

SECTION 10

AUDIO

ATR-100

Supply Reel Oscillation When Small Plastic Reels Are Used

All machines presently in the field as demonstrators will have some amount of oscillation which results in flutter when using plastic reels and slower speeds. This is due to the low mass at the supply reel. An engineering change is being made to eliminate this problem. On the reel servo PWA 4050778, R26 presently is a 16K, ¼W, 5% carbon film resistor. A change to 68K should solve the problem. It would be advisable to change this component as soon as possible.

MM-1200

Random Tracks Failing To Switch Out Of Sync Mode – Unable To Record

Several cases of failure to record have been reported. The problem is caused by a tolerance overlap on the audio switcher card, part no. 4050774-01. Occasionally the sync/repro relay K-4 will not de-energize in ~~play~~ record mode. A quick, temporary fix is to increase the 27 Vdc supply to 28 volts. However an E.C.N. has been written to change the zener voltage of VR-1 on the audio switcher card from 24 Vdc to 20 Vdc (Ampex Part No. 013-703). All machines coming from the factory with a 4050774-02 audio switching card will have the zener change implemented.