



55/28 km/h Side Impact NCAP Test Summary
2008 Lexus RX350 5-Door MPV NHTSA No. M85103
September 5, 2007

	HIC Values				TTI Values and Pelvic G's	
	Value	t ¹	t ²	Avg. G's	TTI	Pelvis
Driver Primary	96.6	42.6	74.7	24.6	33	48
Left Rear Passenger Primary	342.4	53.1	72.9	49.5	44	70

SID Primary Accelerometer FIR Filtered Data								
Location	Driver (P1)				Left Rear Passenger (P4)			
	Max	Time	Min	Time	Max	Time	Min	Time
Upper Rib (LUR)	27.3	50.7	-2.5	124.4	44.0	57.5	-3.4	172.5
Lower Rib (LLR)	29.4	32.5	-4.2	70.7	34.0	45.7	-4.3	231.9
Lower Spine (T ₁₂)	36.5	35.0	-6.9	75.0	44.3	41.3	-4.5	66.3
Pelvis (PEL)	47.7	27.5	-9.5	63.2	69.8	33.2	-11.8	65.0

	Test Particulars			
	Metric Units		English Units	
	Units	Value	Units	Value
MDB Velocity	km/h	61.73	mph	38.37
MDB Test Weight	kg	1361	lbs	3000
Vehicle Curb Weight	kg	1806	lbs	3982
Vehicle Test Weight	kg	2032	lbs	4480
Vehicle Width	MM	1828	Inches	72.0
Vehicle Wheelbase	MM	2717	Inches	107.0
Vehicle Length	MM	4719	Inches	185.8

	Airbag Deployment			
	Driver (P1)		Left Rear Passenger (P4)	
	Deployment	Mount	Deployment	Mount
Head Bag	Yes	Curtain	Yes	Curtain
Torso Bag	Yes	Seat Back		
Combination Bag				
Frontal Bag				

Vehicle Safety Features		
ADL	ABS	Adj. Belt Anchors
Yes	Yes	Yes
Pretensioners		Load Limiter
Yes		Yes

Test Vehicle Doors		
Can Disable ADL's Using Owners Manual	Yes	
Doors Locked (Pre)	No	
Doors Latched (Post)	Driver	Rear Pass.
	Yes	Yes

Standards Measured Post-Test	
301 - Fuel System Integrity	Yes

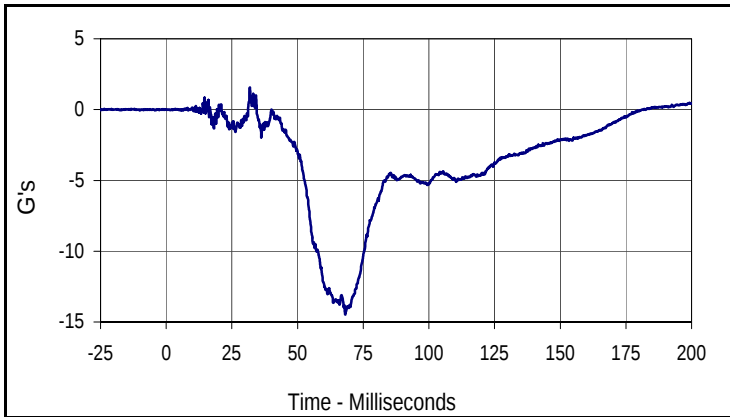
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QUICK-1

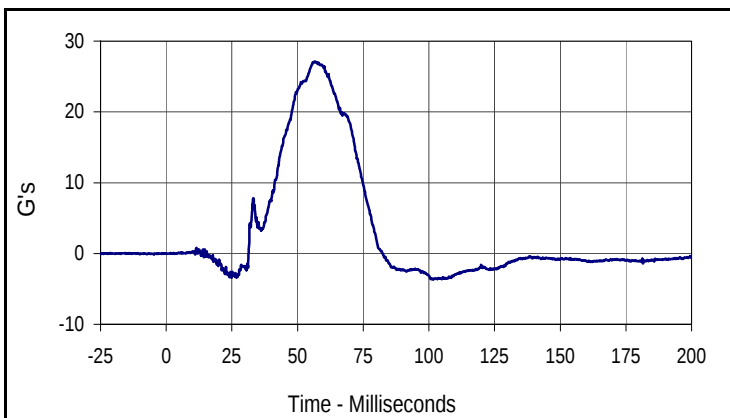
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Test Vehicle: 2008 Lexus RX350 5-Door MPV
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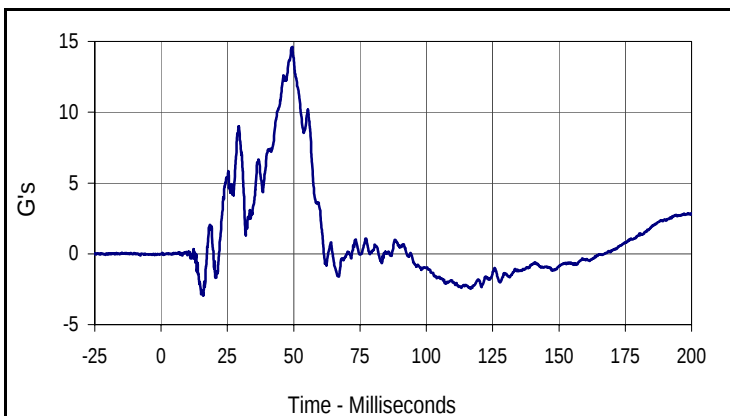
Test Date: 9/5/07
 NHTSA No.: M85103



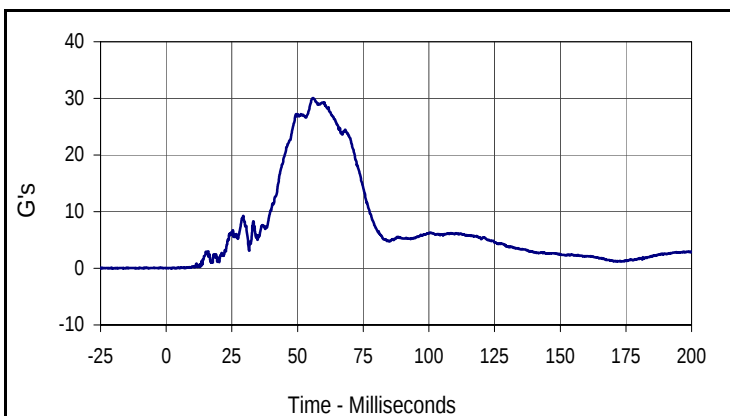
Curve Description			
Driver Head X Primary			
CURNO	Type	SAE Class	Units
001	FIL	1000	G's
Max	Time	Min	Time
1.6	31.9	-14.5	68.2



Curve Description			
Driver Head Y Primary			
CURNO	Type	SAE Class	Units
002	FIL	1000	G's
Max	Time	Min	Time
27.1	56.5	-3.7	101.5



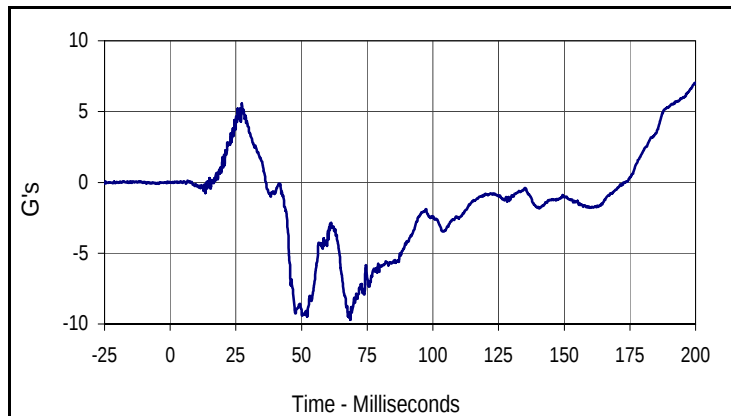
Curve Description			
Driver Head Z Primary			
CURNO	Type	SAE Class	Units
003	FIL	1000	G's
Max	Time	Min	Time
14.6	49.5	-2.9	15.9



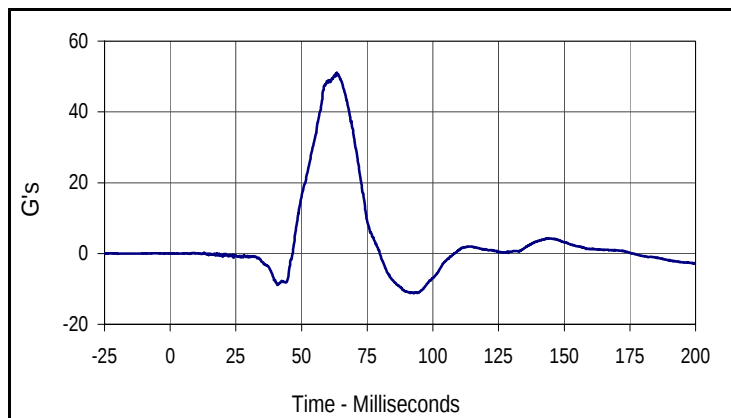
Curve Description			
Driver Head Resultant Primary			
CURNO	Type	SAE Class	Units
001	RES	1000	G's
Max	Time	Min	Time
30.1	55.9	0.0	3.9

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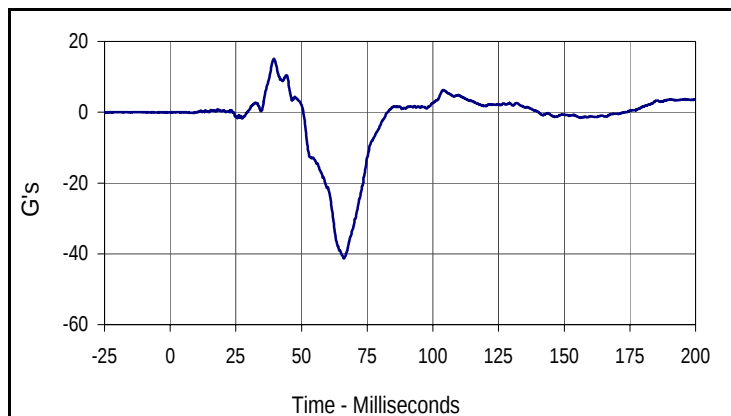
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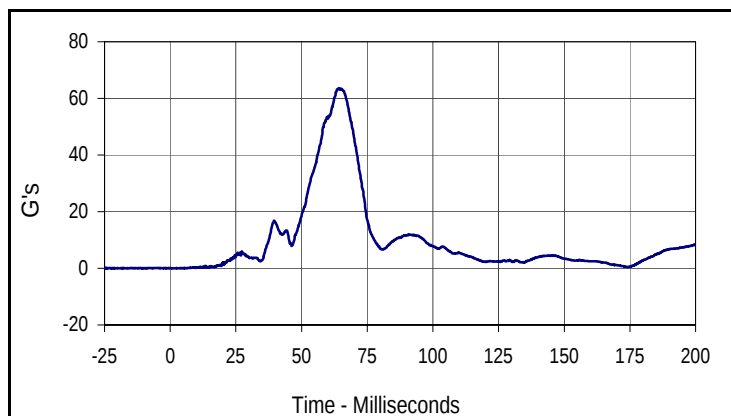
Curve Description			
Passenger Head X Primary			
CURNO	Type	SAE Class	Units
023	FIL	1000	G's
Max	Time	Min	Time
7.0	200.0	-9.7	68.6



Curve Description			
Passenger Head Y Primary			
CURNO	Type	SAE Class	Units
024	FIL	1000	G's
Max	Time	Min	Time
51.0	63.5	-11.2	92.6



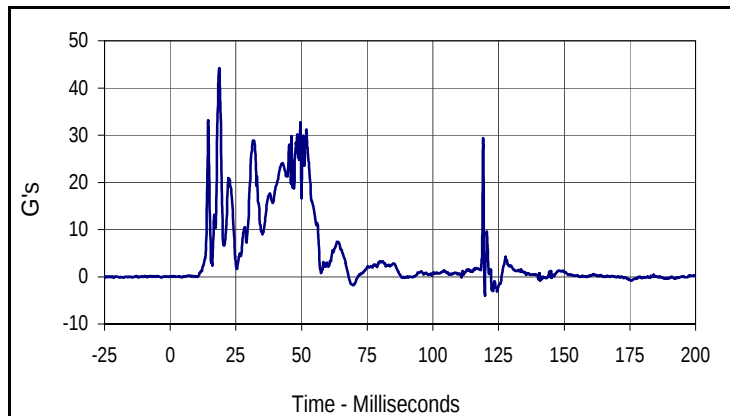
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Passenger Head Z Primary			
CURNO	Type	SAE Class	Units
025	FIL	1000	G's
Max	Time	Min	Time
15.1	39.5	-41.2	66.1



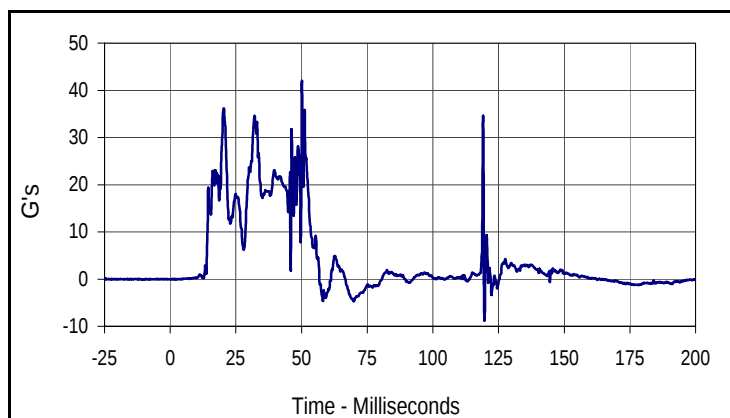
Curve Description			
Passenger Head Resultant Primary			
CURNO	Type	SAE Class	Units
023	RES	1000	G's
Max	Time	Min	Time
63.6	64.4	0.0	1.0

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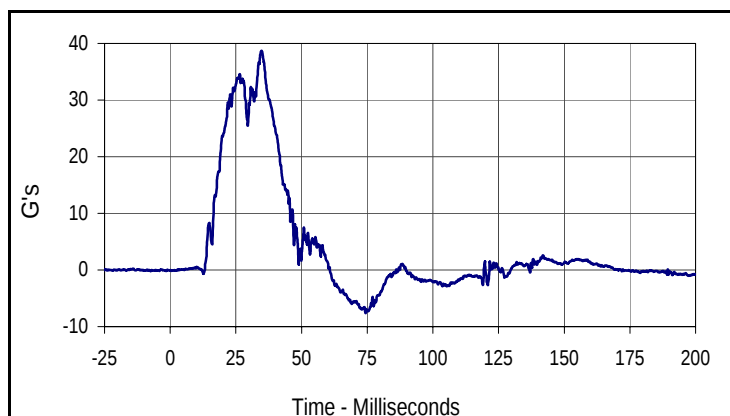
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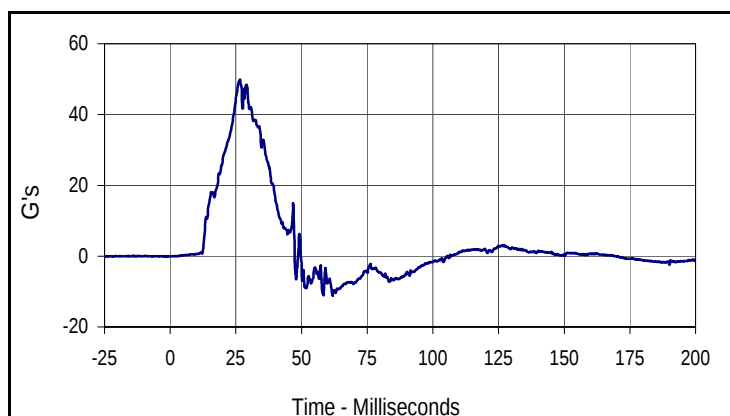
Curve Description			
Driver Upper Rib Y Primary			
CURNO	Type	SAE Class	Units
013	FIL	1000	G's
Max	Time	Min	Time
44.2	18.7	-3.9	119.8



Curve Description			
Driver Lower Rib Y Primary			
CURNO	Type	SAE Class	Units
014	FIL	1000	G's
Max	Time	Min	Time
41.9	50.2	-8.8	119.6



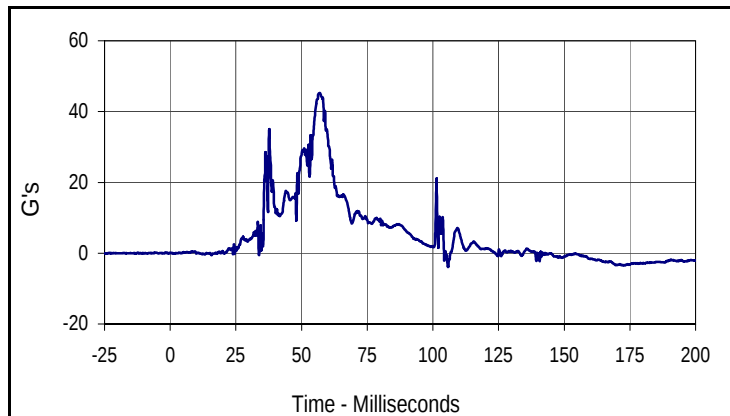
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Driver Lower Spine Y Primary			
CURNO	Type	SAE Class	Units
015	FIL	1000	G's
Max	Time	Min	Time
38.7	34.7	-7.6	74.4



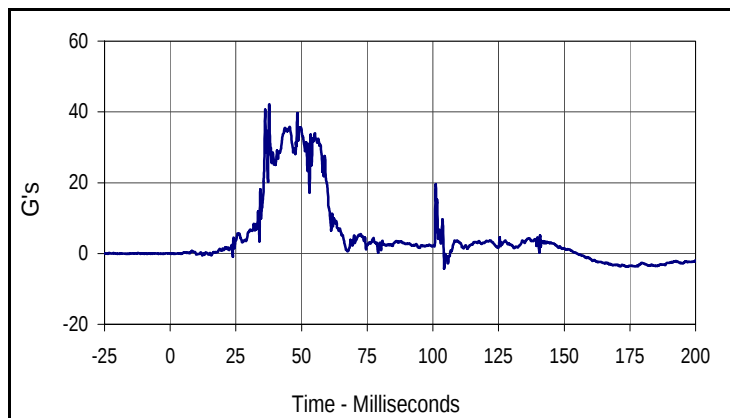
Curve Description			
Driver Pelvis Primary Y			
CURNO	Type	SAE Class	Units
013	RES	1000	G's
Max	Time	Min	Time
49.9	26.5	-11.1	61.8

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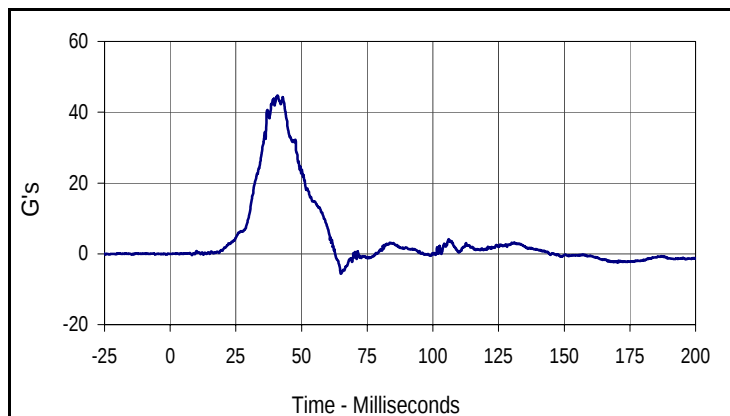
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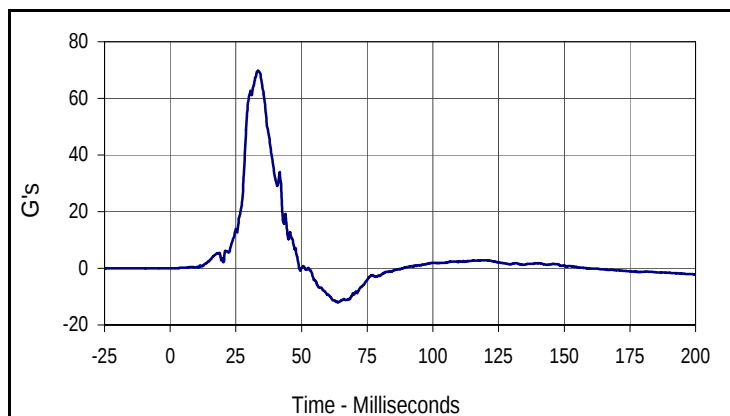
Curve Description			
Passenger Upper Rib Y Primary			
CURNO	Type	SAE Class	Units
035	FIL	1000	G's
Max	Time	Min	Time
45.3	57.0	-3.9	105.8



Curve Description			
Passenger Lower Rib Y Primary			
CURNO	Type	SAE Class	Units
036	FIL	1000	G's
Max	Time	Min	Time
42.2	37.7	-4.2	104.3



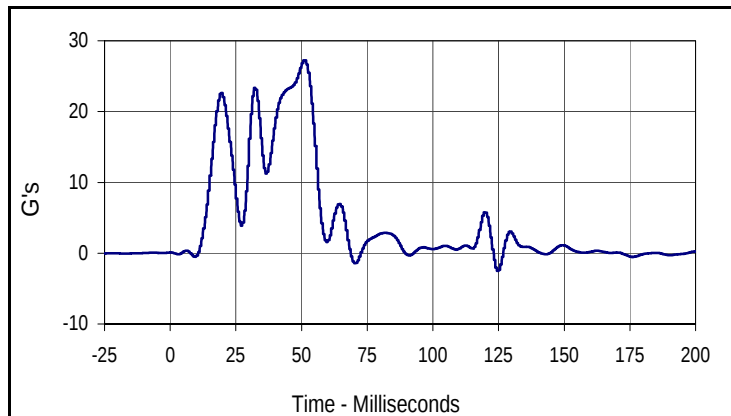
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Passenger Lower Spine Y Primary			
CURNO	Type	SAE Class	Units
037	FIL	1000	G's
Max	Time	Min	Time
44.8	40.9	-5.6	65.0



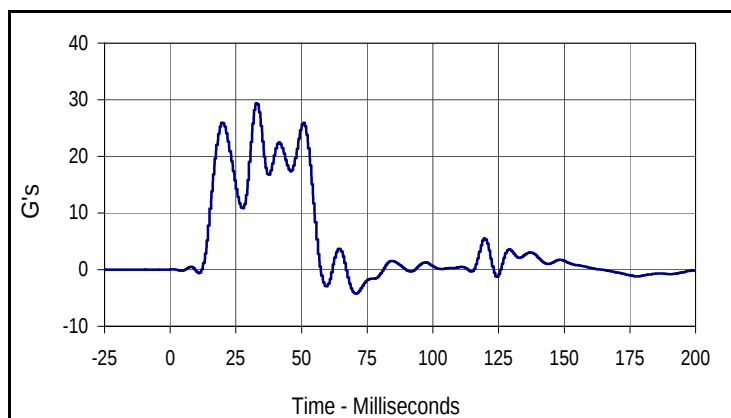
Curve Description			
Passenger Pelvis Y Primary			
CURNO	Type	SAE Class	Units
035	RES	1000	G's
Max	Time	Min	Time
69.9	33.5	-12.1	63.8

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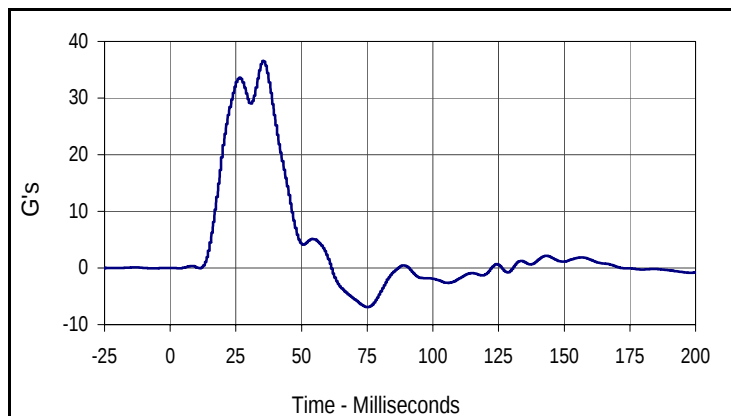
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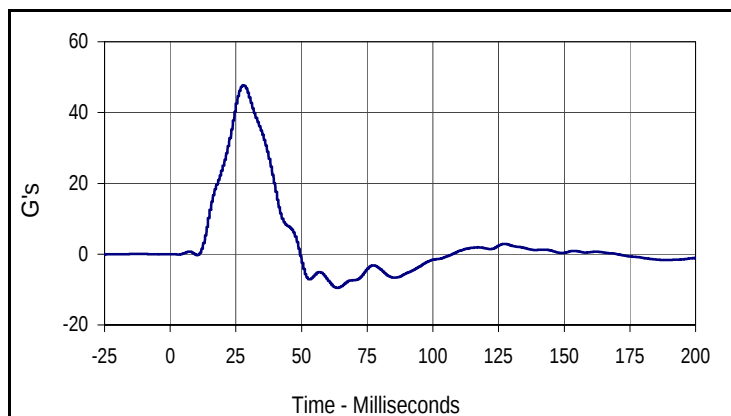
Curve Description			
Driver Upper Rib Y Primary			
CURNO	Type	SAE Class	Units
013	FIR	FIR100	G's
Max	Time	Min	Time
27.3	50.7	-2.5	124.4



Curve Description			
Driver Lower Rib Y Primary			
CURNO	Type	SAE Class	Units
014	FIR	FIR100	G's
Max	Time	Min	Time
29.4	32.5	-4.2	70.7



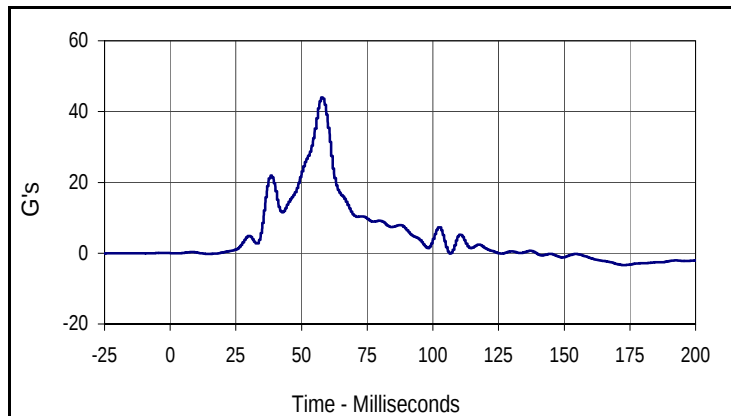
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Driver Lower Spine Y Primary			
CURNO	Type	SAE Class	Units
015	FIR	FIR100	G's
Max	Time	Min	Time
36.5	35.0	-6.9	75.0



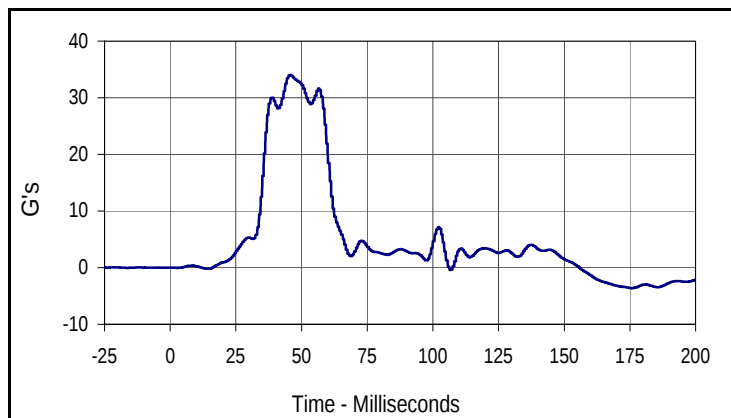
Curve Description			
Driver Pelvis Primary			
CURNO	Type	SAE Class	Units
016	FIR	FIR100	G's
Max	Time	Min	Time
47.7	27.5	-9.5	63.2

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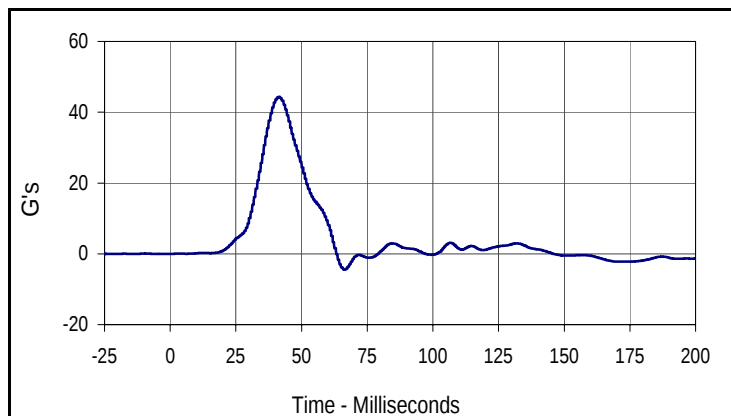
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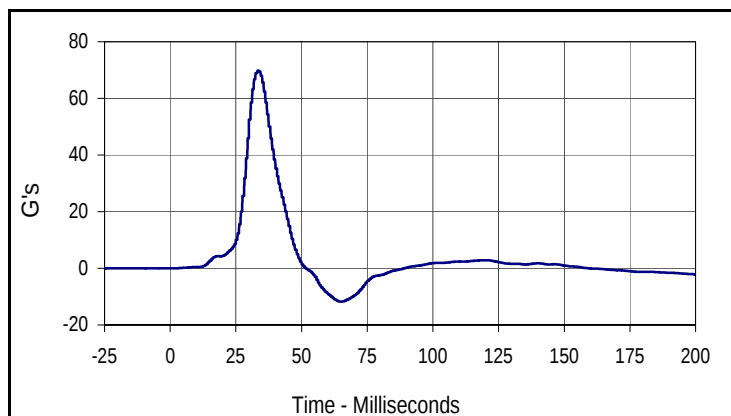
Curve Description			
Passenger Upper Rib Y Primary			
CURNO	Type	SAE Class	Units
035	FIR	FIR100	G's
Max	Time	Min	Time
44.0	57.5	-3.4	172.5



Curve Description			
Passenger Lower Rib Y Primary			
CURNO	Type	SAE Class	Units
036	FIR	FIR100	G's
Max	Time	Min	Time
34.0	45.7	-4.3	231.9



Curve Description			
Passenger Lower Spine Y Primary			
CURNO	Type	SAE Class	Units
037	FIR	FIR100	G's
Max	Time	Min	Time
44.3	41.3	-4.5	66.3



Curve Description			
Passenger Pelvis Y Primary			
CURNO	Type	SAE Class	Units
038	FIR	FIR100	G's
Max	Time	Min	Time
69.8	33.2	-11.8	65.0