



# SERVICE INFORMATION LETTER

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SERVICE LETTER NO. .0020  
FAA APPROVED  
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DATE: February 18, 1971

SUBJECT: Revision to Electrical Distribution System

MODEL: F-28A

EFFECTIVITY: All Serial Numbers thru Number 64

REASON: To improve voltage stabilization at panel D.C. bus

COMPLIANCE: At owner's discretion

It has been found from field reports and engineering evaluation of the F-28A electrical system that voltage variations occur when certain appliances are switched on. This voltage variation in the panel D.C. bus can easily be detected by a noticeable fluctuation and drop on the engine instrument cluster readings. When appliances are put on or removed from the D.C. bus, a fluctuation in the instrument cluster is normal, but a drop in the readings is not normal.

This condition described above is most prevalent when the running lights or panel lights are put on the D.C. bus. In both cases this was traced to an unbalanced ground circuit and can be corrected as follows.

Refer to Page MM-9-14 F-28A Maintenance Manual or to enclosed schematic. On terminal strip T-2 located under instrument panel console, remove ground wire #34-1 from terminal #5. The opposite end of #34-1 is to be removed from panel ground bar GB1-7, discard #34-1 wire. Replace #34-1 wire with a #12 gauge wire 36" long of the approved type MIL-W-5086 or equivalent. Attach one end to terminal strip T-2, terminal #5, the opposite end to be securely grounded to airframe structure below floor.

Note: Any additional electrical appliances that maybe installed in the panel should be grounded at terminal strip T-2 or direct to airframe.

