



**mga research corporation**

**ROSEN ENTERTAINMENT SYSTEMS  
LEXUS FRONT LH 10-WAY POWER SEAT  
FMVSS 202A S4.3 DYNAMIC SLED TEST  
(PO #RE 2008)**

446 executive drive • troy, mi 48083  
248 / 577-5001 • fax 248 / 577-5025  
[www.mgaresearch.com](http://www.mgaresearch.com)





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**TEST REPORT**

**MGA REPORT NO.:** C09S7-028.2  
**TEST(S) PERFORMED ON:** June 18, 2009  
**TEST DESCRIPTION:** FMVSS 202a S4.3 Dynamic  
**ITEM DESCRIPTION:** Lexus Front LH 10-Way Power Seat  
(PO #RE 2008)  
**TEST REFERENCE NUMBER(S):** S09290  
**PROCEDURE NUMBER:** MGATPDST\_#1  
Date of Last Revision: 04/30/2007  
**SUBMITTED TO:** Curt Kucera  
Rosen Entertainment Systems  
1120 California Avenue  
Corona, CA 92881  
**TEST LABORATORY:** MGA Research Corporation  
446 Executive Drive  
Troy, Michigan 48083  
**REPORT/INVOICE DATE:** June 22, 2009  
**MGA PERSONNEL:**

Herman W. Mangum  
Project Leader

Test Personnel:  
Nick Frank  
Rob Taylor  
Ken Scales

- \* The results presented in this report relate only to the specified test items.
- \*\* This report shall not be reproduced except in full, without the written approval of the laboratory.

**Test Results**

The seats were evaluated by post-test inspection. ATD instrumentation was used to calculate the head-to-torso rotation. Test photographs as well as data processing and graphs can be found in Appendix B. All data is traceable to the National Institute of Standards and Technology (NIST).

MGA Test #	Sample Description	Sample ID	Track Position (ATD)	Peak Accel. (G)	Peak Carriage Velocity (mph)	Maximum Head-Torso Angle (deg) Req't <12	HIC <sub>15</sub> Req't <500	H/R Width (mm) Req't >170	Post-Test Comments
S09290	Front LH 10-Way Power	Sample #2	Mid/FD/FD (AM50)	9.2	10.9	1.73	53.50	251	Seat met FMVSS 202a S4.3 specified requirements.

Additional test documentation can be found in the following appendices.

Appendix A Test Related Documents

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Appendix B Test Data Plots and Photographs

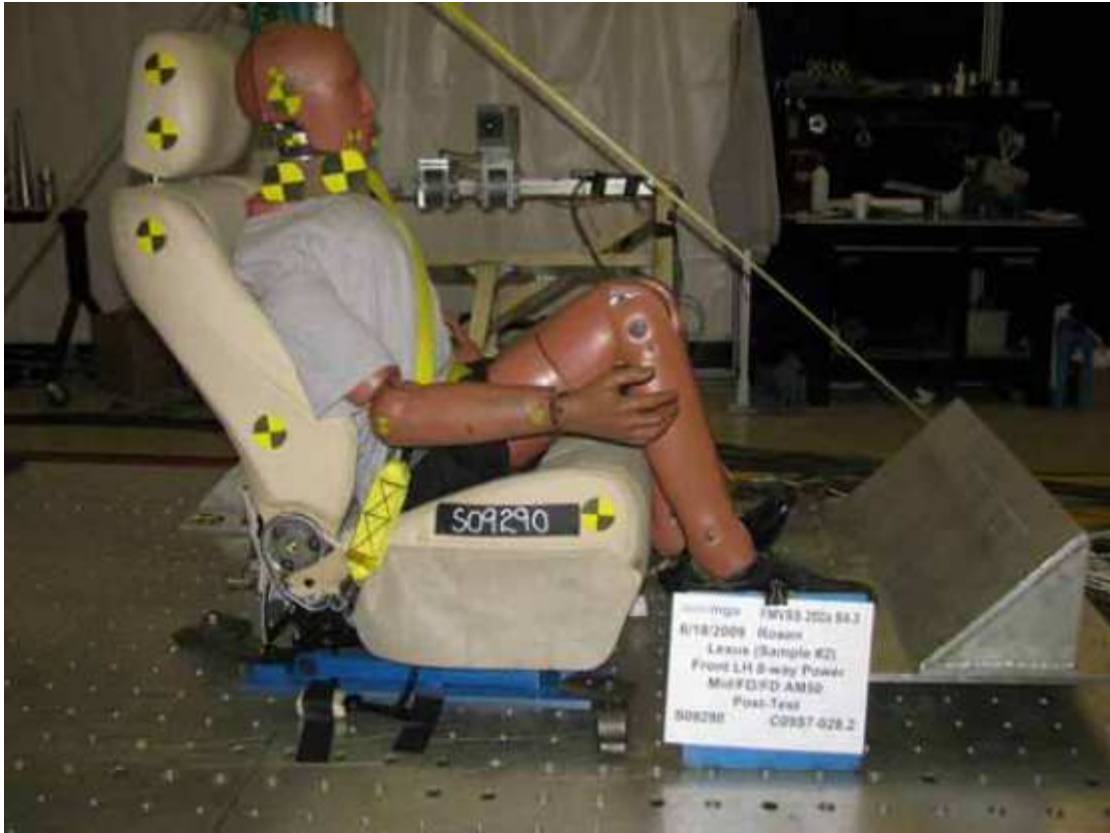
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**States Rosen PASSED the FMVSS 202a testing requirements!**

**Test Photos**



Pre-Test Photo #3 of Test #S09290



Post-Test Photo #3 of Test #S09290



Post-Test Photo #4 of Test #S09290