 way, white	169-999
J103S	x	x	(Same as J102S)	
J104S	1	1	Plug, chassis, 6 way, blue	169-997
J105S	2	2	Plug, chassis, 3 way, white	169-987
J106S	1	1	Plug, chassis, 3 way, red	169-990
J107	-	-	(not used)	
J108S	x	x	(Same as J105S)	
J109P			Listed with drive motor assembly, tape transport.	
J110S	1	1	Connector, receptacle, female; 10 sockets	144-058
J111P			Listed with clutch assembly, tape transport	
J112P			Listed with brake assembly, tape transport	
J113P			Listed with brake assembly, tape transport	
J114P			Listed with clutch assembly, tape transport	
J115P			Dummy plug (listed above)	

TAPE TRANSPORT CONTROL BOX ASSEMBLY
Catalog No. 4020076

Ref. No.	-01	-02	DESCRIPTION	Ampex Part No.
J116S			Listed with cover plate assembly above	
J117P			Listed with capstan assembly, tape transport	
J118P			Listed with cover plate assembly above	
J119S	1	-	Connector, Female, 2 sockets, AC Convenience	146-999
R101	-	-	(not used)	
R102	3	3	Resistor, fixed, comp; 100 ohms, $\pm 10\%$, 1/2W	041-038
R103	x	x	(Same as R102)	
R104	x	x	(Same as R102)	
R105	-	-	(not used)	
R106	2	2	Resistor, adjustable, wirewound; 900 ohms, $\pm 5\%$, 30W	040-045
R107	x	x	(Same as R106)	
R108	-	-	(not used)	
R109	1	1	Resistor, fixed, wirewound; 30 ohms, $\pm 5\%$, 30W	047-360
S104	1	2	Switch, safety, micro (All other switches listed with pushbutton bracket assembly, above)	120-138
	1	2	Fuse Holder	085-001
	1	2	Actuator, safety switch	094-012
	1	2	Insulator, safety switch	120-262
	13	12	Solderless contacts, for chassis plugs	169-993

ELECTRONIC ASSEMBLY
Catalog No. 4020256

Item	Fig. No.	-01	-02	-03	-04	-05	-06	DESCRIPTION	Ref. No.	Ampex Part No.
		X						Domestic, NAB Equalization, 3-3/4 & 15 ips		4020256-01
			X					Domestic, CCIR Equalization, 3-3/4 & 15 ips		4020256-02
				X				International, NAB Equalization, 3-3/4 & 15 ips		4020256-03
					X			International, CCIR Equalization, 3-3/4 & 15 ips		4020256-04
						X		Domestic, 15/16 & 1-7/8 ips		4020256-05
							X	International, 15/16 & 1-7/8 ips		4020256-06
1	7-16	1	1	1	1	1	1	Cover plate, decorative		4040932-01
2	7-16	1	1					Panel Assembly, rear, Domestic, 3-3/4 & 15 ips		4050249-01
20	7-16					1		Panel Assembly, rear, Domestic, 15/16 & 1-7/8 ips		4050249-02
3	7-16			1	1			Panel Assembly, rear, International, 3-3/4 & 15 ips		4050250-01
21	7-16						1	Panel Assembly, rear, International, 15/16 & 1-7/8 ips		4020250-02
1	7-17	1	1			1		Panel, rear, subassembly		4040892-01
1	7-18			1	1		1	Panel, rear, subassembly		4040717-01
-	-	1	1	1	1	1	1	Connector, receptacle, male, 10 pins		147-014
-	-	2	2	2	2	2	2	Socket, electron tube, octal		150-023
-	-			1	1		1	Switch, slide, DPDT		120-510
-	-			1	1		1	Bracket, transformer		4260397-01
3	7-17 & 18	1	1	1	1	1	1	Potentiometer, 25 ohms	R62	4520149-10
4	7-17 & 18	2	2	2	2			Potentiometer, 50,000 ohms	R47, R48	4520151-01
5	7-17 & 18	2	2	2	2			Potentiometer, 2.5 megohms		4520151-02
6	7-17 & 18	1	1	1	1	1	1	Capacitor, 4 sections, 500-500-200-200 mfd, 25vdcw	C30	4550147-01
7	7-17 & 18	1	1	1	1	1	1	Capacitor, 2 sections, 1000-500 mfd, 35 vdcw	C29	4550147-02
8	7-17	1	1			1		Transformer, power	T3	4580194-01
8	7-18			1	1		1	Transformer, power	T3	4580195-01
9	7-17 & 18	2	2	2	2	2	2	Diode, rectifier, large signal	CR2, CR3	013-678
10	7-17 & 18	1	1	1	1	1	1	Diode, zener	VR1	013-712
11	7-17 & 18	1	1	1	1	1	1	Transistor, NPN, silicon, 40250	Q15	014-587
12	7-17 & 18	2	2	2	2	2	2	Capacitor, electrolytic; 1 mfd, 25 vdcw	C23, C24	031-294
13	7-17 & 18	2	2	2	2	1	1	Capacitor, mylar; .01 mfd, $\pm 5\%$, 100 vdcw	C21, C33	035-732
14	7-17 & 18	1	1	1	1	1	1	Resistor, fixed, comp; 120 ohms, $\pm 10\%$, 1/2w	R57	041-039
15	7-17 & 18	2	2	2	2	2	2	Resistor, fixed, comp; 220 ohms, $\pm 10\%$, 1/2w	R60, R61	041-040
16	7-17 & 18	2	2	2	2			Resistor, fixed, comp; 100,000 ohms, $\pm 10\%$, 1/2w	R65, R66	041-072
17	7-17	1	1			1		Fuse, fast blo, 1/4 amp, 250V		070-006
18	7-17	1	1			1		Fuse Extractor Post		085-001
19	7-17									
17	7-18	3	3	3	3	3	3	Connector, telephone jack	J1, J8, J9	143-127
20	7-17									
18	7-18	2	2	2	2	2	2	Connector, audio receptacle, 3 sockets	J4, J6	146-998
21	7-17									
19	7-18	1	1	1	1	1	1	Connector, audio receptacle, 3 pins	J3	147-999
30	7-17									
28	7-18	2	2	2	2	2	2	Washer, shoulder, #8		503-013
33	7-17									
31	7-18	1	1	1	1	1	1	Washer, flat, nylon		503-030
34	7-17									
32	7-18	1	1	1	1	1	1	Washer, shoulder, fiber		503-032
47	7-17									
46	7-18					3	3	Resistor, fixed, comp; 10,000 ohms, $\pm 5\%$, 1/2w	R48, R63, R66	041-014
48	7-17									
47	7-18					1	1	Resistor, fixed, comp; 15,000 ohms, $\pm 5\%$, 1/2w	R65	041-254
49	7-17									
48	7-18					1	1	Resistor, fixed, comp; 1,000 ohms, $\pm 5\%$, 1/2w	R47	041-245
50	7-17									
49	7-18					1	1	Resistor, fixed, comp; 220,000 ohms, $\pm 5\%$, 1/2w	R46	041-027
51	7-17									
50	7-18					1	1	Capacitor, mica; 150 pfd, 500 vdcw	C33	034-213
52	7-17									
51	7-18					1	1	Capacitor, mylar; .018 mfd, 100 vdcw	C32	055-028
53	7-17									
52	7-18					4	4	Plug Button		251-013
60	7-17 & 18					1	1	Inductor, 1.2 millihenry		051-336
4	7-16	1	1	1	1			Panel Assembly, front (3-3/4 & 15 ips)		4050401-01
22	7-16					1	1	Panel Assembly, front (15/16 & 1-7/8 ips)		4050401-02
1	7-19	1	1	1	1	1	1	Panel and Bracket Assembly		4040920-01
2	7-19	1	1	1	1	1	1	Bracket Assembly, Equalization		4050121-01
-	-	1	1	1	1	1	1	Bracket		4260394-01
-	-	1	1	1	1	1	1	Shield, resistor		4600145-01
-	-	1	1	1	1	1	1	Resistor, var., comp; 50,000 ohms, $\pm 20\%$, 1/4w	R50	4520151-01

ELECTRONIC ASSEMBLY (Cont.)
Catalog No. 4020256

Item	Fig. No.	-01	-02	-03	-04	-05	-06	DESCRIPTION	Ref. No.	Ampex Part No.
-	-	1	1	1	1	1	1	Capacitor, var. 25 pfd to 280 pfd, 350 vdcw	C25	4540314-01
-	-	2	2	2	2	2	2	Capacitor, var. 50 pfd to 380 pfd, 350 vdcw	C26, C27	4540314-02
4	7-19	1	1	1	1	1	1	Jewel, pilot light, red		4110258-02
5	7-19	1	1	1	1	1	1	Escutcheon, meter window		4110261-01
6	7-19	1	1	1	1	1	1	Meter, vu	M1	4140019-01
7	7-19	1	1	1	1	1	1	Panel, facing		4290609-01
8	7-19	1	1	1	1	1	1	Transformer, output	T2	4580193-01
9	7-19	1	1	1	1	1	1	Lamp, pilot	DS1	4610081-01
10	7-19	2	2	2	2	2	2	Switch, Selector	S2, S4	4620196-02
11	7-19	3	3	3	3	3	3	Knob, pointer, black		6000005-20
12	7-19	3	3	3	3	3	3	Knob, skirted, black		6000006-20
13	7-19	1	1	1	1	1	1	Capacitor, electrolytic; 500 mfd, 15 vdcw	C22	031-297
14	7-19	1	1	1	1	1	1	Capacitor, mica; 2500 pfd, $\pm 5\%$, 500 vdcw	C28	034-994
15	7-19	1	1	1	1	1	1	Resistor, fixed, comp; 220 ohms, $\pm 10\%$, 1/2w	R52	041-040
16	7-19	1	1	1	1	1	1	Resistor, fixed, comp; 470 ohms, $\pm 10\%$, 1/2w	R58	041-044
17	7-19	1	1	1	1	1	1	Resistor, fixed, comp; 18,000 ohms, $\pm 10\%$, 1/2w	R56	041-063
18	7-19	1	1	1	1	1	1	Resistor, fixed, comp; 47,000 ohms, $\pm 10\%$, 1/2w	R51	041-068
19	7-19	2	2	2	2	2	2	Resistor, var, comp; 100,000 ohms, $\pm 10\%$, 2w	R54, R55	044-015
20	7-19	1	1	1	1	1	1	Resistor, var, comp; 25,000 ohms, $\pm 10\%$, 2w	R49	044-360
21	7-19	1	1	1	1	1	1	Switch, rotary, SPDT, non-shorting	S3	122-016
22	7-19	1	1	1	1	1	1	Jack, phone	J2	148-015
30	7-19	1	1	1	1	1	1	Speednut, push-on		497-010
48	7-19					1	1	Capacitor, mica; 100 pfd, 500 vdcw	C31	034-140
5	7-16	1	1	1	1	1	1	Printed Wiring Board Assembly, Reproduce (see Figs. 7-5 thru 7-8)		4050403-01
C1	-	1	1	1	1	1	1	Capacitor, tantalum; 10 mfd, $\pm 20\%$, 6 vdcw		037-398
C2	-	1	1	1	1	1	1	Capacitor, mica; 390 pfd, $\pm 5\%$, 500 vdcw		034-288
C3	-	1	1	1	1	1	1	Capacitor, electrolytic; 100 mfd, 12 vdcw		031-191
C4	-	1	1	1	1	1	1	Capacitor, mica; 100 pfd, $\pm 5\%$, 500 vdcw		034-177
C5	-	4	4	4	4	4	4	Capacitor, tantalum; 15 mfd, $\pm 20\%$, 15 vdcw		037-446
C6	-	x	x	x	x	x	x	(Same as C5)		
C7	-	1	1	1	1	1	1	Capacitor, tantalum; 3.9 mfd, $\pm 20\%$, 25 vdcw		037-445
C8	-	x	x	x	x	x	x	(Same as C5)		
C9	-	x	x	x	x	x	x	(Same as C5)		
Q1	-	3	3	3	3	3	3	Transistor, NPN, silicon, low noise		014-698
Q2	-	x	x	x	x	x	x	(Same as Q1)		
Q3	-	2	2	2	2	2	2	Transistor, PNP, silicon		014-652
Q4	-	x	x	x	x	x	x	(Same as Q3)		
Q5	-	x	x	x	x	x	x	(Same as Q1)		
Q6	-	1	1	1	1	1	1	Transistor, NPN, silicon, 2N3706		014-585
Q7	-	1	1	1	1	1	1	Transistor, PNP, silicon, 300 mw		014-611
R1	-	1	1	1	1	1	1	Resistor, fixed, comp; 270,000 ohms, $\pm 10\%$, 1/2w		041-077
R2	-	1	1	1	1	1	1	Resistor, fixed, comp; 82,000 ohms, $\pm 10\%$, 1/2w		041-071
R3	-	1	1	1	1	1	1	Resistor, fixed, comp; 1,800 ohms, $\pm 10\%$, 1/2w		041-051
R4	-	2	2	2	2	2	2	Resistor, fixed, comp; 100,000 ohms, $\pm 10\%$, 1/2w		041-072
R5	-	1	1	1	1	1	1	Resistor, fixed, comp; 39,000 ohms, $\pm 10\%$, 1/2w		041-067
R6	-	1	1	1	1	1	1	Resistor, fixed, comp; 220 ohms, $\pm 10\%$, 1/2w		041-040
R7	-	x	x	x	x	x	x	(Same as R4)		
R8	-	2	2	2	2	2	2	Resistor, fixed, comp; 2,200 ohms, $\pm 10\%$, 1/2w		041-052
R9	-	1	1	1	1	1	1	Resistor, fixed, comp; 22,000 ohms, $\pm 10\%$, 1/2w		041-064
R10	-	1	1	1	1	1	1	Resistor, fixed, comp; 10,000 ohms, $\pm 10\%$, 1/2w		041-060
R11	-	1	1	1	1	1	1	Resistor, fixed, comp; 560,000 ohms, $\pm 10\%$, 1/2w		041-081
R12	-	x	x	x	x	x	x	(Same as R11)		
R13	-	1	1	1	1	1	1	Resistor, fixed, comp; 330,000 ohms, $\pm 10\%$, 1/2w		041-078
R14	-	2	2	2	2	2	2	Resistor, fixed, comp; 1,000 ohms, $\pm 10\%$, 1/2w		041-048
R15	-	1	1	1	1	1	1	Resistor, fixed, comp; 4,700 ohms, $\pm 10\%$, 1/2w		041-056
R16	-	1	1	1	1	1	1	Resistor, fixed, comp; 15,000 ohms, $\pm 10\%$, 1/2w		041-062
R17	-	x	x	x	x	x	x	(Same as R14)		
R18	-	x	x	x	x	x	x	(Same as R8)		
R19	-	1	1	1	1	1	1	Resistor, fixed, comp; 680 ohms, $\pm 10\%$, 1/2w		041-046
R20	-	1	1	1	1	1	1	Resistor, fixed, comp; 430 ohms, $\pm 5\%$, 1/2w		041-379
R21	-	2	2	2	2	2	2	Resistor, fixed, comp; 10 ohms, $\pm 10\%$, 1/2w		041-032
R22	-	x	x	x	x	x	x	(Same as R21)		
-	-	7	7	7	7	7	7	Socket, transistor		150-103

SEMICONDUCTOR CROSS REFERENCE

Ampex part number to JEDEC number

<u>Ampex part number</u>	<u>JEDEC number</u>
014-247 -----	2N2219
014-585 -----	2N3706
014-611 -----	2N3638
014-652 -----	*
014-658 -----	2N3565
014-698 -----	*

*Replace these parts with only the original type.

ELECTRONIC ASSEMBLY (Cont.)
Catalog No. 4020256

Item	Fig. No.	-01	-02	-03	-04	-05	-06	DESCRIPTION	Ref. No.	Ampex Part No.
6	7-16	1		1				Printed Wiring Board Assy, Record, NAB Equalization		4050404-01
7	7-16		1		1	1	1	Printed Wiring Board Assy, Record, CCIR Equalization		4050404-02
C10	-	2	2	2	2	2	2	Capacitor, tantalum; 3.9 mfd, $\pm 20\%$, 25 vdcw		037-445
C11	-	1		1				Capacitor, mylar; .081 mfd, $\pm 5\%$, 100 vdcw		055-105
C12	-	1	1	1	1	1	1	Capacitor, mylar; 0.1 mfd, $\pm 10\%$, 100 vdcw		055-106
C13	-	1	1	1	1	1	1	Capacitor, mica; 20 pf, $\pm 5\%$, 500 vdcw		034-944
C14	-	1	1	1	1	1	1	Capacitor, tantalum; 10 mfd, $\pm 20\%$, 6 vdcw		037-398
C15	-	1	1	1	1	1	1	Capacitor, mica; 500 pf, $\pm 5\%$, 300 vdcw		034-933
C16	-	x	x	x	x	x	x	(Same as C10)		
C17	-	1	1	1	1	1	1	Capacitor, mylar; 6800 pfd, $\pm 5\%$, 100 vdcw		055-103
C18	-	2	2	2	2	2	2	Capacitor, mylar; 5600 pfd, $\pm 5\%$, 100 vdcw		055-102
C19	-	x	x	x	x	x	x	(Same as C18)		
C20	-	1	1	1	1	1	1	Capacitor, mylar; 7500 pfd, $\pm 5\%$, 50 vdcw		055-212
CR1	-	1	1	1	1	1	1	Diode, silicon, small signal		013-599
L1		1	1	1	1	1	1	Inductor, fixed; 5 millihenry, $\pm 5\%$		051-342
Q8	-	1	1	1	1	1	1	Transistor, NPN, silicon, low noise, low level		014-698
Q9	-	2	2	2	2	2	2	Transistor, PNP, silicon		014-652
Q10	-	x	x	x	x	x	x	(Same as Q9)		
Q11	-	1	1	1	1	1	1	Transistor, PNP, silicon, 300 mw		014-611
Q12	-	3	3	3	3	3	3	Transistor, NPN, silicon, 800 mw		014-247
Q13	-	x	x	x	x	x	x	(Same as Q12)		
Q14	-	x	x	x	x	x	x	(Same as Q12)		
R23	-	2	2	2	2	2	2	Resistor, fixed, comp; 82,000 ohms, $\pm 10\%$, 1/2w		041-071
R24	-	x	x	x	x	x	x	(Same as R23)		
R25	-	1	1	1	1	1	1	Resistor, fixed, comp; 390,000 ohms, $\pm 10\%$, 1/2w		041-079
R26	-	2	2	2	2	2	2	Resistor, fixed, comp; 33,000 ohms, $\pm 10\%$, 1/2w		041-066
R27	-	1	1	1	1	1	1	Resistor, fixed, comp; 15,000 ohms, $\pm 10\%$, 1/2w		041-062
R28	-	1	1	1	1	1	1	Resistor, fixed, comp; 330 ohms, $\pm 10\%$, 1/2w		041-042
R29	-	2	2	2	2	2	2	Resistor, fixed, comp; 270,000 ohms, $\pm 10\%$, 1/2w		041-077
R30	-	2	1	2	1	1	1	Resistor, fixed, comp; 180,000 ohms, $\pm 5\%$, 1/2w		041-026
R31	-	x		x				(Same as R30)		
R32	-	2	2	2	2	2	2	Resistor, fixed, comp; 10,000 ohms, $\pm 10\%$, 1/2w		041-060
R33	-	3	3	3	3	3	3	Resistor, fixed, comp; 22,000 ohms, $\pm 10\%$, 1/2w		041-064
R34	-	x	x	x	x	x	x	(Same as R29)		
R35	-	x	x	x	x	x	x	(Same as R26)		
R36	-	2	2	2	2	2	2	Resistor, fixed, comp; 100,000 ohms, $\pm 10\%$, 1/2w		041-072
R37	-	x	x	x	x	x	x	(Same as R36)		
R38	-	x	x	x	x	x	x	(Same as R32)		
R39	-	1	1	1	1	1	1	Resistor, fixed, comp; 62 ohms, $\pm 5\%$, 1/2w		041-534
R40	-	2	2	2	2	2	2	Resistor, fixed, comp; 430 ohms, $\pm 5\%$, 1/2w		041-379
R41	-	x	x	x	x	x	x	(Same as R40)		
R42	-	2	2	2	2	2	2	Resistor, fixed, comp; 12 ohms, $\pm 5\%$, 1/2w		041-963
R43	-	x	x	x	x	x	x	(Same as R42)		
R44	-	x	x	x	x	x	x	(Same as R33)		
R45	-	x	x	x	x	x	x	(Same as R33)		
T1	1	1	1	1	1	1	1	Coil, oscillator		4580196-01
-	-	7	7	7	7	7	7	Sockets, Transistors		150-103
8	7-16	1	1	1	1	1	1	Chassis Electronics		4290613-01
9	7-16	1	1	1	1	1	1	Cover, chassis, top		4290615-01
10	7-16	1	1	1	1	1	1	Cover, chassis, bottom		4290628-01
11	7-16	1	1	1	1	1	1	Relay	K1	4590050-10
12	7-16	1	1	1	1	1	1	Shield, switch		4600144-02
13	7-16	1	1	1	1	1	1	Lamp, indicating	DS2	4610082-01
14	7-16	2	2	2	2	2	2	Capacitor, ceramic disc; .01 mfd, 500 vdcw	C34, C35	030-002
15	7-16	1	1	1	1	1	1	Resistor, fixed, comp; 100 ohms, $\pm 10\%$, 1/2w	R64	041-038
23	7-16	2	2	2	2	2	2	Dummy Plug Assembly		4030034-30
25	7-16	1	1	1	1	1	1	Shield, relay		4600147-01
36	7-16	1	1	1	1	1	1	Resistor, fixed, comp; 56 ohms, $\pm 5\%$, 1w		041-565