

REPORT NUMBER TR-P25003-02-NC

**NEW CAR ASSESSMENT PROGRAM
SIDE IMPACT TEST**

**HONDA MOTORS CORPORATION
2005 HONDA ODYSSEY
5-DOOR MPV**

NHTSA NUMBER: M55303

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DECEMBER 14, 2004

FINAL REPORT

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16. Abstract A 55/28 km/h 90 deg. Moving Deformable Barrier Side Impact NCAP Test was conducted on the subject 2005 Honda Odyssey 5-Door MPV in accordance with the specifications of the Office of Crash Worthiness Standards Test Procedures for the generation of consumer information on vehicle side crash protection. The test was conducted at KARCO Engineering, LLC in Adelanto, California, on December 14, 2004. The impact velocity of the Moving Deformable Barrier was 61.88 km/h (38.46 mph), and the outside ambient temperature at the struck (driver's) side of the vehicle was 20.0 deg. C. The target vehicle's maximum post-test static crush was 313 mm located at level 3. The test vehicle's occupant performance data is as follows: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 35%;">Measurement Description</th> <th style="width: 15%;">Driver SID/HIII</th> <th style="width: 15%;">Pass. SID/HIII</th> <th style="width: 35%;"></th> </tr> </thead> <tbody> <tr> <td>Left Upper Rib (LUR) G's</td> <td style="text-align: center;">43.5</td> <td style="text-align: center;">46.7</td> <td></td> </tr> <tr> <td>Left Lower Rib (LLR) G's</td> <td style="text-align: center;">45.9</td> <td style="text-align: center;">42.7</td> <td></td> </tr> <tr> <td>Lower Spine (T₁₂) G's</td> <td style="text-align: center;">37.8</td> <td style="text-align: center;">45.0</td> <td></td> </tr> <tr> <td>Thoracic Trauma Index (TTI) G's</td> <td style="text-align: center;">42.0</td> <td style="text-align: center;">46.0</td> <td></td> </tr> <tr> <td>Pelvis (PEV) G's</td> <td style="text-align: center;">36.0</td> <td style="text-align: center;">83.0</td> <td></td> </tr> </tbody> </table>				Measurement Description	Driver SID/HIII	Pass. SID/HIII		Left Upper Rib (LUR) G's	43.5	46.7		Left Lower Rib (LLR) G's	45.9	42.7		Lower Spine (T ₁₂) G's	37.8	45.0		Thoracic Trauma Index (TTI) G's	42.0	46.0		Pelvis (PEV) G's	36.0	83.0	
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SECTION 1

PURPOSE AND TEST PROCEDURE

1.1 PURPOSE

This Side Impact NCAP test is conducted as part of the FY' 2005 test program sponsored by the National Highway Traffic Safety Administration (NHTSA), under contract No. DTNH22-03-D-32005. The purpose of this test is to generate comparative side impact data on a 2005 Honda Odyssey 5-Door MPV manufactured by Honda Manufacturing of Alabama.

1.2 TEST PROCEDURE

The side impact test was conducted in accordance with the current National Highway Traffic Safety Administration (NHTSA), Office of Crashworthiness Standards (OCS), laboratory test procedure NCAP Side Impact Testing, dated November 2002. The procedures for receiving, inspection, testing, and reporting of test results are described in the test procedures and are not repeated in this report.

SECTION 2

SUMMARY OF SIDE IMPACT TEST

2.1 SUMMARY OF SIDE IMPACT NCAP TEST

A model year 2005 Honda Odyssey 5-Door 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 61.88 km/h. The specified impact velocity range is from 61.14 to 62.75 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 2274 kg and the test weight of the MDB was 1361 kg. The test was conducted at KARCO Engineering, LLC in Adelanto, California, on December 14, 2004.

SUPPLEMENTAL RESTRAINT INFORMATION

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

Three (3) real-time camera and fourteen (14) high-speed cameras were used to document the impact event. Camera locations and pertinent camera information is documented in the data sheets. Pre- and post-test photographs of the vehicle and SID/HIIIs can be found in Appendix A. Two 50th percentile adult male Side Impact Dummies, Hybrid III (SID/HIIIs) were placed in the driver's and left rear passenger designated seating positions according to the test procedure. Each SID/HIII is instrumented with contact switches on the pelvis and thorax six-axis neck load cells, and fourteen accelerometers 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)

The test vehicle was instrumented with twenty-six (26) structural accelerometers and the MDB was instrumented with five (5) accelerometers and one (1) contact switch on the right bumper to compare left side to right side bumper impact timing. All data channels were recorded with the fully self contained on-board Data Acquisition System (DAS). The data was digitally sampled at 10,000 samples per second and processed per Appendix V of the Test Procedure.

2.2 GENERAL COMMENTS

The driver door became unlatched and opened during impact (Figure 70, Appendix A). The passenger door remained latched, although it separated near the top sill (Figure 71, Appendix A). The test vehicle sustained a maximum static crush of 313 mm at level 3, 1350 mm rearward of the left vertical impact point. The driver SID/Hybrid III, Serial No. 275 and the passenger SID/Hybrid III, Serial No. 274 were calibrated prior to this test. The SID/Hybrid III injury criteria is summarized as follows:

Measurement	Units	Driver	Passenger
Thoracic Trauma Index (TTI)	G's	42.0	46.0
Peak Pelvic G's (PEV)	G's	36.0	83.0

Tests summaries and post-test observations are presented in Section 3. Appendix A contains the still photograph prints. Appendix B contains the driver and passenger SID/HIIIs, vehicle, and MDB response data. Appendix C contains the SID/HIII Configuration and performance verification data. Appendix D contains test equipment list and calibration information.

SECTION 3

OCCUPANT AND VEHICLE INFORMATION SHEETS

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

CONVERSION FACTORS USED IN THIS REPORT*

Quantity	Typical Application	Std Units	Metric Unit	Multiply By
Mass	Vehicle Weight	lb	kg	0.4536
Linear Velocity	Impact Velocity	mile/h	km/h	1.609
Length or Distance	Measurements	in	mm	25.4
Volume	Fuel Systems	gal	liter	3.785
Volume	Small Fluids	oz	mL	29.573
Pressure	Tire Pressures	lb/in ²	kPa	7.0
Volume	Liquid	gal	liter	3.785
Temperature	General Use	°F	°C	$=(tf - 32)/1.8$
Force	Dynamic Forces	lbf	N	4.448
Moment	Torque	lbf/ft	Nm	1.355

* Based on the Recommended Practice in SAE J916, May 85

DATA SHEET NO. 1

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

TEST VEHICLE INFORMATION AND OPTIONS

NHTSA No.	M55303	Anti-Lock Brakes	Yes
Make	Honda	All Wheel Drive	No
Model	Odyssey	Power Steering	Yes
Body Style	5-Door MPV	Driver Front Airbag	Yes
Vin No.	5FNRL38215B018330	Driver Side Torso Airbag	Yes
Color	Saga Pearl	Driver Side Head Airbag	No
Delivery Date	11/22/2004	Driver Curtain Airbag	Yes
Odometer (miles)	26	Rear Pass. Airbag	No
Dealer	Valley Hi-Honda	Rear Pass. Side Airbag	No
Transmission	4-Speed Automatic	Rear Pass. Head Airbag	No
Final Drive	Front	Rear Pass. Curtain Airbag	Yes
Type/No. Cyl.	V6	Pre-Tensioners	Yes
Engine Disp. (L)	3.5	Load Limiters	Yes
Engine Placement	Transverse	Bucket Seats	Yes
Roof Rack	No	Air Cond.	Yes
Sunroof/T-Top	No	AM/FM Cassette	Yes
Tinted Glass	Yes	Tilt Steering	Yes
Traction Control	Yes	Power Door Locks	No
Power Brakes	Yes	Power Windows	Yes
Front Disc	Yes	Power Seats	Yes
Rear Disc	Yes	Other	

Does Owners Manual provide instructions to turn off automatics door locks.

No

DATA FROM CERTIFICATION LABEL

Manufactured By	Honda Mfg. of Alabama, LLC.	GVWR (kg)	2700
Date of Manufacture	October-04	GAWR Front (kg)	1285
		GAWR Rear (kg)	1450

VEHICLE SEATING AND CAPACITY WEIGHT INFORMATION

Measured Parameter	Front	Rear	Third	Total
Type of Seats	Bucket	Bucket	Split Bench	
Number of Occupants	2	2	3	7
Capacity Weight (VCW) (kg)				612
Cargo Weight (RCLW) (kg)				136

DATA SHEET NO. 1...(CONTINUED)

GENERAL TEST AND VEHICLE PARAMETER DATA

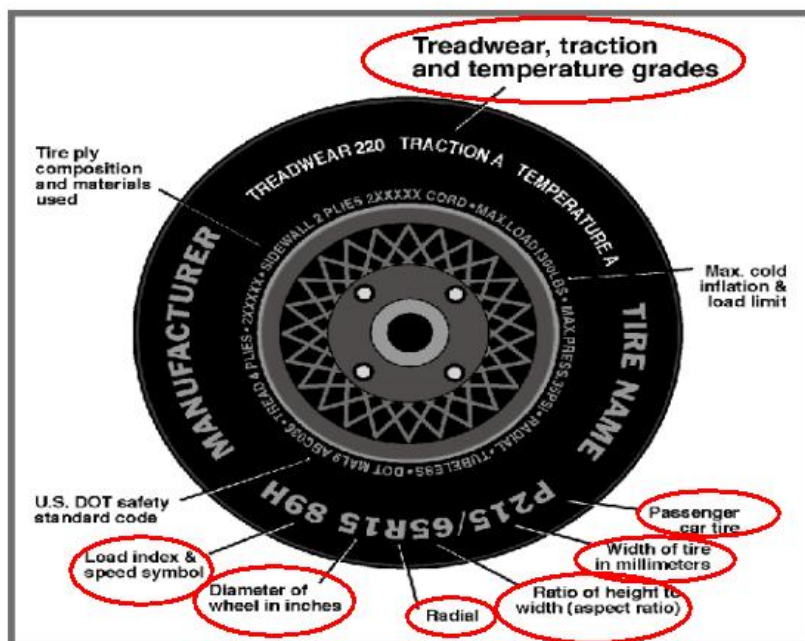
Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

Collect year, make, model, VIN, items circled in red, and tire manufacturer and tire name.



TIRE INFORMATION

Measured Parameter	Front	Rear
Max. Tire Pressure (kpa)	300	300
Cold Pressure (kpa)	230	240
Recommended Tire Size	235/65R16 103T	235/65R16 103T
Tire Size on Vehicle	235/65R16 103T	235/65R16 103T
Tire Manufacturer	Bridgestone	Bridgestone
Treadwear	320	320
Traction	B	B
Temperature Grades	B	B
Tire Plies Sidewall	2-Ply Polyester	2-Ply Polyester
Tire Plies Body	M+S	M+S
Load Index/Speed Symbol	103T	103T
Tire Material	2 Polyester + 2 Steel + 1 Nylon	2 Polyester + 2 Steel + 1 Nylon
DOT Safety Code Right	OB46 CT1 3804	OB46 CT1 3804
DOT Safety Code Left	OB46 CT1 3804	OB46 CT1 3804

DATA SHEET NO. 1...(CONTINUED)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

TEST VEHICLE WEIGHTS

	Units	As Delivered Weights (UVW)			As Tested Weights (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	562	448		621	557	
Right	kg	545	431		573	523	
Ratio	%	55.7	44.3		52.5	47.5	
Totals	kg	1107	879	1986	1194	1080	2274

TARGET TEST WEIGHT CALCULATION

Measured Parameter	Units	Value
Total Delivered Weight (UVW)	kg	1986
Weight of 2 P572 ATD's	kg	161
Rated Cargo/Luggage Wt. (RCLW)	kg	136
Calculated Vehicle Target Wt. (TVTW)	kg	2283

TEST VEHICLE ATTITUDE AND CG

	Units	LF	RF	LR	RR	CG (aft of front axle)
As Delivered	mm	746	751	752	761	1328
As Tested	mm	725	735	722	730	1424
Fully Loaded	mm	737	748	728	738	

GENERAL TEST VEHICLE DATA

Measurement Description	Units	Value
Test Vehicle Wheel Base	mm	3000
Total Vehicle Length at Left Side	mm	4873
Total Vehicle Length at Centerline	mm	5102
Total Vehicle Length at Right Side	mm	4873
Weight of Ballast In Cargo Area	kg	72
Amount of Stoddard Solvent in Fuel Tank	Liters	73.93

TEST VEHICLE VERTICAL IMPACT LINE DATA

Measurement Description	Units	Value
Test Vehicle Wheel Base	mm	3000
Target Impact Point Aft of Front Axle	mm	508
Actual Impact Point Aft of Front Axle	mm	498

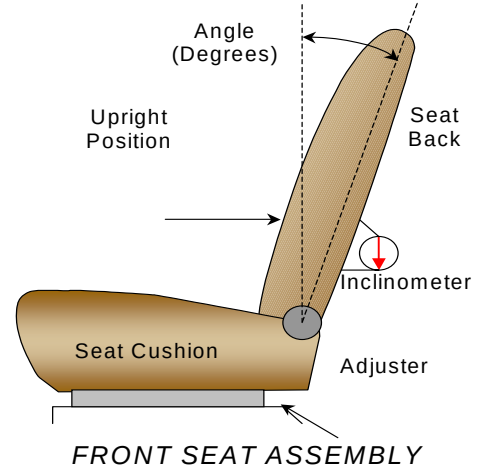
GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
Test Date: 12/14/04

NOMINAL DESIGN RIDING POSITION

The driver and passenger seat backs are positioned to the manufacturers designated angle. The procedure is as follows: A special application tool with pointed probes is inserted through the fabric to make contact with the rigid portion of the lower seat frame assembly, approximately 13 inches above the pivot point of the seat back. An inclinometer is placed against the flat surface of the tool and the seat back angle is measured directly from the dial face.



SEAT BACK ANGLES

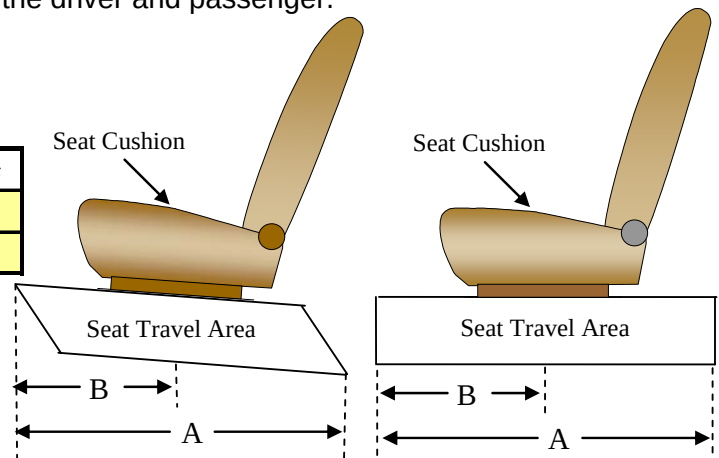
	Deg.
Driver w/seated Dummy	14.9
Rear w/seated Dummy	12.6

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 POSITIONING

	Total Fore/Aft Travel	Placed in Position #
Driver Seat	22 Detents	11th Detent
Rear Seat	18 Detents	10th Detent



SEAT BELT UPPER ANCHORAGE

Position number one (1) is the uppermost position.

SEAT BELT UPPER ANCHORAGE

	Total # of Positions	Placed in Position #
Driver Seat	4	1
Rear Seat	4	1

DATA SHEET NO. 1...(CONTINUED)

GENERAL TEST AND VEHICLE PARAMETER DATA

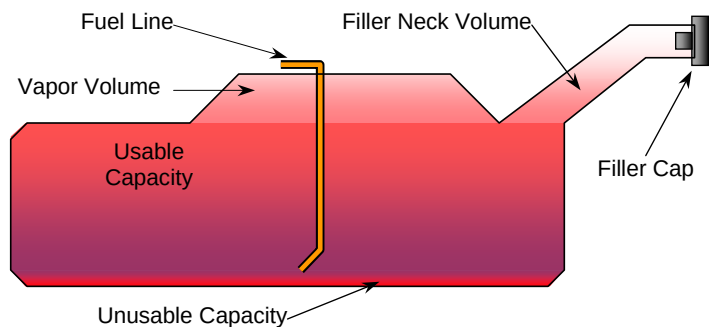
Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
 Test Date: 12/14/04

FUEL TANK CAPACITY

	Liters
Usable Capacity of "Standard Tank"	79.49
Usable Capacity of "Optional" Tank	
Usable Capacity used for FMVSS 301	73.13 to 74.72
Actual Amount of Solvent used	73.93

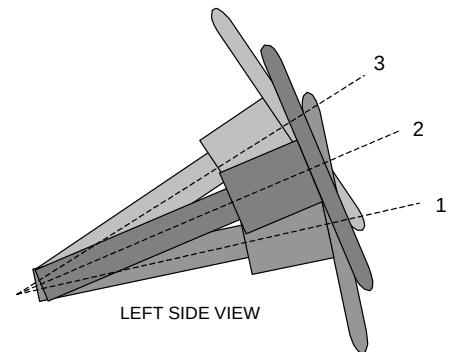
The test vehicle is equipped with an electric fuel pump. The fuel pump will operate for approximately three (3) seconds with the ignition in the "ON" position, after which the fuel pump automatically shuts off. The fuel filler door is located on the left rear fender.



VEHICLE FUEL TANK ASSEMBLY

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 POSITIONS

	Degrees	Fore/Aft Position (mm)
Lowermost Position No.1	23.1	
Geometric Center Position No. 2	26.2	
Uppermost Position No.3	29.3	

DATA SHEET NO. 2**TEST VEHICLE SUMMARY OF RESULTS**Test Vehicle: 2005 Honda Odyssey 5-Door MPVNHTSA No.: M55303Test Program: 55/28 km/h Side Impact NCAPTest Date: 12/14/04**TEST VEHICLE WEIGHTS**

	Units	As Delivered Weights (UWW)			As Tested Weights (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	562	448		621	557	
Right	kg	545	431		573	523	
Ratio	%	55.7	44.3	100%	52.5	47.5	100%
Totals	kg	1107	879	1986	1194	1080	2274

MAXIMUM EXTERIOR STATIC CRUSH

Level	Measured Parameter	Units	Maximum Crush	Above Ground
Level 1	Sill Top Height	mm	41	224
Level 2	Occupant H-Point	mm	298	679
Level 3	Mid Door	mm	313	669
Level 4	Window Sill	mm	222	1024
Level 5	Window top	mm	48	1640
N/A	Maximum Penetration	mm	313	

INSTRUMENTATION

Driver SID/Hybrid III Accelerometers	20
Passenger SID/Hybrid III Accelerometers	20
Vehicle Structure Accelerometers	26
MDB Accelerometers	5
Total number of Contact Switches	5
Total	76

CAMERA COVERAGE

Cameras	Standard	Additional
High Speed	10	4
Real Time	1	2
Total	11	6

DATA SHEET NO. 3**MOVING DEFORMABLE BARRIER (MDB) SUMMARY OF RESULTS**

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
 Test Date: 12/14/04

MDB SPECIFICATIONS (mm)

Measurement Description	Length
Overall Width of Framework Carriage	1252
Overall Length including Honeycomb Face	4115
Wheel Base of Framework Carriage	2590
C.G. location aft of Front Axle	1127

MDB WEIGHTS

	Units	Front Axle	Rear Axle	Total
Left	kg	384	308	
Right	kg	385	284	
Ratio	%	56.5	43.5	
Totals	kg	769	592	1361

SPEED AND IMPACT DATA

Measured Parameter	Units	Requirement	Value
Trap No. 1 Velocity (Primary)	km/h	61.1 to 62.7	61.88
Trap No. 2 Velocity (Redundant)	km/h	61.1 to 62.7	61.75
MDB CL to Target Vehicle CL	degrees	88.5 to 91.5	89.5

MAXIMUM STATIC CRUSH OF HONEYCOMB FACE (mm)

Vertical Location			From Centerline		Max. Crush
Row	Description	Height	Distance	Direction	
A	Center of Bumper	432	800	Right	238
B	Top of Bumper	533	800	Right	106
C	Mid Level	686	800	Left	102
D	Top of Stack	813	400	Left	136

MDB INSTRUMENTATION AND CAMERAS

Accelerometers	5
Contact Switches	1
High Speed Cameras	2

DATA SHEET NO. 4
POST-TEST OBSERVATIONS

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
Test Date: 12/14/04

TEST DUMMY INFORMATION AND CONTACT POINTS

Description	Front Seat SID/HIII	Rear Seat SID/HIII
Dummy Type / Serial No.	P572F, SID/HIII NO. 275	P572F, SID/HIII NO. 274
Head Contact	Curtain Airbag, Headrest	Curtain Airbag
Upper Torso Contact	Side Airbag	Door Panel
Lower Torso Contact	Door Panel	Door Panel
Left Knee Contact	None	Door Panel
Right Knee Contact	None	Left Knee

POST-TEST DOOR OPENING AND SEAT TRACK INFORMATION

Description	Front	Rear
Left Side Doors Opening	Opened During Impact	Remained Latch/Inoperable
Right Side Doors Opening	Remained Closed/Latch Operable	Remained Closed/Latch Operable
Seat Movement (mm)	0	0
Seat Back Failure	No	No

POST-TEST STRUCTURAL OBSERVATIONS

Critical Areas of Performance	Observations and Conclusions
Pillar Performance	Pillars Pushed Inward With No Apparent Failure
Sill Separation	No Apparent Visible Failure
Windshield Damage	Glazing Cracks on Struck Side Only
Window Damage	Both Struck Side Windows Broke
Other Notable Effects	Right and Left Rear Door Separation Near Top Sill

SUPPLEMENTAL RESTRAINT SYSTEM INFORMATION

Restraint Type	Left Front (Driver) Occupant Location 01		Left Rear (Passenger) Occupant Location 04	
	Installed	Operation	Installed	Operation
Front Airbag	Yes		No	
Side Airbag	Yes	Deployed	No	
Head Airbag	No		No	
Curtain Airbag	Yes	Deployed	Yes	Deployed
Seat Belt Pretensioner	Yes		No	
Seat Belt Load Limiter	Yes		No	

MDB LEFT EDGE IMPACT POINT DATA

Measured Parameter	Units	Requirement	Value
Horizontal Offset	mm	+/- 50	-10 (Left)
Vertical Offset	mm	+/- 20	12 (Above)

DATA SHEET NO. 5
SID/HIII INJURY CRITERIA AND SENSOR DATA

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

THORAX AND PELVIS PEAK ACCELERATIONS, PRIMARY (FIR 100 Filtered)

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Upper Rib (LUR)	Y	G's	43.5	46.9	-7.3	110.6	46.7	58.1	-10.2	75.6
Lower Rib (LLR)	Y	G's	45.9	39.4	-5.8	121.9	42.7	48.1	-11.4	75.6
Lower Spine (T ₁₂)	Y	G's	37.8	40.0	-5.4	97.5	45.0	45.6	-9.9	70.0
Pelvis (PEV)	Y	G's	35.8	34.4	-3.5	132.5	83.5	38.8	-13.2	71.3

THORACIC TRAUMA INDEX (TTI) AND PELVIC ACCELERATION, PRIMARY (FIR 100 Filtered)

Location	Driver				Passenger			
	LLR	T ₁₂	TTI(g)	PEV(g)	LUR	T ₁₂	TTI(g)	PEV(g)
Primary Rib, Spine, and Pelvis	45.908	37.810	42	36	46.663	45.020	46	83

THORAX AND PELVIS PEAK ACCELERATIONS, REDUNDANT (FIR 100 Filtered)

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Upper Rib (LUR)	Y	G's	43.1	46.9	-7.5	111.3	46.7	58.1	-9.9	75.6
Lower Rib (LLR)	Y	G's	46.3	39.4	-5.9	121.9	42.7	48.1	-11.7	75.0
Lower Spine (T ₁₂)	Y	G's	37.8	40.0	-5.1	127.5	44.8	45.6	-10.3	70.0
Pelvis (PEV)	Y	G's	35.6	35.0	-3.3	65.6	83.0	38.8	-13.3	71.3

THORACIC TRAUMA INDEX (TTI) AND PELVIC ACCELERATION, REDUNDANT (FIR 100 Filtered)

Location	Driver				Passenger			
	LLR	T ₁₂	TTI(g)	PEV(g)	LUR	T ₁₂	TTI(g)	PEV(g)
Redundant Rib, Spine, and Pelvis	46.343	37.756	42	36	46.651	44.810	46	83

Positive Acceleration Polarities:

- Longitudinal (X) = Forward
- Lateral (Y) = Right
- Vertical (Z) = Down

DATA SHEET NO. 5...(CONTINUED)
SID/HII INJURY CRITERIA AND SENSOR DATA

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

HEAD PRIMARY PEAK ACCELERATIONS (SAE CLASS 1000 Filtered)

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Head CG	X	G's	4.5	200.0	-18.0	58.3	2.9	36.3	-14.5	75.2
Head CG	Y	G's	24.1	44.4	-7.6	179.2	29.5	75.0	-10.4	126.1
Head CG	Z	G's	9.2	38.6	-16.4	46.9	19.1	45.4	-28.0	69.1
Head CG Resultant	N/A	G's	29.0	51.6			40.0	71.9		

HEAD PRIMARY INJURY CRITERIA (SAE CLASS 1000 Filtered)

Location	Driver				Passenger			
	HIC	T ¹	T ²	Avg G	HIC	T ¹	T ²	Avg G
Head CG	85.5	33.9	69.9	22.4	150.1	61.5	91.4	30.2

HEAD REDUNDANT PEAK ACCELERATIONS (SAE CLASS 1000 Filtered)

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Head CG	X	G's	4.6	200.0	-18.0	58.7	3.0	36.9	-14.7	75.1
Head CG	Y	G's	24.0	43.5	-7.6	178.2	29.6	74.1	-10.3	124.9
Head CG	Z	G's	9.1	38.6	-16.4	46.8	19.0	45.3	-27.9	69.1
Head CG Resultant	N/A	G's	29.3	52.0			40.0	71.9		

HEAD REDUNDANT INJURY CRITERIA (SAE CLASS 1000 Filtered)

Location	Driver				Passenger			
	HIC	T ¹	T ²	Avg G	HIC	T ¹	T ²	Avg G
Head CG	85.2	33.9	69.9	22.3	149.7	61.5	91.3	30.2

UPPER NECK PEAK FORCES AND MOMENTS

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Neck Force	X	Newtons	40.0	27.0	-314.3	64.5	238.6	53.7	-64.1	74.9
Neck Force	Y	Newtons	121.7	96.0	-242.1	171.4	130.3	73.8	-554.0	47.8
Neck Force	Z	Newtons	647.7	38.5	-369.6	46.9	855.8	46.2	-599.6	67.9
Neck Force Resultant	N/A	Newtons	652.0	38.5			969.5	46.2		
Neck Moment	X	N•m	15.5	112.2	-50.0	49.9	10.1	42.6	-85.3	71.1
Neck Moment	Y	N•m	25.3	79.4	-18.2	49.4	13.2	53.4	-51.9	73.6
Neck Moment	Z	N•m	29.3	60.6	-10.3	111.8	5.5	87.1	-13.4	126.3
Neck Moment Resultant	N/A	N•m	57.3	50.0			99.3	71.4		

DATA SHEET NO. 6

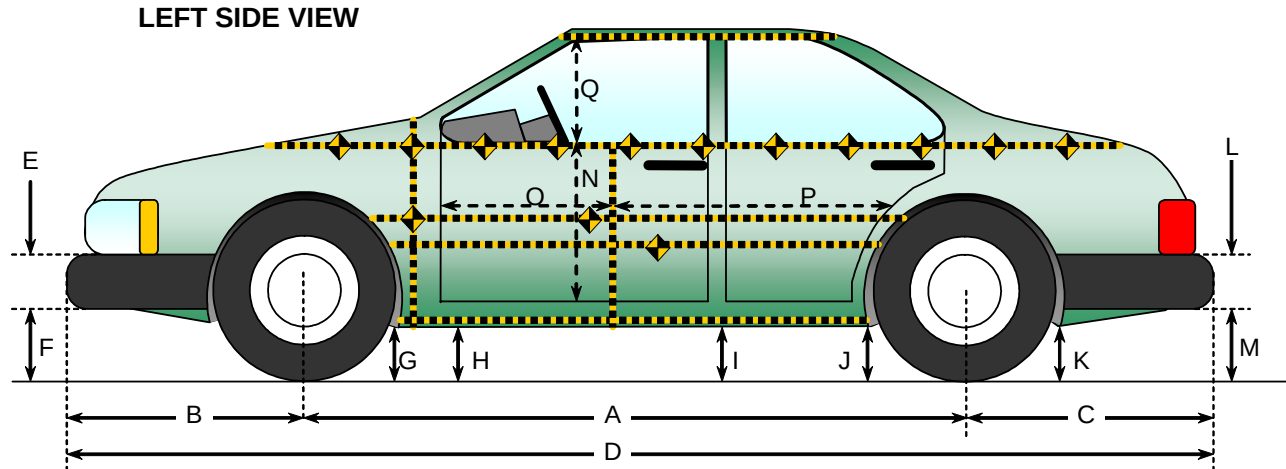
VEHICLE PRE-TEST AND POST-TEST MEASUREMENTS

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04



VEHICLE PRE AND POST-TEST MEASUREMENT INFORMATION

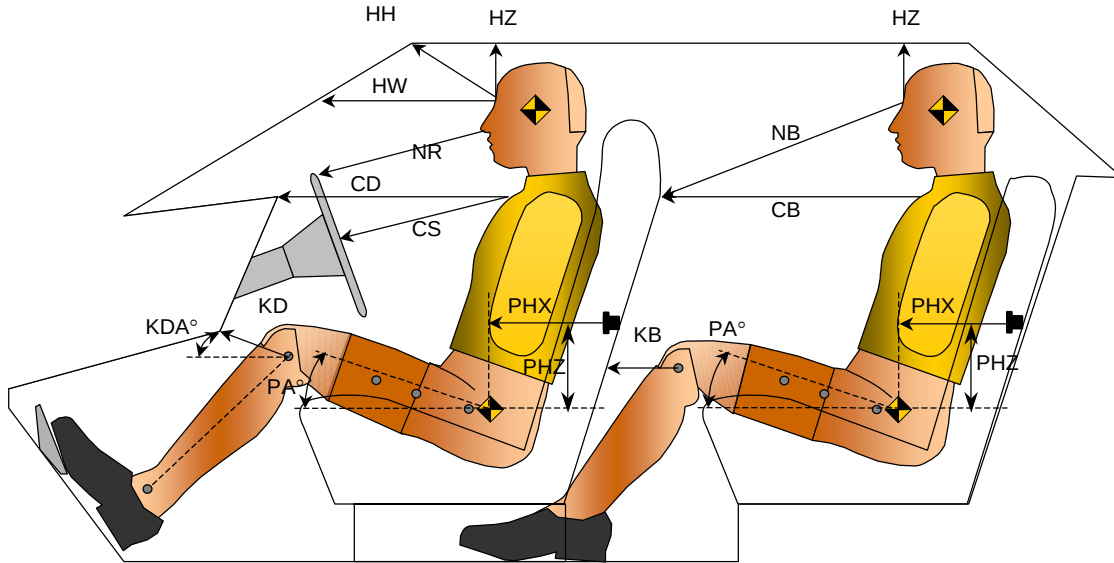
Code	Measurement Description	Pre-Test (mm)	Post-Test (mm)	Difference (mm)
A	Wheelbase	3000	3005	5
B	Front Axle to FSOV	932	970	38
C	Rear Axle to RSOV	1165	1160	-5
D	Total Length at Centerline	5102	5105	3
E	Front Bumper Thickness	490	490	0
F	Front Bumper Bottom to Ground	184	216	32
G	Sill Height at Front Wheel Well	171	206	35
H	Sill Height at Front Door Leading Edge	173	216	43
I	Sill Height at "B" Pillar	187	266	79
J1	Sill Height at Rear Wheel Well	182	261	79
J2	Pinch Weld Height at Rear Wheel Well	189	286	97
K	Sill Height aft of Rear Wheel Well	254	306	52
L	Rear Bumper Thickness	235	235	0
M	Rear Bumper Bottom to Ground	312	366	54
N	Sill Height to Window Bottom Sill	825	735	-90
O	Front Door Leading Edge to Impact CL	880	830	-50
P	Rear Door Trailing Edge to Impact CL	1250	1145	-105
Q	Front Window Opening	517	510	-7
R	Right Side Length	4873	4875	2
S	Left Side Length	4873	4880	7
T	Vehicle Width at "B" Post	1938	1690	-248

DATA SHEET NO. 7

SID/HIII LONGITUDINAL CLEARANCE DIMENSIONS

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
 Test Date: 12/14/04



LONGITUDINAL CLEARANCE DIMENSION INFORMATION

Driver Code	Pass. Code	Measurement Description	Driver		Passenger	
			Length(mm)	Angle	Length(mm)	Angle
HH		Head to Header	485	13.0		
HW		Head to Windshield	715	0.0		
HZ	HZ	Head to Roof	220		200	
NR	NB	Nose to Rim/Nose to Back of Seat	540	14.7	605	20.5
CD	CB	Chest to Dash/Back of Seat	620	1.4	530	2.6
CS		Chest to Steering Wheel	330	6.0		
KDL	KBL	Left Knee to Dash/Seat Back	95	12.6	230	14.1
KDR	KBR	Right Knee to Dash/Seat Back	110		215	
PA	PA	Pelvic Angle		23.0		23.0
PHX	PHX	H-Point to Striker (X-Axis)	340	16.2	375	9.0
PHZ	PHZ	H-Point to Striker (Z-Axis)	70		60	

DATA SHEET NO. 8

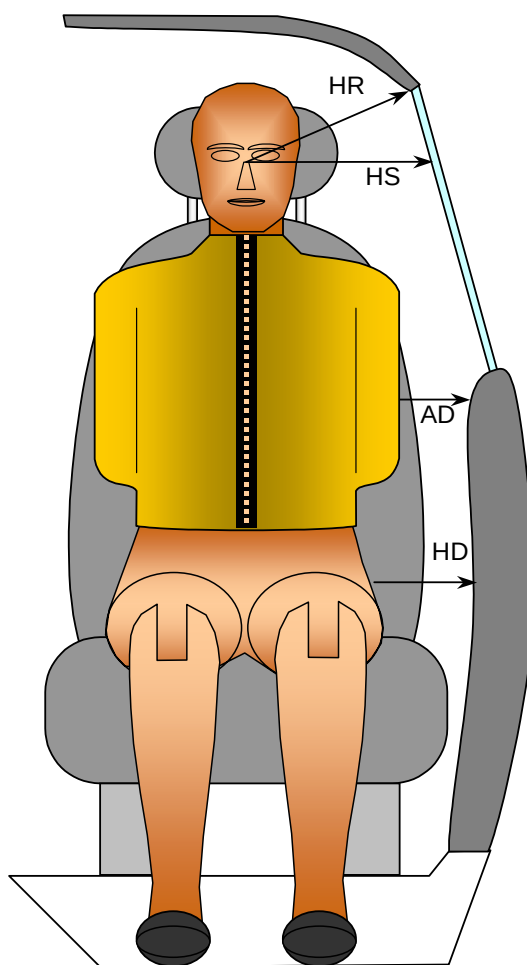
SID/HIII LATERAL CLEARANCE DIMENSIONS

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04



FRONT VIEW OF DUMMY

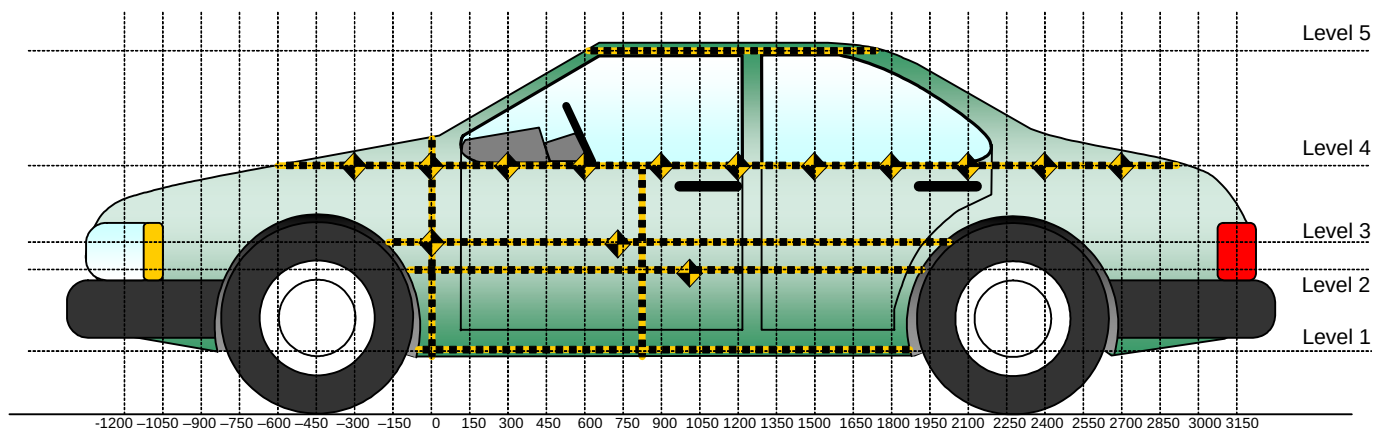
LATERAL CLEARANCE DIMENSION INFORMATION

Code	Measurement Description	Units	Driver	Passenger
HR	Head to Side Header	mm	265	205
HS	Head to Side Window	mm	360	295
AD	Arm to Door	mm	145	155
HD	H-Point to Door	mm	150	205

DATA SHEET NO. 9 **VEHICLE SIDE MEASUREMENTS**

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
 Test Date: 12/14/04



All Measurements Shown in mm

LEFT SIDE VIEW

Measurements are taken with vehicle in the as tested condition.
 Measurements taken 900 mm right of impact reference.
 All measurements below in mm.

Level	Measurement Description	Height Above Ground
1	Sill Top	224
2	Occupant H-Point	679
3	Mid Door	669
4	Window Sill	1024
5	Window Top	1640

DATA SHEET NO. 10
VEHICLE EXTERIOR CRUSH PROFILES

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
 Test Date: 12/14/04

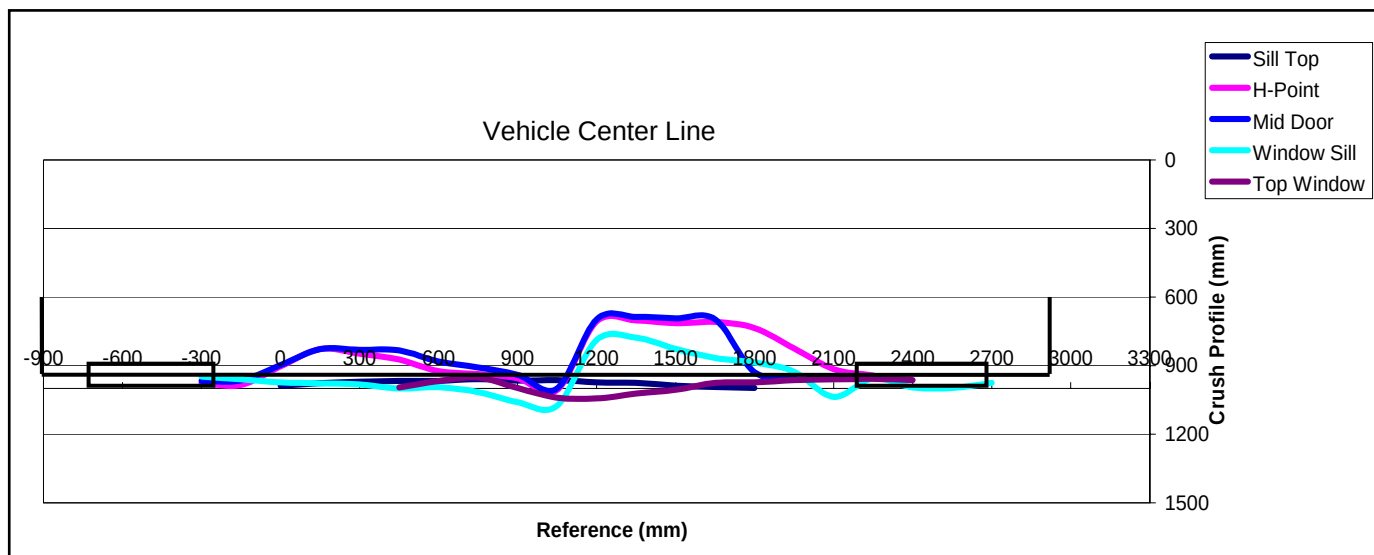
	Pre-Test					Post-Test					Difference				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
-900															
-750															
-600															
-450															
-300		18	18	96			41	51	148			23	33	52	
-150		22	20	91			38	56	131			16	36	40	
0	64	24	24	89		76	121	126	116		12	97	102	27	
150	63	24	24	84		86	196	196	106		23	172	172	22	
300	61	24	22	83		91	176	191	101		30	152	169	18	
450	58	24	19	76	381	91	151	186	76	386	33	127	167	0	5
600	58	20	18	74	344	91	96	136	80	376	33	76	118	6	32
750	55	18	17	71	328	96	81	109	56	376	41	63	92	-15	48
900	57	17	16	68	334	91	61	76	8	336	34	44	60	-60	2
1050	54	18	16	67	326	91	11	16	-9	286	37	-7	0	-76	-40
1200	54	18	17	64	324	81	311	319	276	281	27	293	302	212	-43
1350	51	18	18	64	318	76	316	331	286	296	25	298	313	222	-22
1500	54	20	19	63	319	66	306	326	236	314	12	286	307	173	-5
1650	54	20	19	63	321	61	311	321	196	346	7	291	302	133	25
1800	54	21	20	63	321	56	286	91	176	348	2	265	71	113	27
1950	51	20	20	63	324	56	196	76	136	361	5	176	56	73	37
2100	52	17	16	63	326	48	101	69	26	366	-4	84	53	-37	40
2250		14	10	66	326		71	59	111	368		57	49	45	42
2400				76	334				112	371				5	37
2550				74					111					37	
2700				76					106					30	
2850															
3000															

Measurements are taken from fixed reference 1000 mm from vehicle centerline.

DATA SHEET NO. 10...(CONTINUED)
VEHICLE EXTERIOR CRUSH PROFILES

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
 Test Date: 12/14/04



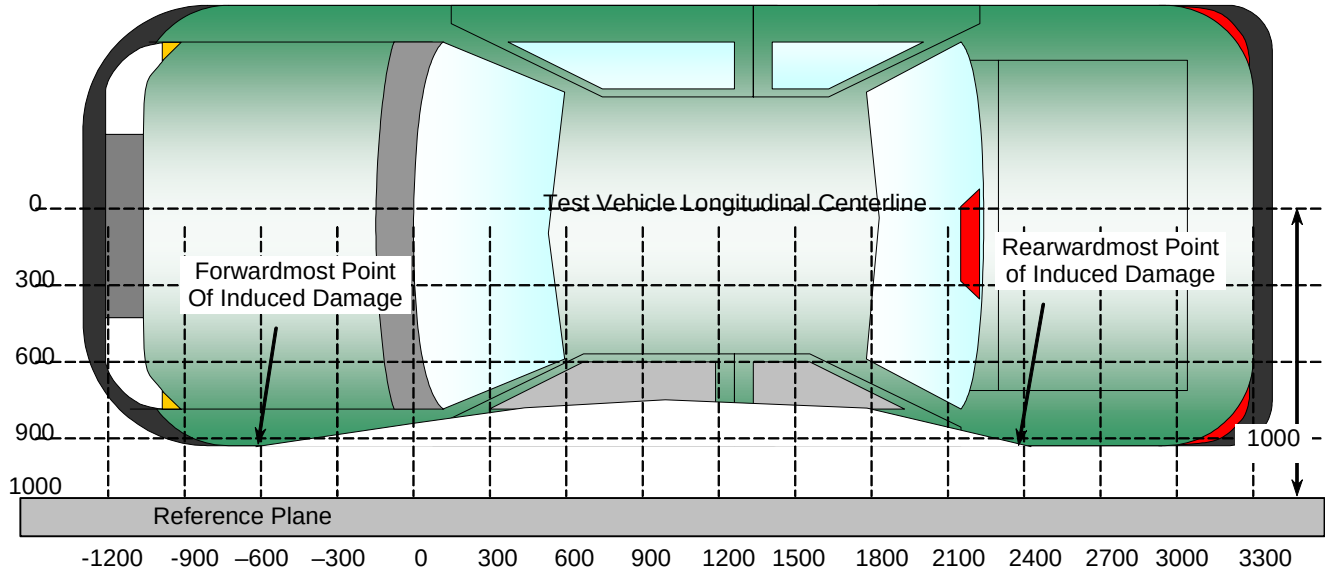
	Units	Level 1	Level 2	Level 3	Level 4	Level 5
Maximum Crush	mm	41	298	313	222	48
Distance from Impact	mm	750	1350	1350	1350	750

DATA SHEET NO. 11

VEHICLE DAMAGE PROFILE DISTANCES

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
 Test Date: 12/14/04



All Dimensions Shown in millimeters

TOP VIEW

DAMAGE PROFILE DISTANCES

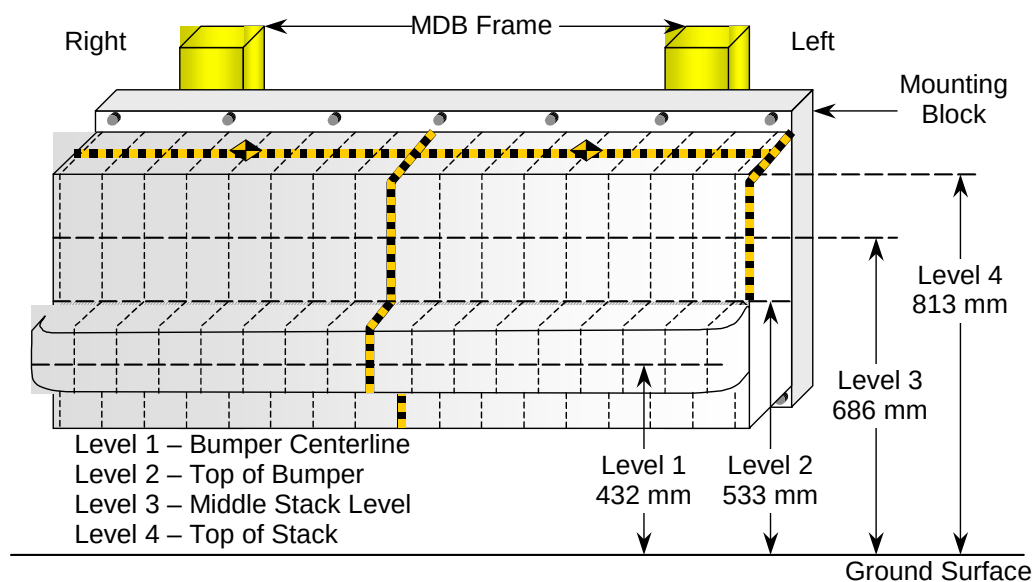
DPD	Distance From Impact Point in mm	Level	Pre-Test (mm)	Post-Test (mm)	Max. Static Crush (mm)
1	300	3	22	191	169
2	600	3	18	136	118
3	900	3	16	76	60
4	1200	3	17	319	302
5	1500	3	19	326	307
6	1800	2	21	286	265

DATA SHEET NO. 12

DEFORMABLE BARRIER HONEYCOMB FACE STATIC CRUSH

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
 Test Date: 12/14/04



DEFORMABLE BARRIER STATIC CRUSH

Stack Level	Distance Right of Center								C/L	Distance Left of Center							
	800	700	600	500	400	300	200	100		100	200	300	400	500	600	700	800
1	238	223	214	209	203	203	200	203	183	169	178	180	170	164	163	164	181
2	106	99	96	93	92	91	87	81	72	72	71	71	68	67	67	68	86
3	77	56	41	31	26	26	28	46	39	27	19	21	26	36	72	76	102
4	111	66	38	21	20	16	12	21	26	26	26	21	136	56	71	98	126

All Dimensions in mm

DATA SHEET NO. 13

VEHICLE ACCELEROMETER LOCATION AND DATA SUMMARY

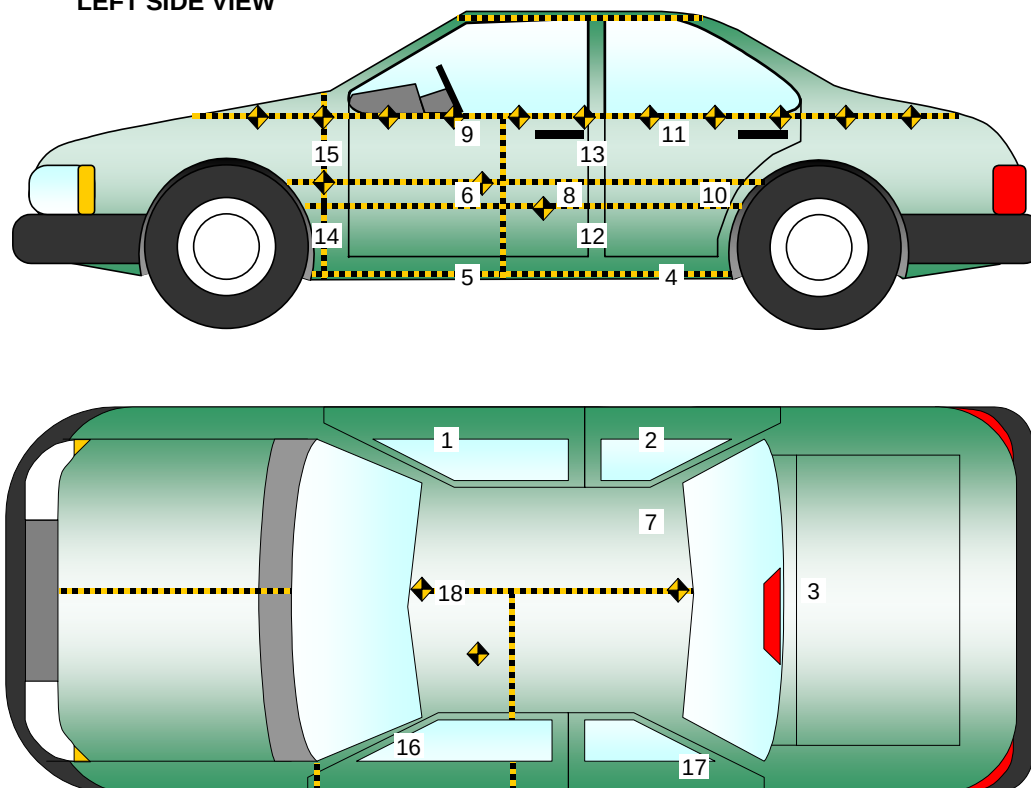
Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

LEFT SIDE VIEW



No.	Location
1	Right Sill at Front Seat
2	Right Sill at Rear Seat
3	Rear Floorpan Above Axle
4	Left Sill at Rear Door
5	Left Sill at Front Door
6	Left Front Door Centerline
7	Right Rear Occupant Compartment
8	Left Front Door Mid-Rear
9	Left Front Door Upper Centerline

No.	Location
10	Left Rear Door Mid-Rear
11	Left Rear Door Upper Centerline
12	Left Lower B-Post
13	Left Middle B-Post
14	Left Lower A-Post
15	Left Middle A-Post
16	Front Seat Track
17	Rear Seat Track or Structure
18	Vehicle CG

DATA SHEET NO. 13...(CONTINUED)
VEHICLE ACCELEROMETER LOCATION AND DATA SUMMARY

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

VEHICLE ACCELEROMETER PEAK DATA AND PRE-TEST LOCATIONS

Loc. No.	Accelerometer Location	Measurements (mm)			Peak Values (G's)				
		X	Y	Z	Axis	Max	Time	Min	Time
1	Right Sill at Front Seat	3350	775	310	X	3.5	70.5	-5.4	9.6
					Y	23.6	5.6	-1.7	152.7
					Z	4.2	30.5	-11.8	9.6
					RES	24.0	5.7		
2	Right Sill at Rear Seat	1900	820	400	X	3.9	31.5	-3.4	11.3
					Y	31.1	6.6	-3.6	11.5
					Z	6.0	36.6	-9.1	14.9
					RES	31.2	6.6		
3	Rear Floorpan Above Axle	620	180	250	X	4.6	70.4	-6.5	17.4
					Y	17.9	21.0	-2.6	121.0
					Z	6.3	7.7	-4.3	27.1
					RES	18.5	20.7		
4	Left Sill at Rear Door	2450	-770	220	Y	72.8	4.7	-24.4	8.9
5	Left Sill at Front Door	3180	-770	200	Y	30.7	6.5	-3.8	93.4
6	Front Door Centerline	3180	-910	750	Y	231.6	7.3	-103.1	11.9
7	Rt. Rear Occ. Compartment	2680	440	380	Y	27.5	5.6	-1.5	150.1
8	Front Door Mid-Rear	2810	-910	780	Y	140.6	8.2	-88.3	23.4
9	Front Door Upper Centerline	3220	-910	960	Y	117.5	21.2	-72.0	26.7
10	Rear Door Mid-Rear	2090	-920	670	Y	148.7	16.1	-157.1	21.0
11	Rear Door Upper Centerline	2200	-920	920	Y	168.0	15.0	-18.3	5.4 ¹
12	B-Post Lower	2640	-870	670	Y	153.7	5.9	-100.8	25.8
13	B-Post Middle	2640	-870	880	Y	140.8	5.0	-75.7	24.4
14	A-Post Lower	3720	-915	590	Y	37.4	3.0	-10.6	29.6
15	A-Post Middle	3720	-915	840	Y	105.0	8.4	-86.1	12.9
16	Front Seat Track	3150	-630	400	Y	18.2	9.2	-5.9	18.8 ²
17	Rear Seat Structure	2400	-680	370	Y	111.4	12.7	-61.5	16.3
18	Vehicle CG	3500	255	310	X	2.5	4.3	-6.2	9.5
					Y	23.5	5.4	-1.6	153.0
					Z	14.1	28.4	-11.2	4.5
					RES	25.7	5.2		

1.) Channel failed at 23.6 msec.

2.) Channel failed at 19.5 msec.

DATA SHEET NO. 14
MDB ACCELEROMETER LOCATION AND DATA SUMMARY

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

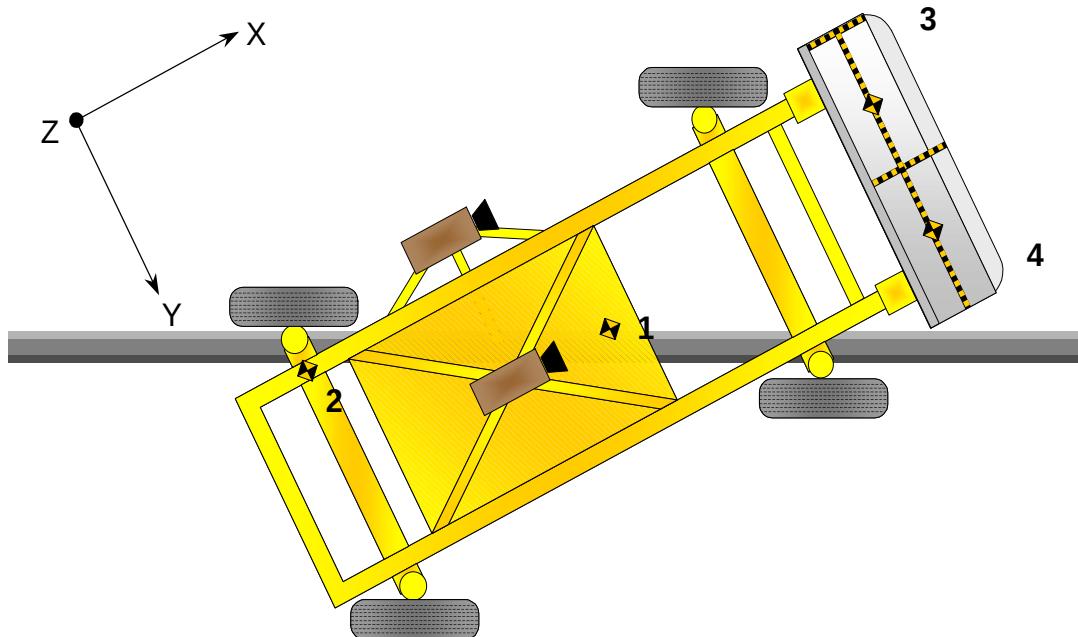
MDB ACCELEROMETER PEAK DATA AND LOCATIONS

Loc. No.	Accelerometer Location	Measurements (mm)			Peak Values (G's)				
		X	Y	Z	Axis	Max	Time	Min	Time
1	MDB CG	-1195	0	430	X	3.7	165.8	-21.5	44.6
					Y	4.6	182.3	-7.7	142.0
					Z	16.2	137.8	-28.3	127.6
					RES	28.4	127.6		
2	MDB Rear	-2642	-593	608	X	2.4	156.8	-21.6	31.1
					Y	4.2	85.1	-4.9	24.5

Reference Points X - MDB Front Axle Y - MDB Centerline Z - Ground Plane

MDB BUMPER CONTACT SWITCH DATA

Loc. No.	Contact Switch Location	Units	Peak and 50% Crossing Point			
			Max	Time	50%	Time
3	MDB Left Bumper (T=0)	% F.S.	100.0	0.0	50.0	0.0
4	MDB Right Bumper	% F.S.	99.8	52.8	50.0	0.0



DATA SHEET NO. 15

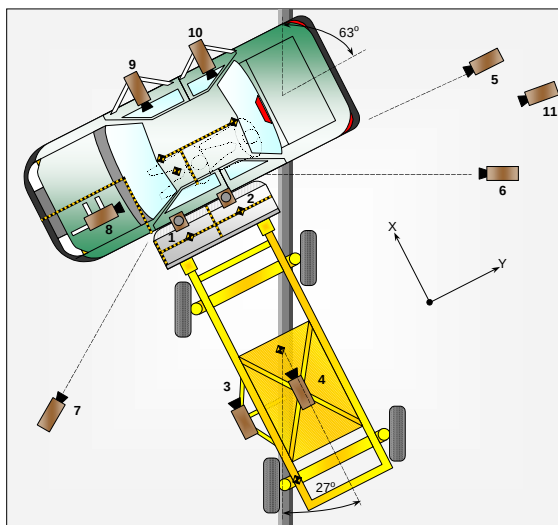
HIGH SPEED CAMERA LOCATIONS AND DATA

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04



No.	Camera View	Location (mm)			Angle (deg.)	Lens (mm)	Film Speed (fps)
		X	Y	Z			
1	Overhead Overall	2438	609	-5486	-90	8	1010
2	Overhead Close Up	1676	-1067	-5486	-90	35	1010
3	Impact Point	0	-2134	-1143	-7	13	620
4	Side Overall	838	-3912	-1829	-11	13	920
5	Rear	15545	228	-1371	-1	35	1050
6	Left Rear	16459	-7188	-939	-1	80	990
7	Left Front	-4775	-2666	-1473	-7	13	1020
8	Driver Front	-660	457	-1372	-20	19	890
9	Driver Side	737	1753	-1219	-5	6	1020
10	Rear Passenger	1422	1753	-1219	-5	6	1000
11	Real Time Digital	22860	3658	-1727	-5		30

Additional Cameras

1	Real Time Digital	16459	-7100	-839	0		30
2	Real Time Digital	-4700	-2600	-1473	-1		30
3	Left Front	-4650	-2652	-1603	-2	15-60	1000
4	Driver Front	-406	457	-1270	-20	13	1000
5	Driver Side	508	1753	-1219	-5	13	1000
6	Rear Passenger	1321	1753	-1219	-5	13	1000

DATA SHEET NO. 16

FMVSS 301 FUEL SYSTEM INTEGRITY POST-IMPACT DATA

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04

Test Time: 1:46 PM

Temperature: 20.0 Deg. C.

Stoddard Solvent Spillage Measurements

- A. From impact until vehicle motion ceases: 0.0 oz.
(Maximum Allowable = 1 ounce)
- B. For the 5 minute period after motion ceases: 0.0 oz.
(Maximum Allowable = 5 ounces)
- C. For the following 25 minutes: 0.0 oz.
(Maximum Allowable = 1 oz./minute)
- D. Spillage Details: No leakage occurred

DATA SHEET NO. 17

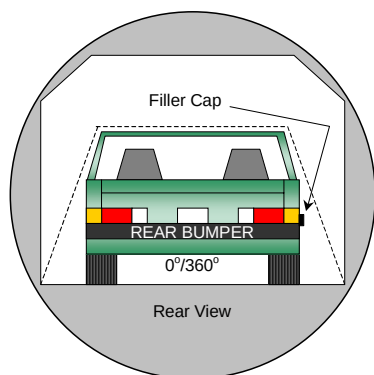
FMVSS 301 STATIC ROLLOVER DATA SHEET

Test Vehicle: 2005 Honda Odyssey 5-Door MPV

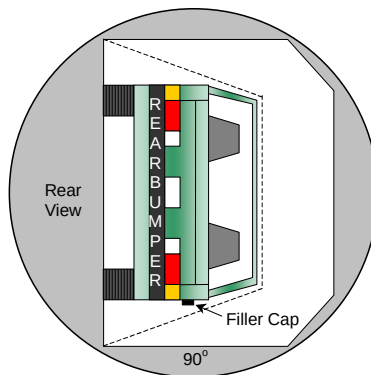
NHTSA No.: M55303

Test Program: 55/28 km/h Side Impact NCAP

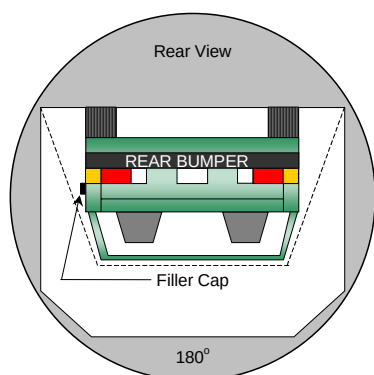
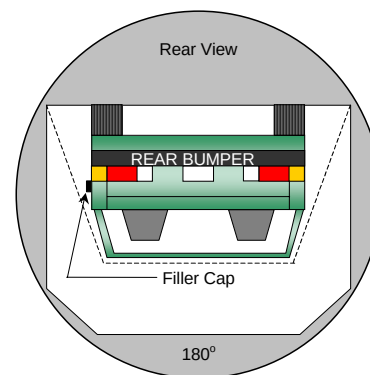
Test Date: 12/14/04



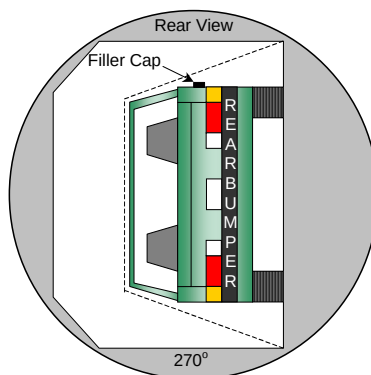
0° TO 90°



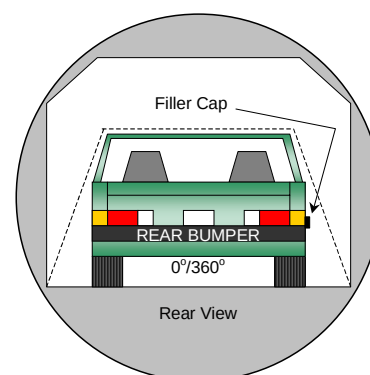
90° TO 180°



180° TO 270°



270° TO 360°



1. The specified fixture rollover rate for each 90° of rotation is 60 to 120 seconds.
2. The position hold time at each position is 300 seconds (minimum).
3. Details of Stoddard Solvent spillage locations.

No solvent leakage occurred during static rollover testing.

DATA SHEET NO. 17...(CONTINUED)
FMVSS 301 STATIC ROLLOVER DATA SHEET

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

NHTSA No.: M55303
 Test Date: 12/14/04

SOLVENT COLLECTION TIME TABLE IN SECONDS

Test Phase	Rotation Time	Hold Time	Total Time
0° to 90°	84	300	384
90° to 180°	83	300	383
180° to 270°	88	300	388
270° to 360°	78	300	378

FMVSS 301 SPILLAGE TABLE REQUIREMENT (oz.)

First 5 Minutes	5.0
Sixth Minute	1.0
Seventh Minute	1.0
Eighth Minute	1.0

Test Phase	First 5 Minutes	Sixth Minute	Seventh Minute	Eighth Minute
0° to 90°	0	0	0	0
90° to 180°	0	0	0	0
180° to 270°	0	0	0	0
270° to 360°	0	0	0	0

SOLVENT SPILLAGE LOCATION TABLE

Test Phase	Spillage Location
0° to 90°	None
90° to 180°	None
180° to 270°	None
270° to 360°	None

APPENDIX A
PHOTOGRAPHS

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A-51	Pre-Test Passenger Dummy Right Side View	A-51
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Figure A-1: Left Front $\frac{3}{4}$ View, as Received



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

MFD. BY HONDA MFG. OF ALABAMA, LLC 10/'04
GVWR 2700KG (5952LBS) TIRE SIZE RIM SIZE
GAWR F 1285KG (2833LBS) 235/65R16 103T 16X7J
GAWR R 1450KG (3197LBS) 235/65R16 103T 16X7J

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY AND THEFT PREVENTION STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE. V.I.N.: 5FNRL38215B018330 TYPE:MPV



SHJ 5 AB8 - NH662P - F - B

Figure A-3: Manufacturer's Label



Figure A-4: Tire Placard



Figure A-5: Pre-Test Front View



Figure A-6: Post-Test Front View



Figure A-7: Pre-Test Left Front 3/4 View



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



Figure A-9: Pre-Test Left Side View



Figure A-10: Post-Test Left Side View (Vehicle Moved)



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



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



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 3/4 View



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





Figure A-22: Post-Test Overhead View

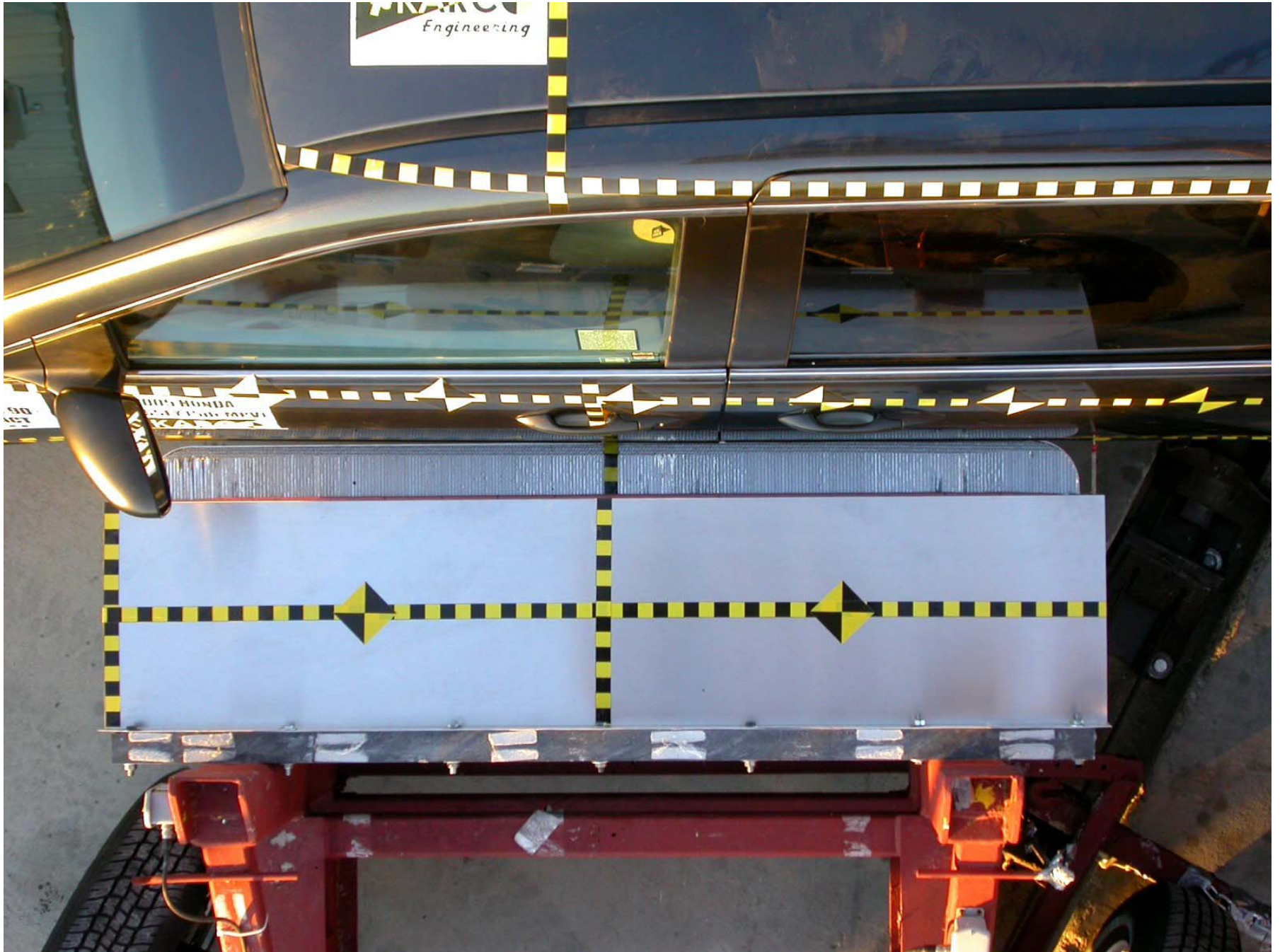


Figure A-23: Pre-Test Overhead Close-up View



Figure A-24: Post-Test Overhead Close-up View



Figure A-25: Pre-Test Left Impact Point

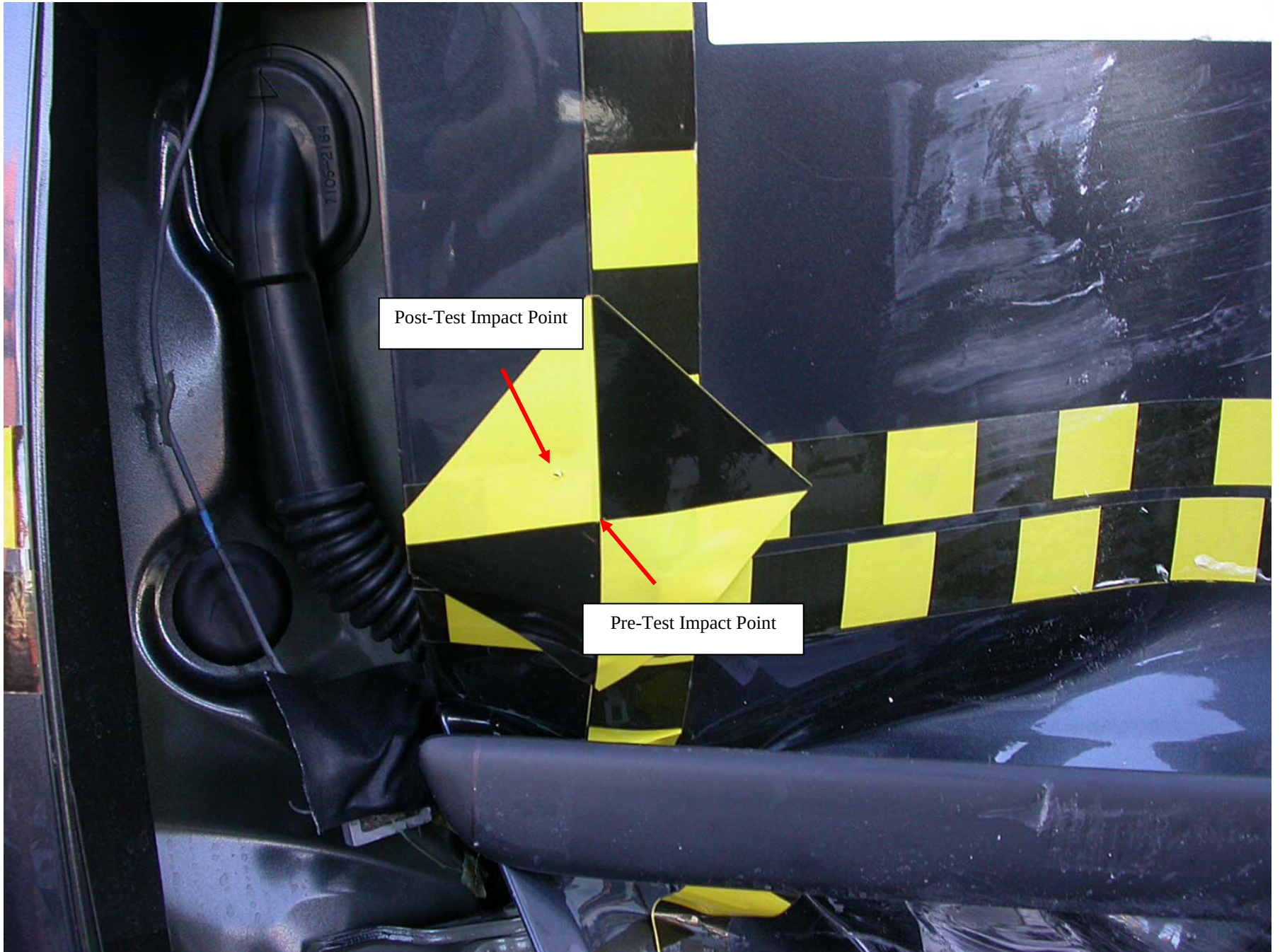


Figure A-26: Post-Test Left Impact Point

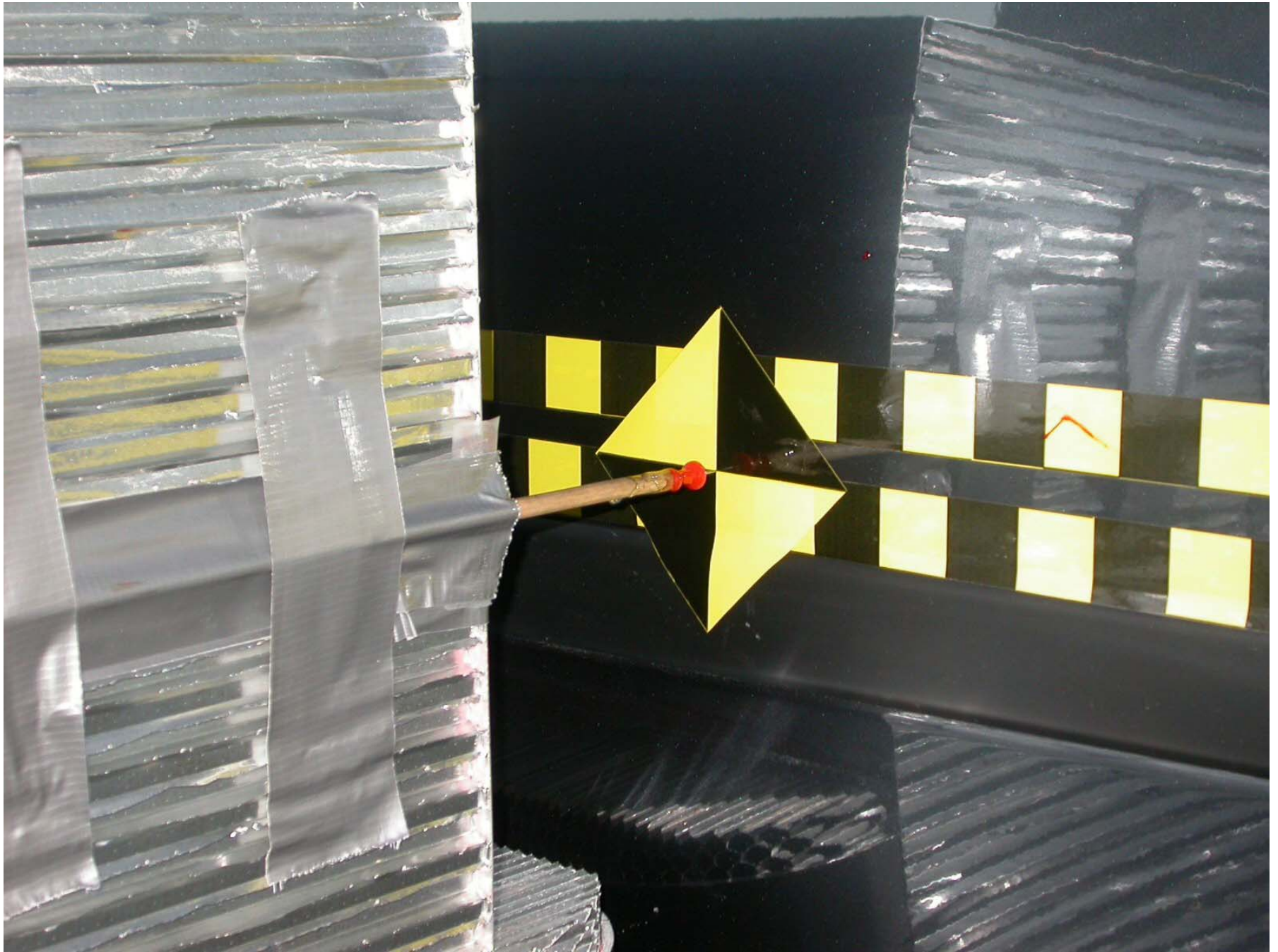


Figure A-27: Pre-Test Right Impact Point

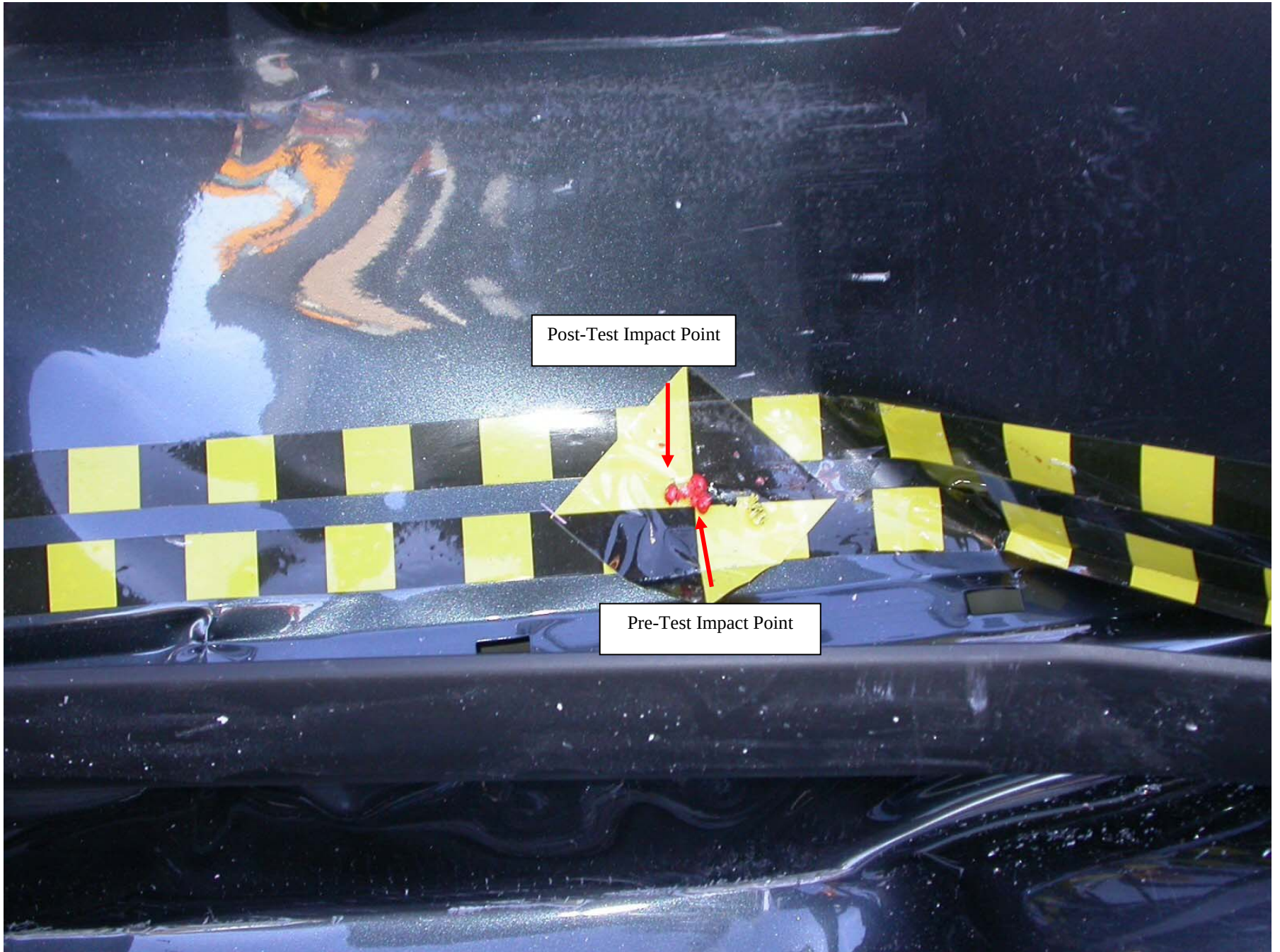


Figure A-28: Post-Test Right Impact Point



Figure A-29: Pre-Test Front $\frac{3}{4}$ View of Left Side Doors



Figure A-30: Post-Test Front $\frac{3}{4}$ View of Left Side Doors (Vehicle Moved)



Figure A-31: Pre-Test Rear $\frac{3}{4}$ View of Left Side Doors



Figure A-32: Post-Test Rear ¾ View of Left Side Doors (Vehicle Moved)



Figure A-33: Pre-Test Left Front Door



Figure A-34: Post-Test Left Front Door



Figure A-35: Pre-Test Left Rear Door



Figure A-36: Post-Test Left Rear Door



Figure A-37: Pre-Test Driver Dummy (Door Open)

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Figure A-38: Pre-Test Driver Dummy (Through Window)



Figure A-39: Post-Test Driver Dummy (Through Window)



Figure A-40: Pre-Test Driver Dummy Clearance From Door



Figure A-41: Post-Test Driver Dummy Clearance From Door



Figure A-42: Pre-Test Driver Dummy Right Side View



Figure A-43: Post-Test Driver Dummy Right Side View



Figure A-44: Pre-Test Front Door Panel (Interior)



Figure A-45: Post-Test Front Door Panel (Interior)



Figure A-46: Pre-Test Passenger Dummy Left Side (Door Open)

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Figure A-47: Pre-Test Passenger Dummy Left Side (Through Window)



Figure A-48: Post-Test Passenger Dummy Left Side (Through Window)



Figure A-49: Pre-Test Passenger Dummy Clearance From Door



Figure A-50: Post-Test Passenger Dummy Clearance From Door



Figure A-51: Pre-Test Passenger Dummy Right Side View



Figure A-52: Post-Test Passenger Dummy Right Side View



Figure A-53: Pre-Test Rear Door Panel (Interior)



Figure A-54: Post-Test Rear Door Panel (Interior)



Figure A-55: Pre-Test Front View of Deformable Barrier



Figure A-56: Post-Test Front View of Deformable Barrier

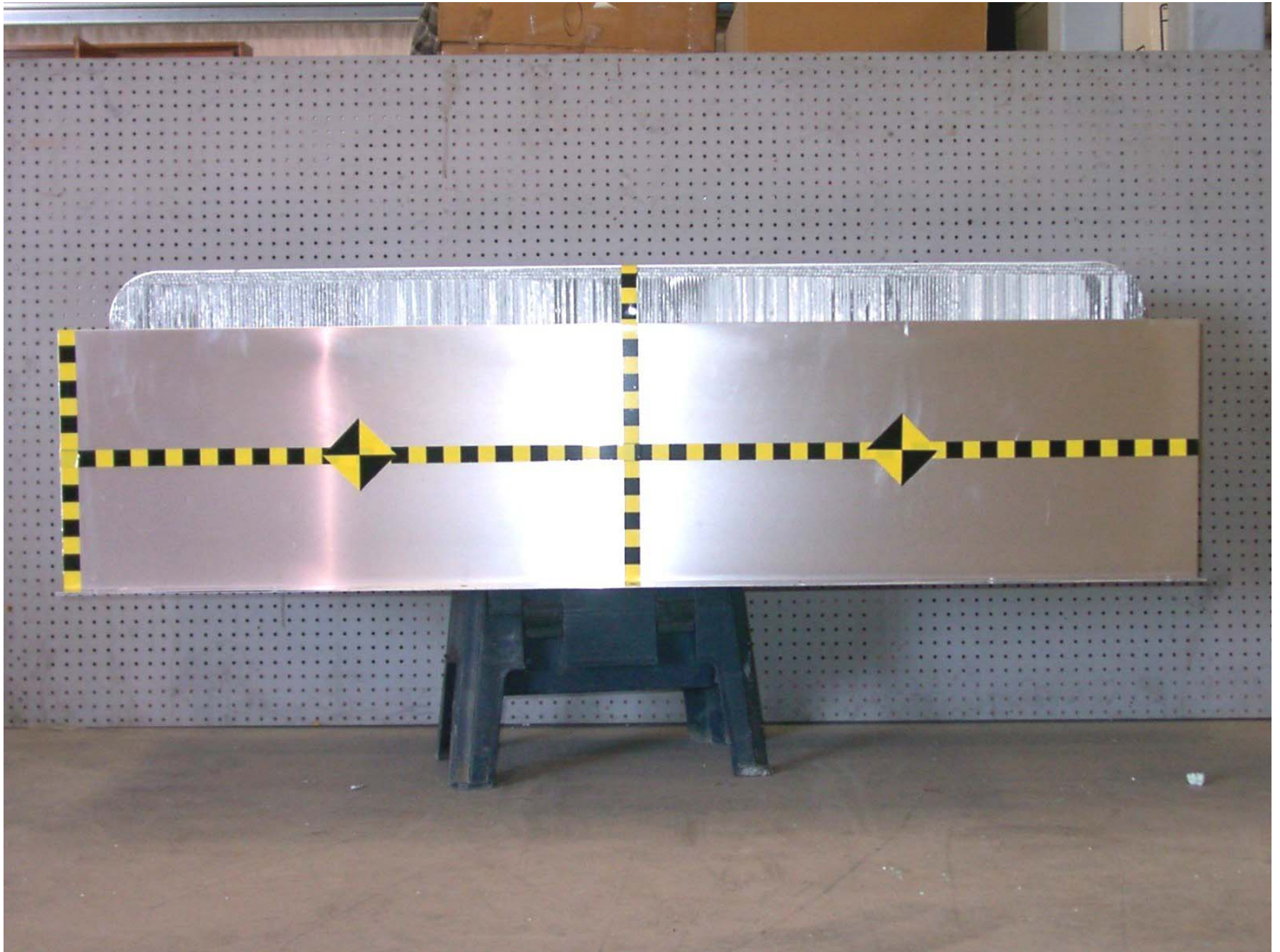


Figure A-57: Pre-Test Top View of Deformable Barrier



Figure A-58: Post-Test Top View of Deformable Barrier



Figure A-59: Pre-Test Right Side View of Deformable Barrier



Figure A-60: Post-Test Right Side View of Deformable Barrier



Figure A-61: Pre-Test Left Side View of Deformable Barrier



Figure A-62: Post-Test Left Side View of Deformable Barrier



Figure A-63: Vehicle on Rollover Device (0°)



Figure A-64: Vehicle on Rollover Device (90°)



Figure A-65: Vehicle on Rollover Device (180°)

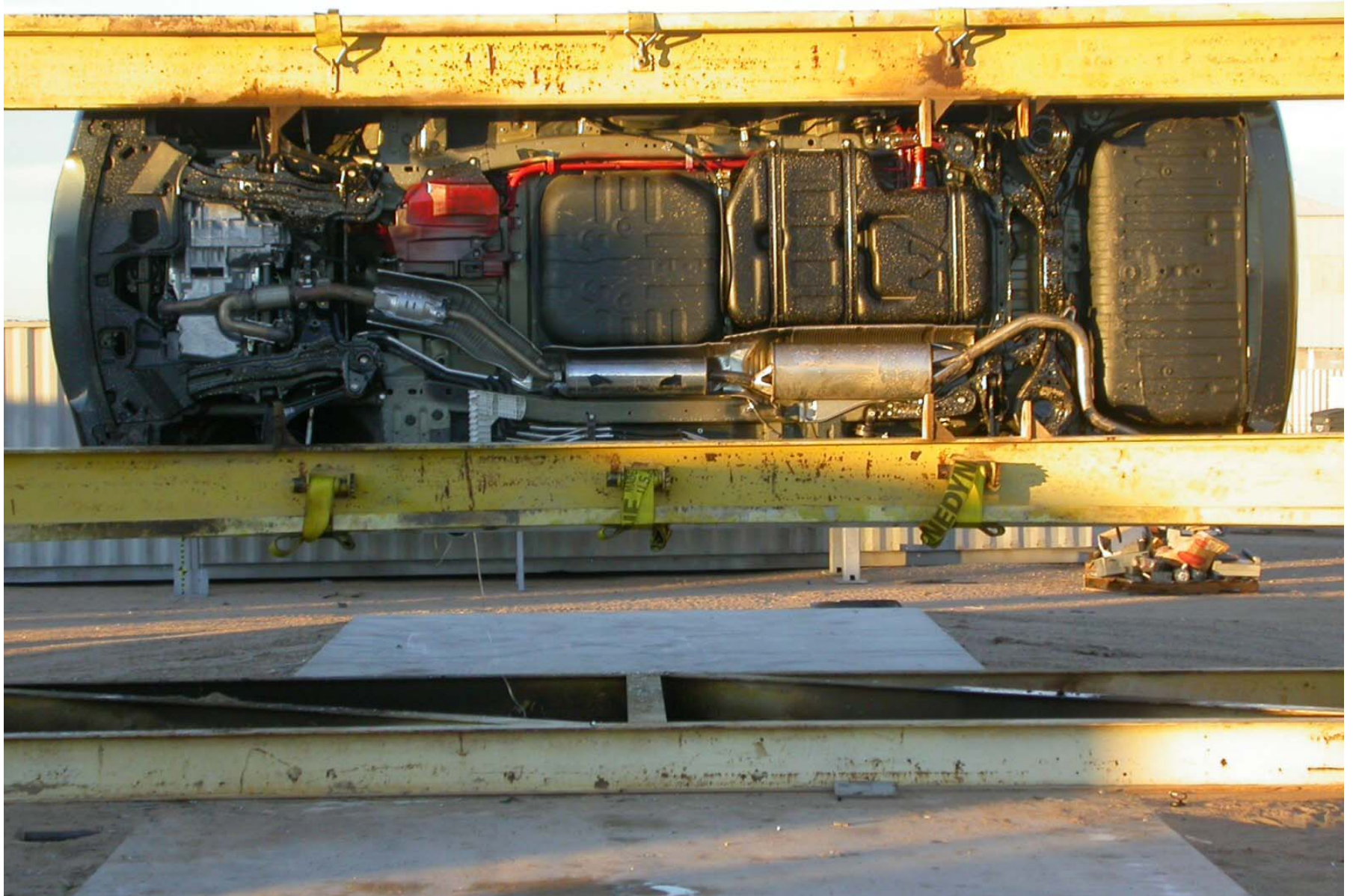


Figure A-66: Vehicle on Rollover Device (270°)



Figure A-67: Vehicle Impact



Figure A-68: Post-Test Driver Door (Unlatched)



Figure A-69: Post-Test Driver Door (Unlatched)



Figure A-70: Post-Test Driver Door (Unlatched)



Figure A-71: Post-Test Passenger Door



Figure A-72: Post-Test Passenger Door



Figure A-73: Post-Test Passenger Door

APPENDIX B

SID/HIII, VEHICLE AND MDB RESPONSE DATA

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	Driver Head Y Primary	B-1
	Driver Head Z Primary	B-1
	Driver Head Resultant Primary	B-1
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	Driver Head Primary Y Velocity	B-2
	Driver Head Primary Z Velocity	B-2
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	Driver Head Y Redundant	B-3
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	Driver Pelvis Primary Y Velocity	B-8
B-9	Driver Upper Rib Redundant Y	B-9
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	Passenger Upper Neck Moment Y	B-17
	Passenger Upper Neck Moment Z	B-17
	Passenger Upper Neck Moment Resultant	B-17
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	Passenger Lower Rib Primary Y	B-18
	Passenger Lower Spine Primary Y	B-18
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	Passenger Lower Spine Primary Y Velocity	B-19
	Passenger Pelvis Primary Y Velocity	B-19

LIST OF DATA PLOTS...(CONTINUED)

Data Plot	Page
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	Passenger Lower Rib Redundant Y
	Passenger Lower Spine Redundant Y
	Passenger Pelvis Redundant Y
B-21	Passenger Upper Rib Redundant Y Velocity
	Passenger Lower Rib Redundant Y Velocity
	Passenger Lower Spine Redundant Y Velocity
	Passenger Pelvis Redundant Y Velocity
B-22	Passenger Thorax Contact
	Passenger Pelvis Contact
B-23	Vehicle Right Sill at Front Seat X
	Vehicle Right Sill at Front Seat Y
	Vehicle Right Sill at Front Seat Z
	Vehicle Right Sill Front Seat Resultant
B-24	Vehicle Right Sill at Front Seat X Velocity
	Vehicle Right Sill at Front Seat Y Velocity
	Vehicle Right Sill at Front Seat Z Velocity
B-25	Vehicle Right Sill at Rear Seat X
	Vehicle Right Sill at Rear Seat Y
	Vehicle Right Sill at Rear Seat Z
	Vehicle Right Sill Rear Seat Resultant
B-26	Vehicle Right Sill at Rear Seat X Velocity
	Vehicle Right Sill at Rear Seat Y Velocity
	Vehicle Right Sill at Rear Seat Z Velocity
B-27	Vehicle Rear Floor Above Axle X
	Vehicle Rear Floor Above Axle Y
	Vehicle Rear Floor Above Axle Z
	Vehicle Rear Floor Above Axle Resultant
B-28	Vehicle Rear Floor Above Axle X Velocity
	Vehicle Rear Floor Above Axle Y Velocity
	Vehicle Rear Floor Above Axle Z Velocity
B-29	Vehicle Left Sill at Rear Door Y
	Vehicle Left Sill at Front Door Y
	Vehicle Left Sill at Rear Door Y Velocity
	Vehicle Left Sill at Front Door Y Velocity

LIST OF DATA PLOTS...(CONTINUED)

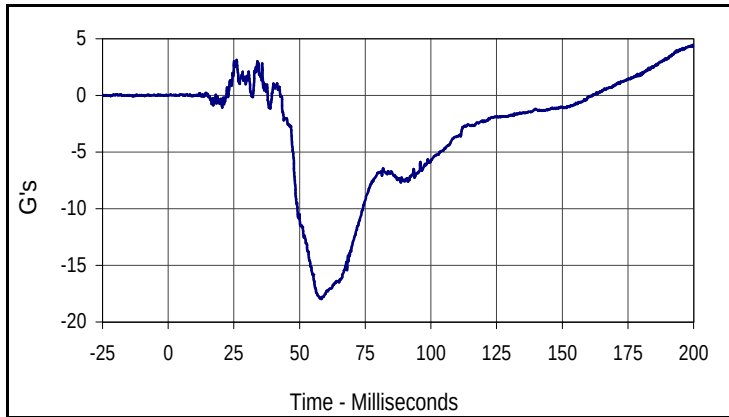
Data Plot	Page
B-30	Vehicle Left Front Door CL Y
	Vehicle Right Rear Occupant Compartment
	Vehicle Left Front Door Mid Rear Y
	Vehicle Left Front Door Upper CL Y
B-31	Vehicle Left Front Door CL Y Velocity
	Vehicle Right Rear Occupant Compartment Y Velocity
	Vehicle Left Front Door Mid Rear Y Velocity
	Vehicle Left Rear Door Upper CL Y Velocity
B-32	Vehicle Left Rear Door Mid Rear Y
	Vehicle Left Rear Door Upper CL Y
	Vehicle Left Rear Door Mid Rear Y Velocity
	Vehicle Left Rear Door Upper CL Y Velocity
B-33	Vehicle B-Post Lower Y
	Vehicle B-Post Middle Y
	Vehicle B-Post Lower Y Velocity
	Vehicle B-Post Middle Y Velocity
B-34	Vehicle A-Post Lower Y
	Vehicle A-Post Middle Y
	Vehicle A-Post Lower Y Velocity
	Vehicle A-Post Middle Y Velocity
B-35	Vehicle Left Front Seat Track
	Vehicle Rear Seat Structure
	Vehicle Left Front Seat Track Y Velocity
	Vehicle Rear Seat Structure Y Velocity
B-36	Vehicle CG X
	Vehicle CG Y
	Vehicle CG Z
	Vehicle CG Resultant
B-37	Vehicle CG X Velocity
	Vehicle CG Y Velocity
	Vehicle CG Z Velocity
B-38	Driver Upper Rib Primary Y
	Driver Lower Rib Primary Y
	Driver Lower Spine Primary Y
	Driver Pelvis Primary Y

LIST OF DATA PLOTS...(CONTINUED)

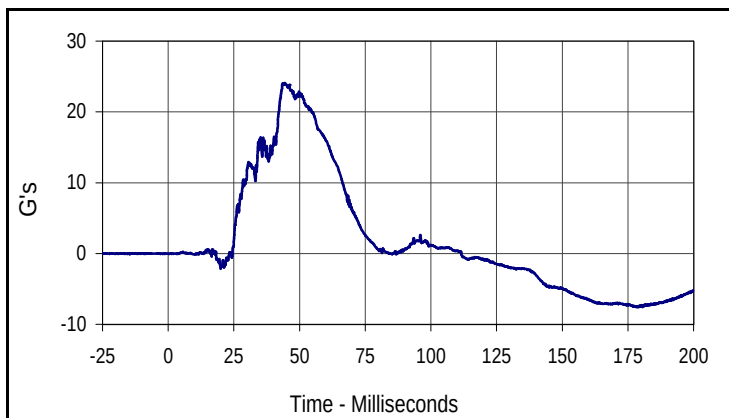
Data Plot	Page
B-39	Driver Upper Rib Redundant Y
	Driver Lower Rib Redundant Y
	Driver Lower Spine Redundant Y
	Driver Pelvis Redundant Y
B-40	Passenger Upper Rib Primary Y
	Passenger Lower Rib Primary Y
	Passenger Lower Spine Primary Y
	Passenger Pelvis Primary Y
B-41	Passenger Upper Rib Redundant Y
	Passenger Lower Rib Redundant Y
	Passenger Lower Spine Redundant Y
	Passenger Pelvis Redundant Y
B-42	MDB CG X
	MDB CG Y
	MDB CG Z
	MDB CG Resultant
B-43	MDB CG X Velocity
	MDB CG Y Velocity
	MDB CG Z Velocity
B-44	MDB Rear X
	MDB Rear Y
	MDB Rear X Velocity
	MDB Rear Y Velocity
B-45	MDB Right Bumper Contact

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

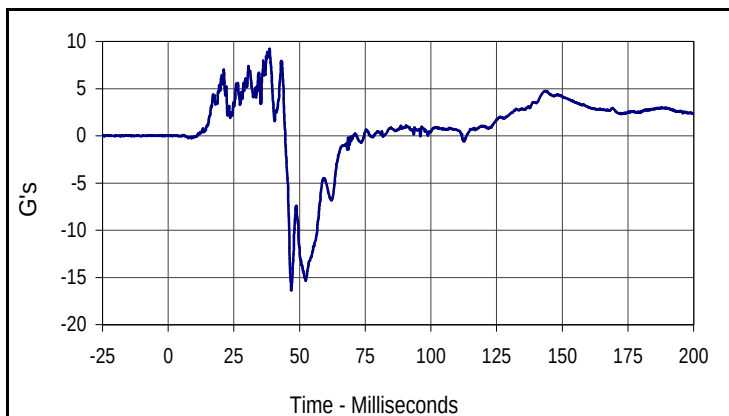
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 NHTSA No.: M55303



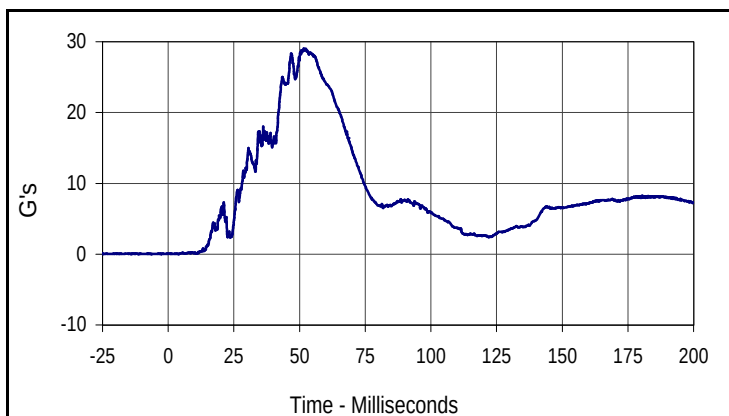
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001	FIL	1000	G's
Max	Time	Min	Time
4.5	200.0	-18.0	58.3



Curve Description			
Driver Head Y Primary			
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002	FIL	1000	G's
Max	Time	Min	Time
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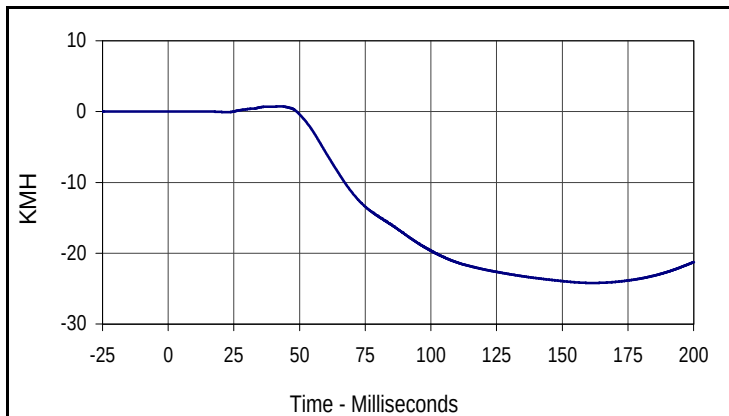
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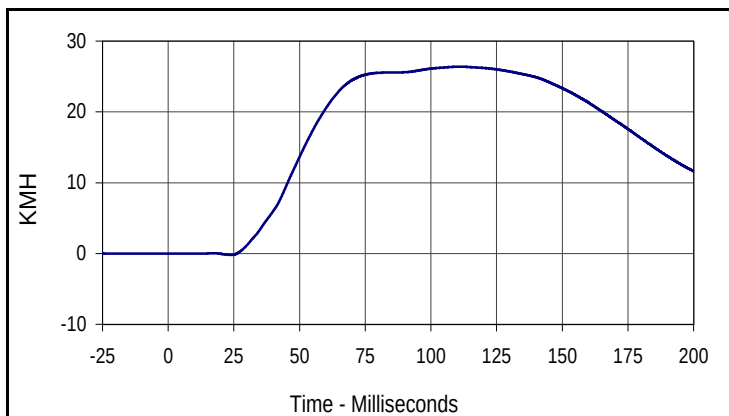
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Driver Head Resultant Primary			
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Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

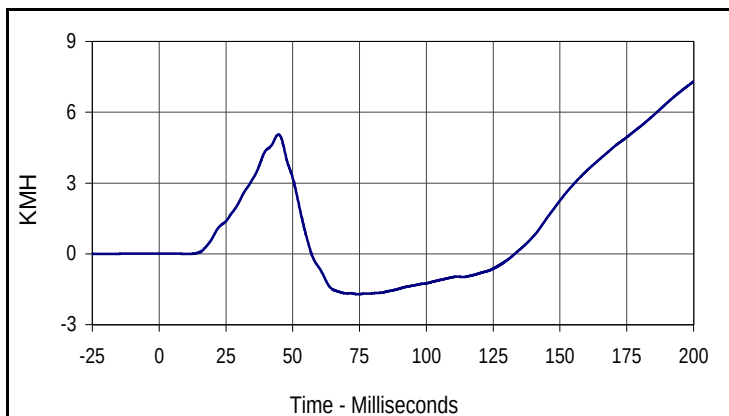
Test Date: 12/14/04
 NHTSA No.: M55303



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Max	Time	Min	Time
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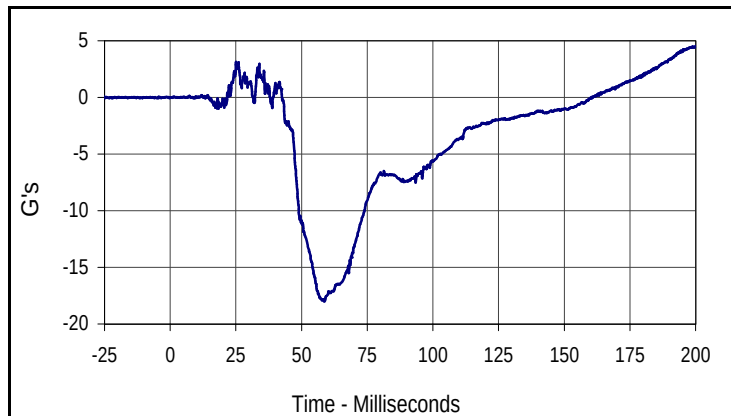
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Driver Head Primary Y Velocity			
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Max	Time	Min	Time
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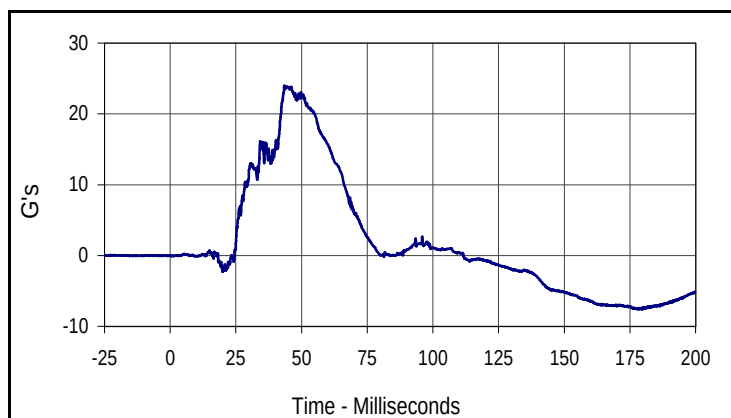
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Max	Time	Min	Time
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Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

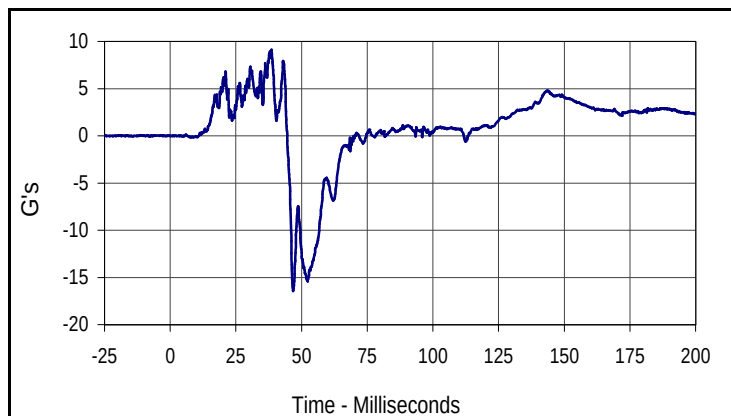
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 NHTSA No.: M55303



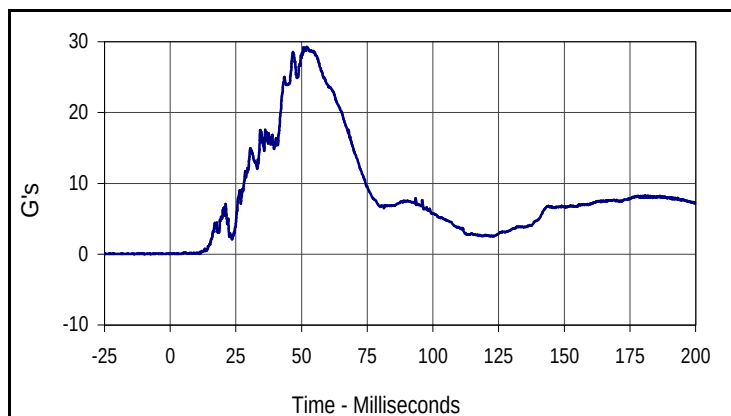
Curve Description			
Driver Head X Redundant			
CURNO	Type	SAE Class	Units
004	FIL	1000	G's
Max	Time	Min	Time
4.6	200.0	-18.0	58.7



Curve Description			
Driver Head Y Redundant			
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Max	Time	Min	Time
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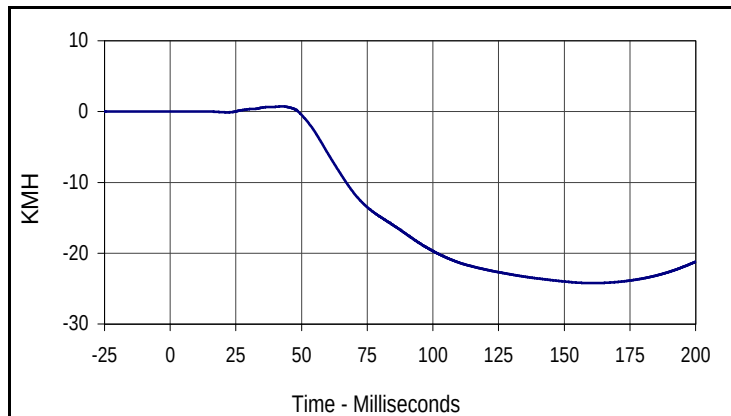
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Driver Head Z Redundant			
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Max	Time	Min	Time
9.1	38.6	-16.4	46.8



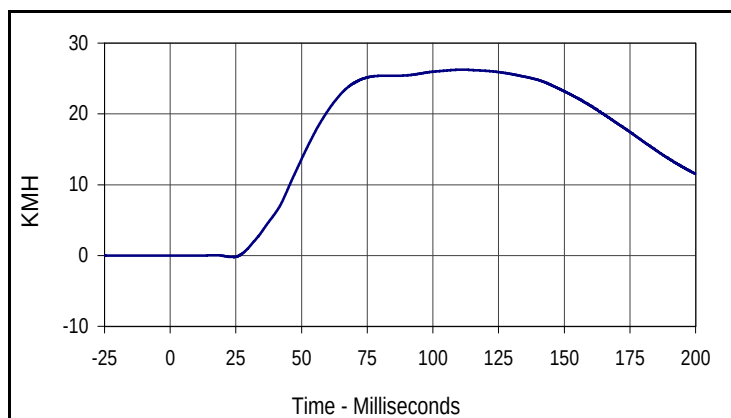
Curve Description			
Driver Head Resultant Redundant			
CURNO	Type	SAE Class	Units
004	RES	1000	G's
Max	Time	Min	Time
29.3	52.0	0.0	2.2

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

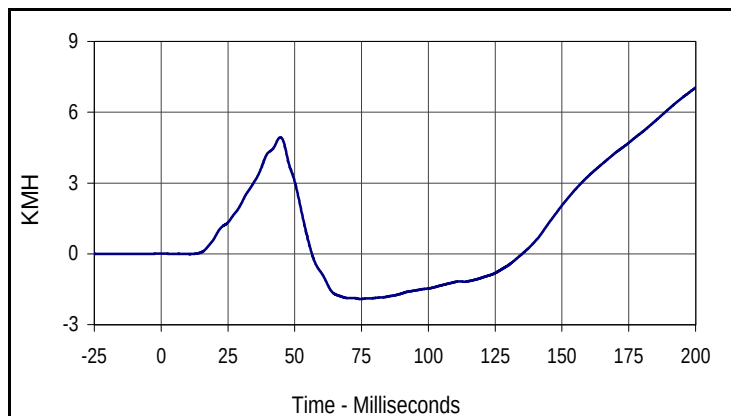
Test Date: 12/14/04
 NHTSA No.: M55303



Curve Description			
Driver Head Redundant X Velocity			
CURNO	Type	SAE Class	Units
004	IN1	180	KMH
Max	Time	Min	Time
0.7	42.7	-24.2	160.6



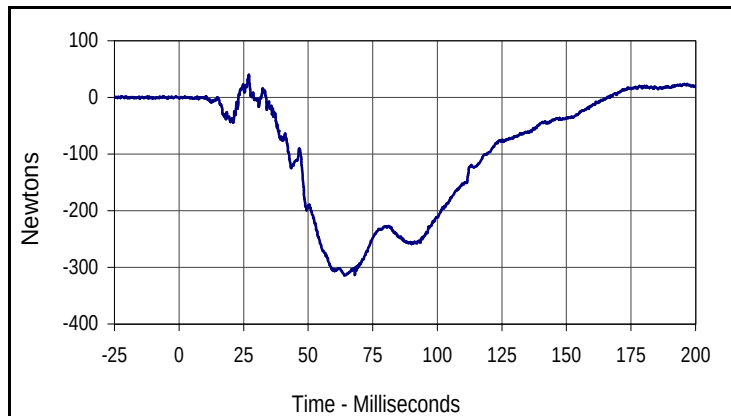
Curve Description			
Driver Head Redundant Y Velocity			
CURNO	Type	SAE Class	Units
005	IN1	180	KMH
Max	Time	Min	Time
26.3	111.5	-0.2	24.2



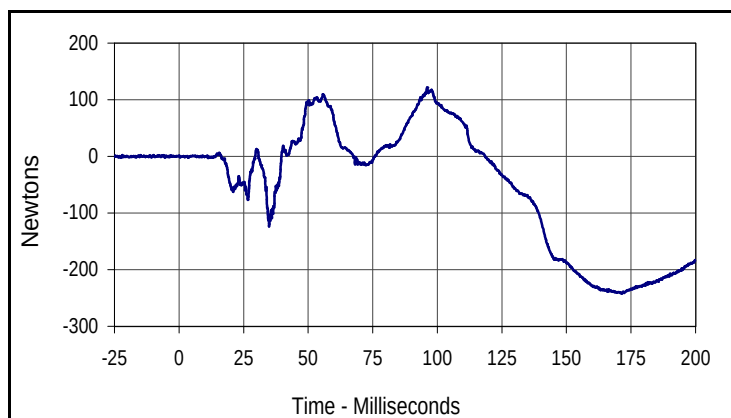
Curve Description			
Driver Head Redundant Z Velocity			
CURNO	Type	SAE Class	Units
006	IN1	180	KMH
Max	Time	Min	Time
7.0	200.0	-1.9	74.6

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

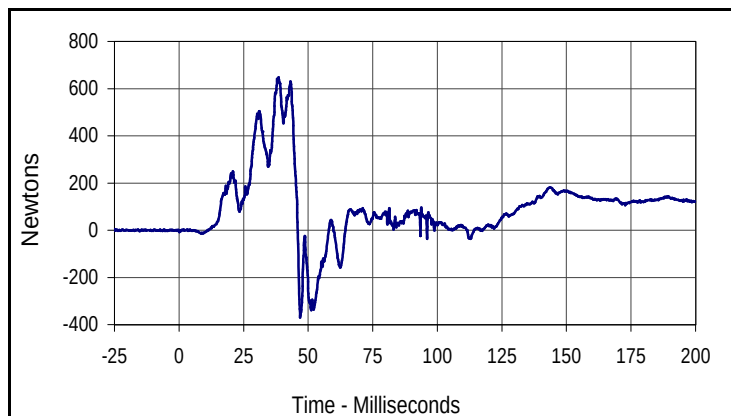
Test Date: 12/14/04
 NHTSA No.: M55303



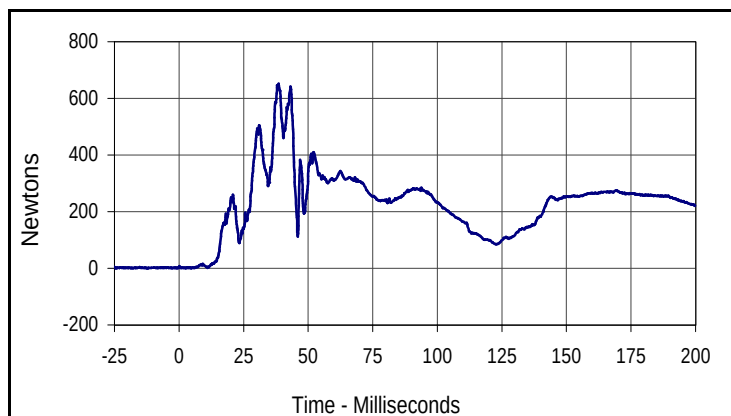
Curve Description			
Driver Upper Neck Force X			
CURNO	Type	SAE Class	Units
007	FIL	1000	Newtons
Max	Time	Min	Time
40.0	27.0	-314.3	64.5



Curve Description			
Driver Upper Neck Force Y			
CURNO	Type	SAE Class	Units
008	FIL	1000	Newtons
Max	Time	Min	Time
121.7	96.0	-242.1	171.4



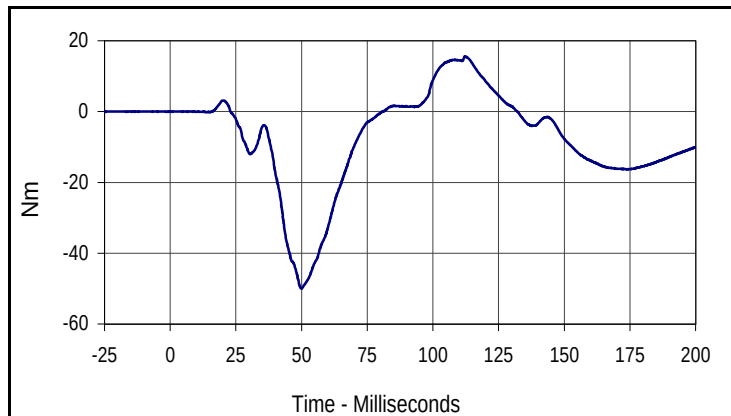
Curve Description			
Driver Upper Neck Force Z			
CURNO	Type	SAE Class	Units
009	FIL	1000	Newtons
Max	Time	Min	Time
647.7	38.5	-369.6	46.9



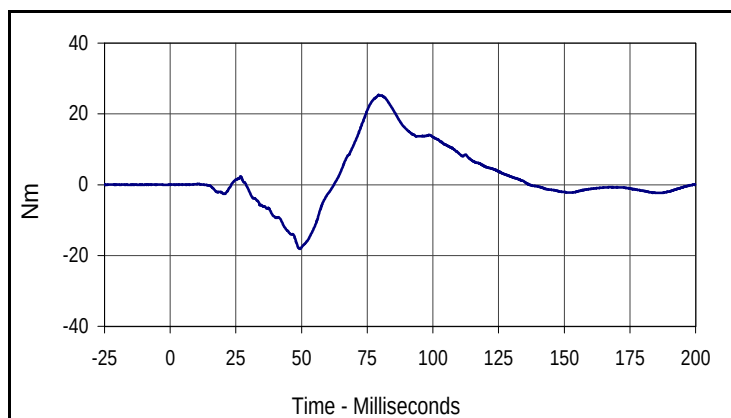
Curve Description			
Driver Upper Neck Force Resultant			
CURNO	Type	SAE Class	Units
007	RES	1000	Newtons
Max	Time	Min	Time
652.0	38.5	0.4	2.8

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

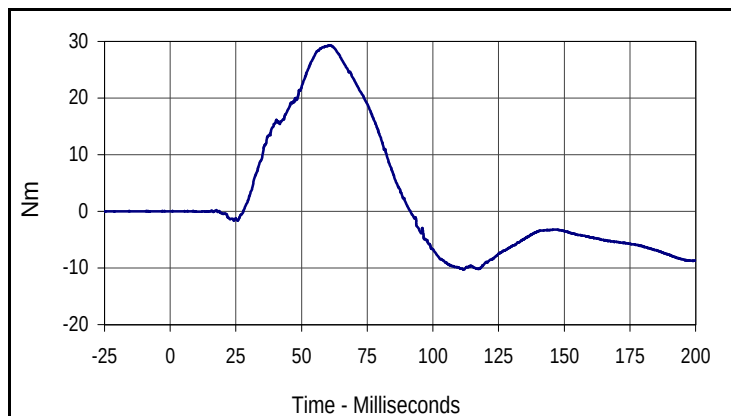
Test Date: 12/14/04
 NHTSA No.: M55303



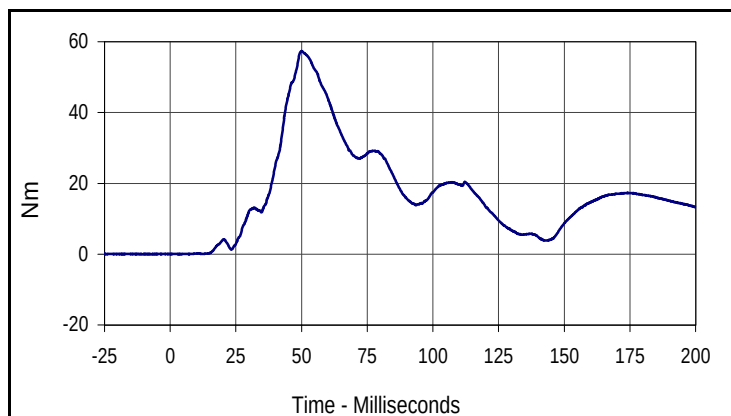
Curve Description			
Driver Upper Neck Moment X			
CURNO	Type	SAE Class	Units
010	FIL	600	Nm
Max	Time	Min	Time
15.5	112.2	-50.0	49.9



Curve Description			
Driver Upper Neck Moment Y			
CURNO	Type	SAE Class	Units
011	FIL	600	Nm
Max	Time	Min	Time
25.3	79.4	-18.2	49.4



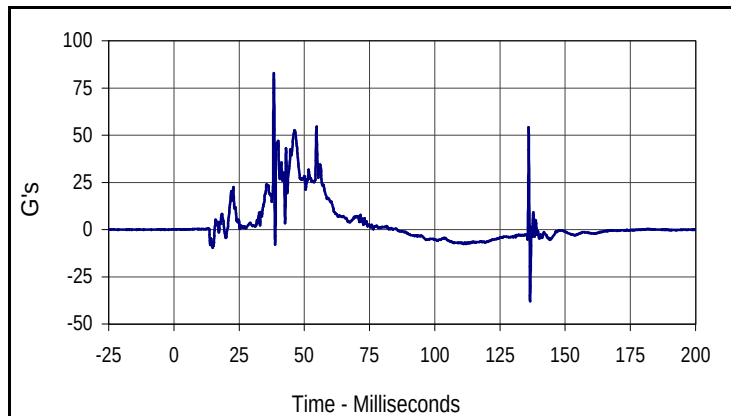
Curve Description			
Driver Upper Neck Moment Z			
CURNO	Type	SAE Class	Units
012	FIL	600	Nm
Max	Time	Min	Time
29.3	60.6	-10.3	111.8



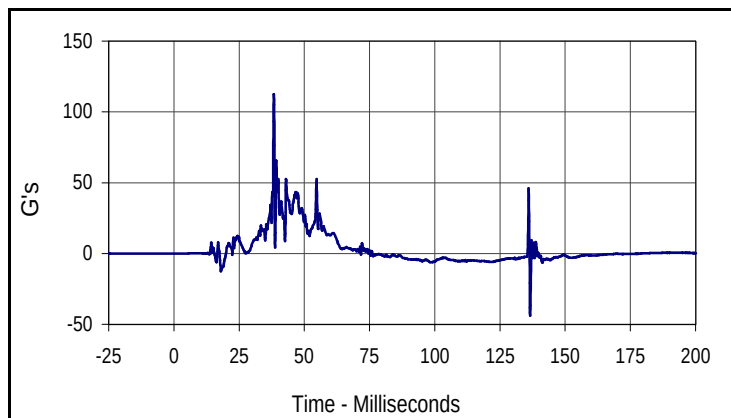
Curve Description			
Driver Upper Neck Moment Resultant			
CURNO	Type	SAE Class	Units
010	RES	600	Nm
Max	Time	Min	Time
57.3	50.0	0.0	3.0

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

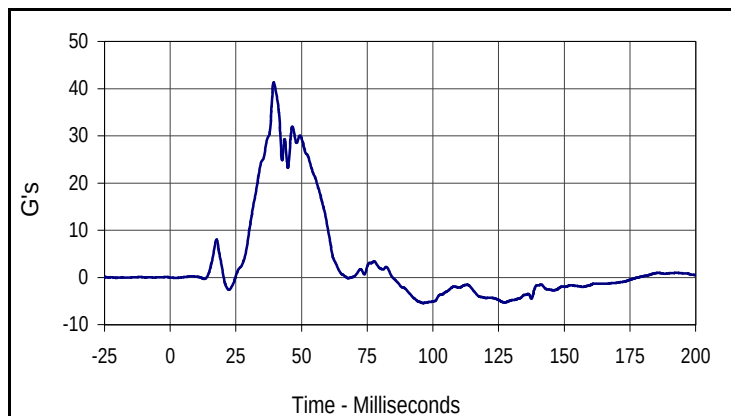
Test Date: 12/14/04
 NHTSA No.: M55303



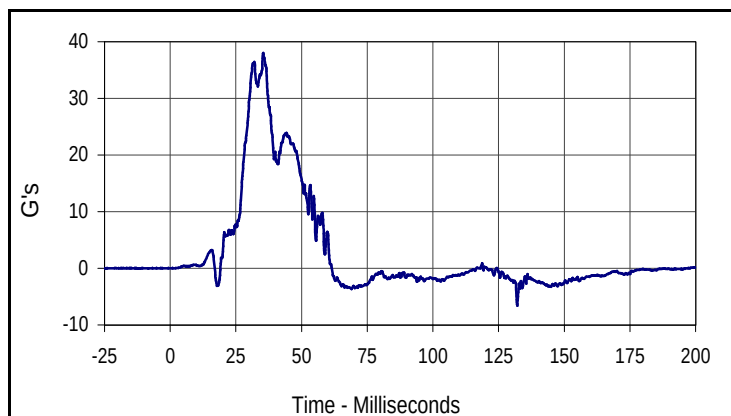
Curve Description			
Driver Upper Rib Primary Y			
CURNO	Type	SAE Class	Units
013	FIL	1000	G's
Max	Time	Min	Time
83.0	38.3	-38.0	136.6



Curve Description			
Driver Lower Rib Primary Y			
CURNO	Type	SAE Class	Units
014	FIL	1000	G's
Max	Time	Min	Time
112.2	38.3	-44.0	136.6



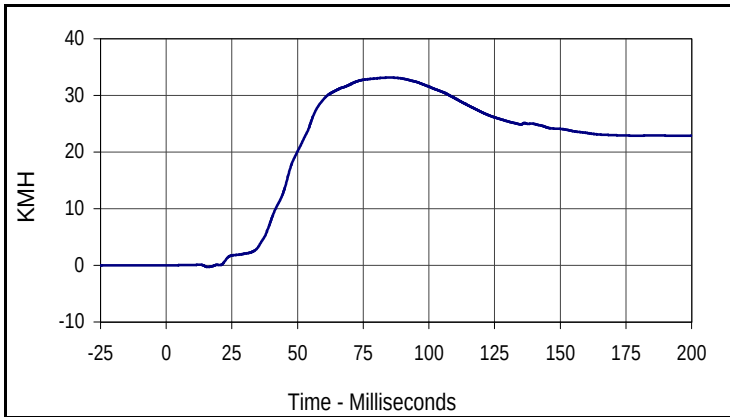
Curve Description			
Driver Lower Spine Primary Y			
CURNO	Type	SAE Class	Units
015	FIL	180	G's
Max	Time	Min	Time
41.3	39.4	-5.4	96.4



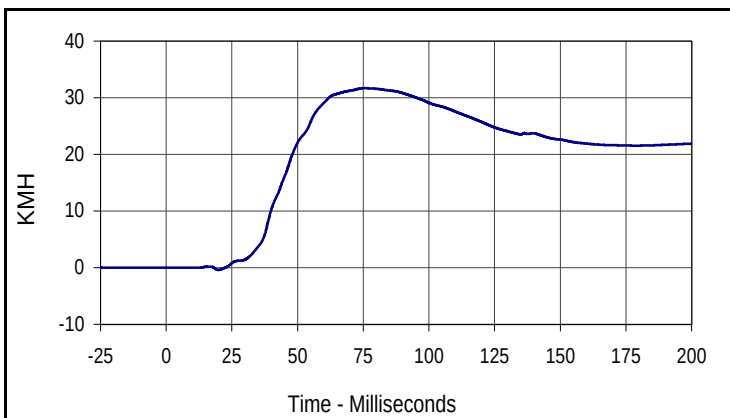
Curve Description			
Driver Pelvis Primary Y			
CURNO	Type	SAE Class	Units
016	FIL	1000	G's
Max	Time	Min	Time
38.0	35.4	-6.6	132.1

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

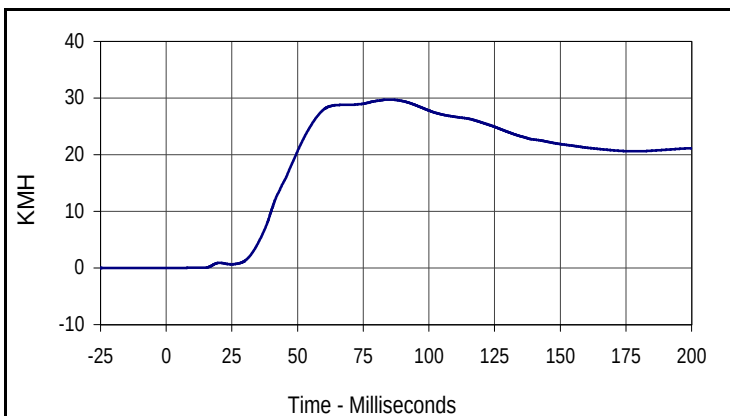
Test Date: 12/14/04
 NHTSA No.: M55303



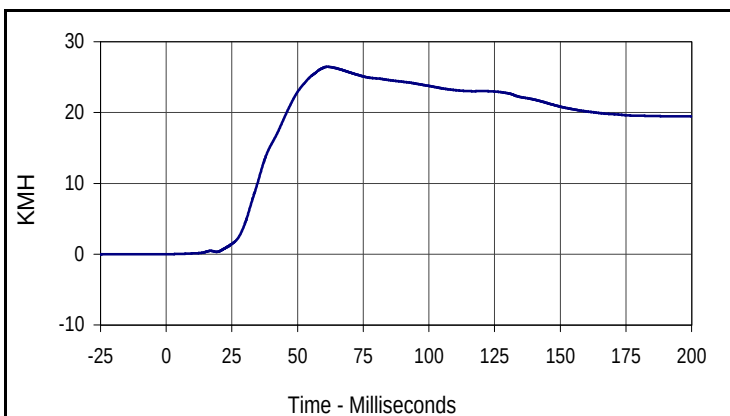
Curve Description			
Driver Upper Rib Primary Y Velocity			
CURNO	Type	SAE Class	Units
013	IN1	180	KMH
Max	Time	Min	Time
33.2	85.5	-0.3	15.8



Curve Description			
Driver Lower Rib Primary Y Velocity			
CURNO	Type	SAE Class	Units
014	IN1	180	KMH
Max	Time	Min	Time
31.7	75.7	-0.4	19.9



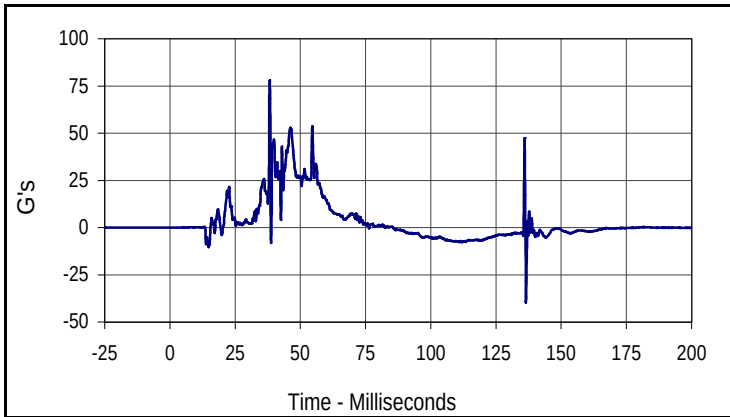
Curve Description			
Driver Lower Spine Primary Y Velocity			
CURNO	Type	SAE Class	Units
015	IN1	180	KMH
Max	Time	Min	Time
29.7	84.6	0.0	4.2



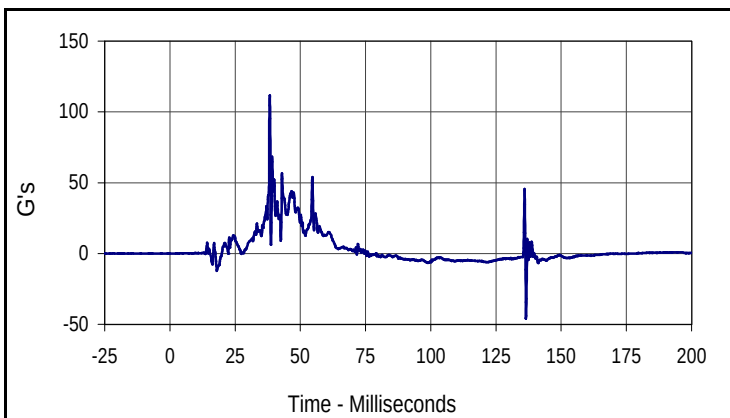
Curve Description			
Driver Pelvis Primary Y Velocity			
CURNO	Type	SAE Class	Units
016	IN1	180	KMH
Max	Time	Min	Time
26.5	61.4	0.0	0.0

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

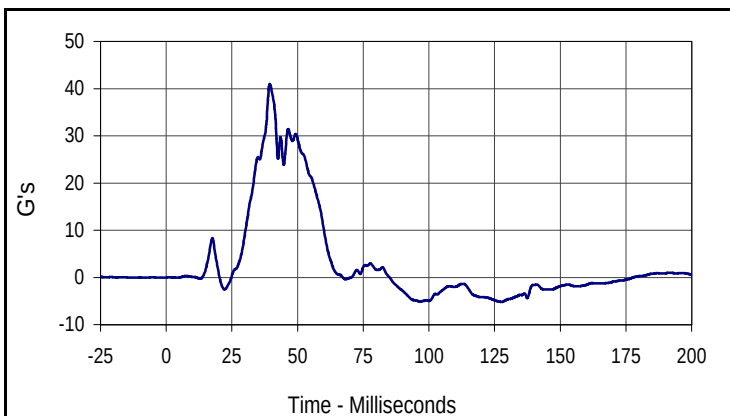
Test Date: 12/14/04
 NHTSA No.: M55303



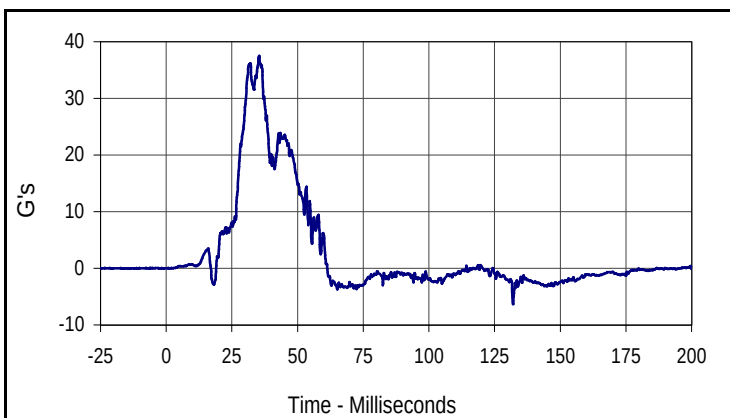
Curve Description			
Driver Upper Rib Redundant Y			
CURNO	Type	SAE Class	Units
017	FIL	1000	G's
Max	Time	Min	Time
77.7	38.3	-39.5	136.5



Curve Description			
Driver Lower Rib Redundant Y			
CURNO	Type	SAE Class	Units
018	FIL	1000	G's
Max	Time	Min	Time
111.3	38.3	-45.8	136.5



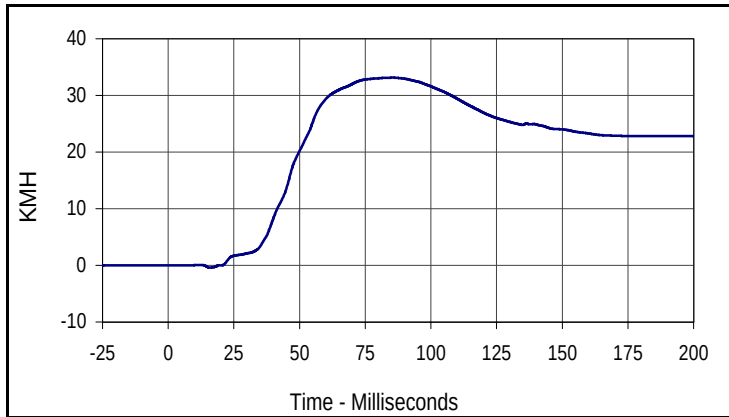
Curve Description			
Driver Lower Spine Redundant Y			
CURNO	Type	SAE Class	Units
019	FIL	180	G's
Max	Time	Min	Time
41.0	39.4	-5.2	127.8



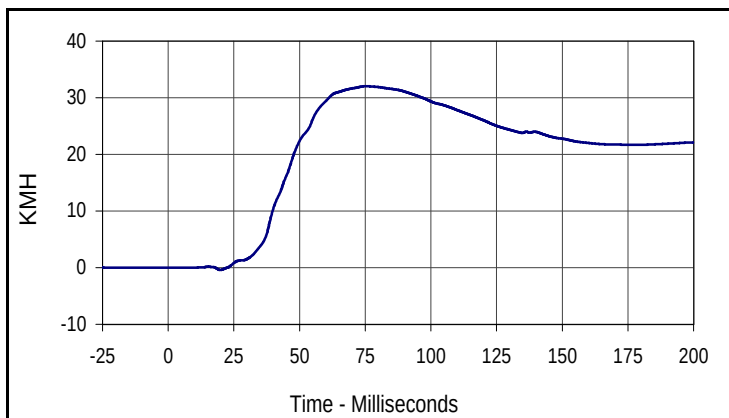
Curve Description			
Driver Pelvis Redundant Y			
CURNO	Type	SAE Class	Units
020	FIL	1000	G's
Max	Time	Min	Time
37.5	35.4	-6.3	132.0

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

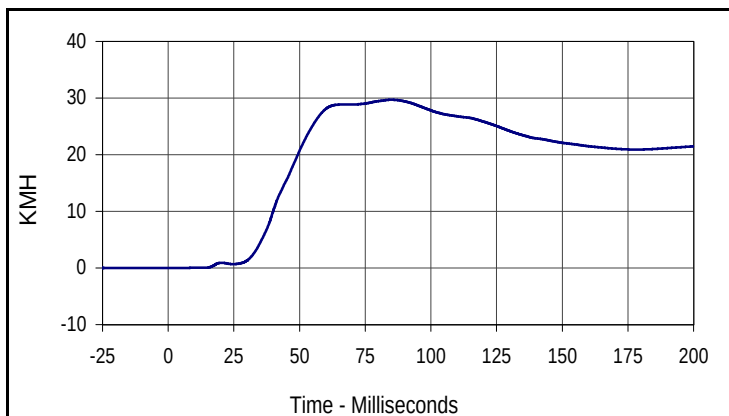
Test Date: 12/14/04
 NHTSA No.: M55303



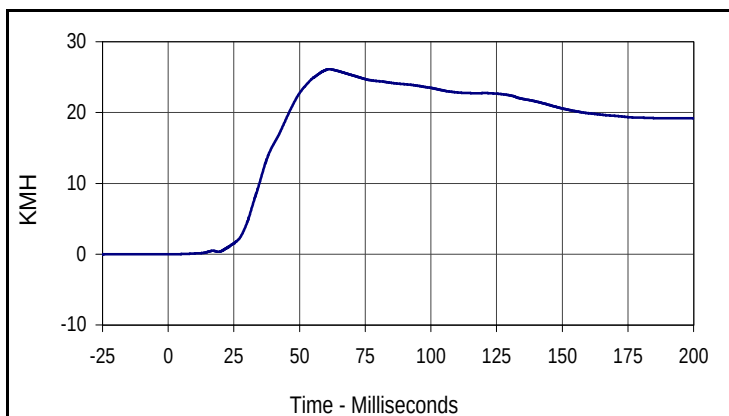
Curve Description			
Driver Upper Rib Redundant Y Velocity			
CURNO	Type	SAE Class	Units
017	IN1	180	KMH
Max	Time	Min	Time
33.1	85.5	-0.4	15.8



Curve Description			
Driver Lower Rib Redundant Y Velocity			
CURNO	Type	SAE Class	Units
018	IN1	180	KMH
Max	Time	Min	Time
32.0	75.4	-0.4	19.8



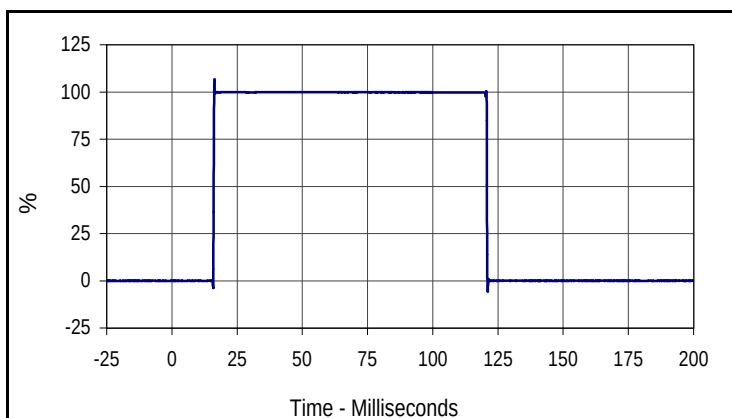
Curve Description			
Driver Lower Spine Redundant Y Velocity			
CURNO	Type	SAE Class	Units
019	IN1	180	KMH
Max	Time	Min	Time
29.7	85.0	0.0	5.0



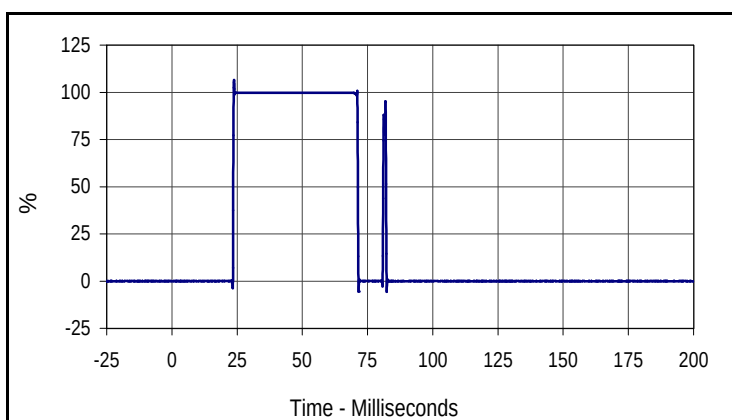
Curve Description			
Driver Pelvis Redundant Y Velocity			
CURNO	Type	SAE Class	Units
020	IN1	180	KMH
Max	Time	Min	Time
26.1	61.3	0.0	0.2

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04
 NHTSA No.: M55303



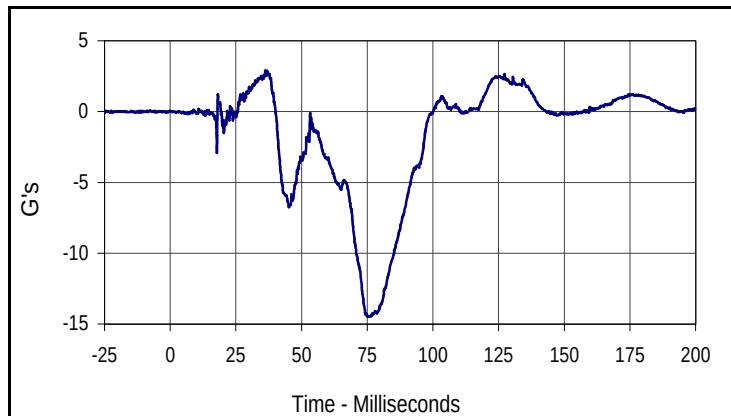
Curve Description			
Driver Thorax Contact			
CURNO	Type	SAE Class	Units
021	FIL	1000	%
Max	Time	Cross %	Time
106.6	16.3	50.0	16.1



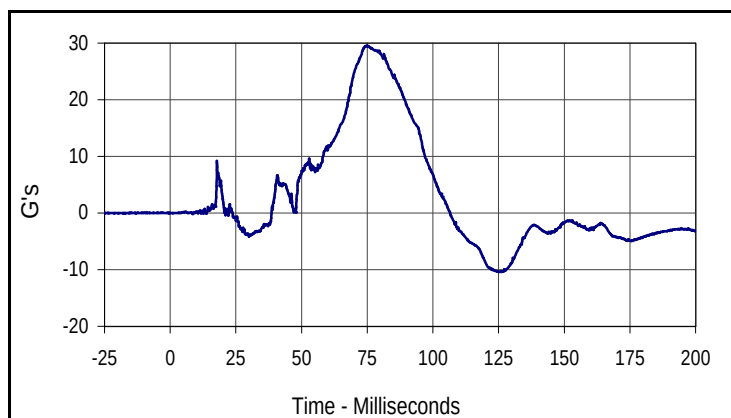
Curve Description			
Driver Pelvis Contact			
CURNO	Type	SAE Class	Units
022	FIL	1000	%
Max	Time	Cross %	Time
106.6	23.8	50.0	23.6

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

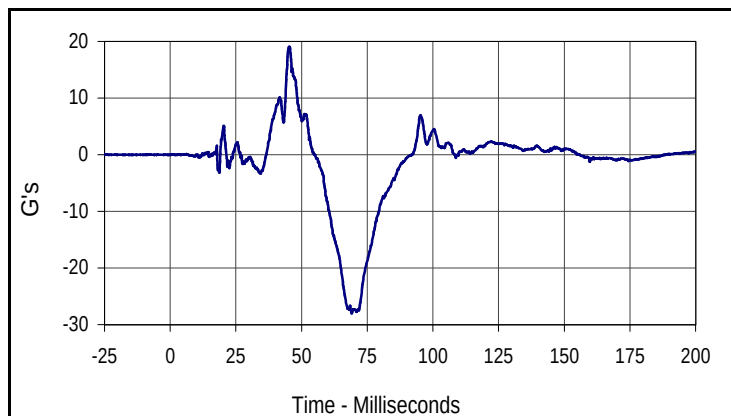
Test Date: 12/14/04
 NHTSA No.: M55303



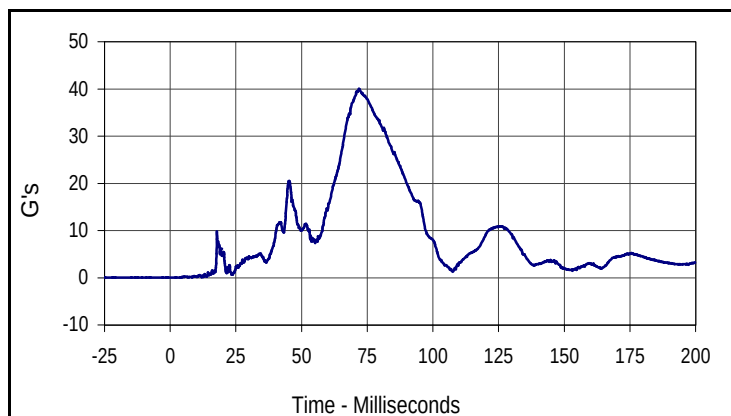
Curve Description			
Passenger Head X Primary			
CURNO	Type	SAE Class	Units
023	FIL	1000	G's
Max	Time	Min	Time
2.9	36.3	-14.5	75.2



Curve Description			
Passenger Head Y Primary			
CURNO	Type	SAE Class	Units
024	FIL	1000	G's
Max	Time	Min	Time
29.5	75.0	-10.4	126.1



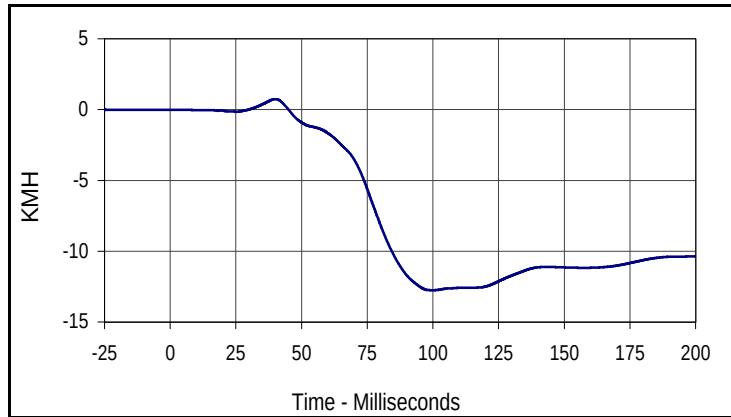
Curve Description			
Passenger Head Z Primary			
CURNO	Type	SAE Class	Units
025	FIL	1000	G's
Max	Time	Min	Time
19.1	45.4	-28.0	69.1



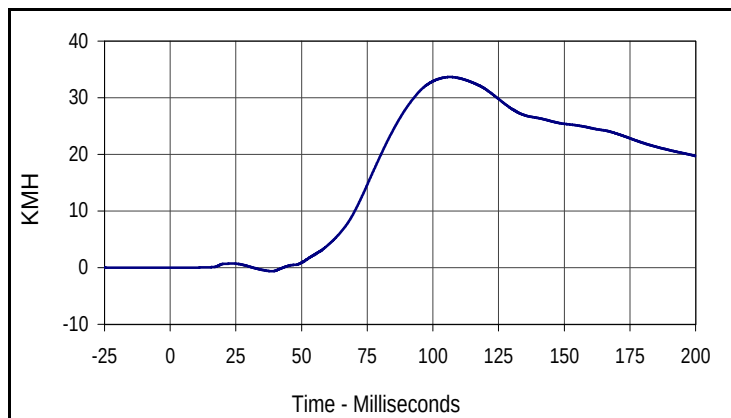
Curve Description			
Passenger Head Resultant Primary			
CURNO	Type	SAE Class	Units
023	RES	1000	G's
Max	Time	Min	Time
40.0	71.9	0.0	1.5

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

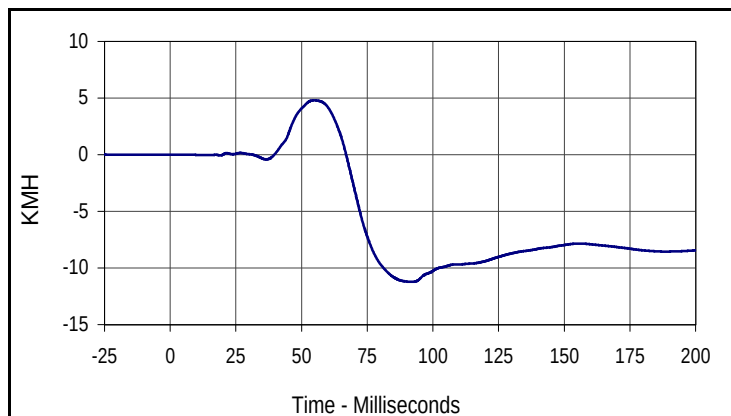
Test Date: 12/14/04
 NHTSA No.: M55303



Curve Description			
Passenger Head Primary X Velocity			
CURNO	Type	SAE Class	Units
023	IN1	180	KMH
Max	Time	Min	Time
0.7	40.1	-12.8	100.0



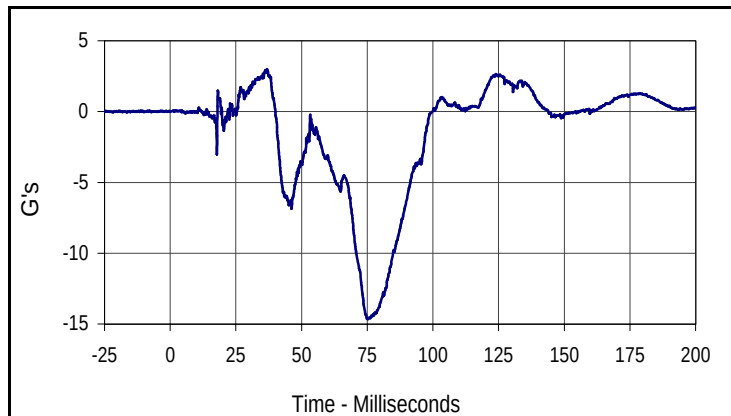
Curve Description			
Passenger Head Primary Y Velocity			
CURNO	Type	SAE Class	Units
024	IN1	180	KMH
Max	Time	Min	Time
33.7	106.5	-0.6	38.7



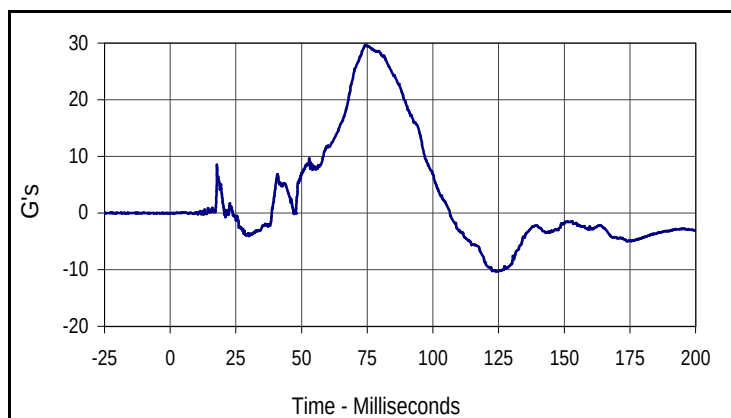
Curve Description			
Passenger Head Primary Z Velocity			
CURNO	Type	SAE Class	Units
025	IN1	180	KMH
Max	Time	Min	Time
4.8	54.9	-11.2	92.0

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

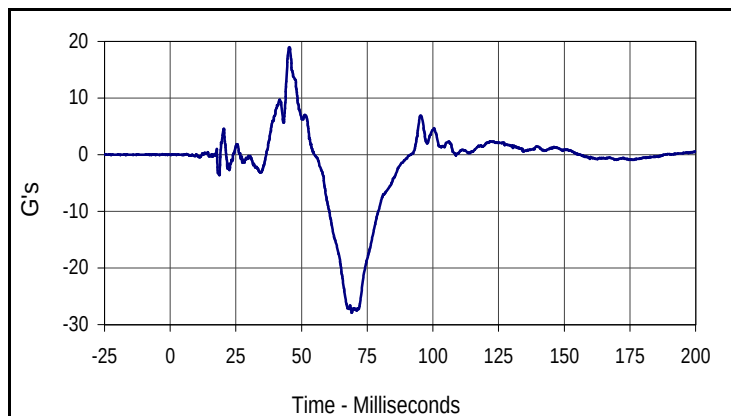
Test Date: 12/14/04
 NHTSA No.: M55303



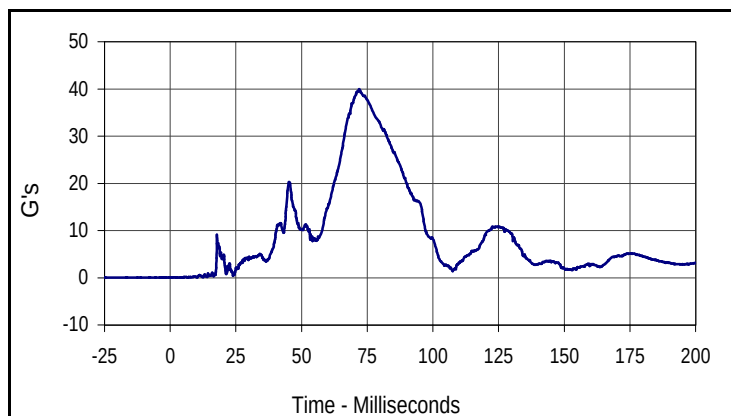
Curve Description			
Passenger Head X Redundant			
CURNO	Type	SAE Class	Units
026	FIL	1000	G's
Max	Time	Min	Time
3.0	36.9	-14.7	75.1



Curve Description			
Passenger Head Y Redundant			
CURNO	Type	SAE Class	Units
027	FIL	1000	G's
Max	Time	Min	Time
29.6	74.1	-10.3	124.9



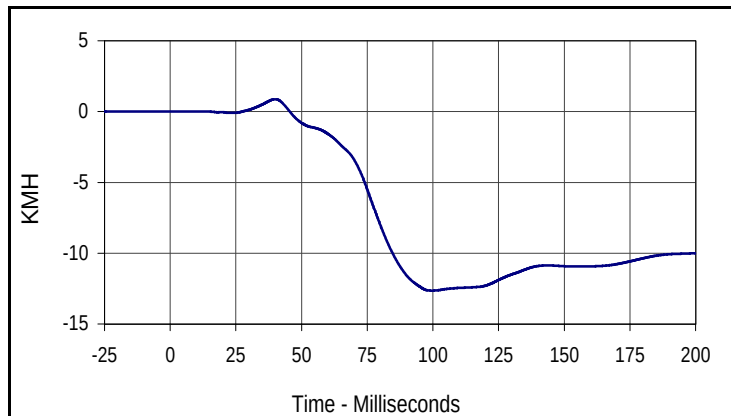
Curve Description			
Passenger Head Z Redundant			
CURNO	Type	SAE Class	Units
028	FIL	1000	G's
Max	Time	Min	Time
19.0	45.3	-27.9	69.1



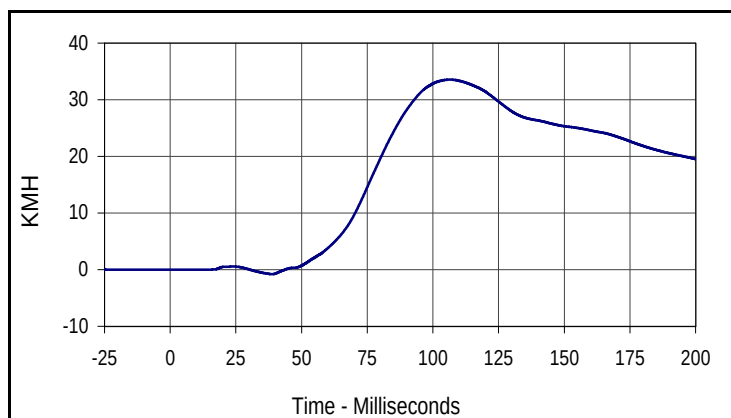
Curve Description			
Passenger Head Resultant Redundant			
CURNO	Type	SAE Class	Units
026	RES	1000	G's
Max	Time	Min	Time
40.0	71.9	0.0	3.4

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

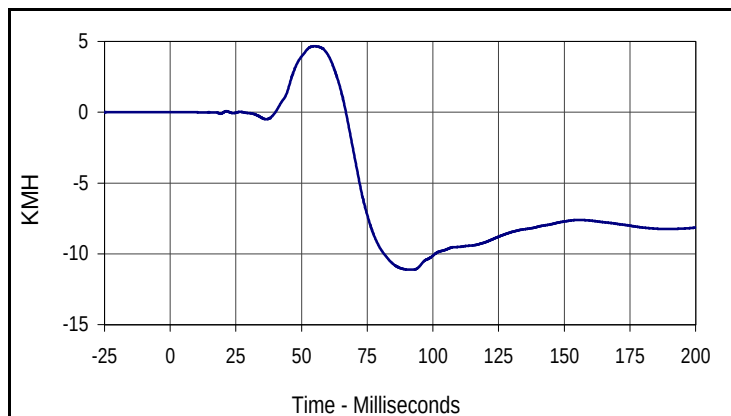
Test Date: 12/14/04
 NHTSA No.: M55303



Curve Description			
Passenger Head Redundant X Velocity			
CURNO	Type	SAE Class	Units
026	IN1	180	KMH
Max	Time	Min	Time
0.9	40.0	-12.6	99.6



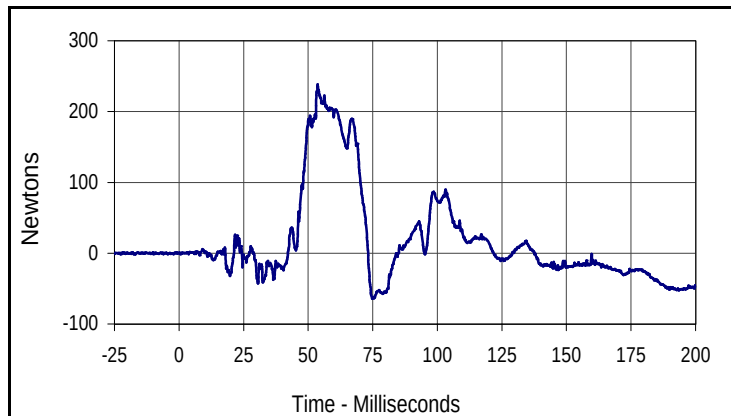
Curve Description			
Passenger Head Redundant Y Velocity			
CURNO	Type	SAE Class	Units
027	IN1	180	KMH
Max	Time	Min	Time
33.6	106.5	-0.8	38.7



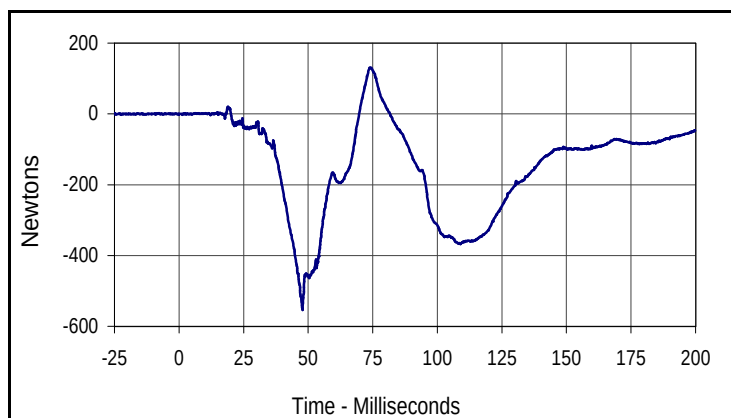
Curve Description			
Passenger Head Redundant Z Velocity			
CURNO	Type	SAE Class	Units
028	IN1	180	KMH
Max	Time	Min	Time
4.7	54.9	-11.1	91.6

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

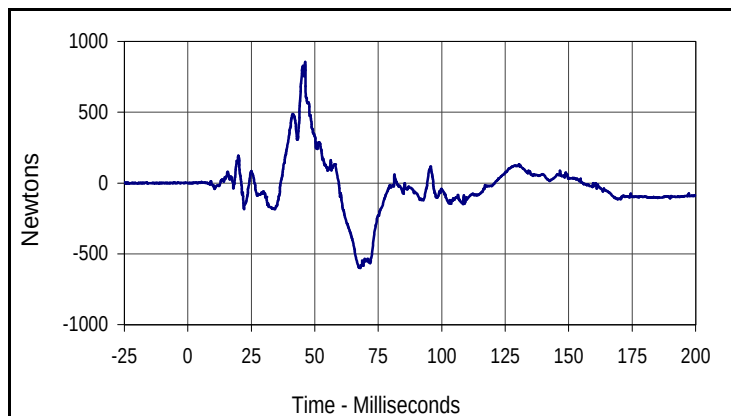
Test Date: 12/14/04
 NHTSA No.: M55303



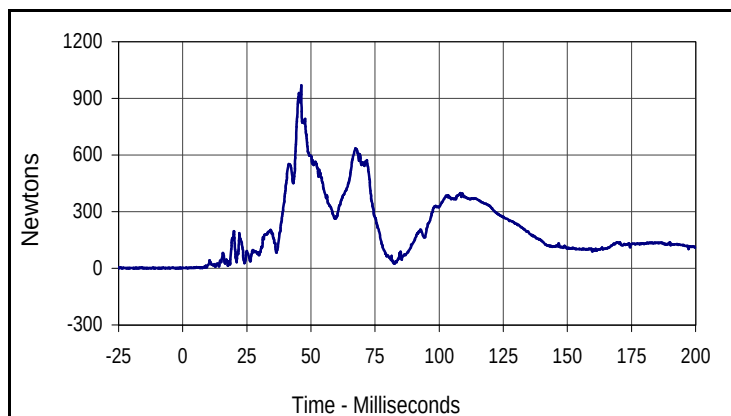
Curve Description			
Passenger Upper Neck Force X			
CURNO	Type	SAE Class	Units
029	FIL	1000	Newtons
Max	Time	Min	Time
238.6	53.7	-64.1	74.9



Curve Description			
Passenger Upper Neck Force Y			
CURNO	Type	SAE Class	Units
030	FIL	1000	Newtons
Max	Time	Min	Time
130.3	73.8	-554.0	47.8



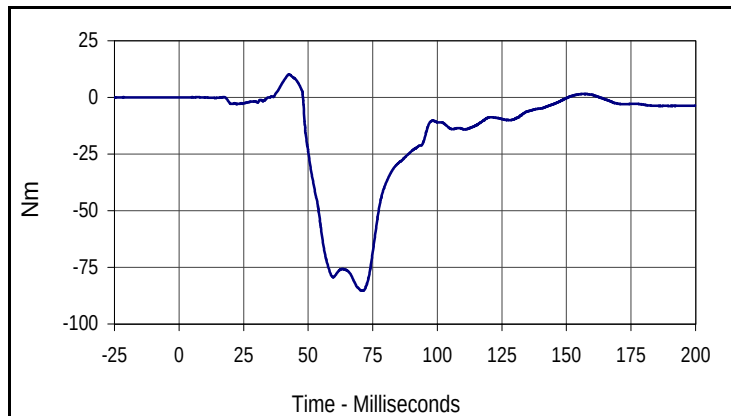
Curve Description			
Passenger Upper Neck Force Z			
CURNO	Type	SAE Class	Units
031	FIL	1000	Newtons
Max	Time	Min	Time
855.8	46.2	-599.6	67.9



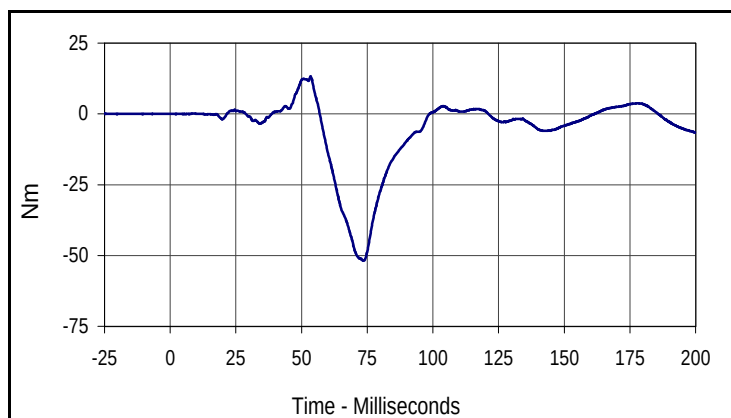
Curve Description			
Passenger Upper Neck Force Resultant			
CURNO	Type	SAE Class	Units
029	RES	1000	Newtons
Max	Time	Min	Time
969.5	46.2	0.6	2.0

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

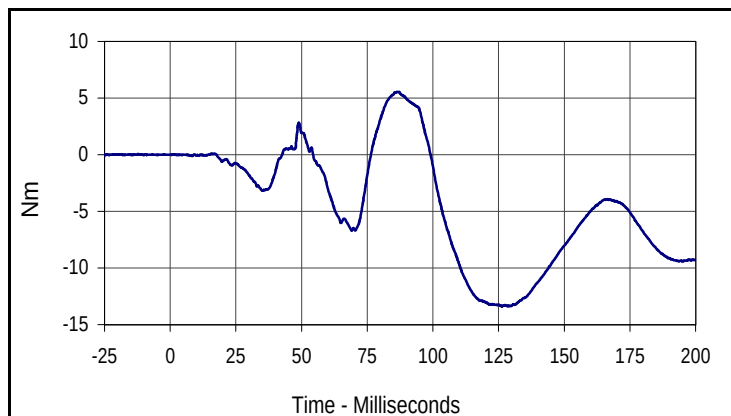
Test Date: 12/14/04
 NHTSA No.: M55303



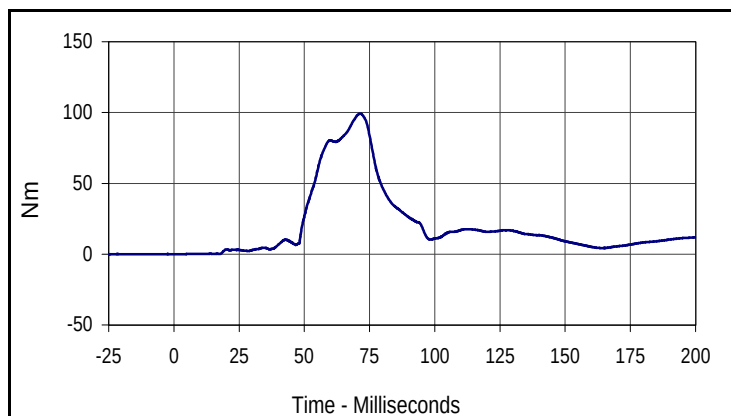
Curve Description			
Passenger Upper Neck Moment X			
CURNO	Type	SAE Class	Units
032	FIL	600	Nm
Max	Time	Min	Time
10.1	42.6	-85.3	71.1



Curve Description			
Passenger Upper Neck Moment Y			
CURNO	Type	SAE Class	Units
033	FIL	600	Nm
Max	Time	Min	Time
13.2	53.4	-51.9	73.6



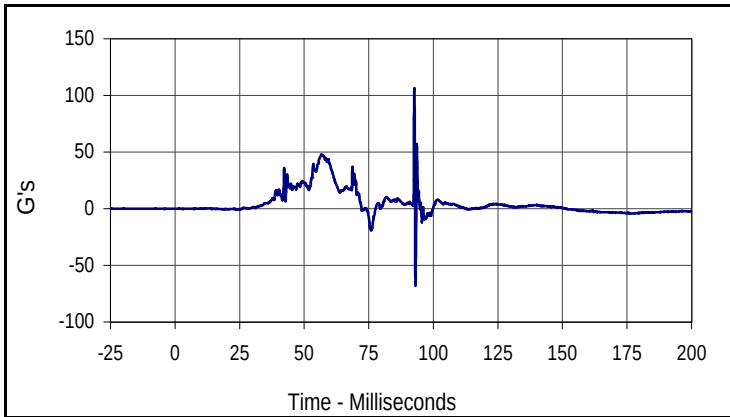
Curve Description			
Passenger Upper Neck Moment Z			
CURNO	Type	SAE Class	Units
034	FIL	600	Nm
Max	Time	Min	Time
5.5	87.1	-13.4	126.3



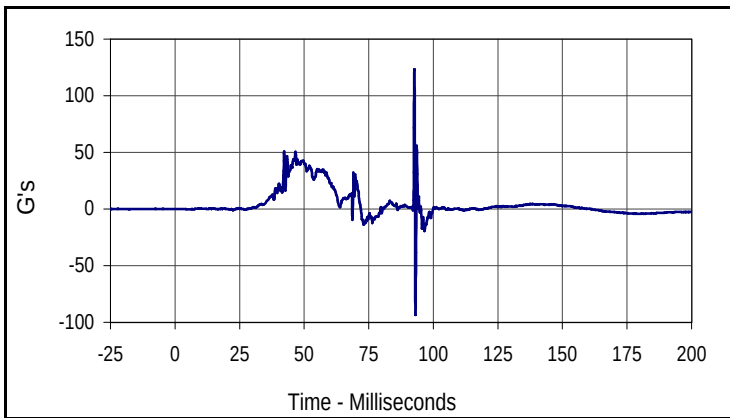
Curve Description			
Passenger Upper Neck Moment Resultant			
CURNO	Type	SAE Class	Units
032	RES	600	Nm
Max	Time	Min	Time
99.3	71.4	0.0	0.1

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

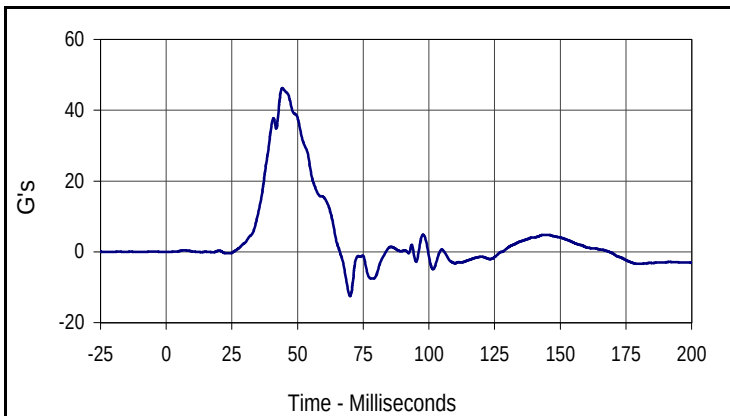
Test Date: 12/14/04
 NHTSA No.: M55303



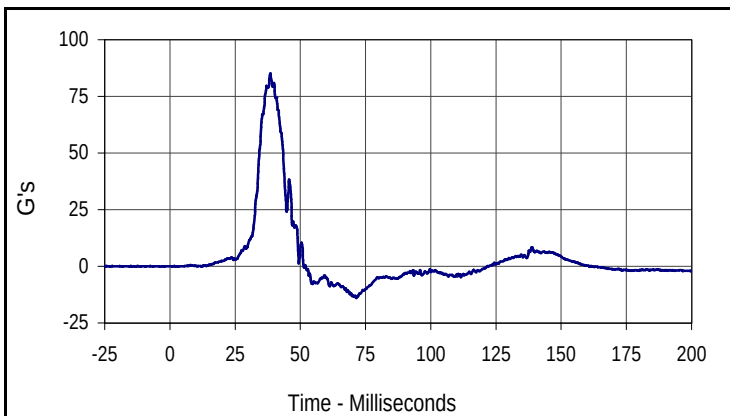
Curve Description			
Passenger Upper Rib Primary Y			
CURNO	Type	SAE Class	Units
035	FIL	1000	G's
Max	Time	Min	Time
105.6	92.7	-67.5	93.1



Curve Description			
Passenger Lower Rib Primary Y			
CURNO	Type	SAE Class	Units
036	FIL	1000	G's
Max	Time	Min	Time
122.8	92.7	-93.3	93.1



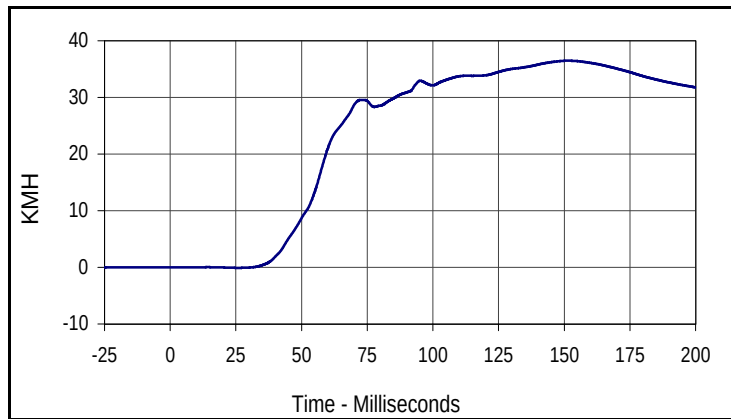
Curve Description			
Passenger Lower Spine Primary Y			
CURNO	Type	SAE Class	Units
037	FIL	180	G's
Max	Time	Min	Time
46.2	44.2	-12.5	70.0



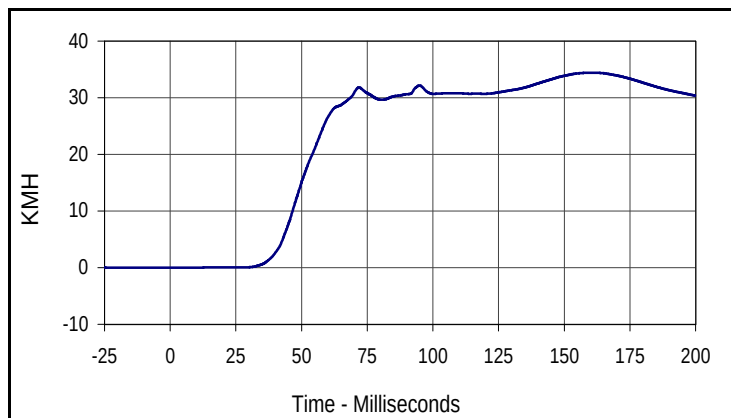
Curve Description			
Passenger Pelvis Primary Y			
CURNO	Type	SAE Class	Units
038	FIL	1000	G's
Max	Time	Min	Time
85.2	38.5	-14.0	71.4

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

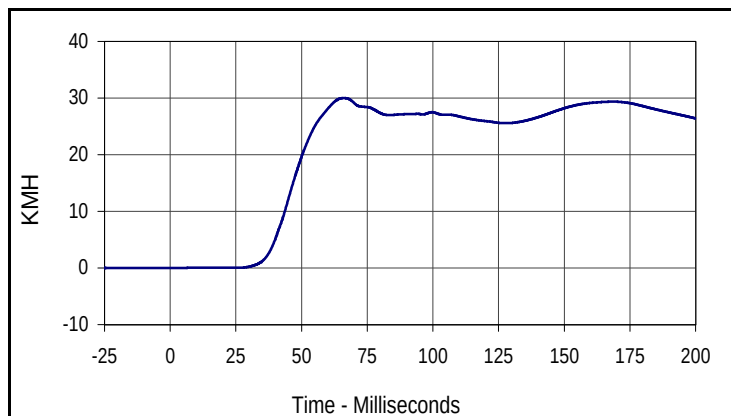
Test Date: 12/14/04
 NHTSA No.: M55303



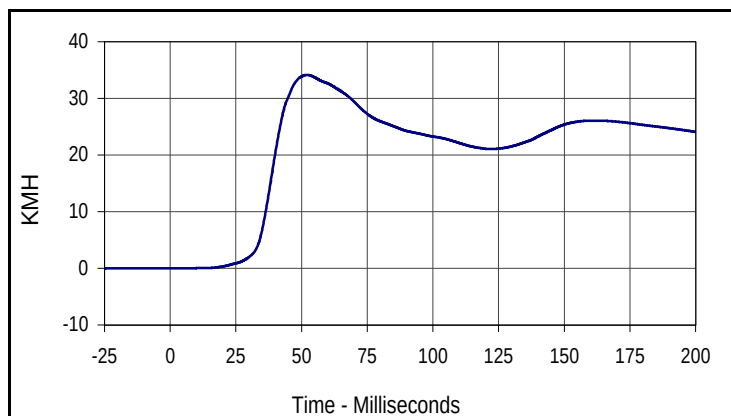
Curve Description			
Passenger Upper Rib Primary Y Velocity			
CURNO	Type	SAE Class	Units
035	IN1	180	KMH
Max	Time	Min	Time
36.5	151.4	-0.1	25.9



Curve Description			
Passenger Lower Rib Primary Y Velocity			
CURNO	Type	SAE Class	Units
036	IN1	180	KMH
Max	Time	Min	Time
34.4	160.9	0.0	7.6



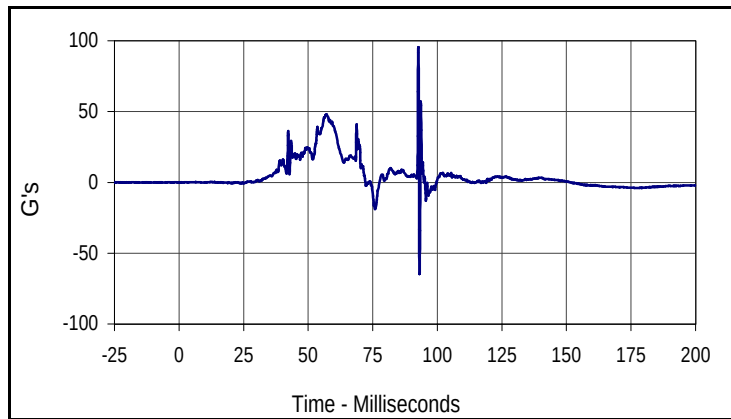
Curve Description			
Passenger Lower Spine Primary Y Velocity			
CURNO	Type	SAE Class	Units
037	IN1	180	KMH
Max	Time	Min	Time
30.0	66.1	0.0	2.2



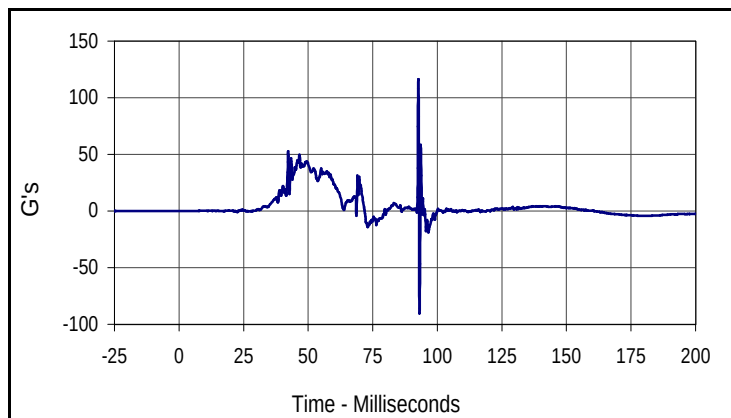
Curve Description			
Passenger Pelvis Primary Y Velocity			
CURNO	Type	SAE Class	Units
038	IN1	180	KMH
Max	Time	Min	Time
34.1	51.9	0.0	5.2

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

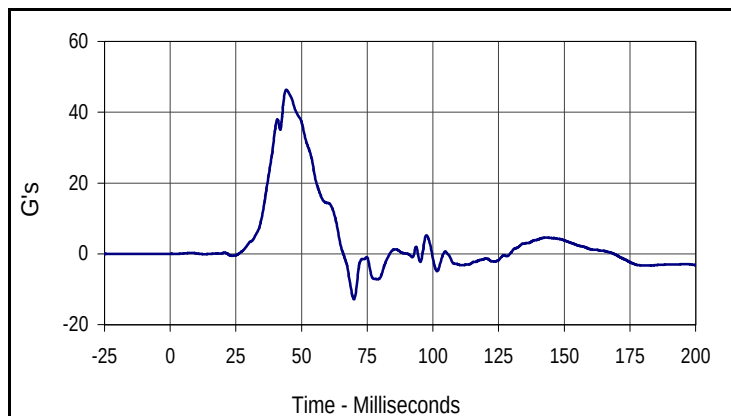
Test Date: 12/14/04
 NHTSA No.: M55303



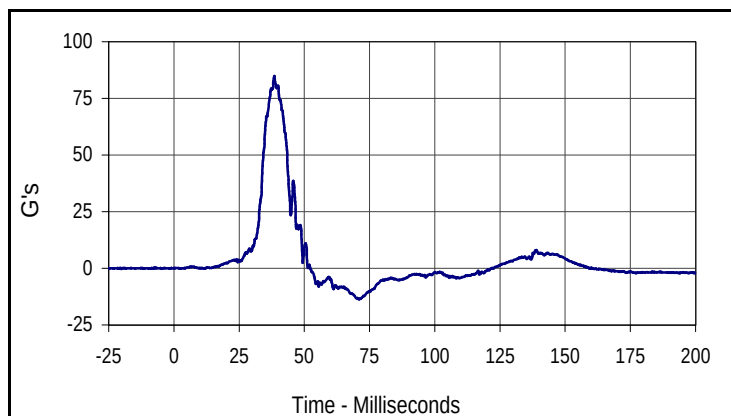
Curve Description			
Passenger Upper Rib Redundant Y			
CURNO	Type	SAE Class	Units
039	FIL	1000	G's
Max	Time	Min	Time
95.2	92.7	-64.5	93.1



Curve Description			
Passenger Lower Rib Redundant Y			
CURNO	Type	SAE Class	Units
040	FIL	1000	G's
Max	Time	Min	Time
115.7	92.7	-90.1	93.1



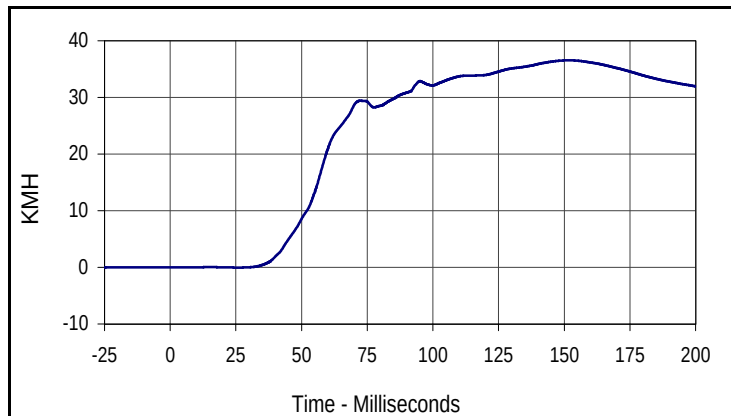
Curve Description			
Passenger Lower Spine Redundant Y			
CURNO	Type	SAE Class	Units
041	FIL	180	G's
Max	Time	Min	Time
46.3	44.2	-12.8	69.9



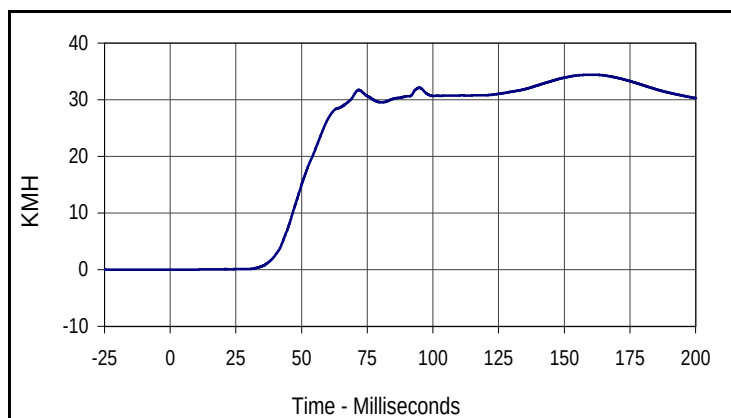
Curve Description			
Passenger Pelvis Redundant Y			
CURNO	Type	SAE Class	Units
042	FIL	1000	G's
Max	Time	Min	Time
84.8	38.5	-13.7	70.9

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

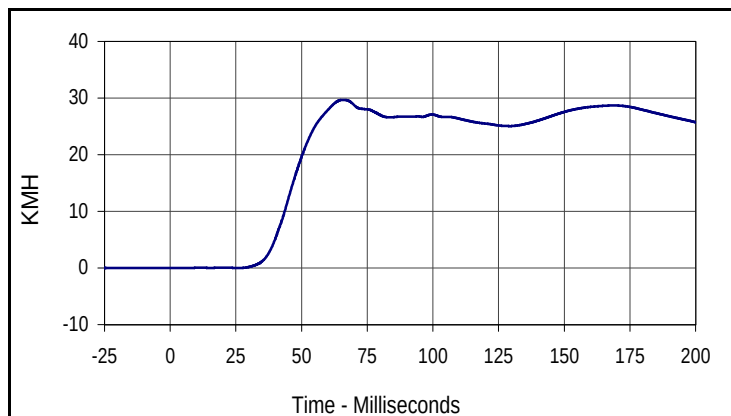
Test Date: 12/14/04
 NHTSA No.: M55303



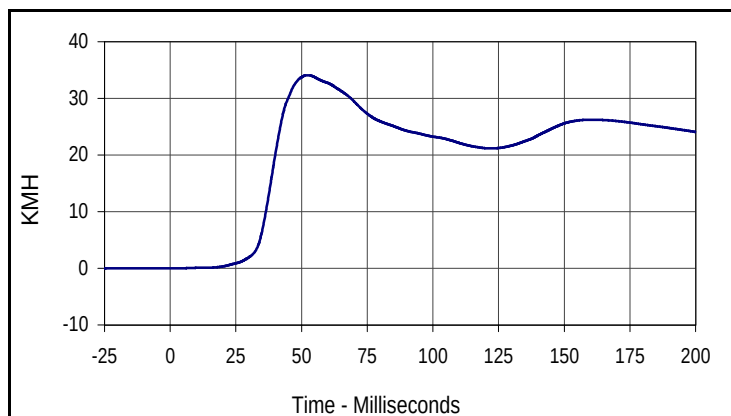
Curve Description			
Passenger Upper Rib Redundant Y Velocity			
CURNO	Type	SAE Class	Units
039	IN1	180	KMH
Max	Time	Min	Time
36.6	151.6	-0.1	25.9



Curve Description			
Passenger Lower Rib Redundant Y Velocity			
CURNO	Type	SAE Class	Units
040	IN1	180	KMH
Max	Time	Min	Time
34.4	160.8	0.0	5.0



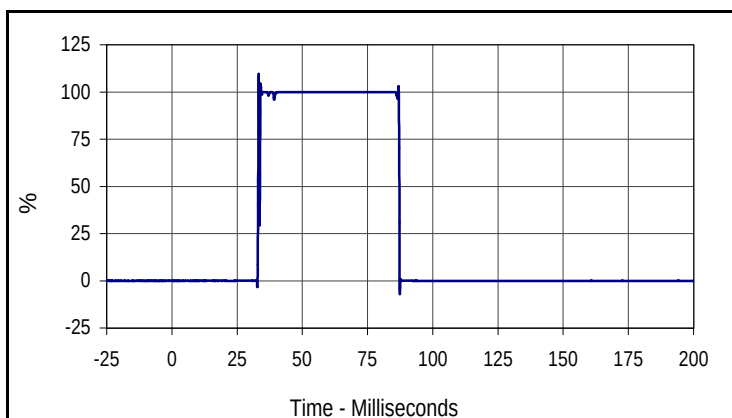
Curve Description			
Passenger Lower Spine Redundant Y Velocity			
CURNO	Type	SAE Class	Units
041	IN1	180	KMH
Max	Time	Min	Time
29.7	65.9	0.0	0.0



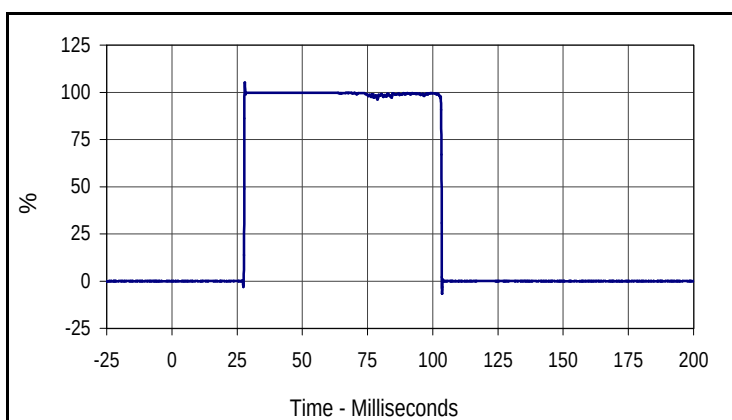
Curve Description			
Passenger Pelvis Redundant Y Velocity			
CURNO	Type	SAE Class	Units
042	IN1	180	KMH
Max	Time	Min	Time
34.1	52.3	0.0	0.0

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04
 NHTSA No.: M55303



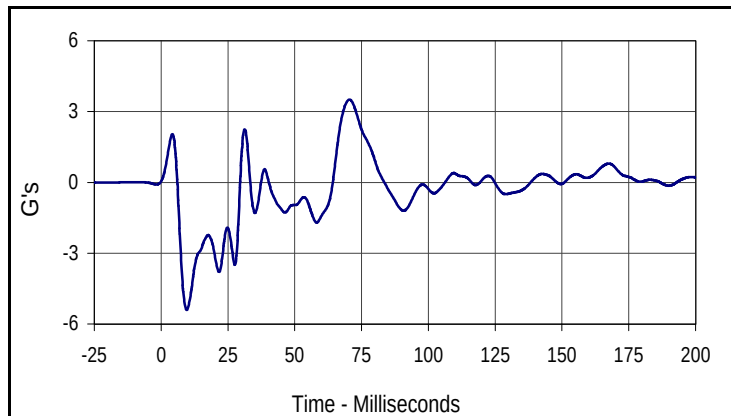
Curve Description			
Passenger Thorax Contact			
CURNO	Type	SAE Class	Units
043	FIL	1000	%
Max	Time	Cross %	Time
109.6	33.3	50.0	33.1



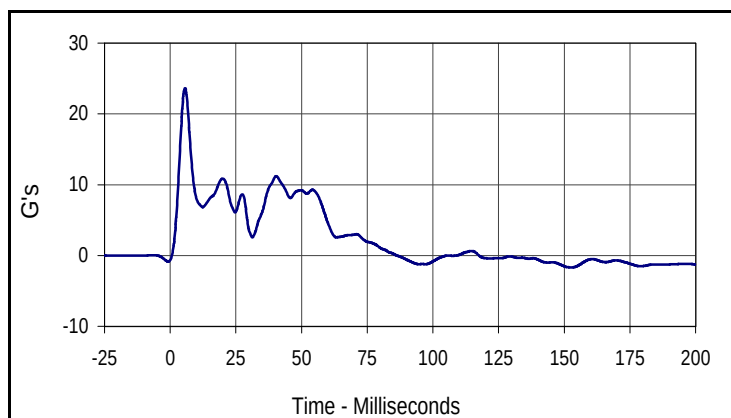
Curve Description			
Passenger Pelvis Contact			
CURNO	Type	SAE Class	Units
044	FIL	1000	%
Max	Time	Cross %	Time
105.2	28.0	50.0	27.8

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

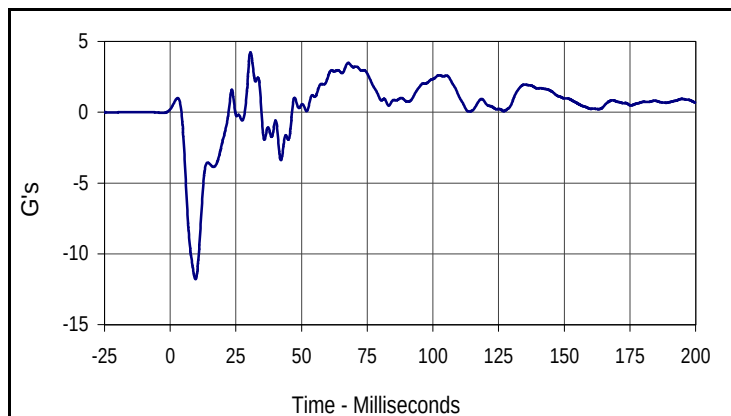
Test Date: 12/14/04
 NHTSA No.: M55303



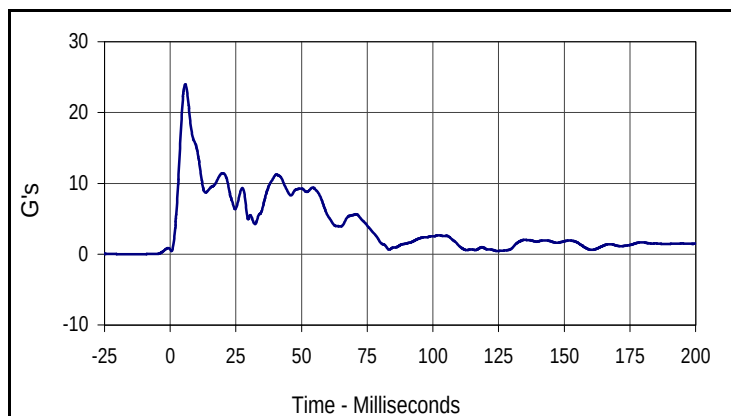
Curve Description			
Vehicle Right Sill at Front Seat X			
CURNO	Type	SAE Class	Units
045	FIL	60	G's
Max	Time	Min	Time
3.5	70.5	-5.4	9.6



Curve Description			
Vehicle Right Sill at Front Seat Y			
CURNO	Type	SAE Class	Units
046	FIL	60	G's
Max	Time	Min	Time
23.6	5.6	-1.7	152.7



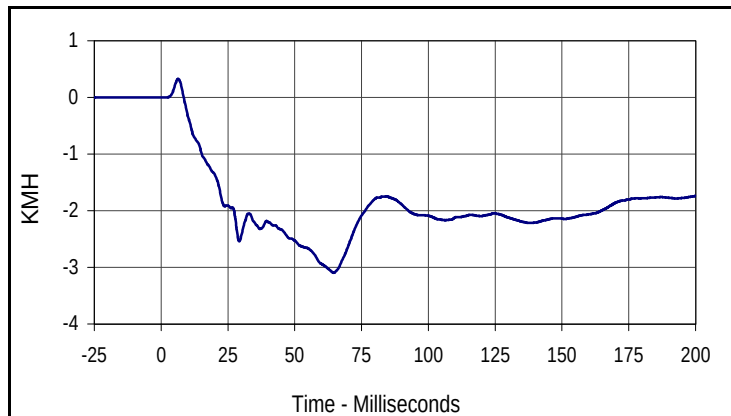
Curve Description			
Vehicle Right Sill at Front Seat Z			
CURNO	Type	SAE Class	Units
047	FIL	60	G's
Max	Time	Min	Time
4.2	30.5	-11.8	9.6



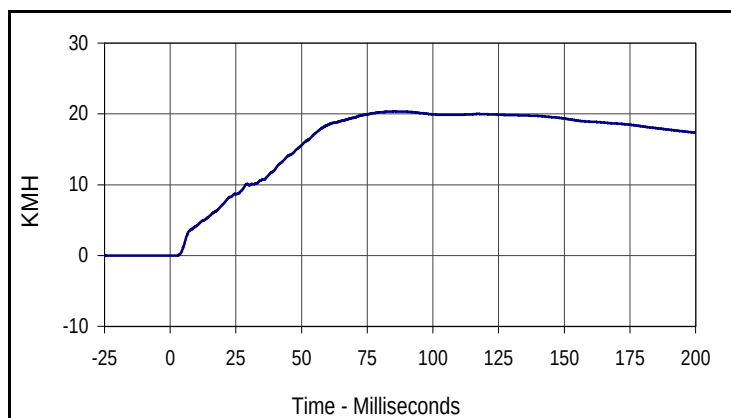
Curve Description			
Vehicle Right Sill Front Seat Resultant			
CURNO	Type	SAE Class	Units
045	RES	60	G's
Max	Time	Min	Time
24.0	5.7	0.4	0.6

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

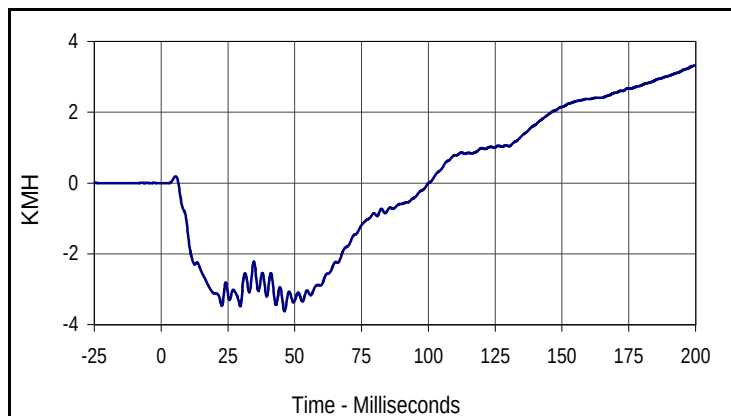
Test Date: 12/14/04
 NHTSA No.: M55303



Curve Description			
Vehicle Right Sill at Front Seat X Velocity			
CURNO	Type	SAE Class	Units
045	IN1	180	KMH
Max	Time	Min	Time
0.3	6.4	-3.1	64.6



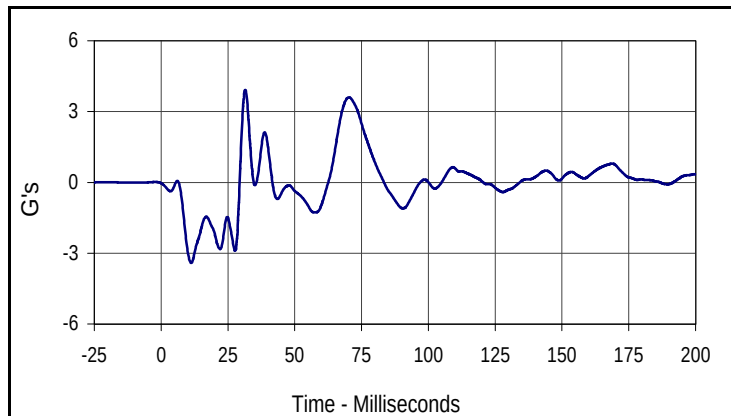
Curve Description			
Vehicle Right Sill at Front Seat Y Velocity			
CURNO	Type	SAE Class	Units
046	IN1	180	KMH
Max	Time	Min	Time
20.4	85.3	0.0	2.3



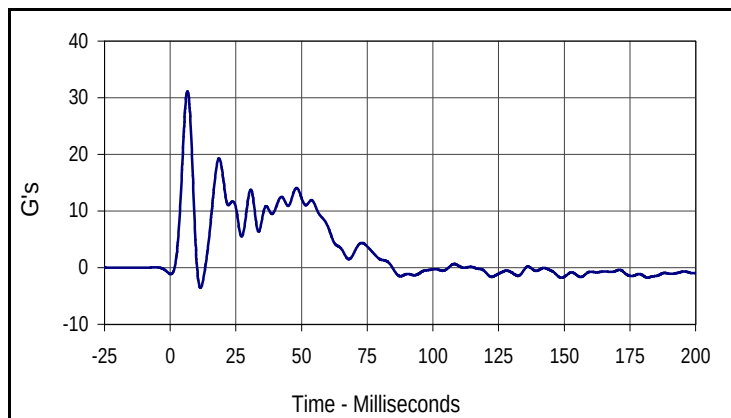
Curve Description			
Vehicle Right Sill at Front Seat Z Velocity			
CURNO	Type	SAE Class	Units
047	IN1	180	KMH
Max	Time	Min	Time
3.3	200.0	-3.6	46.2

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

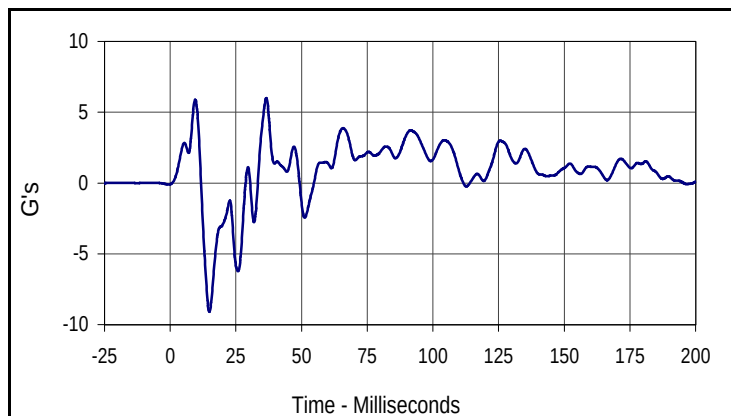
Test Date: 12/14/04
 NHTSA No.: M55303



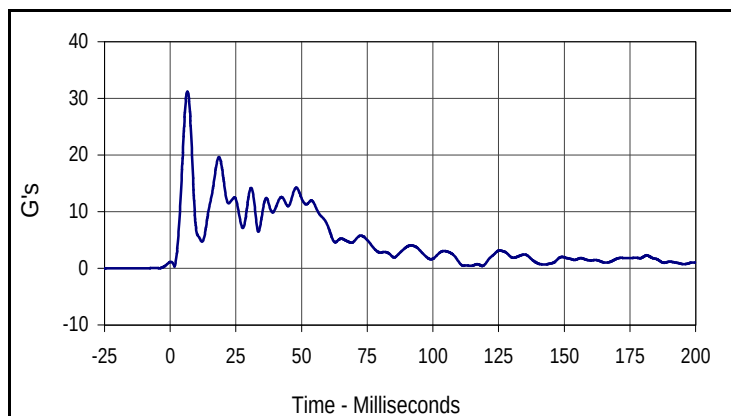
Curve Description			
Vehicle Right Sill at Rear Seat X			
CURNO	Type	SAE Class	Units
048	FIL	60	G's
Max	Time	Min	Time
3.9	31.5	-3.4	11.3



Curve Description			
Vehicle Right Sill at Rear Seat Y			
CURNO	Type	SAE Class	Units
049	FIL	60	G's
Max	Time	Min	Time
31.1	6.6	-3.6	11.5



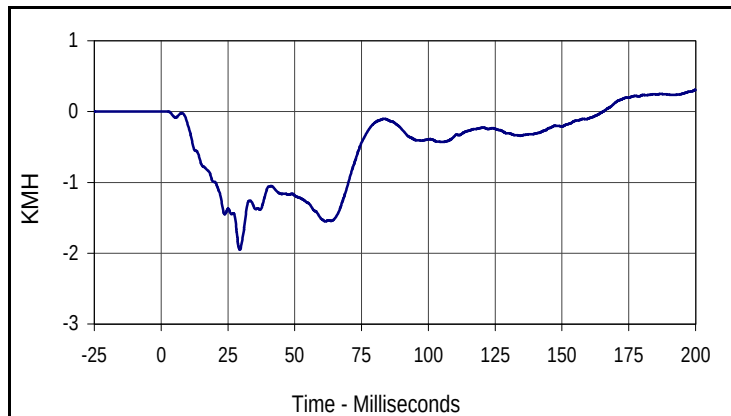
Curve Description			
Vehicle Right Sill at Rear Seat Z			
CURNO	Type	SAE Class	Units
050	FIL	60	G's
Max	Time	Min	Time
6.0	36.6	-9.1	14.9



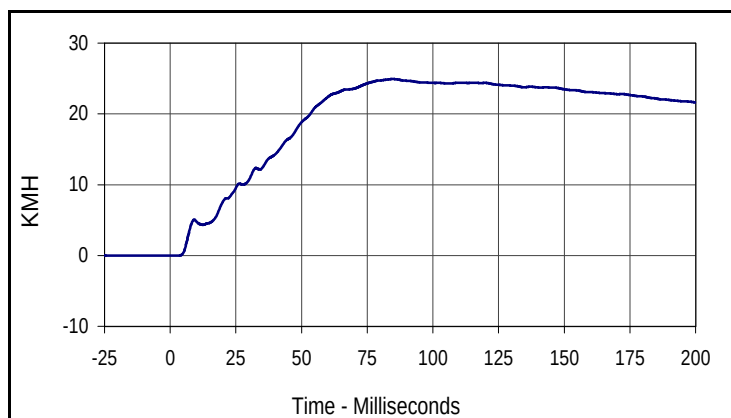
Curve Description			
Vehicle Right Sill Rear Seat Resultant			
CURNO	Type	SAE Class	Units
048	RES	60	G's
Max	Time	Min	Time
31.2	6.6	0.3	1.6

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

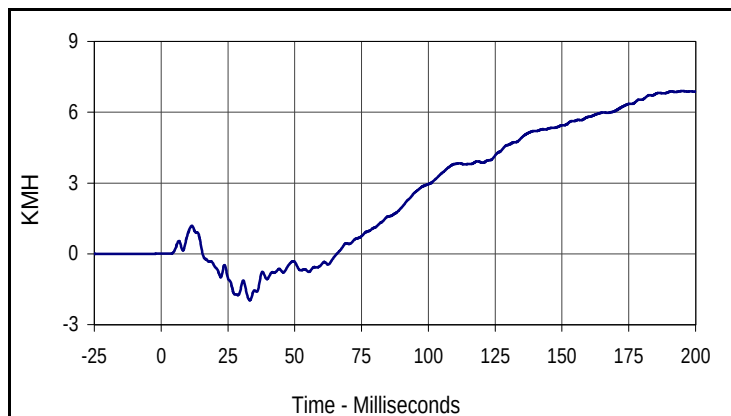
Test Date: 12/14/04
 NHTSA No.: M55303



Curve Description			
Vehicle Right Sill at Rear Seat X Velocity			
CURNO	Type	SAE Class	Units
048	IN1	180	KMH
Max	Time	Min	Time
0.3	200.0	-2.0	29.4



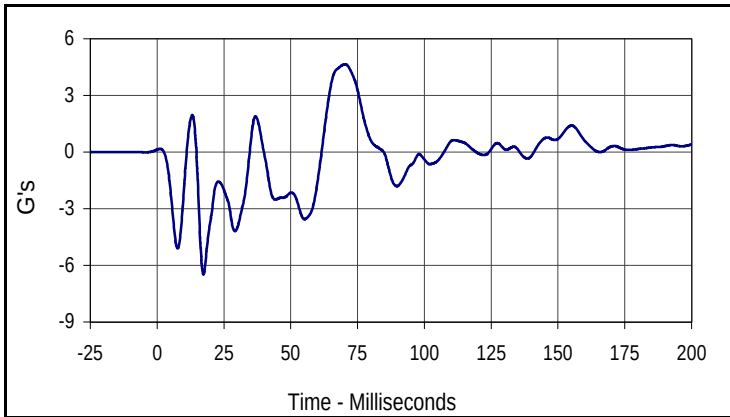
Curve Description			
Vehicle Right Sill at Rear Seat Y Velocity			
CURNO	Type	SAE Class	Units
049	IN1	180	KMH
Max	Time	Min	Time
24.9	84.6	0.0	3.1



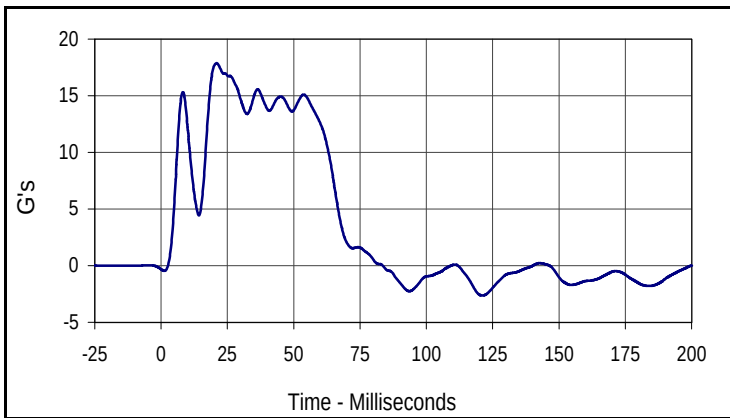
Curve Description			
Vehicle Right Sill at Rear Seat Z Velocity			
CURNO	Type	SAE Class	Units
050	IN1	180	KMH
Max	Time	Min	Time
6.9	195.2	-2.0	33.2

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

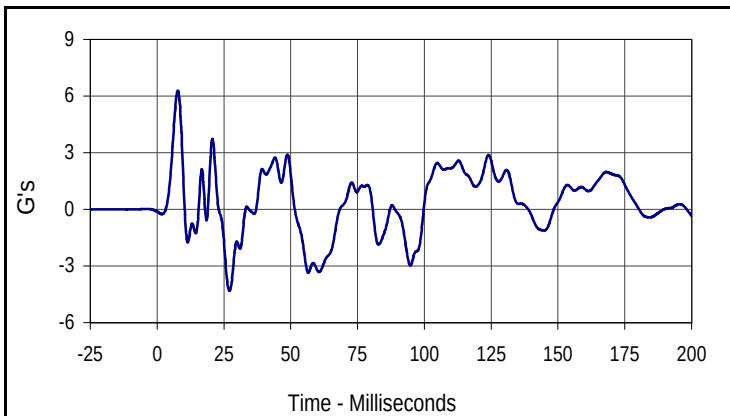
Test Date: 12/14/04
 NHTSA No.: M55303



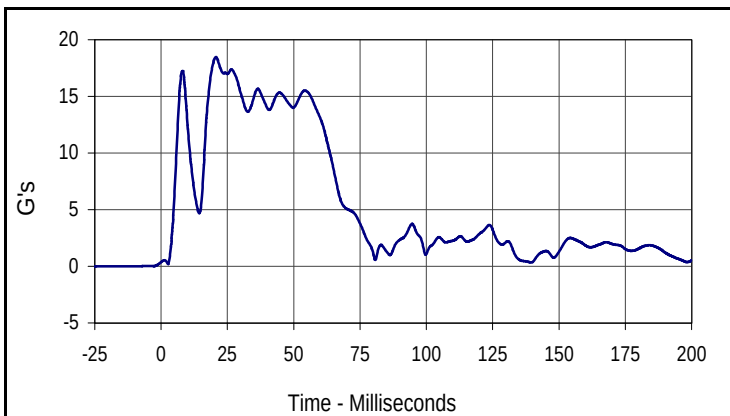
Curve Description			
Vehicle Rear Floor Above Axle X			
CURNO	Type	SAE Class	Units
051	FIL	60	G's
Max	Time	Min	Time
4.6	70.4	-6.5	17.4



Curve Description			
Vehicle Rear Floor Above Axle Y			
CURNO	Type	SAE Class	Units
052	FIL	60	G's
Max	Time	Min	Time
17.9	21.0	-2.6	121.0



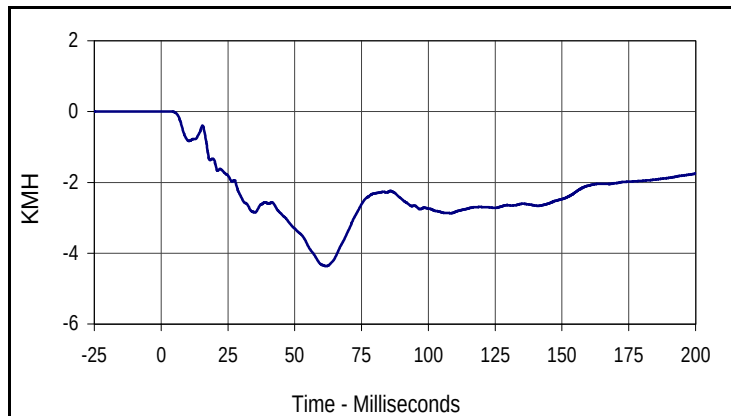
Curve Description			
Vehicle Rear Floor Above Axle Z			
CURNO	Type	SAE Class	Units
053	FIL	60	G's
Max	Time	Min	Time
6.3	7.7	-4.3	27.1



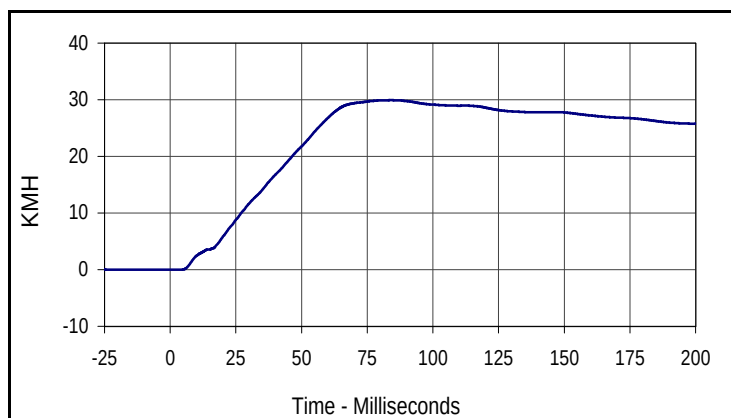
Curve Description			
Vehicle Rear Floor Above Axle Resultant			
CURNO	Type	SAE Class	Units
051	RES	60	G's
Max	Time	Min	Time
18.5	20.7	0.2	2.6

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

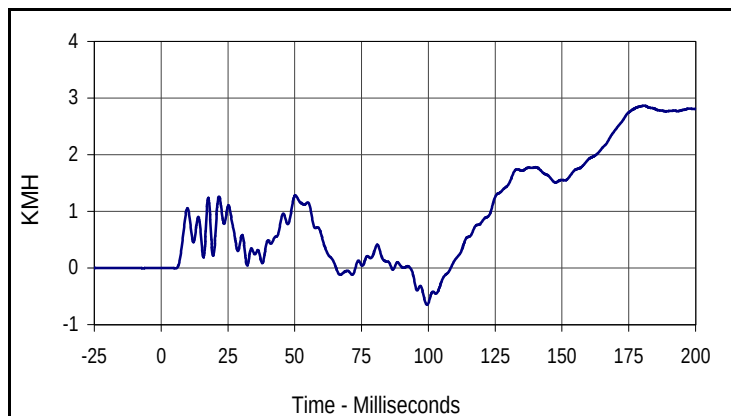
Test Date: 12/14/04
 NHTSA No.: M55303



Curve Description			
Vehicle Rear Floor Above Axle X Velocity			
CURNO	Type	SAE Class	Units
051	FIL	180	KMH
Max	Time	Min	Time
0.0	2.5	-4.4	61.8



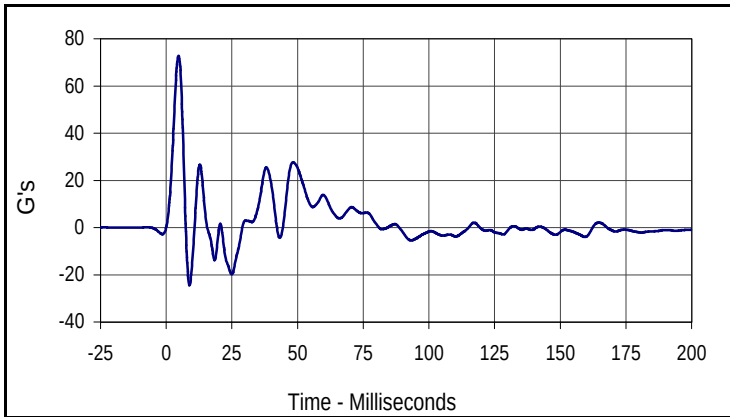
Curve Description			
Vehicle Rear Floor Above Axle Y Velocity			
CURNO	Type	SAE Class	Units
052	FIL	180	KMH
Max	Time	Min	Time
29.9	84.1	0.0	0.0



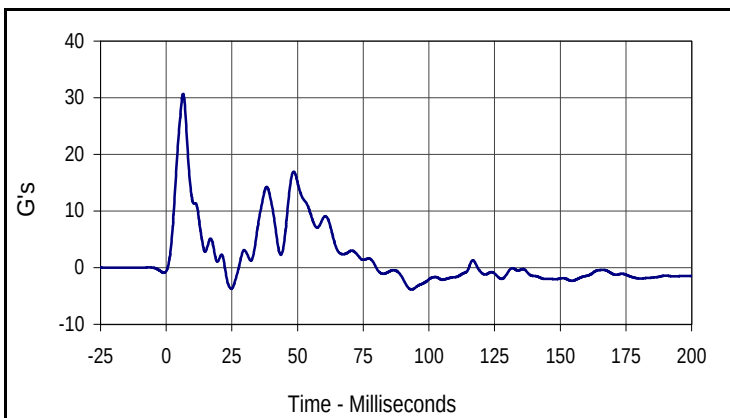
Curve Description			
Vehicle Rear Floor Above Axle Z Velocity			
CURNO	Type	SAE Class	Units
053	FIL	180	KMH
Max	Time	Min	Time
2.9	180.8	-0.6	99.5

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

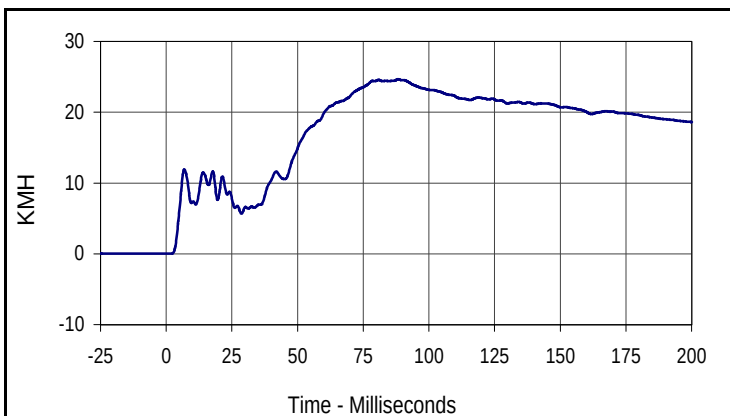
Test Date: 12/14/04
 NHTSA No.: M55303



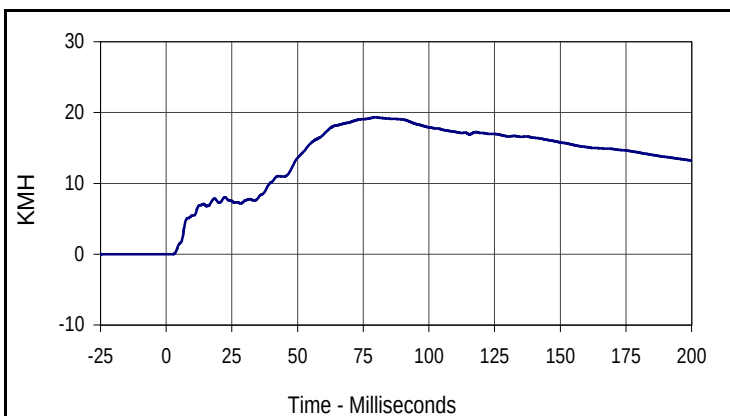
Curve Description			
Vehicle Left Sill at Rear Door Y			
CURNO	Type	SAE Class	Units
054	FIL	60	G's
Max	Time	Min	Time
72.8	4.7	-24.4	8.9



Curve Description			
Vehicle Left Sill at Front Door Y			
CURNO	Type	SAE Class	Units
055	FIL	60	G's
Max	Time	Min	Time
30.7	6.5	-3.8	93.4



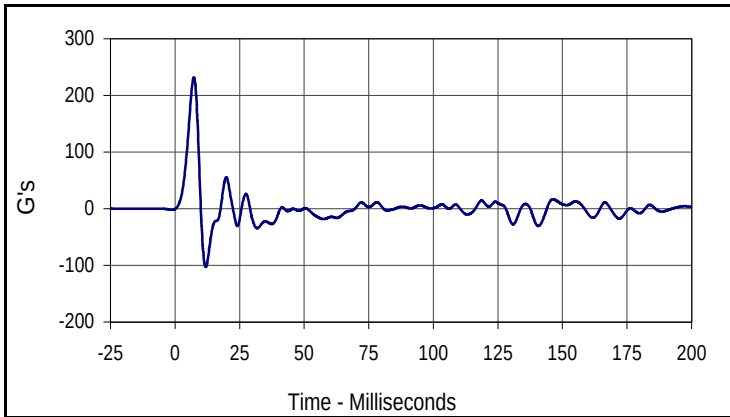
Curve Description			
Vehicle Left Sill at Rear Door Y Velocity			
CURNO	Type	SAE Class	Units
054	IN1	180	KMH
Max	Time	Min	Time
24.6	88.3	0.0	0.0



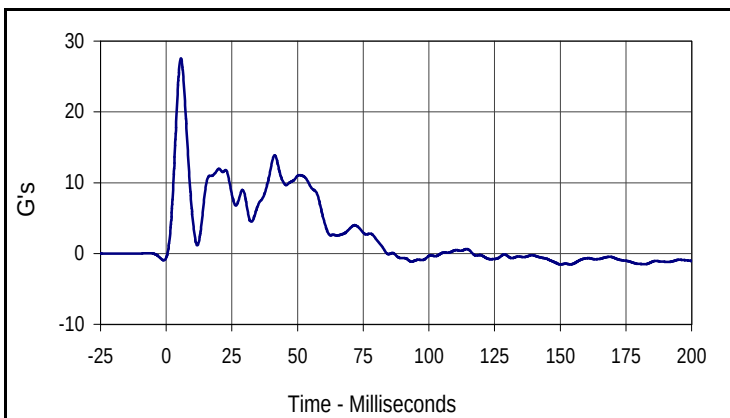
Curve Description			
Vehicle Left Sill at Front Door Y Velocity			
CURNO	Type	SAE Class	Units
055	IN1	180	KMH
Max	Time	Min	Time
19.3	79.8	0.0	2.4

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

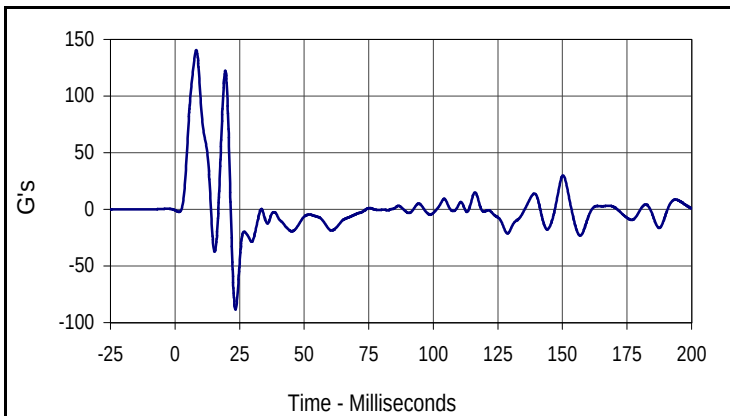
Test Date: 12/14/04
 NHTSA No.: M55303



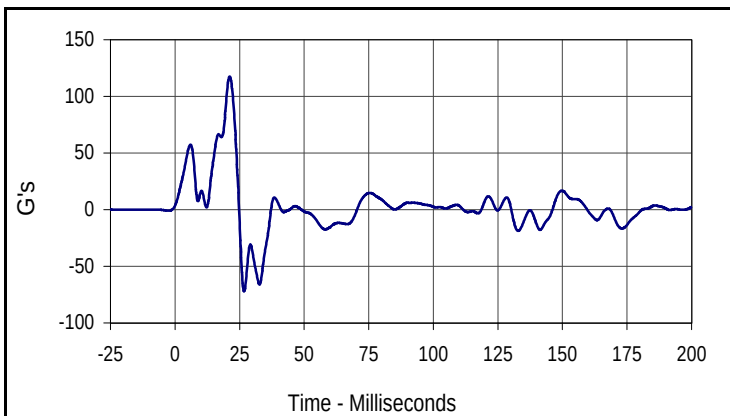
Curve Description			
Vehicle Left Front Door CL Y			
CURNO	Type	SAE Class	Units
056	FIL	60	G's
Max	Time	Min	Time
231.6	7.3	-103.1	11.9



Curve Description			
Vehicle Right Rear Occupant Compartment			
CURNO	Type	SAE Class	Units
057	FIL	60	G's
Max	Time	Min	Time
27.5	5.6	-1.5	150.1



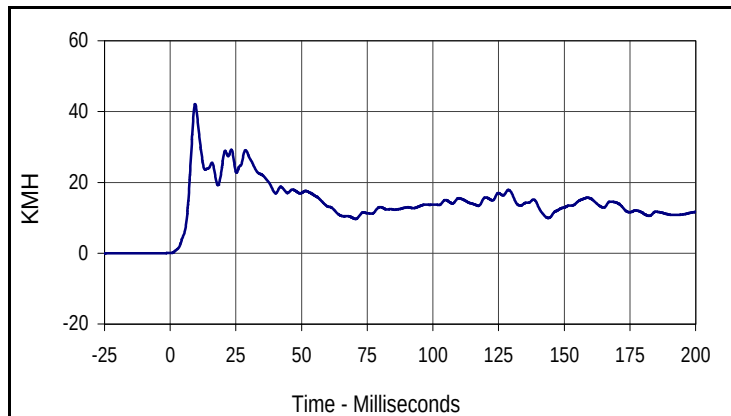
Curve Description			
Vehicle Left Front Door Mid Rear Y			
CURNO	Type	SAE Class	Units
058	FIL	60	G's
Max	Time	Min	Time
140.6	8.2	-88.3	23.4



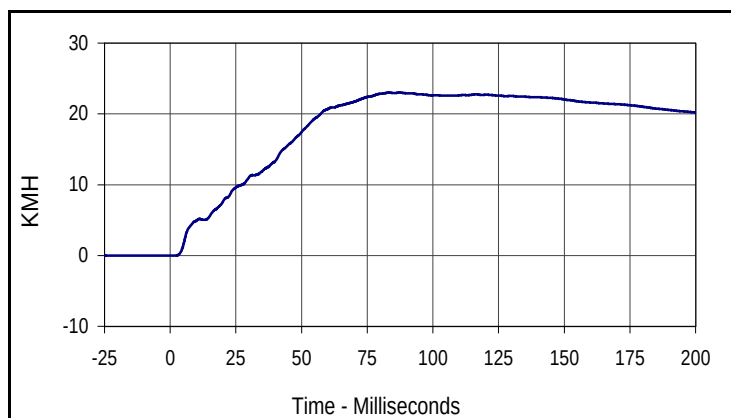
Curve Description			
Vehicle Left Front Door Upper CL Y			
CURNO	Type	SAE Class	Units
059	FIL	60	G's
Max	Time	Min	Time
117.5	21.2	-72.0	26.7

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

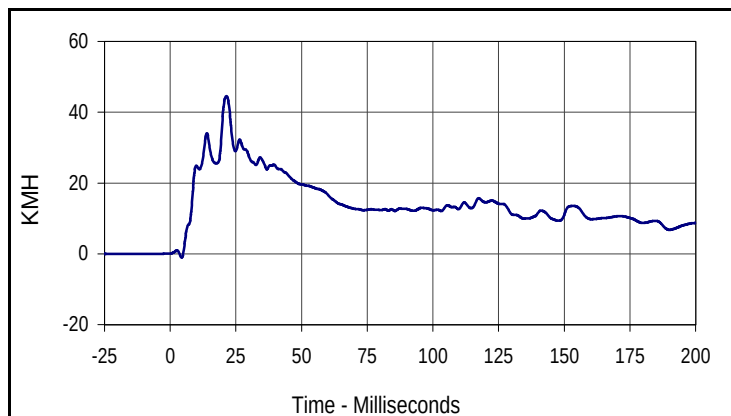
Test Date: 12/14/04
 NHTSA No.: M55303



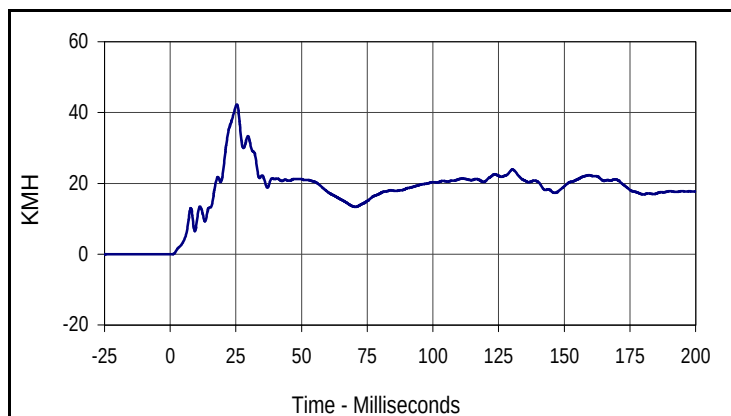
Curve Description			
Vehicle Left Front Door CL Y Velocity			
CURNO	Type	SAE Class	Units
056	IN1	180	KMH
Max	Time	Min	Time
42.1	9.5	0.0	0.0



Curve Description			
Vehicle Right Rear Occupant Compartment Y Velocity			
CURNO	Type	SAE Class	Units
057	IN1	180	KMH
Max	Time	Min	Time
23.0	87.2	0.0	1.7



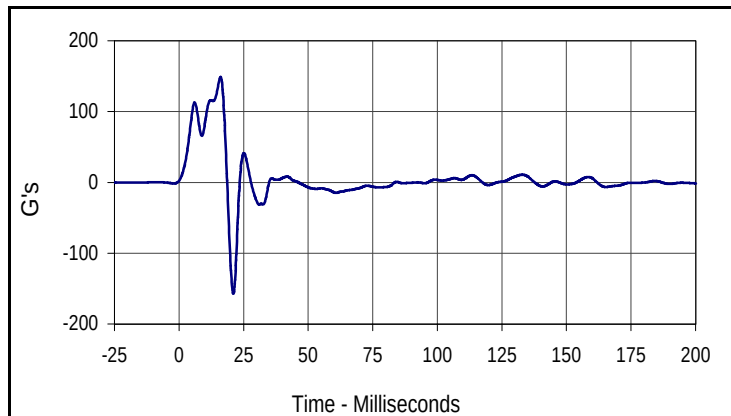
Curve Description			
Vehicle Left Front Door Mid Rear Y Velocity			
CURNO	Type	SAE Class	Units
058	IN1	180	KMH
Max	Time	Min	Time
44.5	21.4	-1.1	4.3



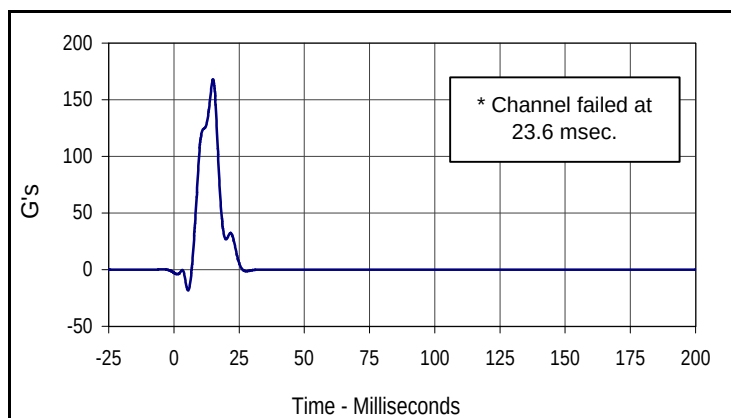
Curve Description			
Vehicle Left Front Door Upper CL Y Velocity			
CURNO	Type	SAE Class	Units
059	IN1	180	KMH
Max	Time	Min	Time
42.3	25.4	0.0	0.7

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04
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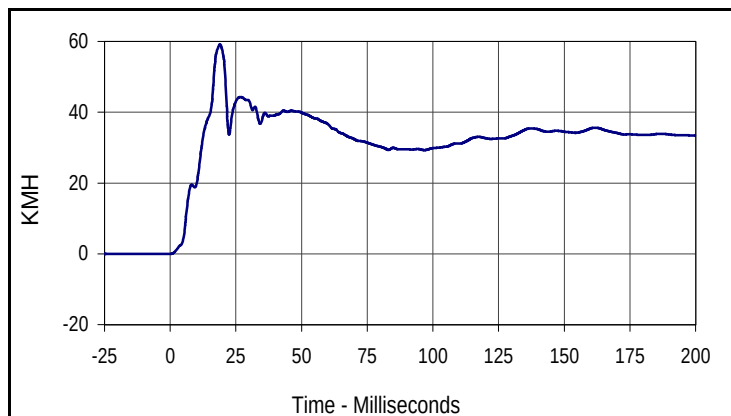


Curve Description			
Vehicle Left Rear Door Mid Rear Y			
CURNO	Type	SAE Class	Units
060	FIL	60	G's
Max	Time	Min	Time
148.7	16.1	-157.1	21.0

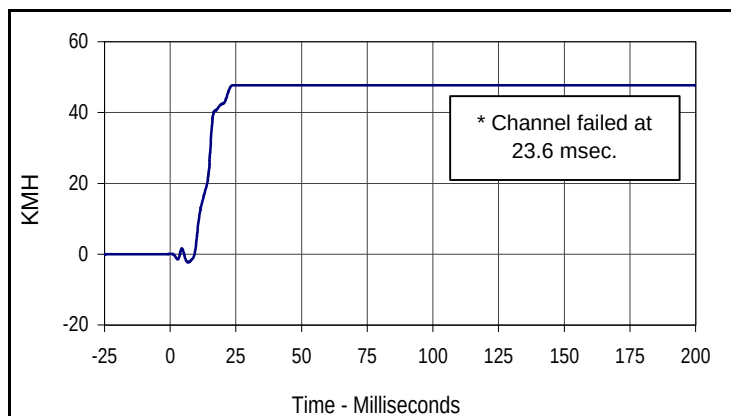


Curve Description			
Vehicle Left Rear Door Upper CL Y			
CURNO	Type	SAE Class	Units
061	FIL	60	G's
Max	Time	Min	Time
168.0	15.0	-18.3	5.4

* Channel failed at 23.6 msec.



Curve Description			
Vehicle Left Rear Door Mid Rear Y Velocity			
CURNO	Type	SAE Class	Units
060	IN1	180	KMH
Max	Time	Min	Time
59.2	18.9	0.0	0.0

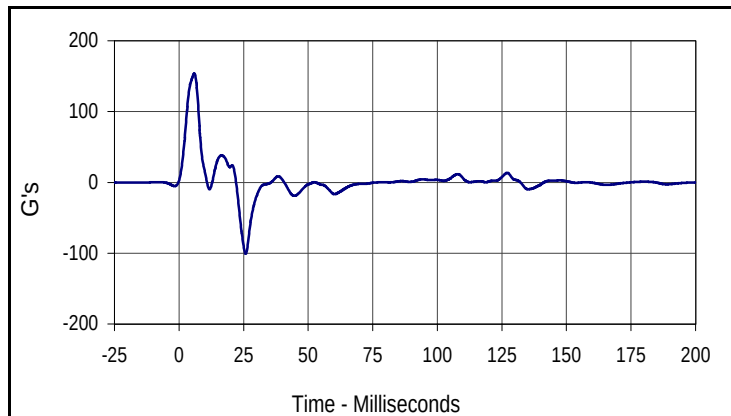


Curve Description			
Vehicle Left Rear Door Upper CL Y Velocity			
CURNO	Type	SAE Class	Units
061	IN1	180	KMH
Max	Time	Min	Time
47.7	24.0	-2.3	6.8

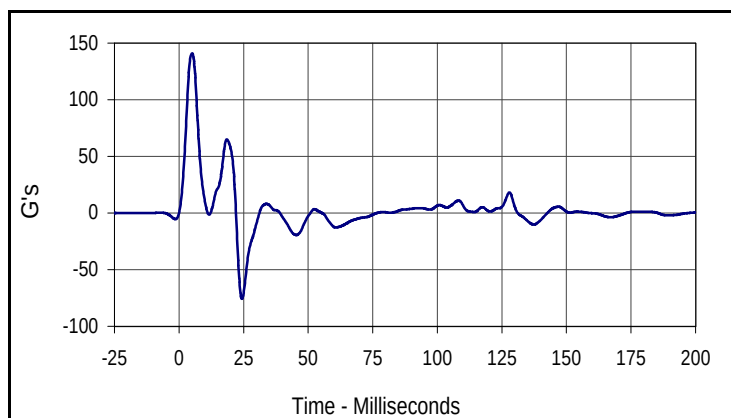
* Channel failed at 23.6 msec.

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

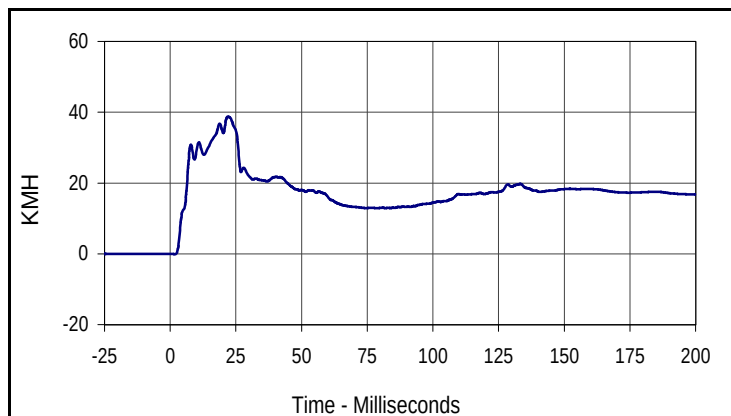
Test Date: 12/14/04
 NHTSA No.: M55303



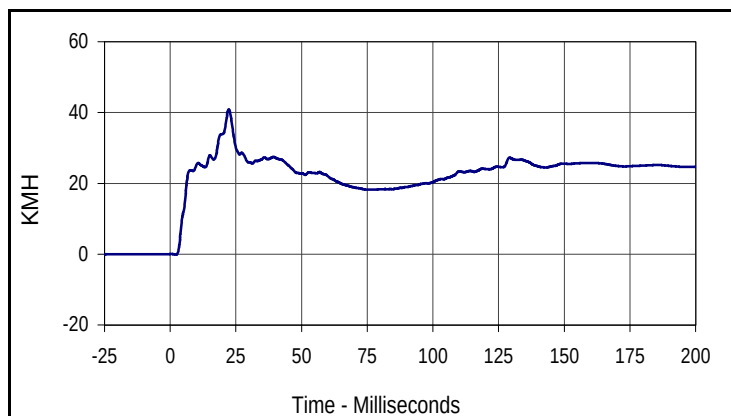
Curve Description			
Vehicle B-Post Lower Y			
CURNO	Type	SAE Class	Units
062	FIL	60	G's
Max	Time	Min	Time
153.7	5.9	-100.8	25.8



Curve Description			
Vehicle B-Post Middle Y			
CURNO	Type	SAE Class	Units
063	FIL	60	G's
Max	Time	Min	Time
140.8	5.0	-75.7	24.4



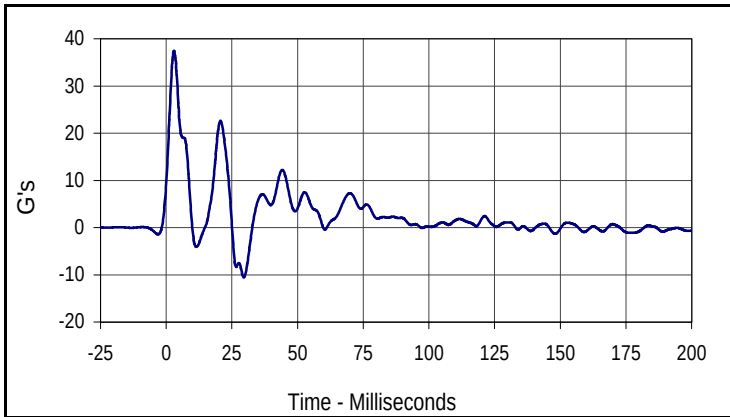
Curve Description			
Vehicle B-Post Lower Y Velocity			
CURNO	Type	SAE Class	Units
062	IN1	180	KMH
Max	Time	Min	Time
38.8	21.9	-0.1	1.8



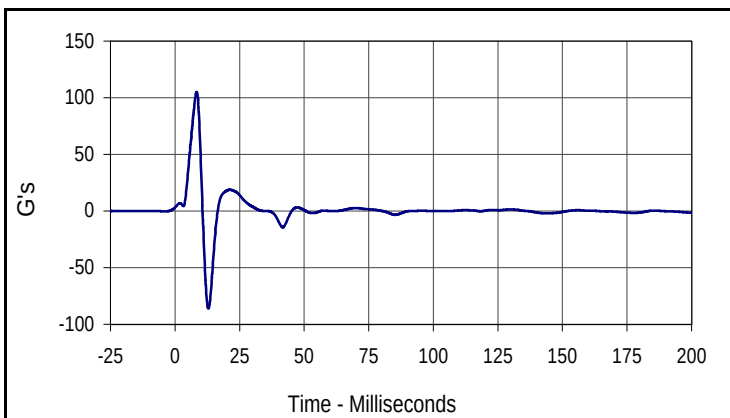
Curve Description			
Vehicle B-Post Middle Y Velocity			
CURNO	Type	SAE Class	Units
063	IN1	180	KMH
Max	Time	Min	Time
40.9	22.3	-0.1	2.2

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

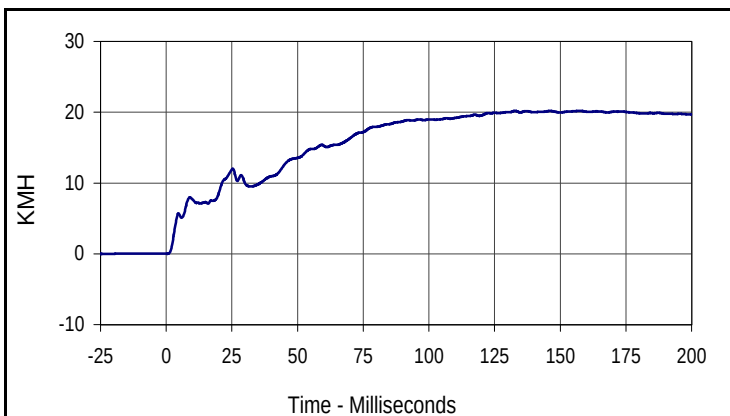
Test Date: 12/14/04
 NHTSA No.: M55303



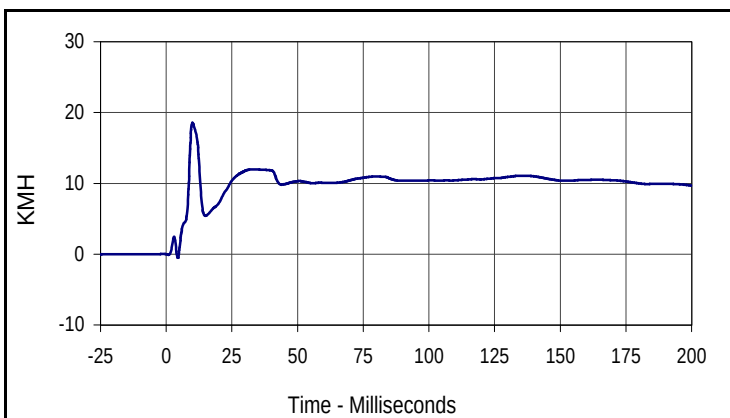
Curve Description			
Vehicle A-Post Lower Y			
CURNO	Type	SAE Class	Units
064	FIL	60	G's
Max	Time	Min	Time
37.4	3.0	-10.6	29.6



Curve Description			
Vehicle A-Post Middle Y			
CURNO	Type	SAE Class	Units
065	FIL	60	G's
Max	Time	Min	Time
105.0	8.4	-86.1	12.9



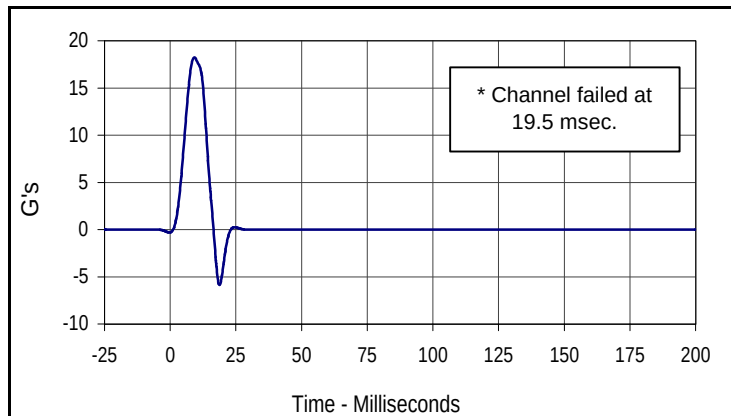
Curve Description			
Vehicle A-Post Lower Y Velocity			
CURNO	Type	SAE Class	Units
064	IN1	180	KMH
Max	Time	Min	Time
20.2	157.4	0.0	0.4



Curve Description			
Vehicle A-Post Middle Y Velocity			
CURNO	Type	SAE Class	Units
065	IN1	180	KMH
Max	Time	Min	Time
18.6	10.0	-0.5	4.4

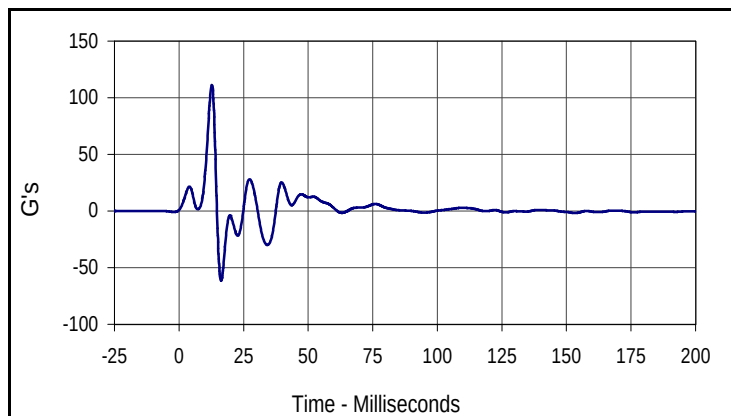
Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04
 NHTSA No.: M55303

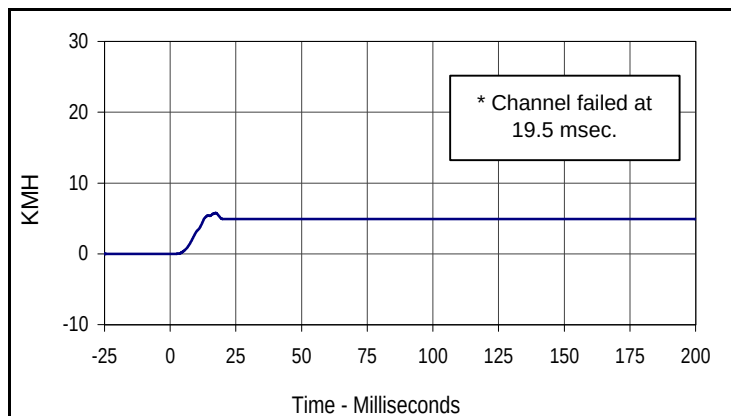


Curve Description			
Vehicle Left Front Seat Track			
CURNO	Type	SAE Class	Units
066	FIL	60	G's
Max	Time	Min	Time
18.2	9.2	-5.9	18.8

* Channel failed at 19.5 msec.

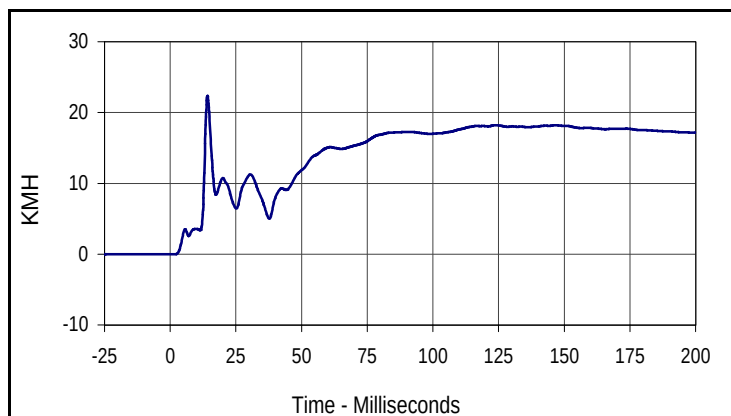


Curve Description			
Vehicle Rear Seat Structure			
CURNO	Type	SAE Class	Units
067	FIL	60	G's
Max	Time	Min	Time
111.4	12.7	-61.5	16.3



Curve Description			
Vehicle Left Front Seat Track Y Velocity			
CURNO	Type	SAE Class	Units
066	IN1	180	KMH
Max	Time	Min	Time
5.8	17.3	0.0	0.6

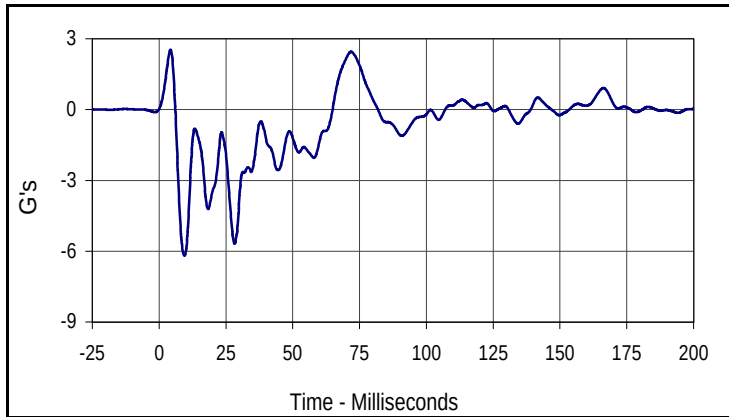
* Channel failed at 19.5 msec.



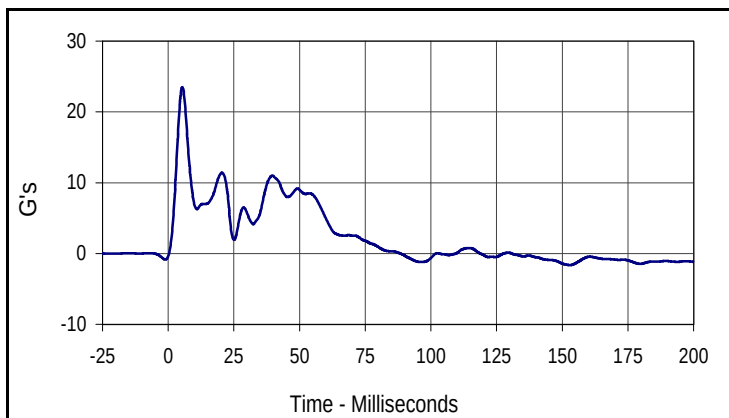
Curve Description			
Vehicle Rear Seat Structure Y Velocity			
CURNO	Type	SAE Class	Units
067	IN1	180	KMH
Max	Time	Min	Time
22.4	14.2	0.0	1.8

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

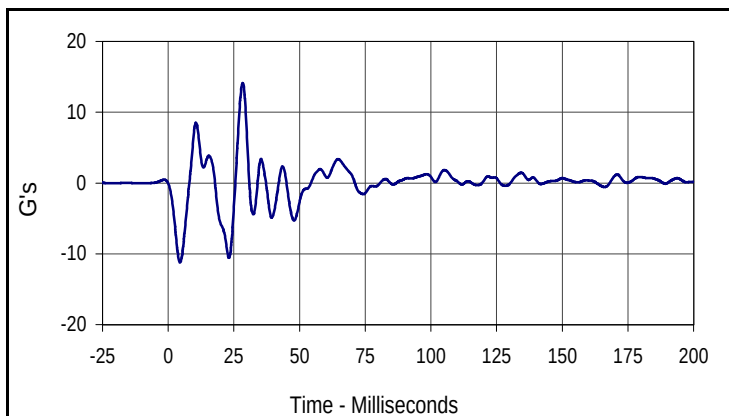
Test Date: 12/14/04
 NHTSA No.: M55303



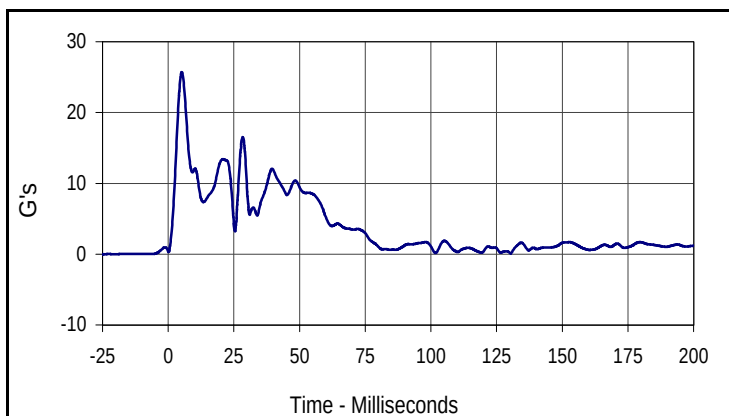
Curve Description			
Vehicle CG X			
CURNO	Type	SAE Class	Units
068	FIL	60	G's
Max	Time	Min	Time
2.5	4.3	-6.2	9.5



Curve Description			
Vehicle CG Y			
CURNO	Type	SAE Class	Units
069	FIL	60	G's
Max	Time	Min	Time
23.5	5.4	-1.6	153.0



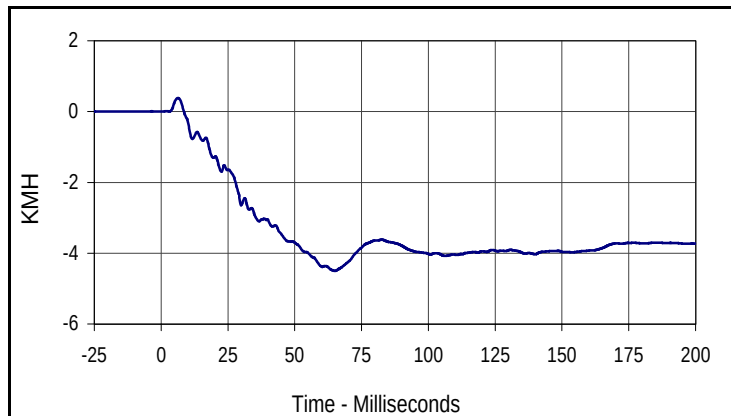
Curve Description			
Vehicle CG Z			
CURNO	Type	SAE Class	Units
070	FIL	60	G's
Max	Time	Min	Time
14.1	28.4	-11.2	4.5



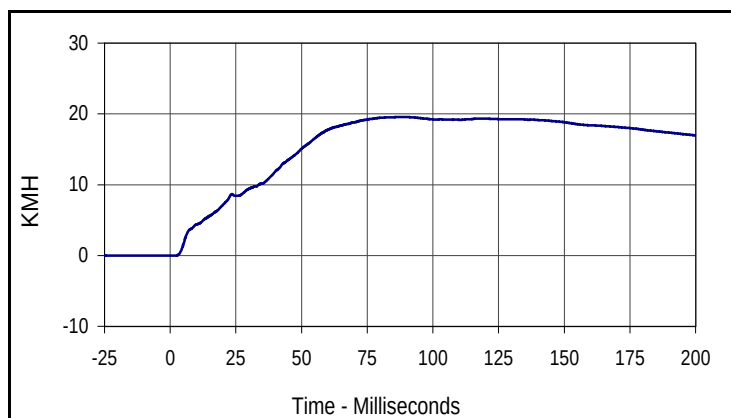
Curve Description			
Vehicle CG Resultant			
CURNO	Type	SAE Class	Units
068	RES	60	G's
Max	Time	Min	Time
25.7	5.2	0.1	130.4

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

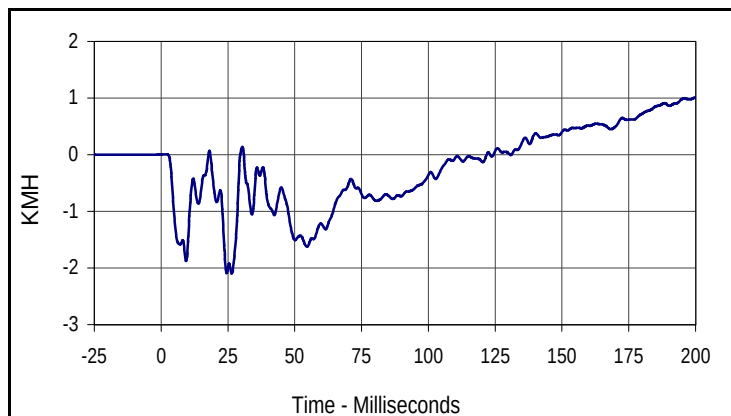
Test Date: 12/14/04
 NHTSA No.: M55303



Curve Description			
Vehicle CG X Velocity			
CURNO	Type	SAE Class	Units
068	IN1	180	KMH
Max	Time	Min	Time
0.4	6.2	-4.5	65.1



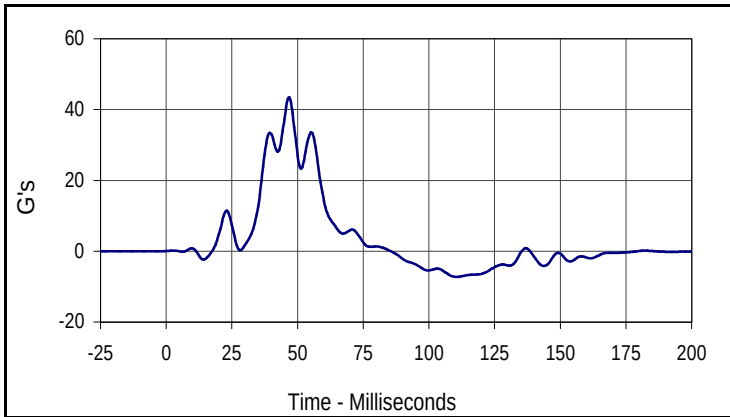
Curve Description			
Vehicle CG Y Velocity			
CURNO	Type	SAE Class	Units
069	IN1	180	KMH
Max	Time	Min	Time
19.6	86.9	0.0	2.1



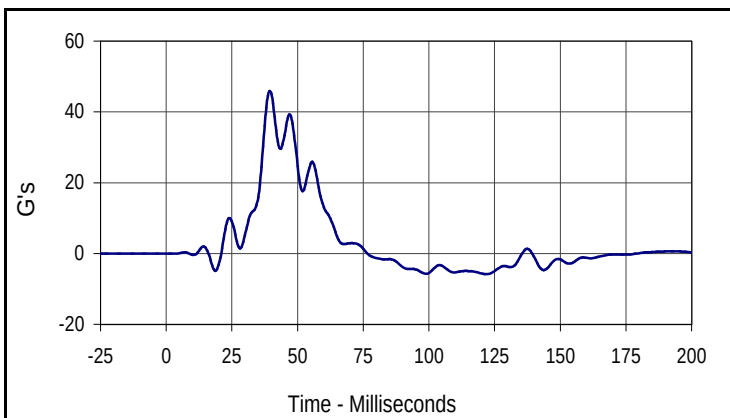
Curve Description			
Vehicle CG Z Velocity			
CURNO	Type	SAE Class	Units
070	IN1	180	KMH
Max	Time	Min	Time
1.0	200.0	-2.1	26.4

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

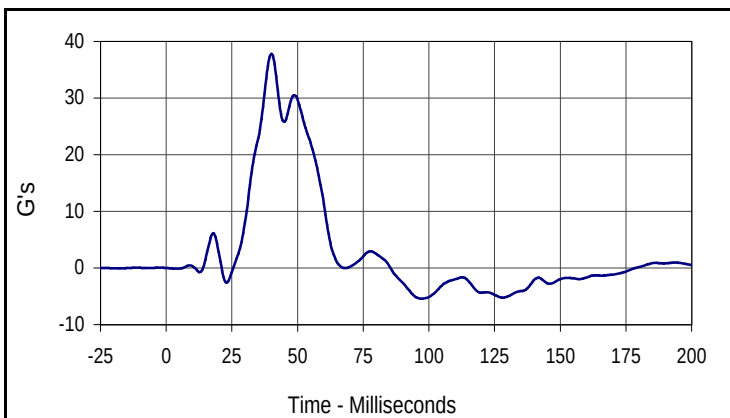
Test Date: 12/14/04
 NHTSA No.: M55303



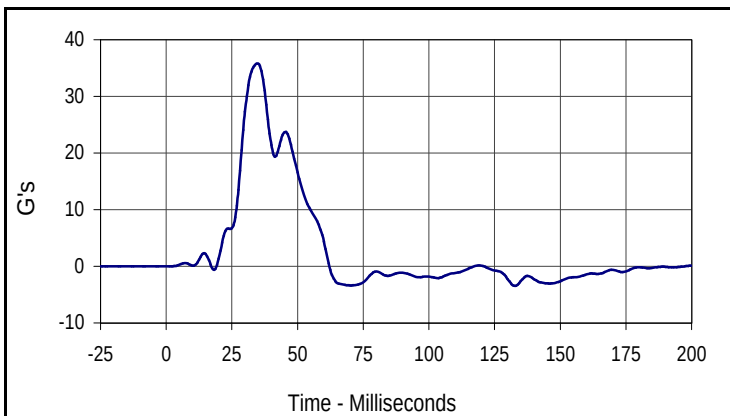
Curve Description			
Driver Upper Rib Primary Y			
CURNO	Type	SAE Class	Units
013	FIR	FIR100	G's
Max	Time	Min	Time
43.5	46.9	-7.3	110.6



Curve Description			
Driver Lower Rib Primary Y			
CURNO	Type	SAE Class	Units
014	FIR	FIR100	G's
Max	Time	Min	Time
45.9	39.4	-5.8	121.9



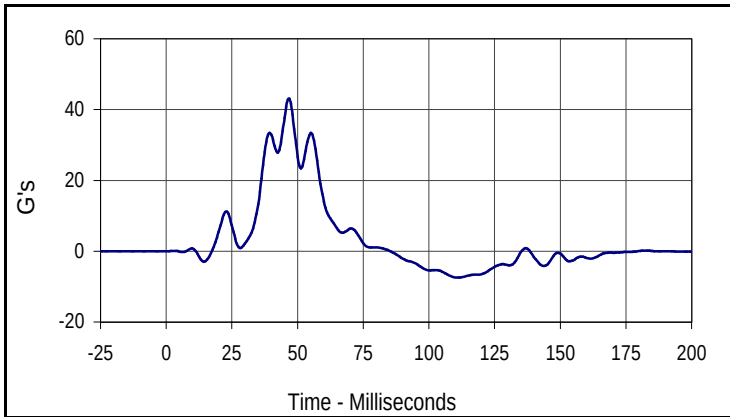
Curve Description			
Driver Lower Spine Primary Y			
CURNO	Type	SAE Class	Units
015	FIR	FIR100	G's
Max	Time	Min	Time
37.8	40.0	-5.4	97.5



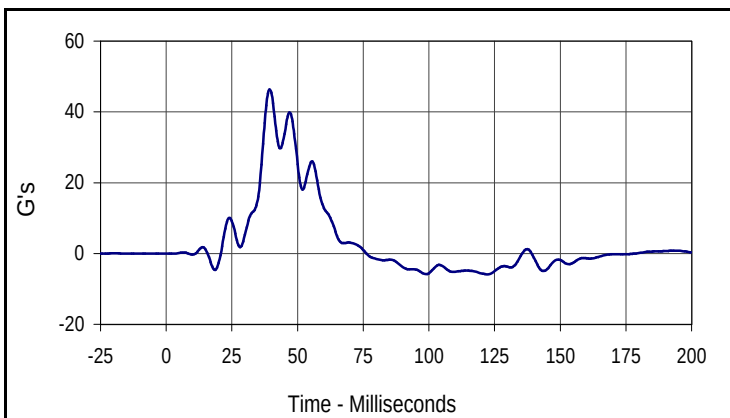
Curve Description			
Driver Pelvis Primary Y			
CURNO	Type	SAE Class	Units
016	FIR	FIR100	G's
Max	Time	Min	Time
35.8	34.4	-3.5	132.5

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

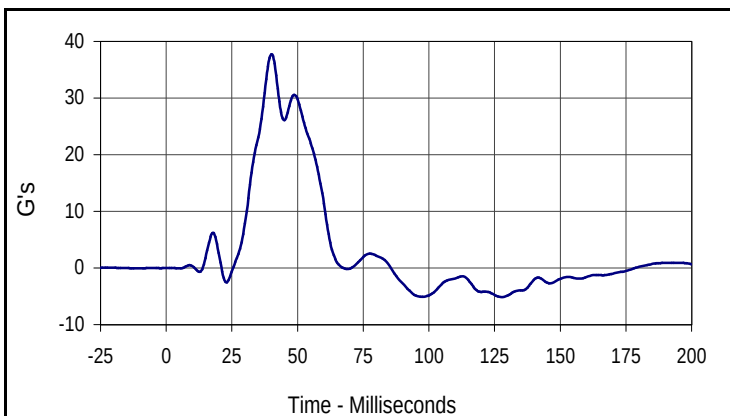
Test Date: 12/14/04
 NHTSA No.: M55303



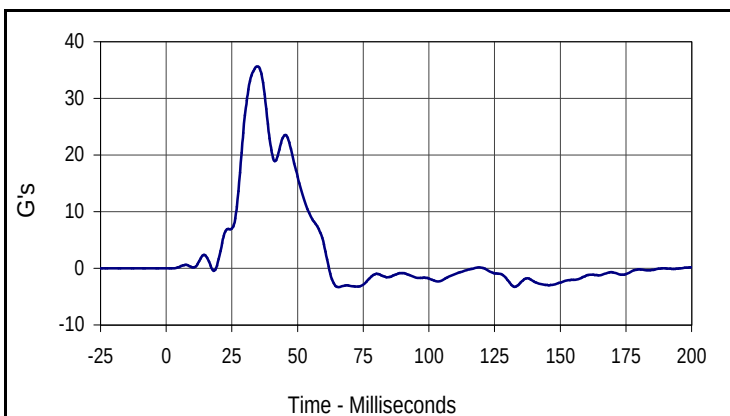
Curve Description			
Driver Upper Rib Redundant Y			
CURNO	Type	SAE Class	Units
017	FIR	FIR100	G's
Max	Time	Min	Time
43.1	46.9	-7.5	111.3



Curve Description			
Driver Lower Rib Redundant Y			
CURNO	Type	SAE Class	Units
018	FIR	FIR100	G's
Max	Time	Min	Time
46.3	39.4	-5.9	121.9



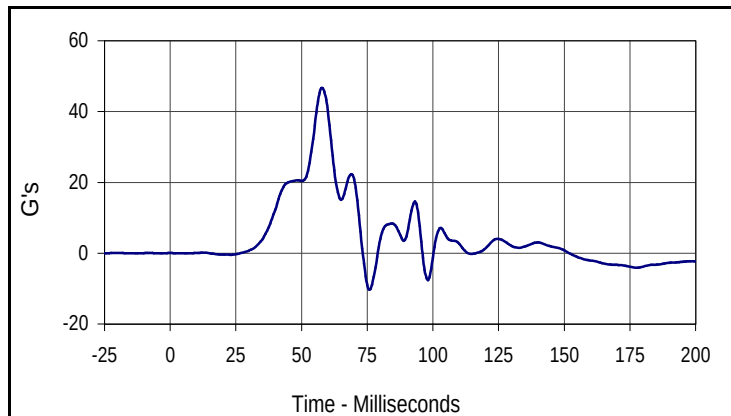
Curve Description			
Driver Lower Spine Redundant Y			
CURNO	Type	SAE Class	Units
019	FIR	FIR100	G's
Max	Time	Min	Time
37.8	40.0	-5.1	127.5



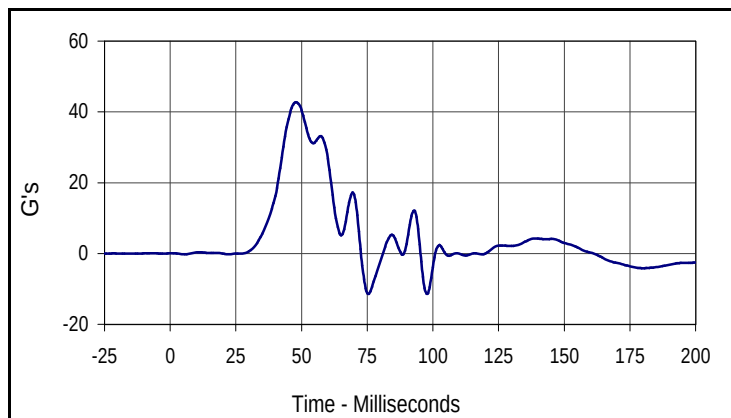
Curve Description			
Driver Pelvis Redundant Y			
CURNO	Type	SAE Class	Units
020	FIR	FIR100	G's
Max	Time	Min	Time
35.6	35.0	-3.3	65.6

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

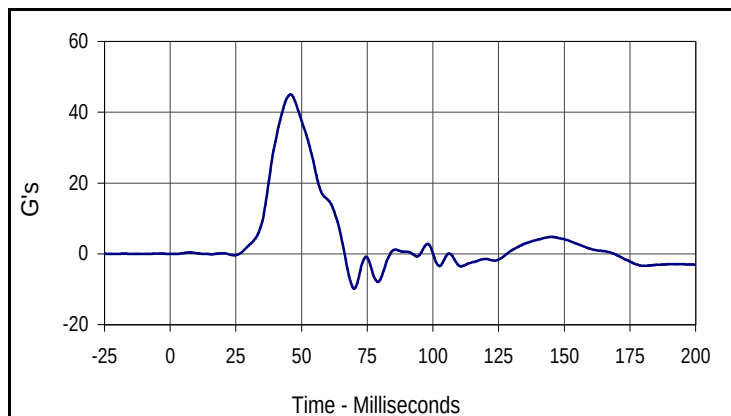
Test Date: 12/14/04
 NHTSA No.: M55303



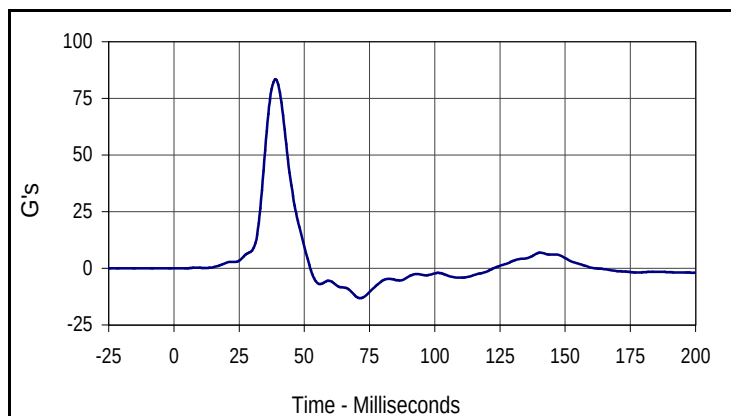
Curve Description			
Passenger Upper Rib Primary Y			
CURNO	Type	SAE Class	Units
035	FIR	FIR100	G's
Max	Time	Min	Time
46.7	58.1	-10.2	75.6



Curve Description			
Passenger Lower Rib Primary Y			
CURNO	Type	SAE Class	Units
036	FIR	FIR100	G's
Max	Time	Min	Time
42.7	48.1	-11.4	75.6



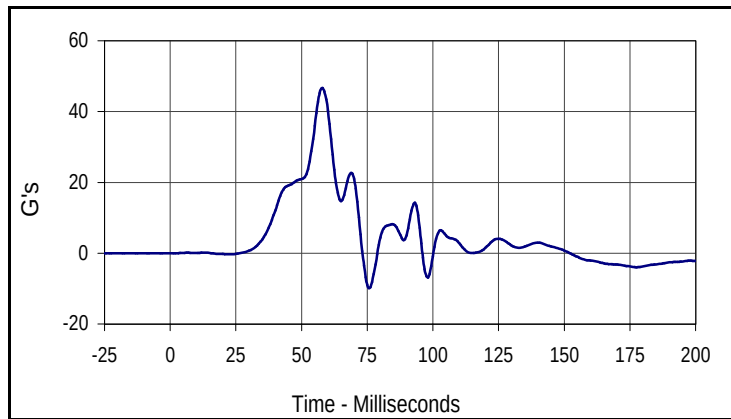
Curve Description			
Passenger Lower Spine Primary Y			
CURNO	Type	SAE Class	Units
037	FIR	FIR100	G's
Max	Time	Min	Time
45.0	45.6	-9.9	70.0



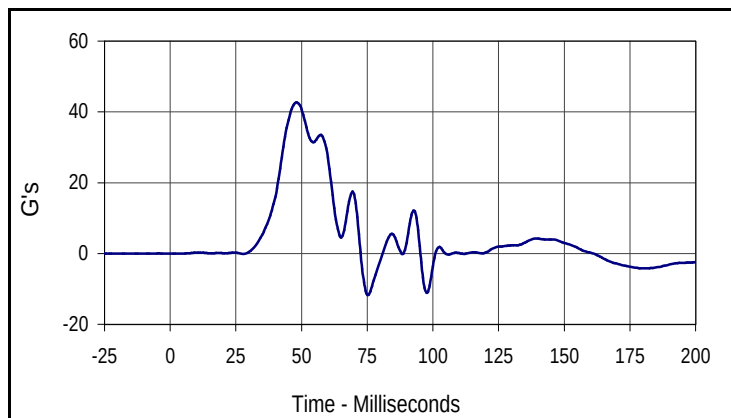
Curve Description			
Passenger Pelvis Primary Y			
CURNO	Type	SAE Class	Units
038	FIR	FIR100	G's
Max	Time	Min	Time
83.5	38.8	-13.2	71.3

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

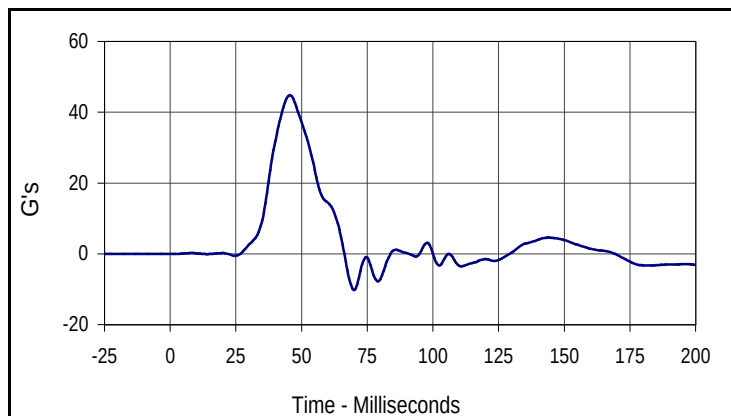
Test Date: 12/14/04
 NHTSA No.: M55303



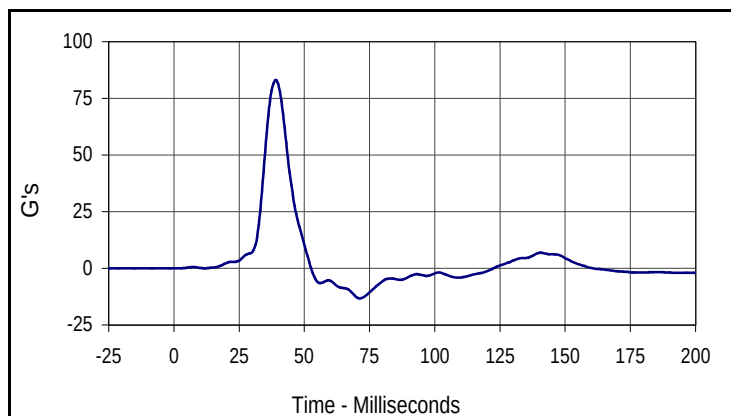
Curve Description			
Passenger Upper Rib Redundant Y			
CURNO	Type	SAE Class	Units
039	FIR	FIR100	G's
Max	Time	Min	Time
46.7	58.1	-9.9	75.6



Curve Description			
Passenger Lower Rib Redundant Y			
CURNO	Type	SAE Class	Units
040	FIR	FIR100	G's
Max	Time	Min	Time
42.7	48.1	-11.7	75.0



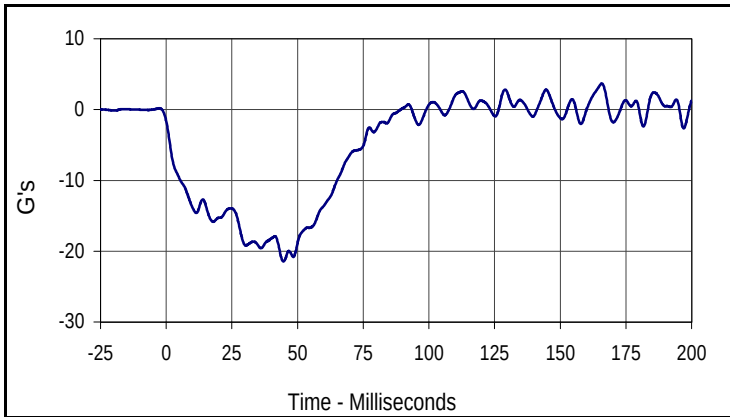
Curve Description			
Passenger Lower Spine Redundant Y			
CURNO	Type	SAE Class	Units
041	FIR	FIR100	G's
Max	Time	Min	Time
44.8	45.6	-10.3	70.0



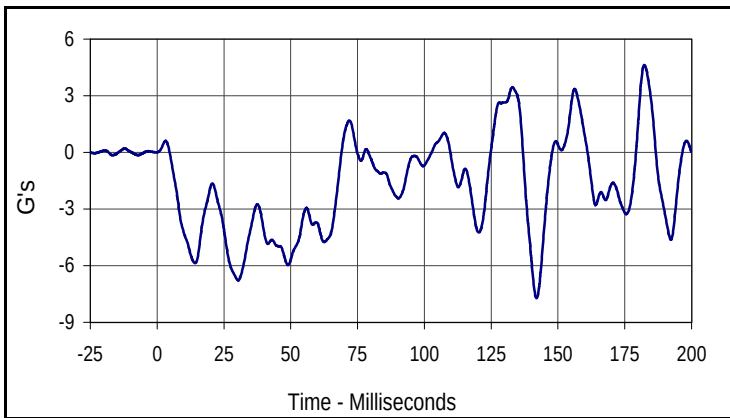
Curve Description			
Passenger Pelvis Redundant Y			
CURNO	Type	SAE Class	Units
042	FIR	FIR100	G's
Max	Time	Min	Time
83.0	38.8	-13.3	71.3

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

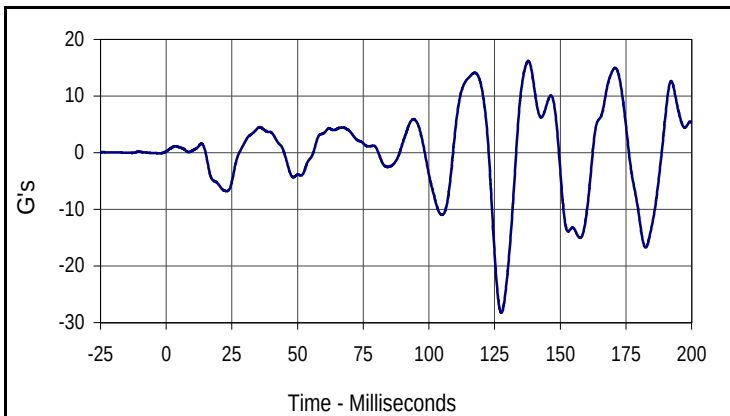
Test Date: 12/14/04
 NHTSA No.: M55303



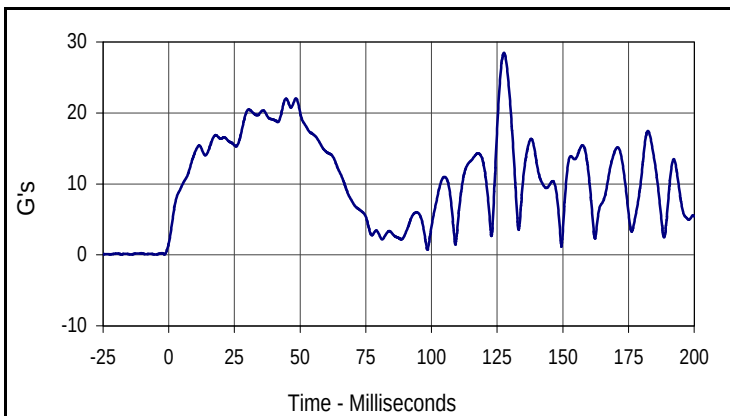
Curve Description			
MDB CG X			
CURNO	Type	SAE Class	Units
071	FIL	60	G's
Max	Time	Min	Time
3.7	165.8	-21.5	44.6



Curve Description			
MDB CG Y			
CURNO	Type	SAE Class	Units
072	FIL	60	G's
Max	Time	Min	Time
4.6	182.3	-7.7	142.0



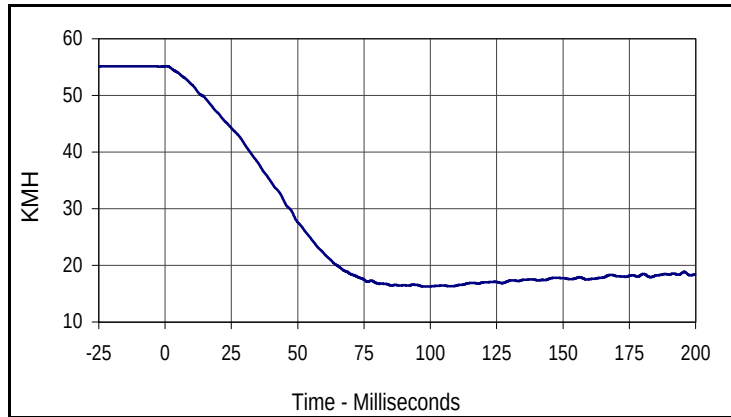
Curve Description			
MDB CG Z			
CURNO	Type	SAE Class	Units
073	FIL	60	G's
Max	Time	Min	Time
16.2	137.8	-28.3	127.6



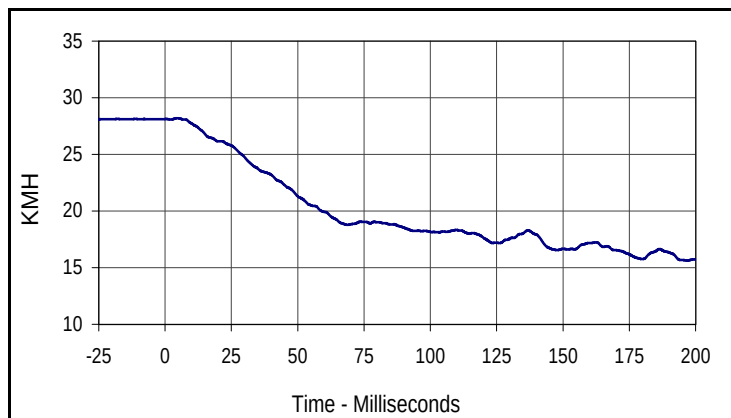
Curve Description			
MDB CG Resultant			
CURNO	Type	SAE Class	Units
071	RES	60	G's
Max	Time	Min	Time
28.4	127.6	0.7	98.5

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

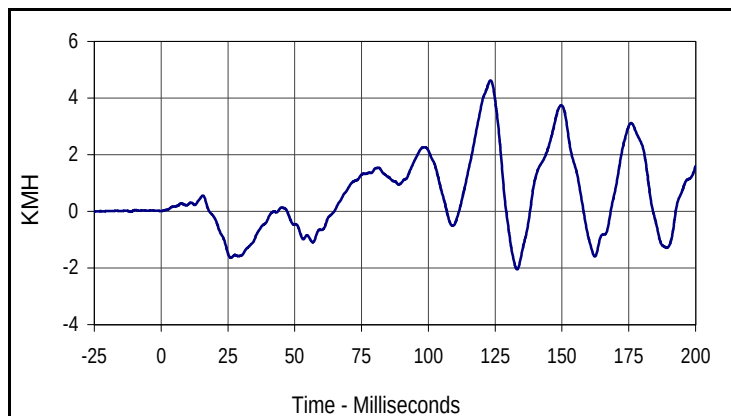
Test Date: 12/14/04
 NHTSA No.: M55303



Curve Description			
MDB CG X Velocity			
CURNO	Type	SAE Class	Units
071	IN1	180	KMH
Max	Time	Min	Time
55.1	0.7	16.3	97.9



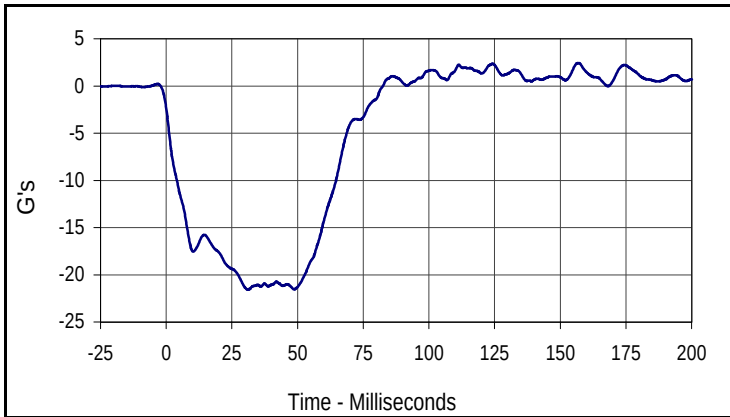
Curve Description			
MDB CG Y Velocity			
CURNO	Type	SAE Class	Units
072	IN1	180	KMH
Max	Time	Min	Time
28.2	4.7	15.6	196.8



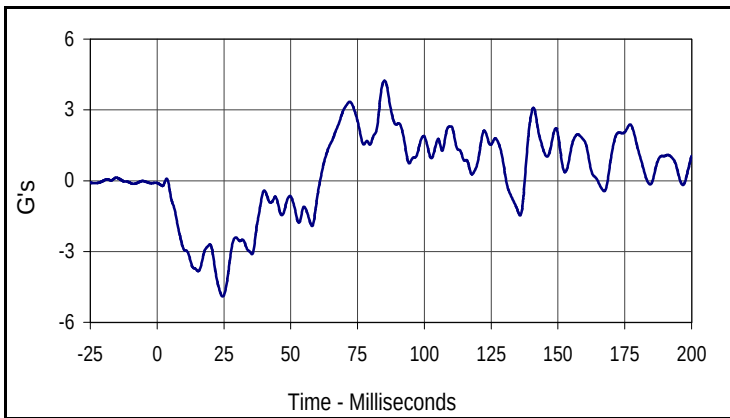
Curve Description			
MDB CG Z Velocity			
CURNO	Type	SAE Class	Units
073	IN1	180	KMH
Max	Time	Min	Time
4.6	123.3	-2.1	133.2

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

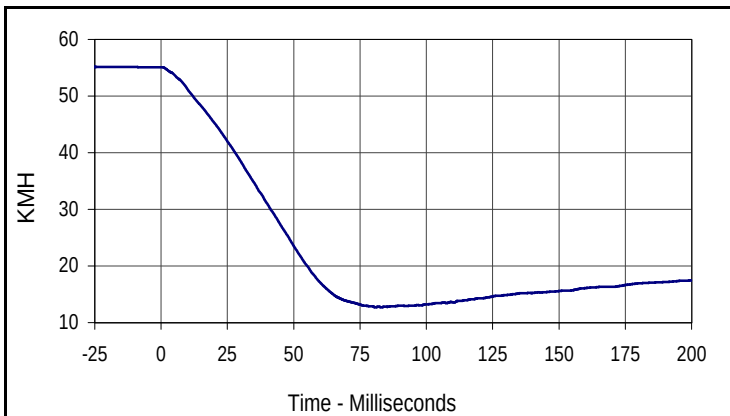
Test Date: 12/14/04
 NHTSA No.: M55303



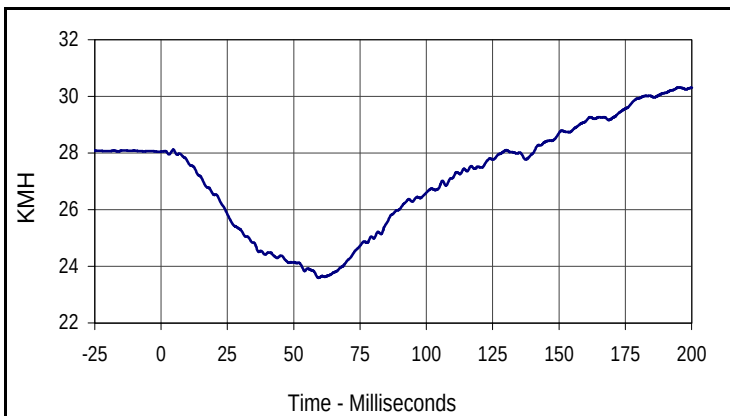
Curve Description			
MDB Rear X			
CURNO	Type	SAE Class	Units
074	FIL	60	G's
Max	Time	Min	Time
2.4	156.8	-21.6	31.1



Curve Description			
MDB Rear Y			
CURNO	Type	SAE Class	Units
075	FIL	60	G's
Max	Time	Min	Time
4.2	85.1	-4.9	24.5



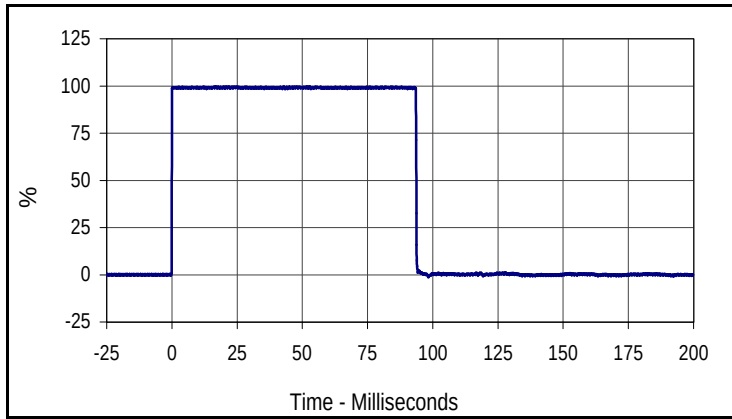
Curve Description			
MDB Rear X Velocity			
CURNO	Type	SAE Class	Units
074	IN1	180	KMH
Max	Time	Min	Time
55.1	0.1	12.7	80.9



Curve Description			
MDB Rear Y Velocity			
CURNO	Type	SAE Class	Units
075	IN1	180	KMH
Max	Time	Min	Time
30.3	195.2	23.6	59.3

Test Vehicle: 2005 Honda Odyssey 5-Door MPV
 Test Program: 55/28 km/h Side Impact NCAP

Test Date: 12/14/04
 NHTSA No.: M55303



Curve Description			
MDB Right Bumper Contact			
CURNO	Type	SAE Class	Units
076	FIL	1000	%
Max	Time	Cross %	Time
99.8	52.8	50.0	0.0

APPENDIX C

SID/HIII CONFIGURATION AND PERFORMANCE VERIFICATION DATA

APPENDIX C
PRE-TEST SID / HIII CONFIGURATION AND PERFORMANCE VERIFICATION DATA

Test Program: SID / HIII External Measurements
ATD Serial No.: 274

Test Date: 12/13/04
Test I.D.: N/A



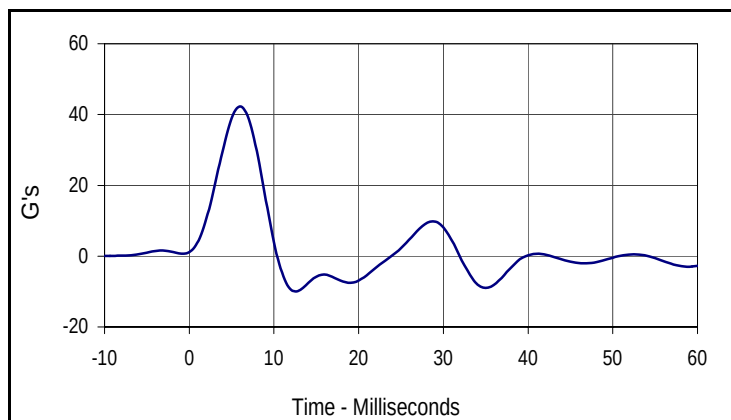
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
SH- Seated Height	mm	889 to 909	902	Pass
HP- Hip Point Height	mm	99 (reference)	99	Pass
RH- Rib Height	mm	502 to 520	515	Pass
KH- Knee Pivot From Back Line	mm	511 to 526	520	Pass
KV- Knee Pivot From Floor	mm	490 to 505	501	Pass
HW- Hip Width	mm	356 to 391	365	Pass
Overall Test Results				Pass

Test Program: SID / HIII Thorax Lateral Impact
 ATD Serial No.: 274

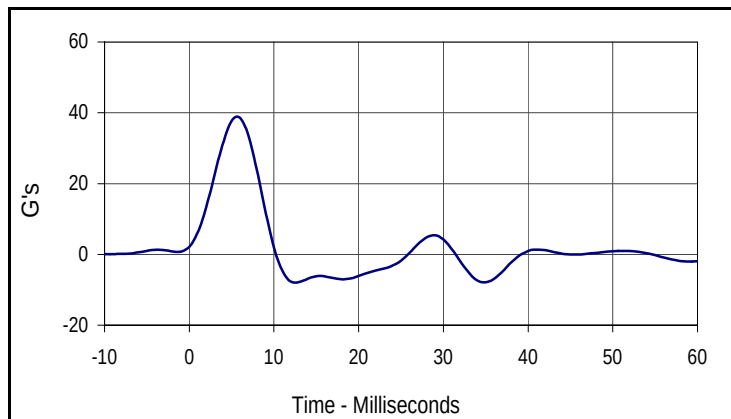
Test Date: 12/9/04
 Test I.D.: TH01A



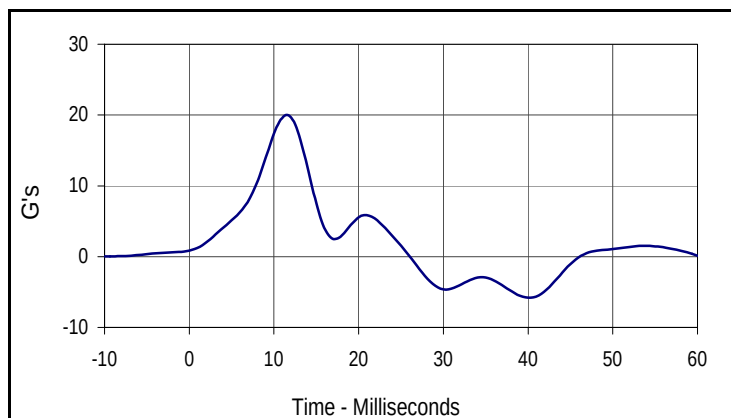
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.27	Pass
Upper Rib Acceleration	G's	37.0 to 46.0	42.1	Pass
Lower Rib Acceleration	G's	37.0 to 46.0	38.9	Pass
Thoracic Spine Acceleration	G's	15.0 to 22.0	19.9	Pass
Overall Test Results			Pass	



Curve Description			
Upper Rib Primary Y			
CURNO	Type	SAE Class	Units
001	FIL	FIR100	G's
Max	Time	Min	Time
42.1	6.3	-9.9	12.5



Curve Description			
Lower Rib Primary Y			
CURNO	Type	SAE Class	Units
002	FIL	FIR100	G's
Max	Time	Min	Time
38.9	5.6	-8.0	12.5



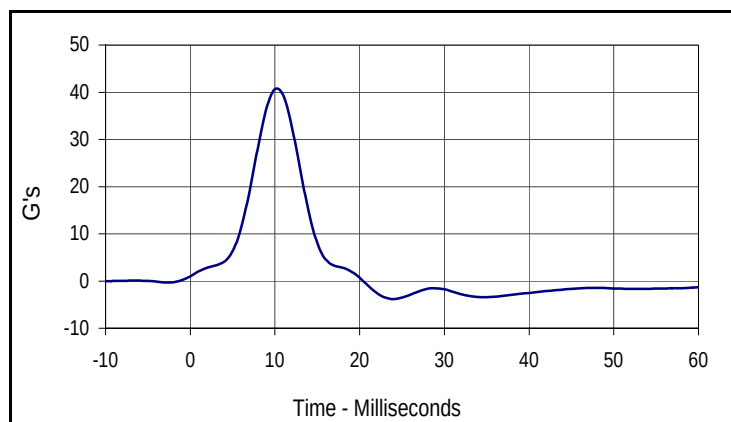
Curve Description			
Lower Spine Primary Y			
CURNO	Type	SAE Class	Units
003	FIL	FIR100	G's
Max	Time	Min	Time
19.9	11.3	-5.8	40.0

Test Program: SID / HIII Pelvis Lateral Impact
 ATD Serial No.: 274

Test Date: 12/9/04
 Test I.D.: PI01A



Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.22	Pass
Peak Pelvis Acceleration	G's	40.0 to 60.0	40.6	Pass
Acceleration Time Above 20 G's	Msec.	3.0 to 7.0	6.25	Pass
Overall Test Results				Pass



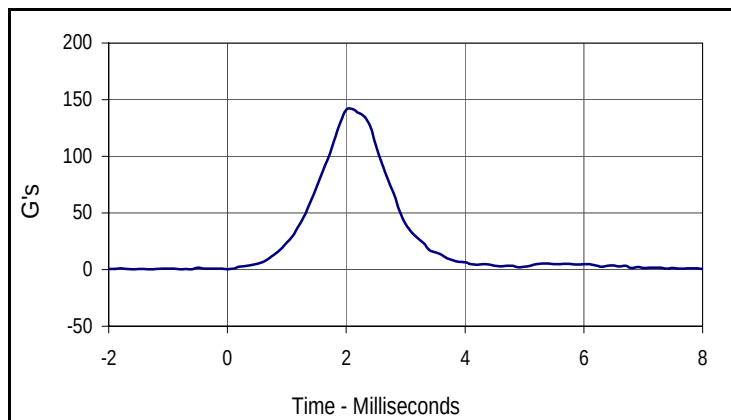
Curve Description			
Pelvis Primary Y			
CURNO	Type	SAE Class	Units
001	FIL	FIR100	G's
Max	Time	Min	Time
40.6	10.0	-3.8	23.8

Test Program: SID / HIII Head Drop Lateral Impact Test
 ATD Serial No.: 274

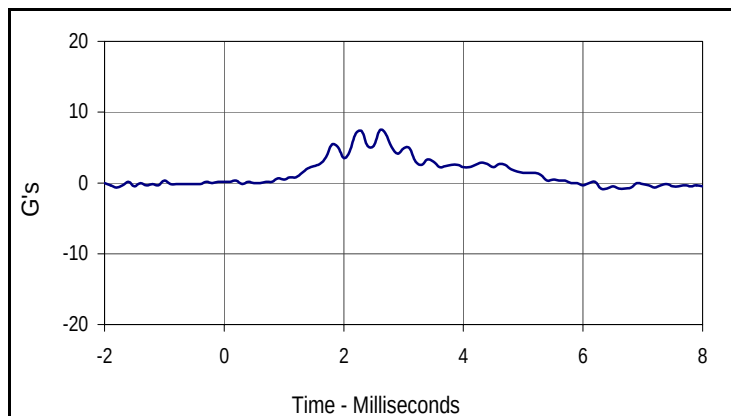
Test Date: 12/13/04
 Test I.D.: HD01A



Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Peak Resultant Acceleration	G's	120.0 to 150.0	141.7	Pass
Peak Longitudinal Acceleration	G's	≤15.0	7.5	Pass
Is Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Oscillations After Main Pulse	%	<15	3.8	Pass
Overall Test Results			Pass	



Curve Description			
Head Resultant			
CURNO	Type	SAE Class	Units
001	RES	1000	G's
Max	Time	Min	Time
141.7	2.1	0.2	-0.8



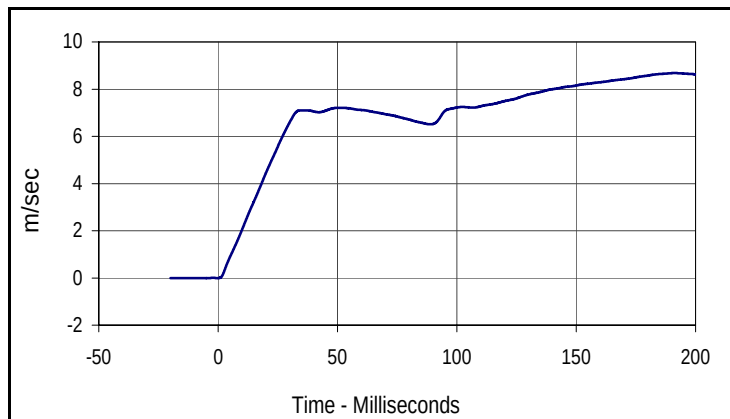
Curve Description			
Head X			
CURNO	Type	SAE Class	Units
002	FIL	1000	G's
Max	Time	Min	Time
7.5	2.6	-0.6	-1.8

Test Program: SID / HIII Neck Pendulum Lateral Test
 ATD Serial No.: 274

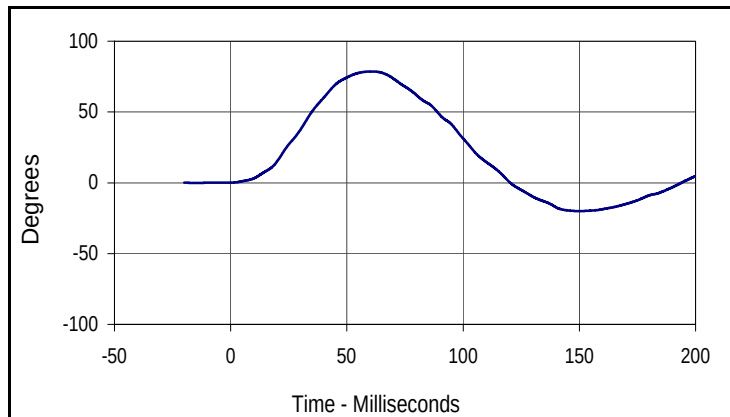
Test Date: 12/13/04
 Test I.D.: NB01A



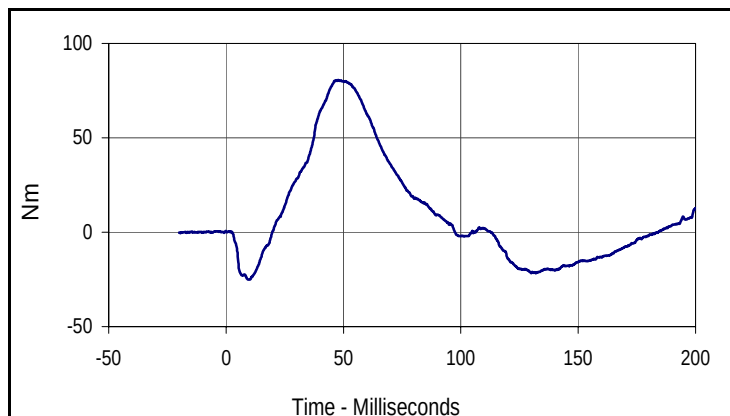
Tested Parameter		Units	Specification	Result	Pass/Fail
Laboratory Temperature		°C	20.6 to 22.2	21.1	Pass
Laboratory Relative Humidity		%	10 to 70	30	Pass
Pendulum Velocity		m/sec	6.89 to 7.13	7.06	Pass
Pendulum Deceleration	10 Msec.	m/sec	1.96 to 2.55	2.04	Pass
	20 Msec.	m/sec	4.12 to 5.10	4.44	Pass
	30 Msec.	m/sec	5.73 to 7.01	6.60	Pass
	40 to 70	m/sec	6.27 to 7.64	7.21	Pass
"D" Plane Rotation	Max	Degrees	66.0 to 82.0	78.6	Pass
Max Rotation Time After Peak Moment		Msec.	2.0 to 16.0	12.8	Pass
Rotation Time From Peak to Zero Angle		Msec.	58.0 to 67.0	59.7	Pass
Moment About Occipital Condyle		Nm	73.0 to 88.0	80.6	Pass
Positive Moment Decay, Time To 0 Nm		Msec.	49.0 to 64.0	49.7	Pass
			Overall Test Results		Pass



Curve Description			
Pendulum Velocity			
CURNO	Type	SAE Class	Units
001	FIL	180	m/sec
Max	Time	Min	Time
8.7	191.2	0.0	0.2



Curve Description			
"D" Plane Rotation			
CURNO	Type	SAE Class	Units
003	FIL	60	Degrees
Max	Time	Min	Time
78.6	60.6	-20.0	149.9



Curve Description			
Moment About Occipital Condyle			
CURNO	Type	SAE Class	Units
004	FIL	600	Nm
Max	Time	Min	Time
80.6	47.8	-25.1	9.8

Test Program: SID / HIII External Measurements
 ATD Serial No.: 275

Test Date: 12/13/04
 Test I.D.: N/A



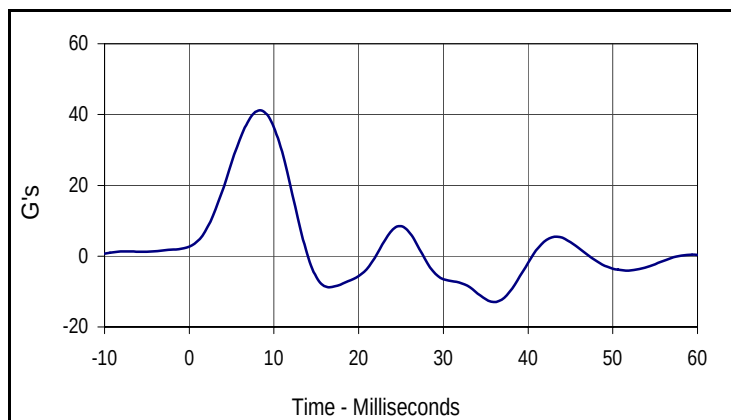
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
SH- Seated Height	mm	889 to 909	900	Pass
HP- Hip Point Height	mm	99 (reference)	99	Pass
RH- Rib Height	mm	502 to 520	509	Pass
KH- Knee Pivot From Back Line	mm	511 to 526	515	Pass
KV- Knee Pivot From Floor	mm	490 to 505	501	Pass
HW- Hip Width	mm	356 to 391	375	Pass
Overall Test Results				Pass

Test Program: SID / HIII Thorax Lateral Impact
 ATD Serial No.: 275

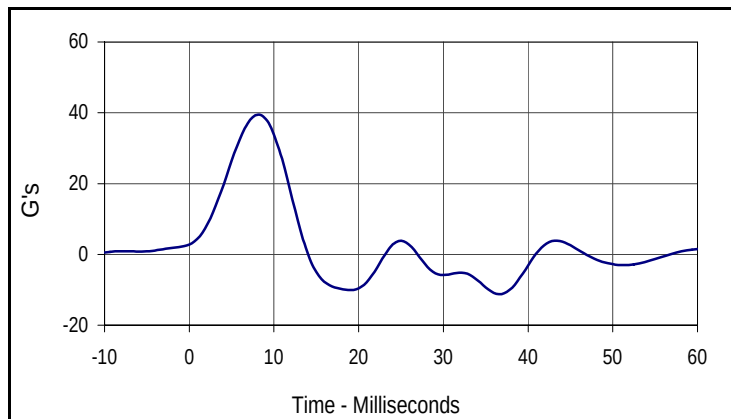
Test Date: 12/9/04
 Test I.D.: TH01B



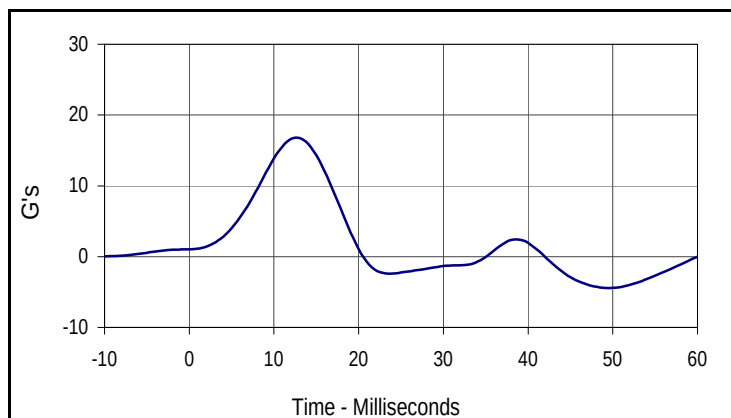
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.27	Pass
Upper Rib Acceleration	G's	37.0 to 46.0	41.1	Pass
Lower Rib Acceleration	G's	37.0 to 46.0	39.5	Pass
Thoracic Spine Acceleration	G's	15.0 to 22.0	16.8	Pass
Overall Test Results			Pass	



Curve Description			
Upper Rib Primary Y			
CURNO	Type	SAE Class	Units
001	FIL	FIR100	G's
Max	Time	Min	Time
41.1	8.1	-12.9	36.3



Curve Description			
Lower Rib Primary Y			
CURNO	Type	SAE Class	Units
002	FIL	FIR100	G's
Max	Time	Min	Time
39.5	8.1	-11.2	36.9



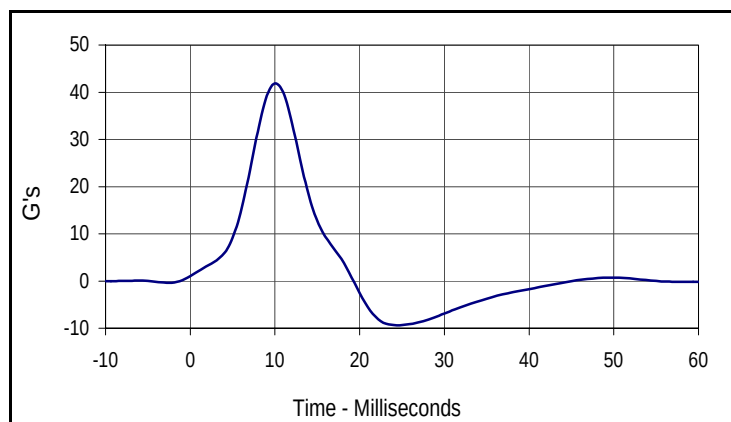
Curve Description			
Lower Spine Primary Y			
CURNO	Type	SAE Class	Units
003	FIL	FIR100	G's
Max	Time	Min	Time
16.8	12.5	-4.4	49.4

Test Program: SID / HIII Pelvis Lateral Impact
 ATD Serial No.: 275

Test Date: 12/9/04
 Test I.D.: PI01B



Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.27	Pass
Peak Pelvis Acceleration	G's	40.0 to 60.0	41.9	Pass
Acceleration Time Above 20 G's	Msec.	3.0 to 7.0	6.88	Pass
Overall Test Results				Pass



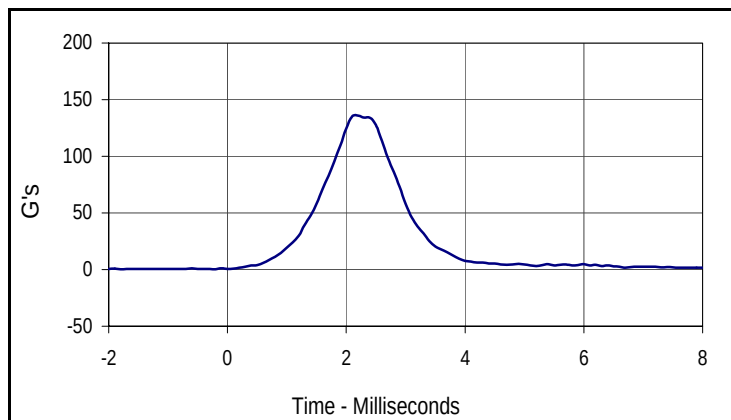
Curve Description			
Pelvis Primary Y			
CURNO	Type	SAE Class	Units
001	FIL	FIR100	G's
Max	Time	Min	Time
41.9	10.0	-9.4	24.4

Test Program: SID / HIII Head Drop Lateral Impact Test
 ATD Serial No.: 275

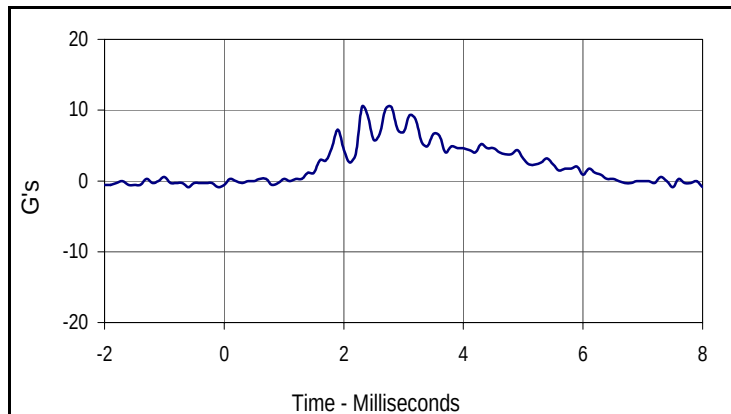
Test Date: 12/13/04
 Test I.D.: HD01B



Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Peak Resultant Acceleration	G's	120.0 to 150.0	135.9	Pass
Peak Longitudinal Acceleration	G's	≤15.0	10.4	Pass
Is Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Oscillations After Main Pulse	%	<15	3.6	Pass
Overall Test Results			Pass	



Curve Description			
Head Resultant			
CURNO	Type	SAE Class	Units
001	RES	1000	G's
Max	Time	Min	Time
135.9	2.2	0.4	-1.8



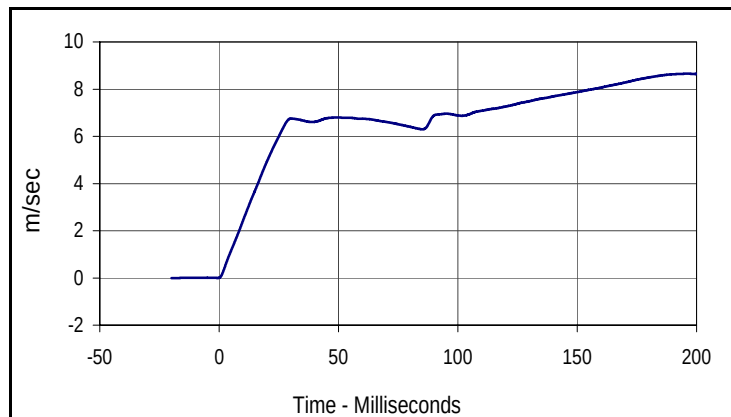
Curve Description			
Head X			
CURNO	Type	SAE Class	Units
002	FIL	1000	G's
Max	Time	Min	Time
10.4	2.3	-0.9	-0.6

Test Program: SID / HIII Neck Pendulum Lateral Test
 ATD Serial No.: 275

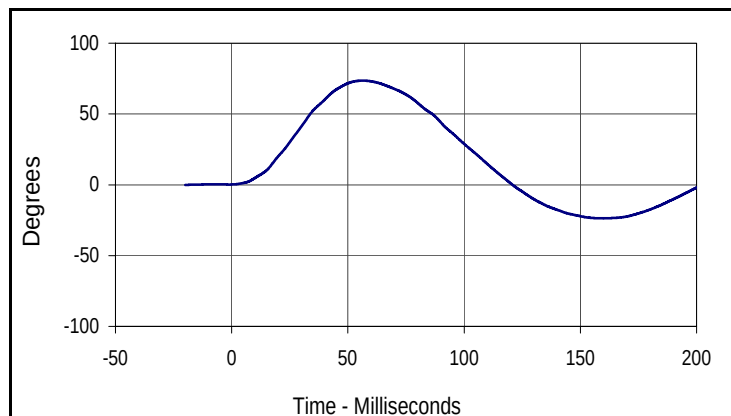
Test Date: 12/13/04
 Test I.D.: NB01B



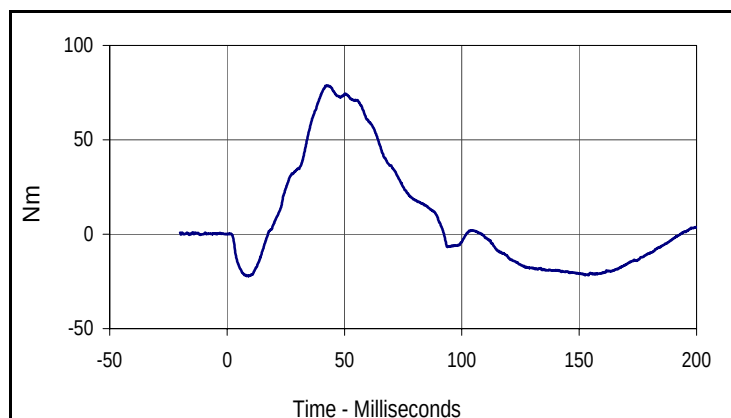
Tested Parameter		Units	Specification	Result	Pass/Fail
Laboratory Temperature		°C	20.6 to 22.2	21.1	Pass
Laboratory Relative Humidity		%	10 to 70	30	Pass
Pendulum Velocity		m/sec	6.89 to 7.13	7.06	Pass
Pendulum Deceleration	10 Msec.	m/sec	1.96 to 2.55	2.44	Pass
	20 Msec.	m/sec	4.12 to 5.10	4.93	Pass
	30 Msec.	m/sec	5.73 to 7.01	6.75	Pass
	40 to 70	m/sec	6.27 to 7.64	6.80	Pass
"D" Plane Rotation	Max	Degrees	66.0 to 82.0	73.5	Pass
Max Rotation Time After Peak Moment		Msec.	2.0 to 16.0	13.4	Pass
Rotation Time From Peak to Zero Angle		Msec.	58.0 to 67.0	64.6	Pass
Moment About Occipital Condyle		Nm	73.0 to 88.0	78.9	Pass
Positive Moment Decay, Time To 0 Nm		Msec.	49.0 to 64.0	49.7	Pass
			Overall Test Results		Pass



Curve Description			
Pendulum Velocity			
CURNO	Type	SAE Class	Units
001	FIL	180	m/sec
Max	Time	Min	Time
8.7	196.0	0.0	-0.5



Curve Description			
"D" Plane Rotation			
CURNO	Type	SAE Class	Units
003	FIL	60	Degrees
Max	Time	Min	Time
73.5	56.2	-23.7	159.4



Curve Description			
Moment About Occipital Condyle			
CURNO	Type	SAE Class	Units
004	FIL	600	Nm
Max	Time	Min	Time
78.9	42.8	-22.2	9.2

APPENDIX C
POST-TEST SID / HIII CONFIGURATION AND PERFORMANCE VERIFICATION DATA

Test Program: SID / HIII External Measurements
 ATD Serial No.: 274

Test Date: 12/22/04
 Test I.D.: N/A



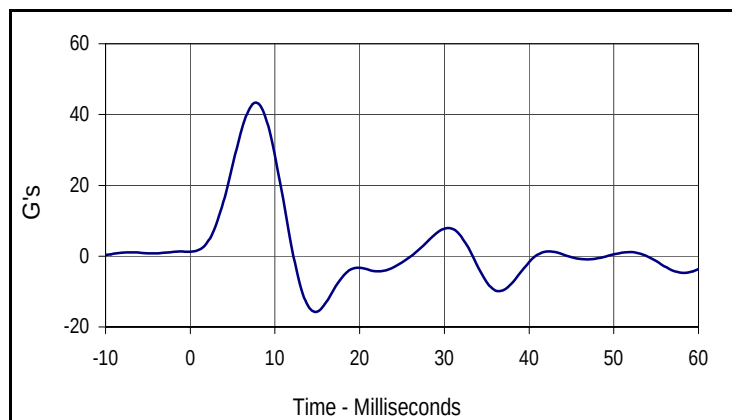
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
SH- Seated Height	mm	889 to 909	905	Pass
HP- Hip Point Height	mm	99 (reference)	99	Pass
RH- Rib Height	mm	502 to 520	510	Pass
KH- Knee Pivot From Back Line	mm	511 to 526	514	Pass
KV- Knee Pivot From Floor	mm	490 to 505	500	Pass
HW- Hip Width	mm	356 to 391	366	Pass
Overall Test Results				Pass

Test Program: SID / HIII Thorax Lateral Impact
 ATD Serial No.: 274

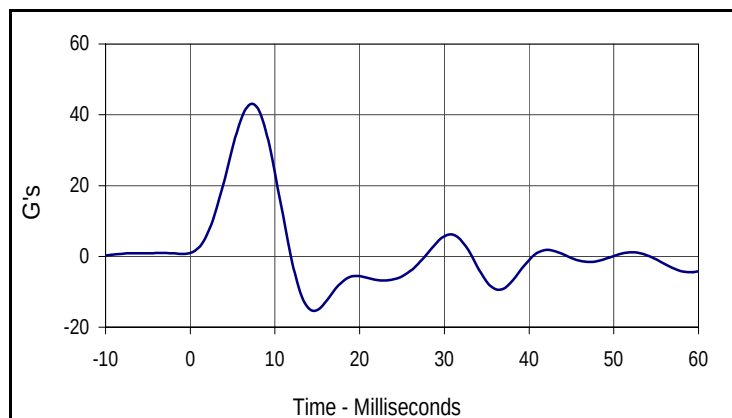
Test Date: 12/20/04
 Test I.D.: TH12F



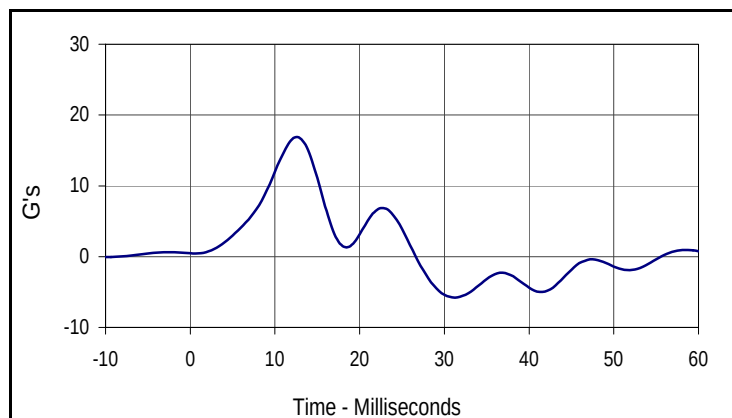
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.25	Pass
Upper Rib Acceleration	G's	37.0 to 46.0	43.2	Pass
Lower Rib Acceleration	G's	37.0 to 46.0	43.0	Pass
Thoracic Spine Acceleration	G's	15.0 to 22.0	16.9	Pass
Overall Test Results			Pass	



Curve Description			
Upper Rib Primary			
CURNO	Type	SAE Class	Units
001	FIL	FIR100	G's
Max	Time	Min	Time
43.2	7.5	-15.6	15.0



Curve Description			
Lower Rib Primary			
CURNO	Type	SAE Class	Units
002	FIL	FIR100	G's
Max	Time	Min	Time
43.0	7.5	-15.3	14.4



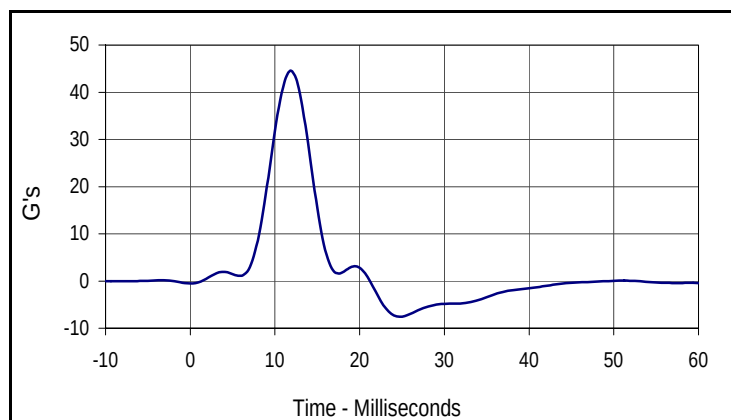
Curve Description			
Lower Spine Primary			
CURNO	Type	SAE Class	Units
003	FIL	FIR100	G's
Max	Time	Min	Time
16.9	12.5	-5.8	31.3

Test Program: SID / HIII Pelvis Lateral Impact
 ATD Serial No.: 274

Test Date: 12/21/04
 Test I.D.: PI12G



Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.25	Pass
Peak Pelvis Acceleration	G's	40.0 to 60.0	44.6	Pass
Acceleration Time Above 20 G's	Msec.	3.0 to 7.0	5.63	Pass
Overall Test Results				Pass



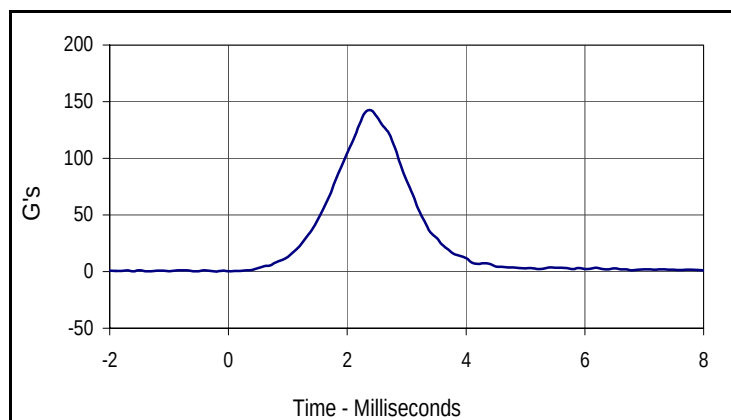
Curve Description			
Pelvis Y			
CURNO	Type	SAE Class	Units
001	FIL	FIR100	G's
Max	Time	Min	Time
44.6	11.9	-7.6	25.0

Test Program: SID / HIII Head Drop Lateral Impact Test
 ATD Serial No.: 274

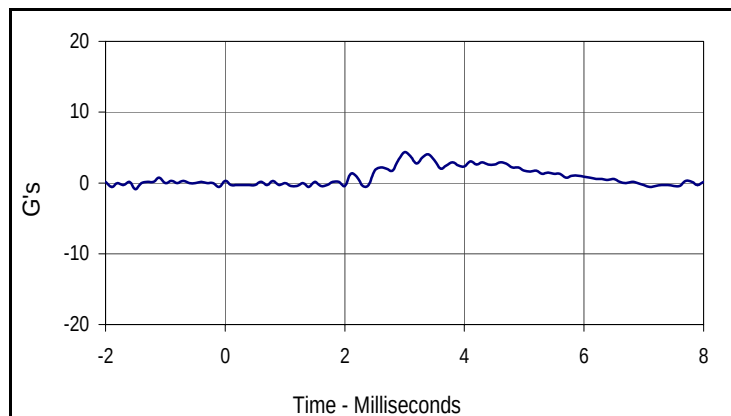
Test Date: 12/21/04
 Test I.D.: HD12J



Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Peak Resultant Acceleration	G's	120.0 to 150.0	142.4	Pass
Peak Longitudinal Acceleration	G's	≤15.0	4.3	Pass
Is Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Oscillations After Main Pulse	%	<15	2.5	Pass
Overall Test Results			Pass	



Curve Description			
Head Resultant			
CURNO	Type	SAE Class	Units
001	RES	1000	G's
Max	Time	Min	Time
142.4	2.4	0.0	-0.2



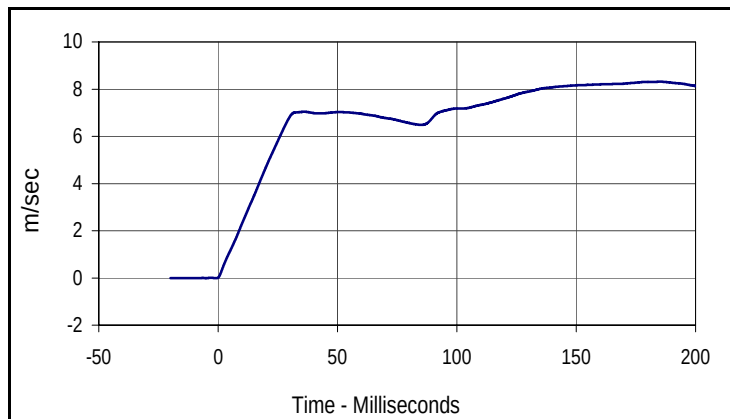
Curve Description			
Head X			
CURNO	Type	SAE Class	Units
002	FIL	1000	G's
Max	Time	Min	Time
4.3	3.0	-0.9	-1.5

Test Program: SID / HIII Neck Pendulum Lateral Test
 ATD Serial No.: 274

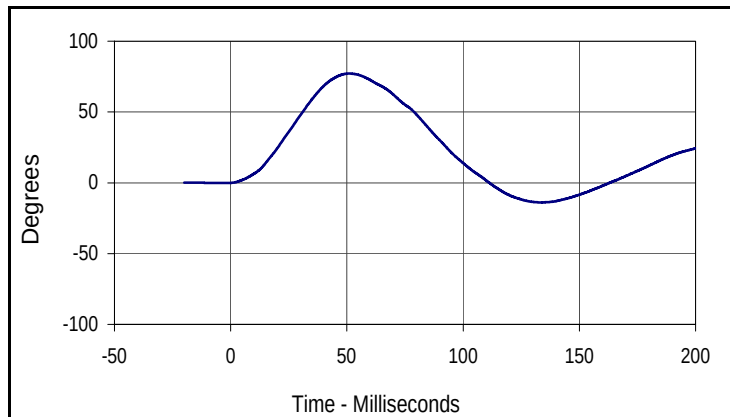
Test Date: 12/22/05
 Test I.D.: NB12H



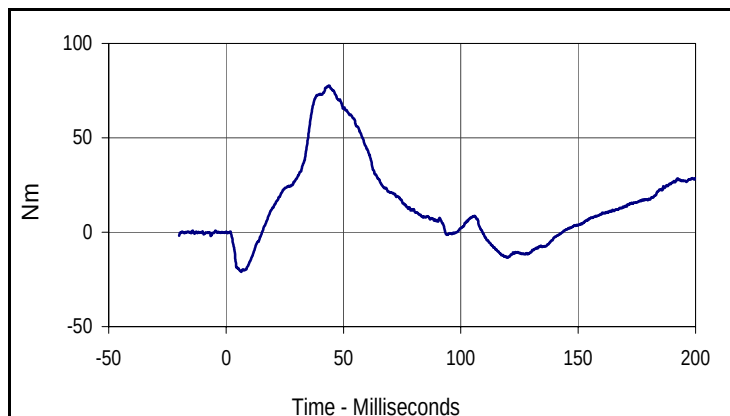
Tested Parameter		Units	Specification	Result	Pass/Fail
Laboratory Temperature		°C	20.6 to 22.2	21.1	Pass
Laboratory Relative Humidity		%	10 to 70	30	Pass
Pendulum Velocity		m/sec	6.89 to 7.13	7.06	Pass
Pendulum Deceleration	10 Msec.	m/sec	1.96 to 2.55	2.31	Pass
	20 Msec.	m/sec	4.12 to 5.10	4.69	Pass
	30 Msec.	m/sec	5.73 to 7.01	6.83	Pass
	40 to 70	m/sec	6.27 to 7.64	7.03	Pass
"D" Plane Rotation	Max	Degrees	66.0 to 82.0	77.1	Pass
Max Rotation Time After Peak Moment		Msec.	2.0 to 16.0	7.0	Pass
Rotation Time From Peak to Zero Angle		Msec.	58.0 to 67.0	60.3	Pass
Moment About Occipital Condyle		Nm	73.0 to 88.0	77.6	Pass
Positive Moment Decay, Time To 0 Nm		Msec.	49.0 to 64.0	49.4	Pass
			Overall Test Results		Pass



Curve Description			
Pendulum Velocity			
CURNO	Type	SAE Class	Units
001	FIL	180	m/sec
Max	Time	Min	Time
8.3	185.1	0.0	-0.7



Curve Description			
"D" Plane Rotation			
CURNO	Type	SAE Class	Units
003	FIL	60	Degrees
Max	Time	Min	Time
77.1	51.0	-13.8	133.5



Curve Description			
Moment About Occipital Condyle			
CURNO	Type	SAE Class	Units
004	FIL	600	Nm
Max	Time	Min	Time
77.6	44.0	-21.0	6.5

Test Program: SID / HIII External Measurements
 ATD Serial No.: 275

Test Date: 12/22/04
 Test I.D.: N/A



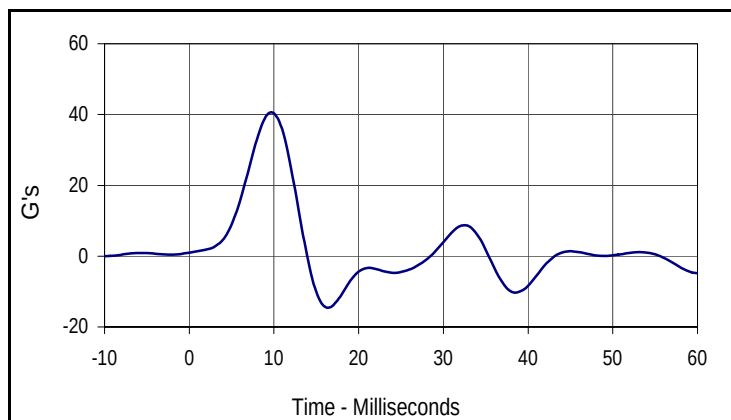
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
SH- Seated Height	mm	889 to 909	894	Pass
HP- Hip Point Height	mm	99 (reference)	99	Pass
RH- Rib Height	mm	502 to 520	506	Pass
KH- Knee Pivot From Back Line	mm	511 to 526	520	Pass
KV- Knee Pivot From Floor	mm	490 to 505	496	Pass
HW- Hip Width	mm	356 to 391	385	Pass
Overall Test Results				Pass

Test Program: SID / HIII Thorax Lateral Impact
 ATD Serial No.: 275

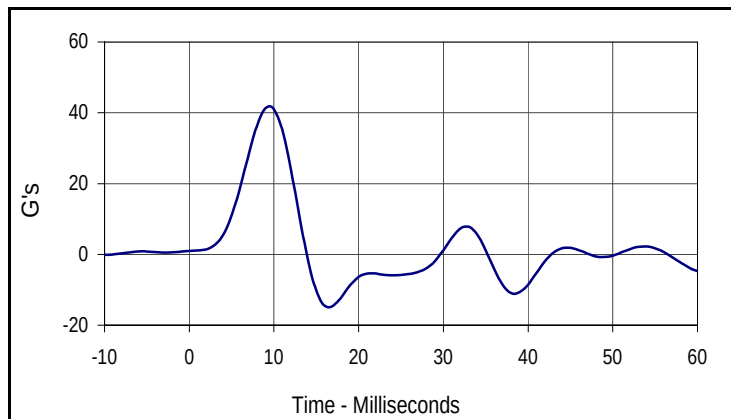
Test Date: 12/20/04
 Test I.D.: TH12G



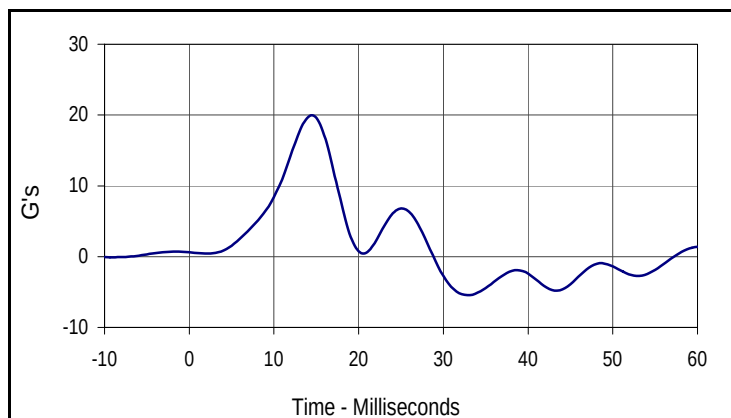
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.25	Pass
Upper Rib Acceleration	G's	37.0 to 46.0	40.4	Pass
Lower Rib Acceleration	G's	37.0 to 46.0	41.9	Pass
Thoracic Spine Acceleration	G's	15.0 to 22.0	20.0	Pass
Overall Test Results			Pass	



Curve Description			
Upper Rib Primary			
CURNO	Type	SAE Class	Units
001	FIL	FIR100	G's
Max	Time	Min	Time
40.4	10.0	-14.6	16.3



Curve Description			
Lower Rib Primary			
CURNO	Type	SAE Class	Units
002	FIL	FIR100	G's
Max	Time	Min	Time
41.9	9.4	-14.9	16.3



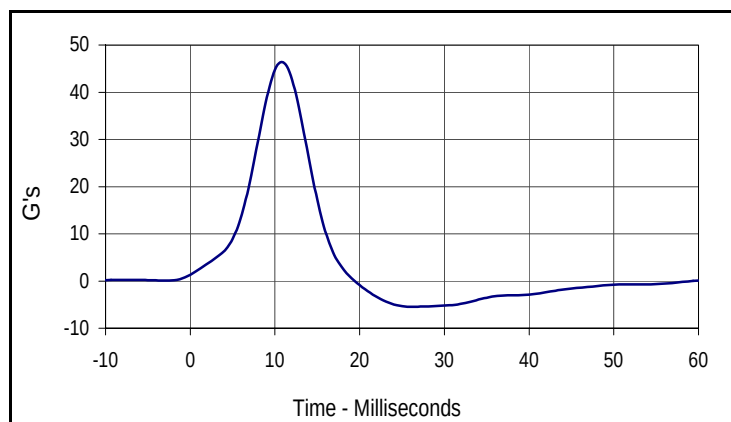
Curve Description			
Lower Spine Primary			
CURNO	Type	SAE Class	Units
003	FIL	FIR100	G's
Max	Time	Min	Time
20.0	14.4	-5.4	33.1

Test Program: SID / HIII Pelvis Lateral Impact
 ATD Serial No.: 275

Test Date: 12/21/04
 Test I.D.: PI12H



Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.30	Pass
Peak Pelvis Acceleration	G's	40.0 to 60.0	46.3	Pass
Acceleration Time Above 20 G's	Msec.	3.0 to 7.0	7.00	Pass
Overall Test Results				Pass



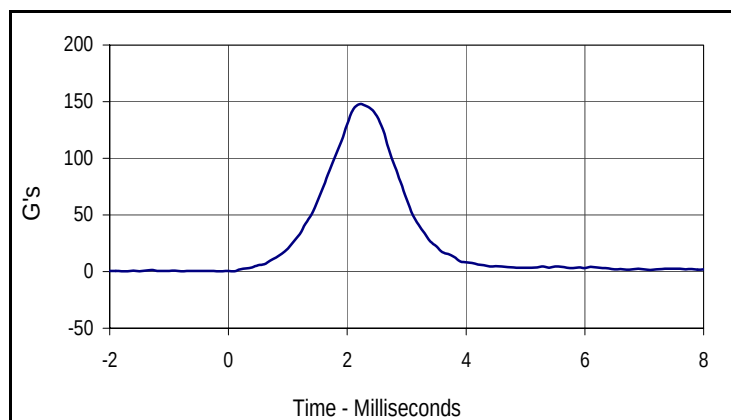
Curve Description			
Pelvis Y			
CURNO	Type	SAE Class	Units
001	FIL	FIR100	G's
Max	Time	Min	Time
46.3	10.6	-5.5	26.3

Test Program: SID / HIII Head Drop Lateral Impact Test
 ATD Serial No.: 275

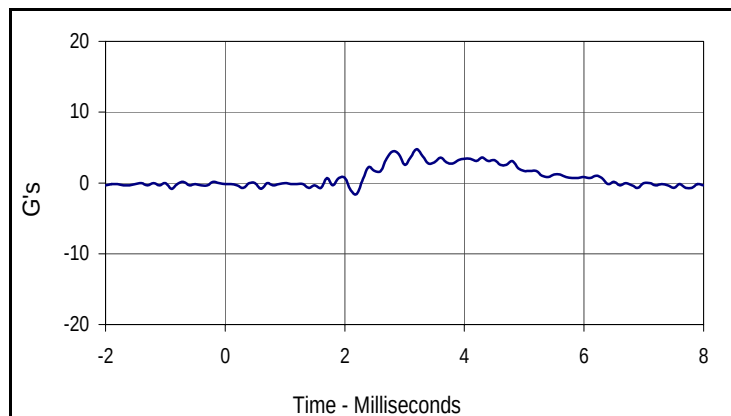
Test Date: 12/21/04
 Test I.D.: HD12K



Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.6	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Peak Resultant Acceleration	G's	120.0 to 150.0	147.8	Pass
Peak Longitudinal Acceleration	G's	≤15.0	4.8	Pass
Is Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Oscillations After Main Pulse	%	<15	3.1	Pass
Overall Test Results			Pass	



Curve Description			
Head Resultant			
CURNO	Type	SAE Class	Units
001	RES	1000	G's
Max	Time	Min	Time
147.8	2.2	0.3	-0.1



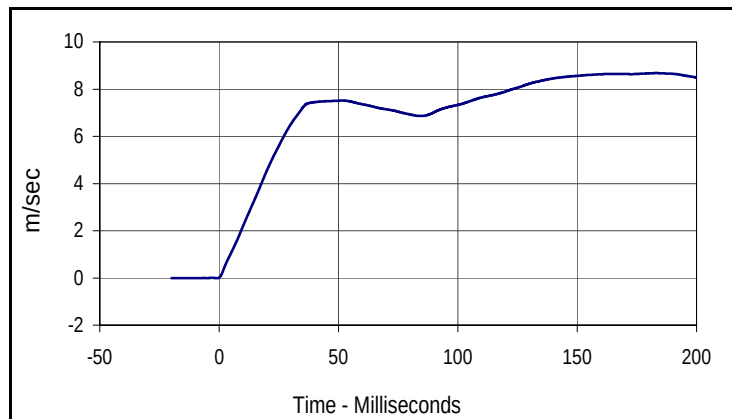
Curve Description			
Head X			
CURNO	Type	SAE Class	Units
002	FIL	1000	G's
Max	Time	Min	Time
4.8	3.2	-1.5	2.2

Test Program: SID / HIII Neck Pendulum Lateral Test
 ATD Serial No.: 275

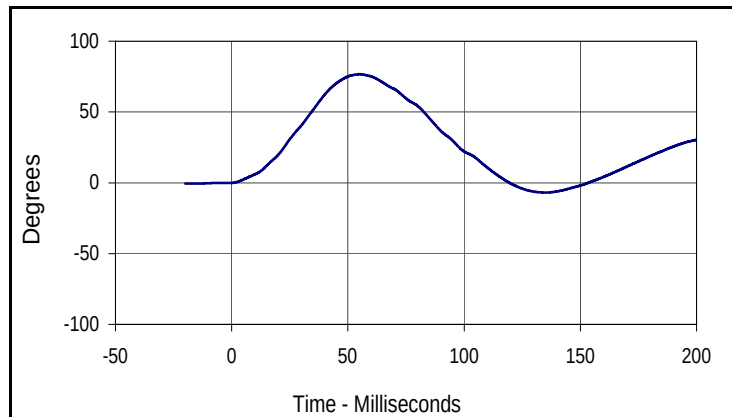
Test Date: 12/22/05
 Test I.D.: NB12L



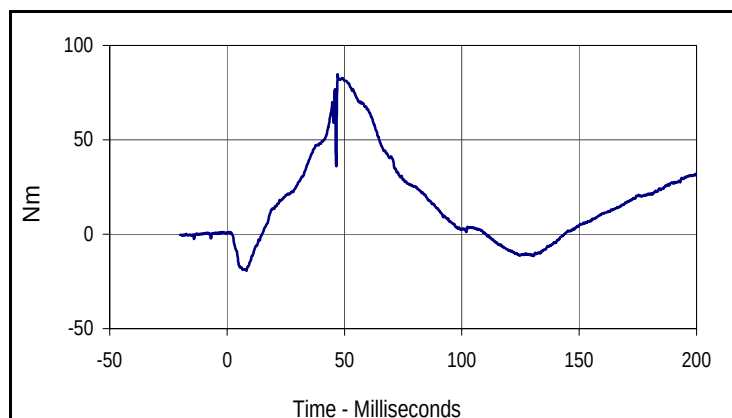
Tested Parameter		Units	Specification	Result	Pass/Fail
Laboratory Temperature		°C	20.6 to 22.2	21.1	Pass
Laboratory Relative Humidity		%	10 to 70	30	Pass
Pendulum Velocity		m/sec	6.89 to 7.13	7.06	Pass
Pendulum Deceleration	10 Msec.	m/sec	1.96 to 2.55	2.19	Pass
	20 Msec.	m/sec	4.12 to 5.10	4.55	Pass
	30 Msec.	m/sec	5.73 to 7.01	6.51	Pass
	40 to 70	m/sec	6.27 to 7.64	7.51	Pass
"D" Plane Rotation	Max	Degrees	66.0 to 82.0	76.6	Pass
Max Rotation Time After Peak Moment		Msec.	2.0 to 16.0	7.8	Pass
Rotation Time From Peak to Zero Angle		Msec.	58.0 to 67.0	64.6	Pass
Moment About Occipital Condyle		Nm	73.0 to 88.0	84.6	Pass
Positive Moment Decay, Time To 0 Nm		Msec.	49.0 to 64.0	63.4	Pass
			Overall Test Results		Pass



Curve Description			
Pendulum Velocity			
CURNO	Type	SAE Class	Units
001	FIL	180	m/sec
Max	Time	Min	Time
8.7	183.2	0.0	-0.6



Curve Description			
"D" Plane Rotation			
CURNO	Type	SAE Class	Units
003	FIL	60	Degrees
Max	Time	Min	Time
76.6	54.9	-6.9	135.2



Curve Description			
Moment About Occipital Condyle			
CURNO	Type	SAE Class	Units
004	FIL	600	Nm
Max	Time	Min	Time
84.6	47.1	-19.4	8.2

APPENDIX D

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

55/28 km/h Side Impact NCAP
Instrumentation Data Channel Assignments
Driver SID/HIII Serial Number 275
12/14/04
2005 Honda Odyssey 5-Door MPV

CH.	LOCATION	AXIS	IDENT. NO.	DESCRIPTION	MFR	MODEL	UNITS
1	Head CG	X	GPAC072X	Accel., Full Bridge	Entran	2000JF	G
2	Head CG	Y	GPAC073Y	Accel., Full Bridge	Entran	2000JF	G
3	Head CG	Z	GPAC074Z	Accel., Full Bridge	Entran	2000JF	G
4	Head CG, Redundant	X	GPAC075X	Accel., Full Bridge	Entran	2000JF	G
5	Head CG, Redundant	Y	GPAC077Y	Accel., Full Bridge	Entran	2000JF	G
6	Head CG, Redundant	Z	GPAC078Z	Accel., Full Bridge	Entran	2000JF	G
7	Neck Force	X	275_NFX	Load cell, six axis neck	R. A. Denton	1716A	N
8	Neck Force	Y	275_NFY	Load cell, six axis neck	R. A. Denton	1716A	N
9	Neck Force	Z	275_NFZ	Load cell, six axis neck	R. A. Denton	1716A	N
10	Neck Moment	X	275_NMX	Load cell, six axis neck	R. A. Denton	1716A	Nm
11	Neck Moment	Y	275_NMY	Load cell, six axis neck	R. A. Denton	1716A	Nm
12	Neck Moment	Z	275_NMZ	Load cell, six axis neck	R. A. Denton	1716A	Nm
13	Upper Rib Primary	Y	KEAC066X	Accel.,1/2 bridge	Endevco	7264-2000X	G
14	Lower Rib, Primary	Y	KEAC067Y	Accel.,1/2 bridge	Endevco	7264-2000Y	G
15	Lower Spine, Primary	Y	KEAC068Z	Accel.,1/2 bridge	Endevco	7264-2000Z	G
16	Pelvis, Primary	Y	KEAC079X	Accel.,1/2 bridge	Endevco	7264-2000X	G
17	Upper Rib Redundant	Y	KEAC073X	Accel.,1/2 bridge	Endevco	7264-2000X	G
18	Lower Rib, Redundant	Y	KEAC074Y	Accel.,1/2 bridge	Endevco	7264-2000Y	G
19	Lower Spine, Redundant	Y	KEAC075Z	Accel.,1/2 bridge	Endevco	7264-2000Z	G
20	Pelvis, Redundant	Y	KEAC081X	Accel.,1/2 bridge	Endevco	7264-2000X	G
21	Thorax Contact	Y	T0	Contact Switch	Tapeswitch	8 oz. Yellow	%
22	Pelvis Contact	Y	T0	Contact Switch	Tapeswitch	8 oz. Yellow	%

55/28 km/h Side Impact NCAP
Instrumentation Data Channel Assignments
Passenger SID/HII Serial Number 274
12/14/04
2005 Honda Odyssey 5-Door MPV

CH.	LOCATION	AXIS	IDENT. NO.	DESCRIPTION	MFR	MODEL	UNITS
23	Head CG	X	GPAC066X	Accel., Full Bridge	Entran	2000JF	G
24	Head CG	Y	GPAC067Y	Accel., Full Bridge	Entran	2000JF	G
25	Head CG	Z	GPAC068Z	Accel., Full Bridge	Entran	2000JF	G
26	Head CG, Redundant	X	GPAC069X	Accel., Full Bridge	Entran	2000JF	G
27	Head CG, Redundant	Y	GPAC070Y	Accel., Full Bridge	Entran	2000JF	G
28	Head CG, Redundant	Z	GPAC071Z	Accel., Full Bridge	Entran	2000JF	G
29	Neck Force	X	274_NFX	Load cell, six axis neck	R. A. Denton	1716A	N
30	Neck Force	Y	274_NFY	Load cell, six axis neck	R. A. Denton	1716A	N
31	Neck Force	Z	274_NFZ	Load cell, six axis neck	R. A. Denton	1716A	N
32	Neck Moment	X	274_NMX	Load cell, six axis neck	R. A. Denton	1716A	Nm
33	Neck Moment	Y	274_NMY	Load cell, six axis neck	R. A. Denton	1716A	Nm
34	Neck Moment	Z	274_NMZ	Load cell, six axis neck	R. A. Denton	1716A	Nm
35	Upper Rib Primary	Y	KEAC070X	Accel.,1/2 bridge	Endevco	7264-2000X	G
36	Lower Rib, Primary	Y	KEAC071Y	Accel.,1/2 bridge	Endevco	7264-2000Y	G
37	Lower Spine, Primary	Y	KEAC072Z	Accel.,1/2 bridge	Endevco	7264-2000Z	G
38	Pelvis, Primary	Y	GPAC065X	Accel.,Full bridge	Endevco	7264A-2000	G
39	Upper Rib Redundant	Y	KEAC076X	Accel.,1/2 bridge	Endevco	7264-2000X	G
40	Lower Rib, Redundant	Y	KEAC077Y	Accel.,1/2 bridge	Endevco	7264-2000Y	G
41	Lower Spine, Redundant	Y	KEAC078Z	Accel.,1/2 bridge	Endevco	7264-2000Z	G
42	Pelvis, Redundant	Y	KEAC089X	Accel.,1/2 bridge	Endevco	7264-2000X	G
43	Thorax Contact	N/A	T0	Contact Switch	Tapeswitch	8 oz. Yellow	%
44	Pelvis Contact	N/A	T0	Contact Switch	Tapeswitch	8 oz. Yellow	%

55/28 km/h Side Impact NCAP
Instrumentation Data Channel Assignments
Vehicle Accelerometers
12/14/04
2005 Honda Odyssey 5-Door MPV

CH.	LOCATION	AXIS	IDENT. NO.	DESCRIPTION	MFR	MODEL	UNITS
45	Right at Sill Front Seat	X	KETX1A	Accel., Triax	I.C. Sensor	3031-200	G
46	Right at Sill Front Seat	Y	KETX1B	Accel., Triax	I.C. Sensor	3031-200	G
47	Right at Sill Front Seat	Z	KETX1C	Accel., Triax	I.C. Sensor	3031-200	G
48	Right at Sill Rear Seat	X	KETX4A	Accel., Triax	I.C. Sensor	3031-500	G
49	Right at Sill Rear Seat	Y	KETX4B	Accel., Triax	I.C. Sensor	3031-500	G
50	Right at Sill Rear Seat	Z	KETX4C	Accel., Triax	I.C. Sensor	3031-500	G
51	Rear Floorpan Above Axle	X	KETX5A	Accel., Triax	I.C. Sensor	3031-500	G
52	Rear Floorpan Above Axle	Y	KETX5B	Accel., Triax	I.C. Sensor	3031-500	G
53	Rear Floorpan Above Axle	Z	KETX5C	Accel., Triax	I.C. Sensor	3031-500	G
54	Left Sill at Rear Door	Y	KEVA012	Accel., Vehicle block	I.C. Sensor	3031-500	G
55	Left Sill at Front Door	Y	KEVA010	Accel., Vehicle block	I.C. Sensor	3031-500	G
56	Left Front Door Centerline	Y	ICST004X	Accel., Triax	I.C. Sensor	3031-500	G
57	Rear Occupant Compartment	Y	KEVA013	Accel., Vehicle block	I.C. Sensor	3031-200	G
58	Left Front Door Mid-Rear	Y	ICST004Y	Accel., Triax	I.C. Sensor	3031-500	G
59	Left Front Door Upper Centerline	Y	ICST004Z	Accel., Triax	I.C. Sensor	3031-500	G
60	Rear Door Mid-Rear	Y	ICST005X	Accel., Triax	I.C. Sensor	3031-500	G
61	Rear Door Upper Centerline	Y	ICST005Y	Accel., Triax	I.C. Sensor	3031-500	G
62	B-Post Lower	Y	KEBX2A	Accel., Biax	I.C. Sensor	3031-500	G
63	B-Post Middle	Y	KEBX2B	Accel., Biax	I.C. Sensor	3031-500	G
64	A-Post Lower	Y	KEBX1A	Accel., Biax	I.C. Sensor	3031-500	G
65	A-Post Middle	Y	KEBX1B	Accel., Biax	I.C. Sensor	3031-500	G
66	Front Seat Track	Y	KEIC008Y	Single	I.C. Sensor	3031-500	G
67	Rear Seat Structure	Y	N/A	N/A	N/A	N/A	N/A
68	Vehicle CG	X	KETX2A	Accel., Triax	I.C. Sensor	3031-200	G
69	Vehicle CG	Y	KETX2B	Accel., Triax	I.C. Sensor	3031-200	G
70	Vehicle CG	Z	KETX2C	Accel., Triax	I.C. Sensor	3031-200	G

55/28 km/h Side Impact NCAP
Instrumentation Data Channel Assignments
Moving Deformable Barrier
12/14/04
2005 Honda Odyssey 5-Door MPV

CH.	LOCATION	AXIS	IDENT. NO.	DESCRIPTION	MFR	MODEL	UNITS
71	MDB CG	X	ICST001X	Accel., Triax	I.C. Sensor	3031-500	G
72	MDB CG	Y	ICST001Y	Accel., Triax	I.C. Sensor	3031-500	G
73	MDB CG	Z	ICST001Z	Accel., Triax	I.C. Sensor	3031-500	G
74	MDB Rear Centerline	X	ICST002X	Accel., Triax	I.C. Sensor	3031-50	G
75	MDB Rear Centerline	Y	ICST002Y	Accel., Triax	I.C. Sensor	3031-50	G
76	Right Bumper Contact	N/A	T0	Contact Switch	Tapeswitch	40 oz. Grey	%