

Airworthiness Directive

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

Amendment 39-838; AD **69-16-01**

BOEING Model 727, 727C, and 727-200 Series Airplanes

PDF Copy (If Available):

▼ Preamble Information

DATES: Effective September 12, 1969.

▼ Regulatory Information

69-16-01 BOEING: Amdt. 39-838. Applies to Boeing Model 727, 727C, and 727-200 Series Airplanes.

Compliance required within 300 hours time in service after the effective date of this AD as indicated, unless already accomplished.

To provide the flight crew with more complete procedures to be followed if all generators are lost change the Airplane Flight Manual to read the following, or make an equivalent change approved by the Chief, Aircraft Engineering Division, FAA Western Region.

(a) Boeing 727 series (except 727-31, -31C, and 231), Airplane Flight Manual, Emergency Procedures Section, Loss of All Generators paragraph,

must be revised to read:

LOSS OF ALL GENERATORS

Phase I

Essential power selector - STANDBY

Battery Switch - Check ON

PHASE II

Any generator field relay - CLOSE

Repeat if necessary until voltage and frequency of a generator are normal.

When voltage and frequency are normal switch essential power selector to operating generator.

NOTE: If a differential fault is indicated in any generator system, an automatic lockout feature prevents closing of the field relay. This lockout feature can be bypassed by momentarily moving the battery switch to OFF, then back ON, or by manually tripping and resetting the associated generator DC control circuit breaker.

Phase III

Restore system to normal if desired.

NOTE: Leave generator supplying essential power isolated until system integrity is verified.

Remove heavy electrical loads (galley, air conditioning pack fans, etc.) or Open bus tie breakers (if closed) before closing Generator Control Breakers. For further information, see electrical systems operation, Normal Procedures - Section III.

(b) Boeing 727 series 727-31, -31C, and 231, Airplane Flight Manual, Emergency Procedures Section, Loss of All Generators paragraph, must be revised to read:

LOSS OF ALL GENERATORS

Phase I

Emergency Power Switch - ON

Battery Switch - Check ON

Phase II

Any generator field relay - CLOSE

Repeat if necessary until voltage and frequency of a generator are normal.

When voltage and frequency are normal switch essential power selector to operating generator.

NOTE: If a differential fault is indicated in any generator system, an automatic lockout feature prevents closing of the field relay. This lockout feature can be bypassed by momentarily moving the battery switch to OFF, then back ON, or by manually tripping and resetting the associated generator DC control circuit breaker.

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NOTE: Leave generator supplying essential power isolated until system integrity is verified.

Remove heavy electrical loads (galley, air conditioning pack fans, etc.) or Open bus tie breakers (if closed) before closing Generator Control Breakers.

For further information, see electrical system operation, Normal Procedures - Section III.

The effective date of amendment 39-810 is revised to "August 15, 1969."

Effective August 15, 1969.

Revised September 12, 1969.