

REPORT NUMBER: SNCAP-CAL-07-05

**NEW CAR ASSESSMENT PROGRAM
SIDE IMPACT TEST**

**HONDA MOTOR CO., LTD.
2007 HONDA CR-V
MPV**

NHTSA NUMBER: M75305

**PREPARED BY:
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BUFFALO, NEW YORK 14225**



Test Date: November 08, 2006

FINAL REPORT

**PREPARED FOR:
U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
RULEMAKING
OFFICE OF CRASHWORTHINESS STANDARDS
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Technical Report Documentation Page

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16. Abstract A 55/28 kph 90° Impact Moving Deformable Barrier NCAP Side Impact Test was conducted on the subject 2007 Honda CR-V MPV in accordance with the specifications of the Office of Crashworthiness Standards Test Procedure for the generation of consumer information on vehicle side crash protection. This test was conducted at the Calspan Corporation Crash Test Facility in Buffalo, New York, on November 08, 2006. The impact velocity of the Moving Deformable Barrier (MDB) was 62.28 km/h, and the ambient temperature at the struck side (driver side) of the vehicle was 21.1°C. The target vehicle's maximum post test static crush was 210 mm at level 3. The test vehicle's occupant performance is as follows: <table style="margin-left: auto; margin-right: auto; border: none;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>DRIVER</u></th> <th style="text-align: center;"><u>PASS.</u></th> </tr> </thead> <tbody> <tr> <td>Left Upper Rib (LUR) Accel., g</td> <td style="text-align: center;">30.8</td> <td style="text-align: center;">31.6</td> </tr> <tr> <td>Left Lower Rib (LLR) Accel., g</td> <td style="text-align: center;">38.4</td> <td style="text-align: center;">34.4</td> </tr> <tr> <td>Lower Spine (T₁₂) Accel., g</td> <td style="text-align: center;">35.1</td> <td style="text-align: center;">41.9</td> </tr> <tr> <td>Thoracic Trauma Index (TTI)</td> <td style="text-align: center;">37</td> <td style="text-align: center;">38</td> </tr> <tr> <td>Pelvis (PEV) Accel., g</td> <td style="text-align: center;">52</td> <td style="text-align: center;">65</td> </tr> <tr> <td>HIC</td> <td style="text-align: center;">167.5</td> <td style="text-align: center;">234.9</td> </tr> </tbody> </table> The doors on the struck side of the vehicle did not separate from the body at the hinges or latches and the opposite doors did not open during the side impact event.					<u>DRIVER</u>	<u>PASS.</u>	Left Upper Rib (LUR) Accel., g	30.8	31.6	Left Lower Rib (LLR) Accel., g	38.4	34.4	Lower Spine (T ₁₂) Accel., g	35.1	41.9	Thoracic Trauma Index (TTI)	37	38	Pelvis (PEV) Accel., g	52	65	HIC	167.5	234.9
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17. Key Words New Car Assessment Program (NCAP) Side Impact Side Impact Hybrid III Dummy (SID/HIII) Occupant Side Impact Protection		18. Distribution Statement Copies of this report are available from: National Highway Traffic Safety Adm. Technical Ref. Division, Room 5111 (NAD-52) 400 Seventh Street, S.W. Washington, D.C. 20590																						
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SECTION 1

PURPOSE AND TEST PROCEDURE

PURPOSE

This side impact test was conducted as part of the FY' 2007 test program sponsored by the National Highway Traffic Safety Administration (NHTSA), under Contract No. DTNH22-03-D-22005. The purpose of this test was to evaluate side impact protection in a 2007 Honda CR-V MPV manufactured by Honda Motor Co., Ltd.. The side impact test was conducted in accordance with the Laboratory Test Procedure for New Car Assessment Program Side Impact Testing dated July 1997.

SECTION 2

SUMMARY OF NCAP SIDE IMPACT TEST

A model year 2007 Honda CR-V MPV was impacted on the left (driver's) side by a Moving Deformable Barrier (MDB) which was moving forward in a 27° crabbed position to the tow road guidance system at a velocity of 62.28 km/h. The specified impact velocity range is from 61.1 to 62.7 km/h. The test (target) vehicle was stationary and positioned 63° to the line of forward motion. The weight of the vehicle as tested was 1781.0 kg and the test weight of the MDB was 1362.5 kg. The test was conducted at the Calspan Corporation Transportation Sciences Center on November 08, 2006.

One (1) real-time motion picture camera and ten (10) high-speed motion picture cameras were used to document the impact event. The pre-test and post-test conditions were recorded by one (1) real-time motion picture camera. Camera locations and pertinent camera information are documented in the data sheets. Pre- and post-test photographs of the vehicle and Side Impact Dummies (SID/HIIIs) can be found in Appendix A.

Two 50th percentile adult male SID/HIII's were placed in the driver (P1) and left rear passenger (P4) designated seating positions according to instructions specified in the Laboratory Test Procedure for New Car Assessment Program Side Impact Testing dated July 1997. Each SID/HIII was instrumented in the following locations:

- Left Upper Rib (LUR) uni-axial accelerometer (Y-axis primary and redundant)
- Left Lower Rib (LLR) uni-axial accelerometer (Y-axis primary and redundant)
- Lower Thoracic Spine (T12) uni-axial accelerometer (Y-axis primary and redundant)
- Pelvic (PEV) section uni-axial accelerometer (Y-axis primary and redundant)
- Head Center of Gravity (CG) tri-axial accelerometers (X, Y and Z axes primary and redundant)
- Upper Neck load cell (Fx, Fy, Fz, Mx, My, Mz)

The test vehicle was instrumented with twenty-one (21) structural accelerometers and the MDB was instrumented with five (5) accelerometers.

2.2 GENERAL COMMENTS

The test vehicle sustained a maximum static crush of 210 mm at level 3, 1350 mm rearward of the left vertical impact point. The driver and passenger SID/HIII's, Serial Nos. 269 and 270 respectively, were calibrated just prior to this test.

Test data and observations are presented in this section of the report. Appendix A contains the still photograph prints. Appendix B contains the driver and passenger SID/HIII's, vehicle, and MDB response data traces. Appendix C contains the SID/HIII's configuration and performance verification data. Appendix D contains the test equipment information.

The occupant data is summarized below:

ATD position	HIC(36)	T ₁	T ₂	TTI (G's)	Peak Pelvis (G's)
Driver	167.5	41.0	75.0	37	52
Passenger	234.9	46.4	60.8	38	65

SUPPLEMENTAL RESTRAINT INFORMATION

Restraint Type	Left Front (Driver)		Left Rear (Passenger)	
	Installed	Deployed	Installed	Deployed
Front Airbag	Yes	No	NA	NA
Side Torso Airbag	Yes	Yes	NA	NA
Side Head/Torso Combination Airbag	NA	NA	NA	NA
Curtain Airbag	Yes	Yes	Yes	Yes

The test instrumentation data listed in Appendix B can be found on the NHTSA website:
www.nhtsa.dot.gov.

DATA SHEET NO. 1**GENERAL TEST AND VEHICLE PARAMETER DATA**

Test Vehicle:	2007 Honda CR-V	NHTSA No.	M75305
Test Program:	NCAP Side Impact	Test Date:	November 08, 2006

TEST VEHICLE INFORMATION AND VEHICLE OPTIONS

Make	Honda Motor Co., Ltd.	Driver Front Airbag	Yes
Model	CR-V	Driver Side Curtain Airbag	Yes
Body Style	MPV	Driver Side Torso Airbag	Yes
NHTSA No.	M75305	Driver Pretensioners	Yes
VIN	JHLRE48317C007775	Driver Load Limiters	Yes
Color	Green	Driver Power Seats	No
Engine Disp.(L)	2.4	Rear Pass. Side Curtain Airbag	Yes
Engine Cylinders	4	Rear Pass. Side Torso Airbag	No
Engine Placement	Lateral	Rear Pass. Pretensioners	No
Transmission Type	Automatic	Rear Pass. Load Limiters	No
Transmission Speeds	5	Rear Pass. Power Seats	No
Final Drive	4 Wheel	Tilt Wheel	Yes
Air Conditioning	Yes	Anti-lock Brakes	Yes
Power Steering	Yes	Traction Control	Yes
Power Brakes	Yes	Power Windows	Yes
Delivery Date	10/18/2006	Power Door Locks	Yes
Odometer Reading (km)	24	Automatic Door Locks (ADL)	Yes
Dealer	Ray Laks Honda 100 Orchard Park Rd. West Seneca, NY 14224	Owner's Manual Details Instructions on Disabling ADLs	Yes

DATA FROM CERTIFICATION LABEL

Manufactured By	Honda Motor Co., Ltd.	GVWR (kg)	4560
Date of Manufacture	Honda Motor Co., Ltd.	GAWR Front (kg)	2310
		GAWR Rear (kg)	2290

VEHICLE CAPACITY DATA

Measured Parameter	Front	Rear	Third	Total
Type of Seats	Bucket	Split Bench		
Number Of Occupants	2	3		5
Capacity Wt. (VCW) (kg)				385.0
Cargo Wt. (RCLW) (kg)				44.8

DATA SHEET NO. 1 (continued)**GENERAL TEST AND VEHICLE PARAMETER DATA**

Test Vehicle:	2007 Honda CR-V	NHTSA No.	M75305
Test Program:	NCAP Side Impact	Test Date:	November 08, 2006

TEST VEHICLE WEIGHTS

	Units	As Delivered (UVW) (Axle)			Fully Loaded (Axle)			As Tested (ATW) (Axle)		
		Front	Rear	Total	Front	Rear	Total	Front	Rear	Total
Left	kg	450.0	344.0		499.0	443.0		495.0	433.0	
Right	kg	460.5	326.5		466.5	384.5		467.0	386.0	
Ratio	%	57.6	42.4		53.8	46.2		54.0	46.0	
Totals	kg	910.5	670.5	1581.0	965.5	827.5	1793.0	962.0	819.0	1781.0

TARGET TEST WEIGHT CALCULATION

Measured Parameter	Units	Value
Total Delivered Weight (UVW)	kg	1581.0
Weight of 2 P572E ATDs (81.2 kg each)	kg	162.4
Rated Cargo/Luggage Weight (RCLW)	kg	44.8
Calculated Vehicle Target Weight (TVTW)	kg	1788.2

* Actual As Tested Weight (ATW) will be TVTW -4.5/-9.1 kg

Weight of Ballast (including instrumentation package and cameras): 37.6 kg

TEST VEHICLE ATTITUDES

	Units	LF	RF	LR	RR
As Delivered	mm	837	838	829	836
Fully Loaded	mm	820	829	793	811
As Tested	mm	820	832	799	811

TEST VEHICLE VERTICAL IMPACT LINE AND CG

Measurement Description	Units	Value
Test Vehicle Wheel Base	mm	2625
Target Impact Point Aft of Front Axle	mm	373
Actual Impact Point Aft of Front Axle	mm	362
As Tested CG (aft of front axle)	mm	1207

DATA SHEET NO. 2

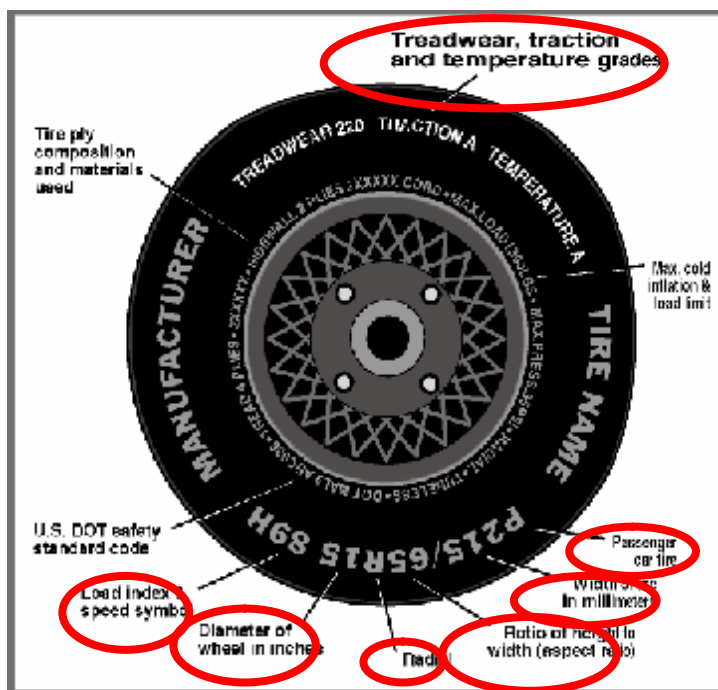
TEST VEHICLE TIRE INFORMATION

Test Vehicle: 2007 Honda CR-V

NHTSA No. M75305

Test Program: NCAP Side Impact

Test Date: November 08, 2006



DATA FROM TIRE PLACARD

Measured Parameter	Front	Rear
Maximum Tire Pressure (kPa)	300	300
Cold / Test Pressure (kPa)	210	210
Recommended Tire Size	225/65R17 102T	225/65R17 102T
Tire Size on Vehicle	225/65R17 102T	225/65R17 102T
Tire Manufacturer	Continental	Continental
Tire Name	4X4 Contact	4X4 Contact
Tire Type	LT	LT
Tire Width (mm)	225	225
Ratio of Height to Width (aspect ratio)	65	65
Radial	R	R
Wheel Diameter	17	17
Load Index & Speed Symbol	102T	102T
Treadwear	360	360
Traction Grade	A	A
Temperature Grade	A	A

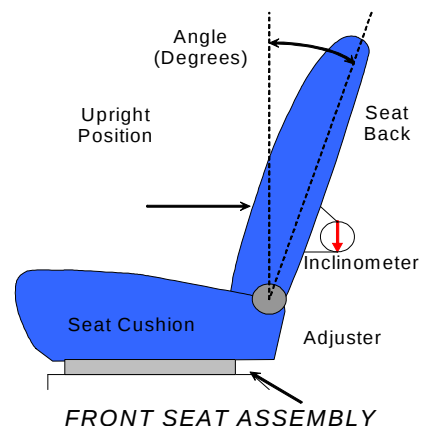
DATA SHEET NO. 3

TEST VEHICLE INFORMATION

Test Vehicle:	2007 Honda CR-V	NHTSA No.	M75305
Test Program:	NCAP Side Impact	Test Date:	November 08, 2006

NORMAL DESIGN RIDING POSITION

The driver and passenger seat back is positioned to the manufacturer's designated angle.

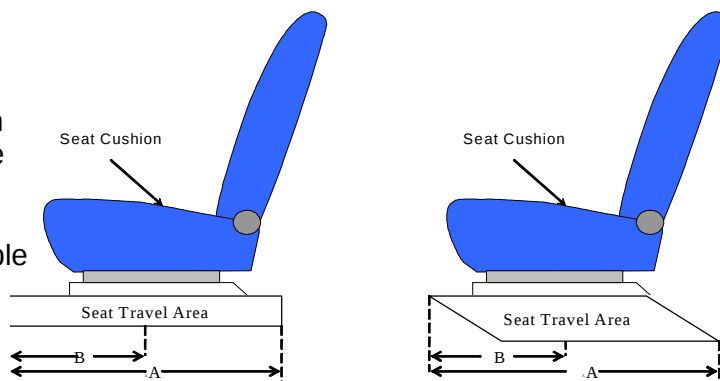


SEAT BACK POSITION

	Driver Seat	Rear Seat
Test Detent (forward-most detent defined as 0)	Detent 4	Detent 5
Angle (deg. from forward-most locking position)	NA	NA
Alternative Measurements to Verify Test Position	695mm from outer sun visor bolt to outer head restraint post hole	NA

SEAT FORE/AFT POSITIONS

The total seat travel was measured from forward most position to rearmost position irrespective of vertical seat height in those positions. The seat was set at the longitudinal mid position with vertical adjustment at the lowest position obtainable for both the driver and passenger.



SEAT FORE/AFT POSITION

	Driver Seat	Rear Seat
Total Fore/Aft Travel (A) (mm)	264	150
Test Position (B) (mm)	132	90
Test Detent (forward-most detent defined as 0)	11	3
Total Number of Detents (including 0)	25	6

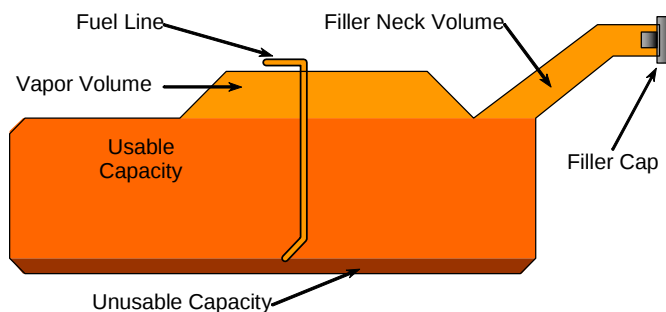
DATA SHEET NO. 3 (CONTINUED)

TEST VEHICLE INFORMATION

Test Vehicle: 2007 Honda CR-V	NHTSA No. M75305
Test Program: NCAP Side Impact	Test Date: November 08, 2006

FUEL SYSTEM INFORMATION

The test vehicle is equipped with an electric fuel pump. The fuel pump operates for approximately two seconds after the ignition is placed in the "ON" position, after which the fuel pump automatically shuts off. The fuel filler door is located on the left rear fender. The standard fuel tank occupies the area under the rear seat.



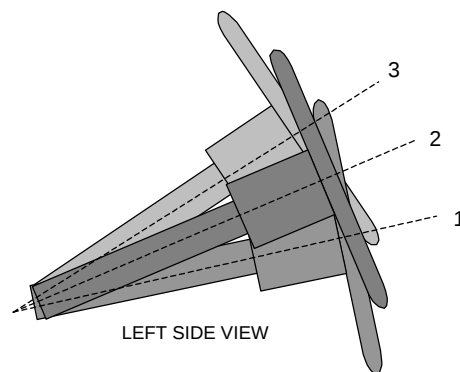
VEHICLE FUEL TANK ASSEMBLY

FUEL TANK CAPACITY

	Liters
Usable Capacity of "Standard" Fuel Tank	57.9
Usable Capacity of "Optional" Fuel Tank	NA
Stoddard Used For Test (92%-94% of Fuel Tank Usable Capacity)	53.8

STEERING COLUMN ADJUSTMENT

Steering wheel and column adjustments are made so that the steering wheel hub is at the geometric center of the locus it describes when moved through its full range of motion. An aluminum plate is placed across the rim of the steering wheel, an inclinometer is placed on the plate and the angle is measured.



STEERING COLUMN ASSEMBLY

STEERING COLUMN POSITION

	Fore/Aft Position (mm)	Tilt (degrees)	Tilt (detent)
Lowermost Position No. 1	0	25.8	NA
Geometric Center Position No. 2 *	15	27.85	NA
Uppermost Position No. 3	30	29.9	NA

* Test position

DATA SHEET NO. 4**MOVING DEFORMABLE BARRIER (MDB) SUMMARY OF RESULTS**

Test Vehicle:	2007 Honda CR-V	NHTSA No.	M75305
Test Program:	NCAP Side Impact	Test Date:	November 08, 2006

MDB SPECIFICATIONS

Measurement Description	Length (mm)
Overall Width of Framework Carriage	1250
Overall Length Including Honeycomb Face	4120
Wheel base of Framework Carriage	2590
Tread of Framework Carriage (front & rear)	1875
C.G. Location aft of Front Axle	1104

MDB WEIGHTS

	Units	Front Axle	Rear Axle	Total
Left	kg	409.5	281.5	
Right	kg	372.5	299.0	
Ratio	%	57.4	42.6	
Totals	kg	782.0	580.5	1362.5

MDB SPEED AND IMPACT ANGLE DATA

Measured Parameter	Units	Requirement	Value
Trap No. 1 Velocity (Primary)	km/h	61.1 to 62.7	62.28
Trap No. 2 Velocity (Redundant)	km/h	61.1 to 62.7	62.28

POST TEST OBSERVATIONS**MDB LEFT EDGE IMPACT POINT DATA**

Measured Parameter	Units	Requirement	Value
Horizontal Offset	mm	+/- 50	11 mm forward
Vertical Offset	mm	+/-20	7 mm below

DATA SHEET NO. 5

POST TEST OBSERVATIONS

Test Vehicle:	2007 Honda CR-V	NHTSA No.	M75305
Test Program:	NCAP Side Impact	Test Date:	November 08, 2006

TEST DUMMY INFORMATION AND CONTACT POINTS

Description	Front Seat SID/HIII	Rear Seat SID/HIII
Dummy Type / Serial No.	SID/HIII / 269	SID/HIII / 270
Head Contact	Head to side curtain airbag	Top of head to side header trim; Head to side curtain airbag
Upper Torso Contact	Left arm to side airbag	Left arm to door trim above armrest
Lower Torso Contact	Pelvis to door trim below armrest	Pelvis to door trim below armrest
Left Knee Contact	Left knee to door trim	Left knee to door trim
Right Knee Contact	Right knee to left knee	Right knee to left knee

POST TEST DOOR OPENING AND SEAT TRACK INFORMATION

Description	Front	Rear
Locked/Unlocked Doors	Doors were unlocked	Doors were unlocked
Left Side Door Opening	Door remained closed and latched	Door remained closed and latched
Right Side Door Opening	Door remained closed and latched; Door opened without tools	Door remained closed and latched; Door opened without tools
Seat Movement	0	0
Seat Back Failure	None	None

POST TEST STRUCTURAL OBSERVATIONS

Critical Areas of Performance	Observations and Conclusions
Pillar Performance	No Separation
Sill Separation	None
Windshield Damage	None
Window Damage	None
Other Notable Effects	None

SUPPLEMENTAL RESTRAINT INFORMATION

Restraint Type	Left Front (Driver)		Left Rear (Passenger)	
	Installed	Deployed	Installed	Deployed
Front Airbag	Yes	No	NA	NA
Side Torso Airbag	Yes	Yes	NA	NA
Side Head/Torso Combination Airbag	NA	NA	NA	NA
Curtain Airbag	Yes	Yes	Yes	Yes

DATA SHEET NO. 6

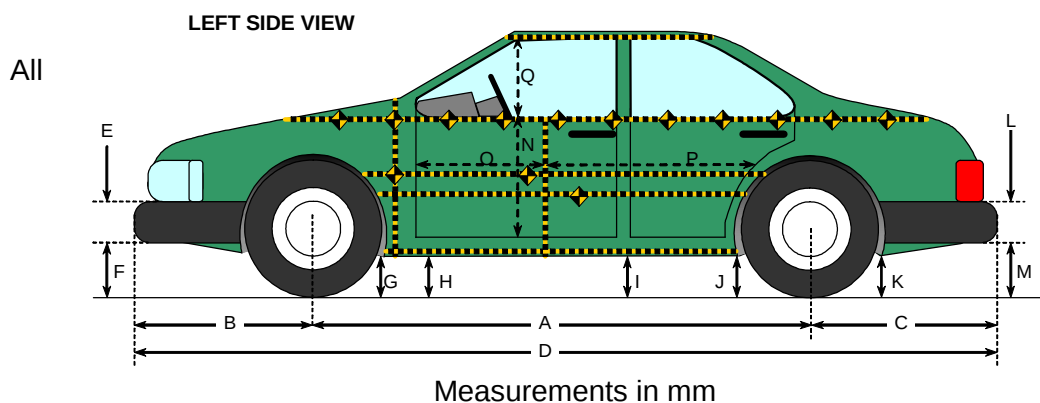
VEHICLE PRE-TEST AND POST-TEST MEASUREMENTS

Test Vehicle: 2007 Honda CR-V

NHTSA No. M75305

Test Program: NCAP Side Impact

Test Date: November 08, 2006



Code	Measurement Description	Pre-Test (delivered)	Pre-Test (as tested)	Post-Test (as tested)	Difference
A	Wheelbase	2625	2625	2631	-6
B	Front Axle to FSOV	883	883	874	9
C	Rear Axle to RSOV	992	992	995	-3
D	Total Length at Centerline	4500	4500	4500	0
E	Front Bumper Thickness	204	204	204	0
F	Front Bumper Bottom to Ground	434	436	450	-14
G	Sill Height at Front Wheel Well	288	268	274	-6
H	Sill Height at Front Door Leading Edge	288	266	276	-10
I	Sill Height at "B" Pillar	285	256	262	-6
J1	Sill Height at Rear Wheel Well	307	272	292	-20
J2	Pinch Weld Height at Rear Wheel Well	288	257	270	-13
K	Sill Height Aft of Rear Wheel Well	355	318	319	-1
L	Rear Bumper Thickness	272	272	272	0
M	Rear Bumper Bottom to Ground	345	313	320	-7
N	Sill Height to Window Bottom Sill	795	795	719	76
O	Front Door Leading Edge to Impact CL	754	754	749	5
P	Rear Door Trailing Edge to Impact CL	1115	1115	1084	31
Q	Front Window Opening	465	465	473	-8
R	Right Side Length	4399	4399	4401	-2
S	Left Side Length	4397	4397	4392	5
T	Vehicle Width at "B" Post	1802	1802	1729	73

DATA SHEET NO. 7

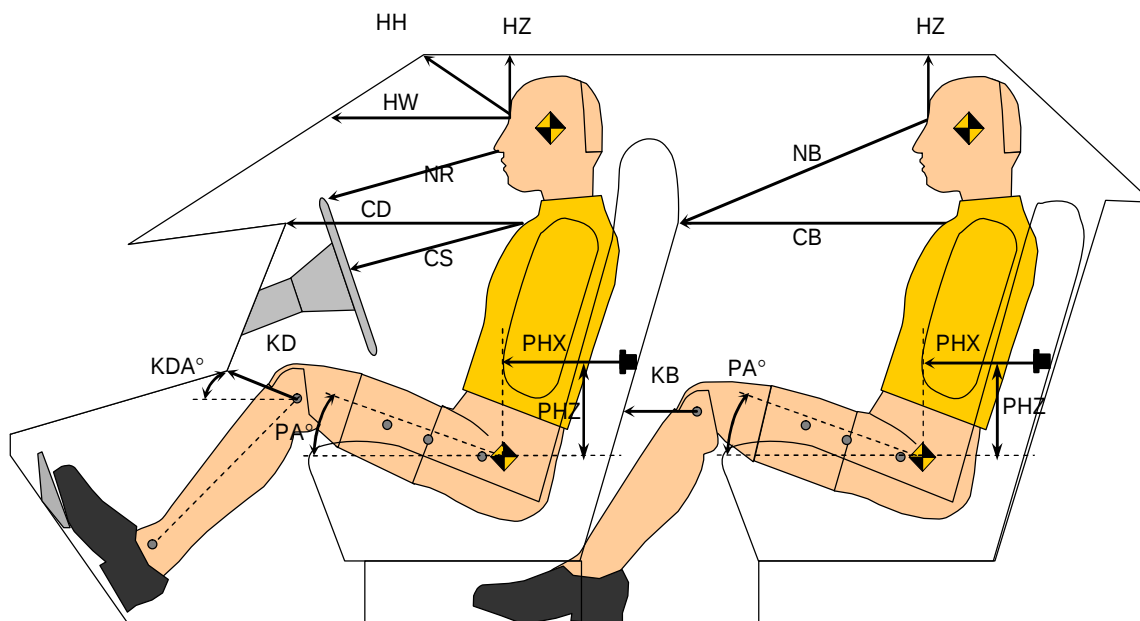
SID/HIII LONGITUDINAL CLEARANCE DIMENSIONS

Test Vehicle: 2007 Honda CR-V

NHTSA No. M75305

Test Program: NCAP Side Impact

Test Date: November 08, 2006

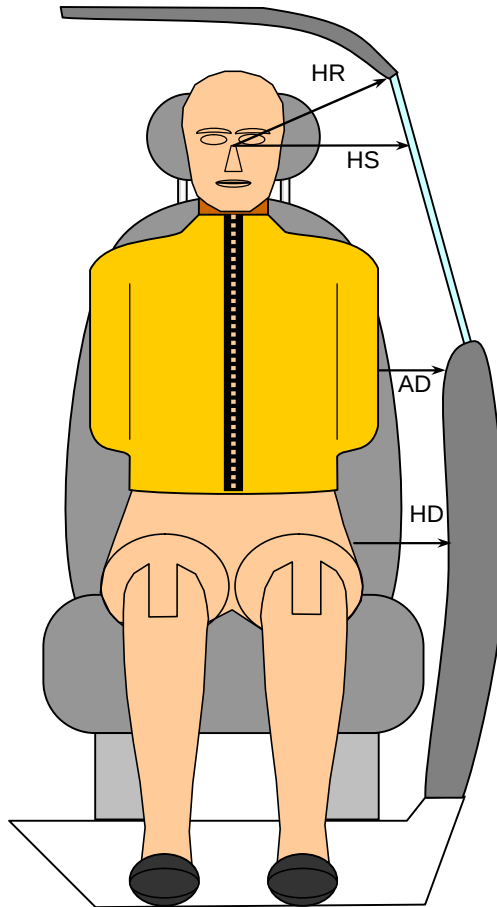


Driver Code	Pass. Code	Measurement Description	Driver S/N 269		Passenger S/N 270	
			Length(mm)	Angle(°)	Length(mm)	Angle(°)
HH		Head to Header	442			
HW		Head to Windshield	722			
HZ	HZ	Head to Roof	206		175	
NR	NB	Nose to Rim/Nose to Seatback	470		650	
CD	CB	Chest to Dash or Seatback	581		557	
CS		Chest to Steering Wheel	300			
KDL	KBL	Left Knee to Dash or Seatback	136	25	218	21
KDR	KBR	Right Knee to Dash or Seatback	109	30	217	21
PA	PA	Pelvic Angle		23.4		23.0
PHX	PHX	H-Point to Striker (X-Axis)	247		251	
PHZ	PHZ	H-Point to Striker (Z-Axis)	103		198	

DATA SHEET NO. 8

SID/HIII LATERAL CLEARANCE DIMENSIONS

Test Vehicle:	2007 Honda CR-V	NHTSA No.	M75305
Test Program:	NCAP Side Impact	Test Date:	November 08, 2006



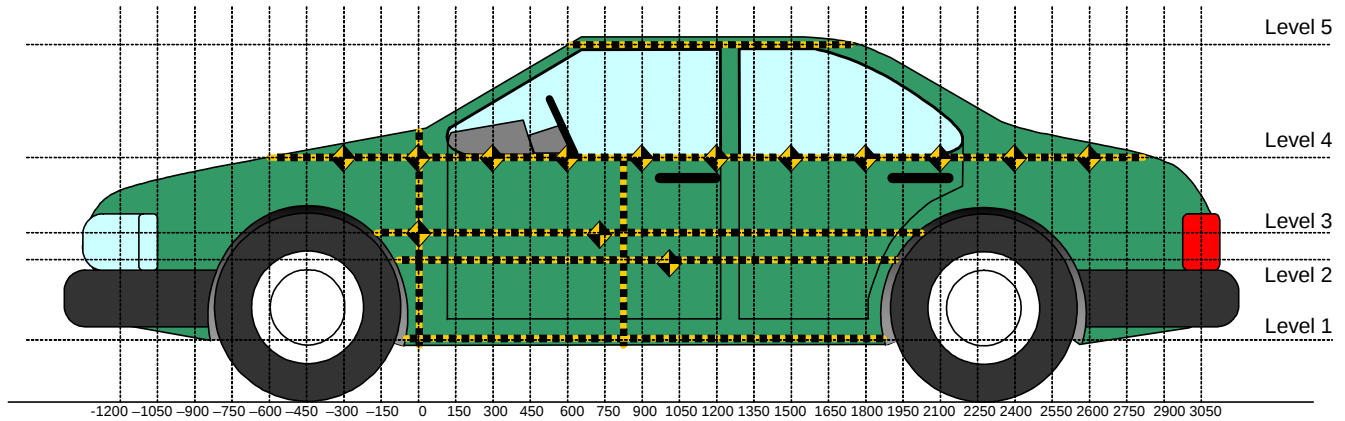
FRONT VIEW OF DUMMY

Code	Measurement Description	Units	Driver S/N 269	Passenger S/N 270
HR	Head to Side Header	mm	210	169
HS	Head to Side Window	mm	325	300
AD ₁	Arm to Door (at upper rib level)	mm	111	115
AD ₂	Arm to Door (at lower rib level)	mm	142	135
HD	H-Point to Door	mm	210	155

DATA SHEET NO. 9

VEHICLE SIDE MEASUREMENTS

Test Vehicle:	2007 Honda CR-V	NHTSA No.	M75305
Test Program:	NCAP Side Impact	Test Date:	November 08, 2006



All Measurements Shown in mm

LEFT SIDE VIEW

Measurements are taken with vehicle in the as tested condition.
 Measurements along the vertical 750 mm.
 All measurements below in mm.

Level	Measurement Description	Maximum Exterior Static Crush	Height Above Ground	Distance From Impact
1	Sill Top	29	303	1200
2	Occupant H-Point	205	660	1500
3	Mid Door	210	719	1350
4	Window Sill	100	999	1500
5	Window	6	1564	1500
	Maximum Penetration	210		

DATA SHEET NO. 10

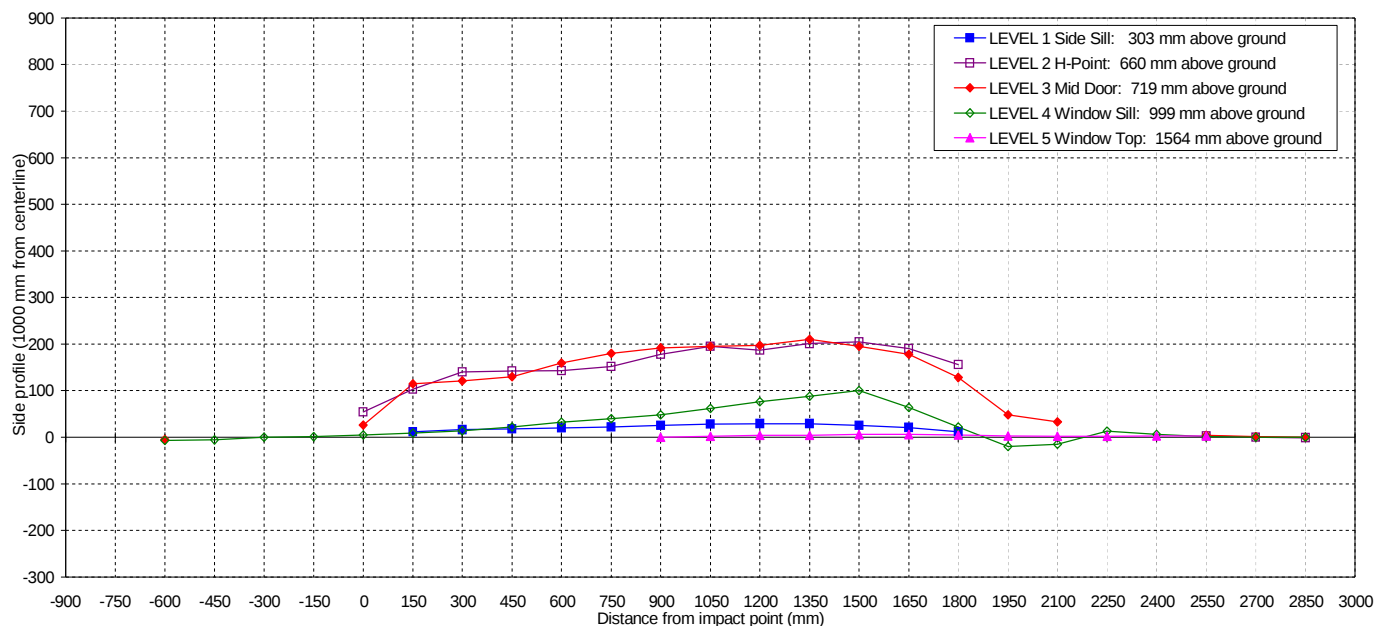
VEHICLE EXTERIOR CRUSH PROFILES

Test Vehicle: 2007 Honda CR-V

NHTSA No. M75305

Test Program: NCAP Side Impact

Test Date: November 08, 2006



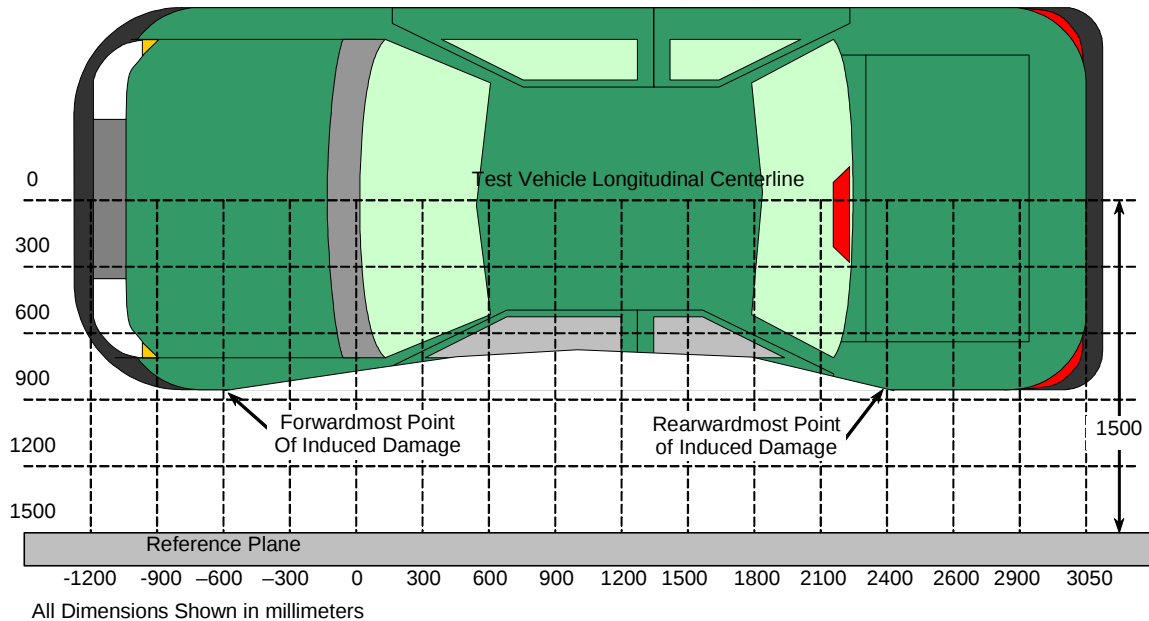
NOTE: All dimensions are in millimeters with a tolerance of ± 3 mm

			DISTANCE IN MILLIMETERS (mm) FROM IMPACT POINT																											
LEVEL	HEIGHT (mm)		-900	-750	-600	-450	-300	-150	0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	
LEVEL 1 SIDE SILL	303	PRE	--	--	--	--	--	--	--	155	158	161	155	158	153	155	152	157	155	159	151	--	--	--	--	--	--	--	--	--
		POST	--	--	--	--	--	--	--	167	174	179	175	180	178	183	181	186	180	180	163	--	--	--	--	--	--	--	--	--
		CRUSH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	16	18	20	22	25	28	29	29	25	21	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LEVEL 2 H POINT	660	PRE	--	--	--	--	--	--	92	110	116	113	112	111	110	111	111	112	113	114	102	--	--	--	--	92	122	148	--	
		POST	--	--	--	--	--	--	146	213	256	255	255	263	288	306	298	313	318	304	258	--	--	--	--	95	122	147	--	
		CRUSH	N/A	N/A	N/A	N/A	N/A	N/A	54	103	140	142	143	152	178	195	187	201	205	190	156	N/A	N/A	N/A	N/A	3	0	-1	N/A	
LEVEL 3 MID DOOR	719	PRE	--	--	88	--	--	--	95	112	114	112	111	111	110	110	111	112	114	115	107	92	--	--	--	95	135	168	--	
		POST	--	--	83	--	--	--	121	227	235	242	270	291	302	305	307	321	307	292	243	155	125	--	--	99	136	168	--	
		CRUSH	N/A	N/A	-5	N/A	N/A	N/A	26	115	121	130	159	180	192	195	197	210	195	178	128	48	33	N/A	N/A	4	1	0	N/A	
LEVEL 4 WINDOW SILL	999	PRE	--	--	371	300	194	170	158	150	144	139	135	133	130	128	129	130	130	132	134	138	143	151	158	168	180	195	--	
		POST	--	--	364	294	194	171	163	159	158	161	167	173	178	190	205	218	230	196	156	118	128	164	164	169	180	195	--	
		CRUSH	N/A	N/A	-7	-6	0	1	5	9	14	22	32	40	48	62	76	88	100	64	22	-20	-15	13	6	1	0	0	N/A	
LEVEL 5 WINDOW TOP	1564	PRE	--	--	--	--	--	--	--	--	--	--	--	--	377	368	368	368	368	371	376	381	390	403	423	459	--	--	--	
		POST	--	--	--	--	--	--	--	--	--	--	--	--	--	377	370	372	372	374	377	381	384	392	405	426	462	--	--	--
		CRUSH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	2	4	4	6	6	5	3	2	2	3	3	N/A	N/A	N/A	

DATA SHEET NO. 11

VEHICLE DAMAGE PROFILE DISTANCES

Test Vehicle:	2007 Honda CR-V	NHTSA No.	M75305
Test Program:	NCAP Side Impact	Test Date:	November 08, 2006



TOP VIEW

DAMAGE PROFILE DISTANCES

DPD	Distance from Impact Point in mm	Level	Pre-Test (mm)	Post-Test (mm)	Max Static Crush (mm)
1 (LR)	2400	999	158	164	6
2	1890	719	110	190	80
3	1380	719	111	318	207
4	870	719	110	300	190
5	360	660	115	256	141
6 (LF)	-150	999	170	171	1

Reference plane is parallel to test vehicle longitudinal centerline.
 Given dimensions = Reference plane to vehicle body.

DATA SHEET NO. 12

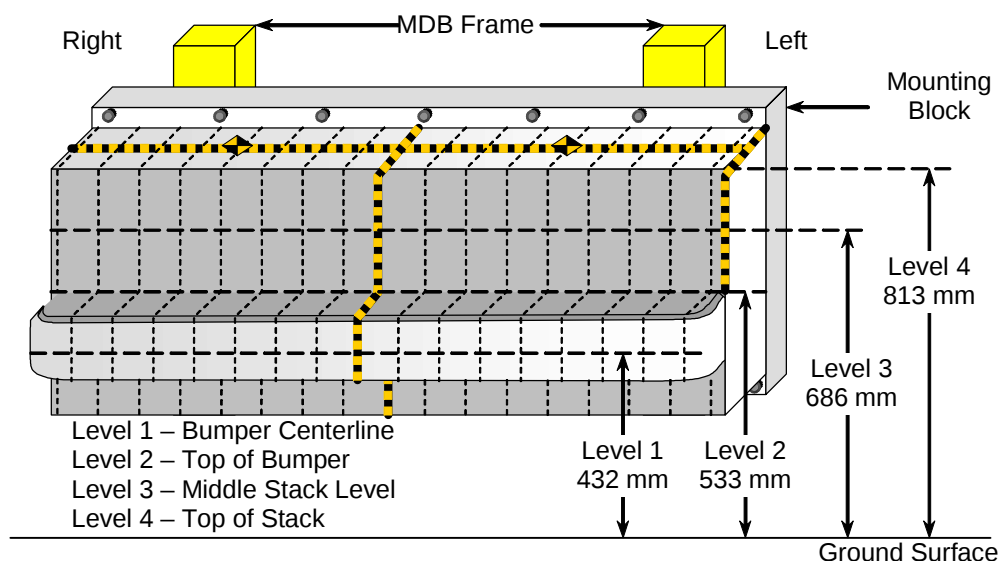
DEFORMABLE BARRIER HONEYCOMB FACE STATIC CRUSH

Test Vehicle: 2007 Honda CR-V

NHTSA No. M75305

Test Program: NCAP Side Impact

Test Date: November 08, 2006



NOTE: All dimensions are in millimeters with a tolerance of ± 3 mm

			DISTANCE RIGHT OF CENTER (mm)											DISTANCE LEFT OF CENTER (mm)							
LEVEL	HEIGHT AT CL (mm)*		800	700	600	500	400	300	200	100	0	100	200	300	400	500	600	700	800		
LEVEL 4 TOP STACK	813	PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619		
		POST	734	715	694	665	645	662	669	654	659	664	673	678	688	700	716	731	755		
		CRUSH	115	96	75	46	26	43	50	35	40	45	54	59	69	81	97	112	136		
LEVEL 3 MID LEVEL	686	PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619		
		POST	681	671	653	647	645	651	649	647	650	653	660	660	664	671	680	696	729		
		CRUSH	62	52	34	28	26	32	30	28	31	34	41	41	45	52	61	77	110		
LEVEL 2 TOP BUMPER	533	PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619		
		POST	754	753	750	746	744	744	736	733	732	730	733	727	726	726	723	728	758		
		CRUSH	135	134	131	127	125	125	117	114	113	111	114	108	107	107	104	109	139		
LEVEL 1 MID BUMPER	432	PRE	535	519	518	518	518	518	518	518	518	518	518	518	518	518	518	519	535		
		POST	748	734	732	730	730	728	723	719	720	716	716	713	708	705	710	723	730		
		CRUSH	213	215	214	212	212	210	205	201	202	198	198	195	190	187	192	204	195		

*Heights measured above ground level.

DATA SHEET NO. 13

VEHICLE ACCELEROMETER LOCATIONS

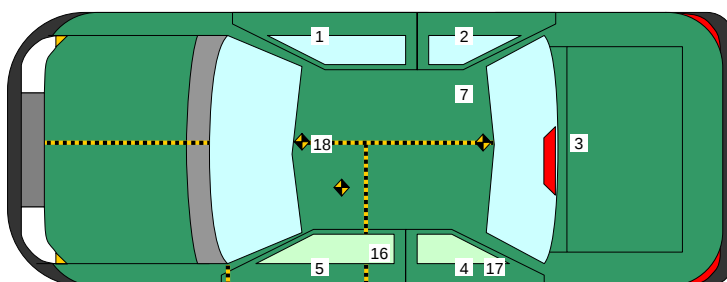
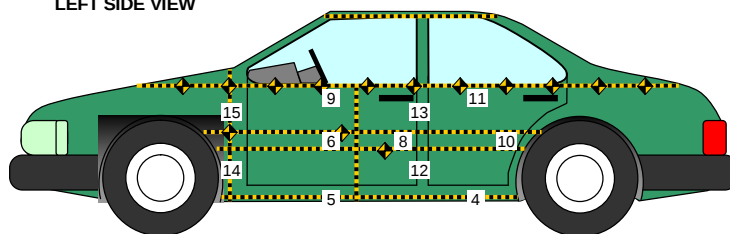
Test Vehicle: 2007 Honda CR-V

NHTSA No. M75305

Test Program: NCAP Side Impact

Test Date: November 08, 2006

LEFT SIDE VIEW



Loc. No.	Accelerometer Location	Measurements (mm)		
		X	Y	Z
1	Right Sill at Front Seat	2898	643	-403
2	Right Sill at Rear Seat	1868	643	-401
3	Rear Floorpan Above Axle	1107	1	-578
4	Left Sill at Rear Door	1872	-640	-391
5	Left Sill at Front Door	2918	-641	-401
6	Left Front Door C/L**	-	-	-
7	Rear Occupant Compartment	1966	386	-377
8	Left Front Door Mid-Rear**	-	-	-
9	Left Front Door Upper C/L**	-	-	-
10	Left Rear Door Mid-Rear**	-	-	-
11	Left Rear Door Upper C/L**	-	-	-
12	Left Lower B-Post	2111	-670	-513
13	Left Middle B-Post	2041	-689	-1071
14	Left Lower A-Post	3136	-635	-574
15	Left Middle A-Post	3134	-685	-1094
16	Front Seat Track	2235	-572	-432
17	Rear Seat Track or Structure	1211	-462	-566
18	Vehicle CG	2393	36	-573

Reference Points X - Test Vehicle Rear Bumper (+ forward)

Y - Test Vehicle Centerline (+ to right)

Z - Ground Plane (+ down)

** Accelerometer was not requested by the COTR.

DATA SHEET NO. 14

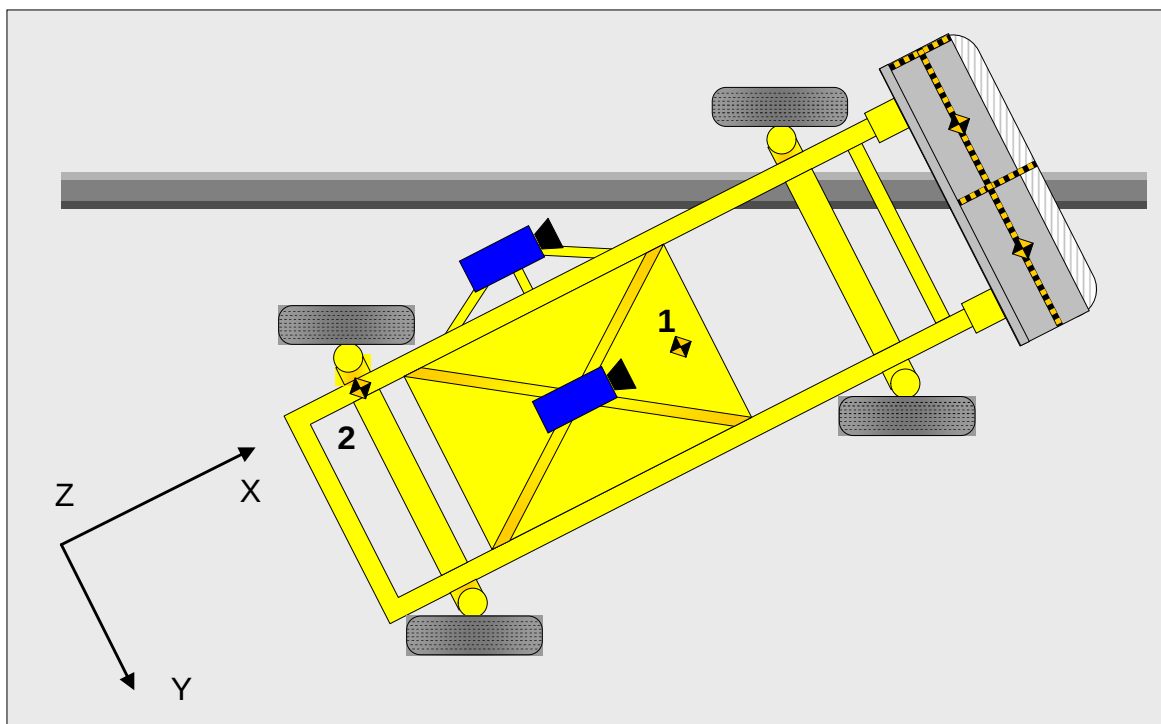
MDB ACCELEROMETER LOCATIONS

Test Vehicle: 2007 Honda CR-V

NHTSA No. M75305

Test Program: NCAP Side Impact

Test Date: November 08, 2006



Loc. No.	Accelerometer Location	Measurements (mm)		
		X	Y	Z
1	MDB CG	1859	0	-330
2	MDB Rear	386	-660	-660

Reference Points
X - MDB Rear Bumper (+ forward)
Y - MDB Centerline (+ to right)
Z - Ground Plane (+ down)

DATA SHEET NO. 15**VEHICLE STRUCTURAL MEASUREMENTS**

Test Vehicle: 2007 Honda CR-V

NHTSA No. M75305

Test Program: NCAP Side Impact

Test Date: November 08, 2006

	Elements	Pre-Test (mm)
1	Total Length	4500
2	Total Width	1802
3	Bumper Top Height	557
4	Bumper Bottom Height	452
5	Longitudinal Member Top Height	575
6	Distance between Longitudinal Members	1102
7	Longitudinal Member Width	86
8	Engine Top Height	848
9	Engine Bottom Height	217
10	Engine and gearbox width	770
11	Front bumper-engine distance	397
12	Front shock absorber fixing height	978
13	Bonnet leading edge height	876
14	Front shock absorber fixing width	1152
15	Front bumper – front axle distance	882
16	Front axle – a pillar distance	461
17	A-pillar – B-pillar distance	1119
18	B-Pillar – rear axle distance	1046
19	B-pillar – C-pillar distance	970
20	Roof sill bottom height	1518
21	Roof sill top height	1616
22	Floor sill bottom height	364
23	Floor sill top height	417

DATA SHEET NO. 16

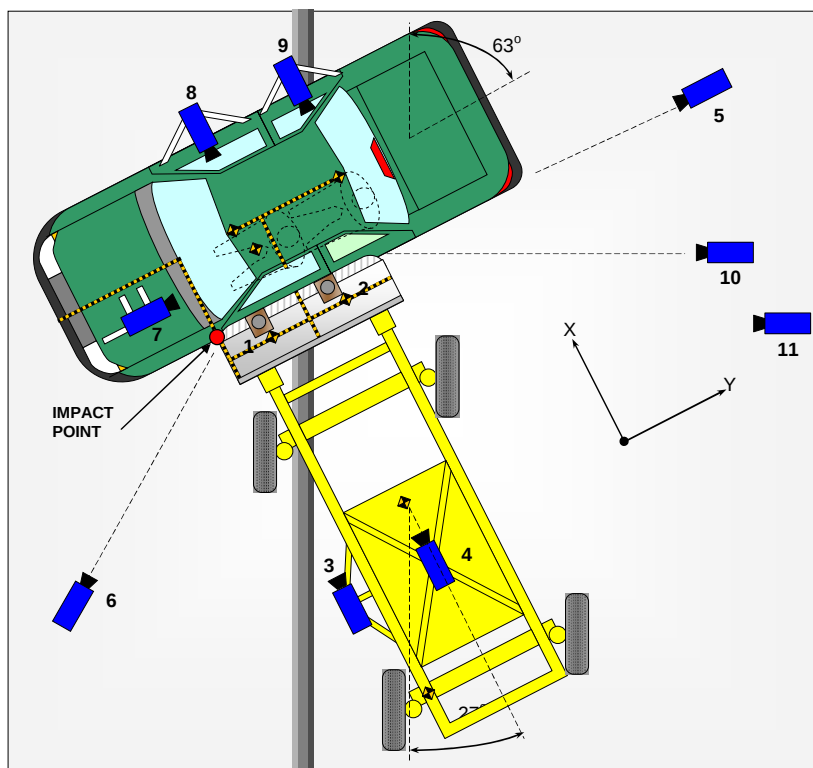
HIGH SPEED CAMERA LOCATIONS AND DATA

Test Vehicle: 2007 Honda CR-V

NHTSA No. M75305

Test Program: NCAP Side Impact

Test Date: November 08, 2006



No.	Camera View	Location (mm)			Angle (deg)	Lens (mm)	Film Speed (fps)
		X	Y	Z			
1	Overhead Overall	72	812	-4880	-90.0	8	1000
2	Overhead Close-up	195	855	-4880	-90.0	28	1000
3	MDB Onboard, Impact Point Close-up	-1470	0	-847	0	13	1000
4	MDB Onboard, Centerline of Impact	-1140	838	-1587	-17	7.5	1000
5	Right Side, Ground Level, Overall	135	10351	-1134	-3.0	50	1000
6	Left Side, Ground Level, Overall	-2394	-2207	-1064	-6.4	28	1000
7	Vehicle Onboard Front SID/HIII, Front	540	-490	-1395	-7.4	25	1000
8	Vehicle Onboard Front SID/HIII, Side	1724	825	-1190	-4.5	12.5	1000
9	Vehicle Onboard Rear SID/HIII, Side	1724	1730	-1220	-7.2	12.5	1000
10	Secondary Impact Point	-4531	2861	-1038	-2.1	25	1000
11	Real Time Coverage						30

Reference Points
 X - Impact Line
 Y - MDB Left Edge Impact Point
 Z - Ground Plane

DATA SHEET NO. 17
SUMMARY OF FMVSS 301 DATA

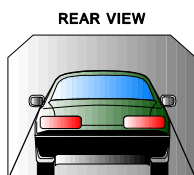
Test Vehicle:	2007 Honda CR-V	NHTSA No.	M75305
Test Program:	NCAP Side Impact	Test Date:	November 08, 2006

FUEL SYSTEM INTEGRITY POST IMPACT DATA

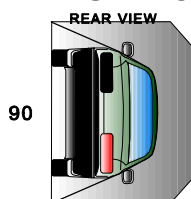
Time Interval	FMVSS 301 Maximum Allowable Spillage	Spillage (g)
Impact Until Motion Ceases	28 g	0
First Five Minutes Following Impact	142 g	0
Next 25 Minutes	28 g / 1 minute	0

Spillage Location(s)	None
----------------------	------

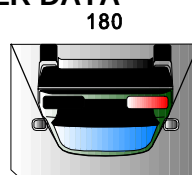
STATIC ROLLOVER DATA



0/360

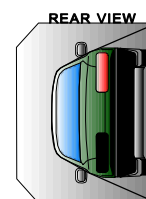


90



180

REAR VIEW



270

Rollover Stage	Rotation Time (spec. 1 -3 min)				FMVSS 301 Hold Time		Total Time				Next Whole Minute Interval	
0° - 90°	1	minutes	8	seconds	5	minutes	6	minutes	8	seconds	7	minutes
90° - 180°	1	minutes	9	seconds	5	minutes	6	minutes	9	seconds	7	minutes
180°-270°	1	minutes	5	seconds	5	minutes	6	minutes	5	seconds	7	minutes
270°-360°	1	minutes	10	seconds	5	minutes	6	minutes	10	seconds	7	minutes

Rollover Stage	Spillage (g)			
	First 5 min. from onset of rotation	6 th min.	7 th min.	8 th min. (if required)
0° - 90°	0	0	0	-
90° - 180°	0	0	0	-
180°-270°	0	0	0	-
270°-360°	0	0	0	-
FMVSS 301 Maximum Allowable (for each 90° stage)	142	28	28	28

Rollover Stage	Spillage Location(s)
0° - 90°	None
90° - 180°	None
180°-270°	None
270°-360°	None

APPENDIX A
PHOTOGRAPHS

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A-26	Post-Test Right Side View of MDB Impactor Face	A-16
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A-41	Pre-Test Left Occupant Compartment View of Passenger	A-24
A-42	Post-Test Left Occupant Compartment View of Passenger	A-24
A-43	Pre-Test Left Front Interior Trim	A-25
A-44	Post-Test Left Front Interior Trim	A-25
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A-46	Post-Test Left Rear Interior Trim	A-26
A-47	Pre-Test Left Front $\frac{3}{4}$ View of Left Side Doors	A-27
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Figure A-1: As Received Left Front $\frac{3}{4}$ View



Figure A-2: As Received Right Rear $\frac{3}{4}$ View



Figure A-3: Vehicle Certification Label

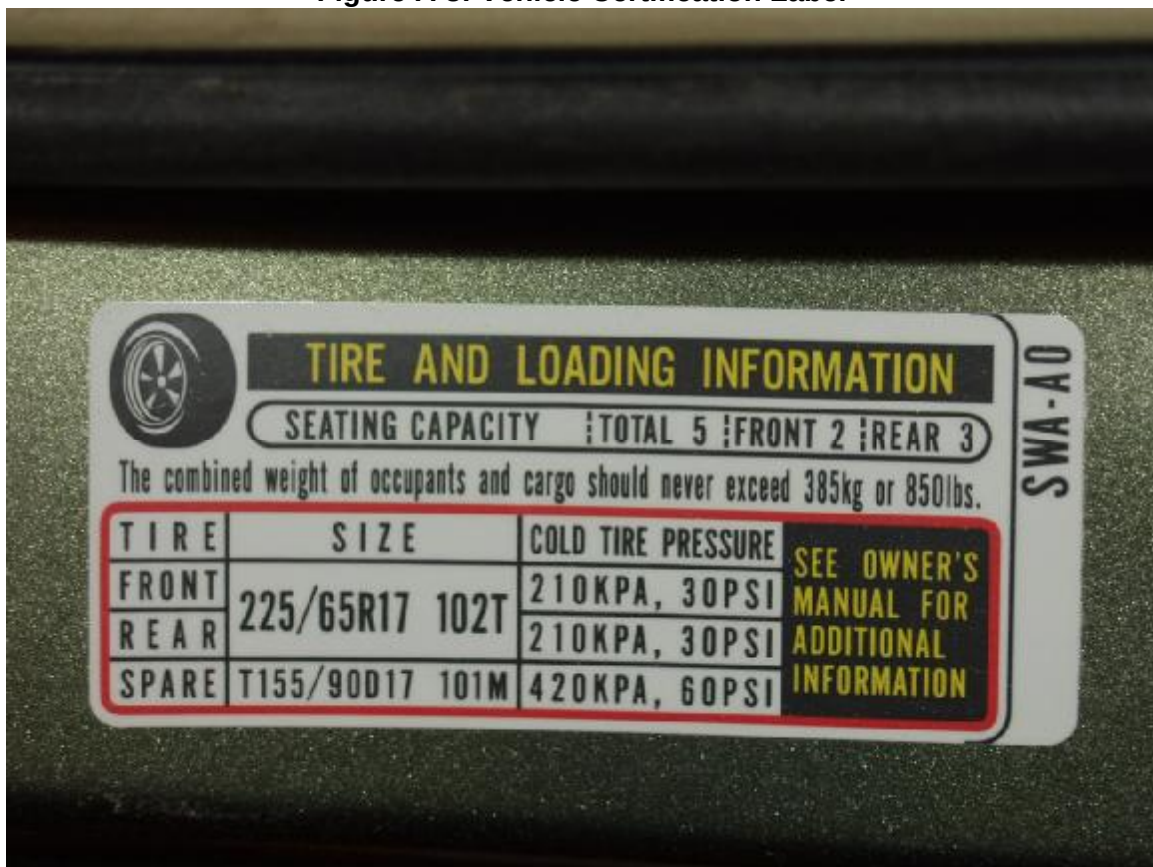


Figure A-4: Vehicle Tire Placard Label



Figure A-5: Pre-Test Front View

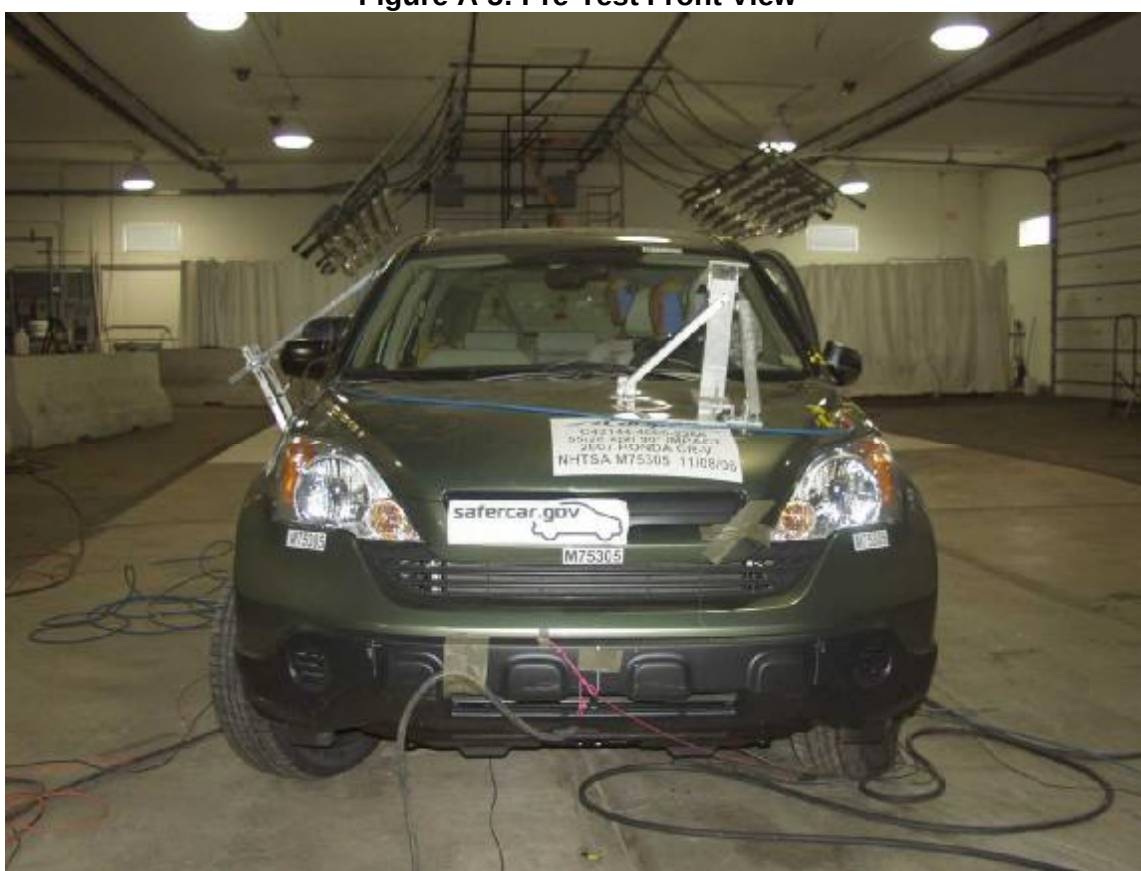


Figure A-6: Post-Test Front View



Figure A-7: Pre-Test Left Front $\frac{3}{4}$ View



Figure A-8: Post-Test Left Front $\frac{3}{4}$ View

Photograph Not Available

Figure A-9: Pre-Test Left Side View



Figure A-10: Post-Test Left Side View



Figure A-11: Pre-Test Left Rear $\frac{3}{4}$ View



Figure A-12: Post-Test Left Rear $\frac{3}{4}$ View



Figure A-13: Pre-Test Rear View



Figure A-14: Post-Test Rear View



Figure A-15: Pre-Test Right Rear $\frac{3}{4}$ View



Figure A-16: Post-Test Right Rear $\frac{3}{4}$ View



Figure A-17: Pre-Test Right Side View



Figure A-18: Post-Test Right Side View



Figure A-19: Pre-Test Right Front $\frac{3}{4}$ View



Figure A-20: Post-Test Right Front $\frac{3}{4}$ View

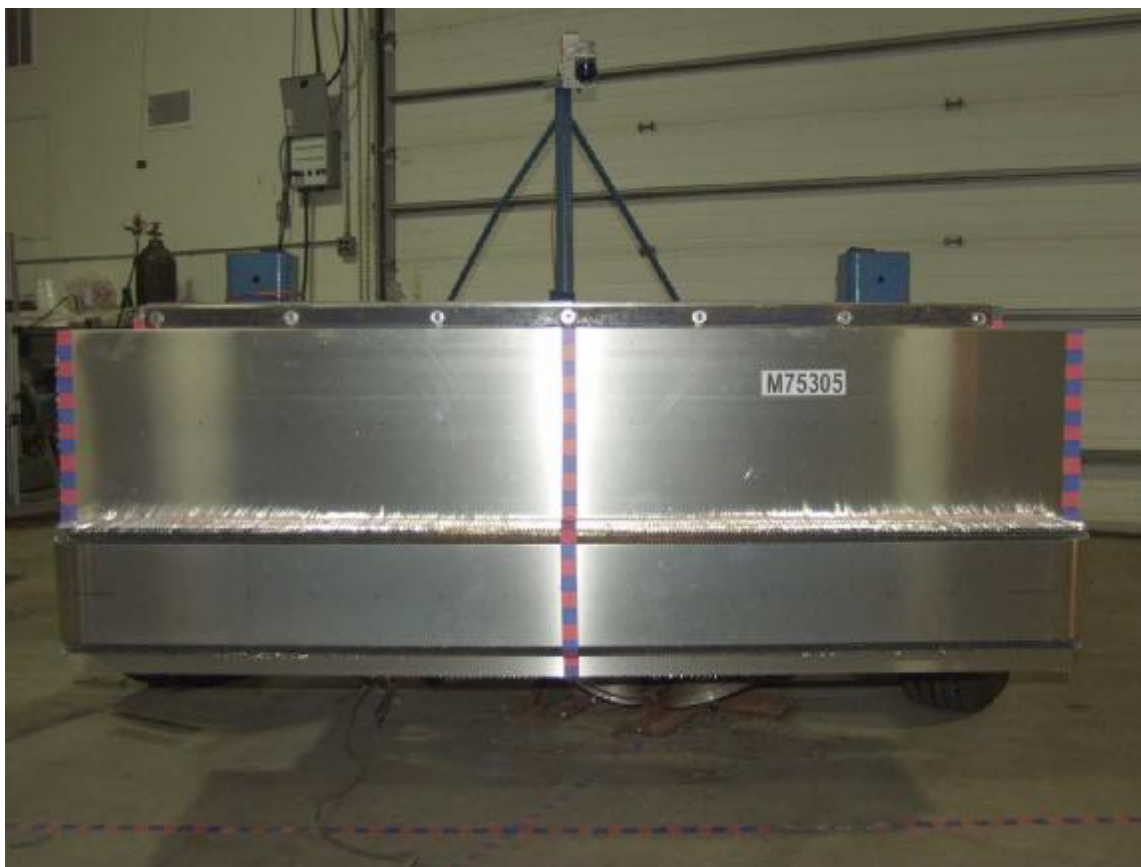


Figure A-21: Pre-Test Frontal View of MDB Impactor Face



Figure A-22: Post-Test Frontal View of MDB Impactor Face



Figure A-23: Pre-Test Left Side View of MDB Impactor Face



Figure A-24: Post-Test Left Side View of MDB Impactor Face



Figure A-25: Pre-Test Right Side View of MDB Impactor Face



Figure A-26: Post-Test Right Side View of MDB Impactor Face



Figure A-27: Pre-Test Top View of MDB Impactor Face



Figure A-28: Post-Test Top View of MDB Impactor Face



Figure A-29: Pre-Test Left Side View of Aligned MDB and Vehicle



Figure A-30: Pre-Test Right Side View of Aligned MDB and Vehicle



Figure A-31: Pre-Test Overhead View of Aligned MDB and Vehicle



Figure A-32: Post-Test Overhead View of MDB and Vehicle



Figure A-33: Pre-Test Close-Up View of Impact Point Target



Figure A-34: Post-Test Close-Up View of Impact Point Target



Figure A-35: Pre-Test Right Occupant Compartment View of Driver



Figure A-36: Post-Test Right Occupant Compartment View of Driver



Figure A-37: Pre-Test Right Occupant Compartment View of Passenger



Figure A-38: Post-Test Right Occupant Compartment View of Passenger



Figure A-39: Pre-Test Left Occupant Compartment View of Driver



Figure A-40: Post-Test Left Occupant Compartment View of Driver



Figure A-41: Pre-Test Left Occupant Compartment View of Passenger



Figure A-42: Post-Test Left Occupant Compartment View of Passenger



Figure A-43: Pre-Test Left Front Interior Trim



Figure A-44: Post-Test Left Front Interior Trim



Figure A-45: Pre-Test Left Rear Interior Trim



Figure A-46: Post-Test Left Rear Interior Trim



Figure A-47: Pre-Test Left Front $\frac{3}{4}$ View of Left Side Doors



Figure A-48: Post-Test Left Front $\frac{3}{4}$ View of Left Side Doors



Figure A-49: Pre-Test Left Rear $\frac{3}{4}$ View of Left Side Doors



Figure A-50: Post-Test Left Rear $\frac{3}{4}$ View of Left Side Doors

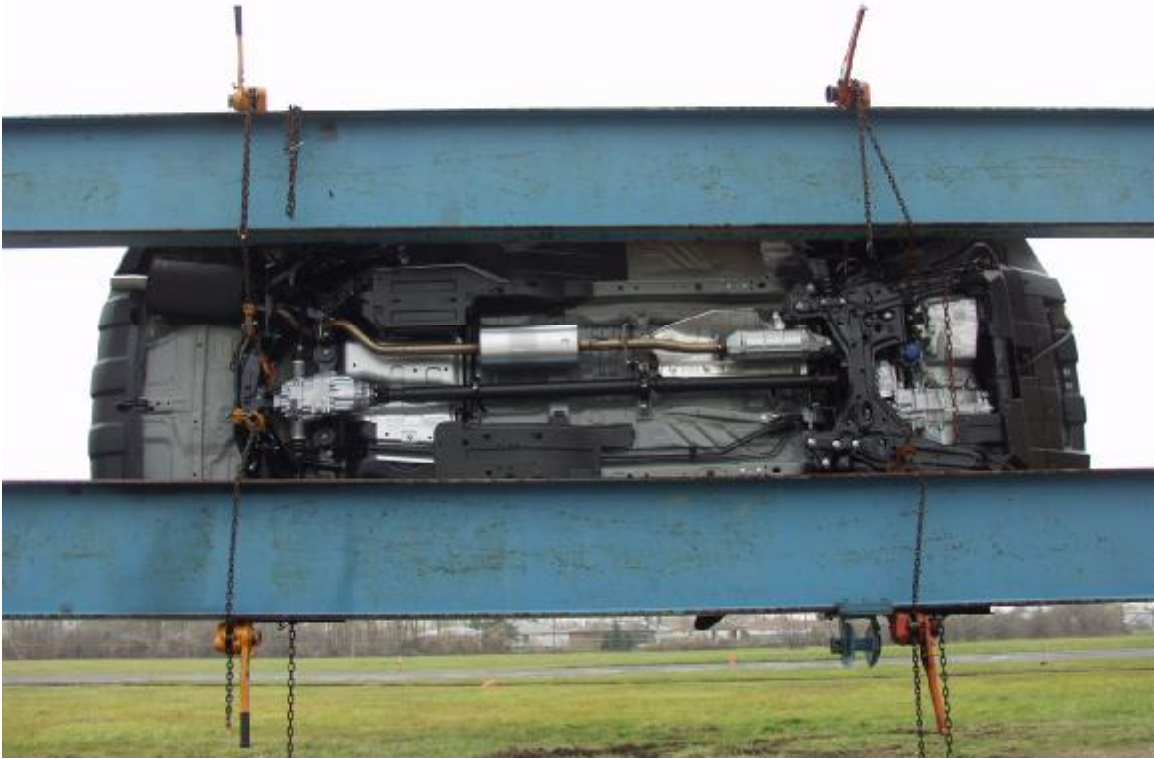


Figure A-51: Rollover 90 Degrees



Figure A-52: Rollover 180 Degrees



Figure A-53: Rollover 270 Degrees



Figure A-54: Rollover 360 Degrees



Figure A-55: Impact Photo

APPENDIX B
SID/HIII, VEHICLE AND MDB RESPONSE DATA
(SAE sign convention)

DATA CHANNEL FILTER CLASS SUMMARY

Data Type	SAE Filter Class
Dummy Head Accelerations	CFC 1000
Rib Accelerations	FIR 100
Spine Accelerations	FIR 100
Pelvis Accelerations	FIR 100

DATA CHANNEL TITLE KEY

Prefix	Suffix
V1 = Vehicle 1 (Moving Barrier)	Ax = Acceleration, X-direction
V2 = Vehicle 2 (Test Vehicle)	Ay = Acceleration, Y-direction
P1 = Left Front Seating Position (Driver)	Az = Acceleration, Z-direction
P4 = Left Second Row Seating Position (Passenger)	Fx = Force, X-direction
A1-A18 = Accelerometer Location Number	Fy = Force, Y-direction
	Fz = Force, Z-direction
	Mx = Moment about X
	My = Moment about Y
	Mz = Moment about Z

TABLE OF DATA PLOTS

PLOT	PLOT NAME[UNITS, CHANNEL FILTER CLASS]	PAGE
1	V2P1 Head Ax [g, CFC_1000]	B-5
2	V2P1 Head Ay [g, CFC_1000]	B-5
3	V2P1 Head Az [g, CFC_1000]	B-5
4	V2P1 Head Ar [g, CFC_1000]	B-5
5	V1P1 Upper Rib Ay [g, FIR_100]	B-6
6	V1P1 Lower Rib Ay [g, FIR_100]	B-6
7	V1P1 Lower Spine Ay [g, FIR_100]	B-6
8	V1P1 Pelvic Ay [g, FIR_100]	B-6
9	V2P4 Head Ax [g, CFC_1000]	B-7
10	V2P4 Head Ay [g, CFC_1000]	B-7
11	V2P4 Head Az [g, CFC_1000]	B-7
12	V2P4 Head Ar [g, CFC_1000]	B-7
13	V1P4 Upper Rib Ay [g, FIR_100]	B-8
14	V1P4 Lower Rib Ay [g, FIR_100]	B-8
15	V1P4 Lower Spine Ay [g, FIR_100]	B-8
16	V1P4 Pelvic Ay [g, FIR_100]	B-8

The following dummy, vehicle and load cell response data can be found in the research and development section of the NHTSA website at: www.nhtsa.dot.gov

V2P1 Head Ax	V2A1 Right Front Sill Ax
V2P1 Head Ay	V2A1 Right Front Sill Ay
V2P1 Head Az	V2A1 Right Front Sill Az
V2P1 Upper Neck Fx	V2A2 Right Rear Sill Ax
V2P1 Upper Neck Fy	V2A2 Right Rear Sill Ay
V2P1 Upper Neck Fz	V2A2 Right Rear Sill Az
V2P1 Upper Neck Mx	V2A3 Rear Floorpan Ax
V2P1 Upper Neck My	V2A3 Rear Floorpan Ay
V2P1 Upper Neck Mz	V2A3 Rear Floorplan Az
V2P1 Upper Rib Ay	V2A4 Left Rear Sill Ay
V2P1 Upper Rib Redundant Ay	V2A5 Left Front Sill Ay
V2P1 Lower Rib Ay	V2A7 Right Rear Compartment Ay
V2P1 Lower Rib Redundant Ay	V2A12 Left Lower B Post Ay
V2P1 Lower Spine Ay	V2A13 Left Mid B Post Ay
V2P1 Lower Spine Redundant Ay	V2A14 Left Lower A Post Ay
V2P1 Pelvic Ay	V2A15 Left Mid A Post Ay
V2P1 Pelvic Redundant Ay	V2A16 Front Seat Track Ay
V2P4 Head Ax	V2A17 Rear Seat Track Ay
V2P4 Head Ay	V2A18 Target CG Ax
V2P4 Head Az	V2A18 Target CG Ay
V2P4 Upper Neck Fx	V2A18 Target CG Az
V2P4 Upper Neck Fy	V1 Moving Barrier CG Ax
V2P4 Upper Neck Fz	V1 Moving Barrier CG Ay
V2P4 Upper Neck Mx	V1 Moving Barrier CG Az
V2P4 Upper Neck My	V1 Moving Barrier Left Rail Ax
V2P4 Upper Neck Mz	V1 Moving Barrier Left Rail Ay
V2P4 Upper Rib Ay	
V2P4 Upper Rib Redundant Ay	
V2P4 Lower Rib Ay	
V2P4 Lower Rib Redundant Ay	
V2P4 Lower Spine Ay	
V2P4 Lower Spine Redundant Ay	
V2P4 Pelvic Ay	
V2P4 Pelvic Redundant Ay	

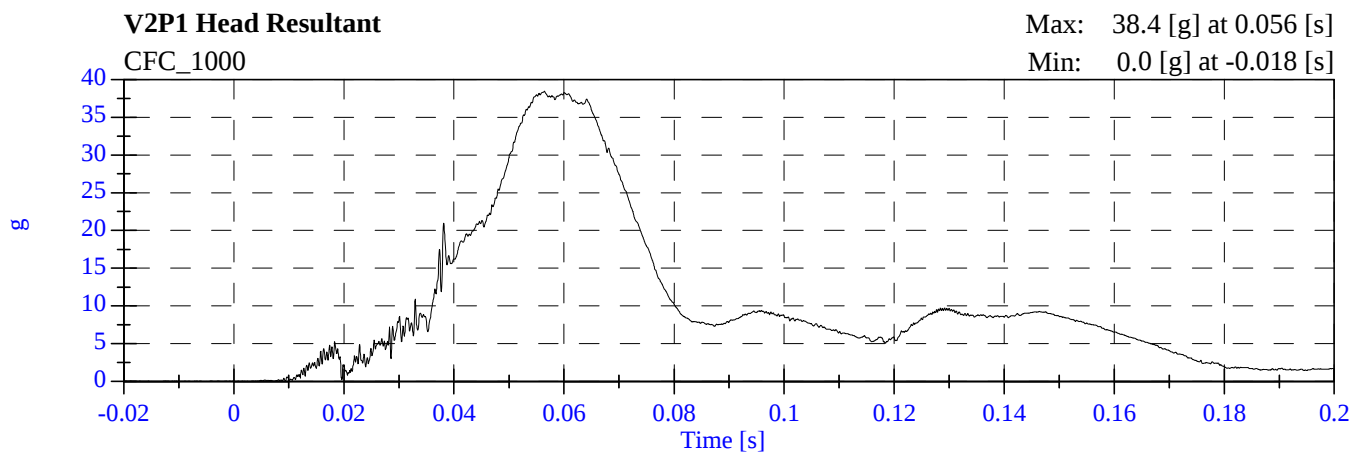
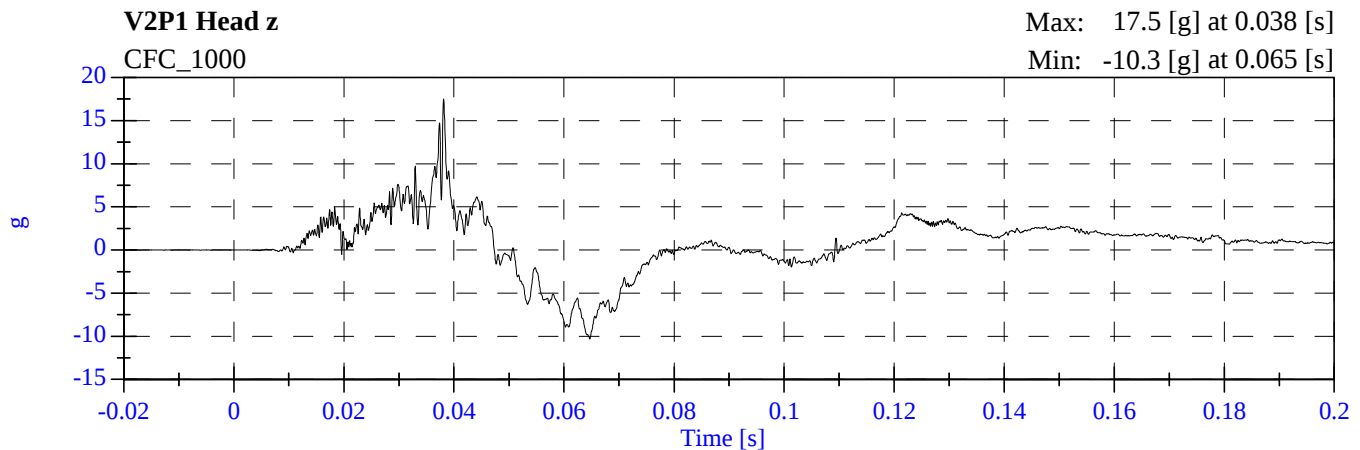
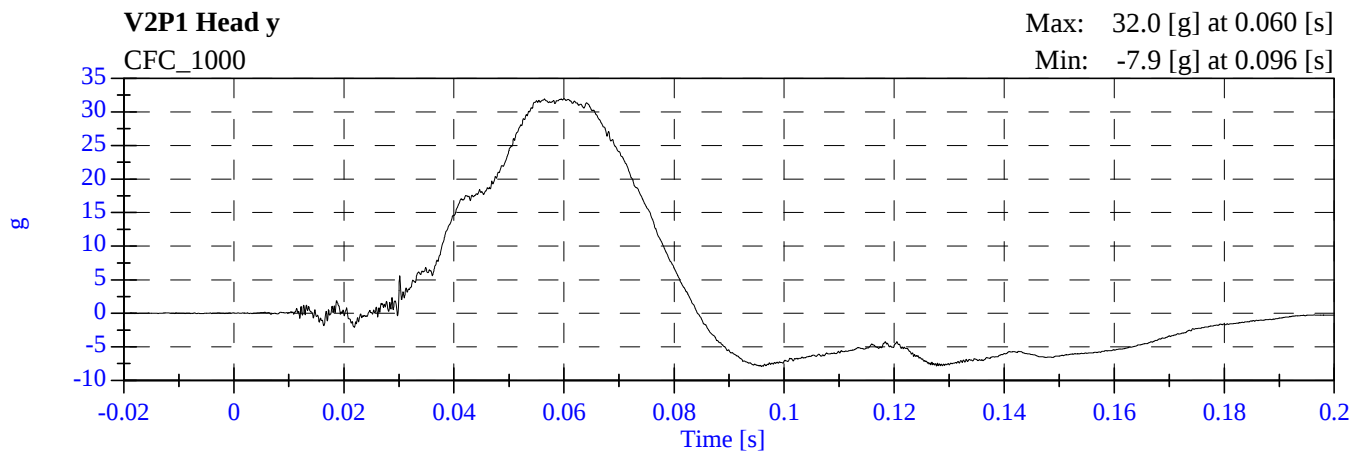
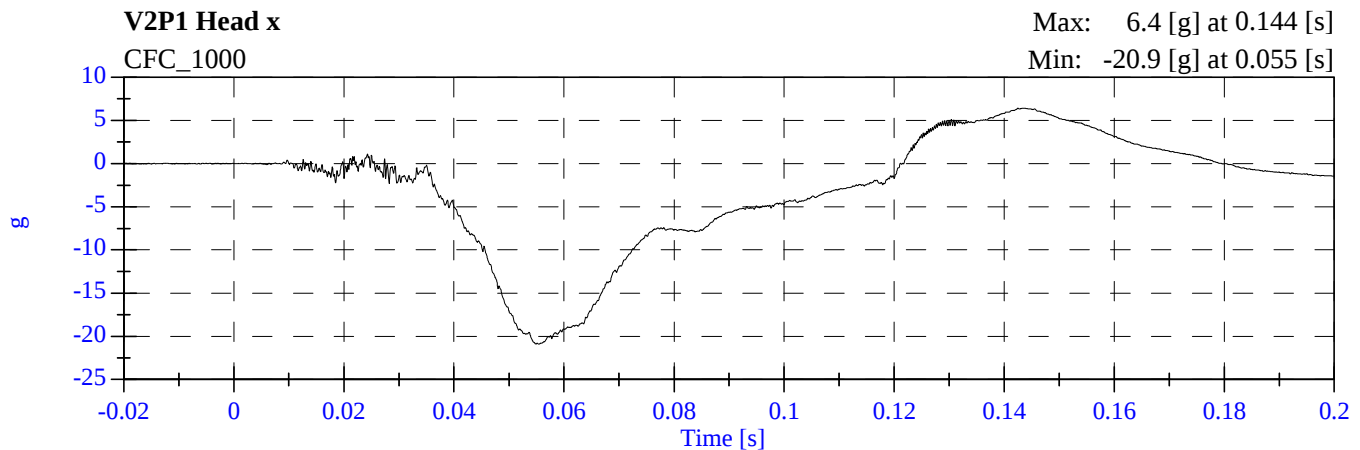
TEST NOTES

The following data anomalies occurred:

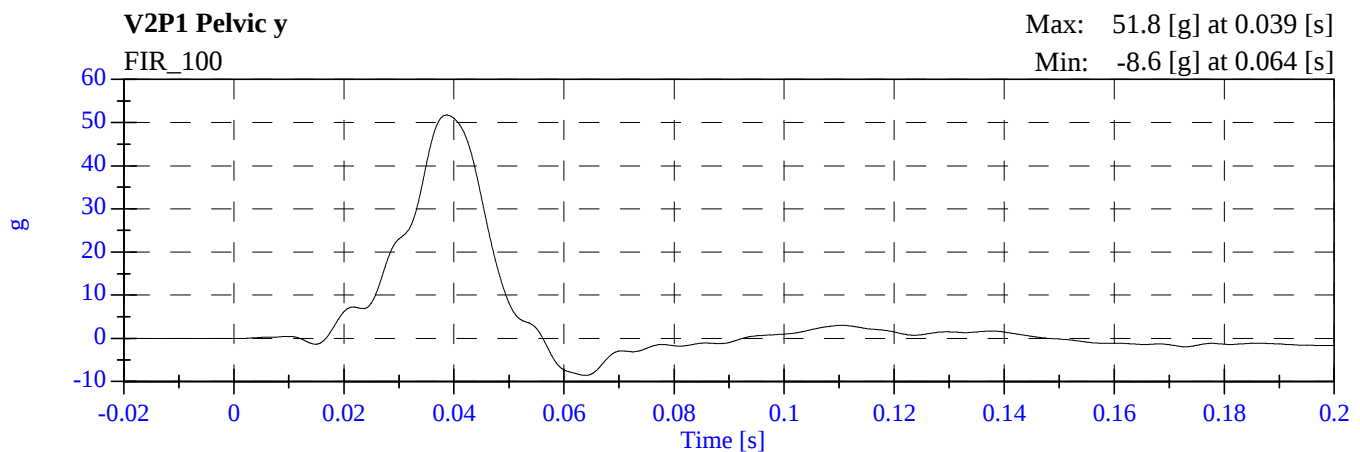
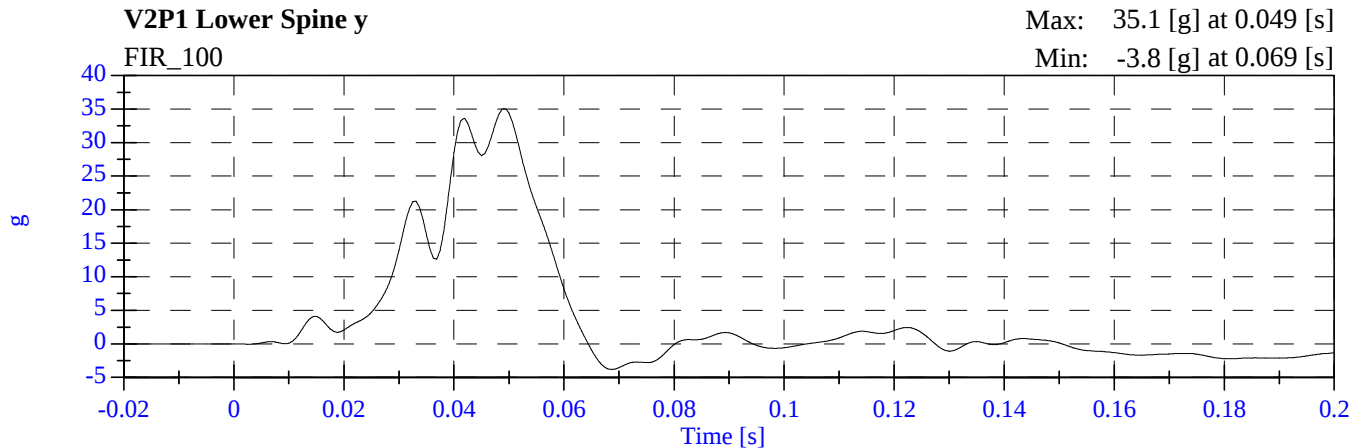
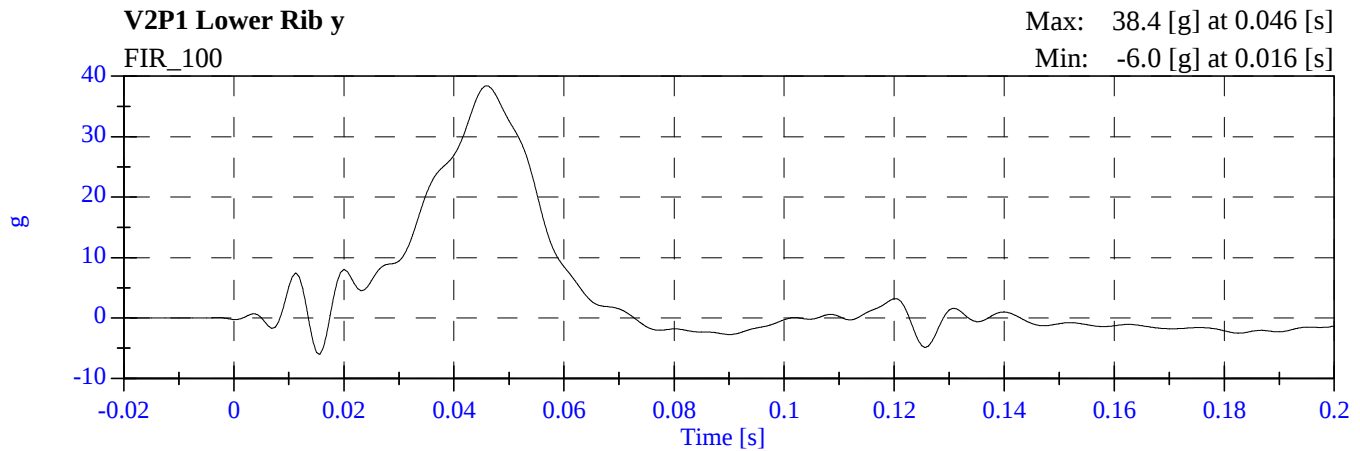
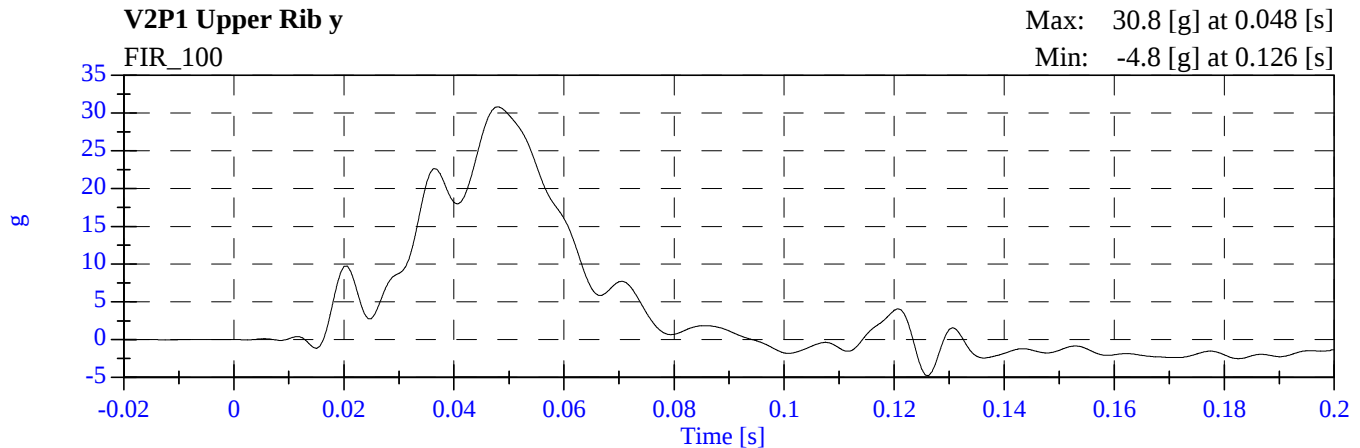
V2A17 Rear Seat Track Y - Questionable Data
V1 Moving Barrier CG X - Questionable Data

2007 SENCAP - 2007 Honda CRV

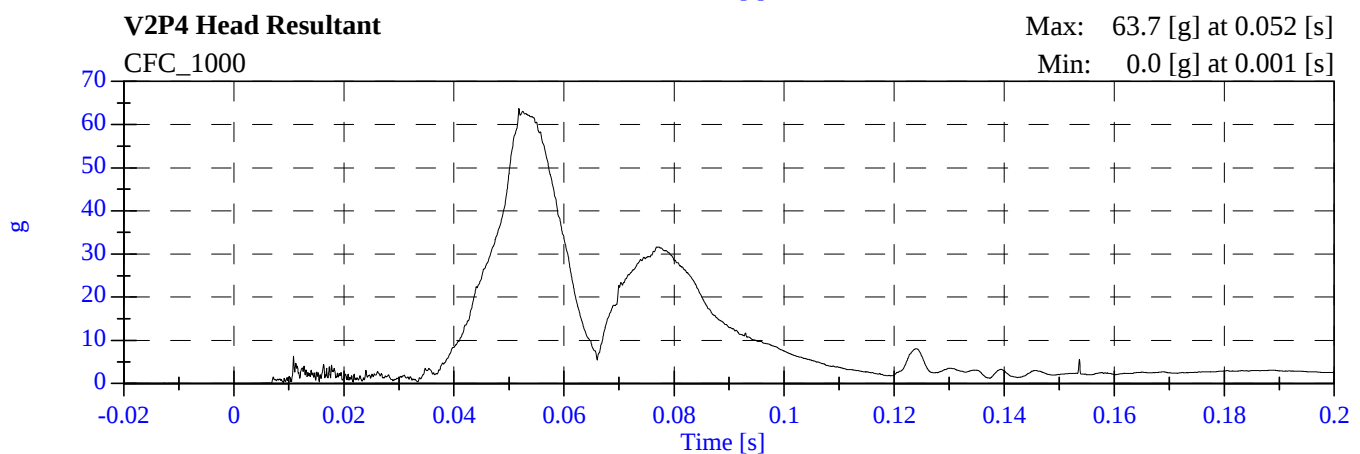
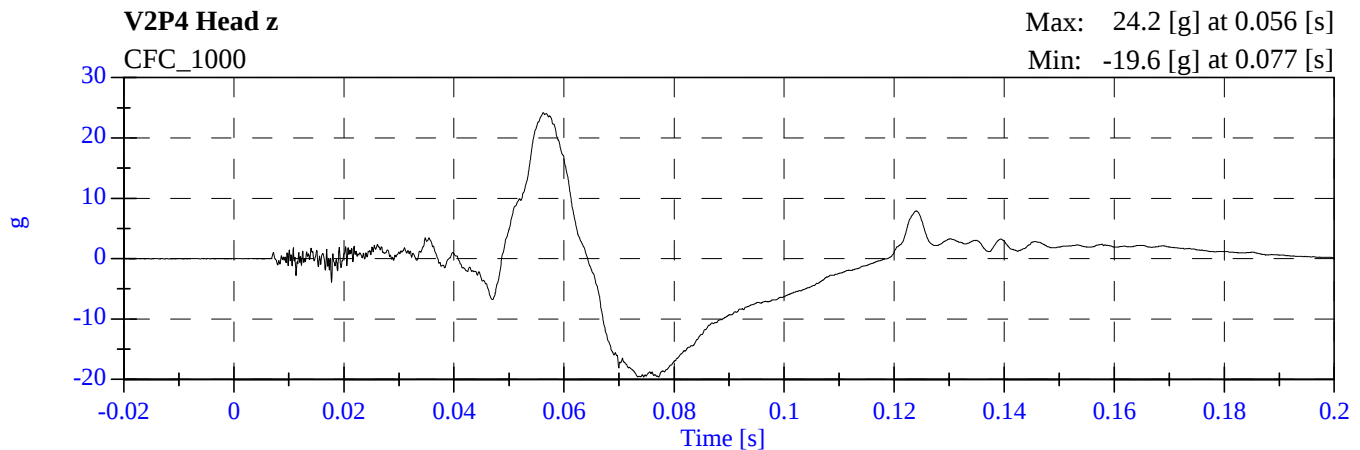
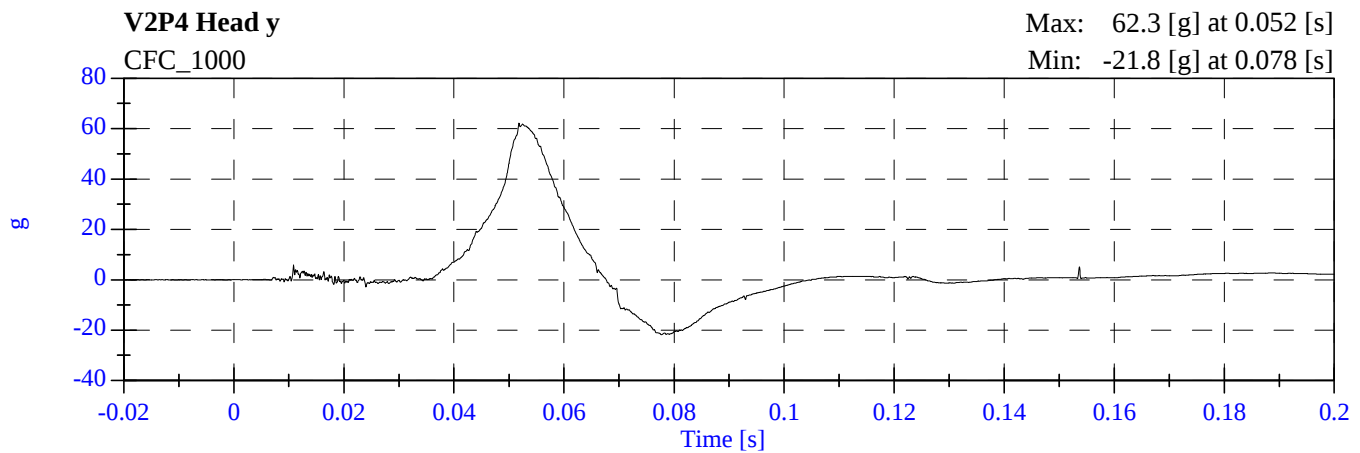
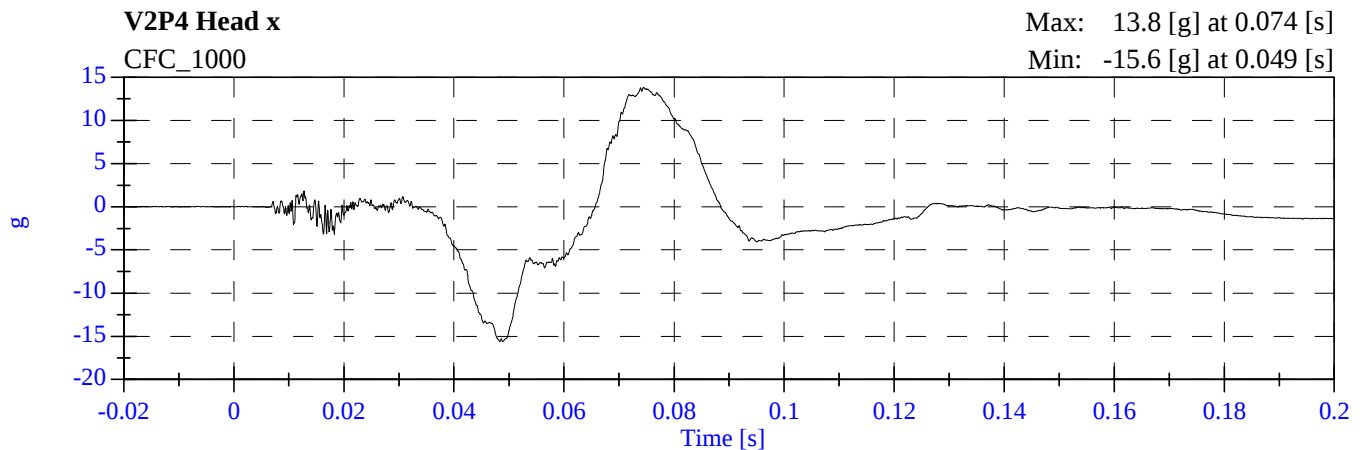
M75305 - November 08, 2006



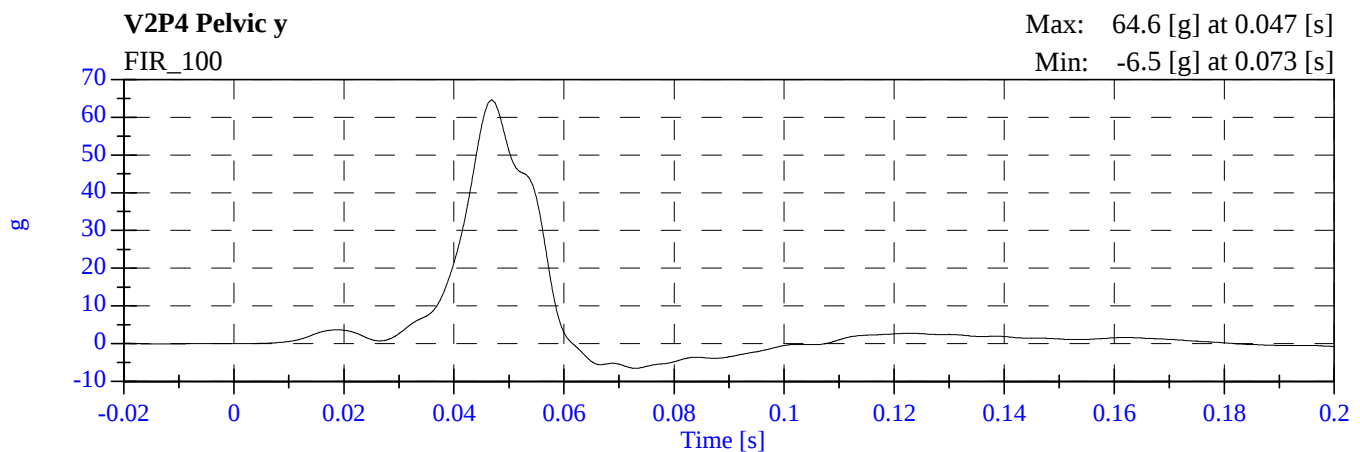
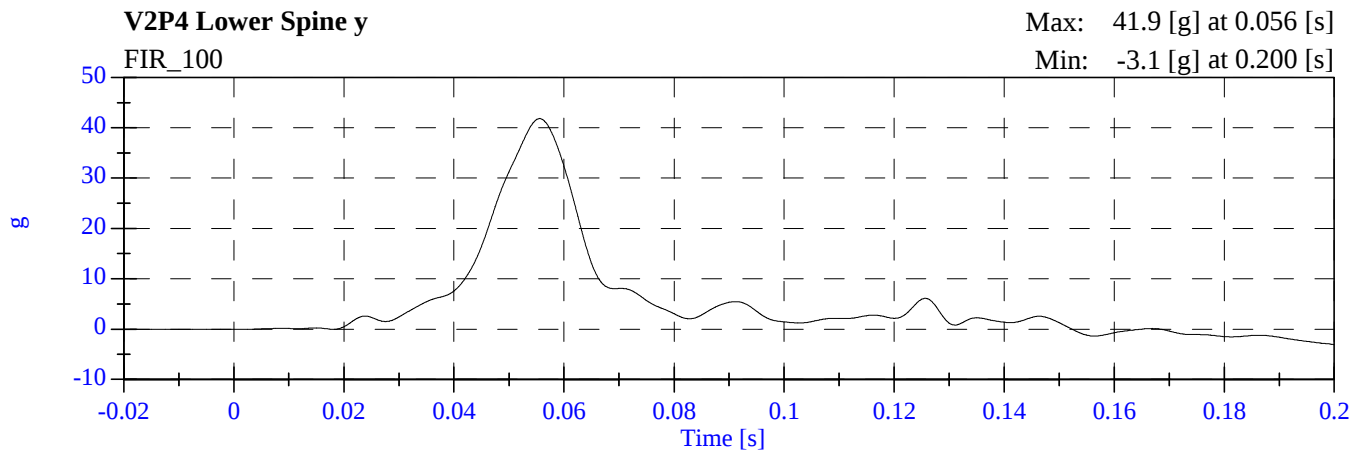
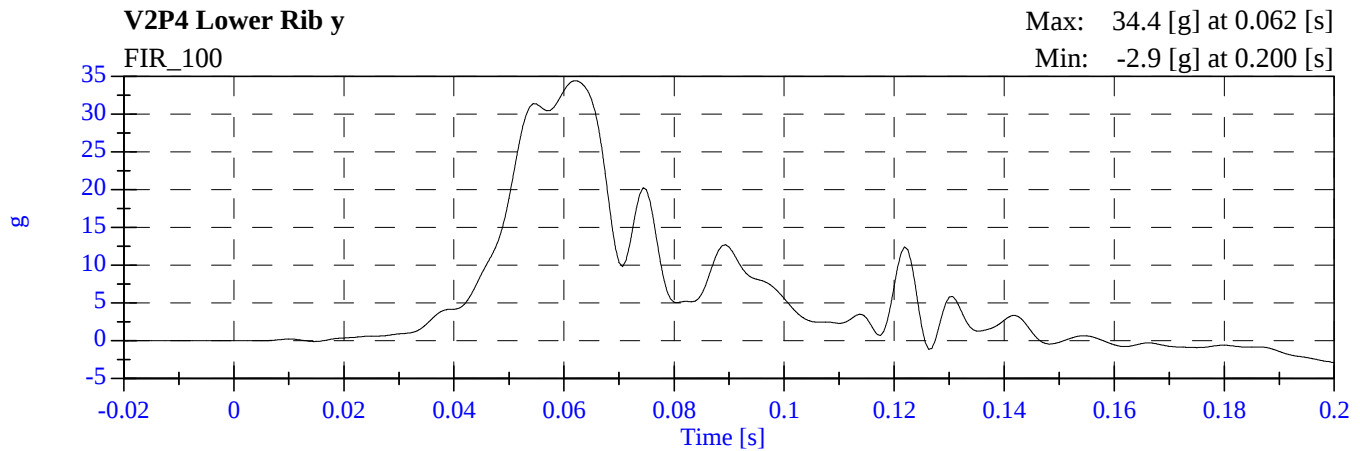
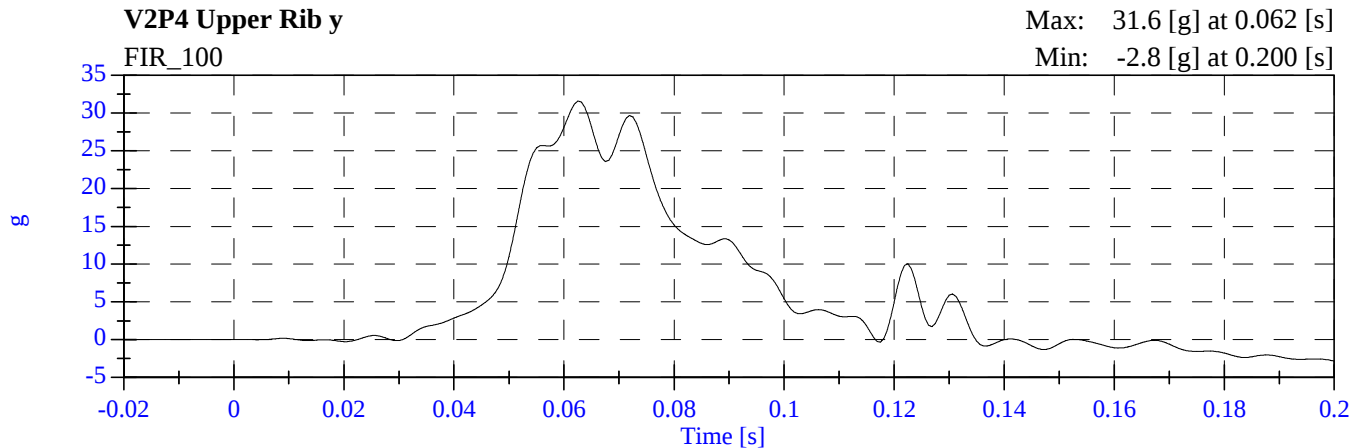
2007 SNCAP - 2007 Honda CRV M75305 - November 08, 2006



2007 SNCAP - 2007 Honda CRV M75305 - November 08, 2006



2007 SNCAP - 2007 Honda CRV M75305 - November 08, 2006



APPENDIX C

DUMMY CONFIGURATION AND PERFORMANCE VERIFICATION DATA

SUMMARY
SID H3 PRE & POST TEST CALIBRATION

CONFIGURED FOR LEFT SIDE IMPACT

Date: 10/30/2006

Sequential Test Number:

1.3;1.3

Laboratory Technician:

B. Swiecicki

TEST PARAMETER	SPECIFICATION	SID H3 NO.: 269		SID H3 NO.: 270	
		PRE TEST	POST TEST	PRE TEST	POST TEST
SH- Seated Height (mm)	889 - 909	899	899	905	899
RH- Rib Height (mm)	501 - 521	513	506	512	506
HP- Hip Pivot Height (mm)	99 ref.	99	99	99	99
RD- Rib from Back Line (mm)	229 - 241	240	234	236	236
KV- Knee Pivot from Back Line (mm)	511 - 526	520	516	513	516
SW- Knee Pivot to Floor (mm)	490 - 505	494	495	498	495
HW- Hip Width (mm)	356 - 391	363	381	358	384
THORAX IMPACTS					
TEMPERATURE (°C)	18.9 - 25.5	21.1	21.1	21.1	21.1
RELATIVE HUMIDITY (%)	10 - 70	35.00	40.00	35.00	40.00
PROBE SPEED (m/s)	4.27 - 4.33	4.30	4.28	4.31	4.28
UPPER RIB (g's)	37 - 46	40.69	39.26	40.57	38.64
LOWER RIB (g's)	37 - 46	40.09	39.29	38.94	37.07
LOWER SPINE (g's)	15 - 22	18.39	17.65	20.60	19.79
PELVIS IMPACT					
TEMPERATURE (°C)	18.9 - 25.5	21.1	21.1	21.1	21.1
RELATIVE HUMIDITY (%)	10 - 70	35.00	40.00	35.00	40.00
PROBE SPEED (m/s)	4.27 - 4.33	4.30	4.7	4.29	4.28
PELVIS (g's)	40 - 60	49.56	54.96	47.76	54.01

REMARKS: None

CALIBRATION TEST RESULTS

PRE-TEST

SID H3 NO.: 269

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 269	Sequential Test Number: 1.3
Date: October 30, 2006	Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
THORACIC SHOCK ABSORBER TEST	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
HEAD DROP TEST*	Passed all requirements.
LATERAL NECK BEND TEST*	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 269 Sequential Test Number: 1
Date: October 30, 2006 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 – 909	899
RH- Rib Height (mm)	502 – 520	513
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 – 241	240
KH- Knee Pivot from Back Line (mm)	511 – 526	520
KV- Knee Pivot to Floor (mm)	490 – 505	494
HW- Hip Width (mm)	356 - 391	363

REMARKS: None

SID High Speed Shock Test S/N:269 (3.05 m/s)

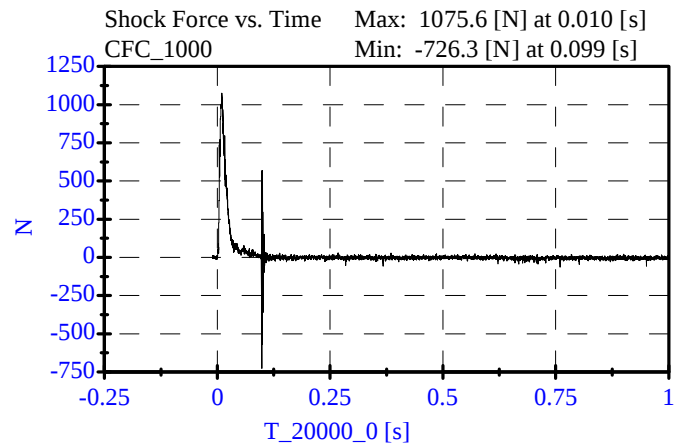
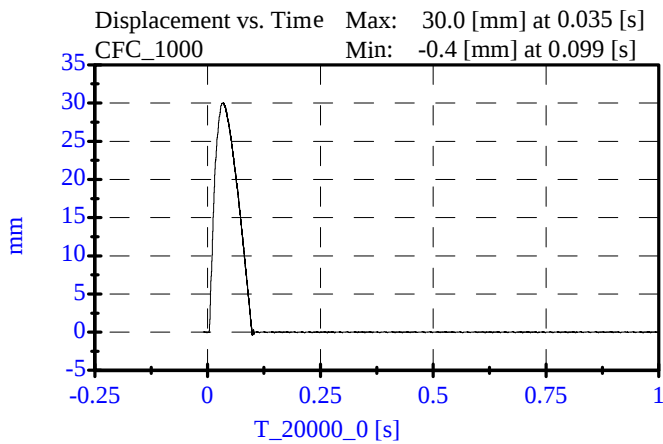
PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269
Date: September 15, 2006

Sequential Test Number: 1 File: 906SH
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	50.00 %	Passed
Displacement:	30.00-35.00 mm	30.01 mm	Passed
Maximum Force:	836.00-1125.00 N	1075.61 N	Passed
Impact Test Velocity:	3.05 m/s		
Damper Identification:	269		
Damper Setting:	5		



SID Mid Speed Shock Test S/N:269 (4.27 m/s)

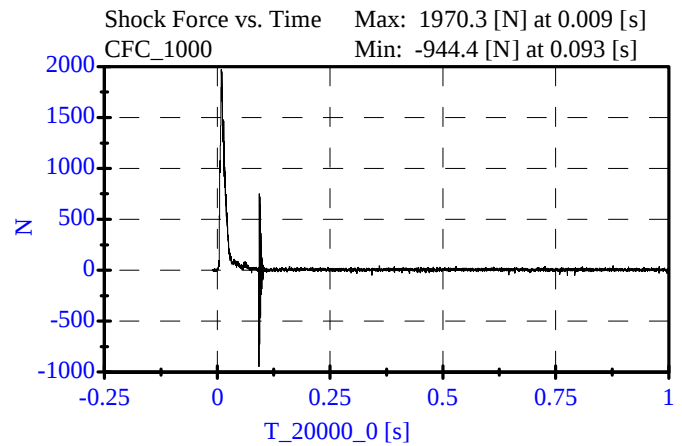
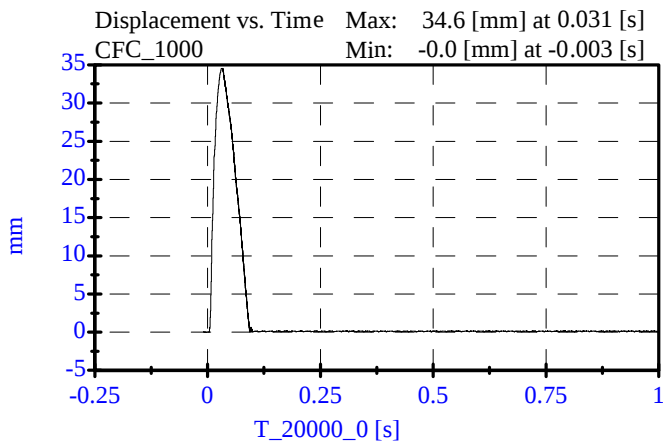
PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269
Date: September 15, 2006

Sequential Test Number: 1 File: 269SM
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	50.00 %	Passed
Displacement:	32.00-37.00 mm	34.56 mm	Passed
Maximum Force:	1730.00-2099.00 N	1970.28 N	Passed
Impact Test Velocity:	4.27 m/s		
Damper Identification:	269		
Damper Setting:	5		



SID High Speed Shock Test S/N:269 (6.10 m/s)

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

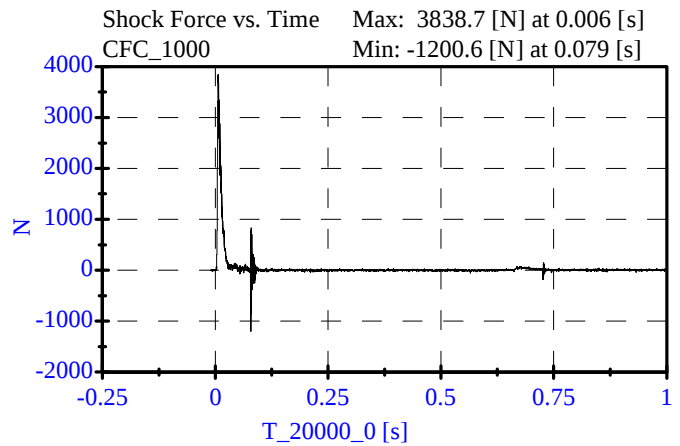
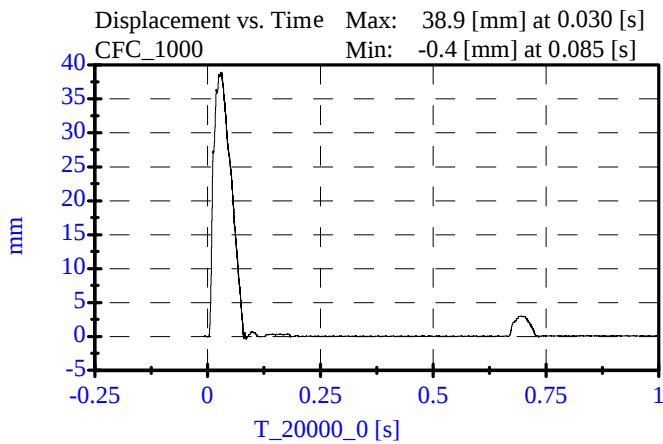
ATD Serial No: 269

Date: September 15, 2006

Sequential Test Number: 1 File: 269SM

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	50.00 %	Passed
Displacement:	33.00-40.00 mm	38.90 mm	Passed
Maximum Force:	3741.00-4448.00 N	3838.67 N	Passed
Impact Test Velocity:	6.10 m/s		
Damper Identification:	269		
Damper Setting:	5		



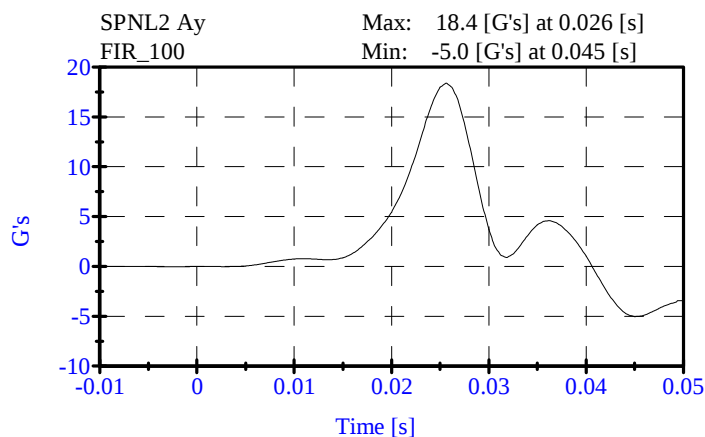
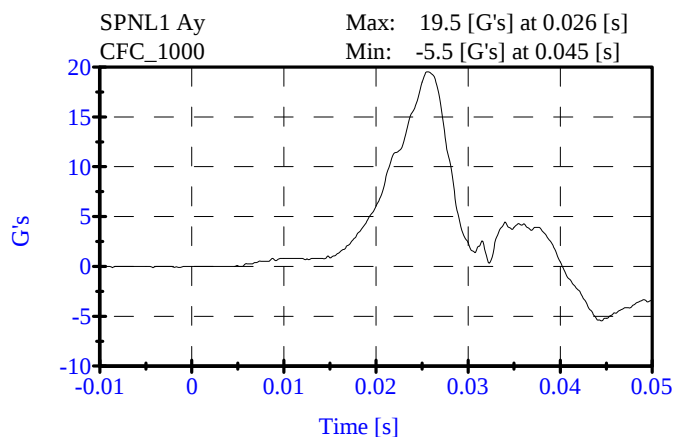
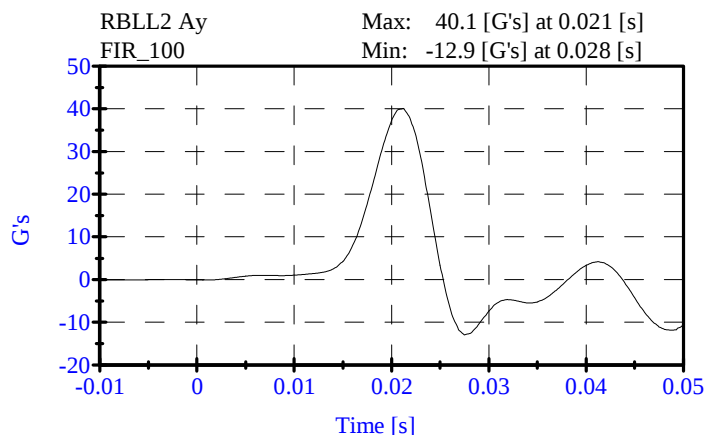
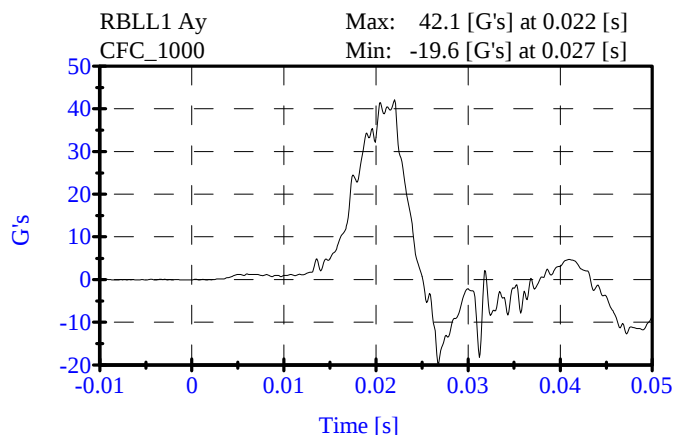
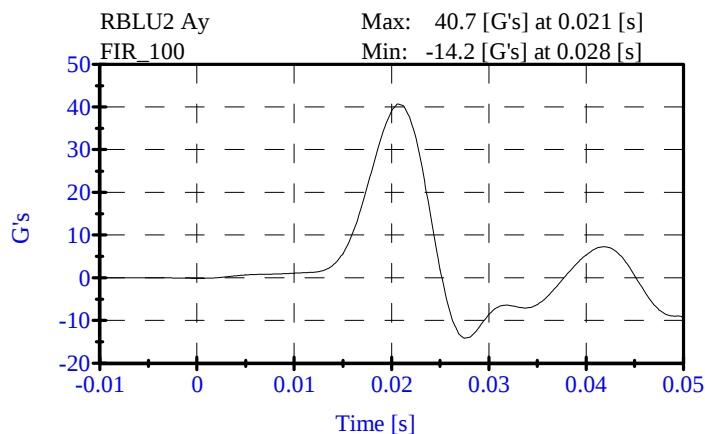
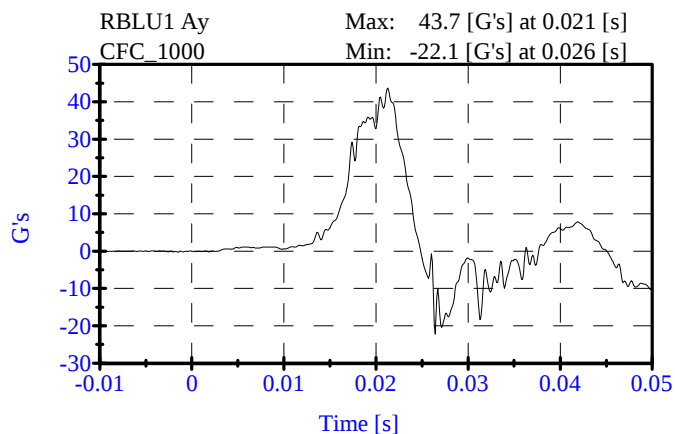
Thorax Impact **Pre-Test**

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269
Date: 10-27-06

Sequential Test Number: 1 File: 269T 10-27-06
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.30 m/s	Passed
Upper Rib Acceleration:	37.00-46.00 G's	40.69 G's	Passed
Lower Rib Acceleration:	37.00-46.00 G's	40.09 G's	Passed
Lower Spine Acceleration:	15.00-22.00 G's	18.39 G's	Passed



Pelvic Impact

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

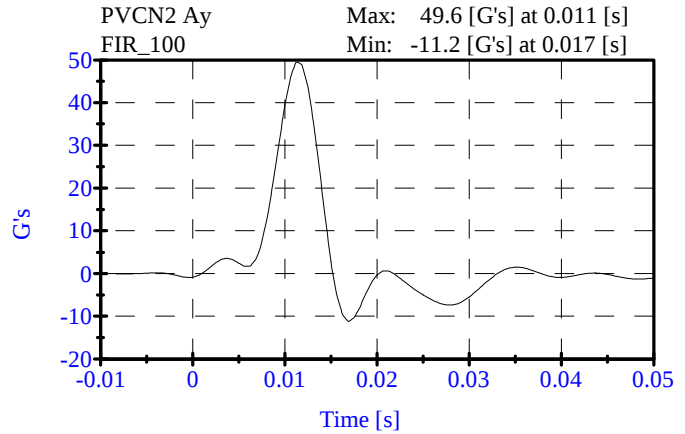
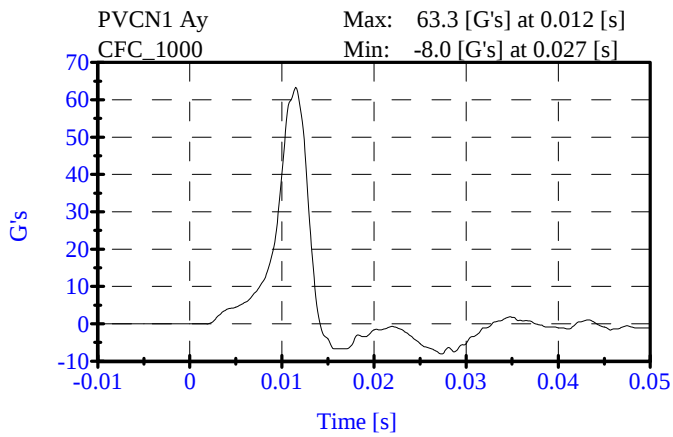
ATD Serial No: 269

Date: 10-27-06

Sequential Test Number: 1 File: 269P 10-27-06

Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.30 m/s	Passed
Pelvis Y Acceleration:	40.00-60.00 G's	49.56 G's	Passed
Time Above 20 Gs	3.0-7.0 ms	5.4 ms	Passed



Head Drop

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

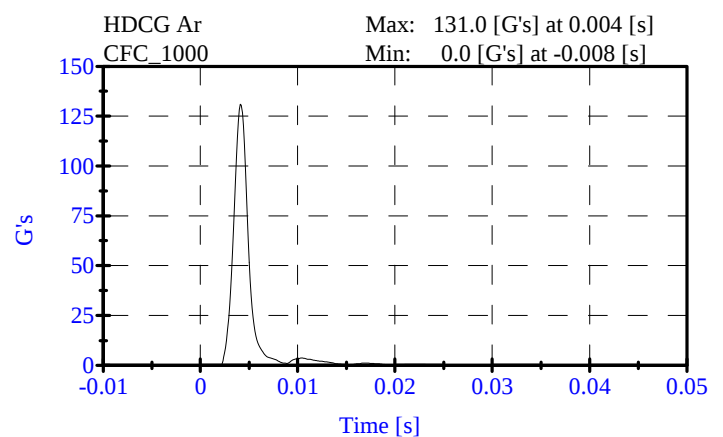
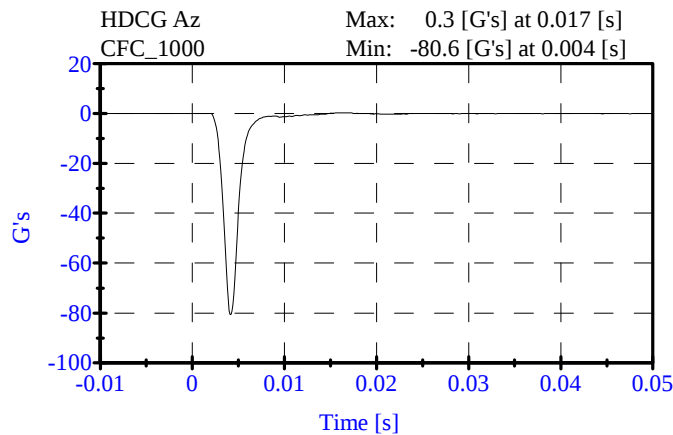
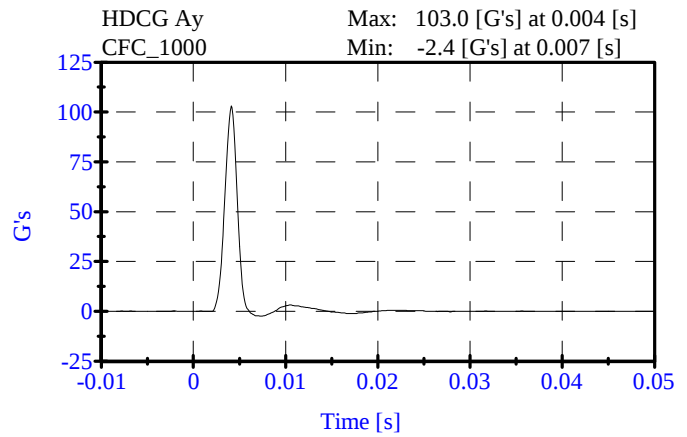
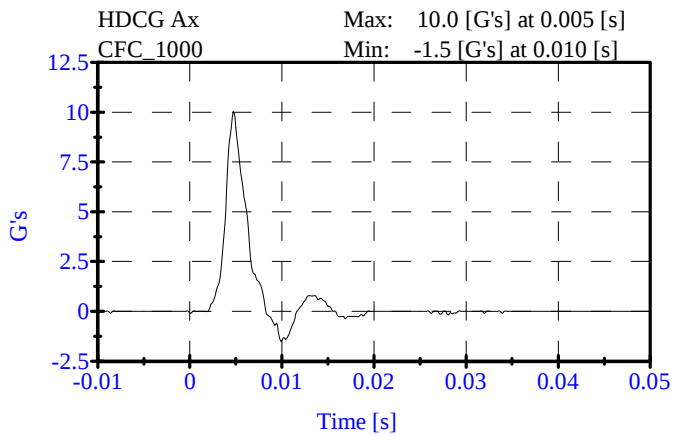
ATD Serial No: 269

Date: 10-27-06

Sequential Test Number: 1 File: 269HD 10-27-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.6 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Peak Resultant Accel.:	120-150 Gs	130.96 Gs	Passed
Peak Lateral Accel.:	15 Gs Max	10.03 Gs	Passed
Curve PerCent NonModal:	< 15%	2.87 %	Passed



Neck Test**Pre-Test****CONFIGURED FOR LEFT SIDE IMPACT**

ATD Serial No: 269

Date: 10-30-06

Sequential Test Number: 1 File: 269N 10-30-06

Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	20.6-22.2 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Impact Velocity:	6.89- 7.13 m/s	6.99 m/s	Passed
PENDULUM DELTA V			
Delta V at 10 ms:	1.96- 2.55 m/s	2.28 m/s	Passed
Delta V at 20 ms:	4.12- 5.10 m/s	4.62 m/s	Passed
Delta V at 30 ms:	5.73- 7.01 m/s	6.56 m/s	Passed
Delta V between 40-70 ms:	6.27- 7.64 m/s	6.94 m/s	Passed
D PLANE ROTATION			
Maximum Rotation:	66.0-82.0 Deg	70.46 Deg	Passed
Rotation Angle Decay:	58.0-67.0 ms	61.60 ms	Passed
MOMENT ABOUT THE OCCIPITAL CONDYLE			
Max Occipital Moment:	73.00- 88.00 N-m	82.34 N-m	Passed
Occipital Moment Decay:	49.0-64.0 ms	54.10 ms	Passed
HEAD ROTATION TIME WITH RESPECT TO THE OCCIPITAL CONDYLE MOMENT			
Moment to Rotation Peak:	2.0-16.0 ms	10.00 ms	Passed

Neck Test

Pre-Test

CONFIGURED FOR LEFT SIDE IMPACT

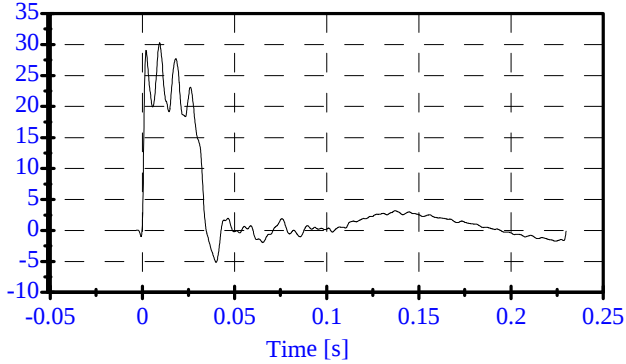
ATD Serial No: 269

Date: 10-30-06

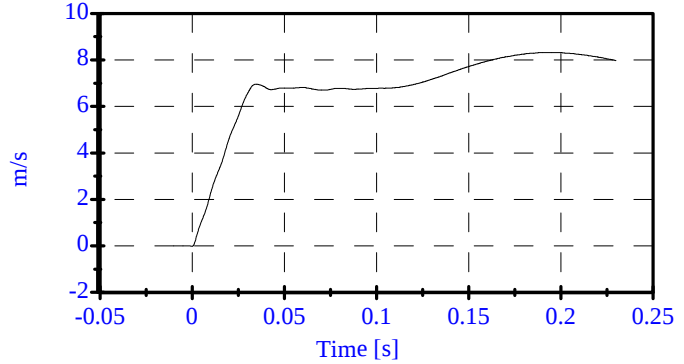
Sequential Test Number: 1 File: 269N 10-30-06

Laboratory Technician: B. Swiecicki

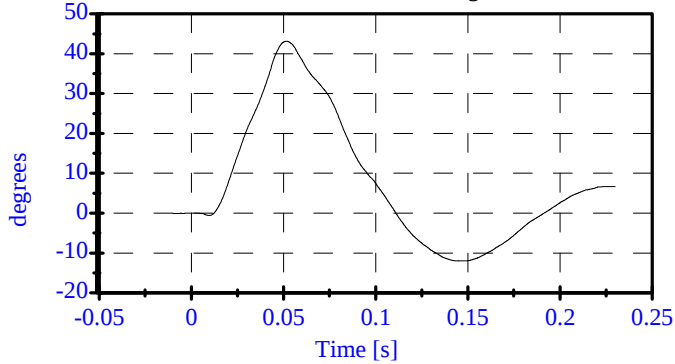
Pend Ax
CFC_180
Max: 30.3 [] at 0.009 [s]
Min: -5.1 [] at 0.040 [s]



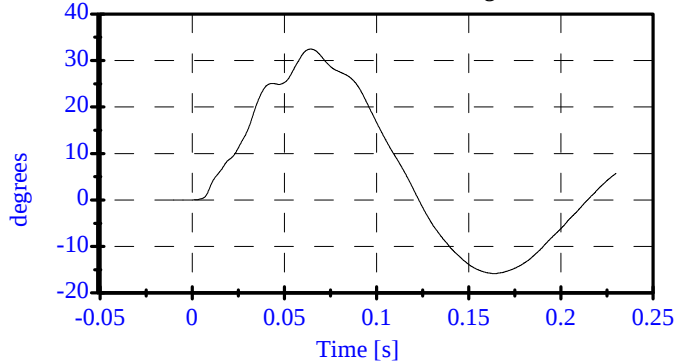
Pend Vx
CFC_180
Max: 8.3 [m/s] at 0.194 [s]
Min: -0.0 [m/s] at -0.000 [s]



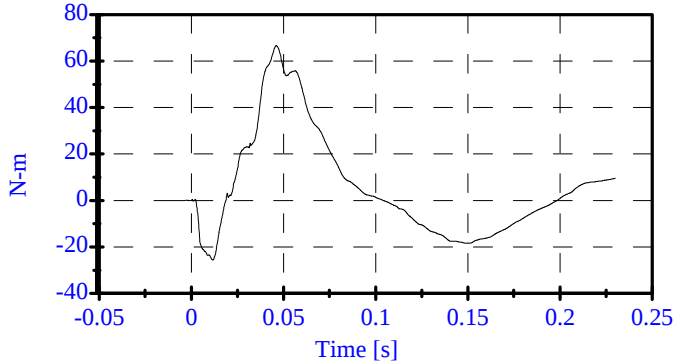
Head Rot
CFC_180
Max: 43.2 [degrees] at 0.052 [s]
Min: -12.0 [degrees] at 0.147 [s]



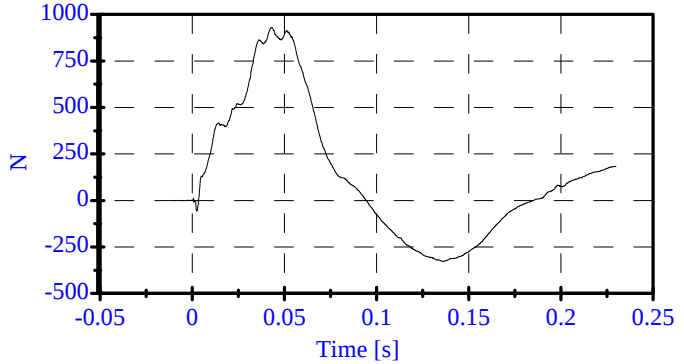
Arm Rot
CFC_180
Max: 32.5 [degrees] at 0.064 [s]
Min: -15.8 [degrees] at 0.164 [s]



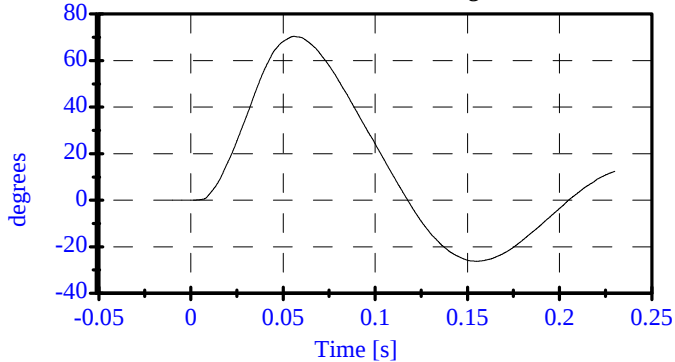
Neck Mx
CFC_600
Max: 66.6 [N-m] at 0.046 [s]
Min: -25.6 [N-m] at 0.012 [s]



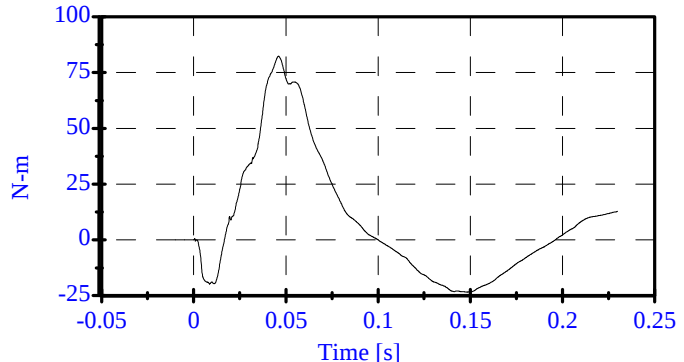
Neck Fy
CFC_1000
Max: 930.3 [N] at 0.043 [s]
Min: -328.0 [N] at 0.136 [s]



Tot Rot
CFC_180
Max: 70.5 [degrees] at 0.056 [s]
Min: -26.3 [degrees] at 0.155 [s]



MOCX
Max: 82.3 [N-m] at 0.046 [s]
Min: -23.4 [N-m] at 0.148 [s]



Abdomen Test

Pre-Test

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269

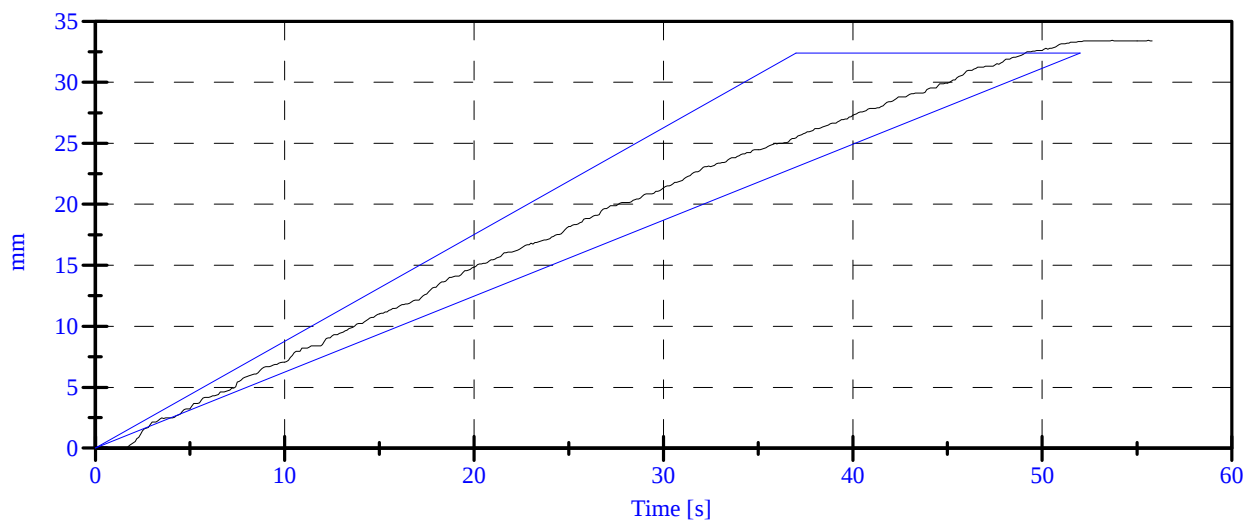
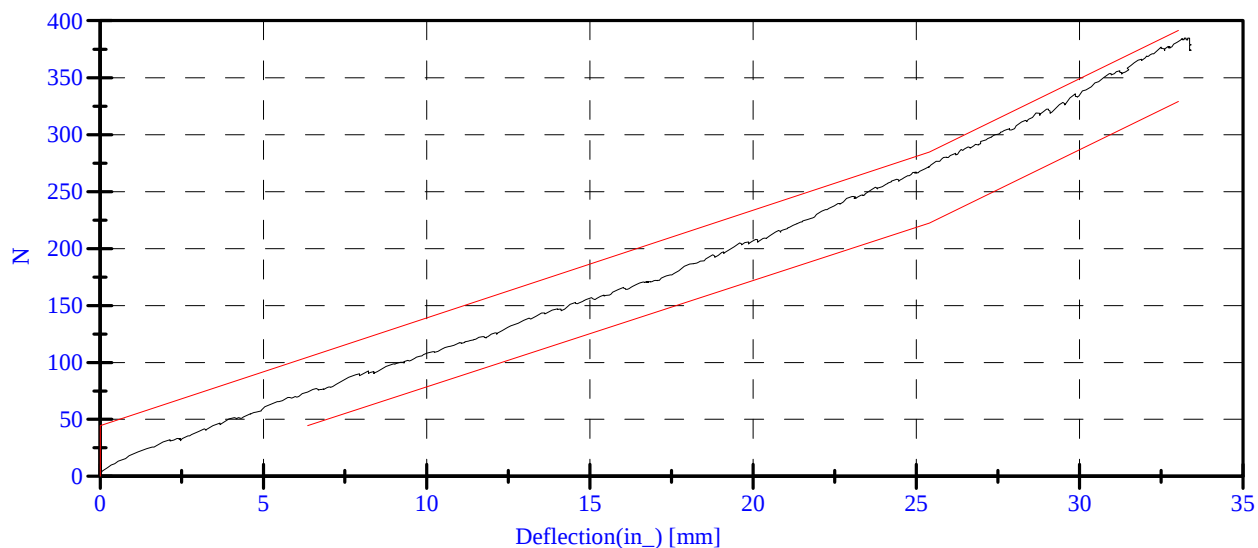
Date: 10-30-06

Sequential Test Number: 1 File: 269AB 10-30-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Force at 12.95 mm :	104.00-162.00 N	137.09 N	Passed
Force at 19.05 mm :	162.98-220.99 N	196.54 N	Passed
Force at 25.40 mm :	221.97-280.02 N	271.93 N	Passed
Force at 33.02 mm :	324.99-391.00 N	381.04 N	Passed

ABDOMINAL COMPRESSION TEST



Spine Test

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269

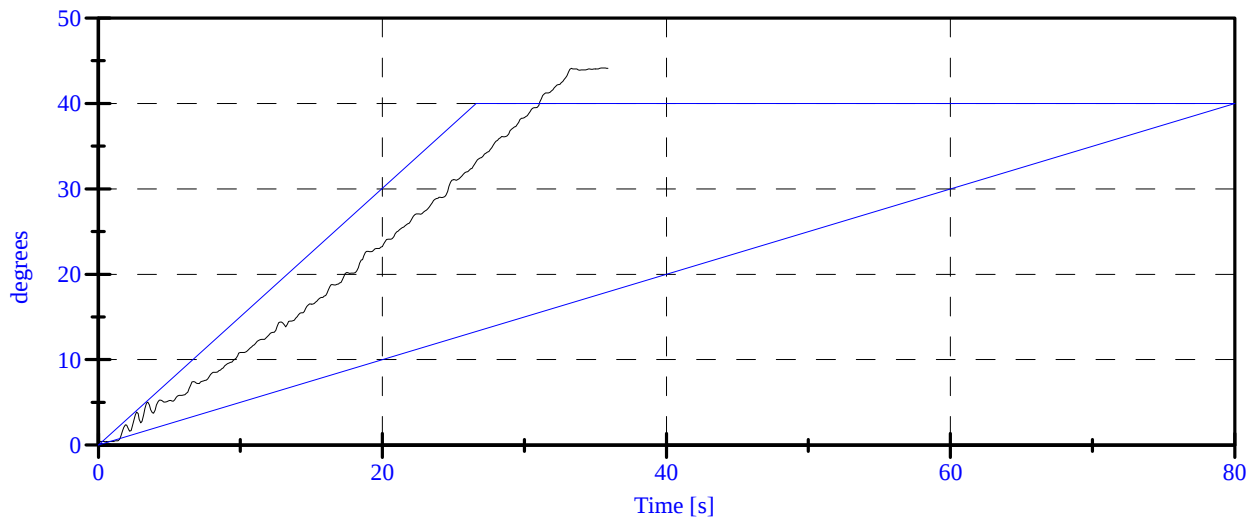
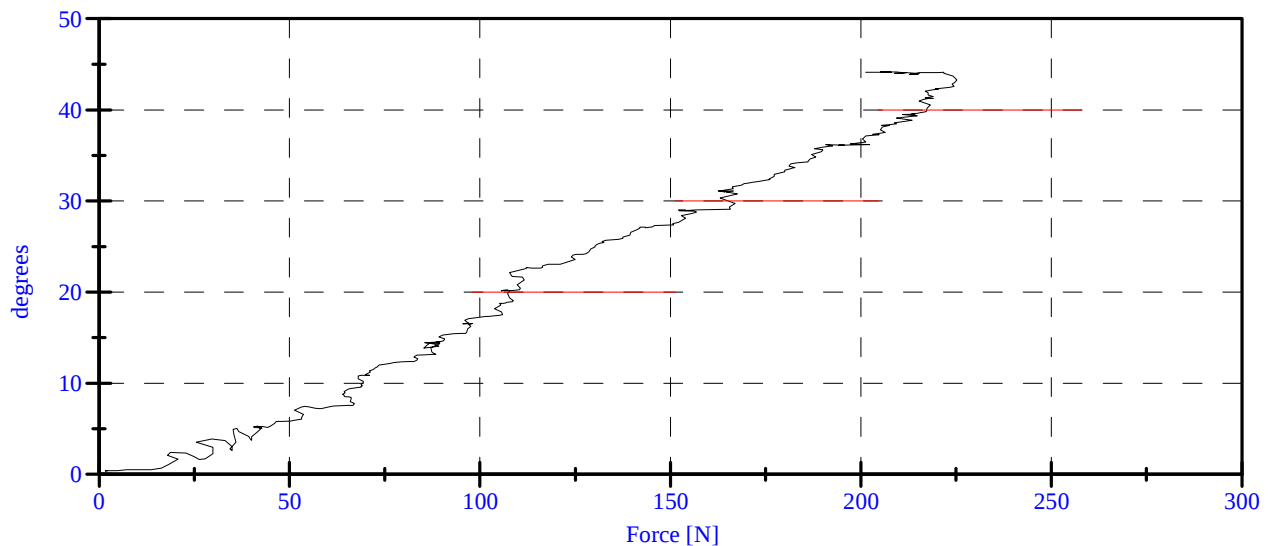
Date: 10-30-2006

Sequential Test Number: 1 File: 269SP 10-30-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Force at 0 Deg:	0.00-26.69 N	1.44 N	Passed
Force at 20 Deg:	97.86-151.24 N	107.73 N	Passed
Force at 30 Deg:	151.24-204.62 N	167.01 N	Passed
Force at 40 Deg:	204.62-258.00 N	217.15 N	Passed
Return Angle	12 Deg Max	4.00 deg	Passed

LUMBAR SPINE FLEXION TEST



PRE-TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 269 Sequential Test Number: 1
 Date: October 30, 2006 Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	OK
LOWER LEGS	VISUAL, RANGE OF MOTION	OK
ANKLES	VISUAL, RANGE OF MOTION	OK
FEET	VISUAL, RANGE OF MOTION	OK
JOINTS	1 TO 2 g RANGE	OK
OTHER	NONE	-

REMARKS: None

CALIBRATION TEST RESULTS

PRE-TEST

SID H3 NO.: 270

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 270	Sequential Test Number: 1.3
Date: October 30, 2006	Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
THORACIC SHOCK ABSORBER TEST	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
HEAD DROP TEST*	Passed all requirements.
LATERAL NECK BEND TEST*	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 270 Sequential Test Number: 1
Date: October 30, 2006 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	905
RH- Rib Height (mm)	502 - 520	512
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	236
KH- Knee Pivot from Back Line (mm)	511 - 526	513
KV- Knee Pivot to Floor (mm)	490 - 505	498
HW- Hip Width (mm)	356 - 391	358

REMARKS: None

SID Low Speed Shock Test S/N:270 (3.05 m/s)

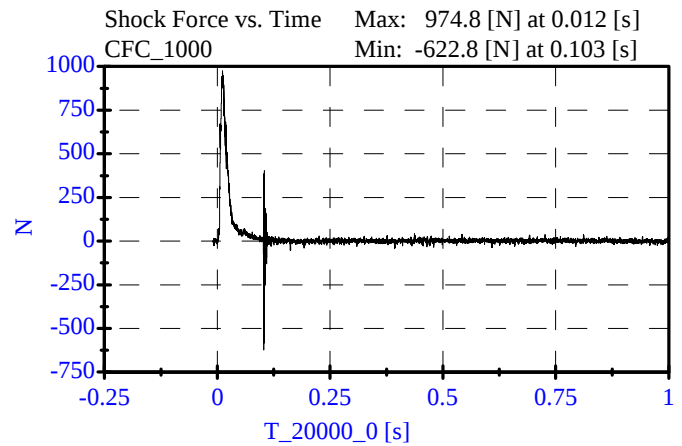
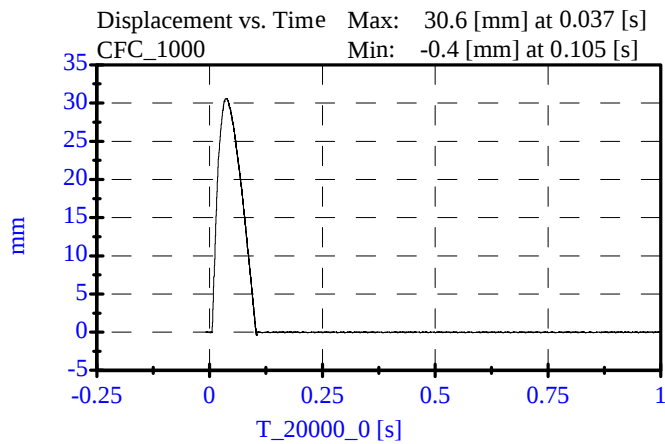
PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270
Date: September 15, 2006

Sequential Test Number: 1 File: 270SL
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	50.00 %	Passed
Displacement:	30.00-35.00 mm	30.58 mm	Passed
Maximum Force:	836.00-1125.00 N	974.82 N	Passed
Impact Test Velocity:	3.05 m/s		
Damper Identification:	270		
Damper Setting:	5		



SID Medium Speed Shock Test S/N:270 (4.27 m/s)

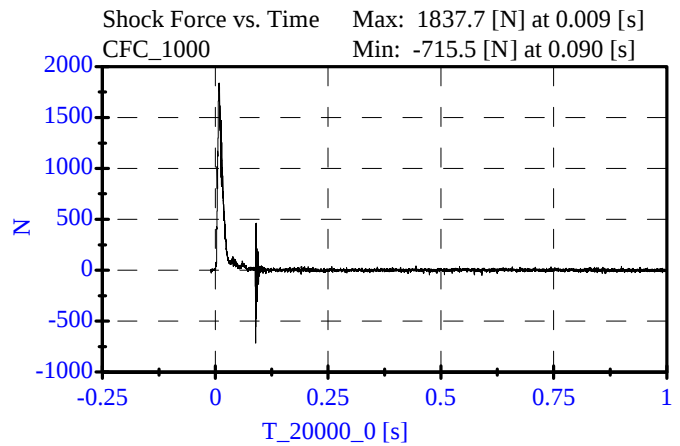
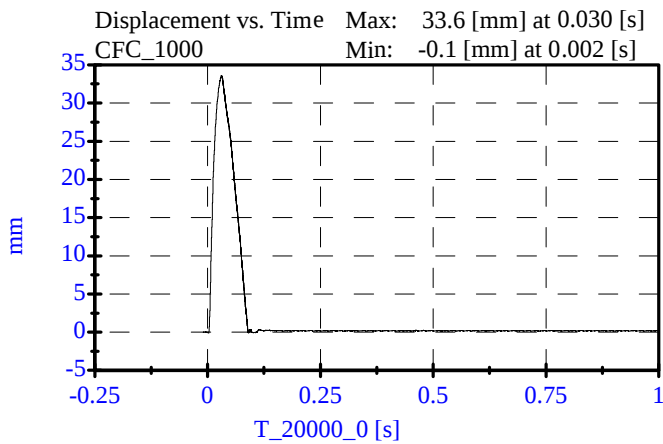
PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270
Date: September 15, 2006

Sequential Test Number: 1 File: 270SL
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	50.00 %	Passed
Displacement:	32.00-37.00 mm	33.58 mm	Passed
Maximum Force:	1730.00-2099.00 N	1837.72 N	Passed
Impact Test Velocity:	4.27 m/s		
Damper Identification:	270		
Damper Setting:	5		



SID High Speed Shock Test S/N:270 (6.10 m/s)

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

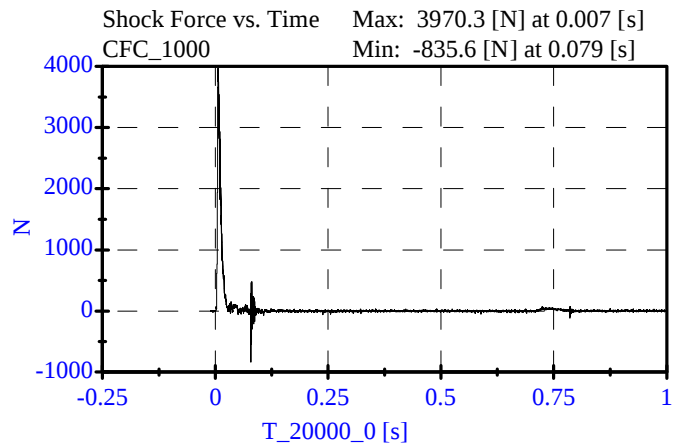
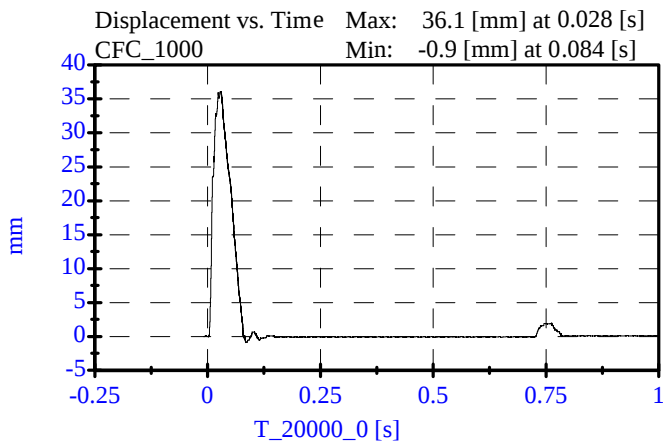
ATD Serial No: 270

Date: September 15, 2006

Sequential Test Number: 1 File: 270SL

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	50.00 %	Passed
Displacement:	33.00-40.00 mm	36.08 mm	Passed
Maximum Force:	3741.00-4448.00 N	3970.32 N	Passed
Impact Test Velocity:	6.10 m/s		
Damper Identification:	270		
Damper Setting:	5		

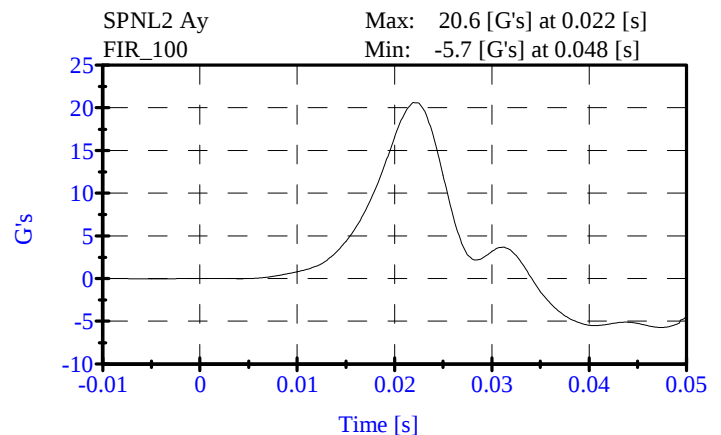
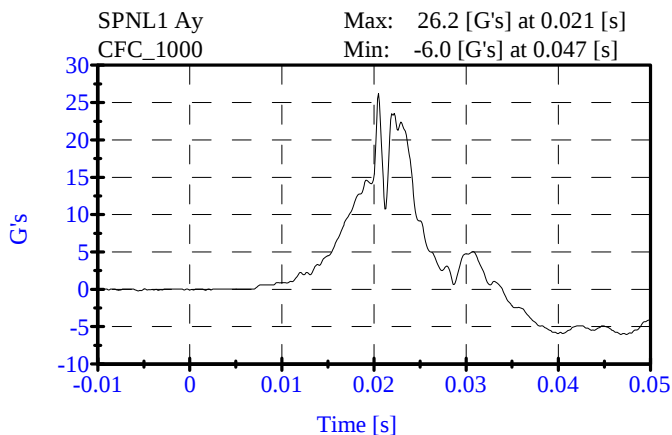
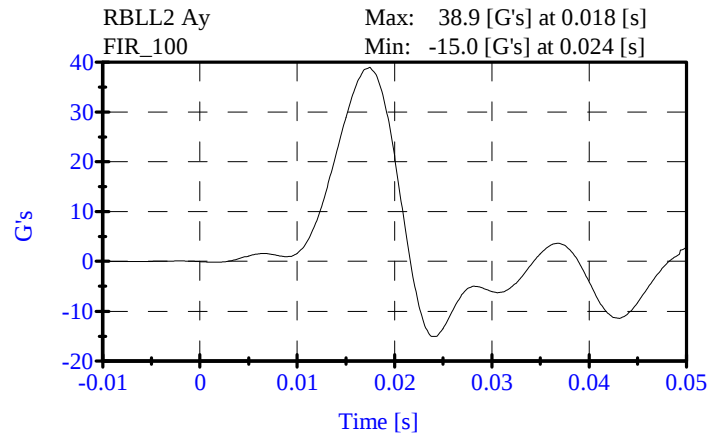
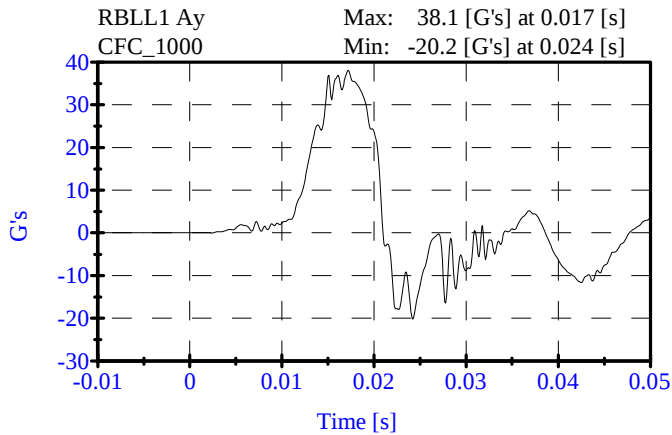
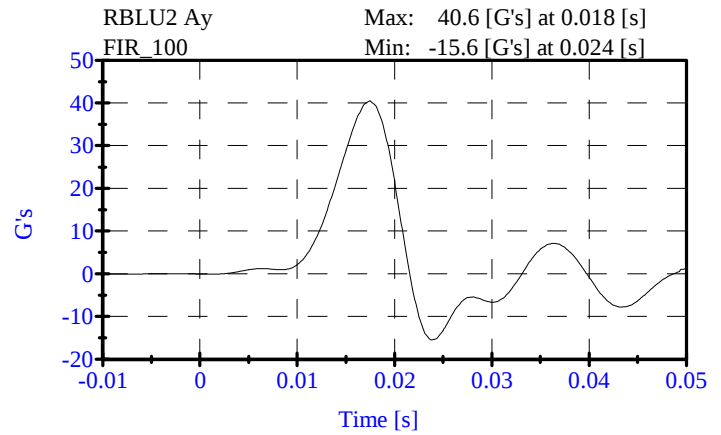
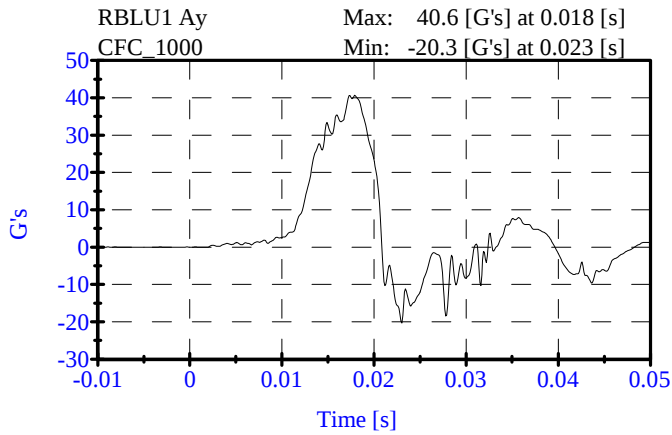


Thorax Impact
Pre-Test
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270
Date: 10-27-06

Sequential Test Number: 1 File: 270T 10-27-06
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.31 m/s	Passed
Upper Rib Acceleration:	37.00-46.00 G's	40.57 G's	Passed
Lower Rib Acceleration:	37.00-46.00 G's	38.94 G's	Passed
Lower Spine Acceleration:	15.00-22.00 G's	20.60 G's	Passed

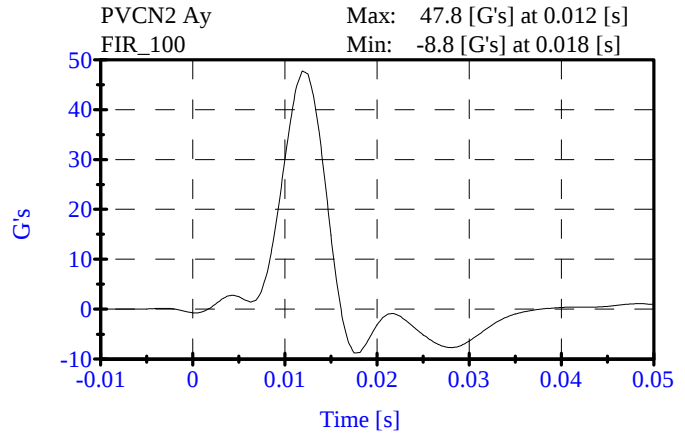
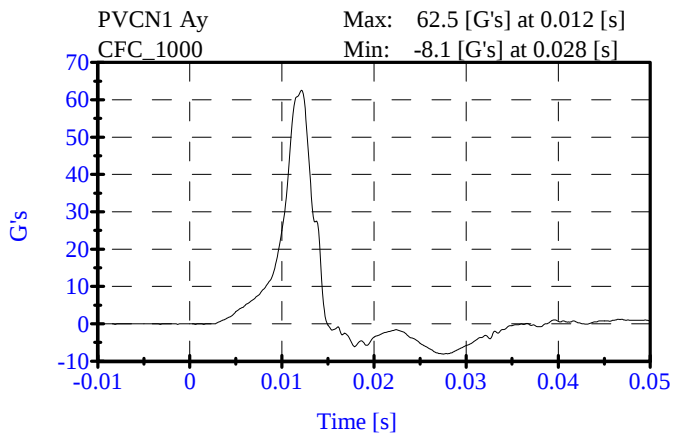


Pelvic Impact
PRE TEST
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270
Date: 10-27-06

Sequential Test Number: 1 File: 270P 10-27-06
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.29 m/s	Passed
Pelvis Y Acceleration:	40.00-60.00 G's	47.76 G's	Passed
Time Above 20 Gs	3.0-7.0 ms	5.4 ms	Passed



Head Drop

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

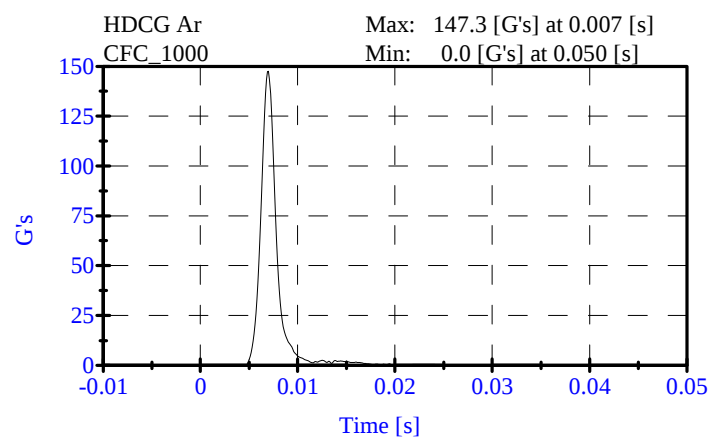
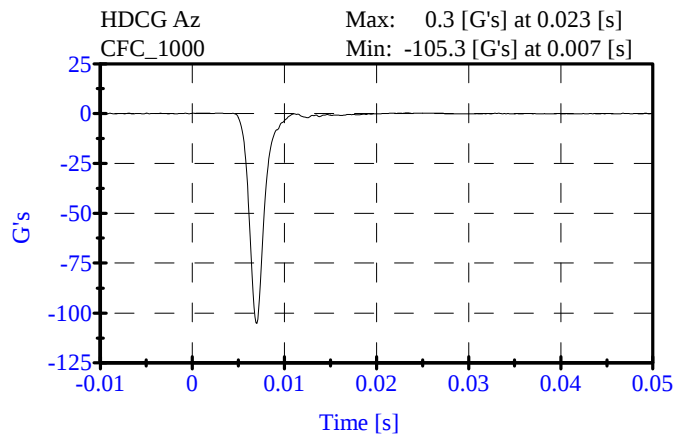
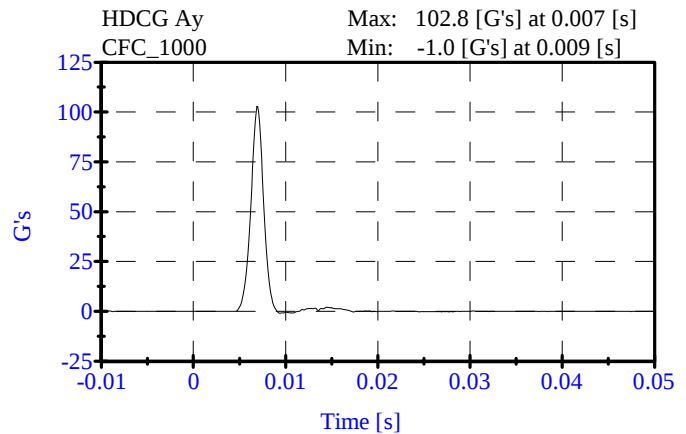
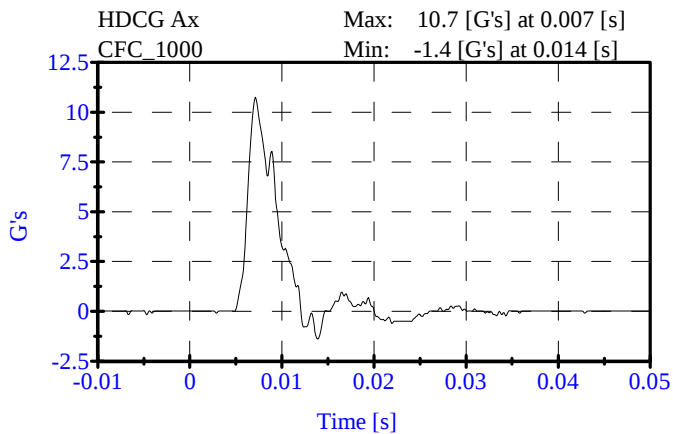
ATD Serial No: 270

Date: 10-27-06

Sequential Test Number: 1 File: 270HD 10-27-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.6 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Peak Resultant Accel.:	120-150 Gs	147.31 Gs	Passed
Peak Lateral Accel.:	15 Gs Max	10.74 Gs	Passed
Curve PerCent NonModal:	< 15%	1.74 %	Passed



Neck Test**Pre-Test****CONFIGURED FOR LEFT SIDE IMPACT**

ATD Serial No: 270

Date: 10-30-06

Sequential Test Number: 1 File: 270N 10-30-06

Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	20.6-22.2 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Impact Velocity:	6.89- 7.13 m/s	7.01 m/s	Passed
PENDULUM DELTA V			
Delta V at 10 ms:	1.96- 2.55 m/s	2.26 m/s	Passed
Delta V at 20 ms:	4.12- 5.10 m/s	4.62 m/s	Passed
Delta V at 30 ms:	5.73- 7.01 m/s	6.61 m/s	Passed
Delta V between 40-70 ms:	6.27- 7.64 m/s	7.17 m/s	Passed
D PLANE ROTATION			
Maximum Rotation:	66.0-82.0 Deg	69.51 Deg	Passed
Rotation Angle Decay:	58.0-67.0 ms	60.60 ms	Passed
MOMENT ABOUT THE OCCIPITAL CONDYLE			
Max Occipital Moment:	73.00- 88.00 N-m	84.38 N-m	Passed
Occipital Moment Decay:	49.0-64.0 ms	53.00 ms	Passed
HEAD ROTATION TIME WITH RESPECT TO THE OCCIPITAL CONDYLE MOMENT			
Moment to Rotation Peak:	2.0-16.0 ms	9.20 ms	Passed

Neck Test

Pre-Test

CONFIGURED FOR LEFT SIDE IMPACT

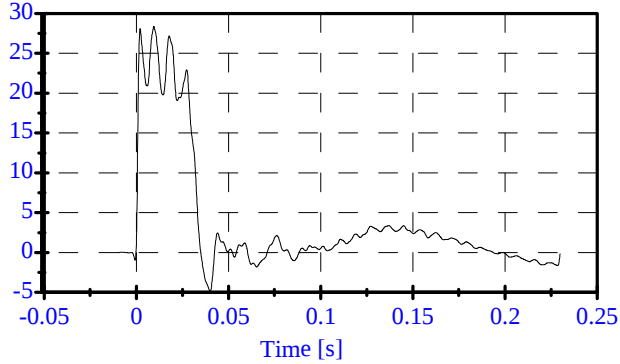
ATD Serial No: 270

Date: 10-30-06

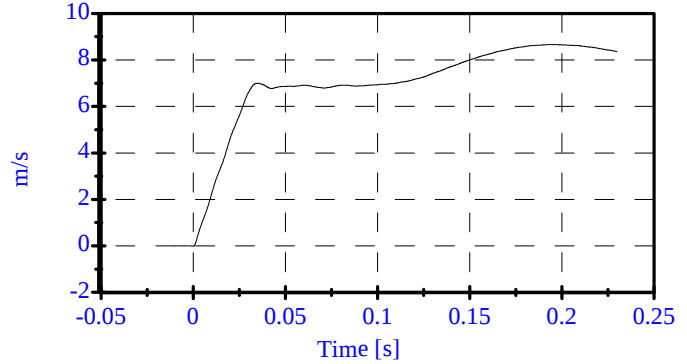
Sequential Test Number: 1 File: 270N 10-30-06

Laboratory Technician: B. Swiecicki

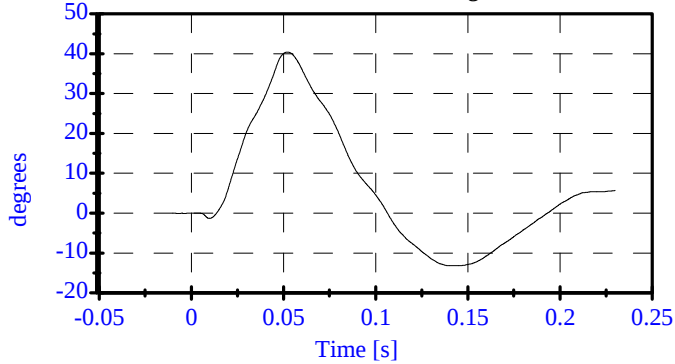
Pend Ax
CFC_180
Max: 28.4 [] at 0.009 [s]
Min: -4.8 [] at 0.040 [s]



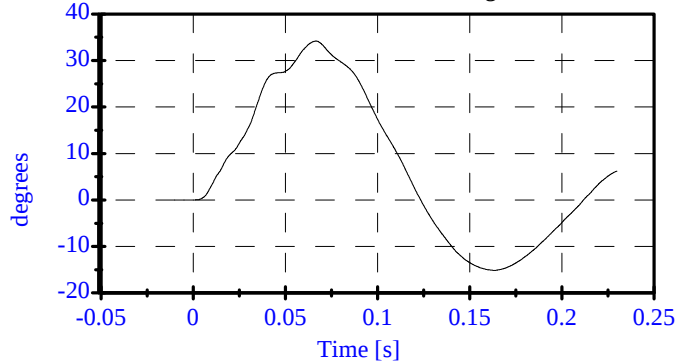
Pend Vx
CFC_180
Max: 8.7 [m/s] at 0.194 [s]
Min: -0.0 [m/s] at -0.000 [s]



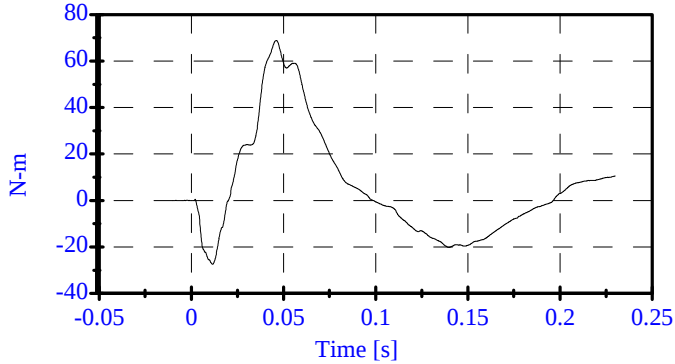
Head Rot
CFC_180
Max: 40.4 [degrees] at 0.052 [s]
Min: -13.2 [degrees] at 0.141 [s]



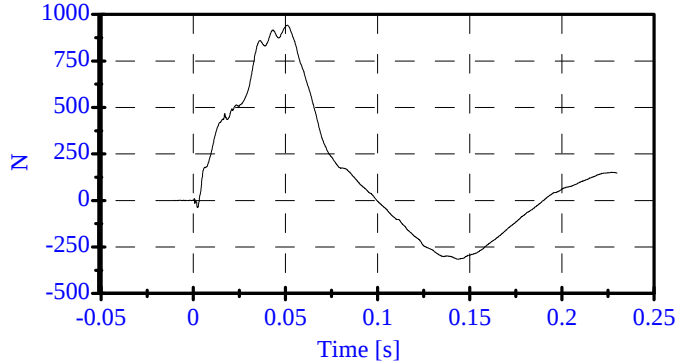
Arm Rot
CFC_180
Max: 34.2 [degrees] at 0.067 [s]
Min: -15.1 [degrees] at 0.163 [s]



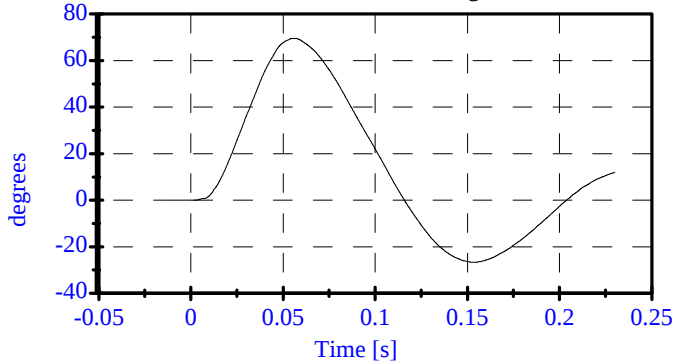
Neck Mx
CFC_600
Max: 68.8 [N-m] at 0.046 [s]
Min: -27.4 [N-m] at 0.012 [s]



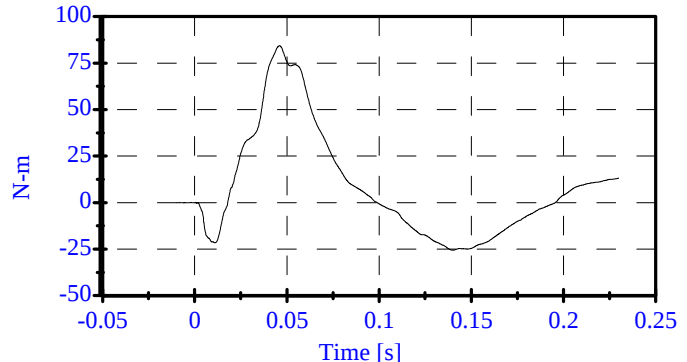
Neck Fy
CFC_1000
Max: 941.3 [N] at 0.051 [s]
Min: -316.4 [N] at 0.144 [s]



Tot Rot
CFC_180
Max: 69.5 [degrees] at 0.055 [s]
Min: -26.6 [degrees] at 0.153 [s]



MOCX
Max: 84.4 [N-m] at 0.046 [s]
Min: -25.6 [N-m] at 0.140 [s]



Abdomen Test

Pre-Test

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270

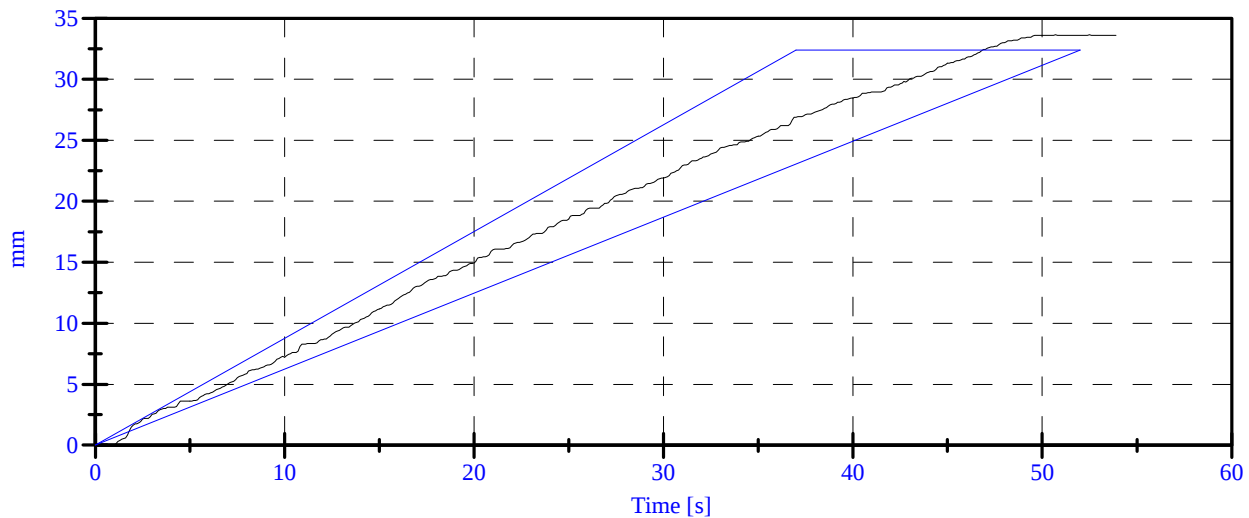
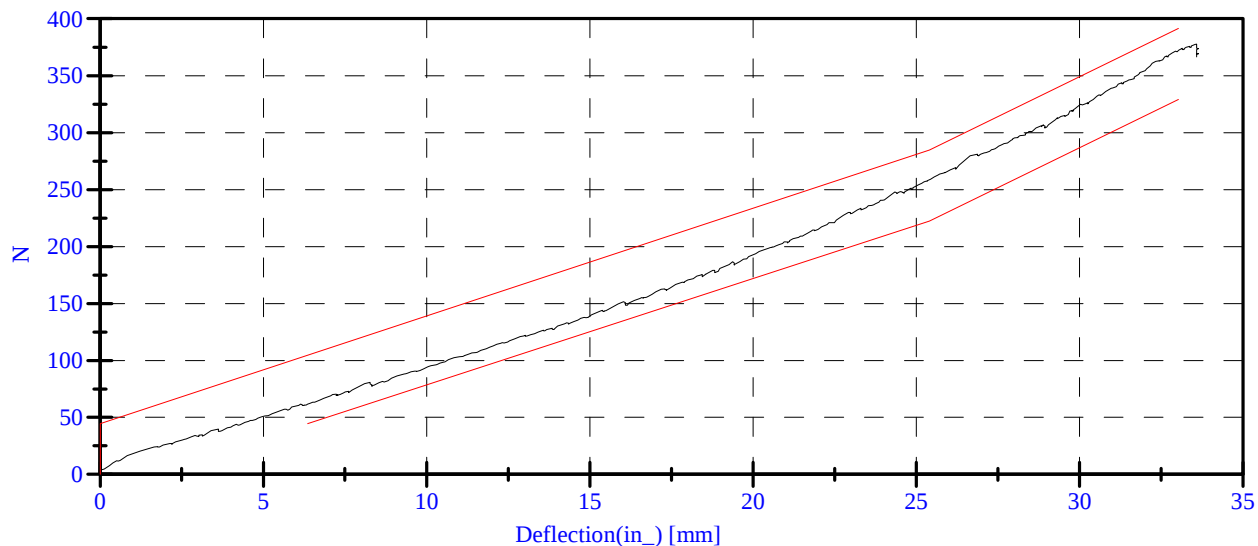
Date: 10-30-06

Sequential Test Number: 1 File: 270AB 10-30-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Force at 12.95 mm :	104.00-162.00 N	121.50 N	Passed
Force at 19.05 mm :	162.98-220.99 N	180.95 N	Passed
Force at 25.40 mm :	221.97-280.02 N	259.25 N	Passed
Force at 33.02 mm :	324.99-391.00 N	372.34 N	Passed

ABDOMINAL COMPRESSION TEST



Spine Test

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270

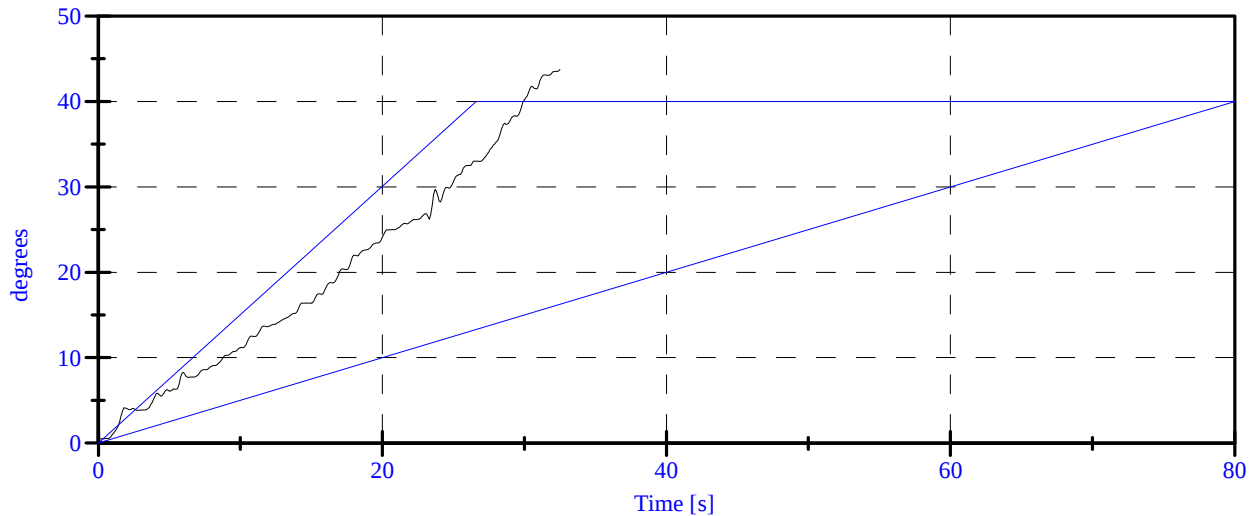
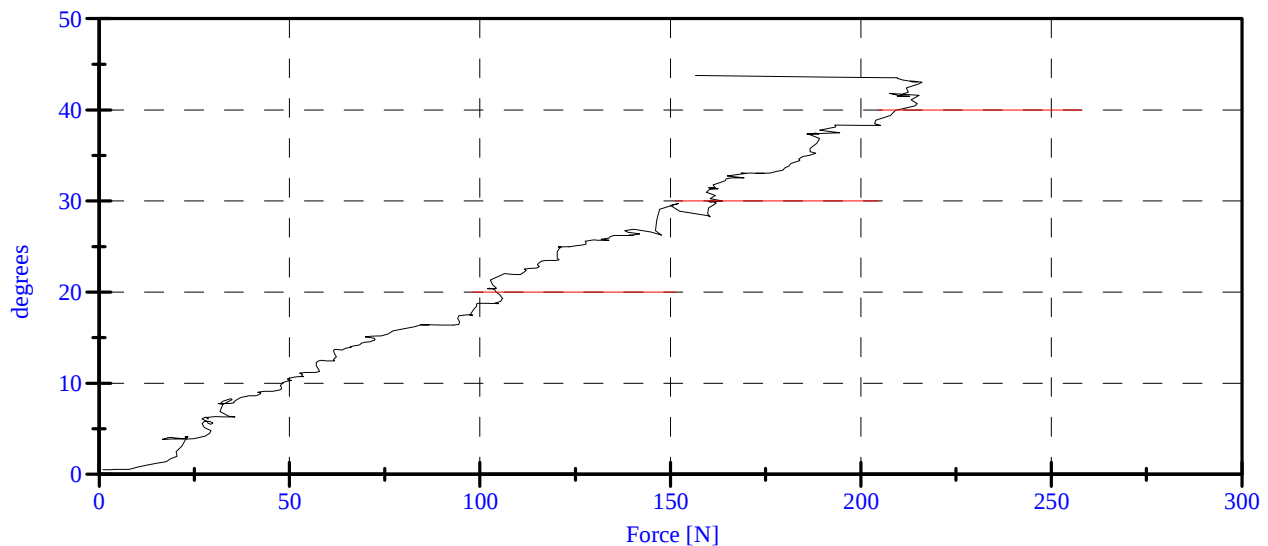
Date: 10-30-2006

Sequential Test Number: 1 File: 270SP 10-30-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Force at 0 Deg:	0.00-26.69 N	0.92 N	Passed
Force at 20 Deg:	97.86-151.24 N	104.07 N	Passed
Force at 30 Deg:	151.24-204.62 N	161.27 N	Passed
Force at 40 Deg:	204.62-258.00 N	209.06 N	Passed
Return Angle	12 Deg Max	5.42 deg	Passed

LUMBAR SPINE FLEXION TEST



PRE-TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 270 Sequential Test Number: 1
 Date: October 30, 2006 Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	OK
LOWER LEGS	VISUAL, RANGE OF MOTION	OK
ANKLES	VISUAL, RANGE OF MOTION	OK
FEET	VISUAL, RANGE OF MOTION	OK
JOINTS	1 TO 2 g RANGE	OK
OTHER	NONE	-

REMARKS: None

CALIBRATION TEST RESULTS

POST TEST

SID H3 NO.: 269

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 269 Sequential Test Number: 1
Date: November 20, 2006 Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
HEAD DROP TEST*	Passed all requirements.
LATERAL NECK BEND TEST*	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 269	Sequential Test Number: 1
Date: November 20, 2006	Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	899
RH- Rib Height (mm)	502 - 520	506
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	234
KH- Knee Pivot from Back Line (mm)	511 - 526	516
KV- Knee Pivot to Floor (mm)	490 - 505	495
HW- Hip Width (mm)	356 - 391	381

REMARKS: None

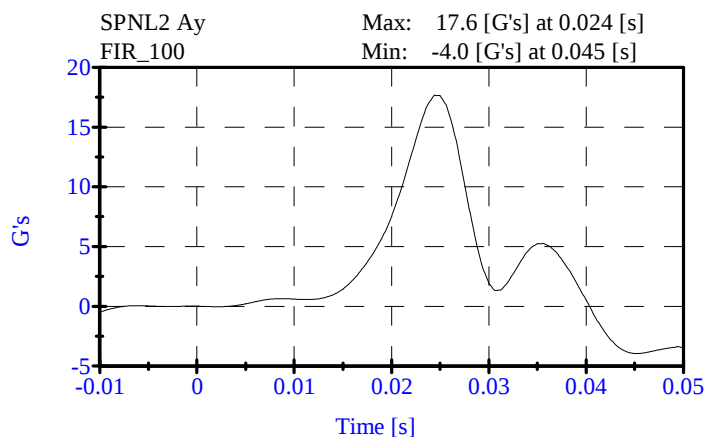
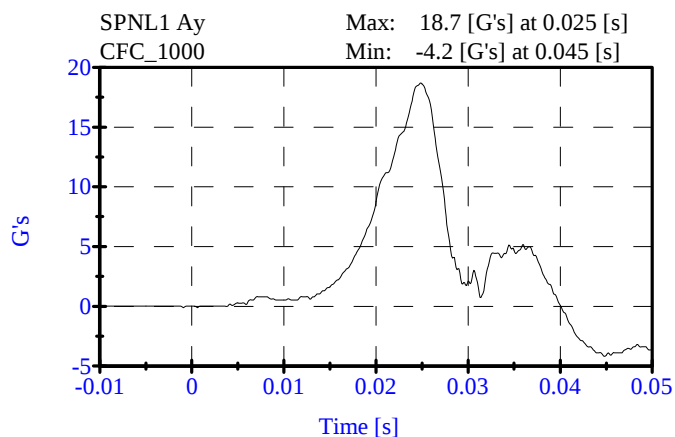
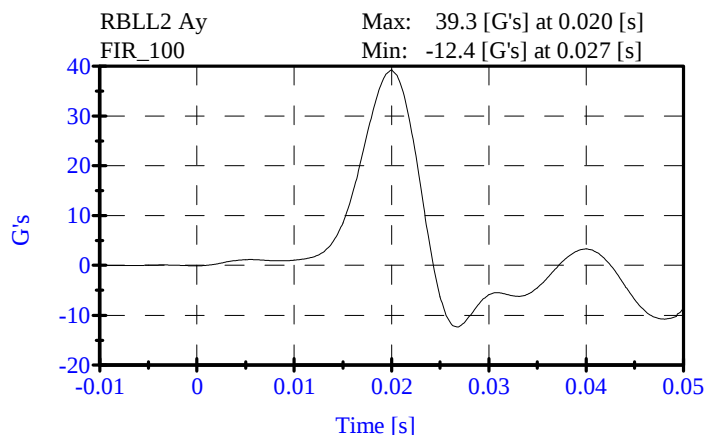
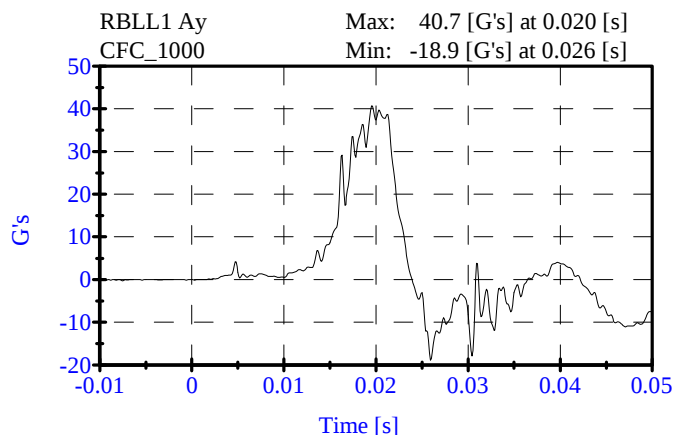
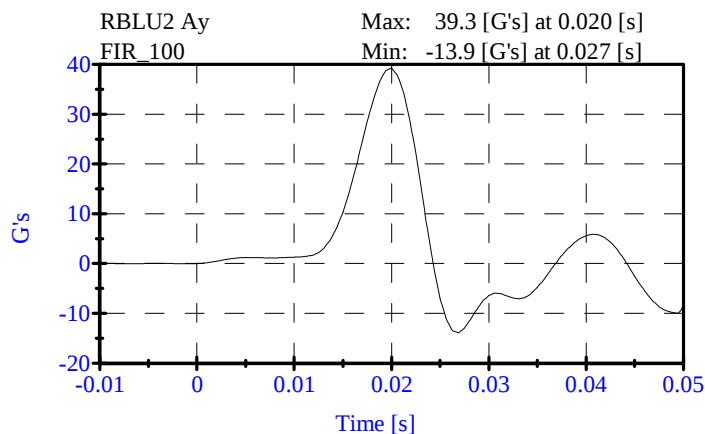
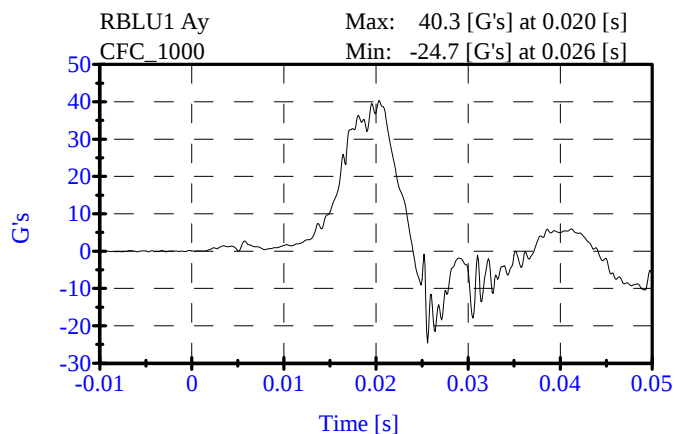
Thorax Impact **Pre-Test**

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269
Date: 11-16-06

Sequential Test Number: 1 File: 269T 11-16-06
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	40.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.28 m/s	Passed
Upper Rib Acceleration:	37.00-46.00 G's	39.26 G's	Passed
Lower Rib Acceleration:	37.00-46.00 G's	39.29 G's	Passed
Lower Spine Acceleration:	15.00-22.00 G's	17.65 G's	Passed



Pelvic Impact

POST TEST

CONFIGURED FOR LEFT SIDE IMPACT

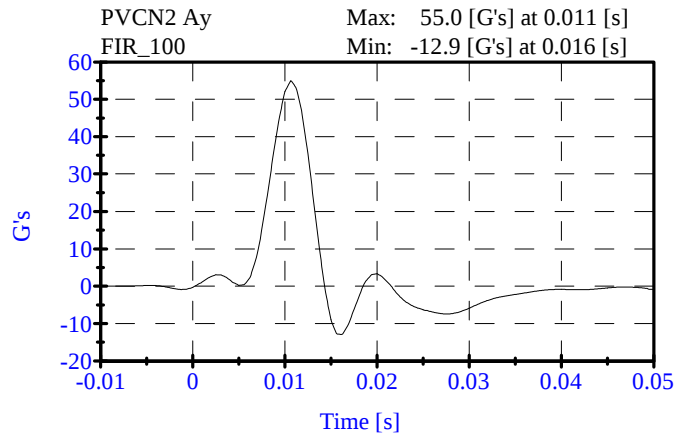
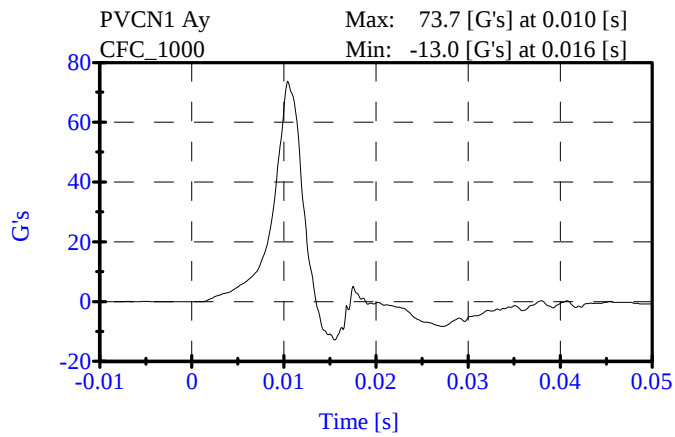
ATD Serial No: 269

Date: 11-16-06

Sequential Test Number: 1 File: 269P 11-16-06

Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	40.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.27 m/s	Passed
Pelvis Y Acceleration:	40.00-60.00 G's	54.96 G's	Passed
Time Above 20 Gs	3.0-7.0 ms	5.4 ms	Passed



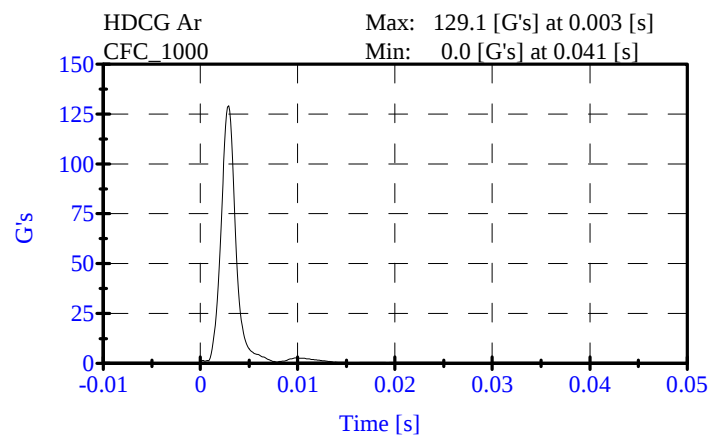
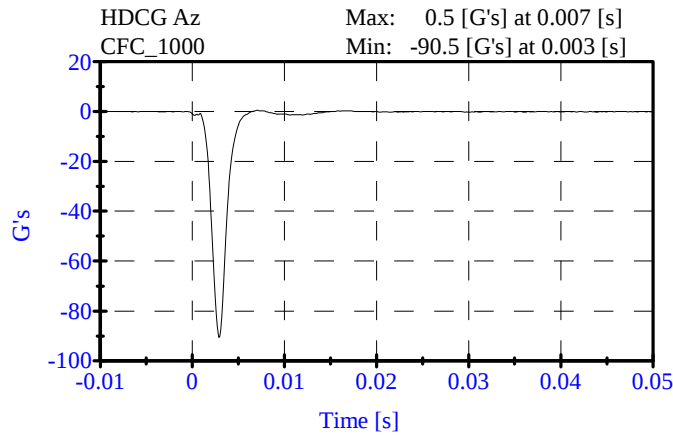
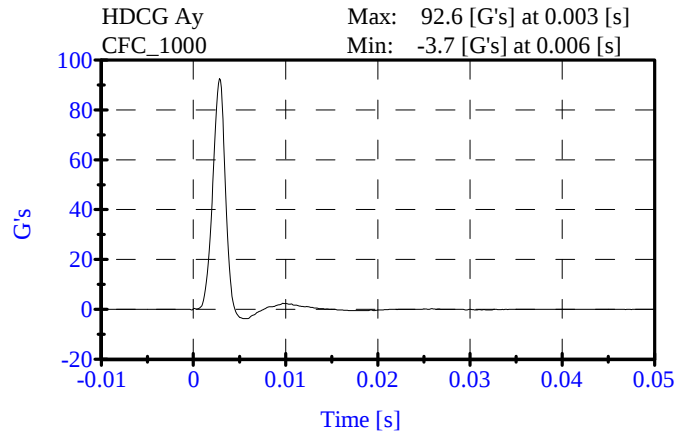
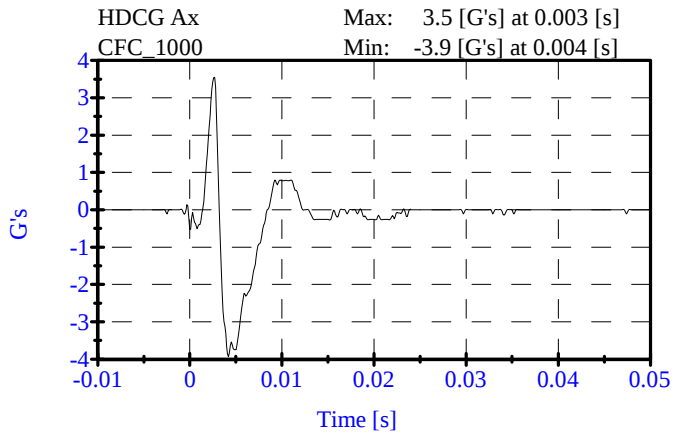
Head Drop POST TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269
Date: 11-14-06

Sequential Test Number: 1 File: 269HD 11-14-06
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.6 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Peak Resultant Accel.:	120-150 Gs	129.13 Gs	Passed
Peak Lateral Accel.:	15 Gs Max	3.54 Gs	Passed
Curve PerCent NonModal:	< 15%	2.16 %	Passed



**Neck Test
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269
Date: 11-15-06

Sequential Test Number: 1 File: 269N 11-15-06
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	20.6-22.2 C	21.1 C	Passed
Lab Humidity:	10-70 %	38.00 %	Passed
Impact Velocity:	6.89- 7.13 m/s	7.00 m/s	Passed
PENDULUM DELTA V			
Delta V at 10 ms:	1.96- 2.55 m/s	2.19 m/s	Passed
Delta V at 20 ms:	4.12- 5.10 m/s	4.56 m/s	Passed
Delta V at 30 ms:	5.73- 7.01 m/s	6.55 m/s	Passed
Delta V between 40-70 ms:	6.27- 7.64 m/s	7.05 m/s	Passed
D PLANE ROTATION			
Maximum Rotation:	66.0-82.0 Deg	70.81 Deg	Passed
Rotation Angle Decay:	58.0-67.0 ms	61.80 ms	Passed
MOMENT ABOUT THE OCCIPITAL CONDYLE			
Max Occipital Moment:	73.00- 88.00 N-m	82.20 N-m	Passed
Occipital Moment Decay:	49.0-64.0 ms	56.50 ms	Passed
HEAD ROTATION TIME WITH RESPECT TO THE OCCIPITAL CONDYLE MOMENT			
Moment to Rotation Peak:	2.0-16.0 ms	10.40 ms	Passed

Neck Test
POST TEST

CONFIGURED FOR LEFT SIDE IMPACT

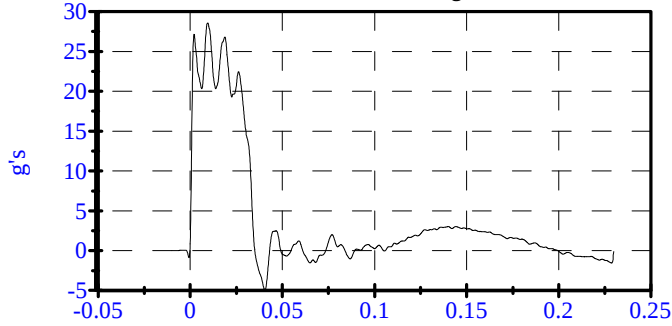
ATD Serial No: 269

Date: 11-15-06

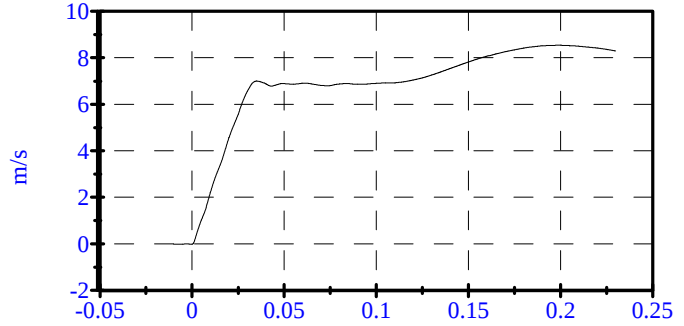
Sequential Test Number: 1 File: 269N 11-15-06

Laboratory Technician: B. Swiecicki

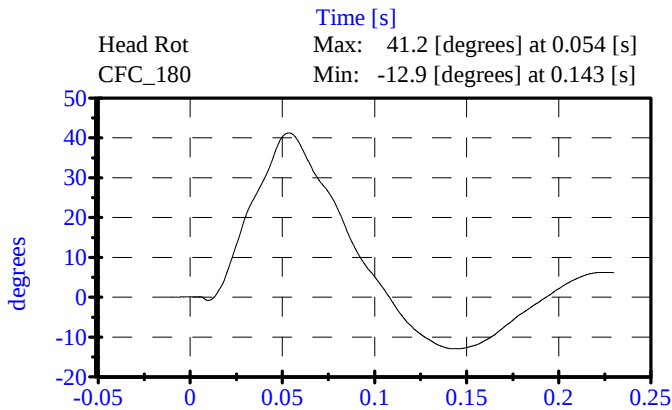
Pend Ax
CFC_180
Max: 28.6 [g's] at 0.010 [s]
Min: -5.0 [g's] at 0.041 [s]



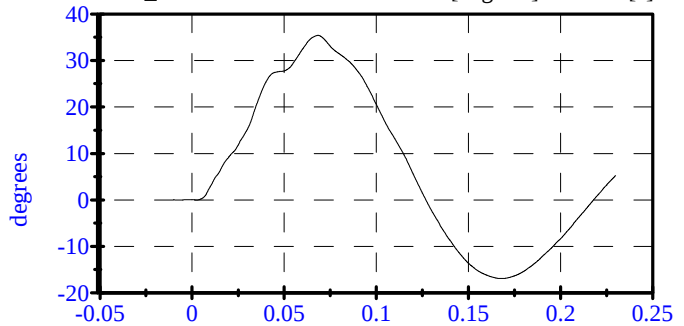
Pend Vx
CFC_180
Max: 8.5 [m/s] at 0.199 [s]
Min: -0.0 [m/s] at -0.000 [s]



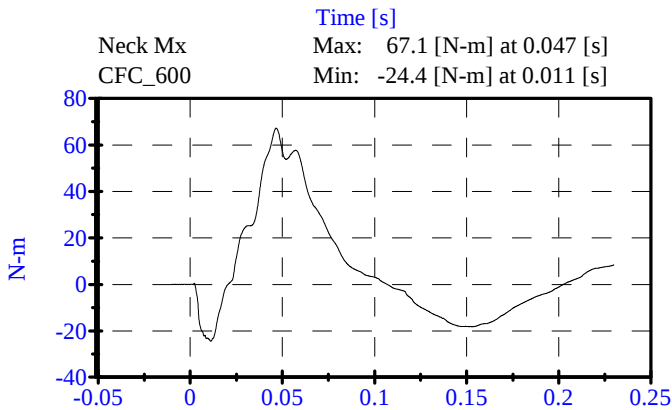
Head Rot
CFC_180
Max: 41.2 [degrees] at 0.054 [s]
Min: -12.9 [degrees] at 0.143 [s]



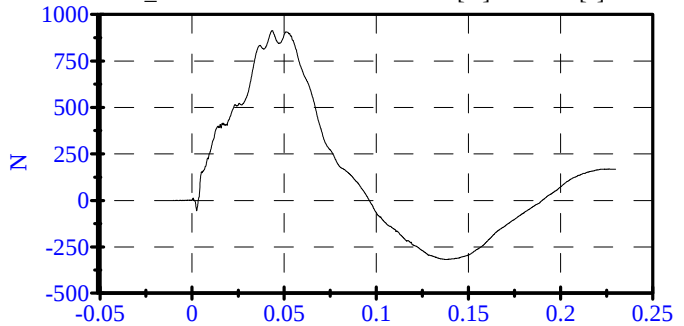
Arm Rot
CFC_180
Max: 35.4 [degrees] at 0.068 [s]
Min: -16.9 [degrees] at 0.168 [s]



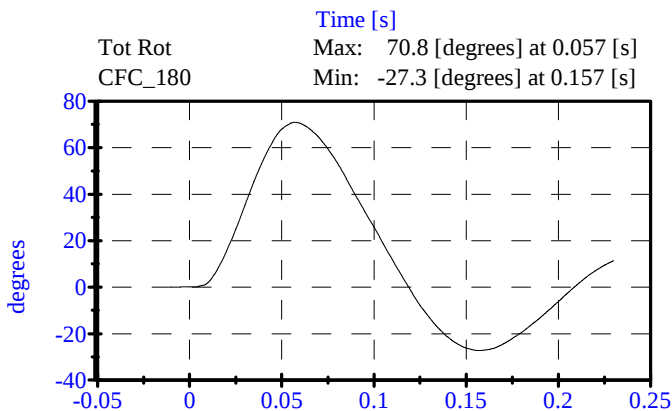
Neck Mx
CFC_600
Max: 67.1 [N-m] at 0.047 [s]
Min: -24.4 [N-m] at 0.011 [s]



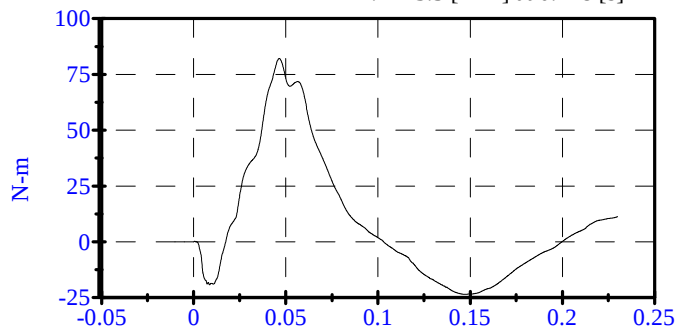
Neck Fy
CFC_1000
Max: 913.1 [N] at 0.043 [s]
Min: -319.5 [N] at 0.138 [s]



Tot Rot
CFC_180
Max: 70.8 [degrees] at 0.057 [s]
Min: -27.3 [degrees] at 0.157 [s]



Mocx
Max: 82.2 [N-m] at 0.047 [s]
Min: -23.5 [N-m] at 0.148 [s]



Abdomen Test

Post-Test

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269

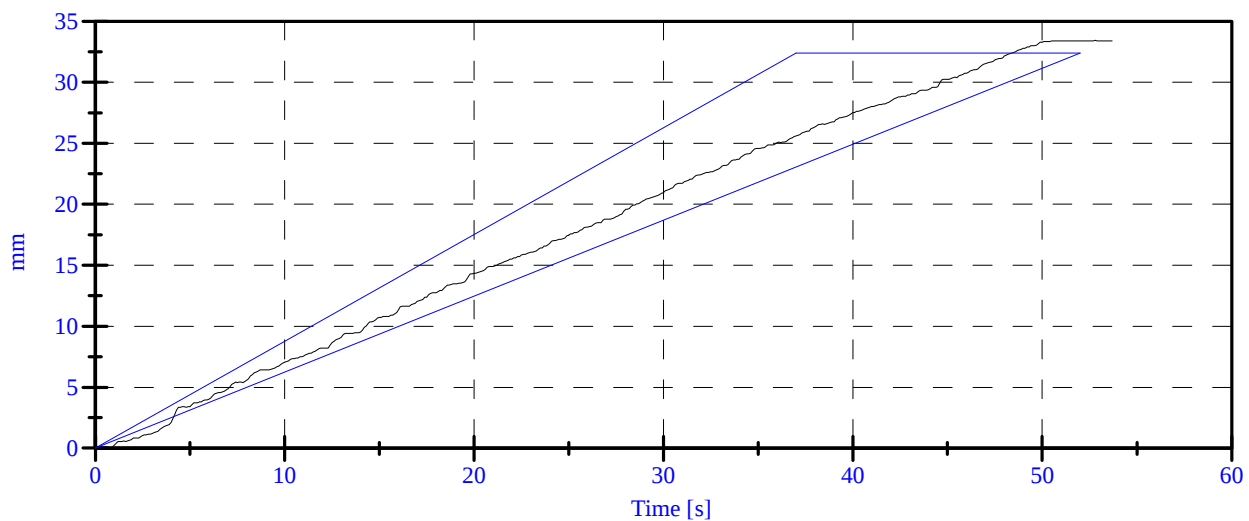
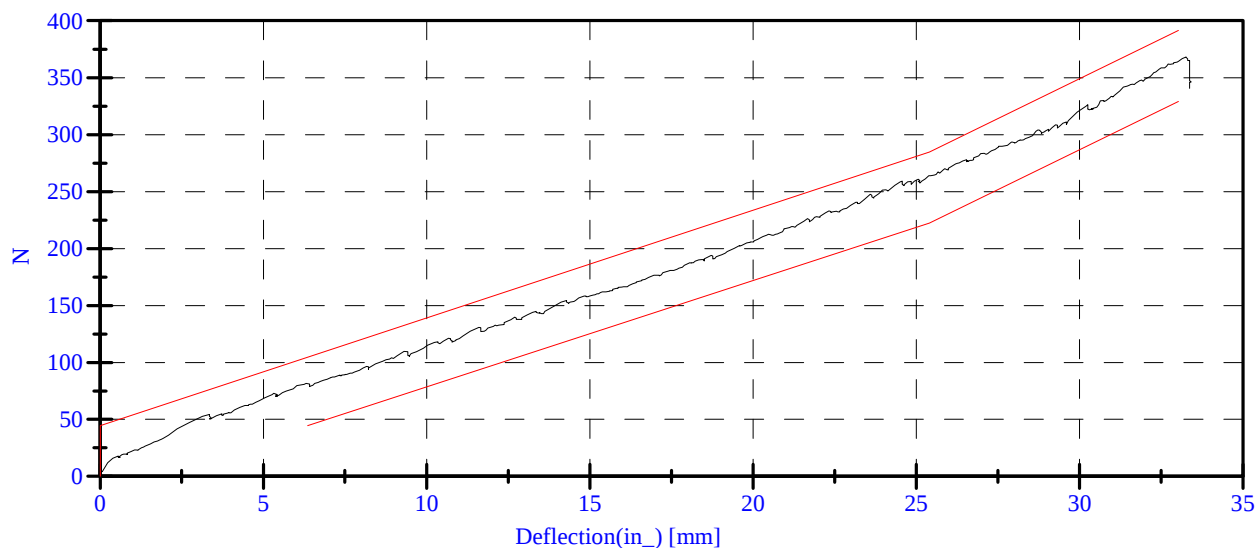
Date: 11-20-06

Sequential Test Number: 1 File: 269Ab 11-20-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Force at 12.95 mm :	104.00-162.00 N	137.82 N	Passed
Force at 19.05 mm :	162.98-220.99 N	194.73 N	Passed
Force at 25.40 mm :	221.97-280.02 N	263.96 N	Passed
Force at 33.02 mm :	324.99-391.00 N	364.73 N	Passed

ABDOMINAL COMPRESSION TEST



Lumbar Spine

POST TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 269

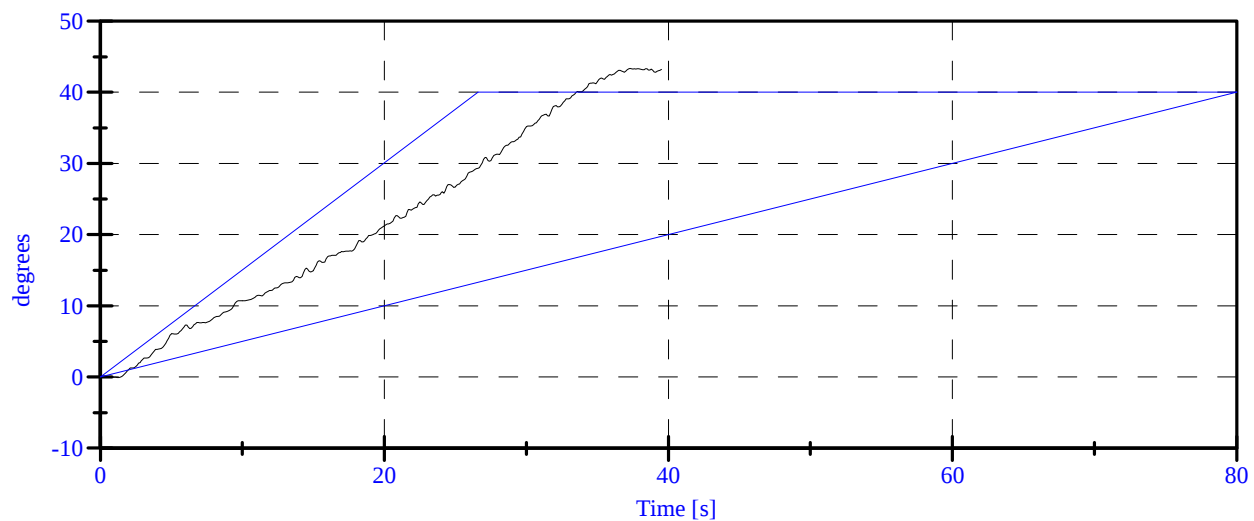
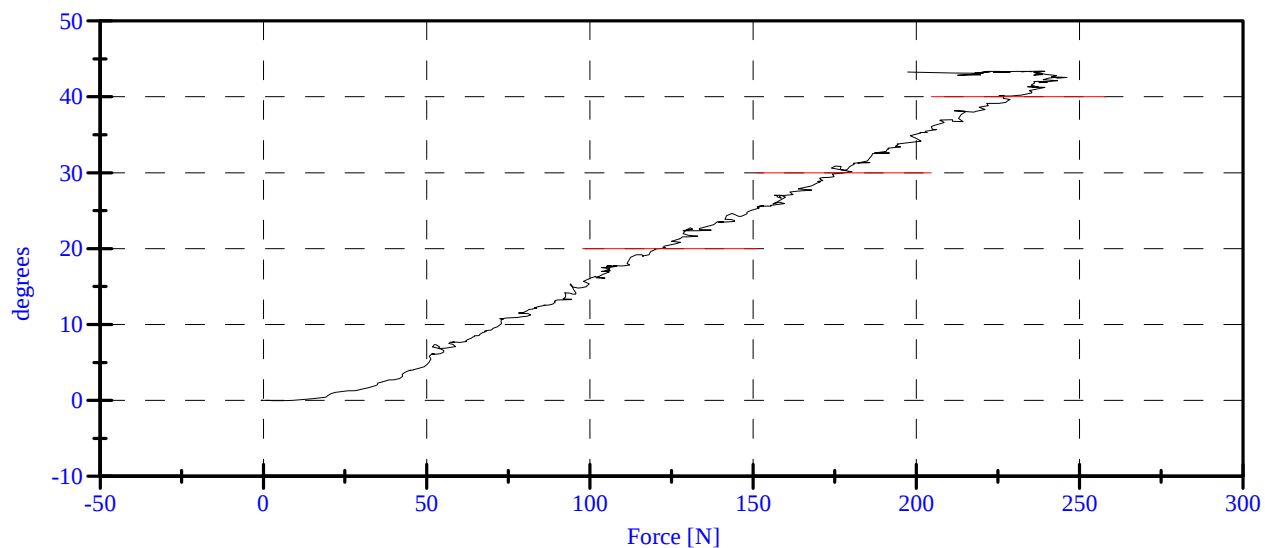
Date: 11-20-06

Sequential Test Number: 1 File: 269Sp 11-20-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Force at 0 Deg:	0.00-26.69 N	-0.65 N	Failed
Force at 20 Deg:	97.86-151.24 N	122.62 N	Passed
Force at 30 Deg:	151.24-204.62 N	180.33 N	Passed
Force at 40 Deg:	204.62-258.00 N	226.82 N	Passed
Return Angle	12 Deg Max	4.26 deg	Passed

LUMBAR SPINE FLEXION TEST



POST TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 269 Sequential Test Number: 1
 Date: November 20, 2006 Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	OK
LOWER LEGS	VISUAL, RANGE OF MOTION	OK
ANKLES	VISUAL, RANGE OF MOTION	OK
FEET	VISUAL, RANGE OF MOTION	OK
JOINTS	1 TO 2 g RANGE	OK
OTHER	NONE	-

REMARKS: None

CALIBRATION TEST RESULTS

POST TEST

SID H3 NO.: 270

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 270 Sequential Test Number: 1
Date: November 20, 2006 Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
HEAD DROP TEST*	Passed all requirements.
LATERAL NECK BEND TEST*	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 270 Sequential Test Number: 1
Date: November 20, 2006 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	899
RH- Rib Height (mm)	502 - 520	506
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	236
KH- Knee Pivot from Back Line (mm)	511 - 526	516
KV- Knee Pivot to Floor (mm)	490 - 505	495
HW- Hip Width (mm)	356 - 391	384

REMARKS: None

Thorax Impact

Post-Test

CONFIGURED FOR LEFT SIDE IMPACT

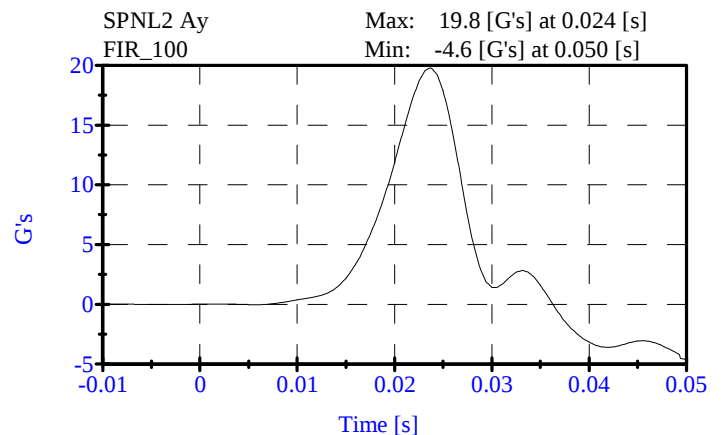
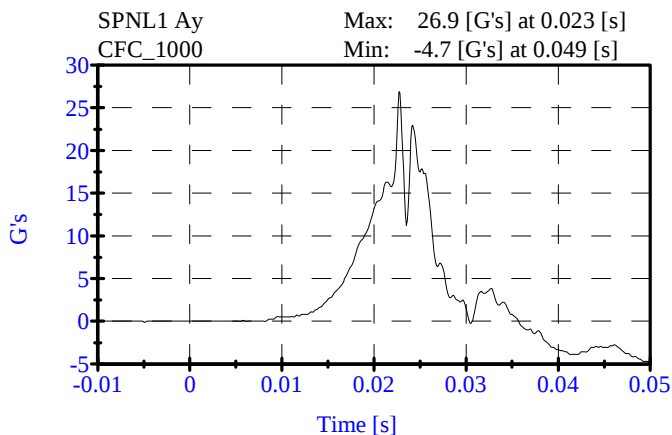
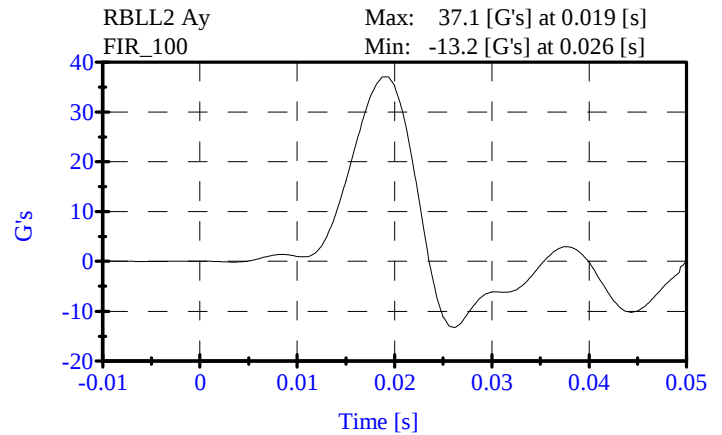
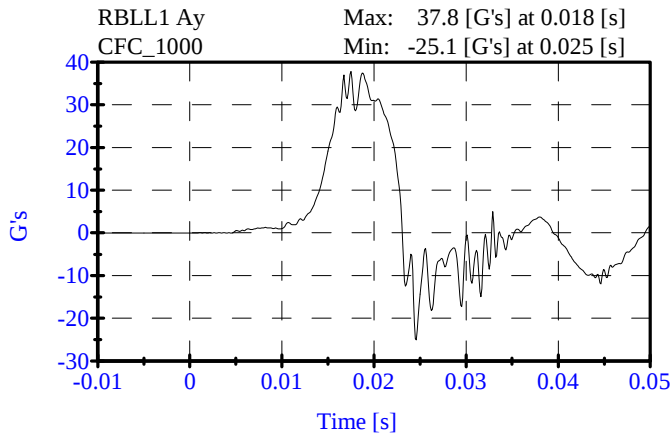
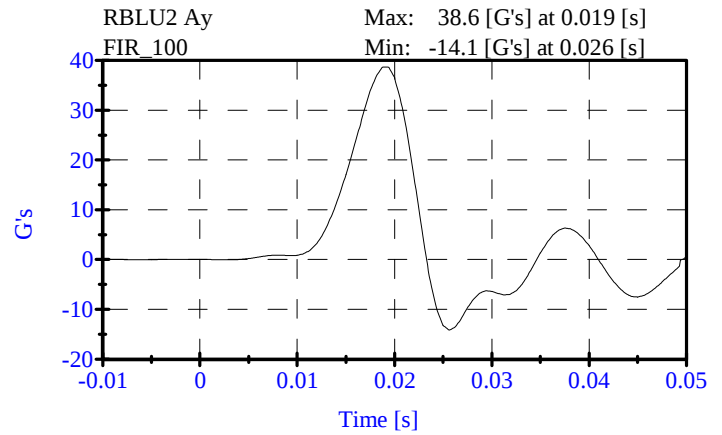
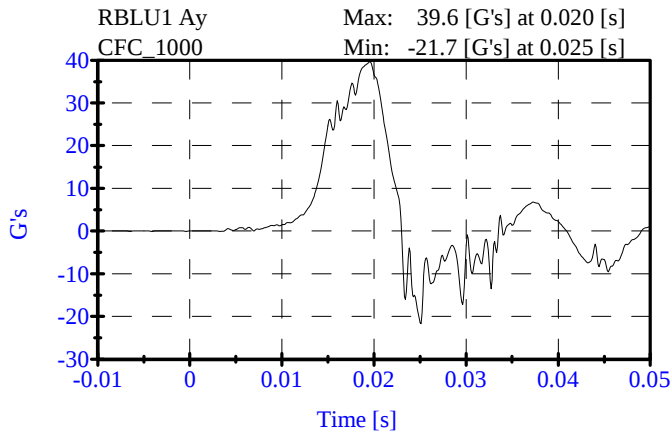
ATD Serial No: 270

Date: 11-16-06

Sequential Test Number: 1 File: 270T 11-16-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	40.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.28 m/s	Passed
Upper Rib Acceleration:	37.00-46.00 G's	38.64 G's	Passed
Lower Rib Acceleration:	37.00-46.00 G's	37.07 G's	Passed
Lower Spine Acceleration:	15.00-22.00 G's	19.79 G's	Passed



Pelvic Impact

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

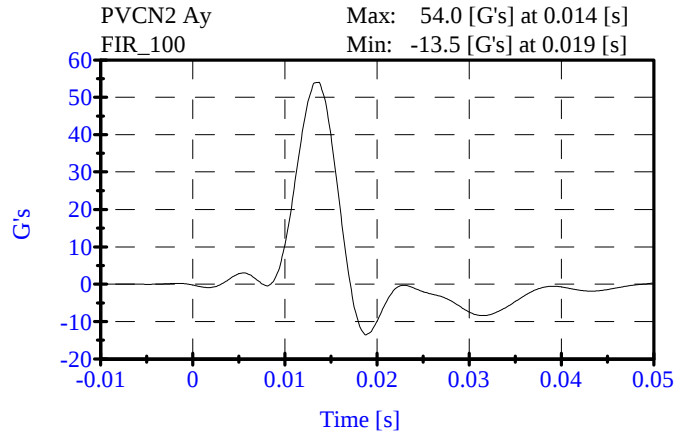
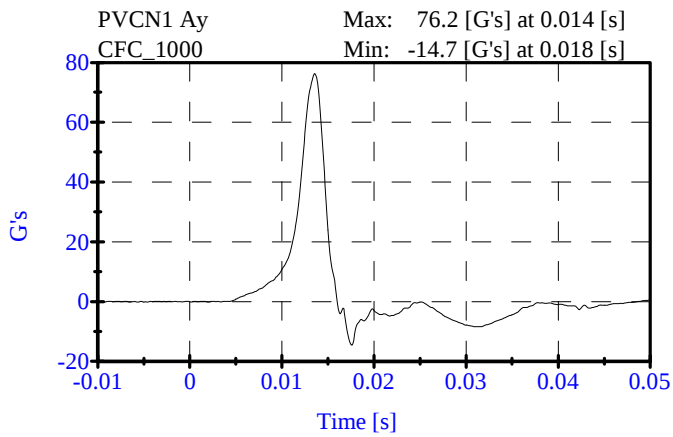
ATD Serial No: 270

Date: 11-16-06

Sequential Test Number: 1 File: 270P 11-16-06

Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	40.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.28 m/s	Passed
Pelvis Y Acceleration:	40.00-60.00 G's	54.01 G's	Passed
Time Above 20 Gs	3.0-7.0 ms	5.3 ms	Passed



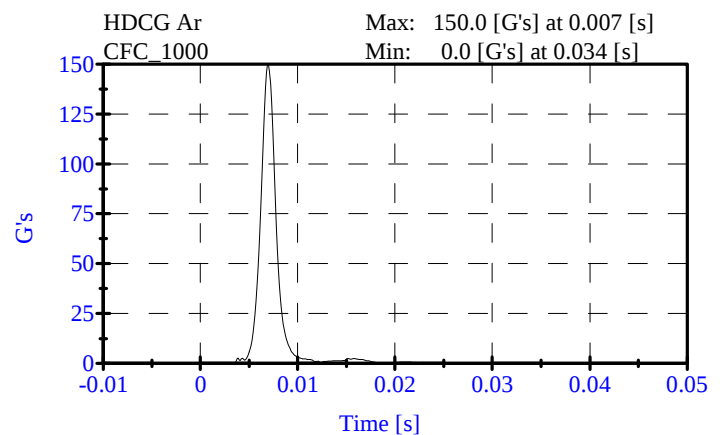
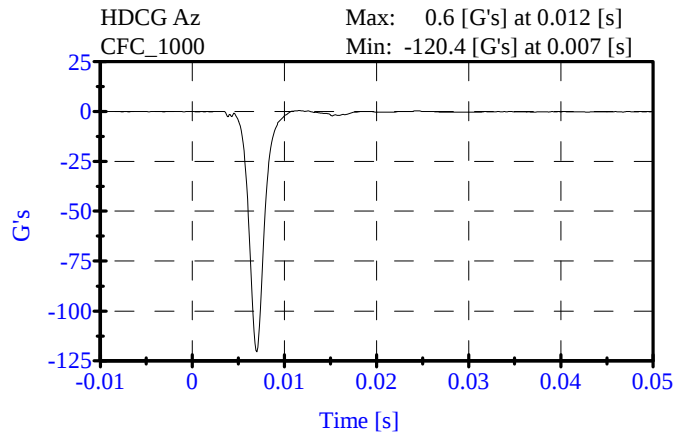
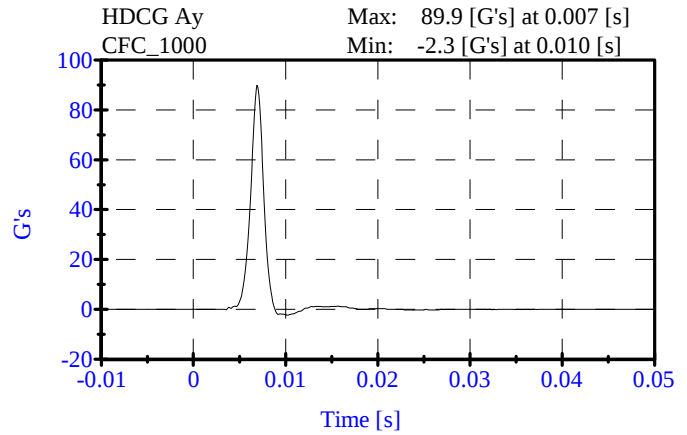
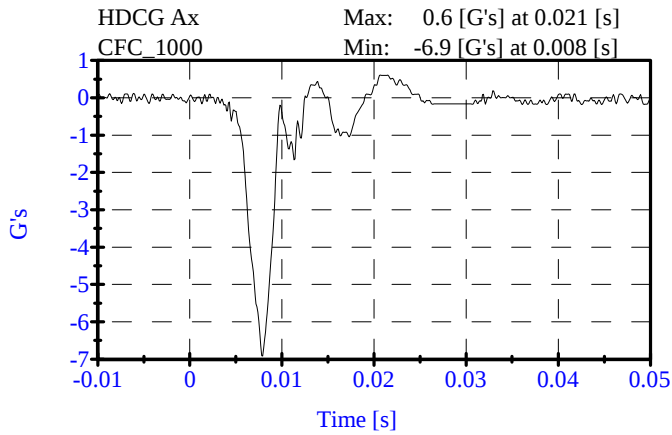
Head Drop POST TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270
Date: 11-15-06

Sequential Test Number: 1 File: 270HD 11-15-06
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.6 C	21.1 C	Passed
Lab Humidity:	10-70 %	38.00 %	Passed
Peak Resultant Accel.:	120-150 Gs	149.96 Gs	Passed
Peak Lateral Accel.:	15 Gs Max	0.61 Gs	Passed
Curve PerCent NonModal:	< 15%	1.66 %	Passed



Neck Test
POST TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270
Date: 11-15-06

Sequential Test Number: 1 File: 270N 11-15-06
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	20.6-22.2 C	21.1 C	Passed
Lab Humidity:	10-70 %	38.00 %	Passed
Impact Velocity:	6.89- 7.13 m/s	7.00 m/s	Passed
PENDULUM DELTA V			
Delta V at 10 ms:	1.96- 2.55 m/s	2.47 m/s	Passed
Delta V at 20 ms:	4.12- 5.10 m/s	4.84 m/s	Passed
Delta V at 30 ms:	5.73- 7.01 m/s	6.70 m/s	Passed
Delta V between 40-70 ms:	6.27- 7.64 m/s	7.15 m/s	Passed
D PLANE ROTATION			
Maximum Rotation:	66.0-82.0 Deg	68.91 Deg	Passed
Rotation Angle Decay:	58.0-67.0 ms	59.80 ms	Passed
MOMENT ABOUT THE OCCIPITAL CONDYLE			
Max Occipital Moment:	73.00- 88.00 N-m	83.60 N-m	Passed
Occipital Moment Decay:	49.0-64.0 ms	51.60 ms	Passed
HEAD ROTATION TIME WITH RESPECT TO THE OCCIPITAL CONDYLE MOMENT			
Moment to Rotation Peak:	2.0-16.0 ms	8.80 ms	Passed

Neck Test
POST TEST

CONFIGURED FOR LEFT SIDE IMPACT

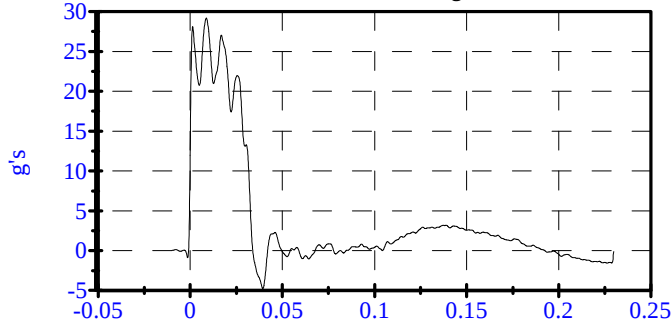
ATD Serial No: 270

Date: 11-15-06

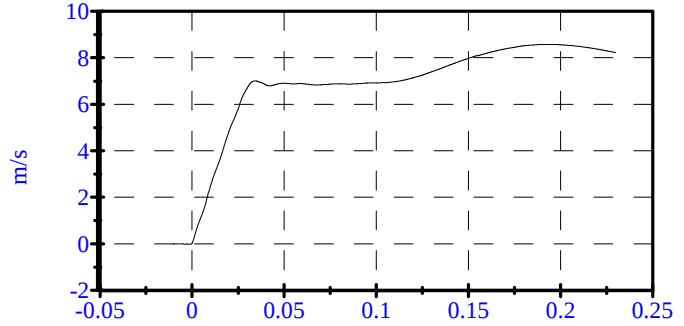
Sequential Test Number: 1 File: 270N 11-15-06

Laboratory Technician: B. Swiecicki

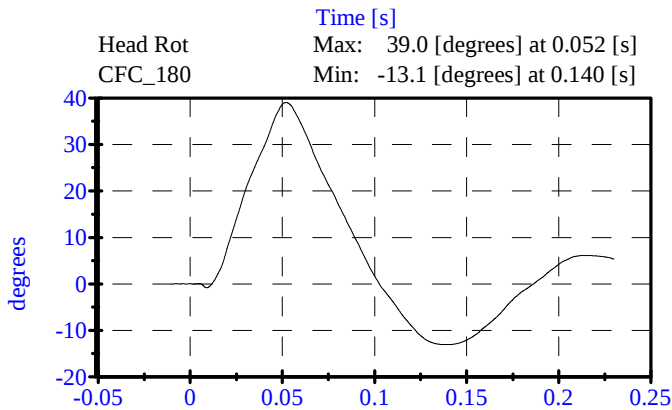
Pend Ax
CFC_180
Max: 29.2 [g's] at 0.009 [s]
Min: -4.8 [g's] at 0.039 [s]



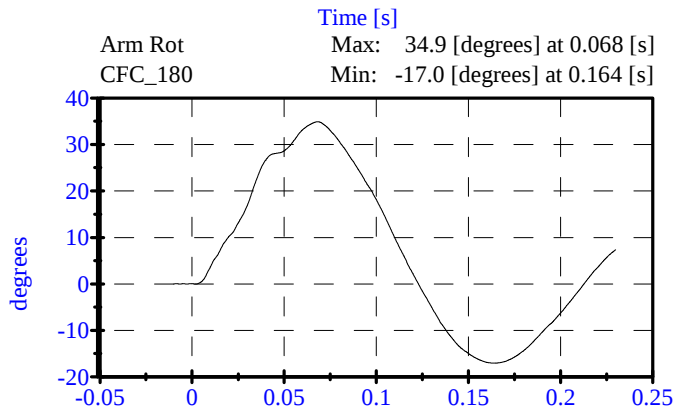
Pend Vx
CFC_180
Max: 8.6 [m/s] at 0.192 [s]
Min: -0.0 [m/s] at -0.001 [s]



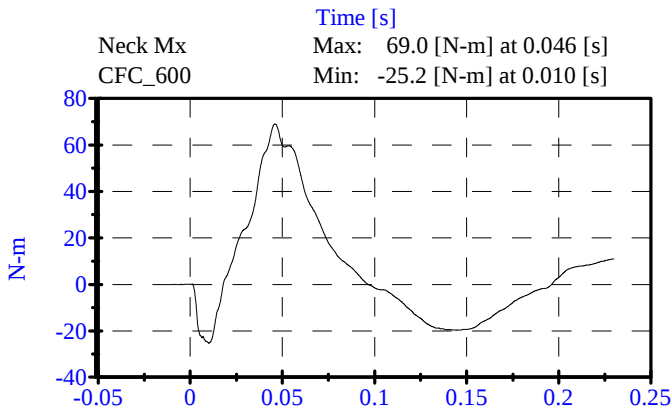
Head Rot
CFC_180
Max: 39.0 [degrees] at 0.052 [s]
Min: -13.1 [degrees] at 0.140 [s]



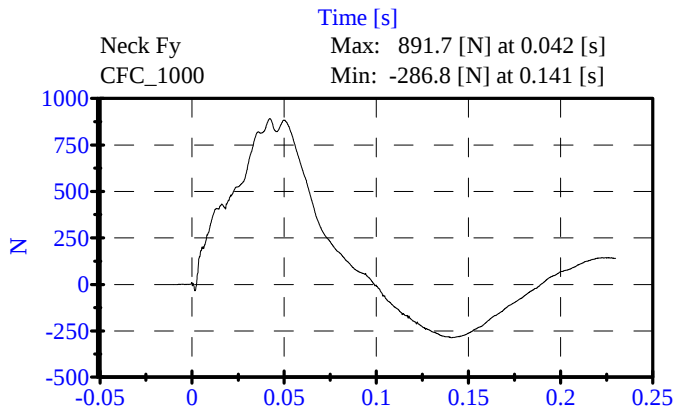
Arm Rot
CFC_180
Max: 34.9 [degrees] at 0.068 [s]
Min: -17.0 [degrees] at 0.164 [s]



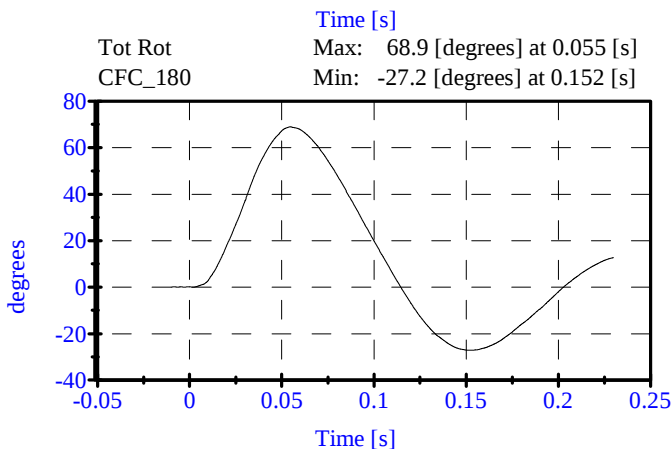
Neck Mx
CFC_600
Max: 69.0 [N-m] at 0.046 [s]
Min: -25.2 [N-m] at 0.010 [s]



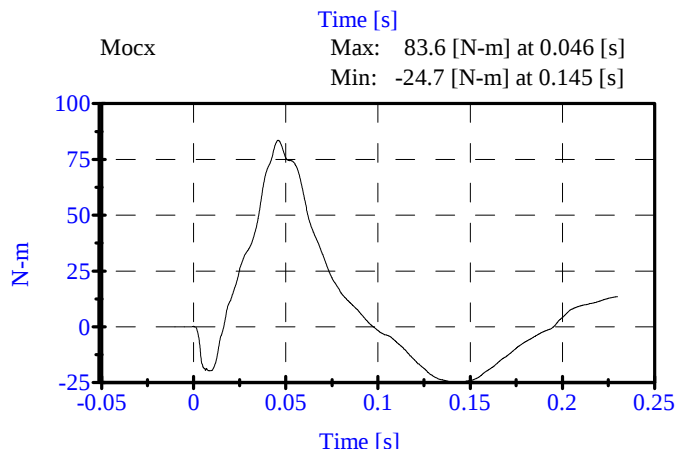
Neck Fy
CFC_1000
Max: 891.7 [N] at 0.042 [s]
Min: -286.8 [N] at 0.141 [s]



Tot Rot
CFC_180
Max: 68.9 [degrees] at 0.055 [s]
Min: -27.2 [degrees] at 0.152 [s]



Mocx
Max: 83.6 [N-m] at 0.046 [s]
Min: -24.7 [N-m] at 0.145 [s]



Abdomen Test

Post-Test

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270

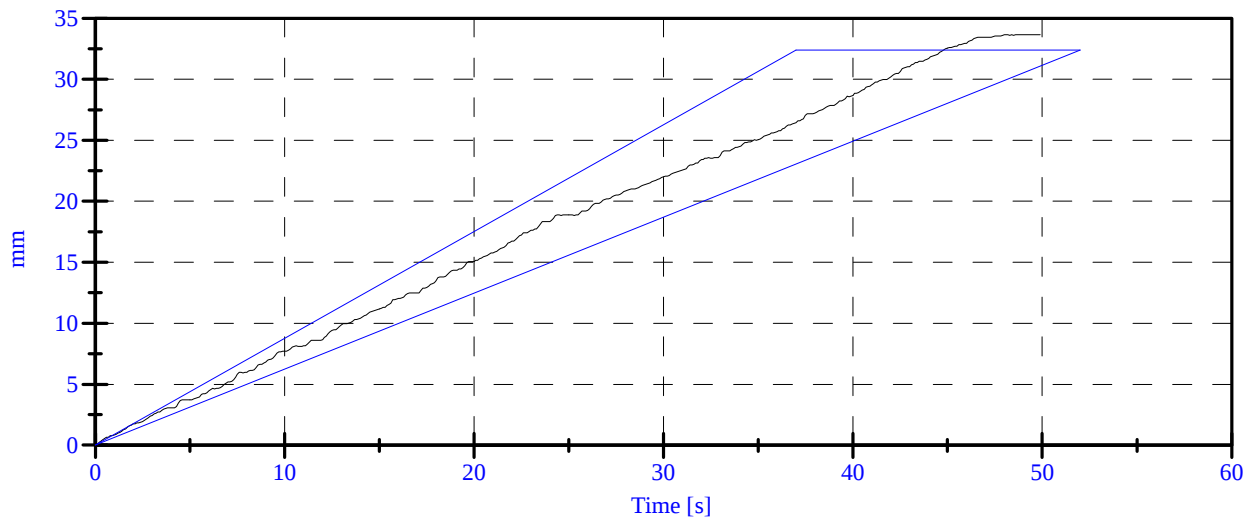
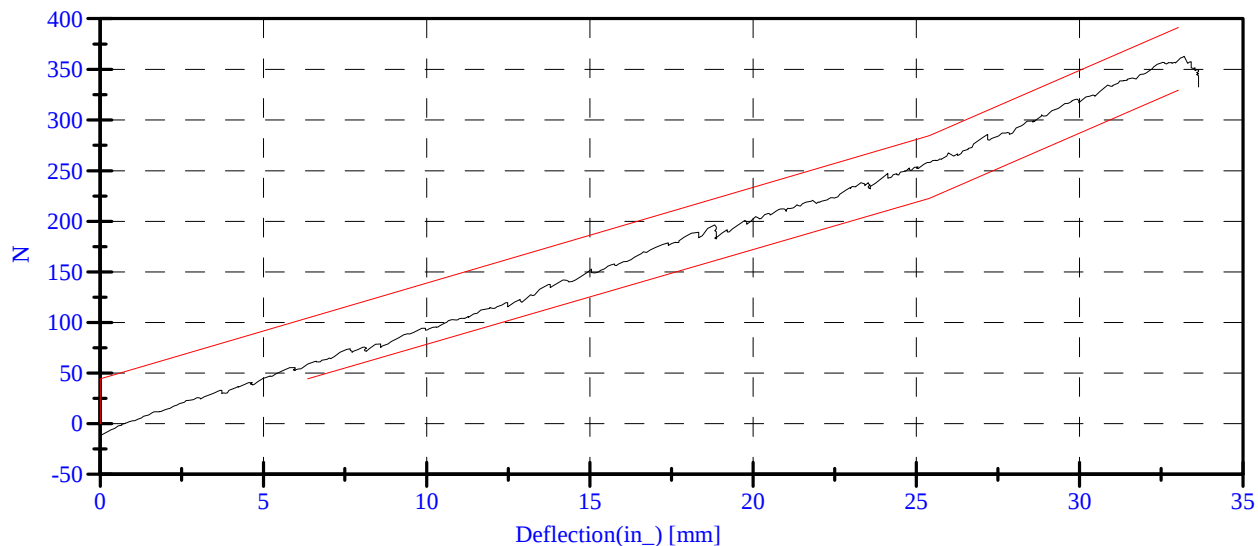
Date: 11-20-06

Sequential Test Number: 1 File: 270Ab 11-20-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Force at 12.95 mm :	104.00-162.00 N	120.05 N	Passed
Force at 19.05 mm :	162.98-220.99 N	188.20 N	Passed
Force at 25.40 mm :	221.97-280.02 N	258.16 N	Passed
Force at 33.02 mm :	324.99-391.00 N	361.47 N	Passed

ABDOMINAL COMPRESSION TEST



Lumbar Spine

POST TEST

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 270

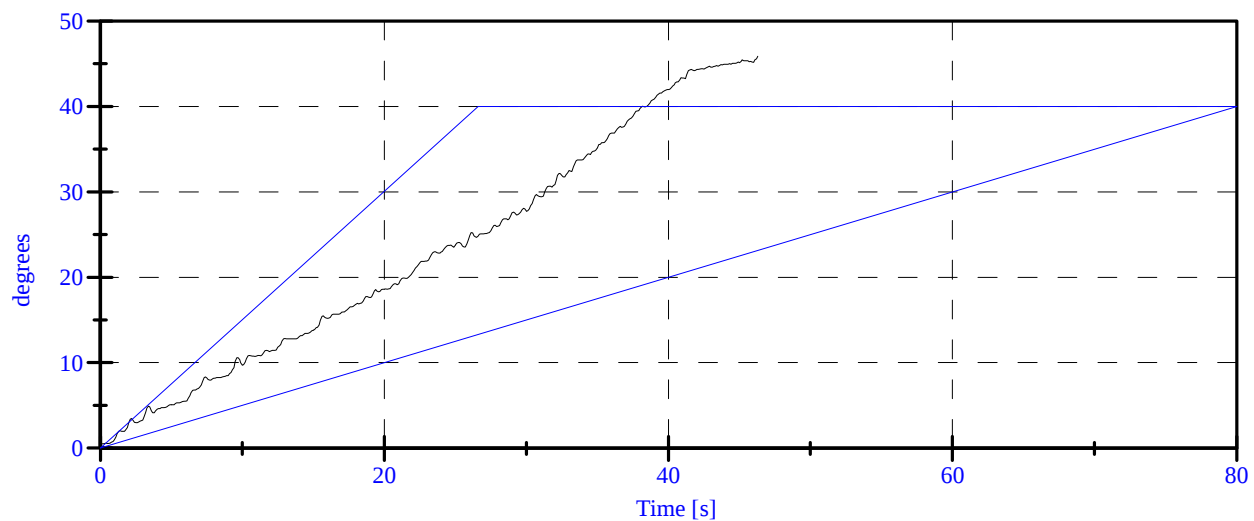
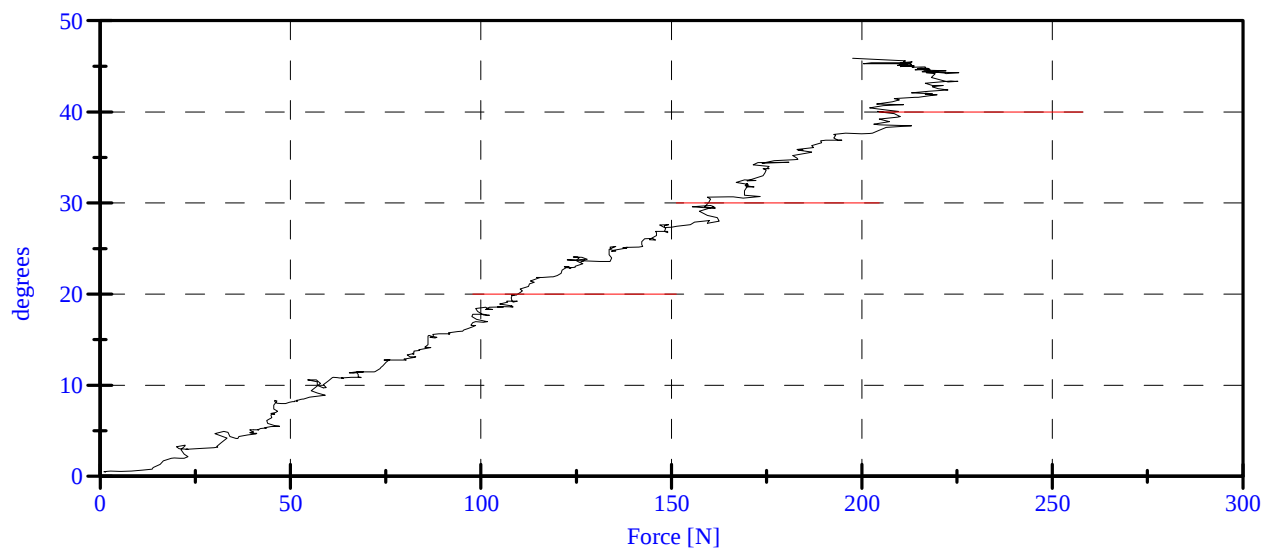
Date: 11-20-06

Sequential Test Number: 1 File: 270Sp 11-20-06

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Force at 0 Deg:	0.00-26.69 N	0.92 N	Passed
Force at 20 Deg:	97.86-151.24 N	109.82 N	Passed
Force at 30 Deg:	151.24-204.62 N	159.70 N	Passed
Force at 40 Deg:	204.62-258.00 N	206.19 N	Passed
Return Angle	12 Deg Max	3.42 deg	Passed

LUMBAR SPINE FLEXION TEST



POST TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

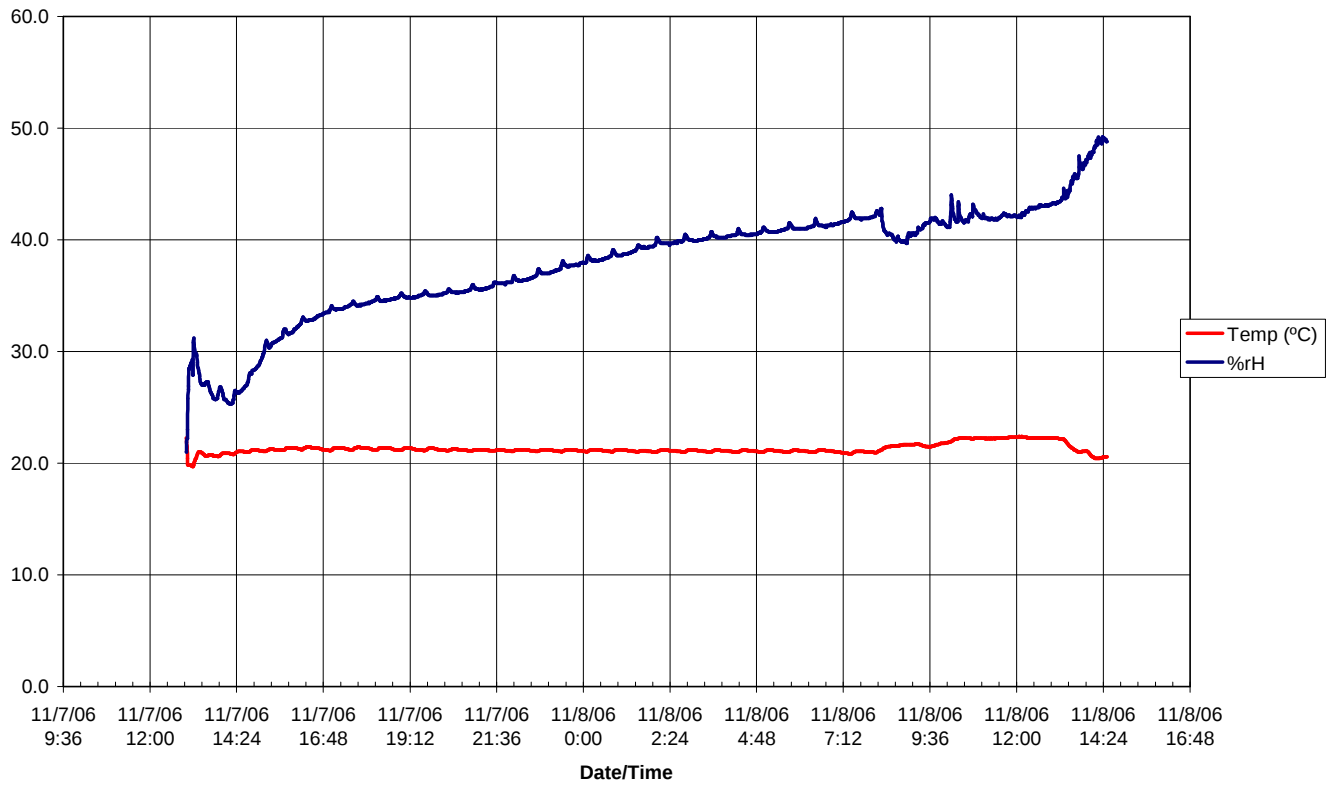
SID H3 Serial No.: 270 Sequential Test Number: 1
Date: November 20, 2006 Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	OK
LOWER LEGS	VISUAL, RANGE OF MOTION	OK
ANKLES	VISUAL, RANGE OF MOTION	OK
FEET	VISUAL, RANGE OF MOTION	OK
JOINTS	1 TO 2 g RANGE	OK
OTHER	NONE	-

REMARKS: None

TEMPERATURE TRACE

2007 Honda CR-V M75305 Environmental Conditions



APPENDIX D

TEST EQUIPMENT AND CALIBRATION INFORMATION

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

SID/HIII INSTRUMENTATION

	FRONT SID/HIII NO.: 269		
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
HEAD AX	AC-P22943	ENDEVCO	30-Aug-06
HEAD AY	AC-P35789	ENDEVCO	18-Jul-06
HEAD AZ	AC-P23164	ENDEVCO	30-Aug-06
UPPER NECK FX	LC-442FX	DENTON	8-Sep-06
UPPER NECK FY	LC-442FY	DENTON	8-Sep-06
UPPER NECK FZ	LC-442FZ	DENTON	8-Sep-06
UPPER NECK MX	LC-442MX	DENTON	8-Sep-06
UPPER NECK MY	LC-442MY	DENTON	8-Sep-06
UPPER NECK MZ	LC-442MZ	DENTON	8-Sep-06
UPPER RIB	AC-P39731	ENDEVCO	30-Aug-06
LOWER RIB	AC-P38896	ENDEVCO	30-Aug-06
LOWER SPINE	AC-P38188	ENDEVCO	30-Aug-06
PELVIS	AC-P38132	ENDEVCO	30-Aug-06
UPPER RIB REDUNDANT	AC-P39740	ENDEVCO	30-Aug-06
LOWER RIB REDUNDANT	AC-P35786	ENDEVCO	30-Aug-06
LOWER SPINE REDUNDANT	AC-P38216	ENDEVCO	30-Aug-06
PELVIS REDUNDANT	AC-P35757	ENDEVCO	30-Aug-06

	REAR SID/HIII NO.: 270		
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
HEAD AX	AC-P35812	ENDEVCO	28-Aug-06
HEAD AY	AC-P18739	ENDEVCO	28-Aug-06
HEAD AZ	AC-P19212	ENDEVCO	28-Aug-06
UPPER NECK FX	LC-1629FX	DENTON	8-Sep-06
UPPER NECK FY	LC-1629FY	DENTON	8-Sep-06
UPPER NECK FZ	LC-1629FZ	DENTON	8-Sep-06
UPPER NECK MX	LC-1629MX	DENTON	8-Sep-06
UPPER NECK MY	LC-1629MY	DENTON	8-Sep-06
UPPER NECK MZ	LC-1629MZ	DENTON	8-Sep-06
UPPER RIB	AC-P18558	ENDEVCO	28-Aug-06
LOWER RIB	AC-P18537	ENDEVCO	28-Aug-06
LOWER SPINE	AC-P18639	ENDEVCO	28-Aug-06
PELVIS	AC-P21171	ENDEVCO	28-Aug-06
UPPER RIB REDUNDANT	AC-P35818	ENDEVCO	18-Jul-06
LOWER RIB REDUNDANT	AC-P19222	ENDEVCO	28-Aug-06
LOWER SPINE REDUNDANT	AC-P16576	ENDEVCO	14-Jun-06
PELVIS REDUNDANT	AC-P22639	ENDEVCO	28-Aug-06

REMARKS: None

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

VEHICLE AND MDB INSTRUMENTATION

	VEHICLE AND MDB INSTRUMENTS		
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
RIGHT FRONT SILL (X)	AC-P23939	ENDEVCO	19-Jul-06
RIGHT FRONT SILL (Y)	AC-P23999	ENDEVCO	19-Jul-06
RIGHT FRONT SILL (Z)	AC-P23993	ENDEVCO	19-Jul-06
RIGHT REAR SILL (X)	AC-P15534	ENDEVCO	14-Jun-06
RIGHT REAR SILL (Y)	AC-P18718	ENDEVCO	5-Jul-06
RIGHT REAR SILL (Z)	AC-P18628	ENDEVCO	6-Jul-06
REAR FLOORPAN ABOVE AXLE (X)	AC-P16625	ENDEVCO	18-Jul-06
REAR FLOORPAN ABOVE AXLE (Y)	AC-P17237	ENDEVCO	5-Jul-06
REAR FLOORPAN ABOVE AXLE (Z)	AC-J32838	ENDEVCO	7-Jul-06
LEFT REAR SILL (Y)	AC-P23155	ENDEVCO	30-Jun-06
LEFT FRONT SILL (Y)	AC-P19216	ENDEVCO	14-Jun-06
RIGHT REAR SEAT OCCUPANT COMP. (Y)	AC-8083-037	ICS	12-Jul-06
LOWER LEFT B- PILLAR (Y)	AC-P16832	ENDEVCO	18-Jul-06
MIDDLE LEFT B-PILLAR (Y)	AC-P35758	ENDEVCO	18-Jul-06
LOWER LEFT A-PILLAR (Y)	AC-P19374	ENDEVCO	5-Jul-06
UPPER LEFT A-PILLAR (Y)	AC-P13323	ENDEVCO	5-Jul-06
FRONT SEAT TRACK (Y)	AC-P35804	ENDEVCO	18-Jul-06
REAR SEAT TRACK (Y)	AC-P26266	ENDEVCO	7-Aug-06
VEHICLE CG (X)	AC-J31101	ENDEVCO	5-Jul-06
VEHICLE CG (Y)	AC-P23174	ENDEVCO	28-Jun-06
VEHICLE CG (Z)	AC-J31059	ENDEVCO	5-Jul-06
MDB CG (X)	AC-C16433	ENDEVCO	27-Jun-06
MDB CG (Y)	AC-C16416	ENDEVCO	27-Jun-06
MDB CG (Z)	AC-C16499	ENDEVCO	27-Jun-06
MDB REAR FRAME MEMBER (X)	AC-C14948	ENDEVCO	27-Jun-06
MDB REAR FRAME MEMBER (Y)	AC-C16680	ENDEVCO	27-Jun-06

REMARKS: None