OTARI TECHNICAL BULLETIN

MX5050B BII Speed Adjustment **TB-5050-001**

Question: *Can the Otari MX5050B or BII operate at 3 IPS? If so, what do I need to do?*

Answer: Yes. The MX5050BII Series can be operated at 3 Tape Speeds: The "high" setting is for 15 & 7 IPS, and the "low" setting is for 7 and 3 IPS.

Configuration Procedure: The Conversion Procedure requires only that you switch the Speed Selection Switch and adjust the tape speed although we also recommend that you re-adjust the amplifier to obtain optimum performance.

1. Remove the six screws attaching the rear panel to the Tape Deck. Remove Panel.
2. Remove the 4 allen screws that hold the right side panel to the frame. Remove the panel.
3. The 'Speed Selection Switch' is located on the PCB Assembly as illustrated in Figure 6-6.
4. Slide the switch to the 'L' or 'H' position depending upon the desired speed selection (L = 7 - 3 IPS; H = 15 – 7 IPS).
5. Put a Speed Reference Tape for the desired speed setting on the Transport.
6. Play the Tape and measure the frequency of the output signal with a frequency counter.
7. Adjust the appropriate pot on the Servo PCB Assembly near the Capstan Motor, as illustrated in Figure 6-7, to obtain the reference speed frequency.
8. Re-install the side and rear panels.

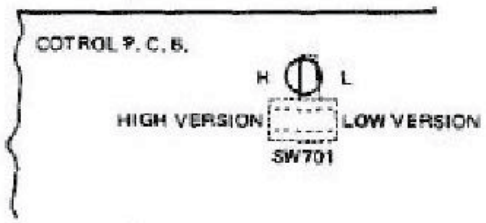


Fig. 6-6 Location of Tape Speed Conversion Switch

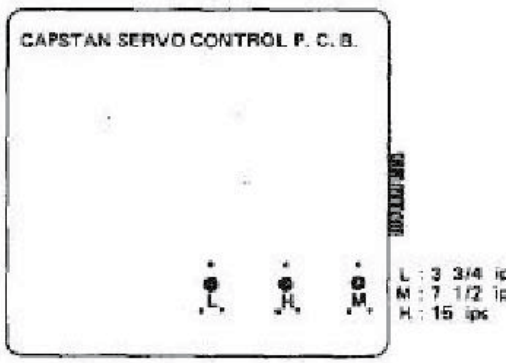


Fig. 6-7 Capstan Servo Control P.C.B.