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Date: **March, 1989**

Subject: **ERRATIC TAPE TENSION**

Model: **APR-5000**

Serial No: **10,001 AND HIGHER**

### **DESCRIPTION**

The reel motor may spin when there is no tape in the EOT. With a tape in the EOT, tension may be erratic or the reels may creep. This symptom may even occur in the STOP mode. To correct this problem, perform the adjustments described in the following procedure.

### **ADJUSTMENT PROCEDURE**

1. Turn machine OFF.
2. Remove 4x6 screws (2) from back of top rear cover.
3. Remove top rear cover to expose reel motor assemblies.
4. Unplug RTS Board reel motor from assembly to be adjusted.
5. Remove 3x6 PSW screws (2) holding RTS Board.
6. While holding RTS Board, carefully bend the hall effect sensor so that it is parallel with PC board and approximately  $\frac{1}{32}$  inch from board surface. (Be careful not to break leads.)
7. Place RTS Board back in mounting position, and loosely install 3x6 PSW (2) screws.
8. While observing sensor from side, position sensor level with magnetic ring under turntable. Verify that clearance between front of sensor and magnetic ring is approximately  $\frac{1}{32}$  inch.
9. Tighten 3x6 PSW (2) mounting screws to secure RTS Board in place.
10. Replace rear top cover and install 4x6 screws (2).