


AWS D8.9M:2012
An American National Standard



Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials



American Welding Society®



AWS D8.9M:2012
An American National Standard

Approved by the
American National Standards Institute
February 22, 2012

Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials

3rd Edition

Supersedes AWS/SAE D8.9M:2002

Prepared by the
American Welding Society (AWS) D8 Committee on Automotive Welding

Under the Direction of the
AWS Technical Activities Committee

Approved by the
AWS Board of Directors

Abstract

This document presents standard test methods for evaluating the resistance spot welding behavior of automotive sheet steels. The document contains a number of tests and test methods useful in determining the resistance spot welding performance of coated and uncoated automotive sheet steels of all strength levels and compositions. The test methods are designed to assess current range, electrode endurance, and weld properties of automotive sheet steels. The weld property tests include tests for hold time sensitivity, weld hardness, shear tension strength, and cross tension strength.



American Welding Society®
550 N.W. LeJeune Road, Miami, FL 33126

International Standard Book Number: 978-0-87171-808-2
American Welding Society
550 N.W. LeJeune Road, Miami, FL 33126
© 2012 by American Welding Society
All rights reserved
Printed in the United States of America

Photocopy Rights. No portion of this standard may be reproduced, stored in a retrieval system, or transmitted in any form, including mechanical, photocopying, recording, or otherwise, without the prior written permission of the copyright owner.

Authorization to photocopy items for internal, personal, or educational classroom use only or the internal, personal, or educational classroom use only of specific clients is granted by the American Welding Society provided that the appropriate fee is paid to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, tel: (978) 750-8400; Internet: <www.copyright.com>.