

SECTION 2

INSTALLATION

2.1 UNPACKING

2.2 Unpack the equipment carefully. Examine recorder for any sign of damage and check it against the packing list to determine that all items have been received. Immediately report any shortage or damage to the Ampex distributor and the transportation company.

2.3 After unpacking, remove all shipping materials (masking tape, rubber bands,

etc.) used to secure moving components during shipment.

2.4 MOUNTING

2.5 Portable equipment is shipped mounted in the case. Unmounted equipment can be installed in custom consoles, or in standard 19-inch racks with the mounting adaptors. Recorder mounting dimensions are given in Figure 2-1.

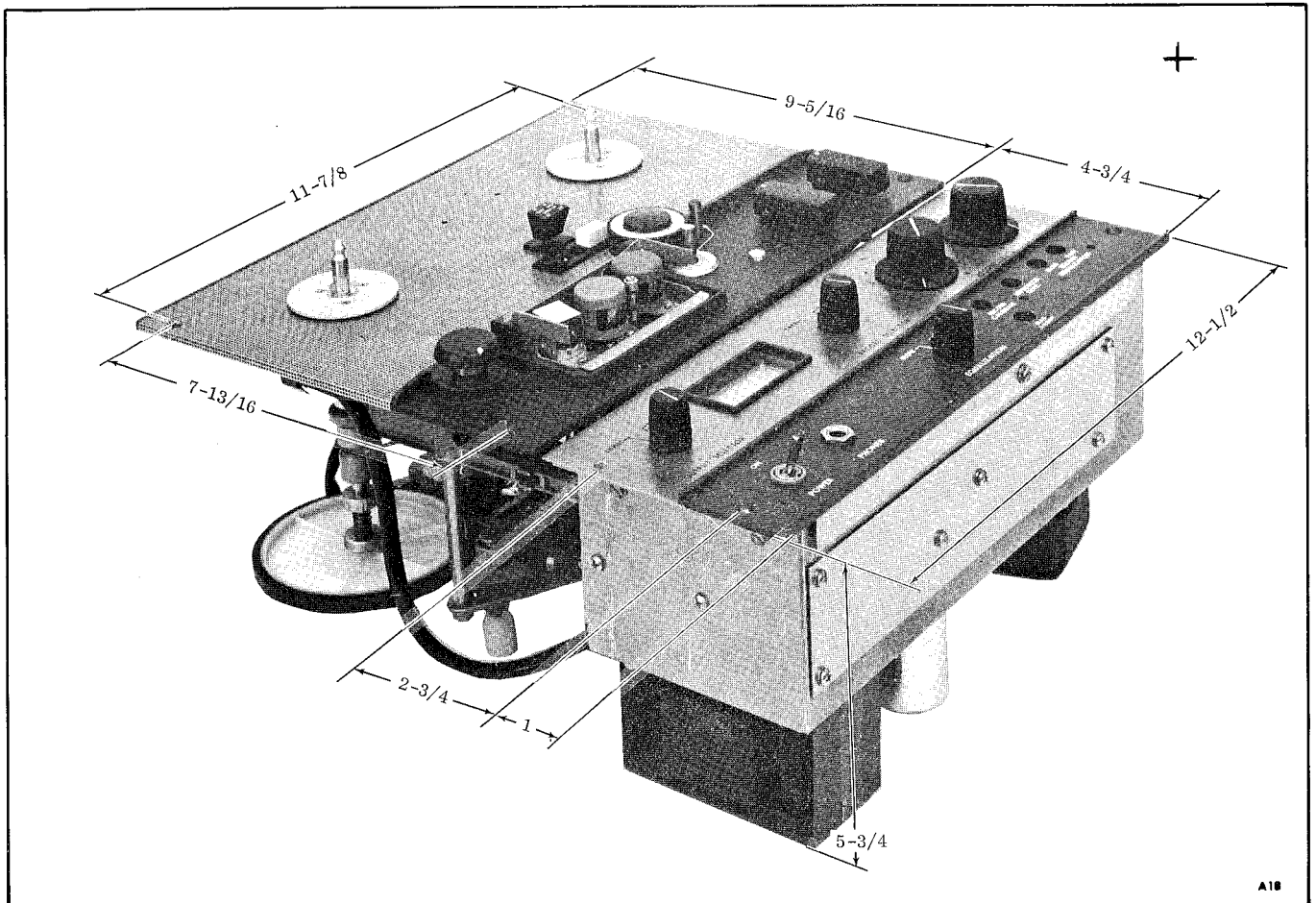


Figure 2-1. Mounting Dimensions

2.6 In rack or console mounting, the tape transport and electronic assembly must be positioned to avoid lengthening the head cables (which would reduce the frequency response range).

2.7 CONNECTING

2.8 GENERAL

2.9 Portable equipment is shipped with connections completed between the tape transport and electronic assembly, so it is necessary only to connect the input and output signal lines (paragraphs 2.15 and 2.19) and the power cable (paragraph 2.24). When equipment is disassembled for maintenance, all disconnected connectors must be reconnected. Connectors mentioned in the following procedures are shown in Figures 2-2 and 2-3.

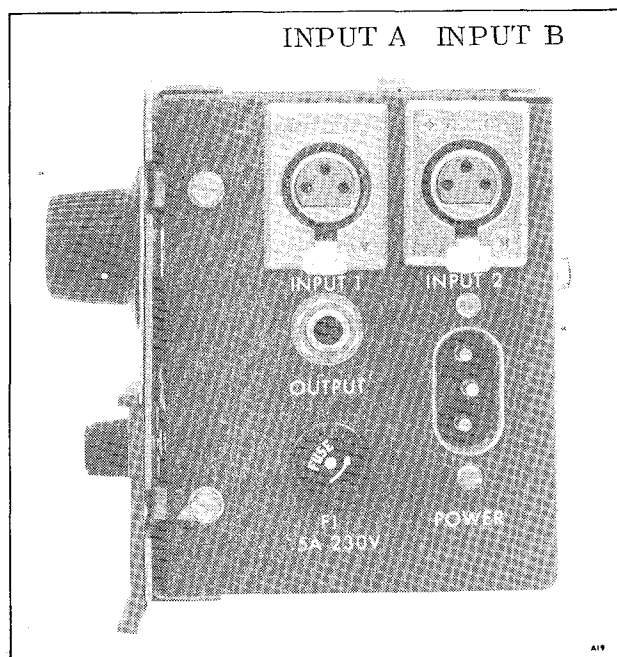


Figure 2-2. Master Electronic Assembly Connector Panel

2.10 CONTROL CABLE CONNECTIONS

2.11 One-Channel Equipment

2.12 Connect the tape transport 15-pin plug (on the captive cable) to receptacle J11 on the electronic assembly rear panel.

2.13 Two-Channel Equipment

2.14 Connect the tape transport 15-pin plug (on the captive cable) to the female 15-socket receptacle on the "Y" interconnecting cable. Connect the Y-cable 15-pin male plug to J11 on the master electronic assembly, and the 8-pin female receptacle to J11 on the slave electronic assembly.

2.15 INPUT-SIGNAL CONNECTIONS

2.16 Either, or both, of the input signal receptacles, "INPUT A" and "INPUT B", on each electronic assembly chassis may be used for the input signal(s); if both are used, the inputs are mixed and recorded on one tape track. Female receptacles are standard XL-type; mating male plugs are furnished with the equipment.

2.17 To connect an unbalanced-line input, wire the signal leads to pins 3 and 2 (ground), and the shield to pin 1; then jumper pins 1 and 2. For a balanced-line or microphone input, wire the leads and shield to the same pins and omit the jumper.

2.18 Dummy plugs, used in the INPUT ACCESSORIES sockets, are provided for unbalanced-line inputs. An accessory transformer, or preamplifier must be inserted in the INPUT ACCESSORY socket for a balanced-line or microphone input.

2.19 OUTPUT-SIGNAL CONNECTIONS

2.20 The OUTPUT connector is a telephone jack, with a mating plug furnished. For an unbalanced output, wire the "high" side of the signal to the plug tip, and the "low" side or ground to the plug body and to the ring connection. For an isolated or balanced output, wire one side of the line to the tip, the other side to the ring, and the shield to the shield connection.

2.21 A standard, two-circuit, phone plug may also be used. Wire the "high" side of the line to the tip, and the "low" side (or shield) to the sleeve (the "low" side is then

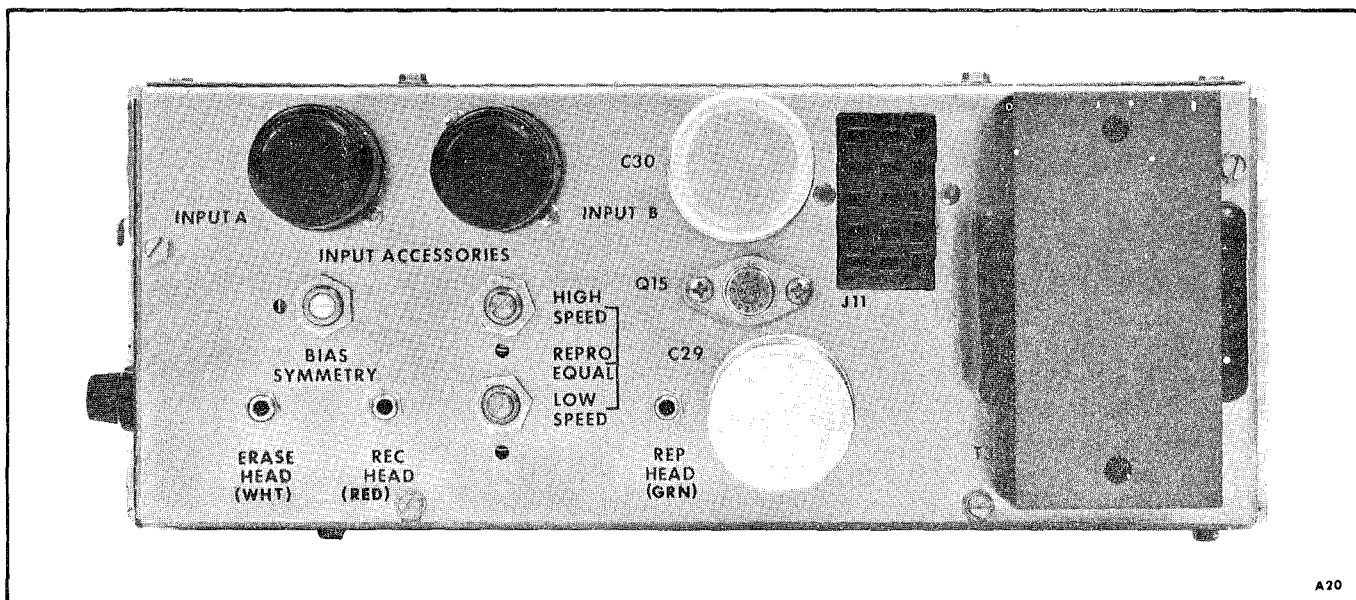


Figure 2-3. Electronic Assembly (Rear)

automatically connected to ground, providing an unbalanced output).

2.22 HEAD CABLE CONNECTIONS

2.23 The tape transport head cables (captive) have colored plugs to distinguish each cable; the erase plug is white, record is red, and reproduce is green. On two-channel equipment an additional stripe on the head cables designates track two (the track closest to the top plate). Connect the head cables to the corresponding jacks on the electronic assembly.

2.24 POWER CONNECTIONS

2.25 Connect the 8-foot power cable from POWER receptacle J10 (on the electronic assembly) to the a-c power source.

2.26 International models are shipped with a 0.75-ampere fuse in the electronic assembly for a 115-volt ac source. If a 230-volt ac source is used, replace the fuse with the 0.5-ampere fuse from the recorder spare-plug kit.



INTERNATIONAL MODELS HAVE A 115-230 VOLT SELECTOR SWITCH ON THE REAR PANEL. THIS SWITCH MUST BE SET TO THE LINE VOLTAGE, OR EXTENSIVE EQUIPMENT DAMAGE CAN RESULT.