

SECTION 6
PARTS LIST

This Parts List provides all information necessary for ordering complete equipment or any replacement part. The list is divided as follows:

- 6.1 Complete Equipment
- 6.2 Tape Transport Mechanism
- 6.3 Electronic Assembly
- 6.4 Power Supply
- 6.5 Miscellaneous

Do not use schematic reference numbers when ordering parts. The Ampex Catalog Numbers are the exact designations for all parts used in Ampex equipment.

ALWAYS INCLUDE THE FOLLOWING INFORMATION WHEN ORDERING PARTS:

- Model Number of Machine
- Serial Number of Machine
- Ampex Catalog Number of Part
- Description of Part

Example: 475-17 Half Track Head Assembly for Model 350, Serial #53F147.

IMPORTANT: Read Section 4.6 on Replacement of Parts before disassembling any unit requiring a replacement part.

6.1 MODEL 350 (Complete Equipment)

**Ampex
Catalog
Number**

Rack Mount, 7-1/2" - 15", Full Track, 60 Cycle Power	5717
Rack Mount, 7-1/2" - 15", Half Track, 60 Cycle Power	5717-1
Rack Mount, 7-1/2" - 15", Full Track, 50 Cycle Power	5717-2
Rack Mount, 7-1/2" - 15", Half Track, 50 Cycle Power	5717-3
Rack Mount, 3-3/4" - 7-1/2", Full Track, 60 Cycle Power	5720
Rack Mount, 3-3/4" - 7-1/2", Half Track, 60 Cycle Power	5720-1
Rack Mount, 3-3/4" - 7-1/2", Full Track, 50 Cycle Power	5720-2
Rack Mount, 3-3/4" - 7-1/2", Half Track, 50 Cycle Power	5720-3
Console, 7-1/2" - 15", Full Track, 60 Cycle Power	5718
Console, 7-1/2" - 15", Half Track, 60 Cycle Power	5718-1
Console, 7-1/2" - 15", Full Track, 50 Cycle Power	5718-2
Console, 7-1/2" - 15", Half Track, 50 Cycle Power	5718-3
Console, 3-3/4" - 7-1/2", Full Track, 60 Cycle Power	5721
Console, 3-3/4" - 7-1/2", Half Track, 60 Cycle Power	5721-1
Console, 3-3/4" - 7-1/2", Full Track, 50 Cycle Power	5721-2
Console, 3-3/4" - 7-1/2", Half Track, 50 Cycle Power	5721-3
2 Case Portable, 7-1/2" - 15", Full Track, 60 Cycle Power	5719
2 Case Portable, 7-1/2" - 15", Half Track, 60 Cycle Power	5719-1
2 Case Portable, 7-1/2" - 15", Full Track, 50 Cycle Power	5719-2
2 Case Portable, 7-1/2" - 15", Half Track, 50 Cycle Power	5719-3
2 Case Portable, 3-3/4" - 7-1/2", Full Track, 60 Cycle Power	5722
2 Case Portable, 3-3/4" - 7-1/2", Half Track, 60 Cycle Power	5722-1
2 Case Portable, 3-3/4" - 7-1/2", Full Track, 50 Cycle Power	5722-2
2 Case Portable, 3-3/4" - 7-1/2", Half Track, 50 Cycle Power	5722-3

ORDER PARTS BY AMPEX CATALOG NUMBER ONLY!

Reference Number	Description	Ampex Catalog Number
6.2 TAPE TRANSPORT MECHANISM (Catalog #5700,-1,-2,-3)		
	Drive Motor Assembly (Complete) See Note 1	
	7-1/2 - 15 i.p.s. 60 Cycle Motor	6150
	7-1/2 - 15 i.p.s. 50 Cycle Motor	6151
	3-3/4 - 7-1/2 i.p.s. 60 Cycle Motor	5585
	3-3/4 - 7-1/2 i.p.s. 50 Cycle Motor	5778
	Takeup Assembly (Complete)	5704
	Takeup Motor Assembly Includes Motor, Mounting Flange, Brake Drum, and Turntable with Pad.	6768
	<u>Individually Replaceable Parts</u>	
	Brake Housing	317
	Brake Band Assembly (band & lining)	328
	Brake Band Leaves	720-1 & 720-2
K-505	Brake Solenoid	337
	Brake Tension Spring	322
	Turntable Pad	958
	Rewind Assembly (Complete)	5705
	Rewind Motor Assembly Includes Motor, Mounting Flange, Brake Drum, and Turntable with Pad.	6768
	<u>Individually Replaceable Parts</u>	
	Brake Housing	316
	Brake Band Assembly (band & lining)	328
	Brake Band Leaves	720-1 & 720-2
K-506	Brake Solenoid	337
	Brake Tension Spring	322
	Turntable Pad	958
	Takeup Tension Arm Assembly (Complete)	425
	<u>Individually Replaceable Parts</u>	
	Takeup Tension Arm Spring	422
	Tape Guide	675
	Tape Guide Hook	355
	Reel Idler Assembly (Complete) (Does not include Flywheel)	
	For 7-1/2" - 15" Machine	4459
	For 3-3/4" - 7-1/2" Machine	4459-3

Note 1: Replacement assemblies include one of the four motors listed, a motor condenser, flywheel, plug, and mounting adaptor (required for Bodine motors only). Use the motor catalog number only when ordering the complete assembly.

ORDER PARTS BY AMPEX CATALOG NUMBER ONLY!

Reference Number	Description	Ampex Catalog Number
	<u>Individually Replaceable Parts</u>	
	Tape Guide	257
	<u>Reel Idler Flywheel</u>	636
	<u>Capstan Idler (Wheel Assembly only)</u>	500
K-501	Capstan Idler Arm	372
	Capstan Idler Arm Bushing	5755
	Capstan Dust Cap	2667
	Capstan Dust Cap Felt Washer	3583
	Capstan Dust Cap Retaining Ring	OR-7
	Capstan Solenoid	670
	Capstan Solenoid Eye-Bolt	396-3
	Capstan Solenoid Stop	388
	Capstan Solenoid Felt Washer	PW-6-1/4-416-816
	Capstan Solenoid Pressure Spring	676
	Capstan Solenoid Return Spring	5757
		<u>Head Assembly (Complete)</u> (Includes all cables and plugs)
	With Half Track Heads	475-17
	With Full Track Heads	475-18
	<u>Individually Replaceable Parts</u>	
	Gate Spring	438
	Gate Pins	DR-2-3-10
	Glass Rod Tape Guides	457
	CONTROL CIRCUIT ASSEMBLY (See Note 2)	5703
C501	Drive Motor Start Condenser - supplied with Drive Motor - See Note 3.	
C502	80 MFD 150V Electrolytic Condenser	CO-105
C503	.05 MFD 400V Metallized Paper Condenser	CO-43
C504	.25 MFD 400V Metallized Paper Condenser	CO-45
C505	.05 MFD 400V Metallized Paper Condenser	CO-43
C506	.05 MFD 400V Metallized Paper Condenser	CO-43
C507	.01 MFD 400V Metallized Paper Condenser	CO-42
C508	.01 MFD 400V Metallized Paper Condenser	CO-42
C509	.05 MFD 400V Metallized Paper Condenser	CO-43
C510	.05 MFD 400V Metallized Paper Condenser	CO-43
C511	.05 MFD 400V Metallized Paper Condenser	CO-43
C512	3.75 MFD 330V Electrolytic Condenser	CO-86
C513	3.75 MFD 330V Electrolytic Condenser	CO-86

Note 2: The replacement Control Circuit Assembly includes all parts except those marked with an asterisk (*).

Note 3: When ordering drive motor starting condensers, specify motor manufacturer, manufacturer's type number (found on the motor name plate), and the serial number of your machine.

ORDER PARTS BY AMPEX CATALOG NUMBER ONLY!

Reference Number	Description	Ampex Catalog Number
J501S	Female Chassis Connector - 21 Contact	PL-57S
J502S	Female Chassis Connector - 10 Contact	PL-207S
J503S	Female Chassis Connector - 8 Contact	PL-54S
J504S	Female Chassis Connector - 6 Contact	PL-55S
J505S	Female Chassis Connector - 8 Contact	PL-54S
J506S	Female Chassis Connector - 8 Contact	PL-54S
*K501	Capstan Solenoid	B-670
K502	Play Relay - 3P2T	RL-21
K503	Fast Forward Relay - 3P2T	RL-21
K504	Rewind Relay - 3P2T	RL-21
*K505	Takeup Brake Solenoid	B-337
*K506	Rewind Brake Solenoid	B-337
P501P	Male Plug - 21 Contact - Latching	PL-309P
*P502P	Male Plug - 10 Contact - Latching - Remote Dummy	A-3461
*P503P	Male Plug - 8 Contact - Latching - 60 Cycle Dummy	A-567-1
P504P	Male Plug - 6 Contact - Latching	PL-101P
P505P	Male Plug - 8 Contact - Latching	PL-103P
P506P	Male Plug - 8 Contact - Latching	PL-103P
P507P	Male Plug - 4 Contact - Latching	PL-99P
R501	20 Ohm 5 Watt Fixed Wirewound Resistor	RE-309
R502	75 Ohm 50 Watt Fixed Wirewound Resistor	RE-129
R503	150 Ohm 50 Watt Adjustable Wirewound Resistor	RE-259
R504	750 Ohm 50 Watt Wirewound Resistor	RE-637
R505	150 Ohm 50 Watt Adjustable Wirewound Resistor	RE-259
R506	100 Ohm 1/2 Watt Composition Resistor	RE-444
R507	100 Ohm 1/2 Watt Composition Resistor	RE-444
R508	100 Ohm 1/2 Watt Composition Resistor	RE-444
R509	100 Ohm 1/2 Watt Composition Resistor	RE-444
R510	100 Ohm 1/2 Watt Composition Resistor	RE-444
SR501	Selenium Rectifier - Half Wave	SR-18
*S501	Safety Switch - SPST Micro-Switch	6582
*S502	Stop Pushbutton - SPST Normally Closed	SW-62
*S503	Tape Speed Switch - DPDT - Toggle	SW-5
*S504	Reel Size Switch - SPST - Toggle	SW-9
*S505	Play Pushbutton - SPST - Normally Open	SW-61
*S506	Fast Forward Pushbutton - SPST - Normally Open	SW-61
*S507	Rewind Pushbutton - SPST - Normally Open	SW-61
	Pushbutton Guards	361

6.3 ELECTRONIC ASSEMBLY - Catalog #5701 and 5701-1

C401	.25 MFD 400V Metallized Paper Condenser	CO-45
C402	25 MFD 25V Electrolytic Condenser	CO-59
C403	4 MFD 450V Electrolytic Condenser	CO-54
C404	25 MFD 25V Electrolytic Condenser	CO-59
C405	.25 MFD 400V Metallized Paper Condenser	CO-45
C406	.0005 MFD Padder Condenser	CO-325
C406	.0003 MFD Padder Condenser (3-3/4" - 7-1/2")	CO-122
C407	.0001 MFD Padder Condenser	CO-92
C407	.0005 MFD Padder Condenser (3-3/4" - 7-1/2")	CO-325
C408	.1 MFD 400V Metallized Paper Condenser	CO-101
C409	25 MFD 25V Electrolytic Condenser	CO-59
C410	10 MFD 450V Electrolytic Condenser	CO-55

ORDER PARTS BY AMPEX CATALOG NUMBER ONLY!

Reference Number	Description	Ampex Catalog Number
C411	.05 MFD 400V Metallized Paper Condenser	CO-43
C412	1 MFD 400V Metallized Paper Condenser	CO-47
C413	16 MFD 150V Electrolytic Condenser	CO-56
C414	.1 MFD 400V Metallized Paper Condenser	CO-44
C415	.1 MFD 400V Metallized Paper Condenser	CO-44
C416	.1 MFD 200V Metallized Paper Condenser	CO-97
C417	.006 MFD 500V Mica Condenser $\pm 5\%$	CO-13
C418	4 MFD 150V Electrolytic Condenser	CO-53
C419	50 MFD 25V Electrolytic Condenser	CO-60
C420	20 MFD 450V Electrolytic Condenser	CO-57
C421	.01 MFD 400V Metallized Paper Condenser	CO-42
C422	4 MFD 150V Electrolytic Condenser	CO-53
C423	25 MFD 25V Electrolytic Condenser	CO-59
C424	.1 MFD 400V Metallized Paper Condenser	CO-44
C425	.005 MFD 500V Mica Condenser $\pm 5\%$	CO-12
C425	.015 MFD 200V Mica Condenser $\pm 5\%$ (3-3/4" - 7-1/2")	CO-230
C426	.0025 MFD 500V Mica Condenser $\pm 5\%$	CO-8
C426	.005 MFD 500V Mica Condenser $\pm 5\%$ (3-3/4" - 7-1/2")	CO-12
C427	25 MFD 25V Electrolytic Condenser	CO-59
C428	4 MFD 450V Electrolytic Condenser	CO-54
C429	.25 MFD 400V Metallized Paper Condenser	CO-47
C430	2000 MFD 15V Electrolytic Condenser	CO-66
C431	20 MFD 450V Electrolytic Condenser	CO-57
C432	.0004 MFD 500V Mica Condenser (Matched) $\pm 5\%$	CO-89
C433	.004 MFD 500V Mica Condenser $\pm 5\%$	CO-11
C434	.004 MFD 500V Mica Condenser $\pm 5\%$	CO-11
C435	.0004 MFD 500V Mica Condenser (Matched) $\pm 5\%$	CO-89
C436	.1 MFD 400V Metallized Paper Condenser	CO-44
C437	.0005 MFD 500V Silver Mica Condenser $\pm 5\%$	CO-5
C438	.001 MFD Padder Condenser	CO-91
C439	.0005 MFD Mica Condenser $\pm 10\%$	CO-19
C440	.25 MFD 400V Metallized Paper Condenser	CO-45
C441	.005 MFD Mica Condenser	CO-26
C442	.005 MFD Mica Condenser	CO-26
C443	.001 MFD Mica Condenser	CO-174
C444	.001 MFD Mica Condenser	CO-174
F401	1 Amp Fuse, Slo-Blo	FU-7
F402	3 Amp Fuse	FU-3
I401	Record Indicator (Neon)	DL-4
J401S	Cannon XL-3-13 Chassis Connector	PL-58-S
J402P	AN-3102-10S-3P Box Mount Connector	PL-59P
J403S	Phone Jack - Open Circuit	JA-3
J404P	Cannon XL-3-14 Chassis Connector	PL-4P
J405P	AN-3102-10S-4P Box Mount Connector	PL-61P
J406P	AN-3102-10S-2P Box Mount Connector	PL-62P
J407S	Jones S-304-AB Chassis Connector	PL-56S
J408S	Jones S-308-AB Chassis Connector	PL-54S
J409P	Hubbell #7466 Chassis Connector	PL-104P
J410S	Plug, 115 V. Outlet	PL-141S
J411S	Phone Jack - Open Circuit	JA-3
K401	Record Relay, 3P2T, 115 V. DC	B-5760
L401	20 MH R.F. Choke	CH-8
M401	4" VU Meter	ME-2

ORDER PARTS BY AMPEX CATALOG NUMBER ONLY!

Reference Number	Description	Amplex Catalog Number
---------------------	-------------	-----------------------------

NOTE: ALL RESISTORS \pm 10% UNLESS OTHERWISE SPECIFIED

R401	150,000 Ohm 1/2 Watt Composition Resistor	RE-296
R402	100 Ohm 1/2 Watt Composition Resistor	RE-602
R403	100 Ohm 1/2 Watt Composition Resistor	RE-602
R404	150,000 Ohm 1/2 Watt Composition Resistor	RE-296
R405	1 Meg. 1/2 Watt Composition Resistor	RE-290
R406	1,200 Ohm 1/2 Watt Composition Resistor	RE-335
R407	330,000 Ohm 1/2 Watt Composition Resistor	RE-427
R408	100,000 Ohm 1/2 Watt Film Resistor \pm 1%	RE-571
R409	100,000 Ohm Audio Taper Potentiometer	RE-584
R410	2,200 Ohm 1/2 Watt Composition Resistor	RE-369
R411	47,000 Ohm 1 Watt Composition Resistor	RE-22
R412	100,000 Ohm 1/2 Watt Composition Resistor	RE-300
R413	330,000 Ohm 1/2 Watt Composition Resistor \pm 5%	RE-607
R414	100,000 Ohm 1/2 Watt Composition Resistor	RE-300
R415	33,000 Ohm 1/2 Watt Film Resistor \pm 1%	RE-608
R416	2,200 Ohm 1/2 Watt Composition Resistor	RE-369
R417	47,000 Ohm 1 Watt Composition Resistor	RE-22
R418	470,000 Ohm 1/2 Watt Composition Resistor	RE-302
R419	2,200 Ohm 1/2 Watt Composition Resistor	RE-369
R420	470 Ohm 1/2 Watt Composition Resistor	RE-333
R421	22,000 Ohm 2 Watt Composition Resistor	RE-171
R422	47,000 Ohm 1/2 Watt Composition Resistor	RE-299
R423	1 Meg. 1/2 Watt Composition Resistor	RE-290
R424	50,000 Ohm Linear Taper Potentiometer	RE-226
R425	470,000 Ohm 1/2 Watt Composition Resistor	RE-302
R426	15,000 Ohm 10 Watt Wirewound Resistor	RE-92
R427	100,000 Ohm 2 Watt Composition Resistor	RE-179
R428	10,000 Ohm Audio Taper Potentiometer	RE-315
R429	330,000 Ohm 1/2 Watt Film Resistor \pm 1%	RE-599
R430	2,200 Ohm 1/2 Watt Film Resistor \pm 1%	RE-611
R431	470 Ohm 1/2 Watt Composition Resistor	RE-333
R432	470 Ohm 1/2 Watt Composition Resistor	RE-333
R433	330,000 Ohm 1/2 Watt Film Resistor \pm 1%	RE-599
R434	2,200 Ohm 1/2 Watt Composition Resistor	RE-369
R435	100,000 Ohm Audio Taper Potentiometer	RE-227
R436	1 Meg. 1/2 Watt Film Resistor \pm 1%	RE-600
R437	47,000 Ohm 1/2 Watt Composition Resistor	RE-299
R438	1 Meg. Audio Taper Potentiometer	RE-585
R439	1 Meg. 1/2 Watt Composition Resistor	RE-290
R440	330,000 Ohm 1/2 Watt Composition Resistor	RE-427
R441	2,700 Ohm 1/2 Watt Composition Resistor	RE-373
R442	220 Ohm 1/2 Watt Composition Resistor	RE-338
R443	150,000 Ohm 1/2 Watt Composition Resistor	RE-296
R444	560,000 Ohm 2 Watt Composition Resistor	RE-605
R445	1,500 Ohm 1/2 Watt Composition Resistor	RE-332
R446	10,000 Ohm 2 Watt Composition Resistor	RE-168
R447	47,000 Ohm 1 Watt Composition Resistor	RE-22
R448	22,000 Ohm 1/2 Watt Composition Resistor	RE-298
R449	2,700 Ohm 1/2 Watt Composition Resistor	RE-373
R450	560 Ohm 1/2 Watt Composition Resistor	RE-446
R451	100 Ohm 1 Watt Composition Resistor	RE-260
R452	3,600 Ohm 1/2 Watt Film Resistor \pm 1%	RE-597
R453	2,000 Ohm 10 Watt Wirewound Resistor	RE-82
R454	100 Ohm 1 Watt Composition Resistor	RE-260
R455	47,000 Ohm 1/2 Watt Composition Resistor	RE-299
R456	47,000 Ohm 1/2 Watt Composition Resistor	RE-299
R457	100 Ohm 1 Watt Composition Resistor	RE-260

ORDER PARTS BY AMPEX CATALOG NUMBER ONLY!

Reference Number	Description	Ampex Catalog Number
R458	7 Ohm 1 Watt Film Resistor $\pm 1\%$	RE-462
R459	500 Ohm 10 Watt Adjustable Wirewound Resistor	RE-277
R460	40,000 Ohm Wirewound Potentiometer	RE-278
R461	150,000 Ohm 1/2 Watt Composition Resistor	RE-296
R462	33,000 Ohm 1/2 Watt Film Resistor $\pm 1\%$ (3-3/4" - 7-1/2")	RE-608
S401	Input Transfer Switch - 3P3T Rotary	SW-7
S402	Equalization Switch - 3P2T Rotary	SW-8
S403	Record Switch - Pushbutton SPST - Normally Open	SW-34
S404	Line Termination Switch - SPST Toggle	SW-9
S405	Meter and Output Switch - 3P4T Rotary	SW-13
S406	AC Power Switch - SPST Toggle	SW-9
T401	Microphone Input Transformer	1153
T402	Output Transformer	1154
T403	Erase Transformer	1011
V401	12SJ7 Vacuum Tube	TU-11
V402	12SJ7 Vacuum Tube	TU-11
V403	12SJ7 Vacuum Tube	TU-11
V404	6C5 or 6J5 Vacuum Tube	TU-3
V405	12SJ7 Vacuum Tube (Selected)	TU-12
V406	12SJ7 Vacuum Tube	TU-11
V407	6F6 Vacuum Tube	TU-8
V408	6C5 or 6J5 Vacuum Tube	TU-3
V409	6SN7-GT Vacuum Tube	TU-13
	AC Power Cable	2413
	Turret Tube Sockets	1208
	Fuse Extractor Post	FE-1
	Equalization, Meter & Output Switch Knobs	KN-3
	Record and Playback Level Knobs	KN-4
	Input Transfer Switch Knob	KN-8

**6.4 POWER SUPPLY - Catalog #3741 (Console)
Catalog #3741-1 (Portable & Rack)**

C601	20 MFD 450V Electrolytic Condenser	CO-57
C602	20 MFD 450V Electrolytic Condenser	CO-57
C603	30-30-20 MFD 475V Electrolytic Condenser	CO-244
C604	20 MFD 450V Electrolytic Condenser	CO-57
J601P	Jones P-308-CCT-L Cable Connector	PL-103P
L601	8H 80 MA Filter Choke	1155
L602	8H 80 MA Filter Choke	1155
SR601	Selenium Rectifier - Full Wave	SR-3
T601	Power Transformer	3953
V601	5Y3G Vacuum Tube	TU-14
	Power Supply Cable	2435

ORDER PARTS BY AMPEX CATALOG NUMBER ONLY!

Reference Number	Description	Ampex Catalog Number
6.5 MISCELLANEOUS		
A701	Remote Record Lamp - 120 V. 6 Watt Lamp Base - Red	LA-6 DL-7
A702	Remote Tape Motion Lamp - 120 V. 6 Watt Lamp Base - Green	LA-6 DL-8
J701P	Remote Chassis Connector - 10 Contact, Male Remote Control Cable (with plugs)	PL-139P 5795
S701	Fast Forward Pushbutton - SPST Normally Open	SW-61
S702	Rewind Pushbutton - SPST Normally Open	SW-61
S703	Stop Pushbutton - SPST Normally Closed	SW-62
S704	Start Pushbutton - SPST Normally Open	SW-61
S705	Record Pushbutton - SPST Normally Open	SW-61
	Mechanical Assembly Case for Two-Case Portable	5727
	Electronic Assembly Case for Two-Case Portable with extra space	3693
	Console Cabinet	5728
	Power Interconnecting Extension Cable	3768
	Power Supply Extension Cable	3814
	Remote Control Box	5763
	Four Channel Mixer-Pre-Amplifier	3761
	Editing Knob (Portable & Console)	1917
	Reel Hold Down Knob (Rack)	4402
	10-1/2" NARTB Reel	539
	Ampex Alignment Tape (for 7-1/2" - 15" Machines)	4494
	Ampex Alignment Tape (for 3-3/4" - 7-1/2" Machines)	5563
	Ampex Head Demagnetizer	704

ORDER PARTS BY AMPEX CATALOG NUMBER ONLY!