



AEROSPACE RECOMMENDED PRACTICE

ARP1481™

REV. B

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Superseding ARP1481A

Corrosion Control and Electrical Conductivity in Enclosure Design

RATIONALE

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Documents

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1. SCOPE:

Corrosion control is always of concern to the designer of electronic enclosures. The use of EMI gaskets to provide shielding often creates requirements that are in conflict with ideal corrosion control. This SAE Aerospace Recommended Practice (ARP) presents a compatibility table (see Figure 1) which has as its objective a listing of metallic couples that are compatible from a corrosion aspect and which still maintain a low contact impedance.

2. REFERENCES:

2.1 Applicable Documents:

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1.1 U.S. Government Publications: Available from DODSSP, Subscription Services Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MIL-M-3171	Magnesium Alloy, Processes for Corrosion Protection
MIL-C-5541B	Chemical Conversion Coatings on Aluminum and Aluminum Alloys - June 30, 1970
MIL-C-81706	Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys - June 30, 1970
MIL-STD-889	Dissimilar Metals