

3960-1

S E R V I C E N O T E

SUPERSEDES

MODEL: 3960 Tape Units

FILE NO. 42-072

Series No. 941

DATE: 12 December 1969

Serial No. 00101, 00103,
00105, 00107,
00109, 00112,
00117, 00119

SUBJECT: 3960 BIAS TRAP MISWIRE

Discussion:

A miswire has been found on the 3960 which in effect bypassed Bias Traps (L5-C5), (L6-C6), (L7-C7) and (L8-C8). The Signal to Noise ratio may be degraded by as much as 3 db on FM channels. Direct Record/Reproduce mode Signal to Noise ratio will not meet specifications when simultaneous Record/Reproduce mode is used; however, it will have no effect on the Signal to Noise ratio when measured as specified per (IRIG). This is due to bias leak-through from record to reproduce electronics in the Direct Record/Reproduce mode.

Corrective Action:

1. Remove 905 wire from (XA-5) Pin 10 and connect (XA-5) to Pin 9.
2. Remove 906 wire from (XA-6) Pin 10 and connect (XA-6) to Pin 9.
3. Remove 907 wire from (XA-7) Pin 10 and connect (XA-7) to Pin 9.
4. Remove 908 wire from (XA-8) Pin 10 and connect (XA-8) to Pin 9.

This connection will make the Bias Trap connections conform to the circuit schematic figure 5-4 of the 3960 Instrumentation Tape Recorder Manual Supplement, page 5-9/5-10.

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