

#### PROFESSIONAL AUDIO DIVISION

### FIELD ENGINEERING BULLETIN

TITLE: VS-10 Causes Occasional Servo Instability

REF. NO. 70202

MODEL VS-10

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SUPERSEDES

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#### I. APPLICABILITY

All VS-10's using interconnect cable 4050738-01.

#### II. PURPOSE

Early VS-10 interconnect cables caused capstan servo instability occasionally. This modification completely eliminates the problem.

#### III. DISCUSSION

The existing interconnect cable must be rewired using existing wiring in the harness. A capacitor is removed from the connector shell and two resistors are substituted.

#### IV. PARTS LIST AND TOOLS REQUIRED

2 each resistors 47 OHM, 1/4W, 5% comp., P/N 041-425.

#### V. PROCEDURE

On interconnect cable 4050738-01:

- 1) Remove and discard capacitor C1 (30PF) from PINS 1 and 3 of P4.
- 2) Remove wire on P4-1 and move to P4-7 as shown in fig. 1.
- 3) Remove wire on P4-2 and move to P4-8 as shown in fig. 1.
- 4) Add 2 resistors R1 and R2 (47 OHM, 1/4W, 5%) P/N 041-425 to P-4 as shown in fig. 1.
- 5) The harness shielding will attach at one end only.

## **AMPEX**

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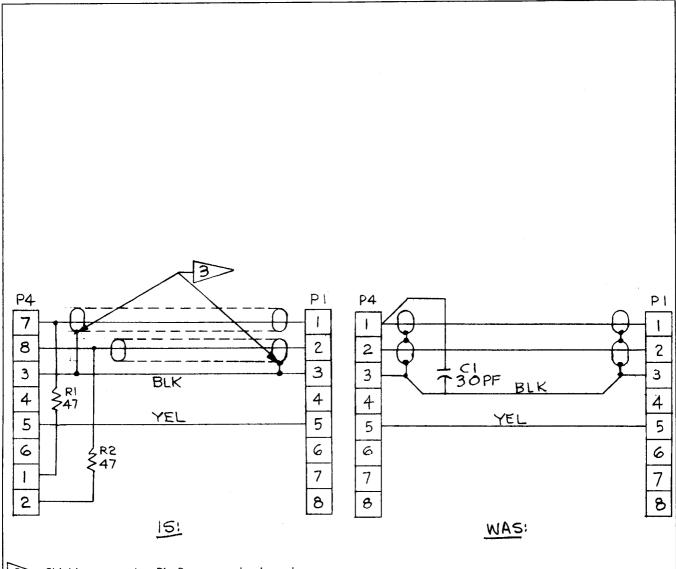
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3 Shield connected to Pin 3 at one end only as shown.

Figure 1.