

Test Procedure for Electrical Ground Attachments

SAE/USCAR-26 REVISION 1
July 2023

ISBN: 978-1-4686-0642-3





SAE/USCAR-26 REVISION 1

Issued	2003-08
Reaffirmed	2022-02
Stabilized	2023-07

TEST PROCEDURE FOR ELECTRICAL GROUND ATTACHMENTS

STABILIZED NOTICE

This document has been declared "Stabilized" by USCAR and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

The research data, analysis, conclusion, opinions, and other contents of this document are solely the product of the authors. Neither the SAE International (SAE) nor the United States Council for Automotive Research (USCAR) certifies the compliance of any products with the requirements of nor makes any representations as to the accuracy of the contents of this document nor to its applicability for purpose. It is the sole responsibility of the user of this document to determine whether or not it is applicable for the purposes.

Copyright © 2023 USCAR

All rights reserved.

QUESTIONS REGARDING THIS DOCUMENT: (248) 273-2470 **FAX (248) 273-2494**
TO PLACE A DOCUMENT ORDER: (724) 776-4970 **FAX (724) 776-0790**

Full document details: SAE USCAR26-1



Documents
Document Sharing Hub

Printed in U.S.A.

SUMMARY OF CONTENTS

1. SCOPE	2
2. REFERENCES	2
3. DEFINITIONS	2
4. GENERAL REQUIREMENTS	2
4.1. Test Equipment and Tolerances	2
4.1.1. Test tolerances are per SAE/USCAR-2 except as noted	2
4.1.2. Test equipment required is shown in table 1	2
4.1.3. Test Fixture	3
4.2. Test Samples	3
4.2.1. Sample Quantity	3
4.2.2. Test Coupons	4
4.2.3. Terminal Preparation	4
4.2.4. Ground Wire Attachment to Test Coupon	4
4.2.5. Assembly of Test Samples	5
4.2.6. Grouping of Samples	5
4.3. Test Procedures	5
4.3.1. Biasing Samples	5
4.3.2. Test Schedule	5
4.4. Thermal Shock	6
4.5. Random Vibration	7
4.6. Temperature/Humidity Cycling	7
4.7. Salt Fog	7
4.8. Resistance Measurement	7
5. ACCEPTANCE CRITERIA	7
6. SUMMARY OF TEST DATA	8
6.1. Test Information	8
7. FIGURES	8