

INSTALLATION

2.1 PRELIMINARY

Unpack the equipment carefully, checking it against the packing list to determine that all components have been received (if not, immediately notify your Ampex distributor). If there is any evidence that the recorder was damaged in transit, notify the responsible carrier and your Ampex distributor.

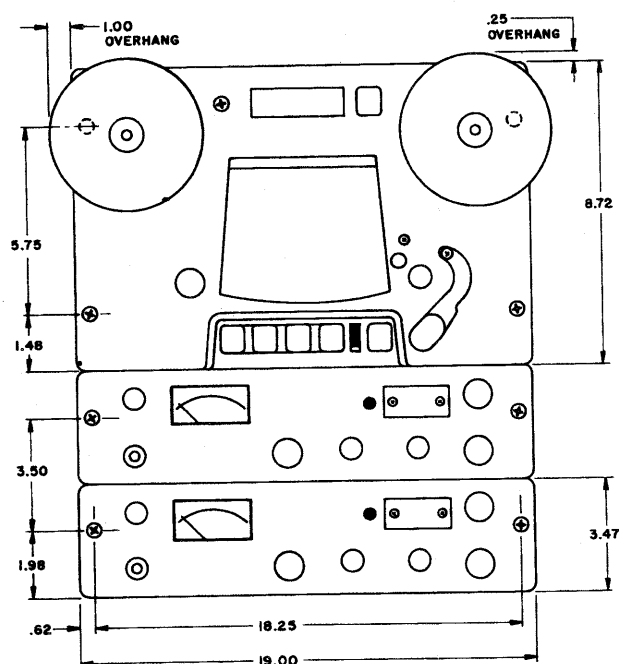
After unpacking, remove all shipping retainers (masking tape, etc.) that were used to secure components in transit.

2.2 MOUNTING

Portable equipment is shipped with the tape transport and electronic assembly mounted in the case. Unmounted models may be installed in standard 19-inch racks or in custom consoles. Mounting dimensions are included in Figure 2-1.

The major limitation in rack or console mounting is that the tape transport and electronic assembly must be positioned so that it is not necessary to lengthen the head cables (to do so would affect the frequency response of the recorder).

This equipment can be mounted and operated in either the vertical or horizontal position.



SPACE REQUIRED BEHIND MOUNTING (INCLUDING CONNECTORS)
TRANSPORT AND ELECTRONICS: 5.75

Fig. 2-1. Mounting Dimensions

2.3 CONNECTING

2.3.1 General

Portable equipment is shipped with interconnecting cables between the transport and the electronic assembly installed. It will thus be necessary only to connect the signal lines (refer to paragraphs 2.3.3 and 2.3.4) and the external power source (refer to paragraph 2.3.5) before placing the equipment in operation. If such equipment is disassembled for maintenance purposes, follow all procedures subsequently described to reconnect the assemblies.

Receptacles referenced in the following procedures are shown on Figs. 2-2 and 2-3.

2.3.2 Interconnecting Components

On single channel equipment, connect the control cable (which is captive at the tape transport) directly to receptacle J11 on the back panel of the electronic assembly. For two channel equipment use the Y interconnecting cable (provided) to connect the control lines between the transport and J11 on both electronic assemblies.

Head cables are captive at the head assembly on the tape transport. Colored plugs are used to distinguish each cable - the erase head plug is white, the record head plug is red, and the reproduce head plug is green. On two channel equipment an additional band is applied

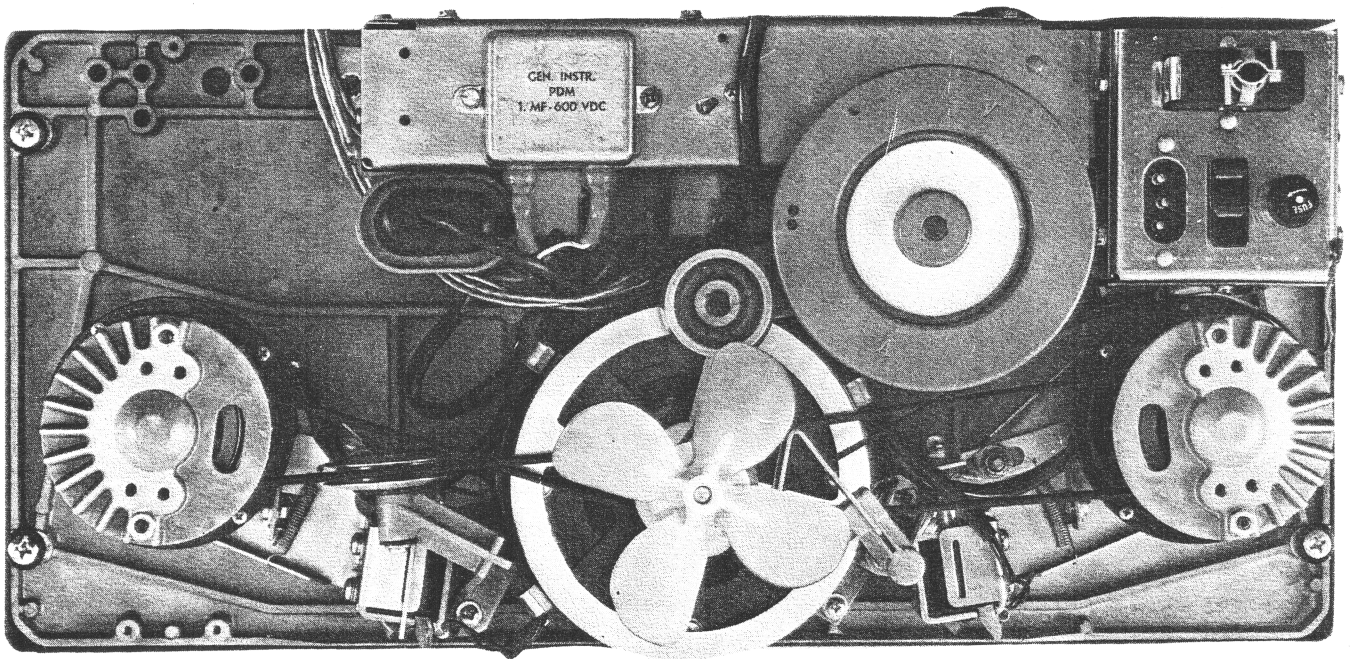


Fig. 2-2. Back View, Tape Transport

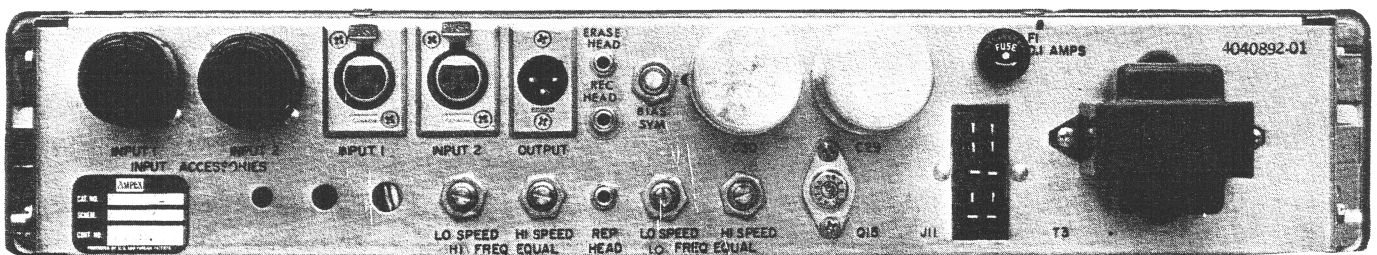


Fig. 2-3. Back View, Electronic Assembly

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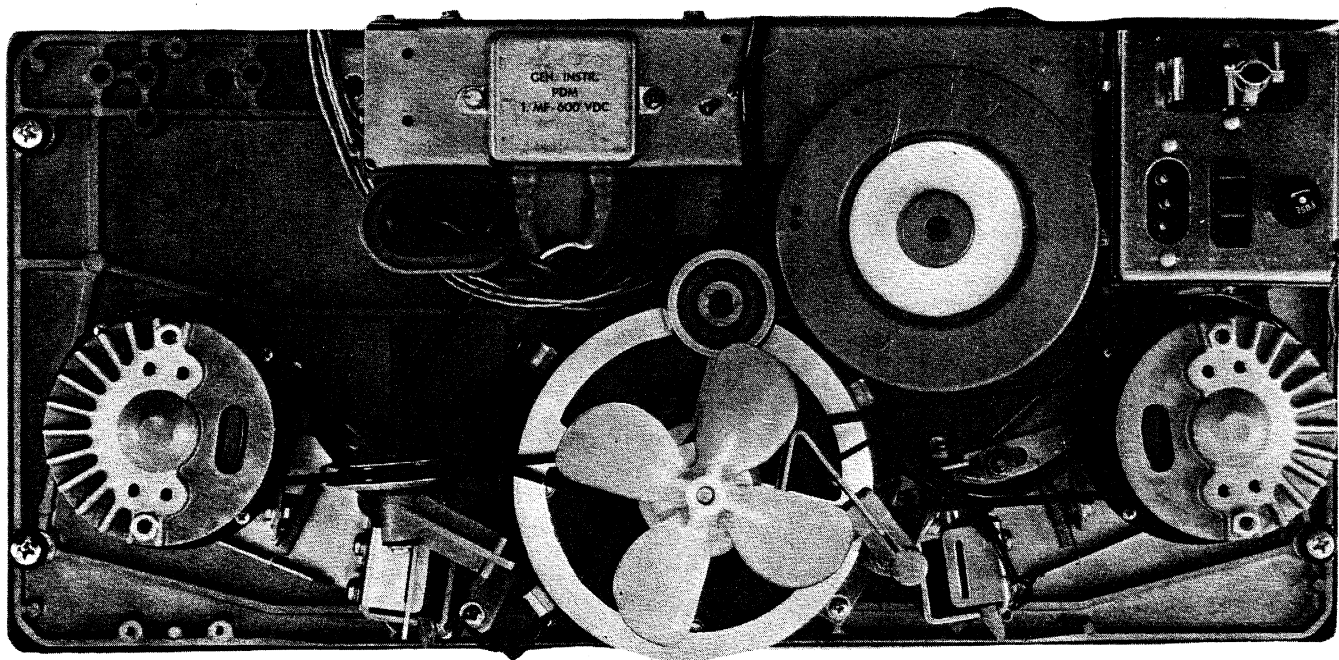


Fig. 2-2. Back View, Tape Transport

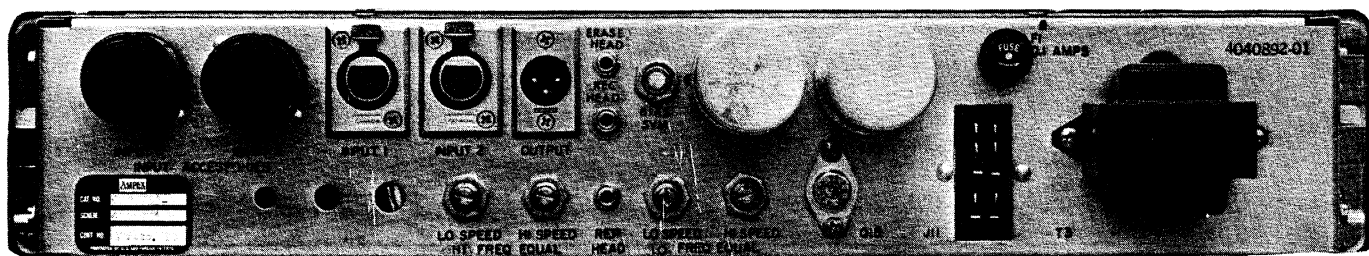


Fig. 2-3. Back View, Electronic Assembly

to the head cables for track two (the track closest to the top plate). Connect these cables to the applicable jacks on the electronic assembly.

2.3.3 Connecting Input Signal Line

Two input receptacles (designated "A" and "B") are provided on each electronic assembly. Either or both can be used to connect the input signal; if both are used (for example, when recording an orchestral group from two microphones) the signals are mixed and are then recorded on one track. Standard XL-type female receptacles are employed; mating male plugs are furnished with the equipment.

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 balanced line or microphone inputs, connect the leads and shield to the same pins, but omit the jumper.

Unbalanced line inputs require that dummy plugs (furnished) be inserted in the INPUT ACCESSORY socket(s). An optional accessory input transformer or microphone preamplifier (refer to Section 1, Accessories) must be inserted in the INPUT ACCESSORY socket(s) if a balanced line or microphone input is used.

2.3.4 Connecting Output Signal Line

A standard XL-type male receptacle is used for the output connector; a mating female plug is furnished with the equipment.

To connect an unbalanced line, 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 output connect the leads and shield to the same pins but omit the jumper.

2.3.5 Connecting Power

A power cable is furnished with the equipment. Connect this cable from POWER RECEPTACLE J118P, on the tape transport control box, to the a-c power source.



International version of this equipment have a 115V/230V slider switch on the back panel

of the electronic assembly. This switch must be positioned in accordance with power line voltage, or extensive damage to the equipment may result.

On domestic equipment, an a-c outlet is provided on the tape transport control box. This outlet, neither fused nor switched, provides a convenient means for connecting test equipment, accessory amplifier/loudspeakers, etc.

2.3.6 Connecting Remote Control

Two remote control units are available as optional accessories from Ampex. One (Catalog No. 01-96510-02) is a desk-top unit, enclosed in a metal case. It is furnished with an interconnecting cable, 30 feet long, which is simply plugged into REMOTE receptacle J116S on the tape transport control box (replacing the dummy plug). The other (Catalog No. 01-96520-02) is mounted on a panel. No interconnecting cable is furnished (see Fig. 2-4 for a schematic diagram of the necessary cable connections).

NOTE

If a remote control unit is not used, the dummy plug (furnished) must be inserted in REMOTE receptacle J116S or the equipment will not operate.

1	RED	1
2	WHITE	2
3	ORANGE	3
4	BROWN	4
5	YELLOW	5
6	GREY	6
7	BLACK	7
8	VIOLET	8
9	GREEN	9
10	BLUE	10

Fig. 2-4. Remote Control Cable