



TAPE THREADING INSTRUCTIONS FOR 300 SERIES TOP PLATES USING WIDE TAPE

In order to provide proper tracking of the tape on all Ampex 300 Series recorders using wide tape, an additional rotary tape guide has been installed on the top plate and adjustable tape guides have been incorporated on the head assemblies.

The tape should be threaded as shown above. The two adjustable tape guides have been set at the factory to a width .002 inch greater than the normal tape width, and should require no further adjustment. However, in the event of variation in the width of tape, due to temperature and humidity conditions, or Manufacturer's tolerances, it may be necessary to make a slight adjustment on the two tape guides to compensate for this variation. This is necessary to maintain proper tracking of the tape across the face of the head stacks. This adjustment may be made by loosening the locking screws and very carefully turning the width adjusting screws. The adjustment should be made with the tape properly threaded on the machine as shown above, and with the tape flat against the face of the head stacks and guides. The lower edge of the tape should just barely be in contact with the lower shoulders on both tape guides, and both adjusting screws should then be set to provide approximately .002 inch clearance at the top edge of the tape. After the adjusting screws have been properly set, they should be locked in place by tightening both locking screws.

It is extremely important that this adjustment be made very carefully. If insufficient width is allowed, it will cause the edges of the tape to curl, and if the width is too wide, it may permit the tape to wander. In either case, improper tracking of the tape across the head stacks would result.

FIGURE 5A