

Ampex 351-2 Cabinet

Grain is second dimension

Cabinet

A & C	Sides (2)	26-1/4 x 36
F	Shelf	26-1/4 x 24-1/4
G	Bottom	25-1/2 x 24-1/4
E	Upper Back	24-1/4 x 6
F	Top	8-1/2 x 24-1/4
F	Front Panel	5-1/2 x 24-1/4
E	Lower Back	24-1/4 x 13-3/4

Transport Panel

D	Front Rail	1-3/4 x 17
D	Back Rail	2-5/8 x 17
D	Stiles (2)	3-5/8 x 19-5/8

Electronics Cabinet

		Stereo	Mono	Mono with MX-35
D	Sides (2)	8 x 15-1/2	8 x 8-1/2	8 x 13-3/4
B	Top	8 x 24-1/4	8 x 24-1/4	8 x 24-1/4
B	Bottom	8 x 24-1/4	8 x 24-1/4	8 x 24-1/4
D	Fronts (2)	14-3/4 x 3-3/8	7-3/4 x 3-3/8	13 x 3-3/8

Wood

2 sheet 4' x 8' veneer plywood

25 feet 7/8" White Birch veneer iron-on edge banding

Hardware

Wheels, 2" (4)

10-24 x 1" Stainless Steel oval head Phillips machine screws,

10-24 brass threaded wood inserts and #10 finish washers (16)

15/64" drill bit for brass threaded wood inserts

10-24 x 1-3/4" flat head bolts, nuts & washers to secure Electronics Cabinet to Lower Cabi

Mounting hardware (bolts, washers and nuts) for wheels

5 Minute Epoxy

Gloss latex paint & 2" synthetic brush

Construction Sequence

Have lumberyard cut both sheets of plywood per charts

Mark each piece A through G to identify

Follow Construction Sequence (next two pages)

Ampex 351-2 CABINET CONSTRUCTION SEQUENCE - PAGE 1 OF 2

CUTTING & MILLING INSTRUCTIONS for

ELECTRONICS CABINET (all variations)

	Construction Step	Tools Required
	Cut SIDES (2), TOP, BOTTOM & FRONTS (2) to final sizes. See "Rough to Finish" detail for pieces B & D.	Tablesaw
	Rabbet ends of both SIDES 3/8 wide x 3/4 deep for TOP & BOTTOM. See Detail Drawing # 1.	Tablesaw
	Rabbet front edges of SIDES 3/8 wide x 3/4 deep for FRONT PANELS. See Detail Drawing # 1.	Tablesaw
	Rout TOP and BOTTOM 3/8 deep x 3/4 wide x 3-3/8" for FRONTS. See Detail Drawing # 2.	Router Table & Chisel
	Glue, nail and clamp TOP, BOTTOM, SIDES and FRONTS	Glue, nail gun & clamps
	Iron on 7/8" White Birch Edge Banding over exposed plywood edges and trim	Clothes iron, edge banding trimmer
	Sand	Random orbital sander, 150 & 220 grit paper
	Paint	Synthetic brush for latex paint
	Drill and Epoxy 8 brass threaded wood inserts	Drill, 15/64" bit, screwdriver, 5 Minute Epoxy

CUTTING & MILLING INSTRUCTIONS for

LOWER CABINET SIDES

	Construction Step	Tools Required
	Cut Pieces A & C 3/4" veneer plywood SIDES from rough 27" to 26-1/4" wide. See Detail Drawing # 3.	Tablesaw
	Cut Pieces A & C 3/4" veneer plywood SIDES from rough 37" to 36" high. See Detail Drawing # 3.	Tablesaw
	Make angle cuts on each SIDE for TRANSPORT PANEL per dimensions on plans. See Detail Drawing # 4.	Circular saw & straightedge clamped to plywood
	For BOTTOM: Rabbet bottom of each SIDE 3/8" deep x 3/4" wide x entire 26-1/4" width. See Detail Drawing # 4.	Tablesaw
	For SHELF: Dado across each SIDE, 3/8" deep x 3/4" wide x entire 26-1/4" width. See Detail Drawing # 4.	Tablesaw
	For LOWER BACK: Rabbet edge of each SIDE, 3/8" deep x 3/4" wide x 13-3/4". See Detail Drawing # 4.	Router & straightedge clamped to plywood
	For UPPER BACK: Rabbet back of each SIDE (at top), 3/8" deep x 3/4" wide x 6". See Detail Drawing # 4.	Router & straightedge clamped to plywood
	For FRONT PANEL: Rabbet front of each SIDE (at top), 3/8" deep x 3/4" wide x 5-1/2". See Detail Drawing # 4.	Router & straightedge clamped to plywood, chisel
	For TOP: Rabbet top of each SIDE, 3/8" deep x 3/4" wide x entire 8-1/2". See Detail Drawing # 4.	Router & straightedge clamped to plywood
	For TRANSPORT PANEL: Rabbet angled top of each SIDE, 3/8" deep x 3/4" wide x entire angled dimension	Router & straightedge clamped to plywood

Ampex 351-2 CABINET CONSTRUCTION SEQUENCE - PAGE 2 OF 2

CUTTING & MILLING INSTRUCTIONS for

TRANSPORT PANEL

NOTE: If you are painting the cabinet, just cut a transport panel from an unused piece of plywood per the "One Piece Transport Panel For Painting" drawing.

	Construction Step	Tools Required
	Cut FRONT RAIL to size, 1-3/4 wide x 17	Tablesaw
	Cut BACK RAIL to size, 2-5/8 x 17	Tablesaw
	Cut STILES to size, 3 5/8 x 19-5/8	Tablesaw
	Cut 4 biscuit slots (for stained version)	Biscuit slot cutter
	Glue 4 pieces together with 4 # 20 biscuits (for stained version)	Number 20 biscuits, glue
	Trim excess biscuits from FRONT RAIL	Hand saw
	Sand	Random orbital sander, 150 & 220 grit paper

CABINET ASSEMBLY

	Construction Step	Tools Required
	Glue & nail BOTTOM, SHELF, TOP and FRONT PANEL to one SIDE	Glue, nail gun & clamps
	Glue and nail other SIDE to above subassembly	Glue, nail gun & clamps
	Check above for square	Tape measure
	Glue and nail LOWER BACK AND UPPER BACK to cabinet and check for square	Glue, nail gun, clamps and tape measure
	Final check for square	Tape measure
	Bevel FRONT STILE of TRANSPORT PANEL to match FRONT PANEL in cabinet	Tablesaw
	Bevel BACK STILE of TRANSPORT PANEL to match cabinet TOP and trim to fit	Tablesaw
	Glue and nail TRANSPORT PANEL in place	Glue, nail gun & clamps
	Drill holes and mount 4 wheels	Drill
	Sand	Random orbital sander, 150 & 220 grit paper
	Iron on 7/8" White Birch Edge Banding over exposed plywood edges and trim	Clothes iron, edge banding trimmer
	Sand	Random orbital sander, 150 & 220 grit paper
	Stain or paint	
	Satin water base polyurethane if stained	Satin water base polyurethane
	Mount ELECTRONICS CABINET on top of Cabinet, mark for 4 holes, drill and mount	Drill
	Drill and Epoxy 8 brass inserts in TRANSPORT PANEL	Drill, 15/64" bit, screwdriver, 5 Minute Epoxy