TMC SPECIFICATION

NO.	S 1327
REV:	Ø
COMPILED: BG	CHECKED: JWR
APPD:	SHEET 1 OF 2
TITLE:	
1/28/74	

Inspection Procedure

for

P/O AVMC-1

(Units 19A, 19B, 19C)

A. Introduction:

Units 19A, 19B and 19C are three special equipment racks that are part of the Video Monitor Console. These racks contain the interconnecting cabling for the associated modular units that comprise the Video Monitor. The modular units are identified in Wiring Diagram CK8120. Refer to the wiring for cable termination from Units 19A, 19B and 19C.

B. Test Equipment Required:

1. Multimeter: Simpson 260, or equivalent
2. Wiring Diagram, CK8120C.

C. Equipment Rack Checkout Procedure:

1. Mechanical Visual Inspection
   Check each equipment rack for overall cleanliness. Check all threaded equipment mounting holes to insure proper threads for equipment mounting hardware.
2. Cable Identification
   Refer to Wiring Diagram and identify the cabling in accordance with the associated wiring diagram. Example:- The top unit in Rack B is an Audio Jack Panel, Model AJP-6. This unit is connected by a Cable, CA8038, which has two Winchester type plugs marked P1953 and P1954. In turn, this cable mates to J1953 and J1954. The Cable CA8038 originates at Unit 19A.

CONTINUITY CHECKS

Set multimeter on ohms RX1 Range
The Cable is tested for continuity by connecting ohmmeter test lead to ground, the other meter test lead to a pin in the connector, the other end of the cable is prepared for test by using a short wire jumper, one end of which is connected to ground. The other end of the ground wire has a small alligator clip to make connection to the pin in the socket. Observe meter for a full scale deflection when continuity is achieved. At the completion of the continuity checks, proceed to next portion of the test.

SHORT CIRCUIT CHECKS

Disconnect ground test wire from the connector at end of cable. Set Simpson ohmmeter on RX10K Range, with one of the meter test leads grounded, connect the other test meter lead to each pin individually, and observe meter for infinity readings.

CABLE ROUTING SYSTEM

The general cable routing system can best be achieved by the Wiring Diagrams, observing the CA numbers and designations, the wire point of origination and the wire destinations terminating at the components in the various racks and with the continuity checks previously described. This greatly simplifies the final connections of the three special equipment racks consisting of Units 19A, 19B and 19C.

CHECK OFF SHEET

VISUAL CHECK:

Mechanical ☐
Electrical ☐

CABLE ROUTING

19A ☐
B ☐
C ☐

CONTINUITY CHECK

19A ☐
B ☐
C ☐

SHORT CIRCUIT CHECK

19A ☐
B ☐
C ☐

NOTES:

SERIAL# ____________________ TESTER ____________________

MFG # ____________________ DATE ____________________

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TMC FORM MLR-1 2-65—AINS.