

3960-2

S E R V I C E N O T E

SUPERSEDES

MODEL: 3960 Tape Unit

FILE NO. 42-073

Series No. 941

DATE: 12 December 1969

Serial No. 00101 to 00120
and 137

SUBJECT: 3960 BIAS TRAP INDUCTOR RELOCATION

Discussion:

Due to the present location of the Bias Trap Inductor coils L5, L6, L7, and L8 it is possible for them to pick up induced voltages from the wire harness that is routed parallel to them. This condition causes a degeneration in the Signal to Noise ratio on any Direct Record/Reproduce channel that is used in combination with other F.M. Record/Reproduce channels. By positioning the coils L5, L6, L7, and L8 perpendicular to the wire harness, they will not pick up these induced voltages.

Implementation:

Remove existing L5, L6, L7, and L8, H.P. Part Number 9140-0137, 1000 micro-henry inductor coils from connectors XA-5, XA-6, XA-7, and XA-8. Install new L5, L6, L7, and L8, H.P. Part Number 9140-0137, 1000 micro-henry inductor coils so that they are electrically connected to the same terminals of the connectors but positioned 90 degrees to their present position and resting between the respective connector mounting screw and connector Pin 10. Mount the inductor coils as close to the chassis as possible.

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