

Section 2

2

INSTALLATION

GENERAL

Open the packing case carefully and save it. In the event of possible shipping damage the case may be needed for return shipment. Install the equipment in the rack so that the head cables will reach the electronic unit without being extended in length. Do not lengthen the head cables for any reason whatsoever, because increased cable capacity will adversely effect frequency response. Install all cables as indicated in the applicable interconnecting instructions.

Release the capstan drive motor shipping lock -- a spring catch holding the motor away from the rubber-tired flywheel. Break the retaining ring and remove the lock from the motor bracket. Do not make any adjustments on the drive system at this time (none should be needed unless damage has occurred during shipping).

NOTE

Whenever the recorder is transported, be sure to relock the motor, or the capstan tire may be damaged beyond repair.

Connect the power cord to the appropriate a-c power source.

Check the capstan speed with the stick-on strobosticker provided. Before checking, let the drive unit run for at least five minutes to warm up the lubricant in the capstan assembly. If the lubricant is stiff, additional drag will cause greater compression of the rubber tire and the capstan will run slower until warmed up. Place the strobosticker on the capstan shaft with the sticky side down and view the rotating shaft under a 60 cycle light. If the speed is not correct

the spokes will appear to rotate. Slight speed changes can be realized by a change in the capstan drive motor pressure. This adjustment is at spring D, on the motor solenoid draw bar (see the illustration **BOTTOM VIEW, TAPE TRANSPORT**). If the adjustment is in the proper range, increasing pressure will slow the capstan, decreasing pressure will speed the capstan. Adjust for no rotation of the strobosticker spokes. (If the drive motor pressure is too light, increasing pressure will speed the capstan. In this range the tire pressure is inadequate for stable operation, and the pressure should be increased until an increase in pressure reduces the capstan speed.)

Thread the tape as shown in the appropriate tape threading illustration, making certain that the oxide-coated side will contact the heads. Remove any adhesive material used to seal the end of the reel of tape to avoid breakage at the finish of rewind. Run new reels of tape through in fast forward for inspection.

INTERCONNECTING

Refer to the appropriate interconnecting information at the back of this section.

MOUNTING

Console equipment is shipped in a ready-to-operate condition. It is necessary only to connect the power cable to a convenient a-c source.

Equipment intended for rack mounting is designed to fit a standard 19-inch wide rack.

NOTE

A different Drive Motor return spring is used for console, portable and rack mount machines. Information on this may be found in Section 5 (**TAPE TRANSPORT MECHANISM**).

A reel hold down knob should be placed on each reel spindle. Editing knobs, catalog number 1917-00 are furnished with console and portable recorders, while hold down knobs, catalog number 9093-00, are furnished with rack models.

Meter Panel 515-01 receives its power through connector TS1101 on the meter panel chassis.

<u>CABLE</u>	<u>CATALOG NO</u>	<u>QTY</u>	<u>CONNECTOR</u>	<u>FROM</u>	<u>CHASSIS</u>	<u>CONNECTOR</u>	<u>TO</u>
A-c	084-005	(1)	117V LINE	117V LINE	Tape Transport Power Panel	A-c source	Tape Transport
Power Interconnecting	563	(1)	POWER CABLE TO ELECTRONICS	Tape Transport Power Panel	POWER TO TOP PLATE J104S		Electronic Assembly
Playback Head	-----	(1)	Captive at	Tape Transport	PLAYBACK HEAD J201P		Electronic Assembly
Record Head	-----	(1)	Captive at	Tape Transport	RECORD HEAD J102P		Electronic Assembly
Erase Head	-----	(1)	Captive at	Tape Transport	ERASE HEAD J103P		Electronic Assembly
Metering Cable	570	(1)	Playback Level Control R213	Electronic Assembly	Terminal Strip TS1101		Meter Panel Assembly
Playback Cable	568	(1)	LINE OUT J202P	Electronic Assembly	Terminal Strip TS1101	Pins 16, 17, and 18	Meter Panel Assembly
Record Cable	569	(1)	RECORD IN 10K BRIDGING J101S	Electronic Assembly	Terminal Strip TS1101	Pins 4 and 5	Meter Panel Assembly
Power Cable	625	(1)	REMOTE POWER J105S	Electronic Assembly	Terminal Strip TS1101	Pins 6 and 7	Meter Panel Assembly

INTERCONNECTING INFORMATION

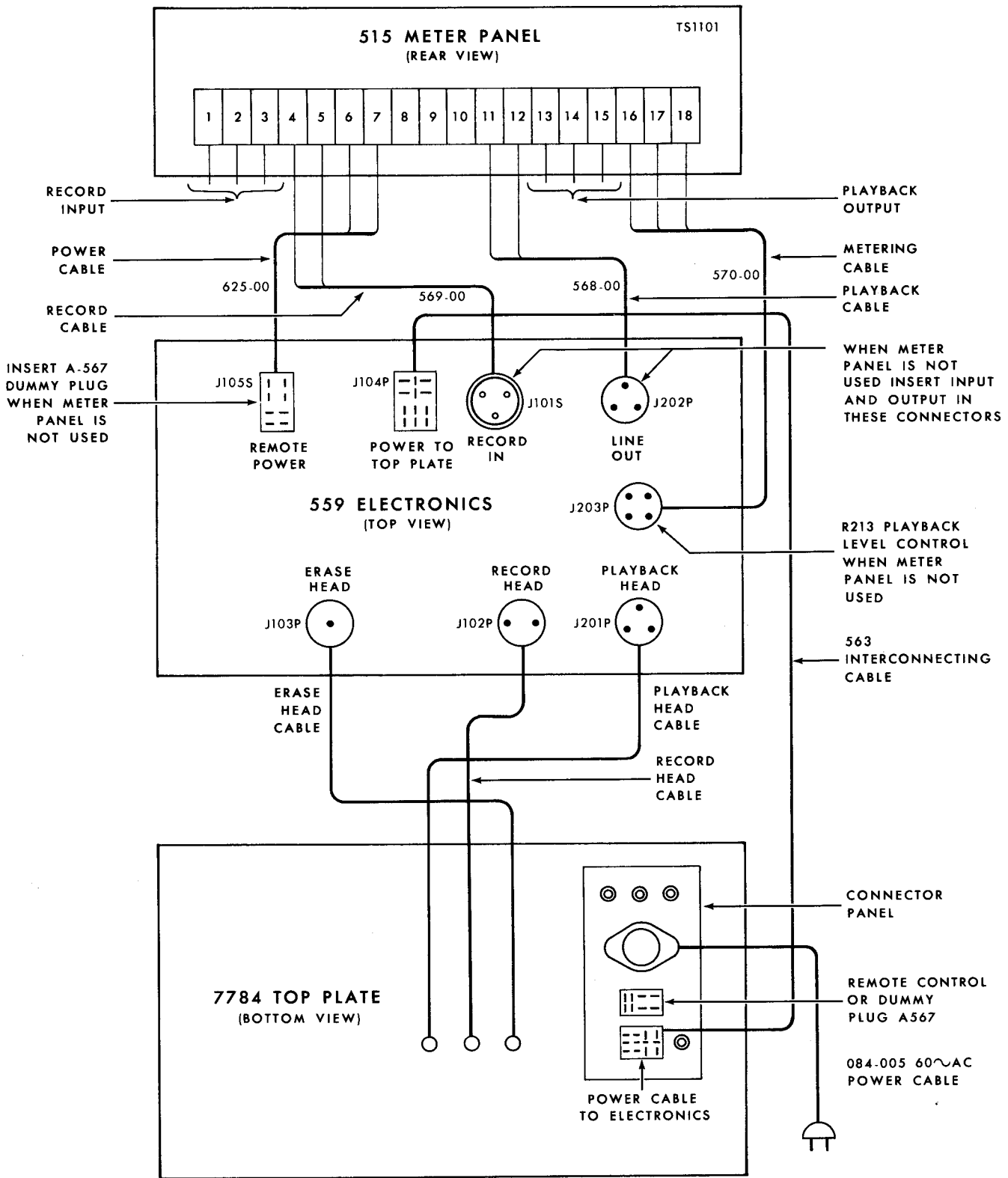


Fig. 2-1 INTERCONNECTING DIAGRAM