

**DYNAMIC TESTING
OF THE
R1209 POWER TRANSFER SEAT**

MGA Reference No.: C12S3-023.1

Test Date: November 30, 2011

Report Date: December 14, 2011

FINAL REPORT

PREPARED FOR:

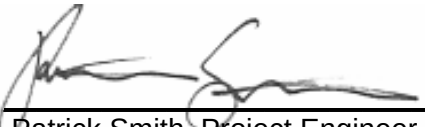
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SIGNATURE APPROVAL PAGE

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The results presented in this report relate only to the specified test items.

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OVERALL TEST SUMMARY

This report documents the results of two (2) tests conducted for Ricon Corporation. The purpose of the testing was to determine structural integrity of the R1209 Power Transfer seat.

The test set-up included a R1209 Power Transfer seat being mounted on the sled test carriage. The R1209 Power Transfer seat was mounted forward facing for test H111138 and mounted aft facing for test H111139.

To document the tests, two (2) offboard cameras, one (1) onboard and one (1) overhead cameras were used.

The tests were conducted at the Wisconsin Operations of MGA Research Corporation in Burlington, Wisconsin on November 30, 2011.

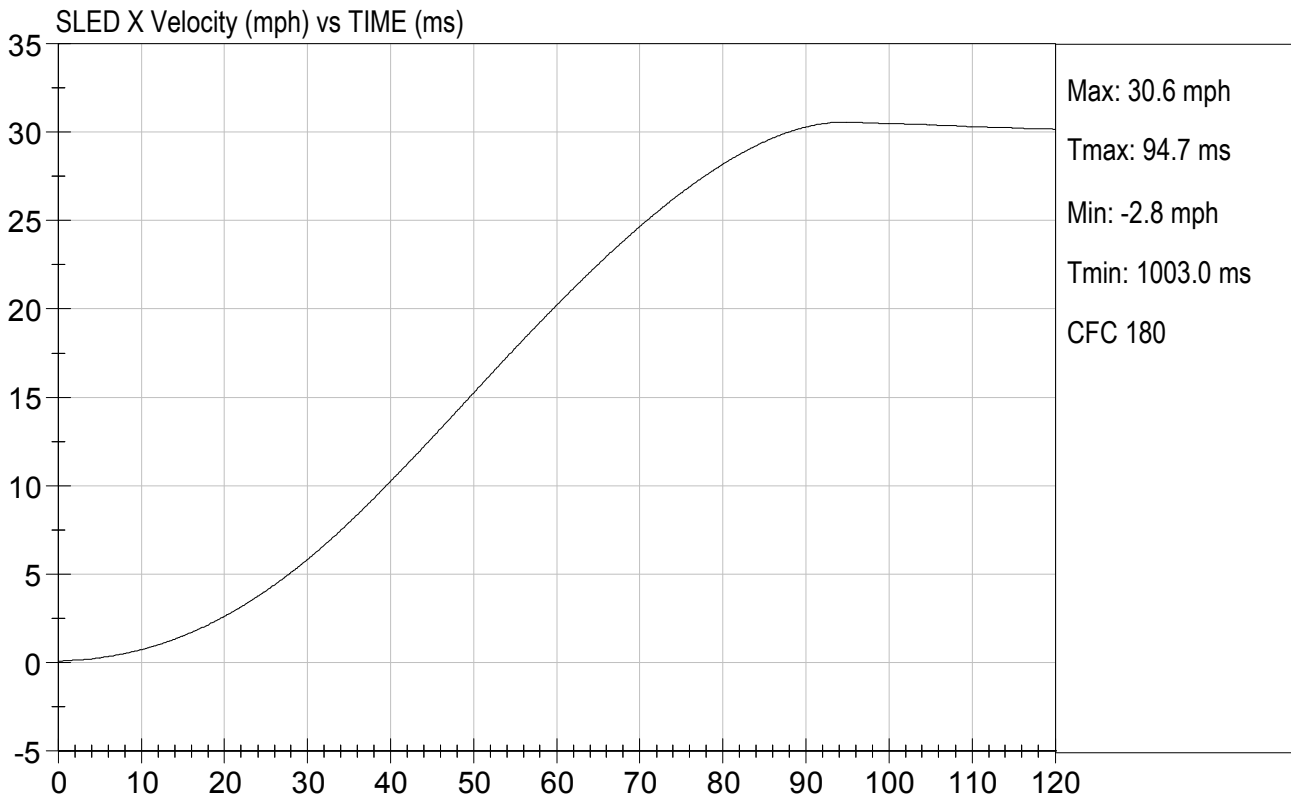
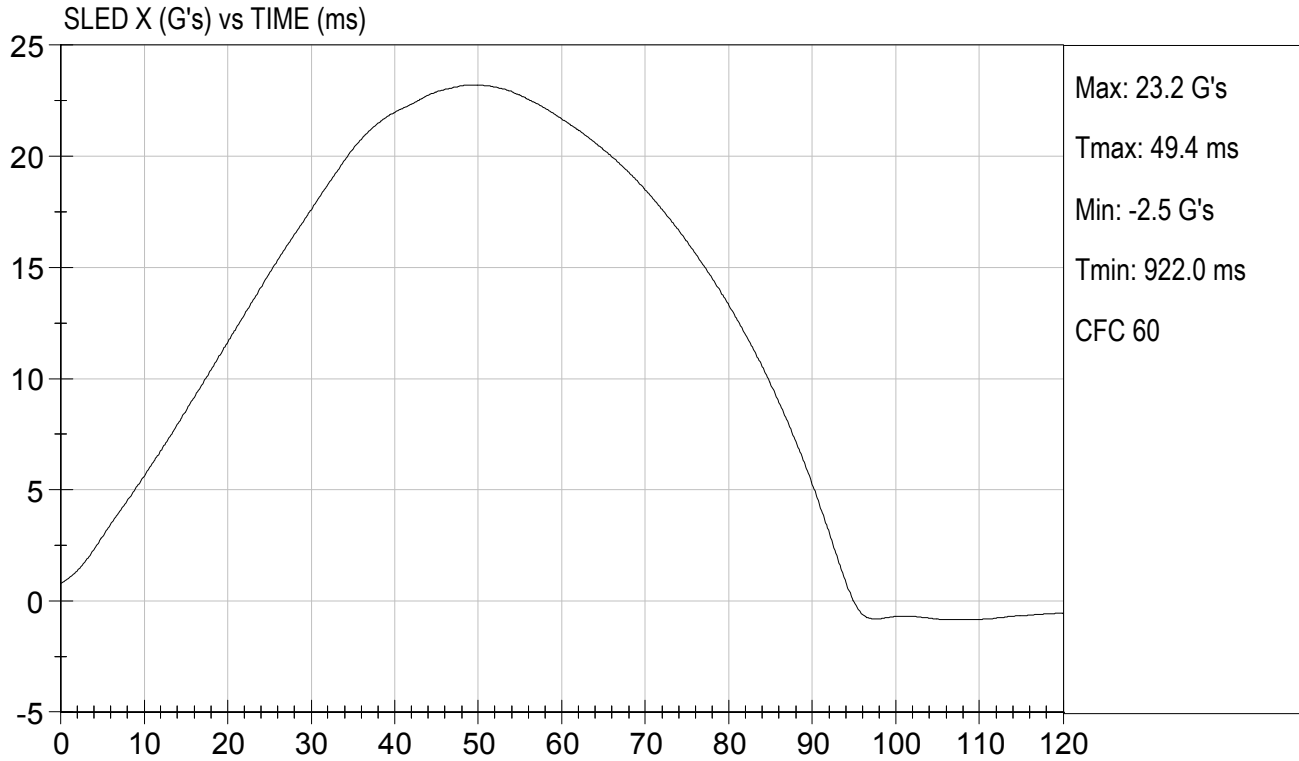
TEST RESULTS

Impact pulse data for the tests are summarized in Table 1-1.

Table 1-1
Impact Pulse Data

	H111138	H111139
Peak Acceleration (g)	23.22	23.27
Velocity (mph)	30.58	30.52

TEST H111138
DATA PLOTS AND PHOTOGRAPHS

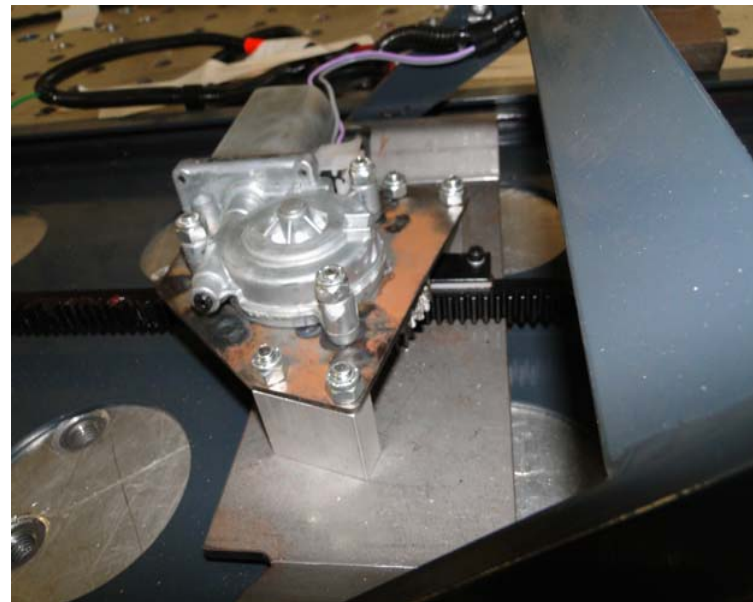
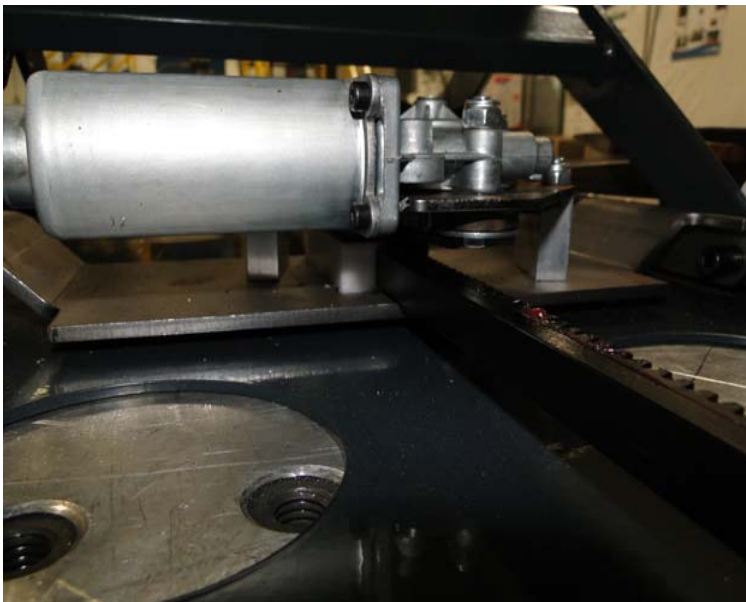
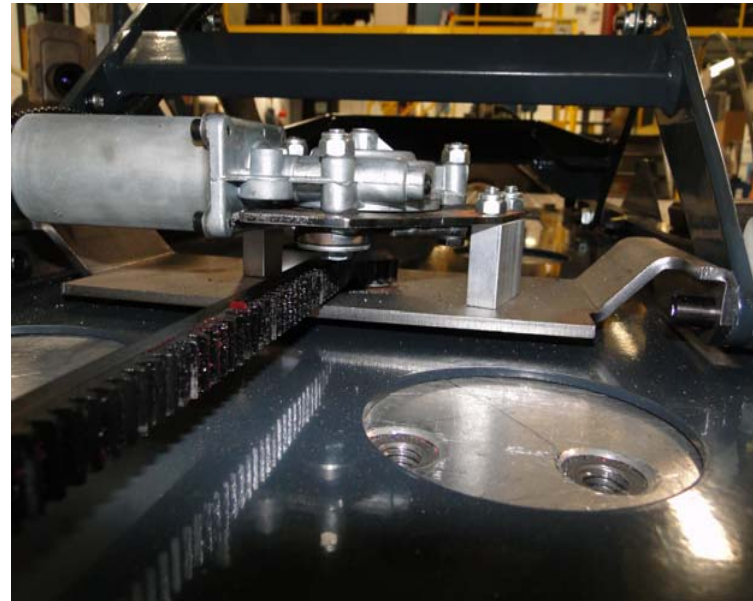
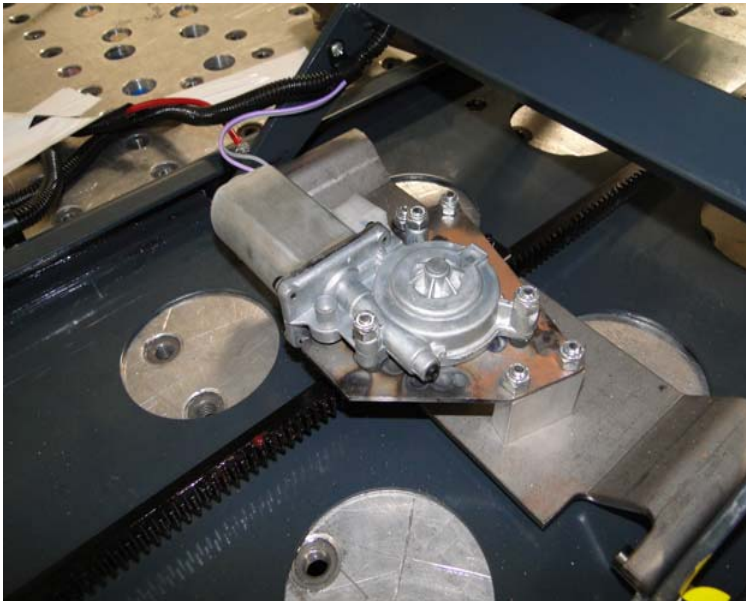


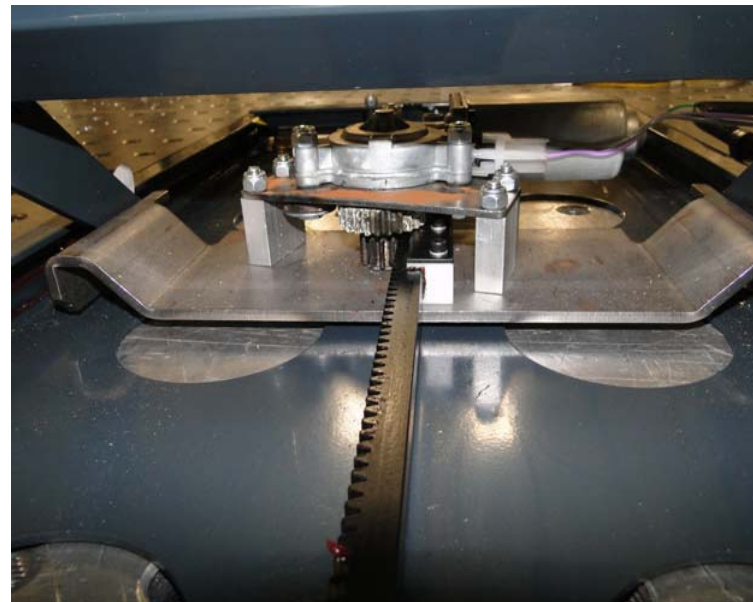
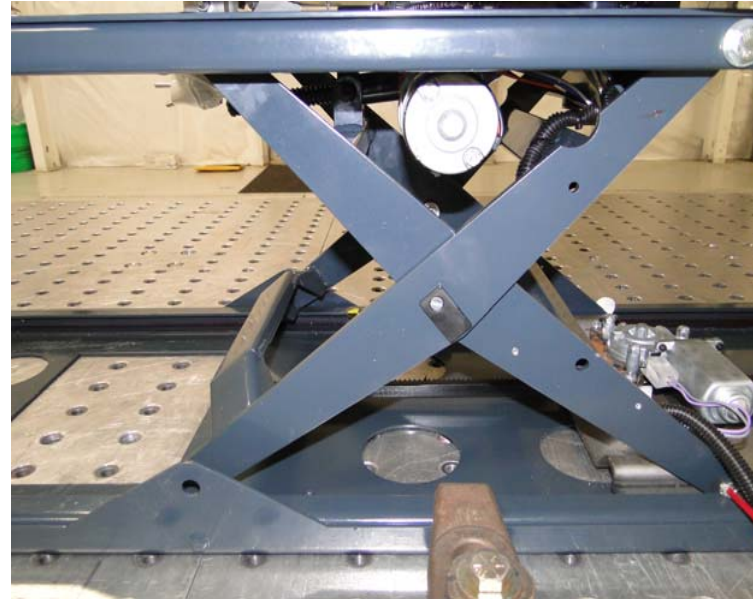
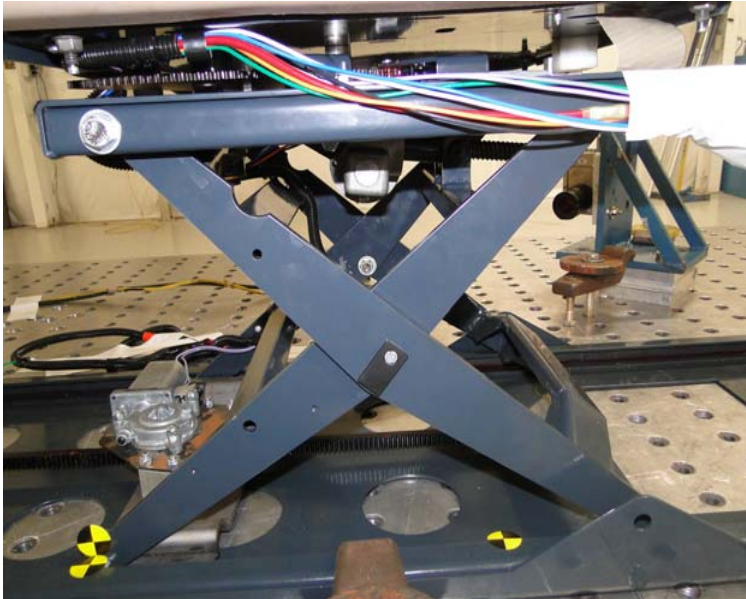


Sled Test: H111138

Pre-Test







Sled Test: H111138

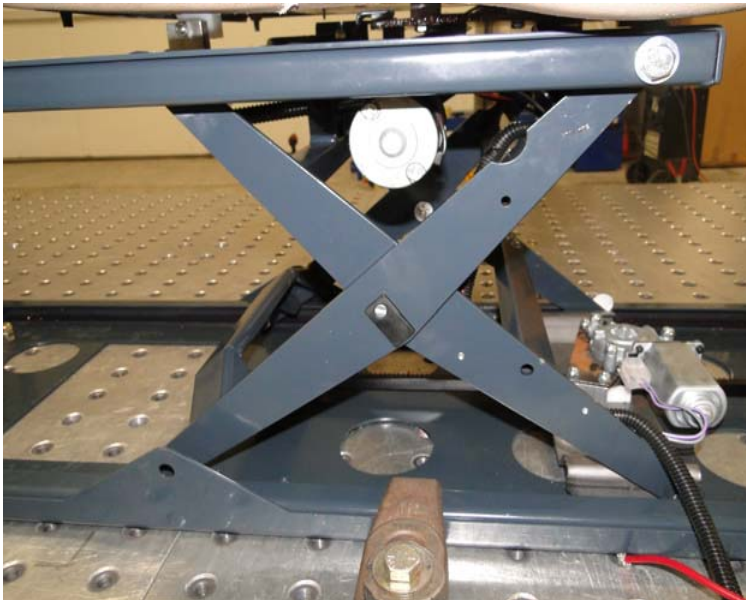
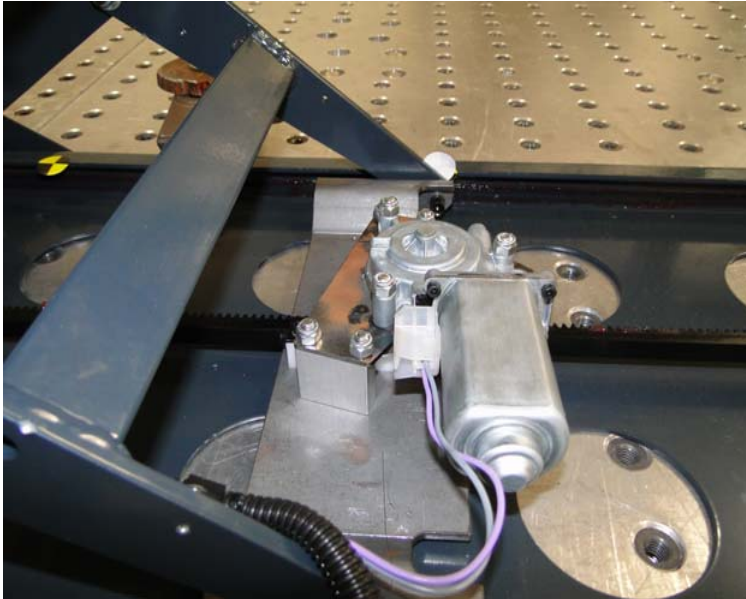
Post-Test



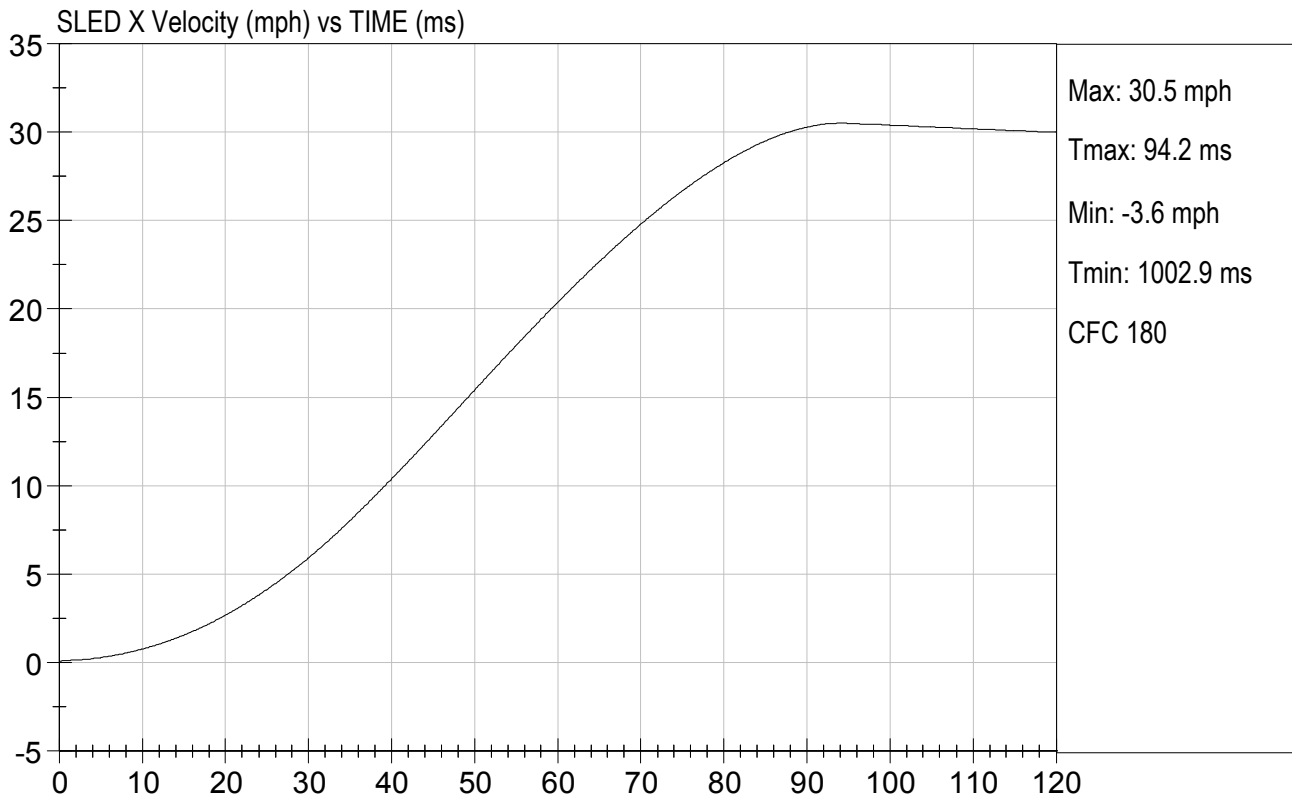
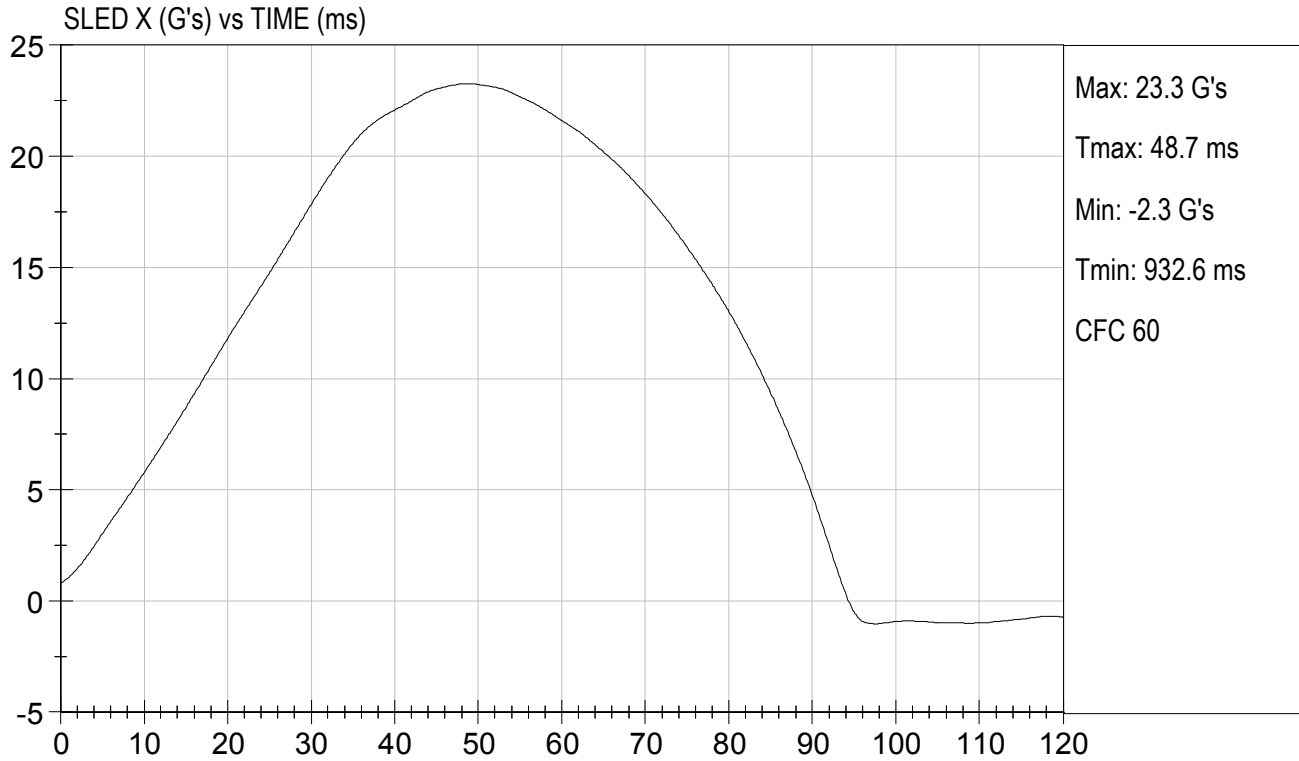
Sled Test: H111138

Post-Test





TEST H111139
DATA PLOTS AND PHOTOGRAPHS

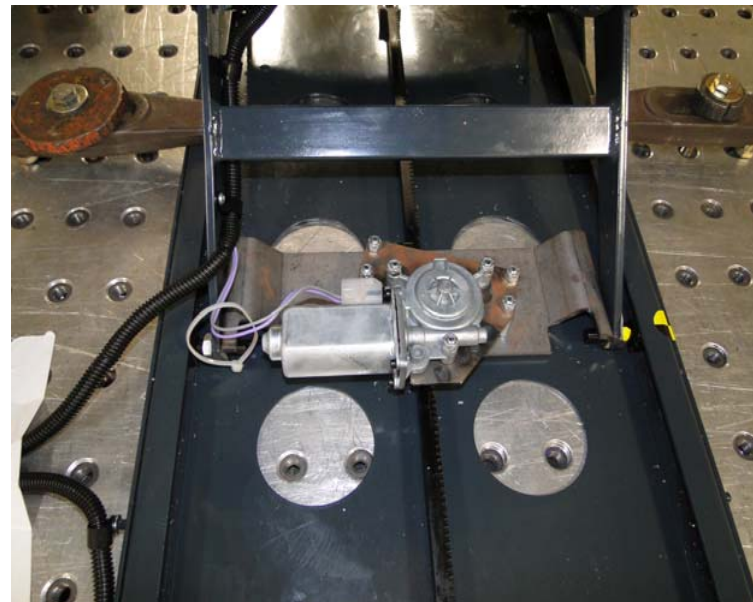
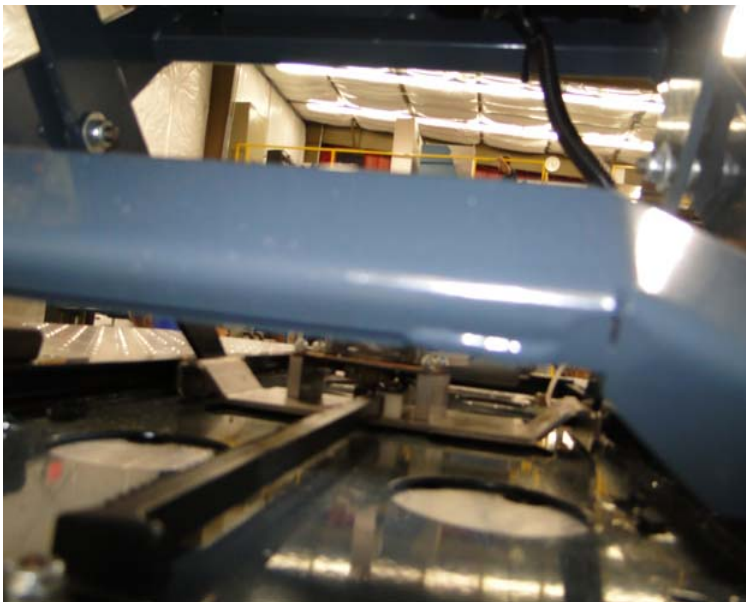




Sled Test: H111139

Pre-Test





Sled Test: H111139

Pre-Test



Sled Test: H111139

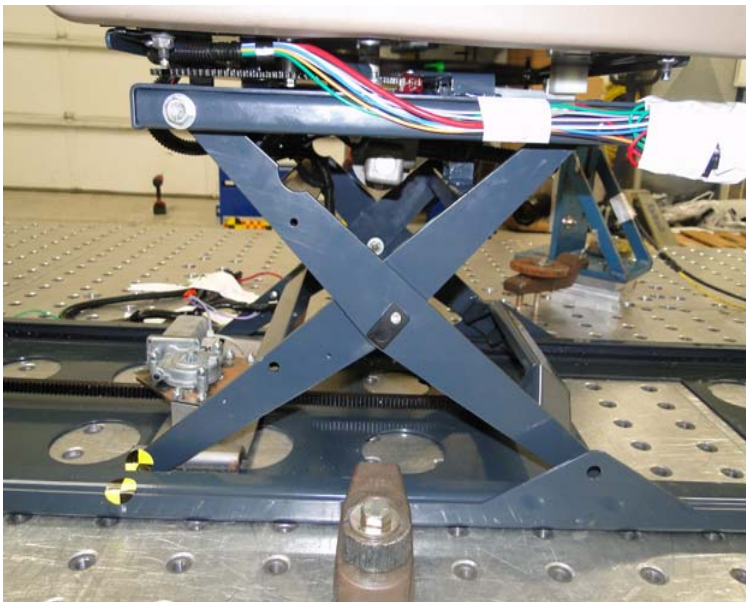
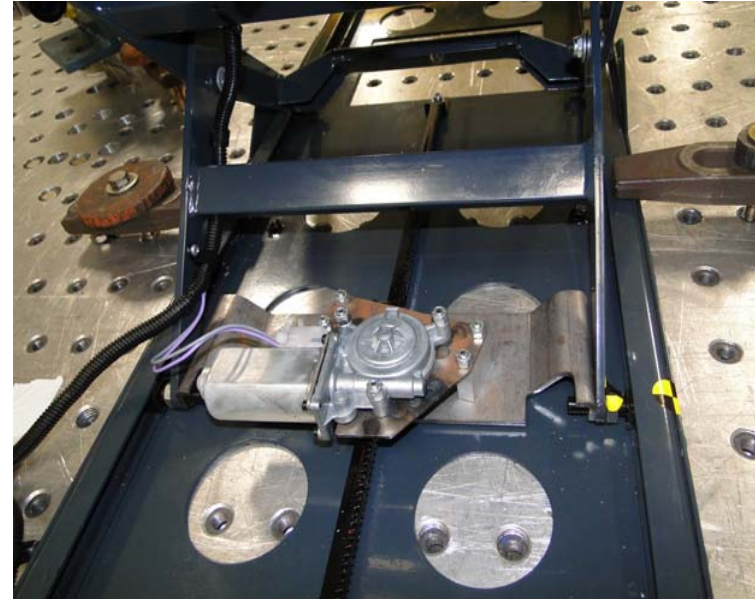
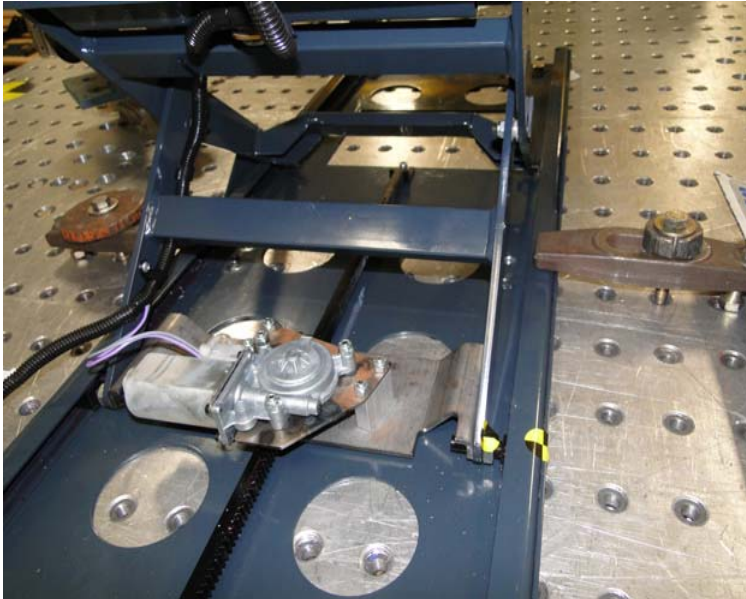
Post-Test

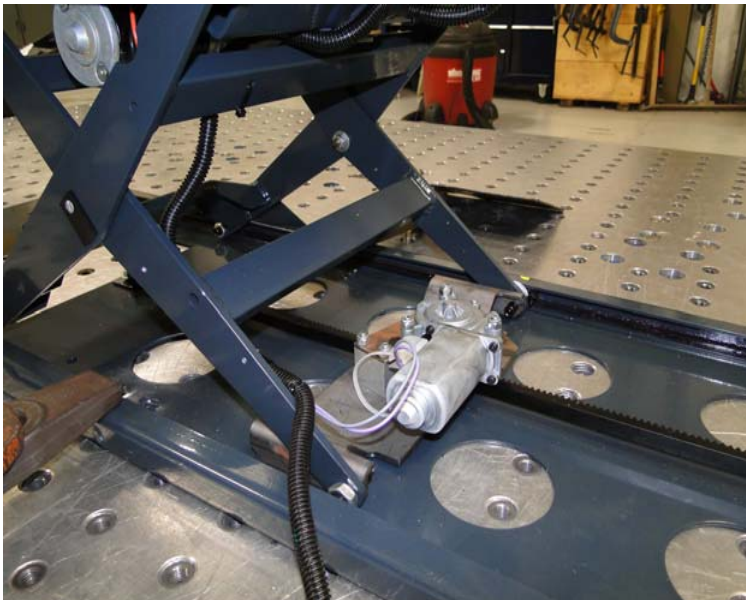


Sled Test: H111139

Post-Test







INSTRUMENTATION CALIBRATION DATA

VEHICLE INSTRUMENT CALIBRATION

	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Sled X Accelerometer	403076	Sensotec	9/20/2011
Sled X Redundant Accelerometer	403079	Sensotec	9/20/2011