

**OPERATION AND MAINTENANCE  
1 X N FREQUENCY DIVERSITY  
DR 6/11-135A AND 135EC  
FAN FAIL ALARM**

The following flowchart is used to clear a FAN FAIL alarm indicator on the fan shelf. When a unit has failed, refer to the "Terminal" or "Regenerator" tab in the "Replacement Procedures" tab to replace the unit.

*This practice is reissued to include the regenerator station. 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, 421-102-004AC, 421-103-001, 421-103-080, 421-103-090, 421-103-100, 421-103-001AC, 421-103-002AC, 421-103-003AC, and 421-103-004AC.*

This procedure is not service-affecting. No service protection activity is required.

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

Each of the three fans and the fan control PWB (printed wiring board) are protected by input fuses as shown in Fig. 1. The fuses should always be checked before replacing any unit in the fan shelf.

An inoperative fan is indicated by the FAN 1, 2, or 3 FAIL indicator on the front of the fan shelf. If only one FAN FAIL indicator is lighted, assume that the associated fan or input fuse to the fan is defective and should be replaced. If fan replacement does not clear the alarm, if more than one FAN FAIL indicator is lighted, or if no FAN FAIL indicators are lighted, assume that a fan control PWB or its associated CONTROL input fuse is defective.

If no FAN FAIL indicators are lighted, the COM ALARM indicator will be lighted on the MSTR ALARM (terminal) or REGEN CONTR (regenerator) control and service channel shelf. Also, if a centralized alarm-reporting system is used, a remote fan failure scan point will be generated.

**ISSUING ORGANIZATION**

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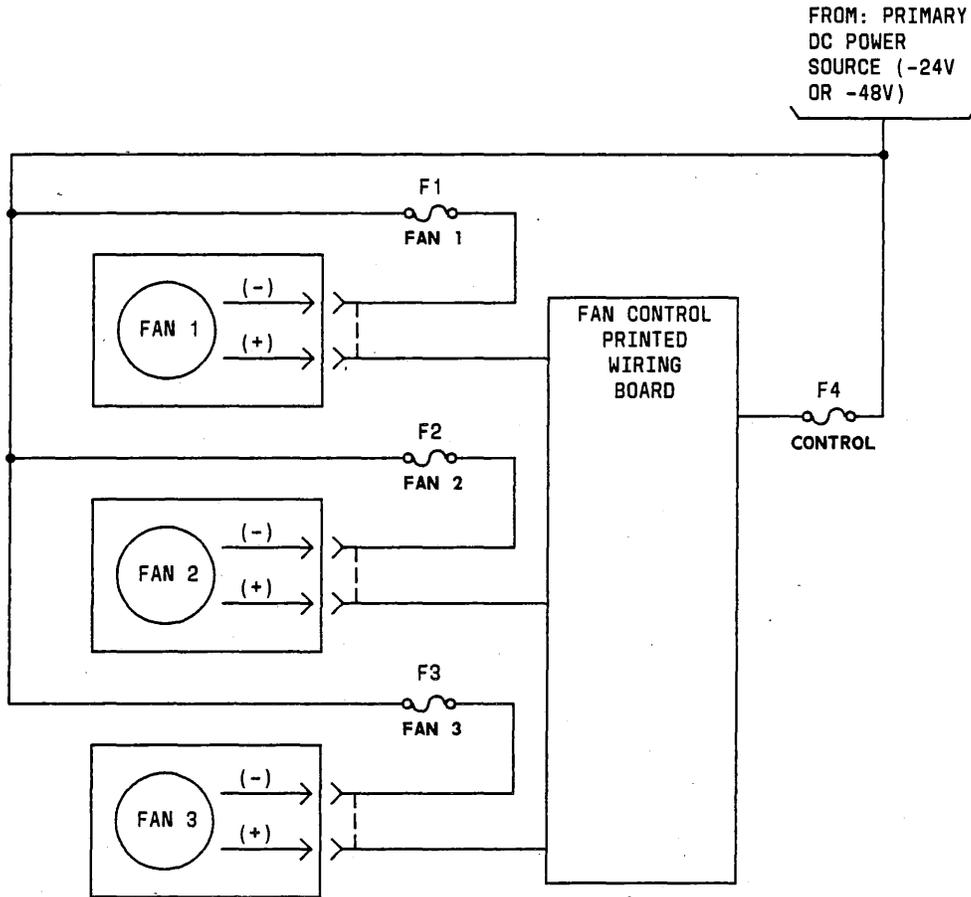
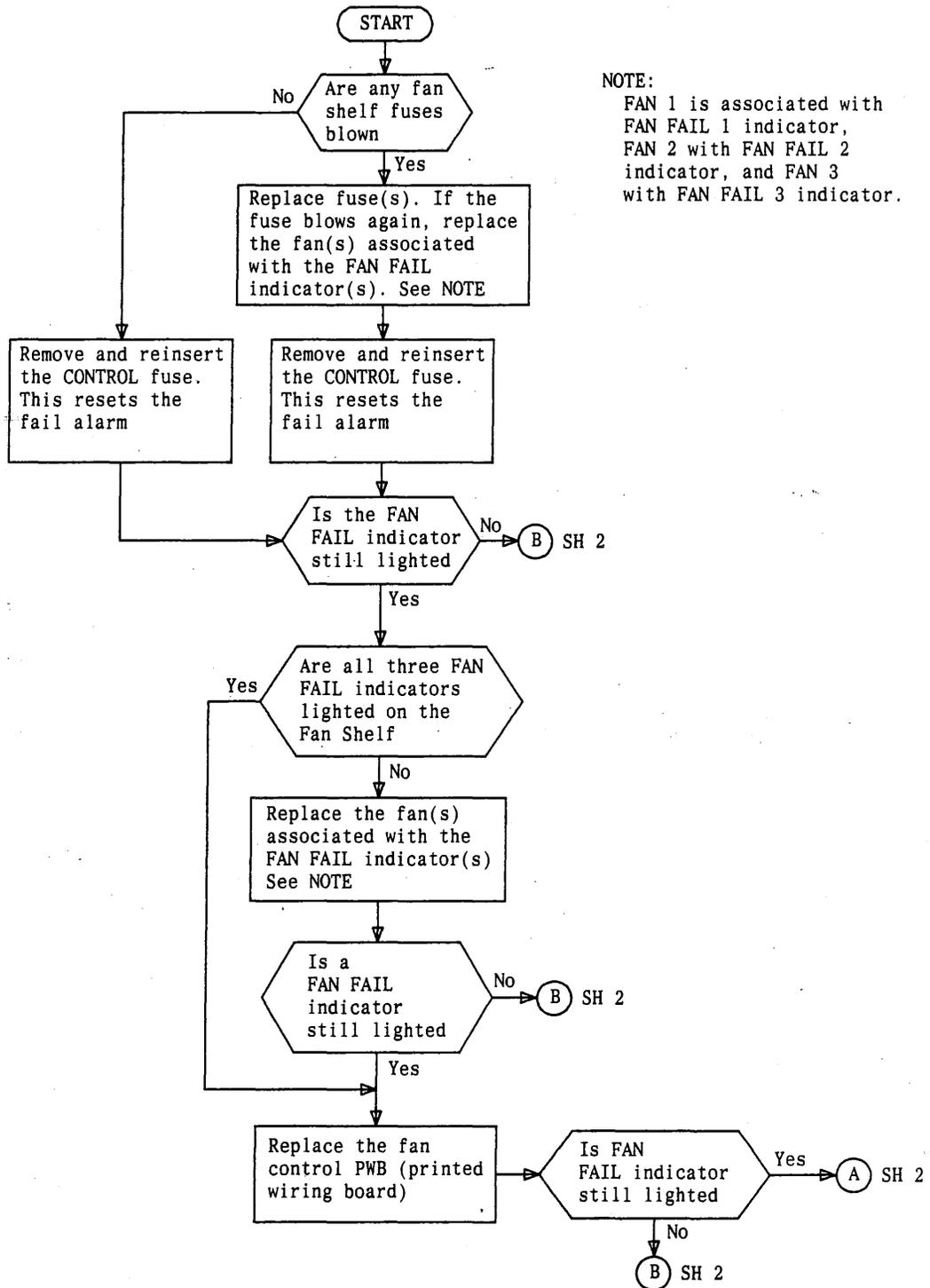
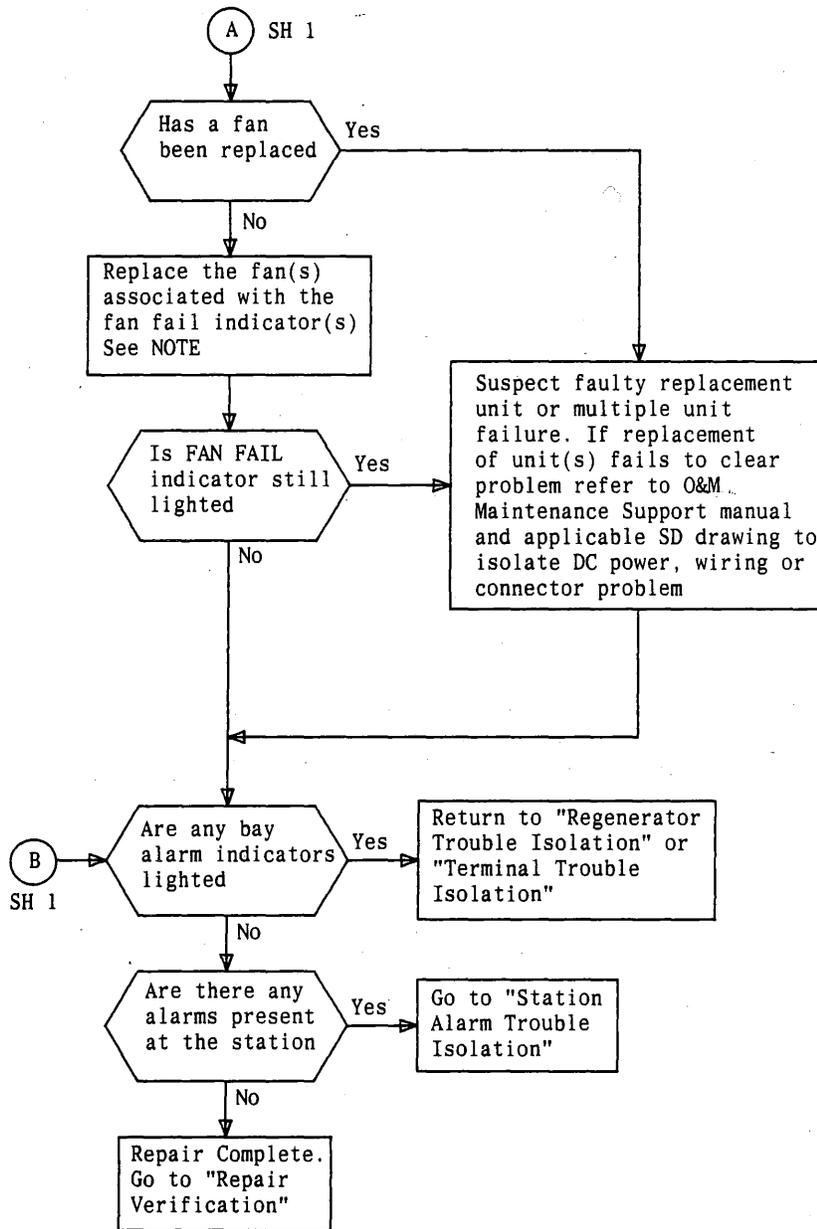


Fig. 1—Bay Fan Fusing



NOTE:  
 FAN 1 is associated with FAN FAIL 1 indicator, FAN 2 with FAN FAIL 2 indicator, and FAN 3 with FAN FAIL 3 indicator.

Bay Fan Fail Alarm-Clearing Flowchart (Sheet 1 of 2)



Bay Fan Fail Alarm-Clearing Flowchart (Sheet 2 of 2)