

AMPEX

CORPORATION

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REDWOOD CITY, CALIFORNIA

MAGNETIC RECORDERS

SERVICE BULLETIN

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INSTRUCTIONS FOR CONVERTING CONSOLE MOUNTED #300 TOP PLATE TO RACK MOUNTING

1. Add: Drive motor return spring (rack mount only). Hook spring from bracket on end bell of drive motor and extend to hook on the motor locking hook extension on drive motor mounting casting.
2. Remove disc "B" (Figure 4 of instruction book) on takeup tension arm assembly and twist coil spring an additional 180°. Transfer pin to hole on opposite side and hook end of spring.
3. The compression type capstan idler return spring "A" as shown in Figure 1 of the instruction book must be stretched so that the idler will clear the tape when the drive solenoid is in the de-energized position. This spring should be stretched without removing it from the link rod so that the setting of the capstan idler adjustment nut "F" will not have to be changed. Do not over-stretch the spring, however, as too much tension against the capstan idler arm will tend to prevent the idler from providing the proper "dig" when the drive solenoid is energized. If adjustment of the capstan idler adjustment nut "F" does become necessary, the following procedure should be followed:

Back off nut "F" until the solenoid plunger can be manually bottomed and the nut clears the adjustment arm.

While holding the solenoid plunger in this position, re-tighten nut "F" until the capstan idler just touches the capstan. Turn nut "F" in an additional 2 to 2½ turns so that when the recorder is running in the play position without tape, the capstan idler tire is slightly deformed at the capstan and the idler cannot be stopped with the hand. (Made to slip against the capstan).

4. Reel hold down knobs required:

Serial Nos. below 1600 - Use 534D
Serial Nos. above 1600 - Use 4402

5. Head cables should be long enough if electronic chassis is mounted upside down.