OPERATION AND MAINTENANCE
TERMINAL STATION
1 X N FREQUENCY DIVERSITY
DR 6/11-135A AND 135EC
DIGITAL RECEIVER ALARM

The following flowchart is used to clear the DIG RCV FAIL alarm indicator on the CHAN CONTR unit. If this alarm indicator is ON, the associated line terminal has a failure in its receiving circuits. Local indications and any necessary tests are referenced to determine the failed unit. When it has been determined which unit has failed, refer to the " Terminal" tab in the " Replacement Procedures" tab to replace the unit. If tests are necessary, refer to the " Terminal Procedures" tab in the " Tests and Adjustments" section.

This practice is reissued to add cable and cable equalizer requirements when IF interconnection distance is longer than 50 feet. The practice is used in binders 421-102-001, 421-102-080, 421-102-090, 421-102-100, 421-102-001AC, 421-102-002AC, 421-102-003AC, and 421-102-004AC.

Warning: To prevent ESD (electrostatic discharge) damage to a plug-in unit, ensure all ESD precautions are followed.

ISSUING ORGANIZATION

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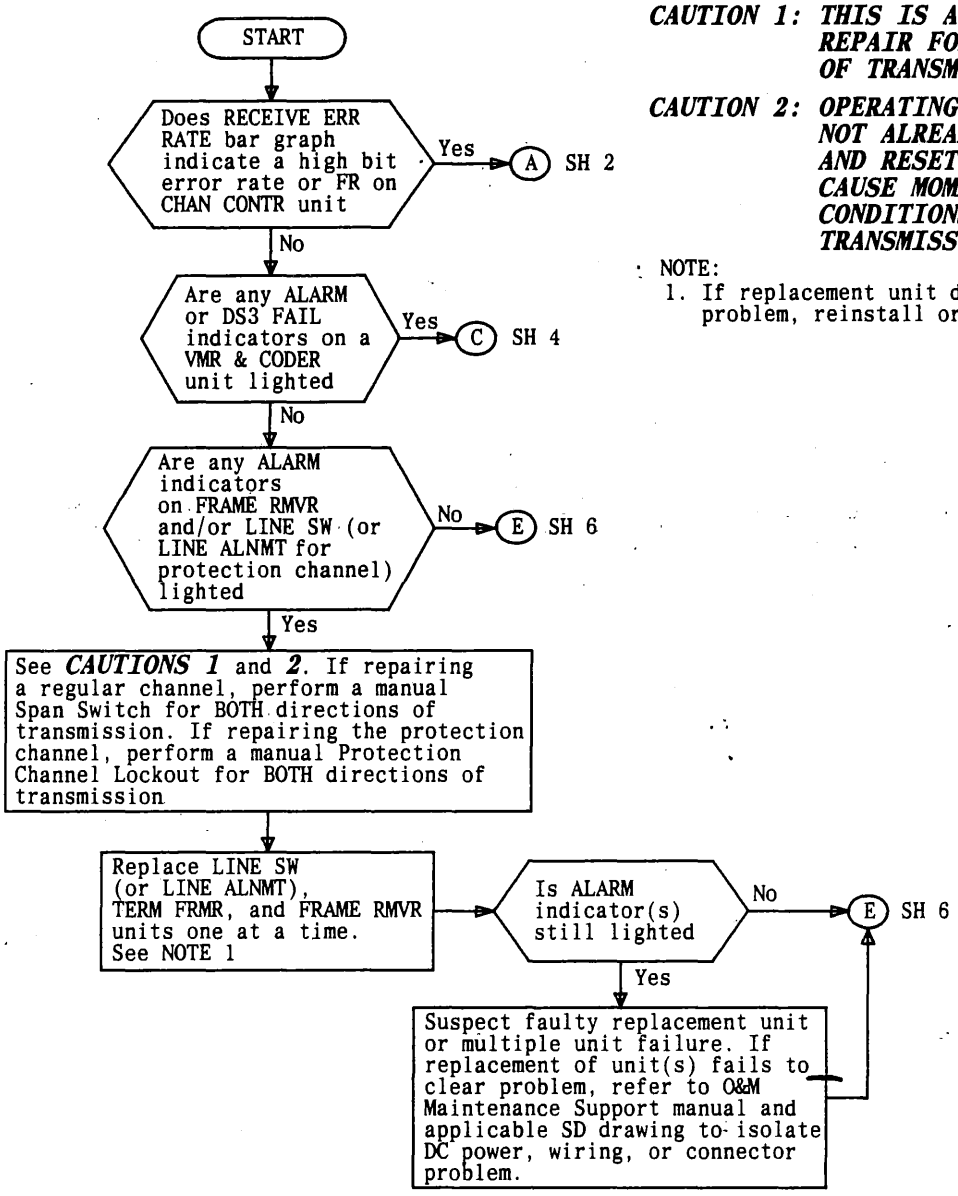
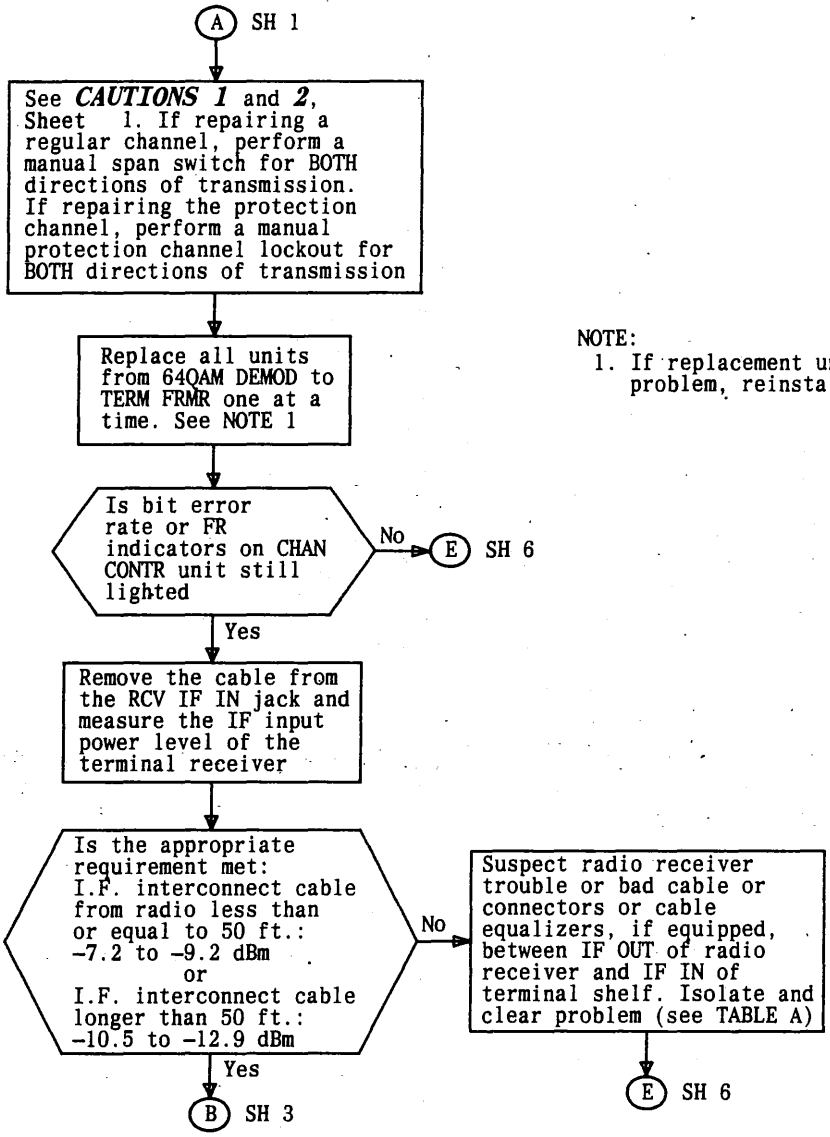


CAUTION 1: ***THIS IS A SERVICE AFFECTING REPAIR FOR BOTH DIRECTIONS OF TRANSMISSION.***

CAUTION 2: ***OPERATING THE SPAN SWITCH (IF NOT ALREADY SWITCHED AUTOMATICALLY) AND RESETTING THE SPAN SWITCH WILL CAUSE MOMENTARY OUT-OF-FRAME CONDITIONS ON THE DOWNSTREAM TRANSMISSION LINE.***

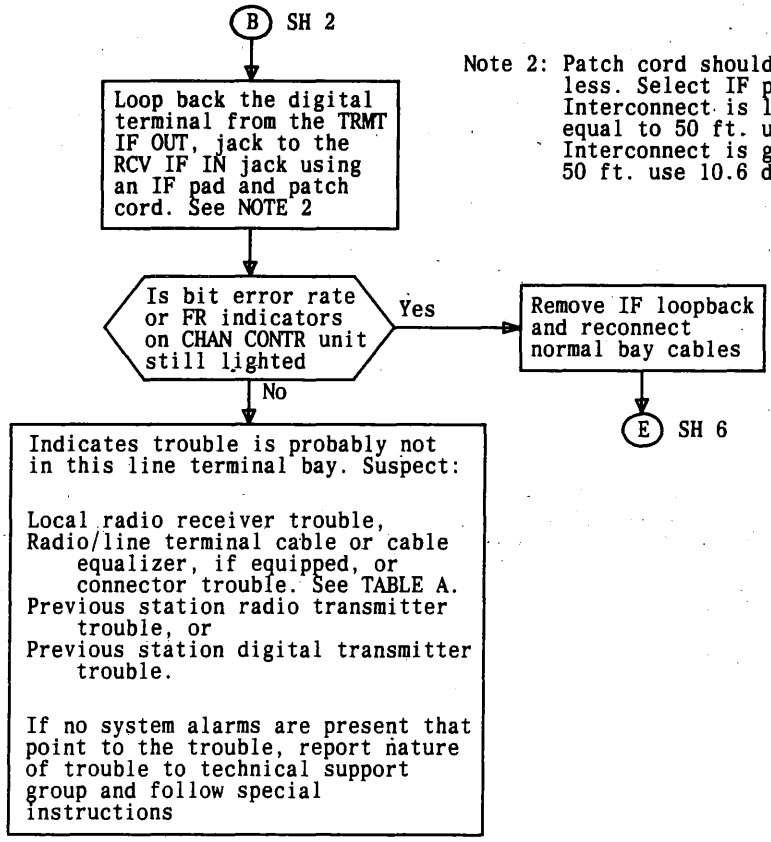
NOTE:
1. If replacement unit does not correct problem, reinstall original unit.

Line Terminal Bay Digital Receiver Alarm-Clearing Flowchart (Sheet 1 of 6)

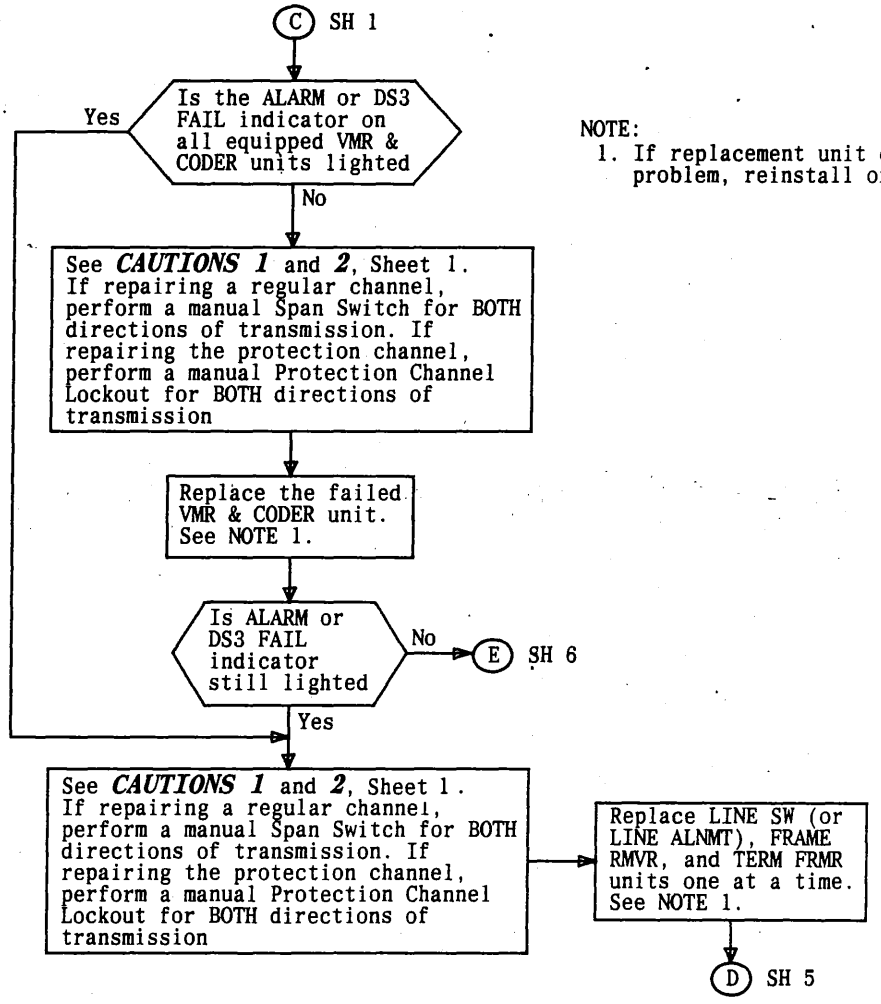


NOTE:
1. If replacement unit does not correct problem, reinstall original unit.

Line Terminal Bay Digital Receiver Alarm-Clearing Flowchart (Sheet 2 of 6)

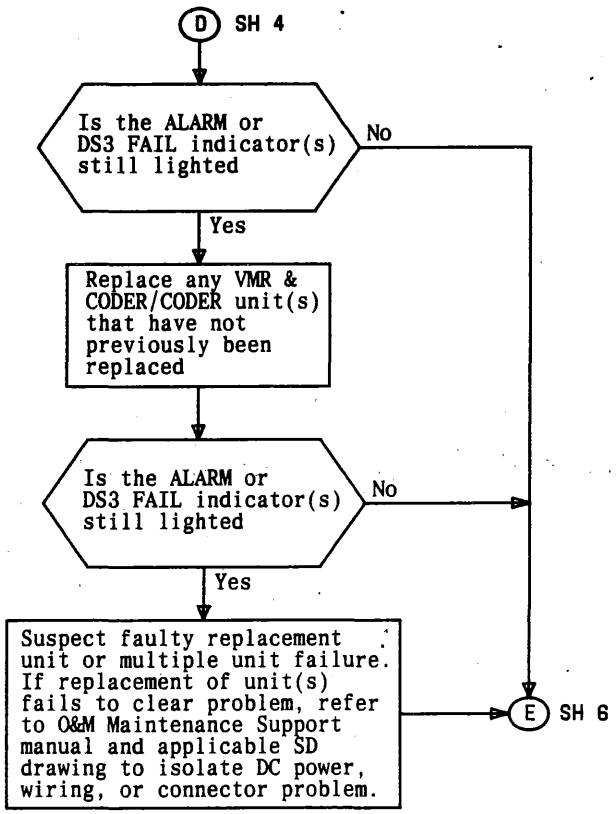


Line Terminal Bay Digital Receiver Alarm-Clearing Flowchart (Sheet 3 of 6)

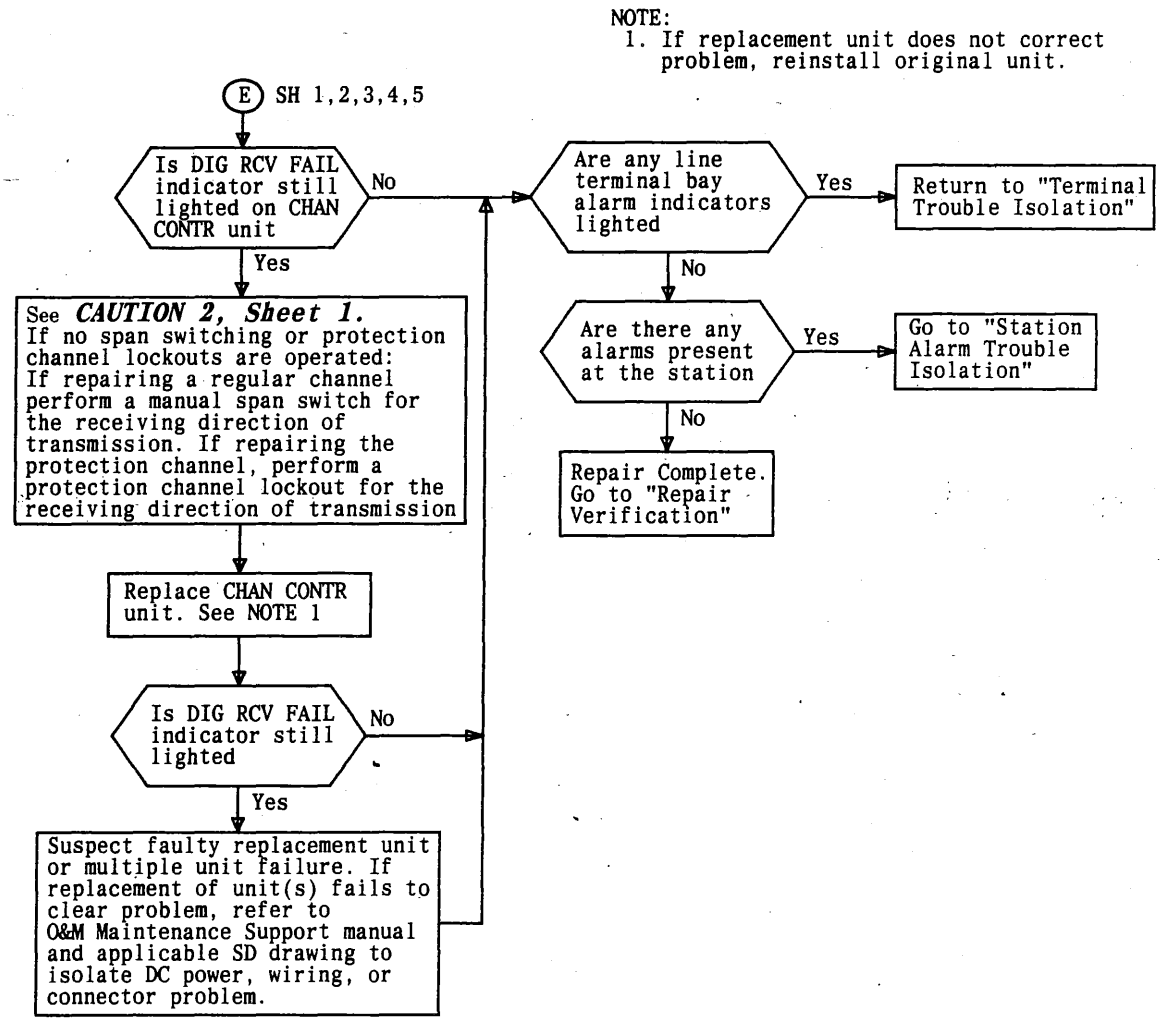


NOTE:
1. If replacement unit does not correct problem, reinstall original unit.

Line Terminal Bay Digital Receiver Alarm-Clearing Flowchart (Sheet 4 of 6)



Line Terminal Bay Digital Receiver Alarm-Clearing Flowchart (Sheet 5 of 6)



Line Terminal Bay Digital Receiver Alarm-Clearing Flowchart (Sheet 6 of 6)

TABLE A

CABLE AND CABLE EQUALIZER REQUIREMENTS WHEN I.F. INTERCONNECTION DISTANCE IS LONGER THAN 50 FEET

CABLE	CABLE LOSS (dB PER 100 FT.)
728B	2.2
731B	3.0
KS-19224,L2	6.0

CABLE EQUALIZER			INTERCONNECT CABLE (728B)		CABLE EQUALIZER PLUS INTERCONNECT CABLE *	
CODE	LOSS @ 70 MHz (dB)	SLOPE @ 70 MHz ± 12 MHz (dB)	LENGTH (FT.)	LOSS @ 70 MHz (dB)	LOSS @ 70 MHz (dB)	SLOPE @ 70 MHZ ±12 MHz (dB)
2003W	6.0 ± 0.2	+.3 to +.6	75	2.2 ± 1.0	8.2 ± 1.2	−.1 to +.3
2003Y	4.9 ± 0.2	+.5 to +.8	125	3.3 ± 1.0	8.2 ± 1.2	−.1 to +.3
2003AA	3.8 ± 0.2	+.7 to +1.0	175	4.4 ± 1.0	8.2 ± 1.2	−.1 to +.3
2003AB	2.7 ± 0.2	+1.0 to +1.3	225	5.5 ± 1.0	8.2 ± 1.2	−.2 to +.4
2003AC	1.6 ± 0.2	+1.2 to +1.5	275	6.6 ± 1.0	8.2 ± 1.2	−.2 to +.4

*NOTE:
1. These requirements are for the interconnect cable and the cable equalizer only. The KS-19224,L2 "MINI" coaxial cable connecting the equalizer to the digital equipment is not included.