

Revision 11
First Printing May 2005

The AeroElectric Connection

Information Service and Guide
to
Theory, Operation, Design and Fabrication
of
Aircraft Electrical Systems

Published by: Bob Nuckolls
AeroElectric Connection
6936 Bainbridge Road
Wichita, Kansas 67226-1008
Phone 316-685-8617
Email: aeroelectric.com/nuckolls
Website: aeroelectric.com

Table of Contents

Chapter	Topic
1	D.C. Fundamentals
2	Batteries
3	Engine Driven Power Sources
4	Voltage Regulators
5	Grounding
6	Over Voltage Protection
7	Electrical System Instrumentation
8	Wire Selection and Installation
9	Wire Termination and Connectors
10	Circuit Protection
11	Switches, Relays and Contactors
12	Lighting and Lighting Controls
13	Antennas and Feedlines
14	Temperature Measurement
15	(reserved) Pressure Measurement
16	Electromagnetic Compatibility (Noise)
17	Electrical System Reliability
18	Audio Systems
Appendix Z	Power Distribution Diagrams

List of Effective Pages

As the 'Connection grows, new material will be added and old material will be updated. To assist in the revision process, any new materials will be accompanied by this page which replaces previous versions. This list describes the complete set of pages which make up the latest revision to the AeroElectric Connection. When revised pages are issued, the old pages they replace may be discarded.

Effective Pages for Revision 10	
Page Number(s)	Revision Date
Cover	May 2005
i through ii	May 2005
1-1 through 1-13	November 2001
2-1 through 2-12	August 1998
3-1 through 3-9	None (original issue)
4-1 through 4-9	None (original issue)
5-1 through 5-7	April 2000
6-1 through 6-8	None (original issue)
7-1 through 7-21	June 1992
8-1 through 8-16	None (original issue)
9-1 through 9-8	None (original issue)
10-1 through 10-5	April 2000
11-1 through 11-23	August 1998
12-1 through 12-18	None (original issue)
13-1 through 13-28	None (original issue)
14-1 through 14-25	None (original issue)
15-1/15-2	August 1998
16-1 through 16-16	July 1997
17-1 through 17-14	April 2000
18-1 through 18-14	May 2005
Z-1 through Z-10	May 2005
Figures Z-11 through Z-30	May 2005
Items in bold type were generated or changed with Revision 11	