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Welding, Brazing, and Soldering— Materials and Practices—SAE J1147

SAE Information Report
Approved July 1976

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THIS IS A PREPRINT AND WILL
APPEAR IN THE NEXT EDITION
OF THE SAE HANDBOOK

Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096



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Report of AWS SAE Joint Committee on Automotive Welding approved July 1976.

1. The Joint AWS/SAE Committee on Automotive Welding was organized on January 16, 1974, for the primary purpose of facilitating the development and publication of various documents related to the selection, specification, testing, and use of welding materials and practices, particularly for the automotive and related industries. A secondary purpose is the dissemination of technical information.

1.1 SAE participation in this activity is intended to insure that the needs and thinking of the industries mentioned are adequately considered prior to publication of selected Standards, Recommended Practices, and Information Reports. To this end, such documents are subject to the approval of the SAE General Materials Council, as well as the Joint AWS/SAE Committee and the AWS Board of Directors.

1.2 Documents which are approved by the Council are printed as separate sheets or booklets, with both AWS D number and SAE HS J number identifications. They are not published in the SAE Handbook. SAE numbered items approved to date of this Information Report are:

(A) SAE HS J1156 (AWS D8.6): Automotive Resistance Spot Welding Electrodes. This document recommends a "standard" for spot welding elec-

trodes suitable for use by smaller suppliers to the automotive industry. Typical electrode cap "standards" of the major automobile manufacturers are included for information purposes.

2. The SAE Metal Joining Subcommittee (disbanded prior to organization of the Joint AWS/SAE Committee on Automotive Welding) developed the following document. This, also, is published only as a handbook supplement.

(A) SAE HS J836: Automotive Metallurgical Joining. This document is an abbreviated summary of metallurgical joining, brazing, and soldering, intended to reflect usage in the automotive industry.

3. Copies of SAE and AWS documents are available from the following addresses:

Society of Automotive Engineers, Inc.
Dept 325
400 Commonwealth Drive
Warrendale, PA 15096

American Welding Society
2501 NW 7th St.
Miami, FL 33125

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