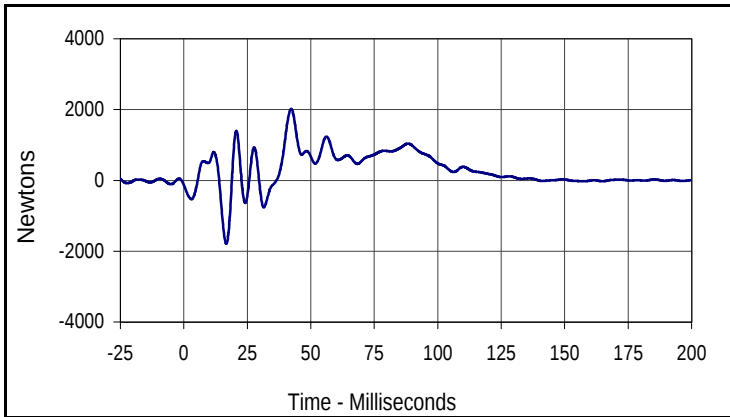
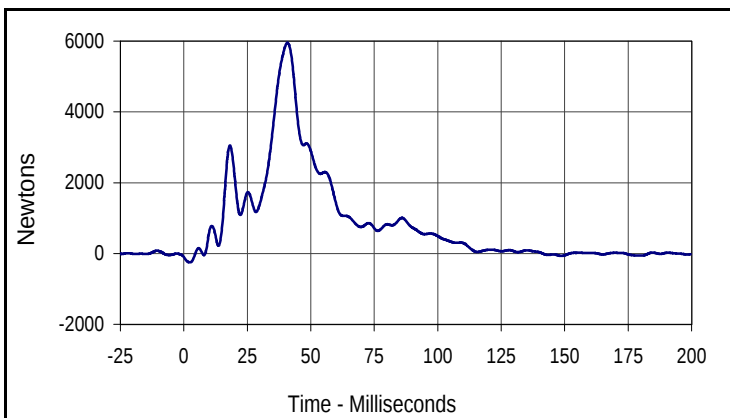


Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

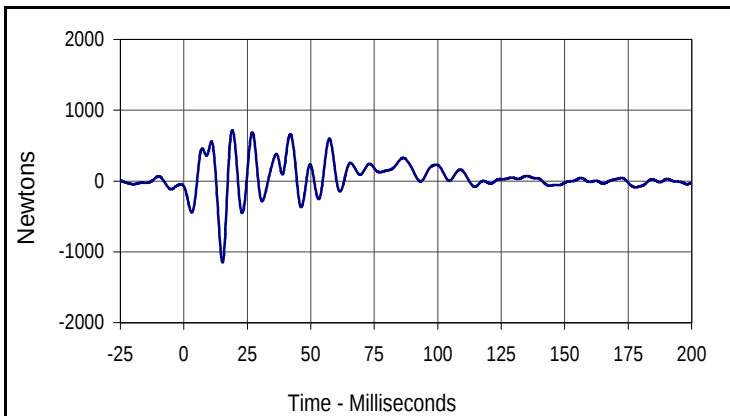
Test Date: 9/9/04
 NHTSA No.: R40401



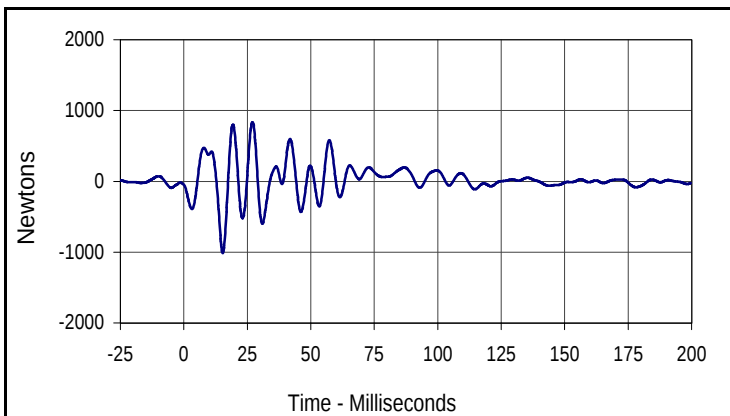
Curve Description			
Barrier Force A1			
CURNO	Type	SAE Class	Units
181	FIL	60	Newtons
Max	Time	Min	Time
2019.4	42.3	-1787.6	16.7



Curve Description			
Barrier Force B1			
CURNO	Type	SAE Class	Units
190	FIL	60	Newtons
Max	Time	Min	Time
5951.7	40.8	-250.8	2.3



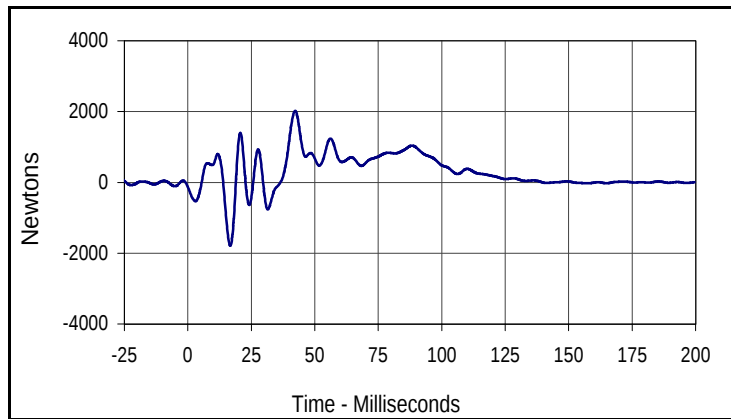
Curve Description			
Barrier Force C1			
CURNO	Type	SAE Class	Units
199	FIL	60	Newtons
Max	Time	Min	Time
717.9	19.1	-1151.9	15.2



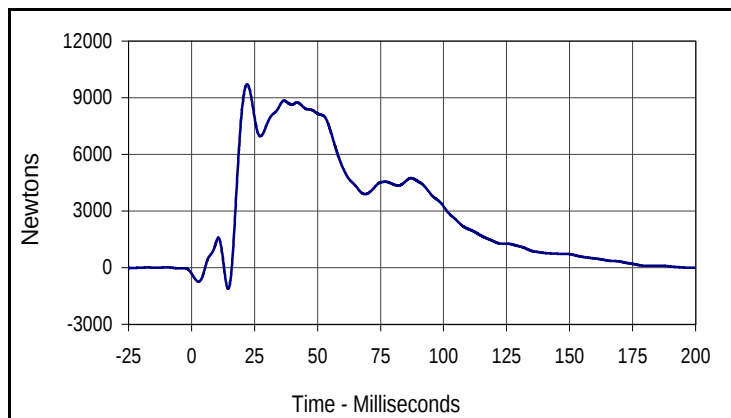
Curve Description			
Barrier Force D1			
CURNO	Type	SAE Class	Units
208	FIL	60	Newtons
Max	Time	Min	Time
835.5	27.0	-1013.7	15.3

Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

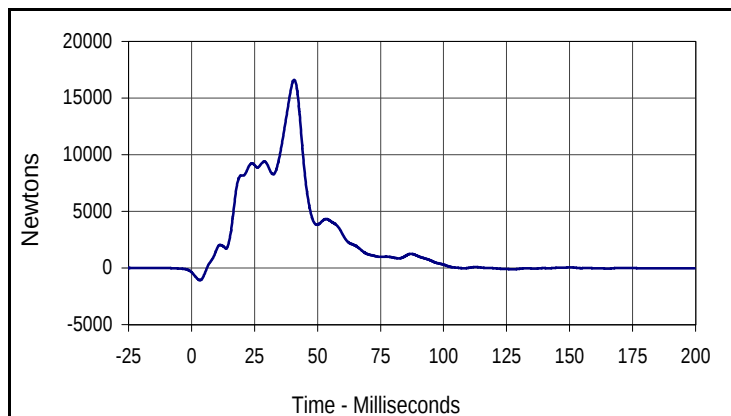
Test Date: 9/9/04
 NHTSA No.: R40401



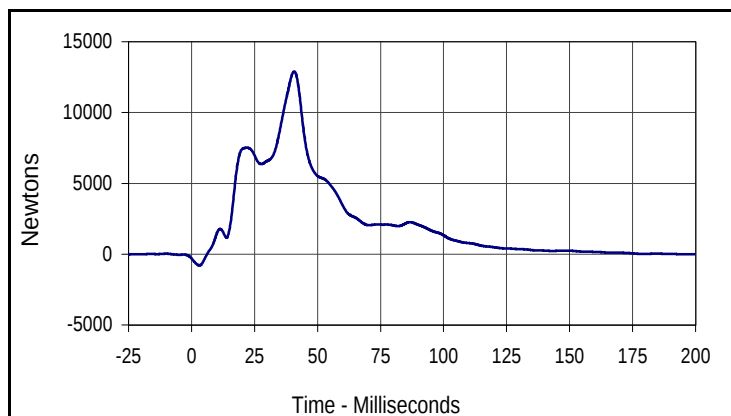
Curve Description			
Barrier Force A2			
CURNO	Type	SAE Class	Units
182	FIL	60	Newtons
Max	Time	Min	Time
2019.4	42.3	-1787.6	16.7



Curve Description			
Barrier Force B2			
CURNO	Type	SAE Class	Units
191	FIL	60	Newtons
Max	Time	Min	Time
9717.1	22.0	-1117.1	14.5



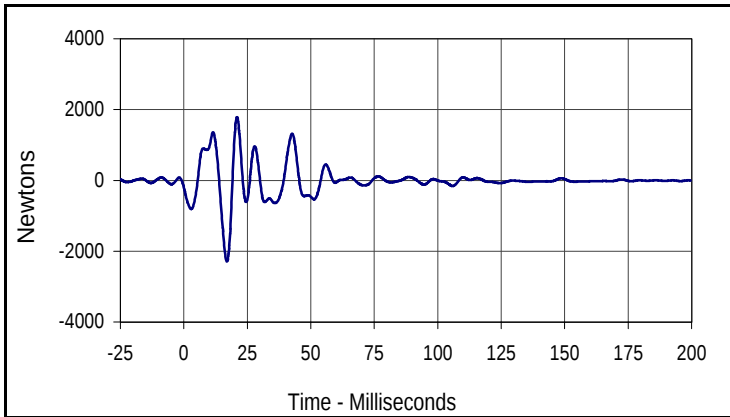
Curve Description			
Barrier Force C2			
CURNO	Type	SAE Class	Units
200	FIL	60	Newtons
Max	Time	Min	Time
16610.3	40.7	-1080.5	3.3



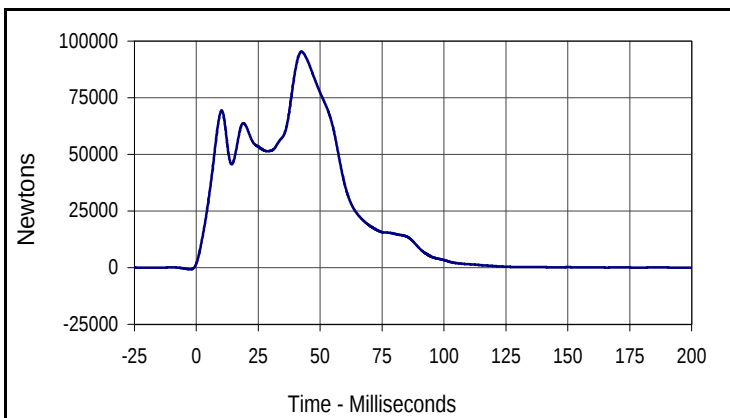
Curve Description			
Barrier Force D2			
CURNO	Type	SAE Class	Units
209	FIL	60	Newtons
Max	Time	Min	Time
12906.9	40.7	-795.0	3.0

Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

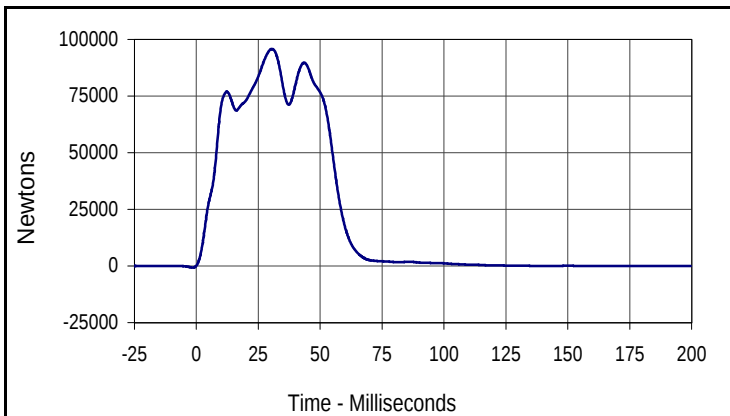
Test Date: 9/9/04
 NHTSA No.: R40401



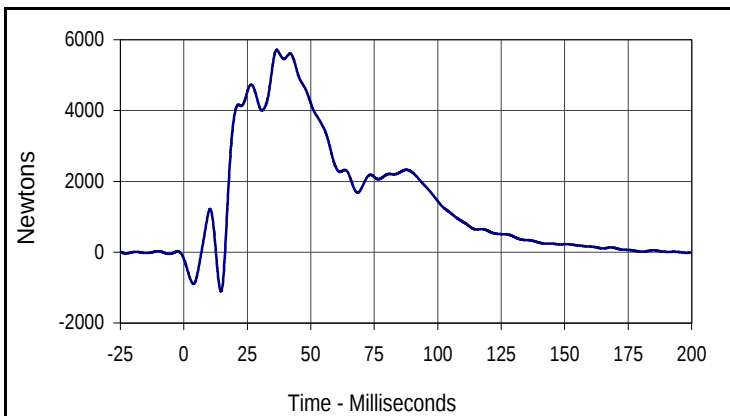
Curve Description			
Barrier Force A3			
CURNO	Type	SAE Class	Units
183	FIL	60	Newtons
Max	Time	Min	Time
1782.8	20.9	-2292.0	16.9



Curve Description			
Barrier Force B3			
CURNO	Type	SAE Class	Units
192	FIL	60	Newtons
Max	Time	Min	Time
95316.7	42.5	19.8	194.2



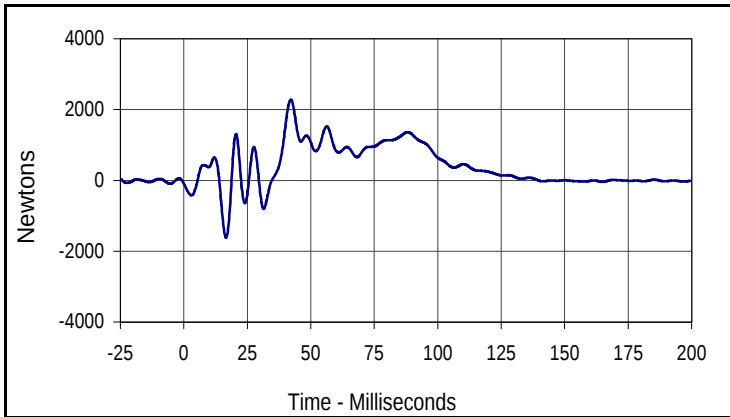
Curve Description			
Barrier Force C3			
CURNO	Type	SAE Class	Units
201	FIL	60	Newtons
Max	Time	Min	Time
95796.8	30.5	-33.1	141.2



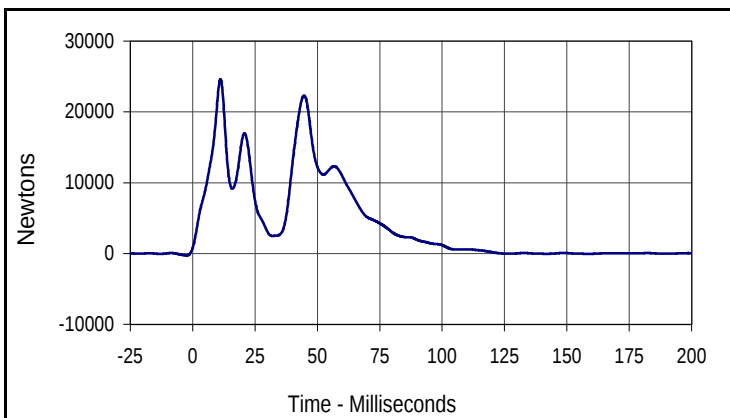
Curve Description			
Barrier Force D3			
CURNO	Type	SAE Class	Units
210	FIL	60	Newtons
Max	Time	Min	Time
5716.3	36.6	-1105.9	14.6

Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

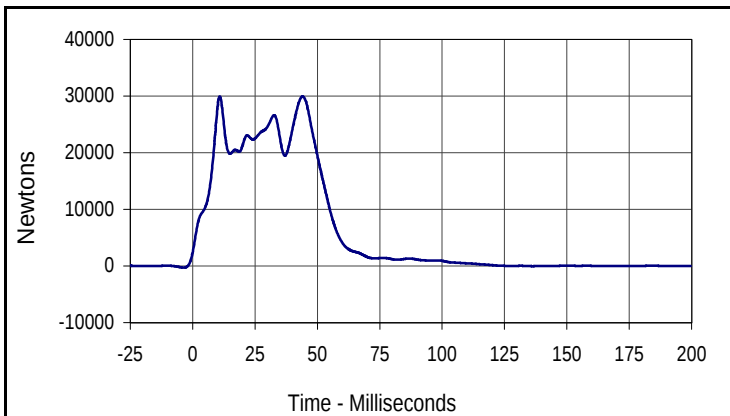
Test Date: 9/9/04
 NHTSA No.: R40401



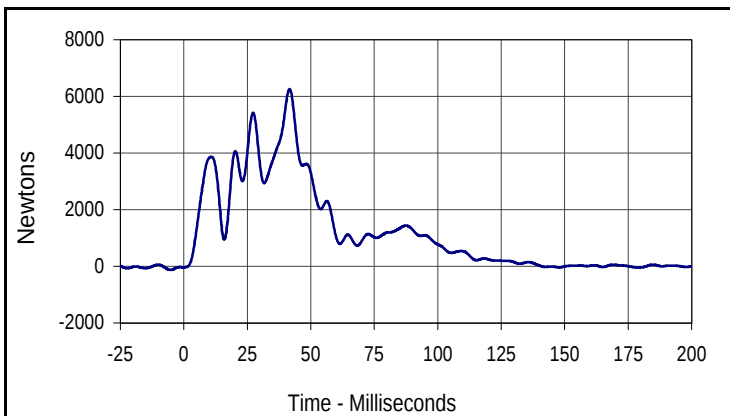
Curve Description			
Barrier Force A4			
CURNO	Type	SAE Class	Units
184	FIL	60	Newtons
Max	Time	Min	Time
2286.0	42.1	-1614.5	16.6



Curve Description			
Barrier Force B4			
CURNO	Type	SAE Class	Units
193	FIL	60	Newtons
Max	Time	Min	Time
24610.8	11.1	-52.9	141.8



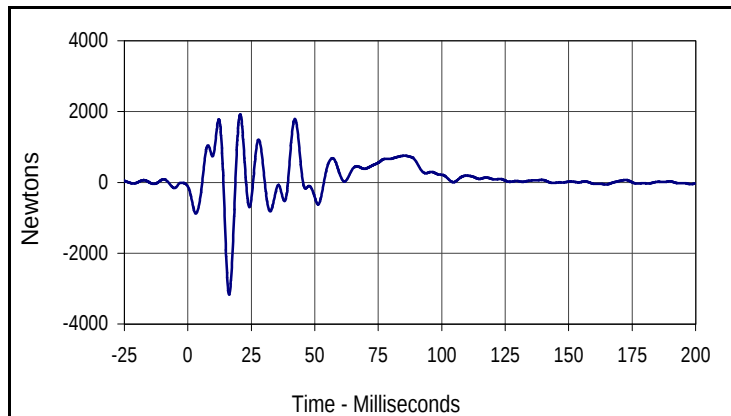
Curve Description			
Barrier Force C4			
CURNO	Type	SAE Class	Units
202	FIL	60	Newtons
Max	Time	Min	Time
29951.9	10.8	-30.4	136.3



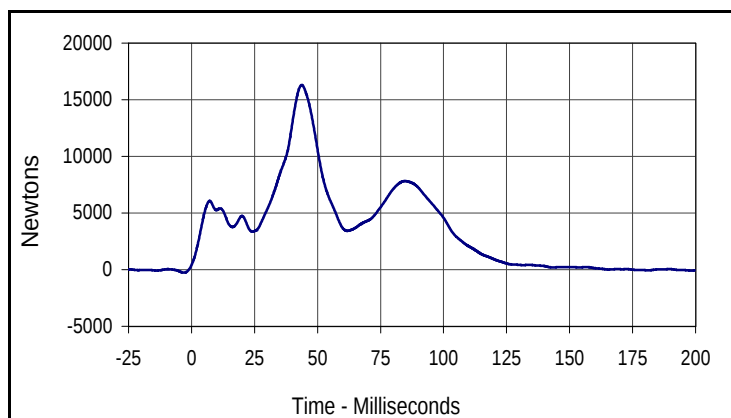
Curve Description			
Barrier Force D4			
CURNO	Type	SAE Class	Units
211	FIL	60	Newtons
Max	Time	Min	Time
6258.1	41.6	-43.0	0.0

Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

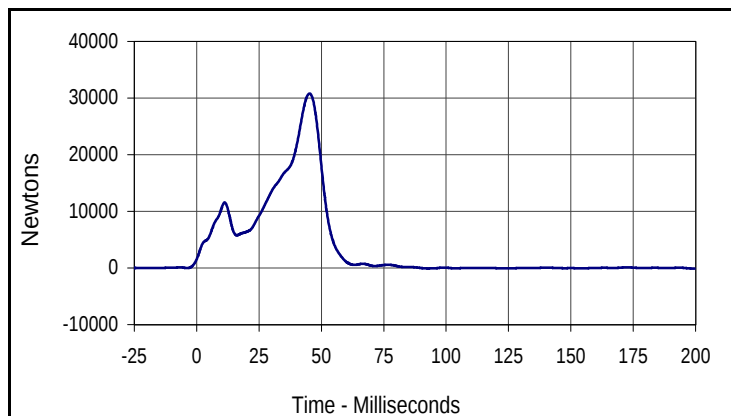
Test Date: 9/9/04
 NHTSA No.: R40401



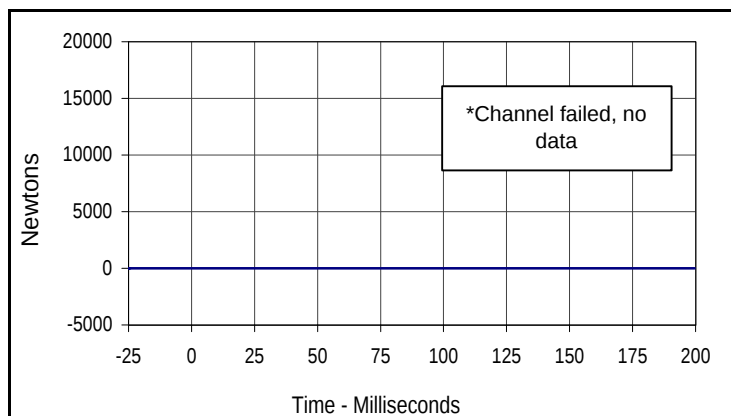
Curve Description			
Barrier Force A5			
CURNO	Type	SAE Class	Units
185	FIL	60	Newtons
Max	Time	Min	Time
1919.8	20.6	-3169.4	16.3



Curve Description			
Barrier Force B5			
CURNO	Type	SAE Class	Units
194	FIL	60	Newtons
Max	Time	Min	Time
16309.3	43.7	-85.7	198.3



Curve Description			
Barrier Force C5			
CURNO	Type	SAE Class	Units
203	FIL	60	Newtons
Max	Time	Min	Time
30802.7	45.2	-110.9	199.7

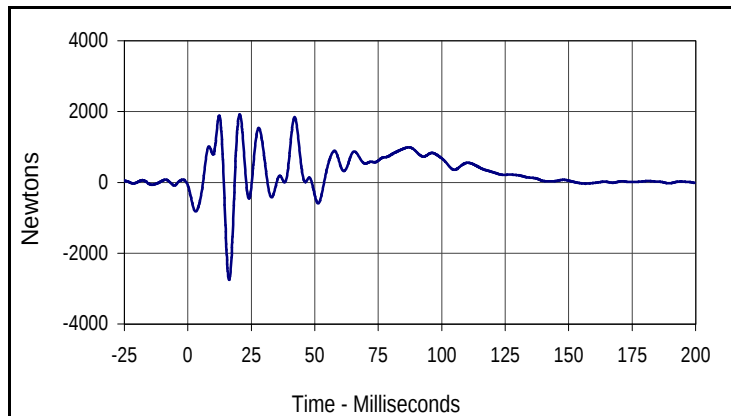


Curve Description			
Barrier Force D5			
CURNO	Type	SAE Class	Units
212	FIL	60	Newtons
Max	Time	Min	Time
0.0	0.0	0.0	0.0

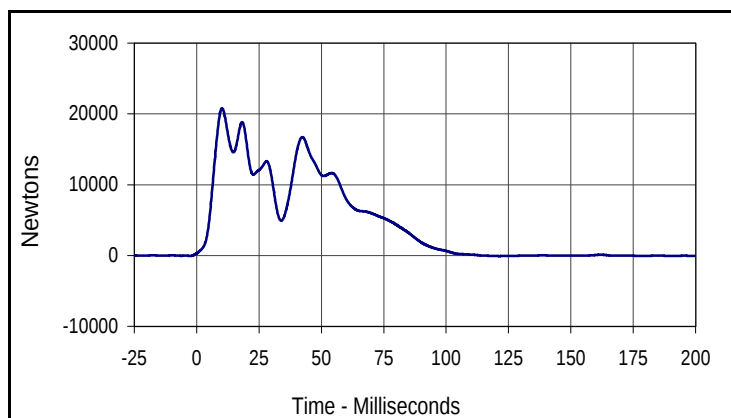
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Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

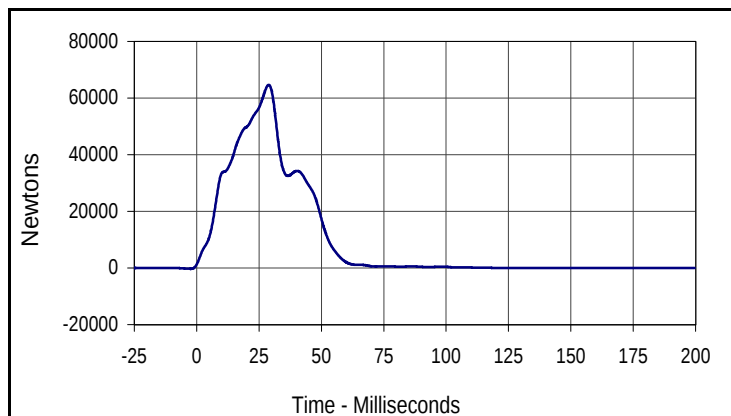
Test Date: 9/9/04
 NHTSA No.: R40401



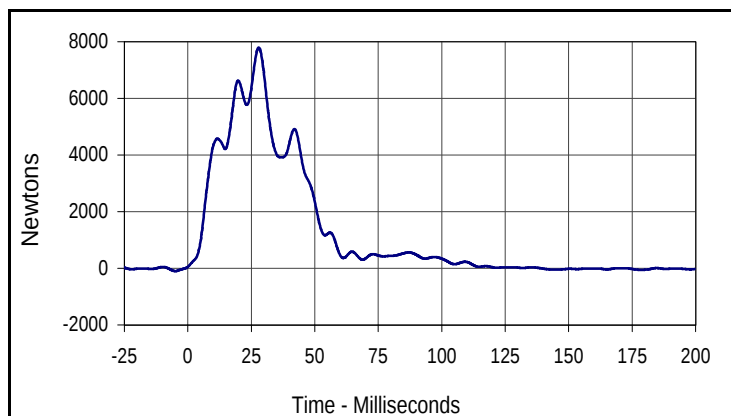
Curve Description			
Barrier Force A6			
CURNO	Type	SAE Class	Units
186	FIL	60	Newtons
Max	Time	Min	Time
1917.8	20.4	-2750.5	16.3



Curve Description			
Barrier Force B6			
CURNO	Type	SAE Class	Units
195	FIL	60	Newtons
Max	Time	Min	Time
20806.1	10.2	-80.6	121.4



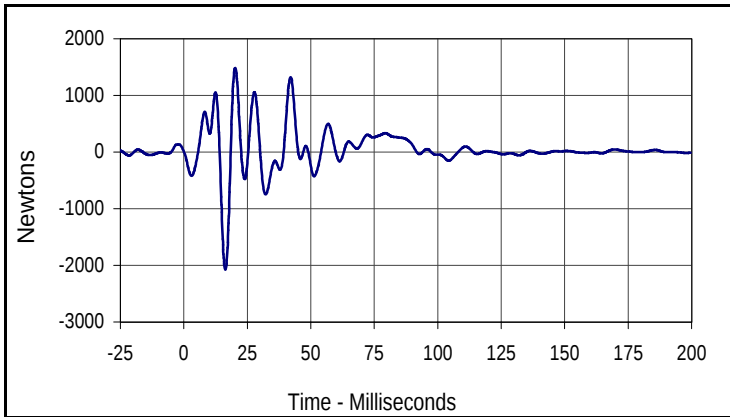
Curve Description			
Barrier Force C6			
CURNO	Type	SAE Class	Units
204	FIL	60	Newtons
Max	Time	Min	Time
64678.7	28.9	-31.5	153.6



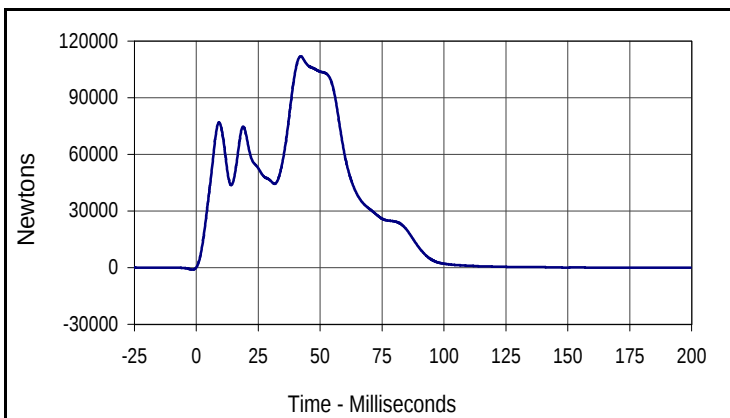
Curve Description			
Barrier Force D6			
CURNO	Type	SAE Class	Units
213	FIL	60	Newtons
Max	Time	Min	Time
7796.8	27.9	-53.7	178.2

Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

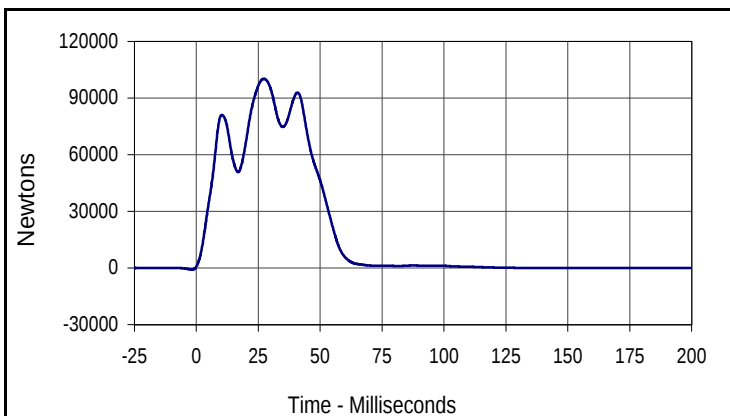
Test Date: 9/9/04
 NHTSA No.: R40401



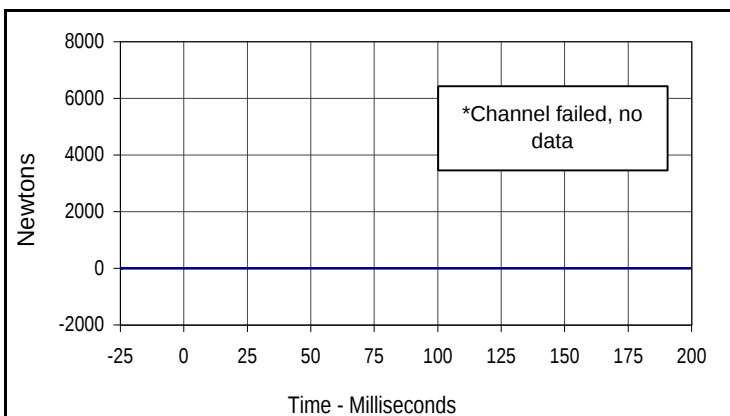
Curve Description			
Barrier Force A7			
CURNO	Type	SAE Class	Units
187	FIL	60	Newtons
Max	Time	Min	Time
1488.0	20.2	-2072.9	16.3



Curve Description			
Barrier Force B7			
CURNO	Type	SAE Class	Units
196	FIL	60	Newtons
Max	Time	Min	Time
111930.6	42.1	-58.3	197.7



Curve Description			
Barrier Force C7			
CURNO	Type	SAE Class	Units
205	FIL	60	Newtons
Max	Time	Min	Time
100216.7	27.3	-41.3	178.3

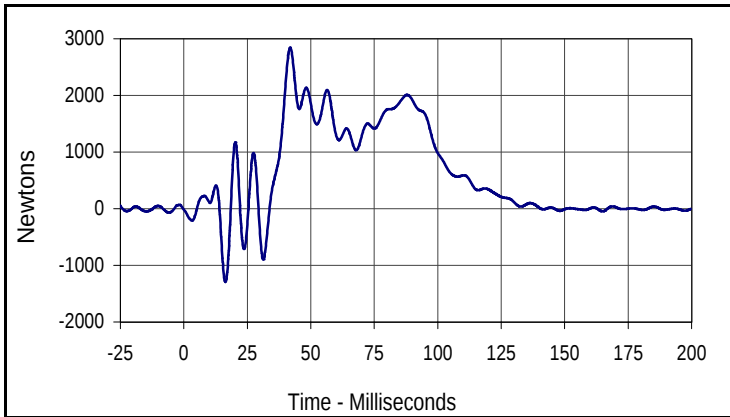


Curve Description			
Barrier Force D7			
CURNO	Type	SAE Class	Units
214	FIL	60	Newtons
Max	Time	Min	Time
0.0	0.0	0.0	0.0

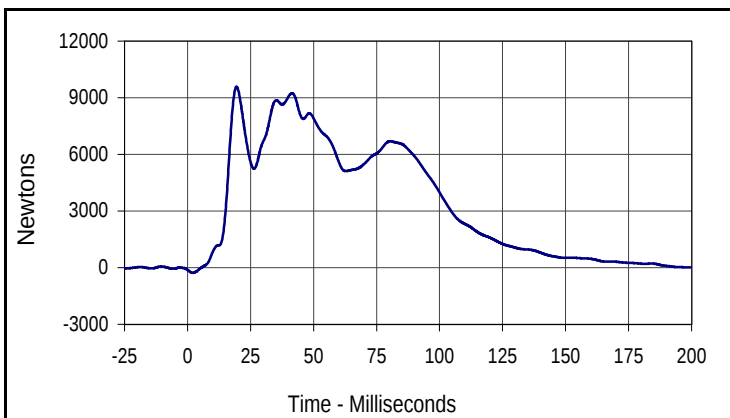
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Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

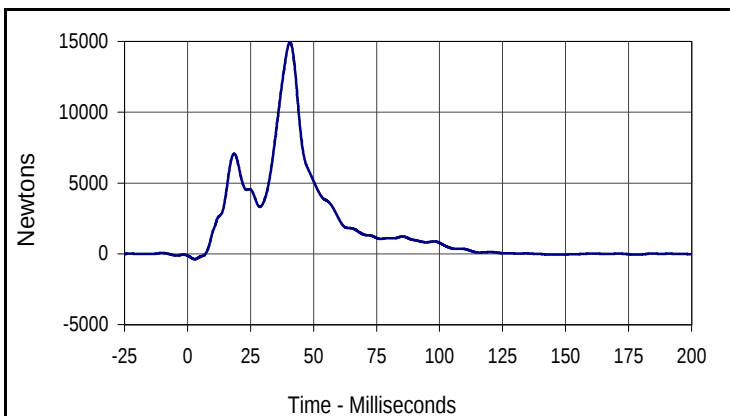
Test Date: 9/9/04
 NHTSA No.: R40401



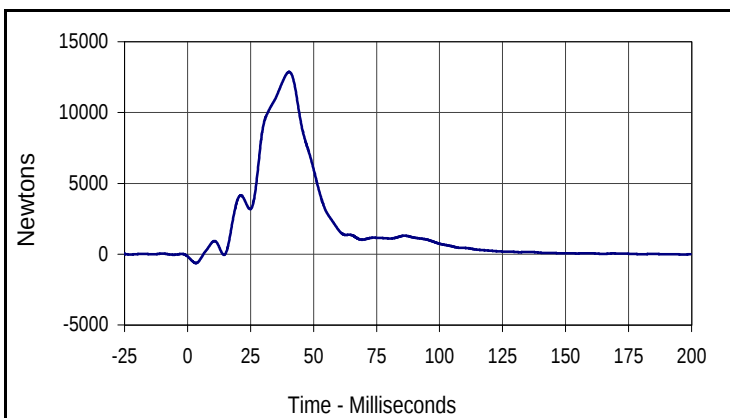
Curve Description			
Barrier Force A8			
CURNO	Type	SAE Class	Units
188	FIL	60	Newtons
Max	Time	Min	Time
2841.9	41.9	-1294.6	16.4



Curve Description			
Barrier Force B8			
CURNO	Type	SAE Class	Units
197	FIL	60	Newtons
Max	Time	Min	Time
9594.3	19.4	-268.9	2.1



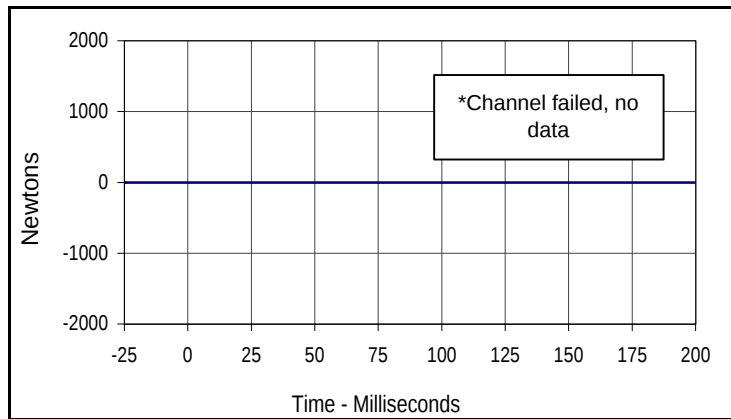
Curve Description			
Barrier Force C8			
CURNO	Type	SAE Class	Units
206	FIL	60	Newtons
Max	Time	Min	Time
14923.1	40.6	-381.8	2.9



Curve Description			
Barrier Force D8			
CURNO	Type	SAE Class	Units
215	FIL	60	Newtons
Max	Time	Min	Time
12868.5	40.3	-628.8	3.3

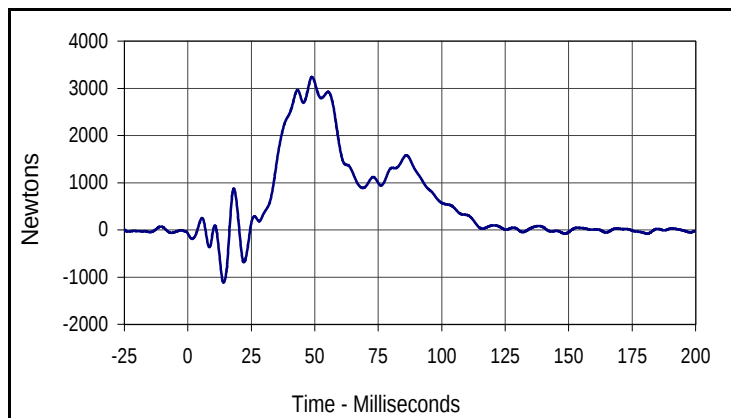
Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

Test Date: 9/9/04
 NHTSA No.: R40401

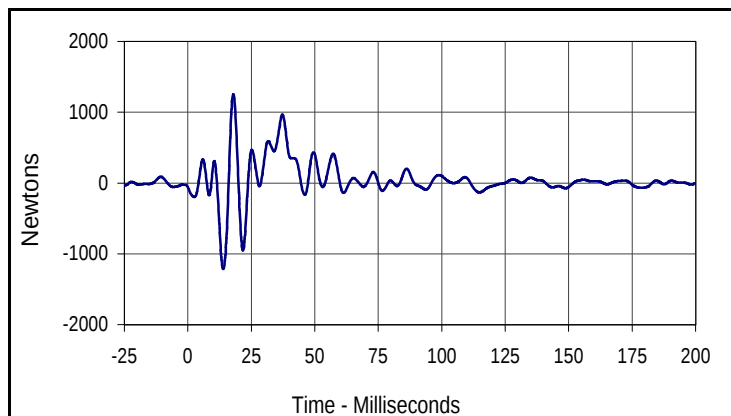


Curve Description			
Barrier Force A9			
CURNO	Type	SAE Class	Units
189	FIL	60	Newtons
Max	Time	Min	Time
0.0	0.0	0.0	0.0

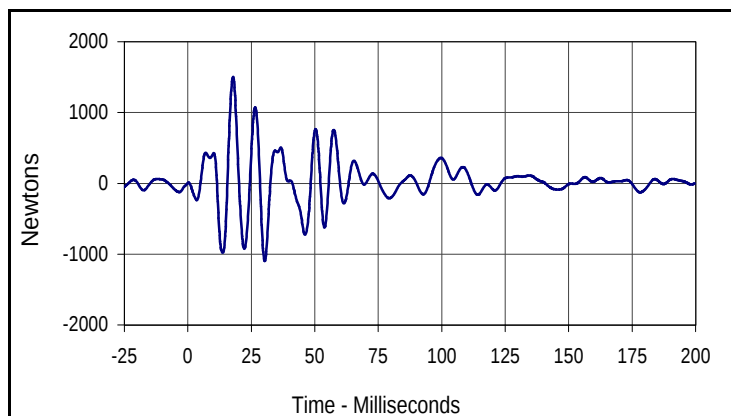
* Channel failed, no data



Curve Description			
Barrier Force B9			
CURNO	Type	SAE Class	Units
198	FIL	60	Newtons
Max	Time	Min	Time
3238.7	48.9	-1116.0	14.1



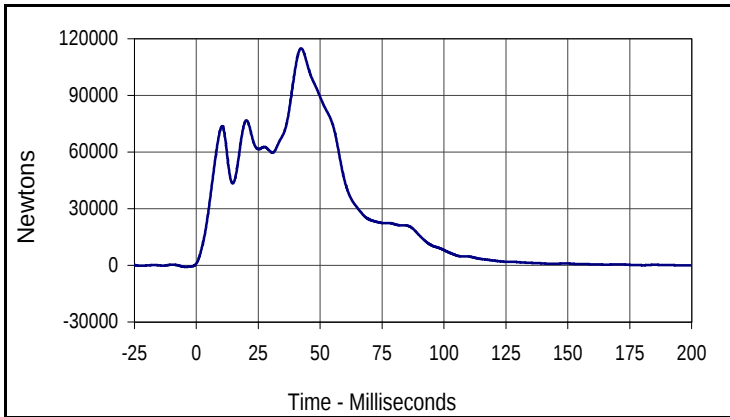
Curve Description			
Barrier Force C9			
CURNO	Type	SAE Class	Units
207	FIL	60	Newtons
Max	Time	Min	Time
1254.4	17.9	-1211.9	13.9



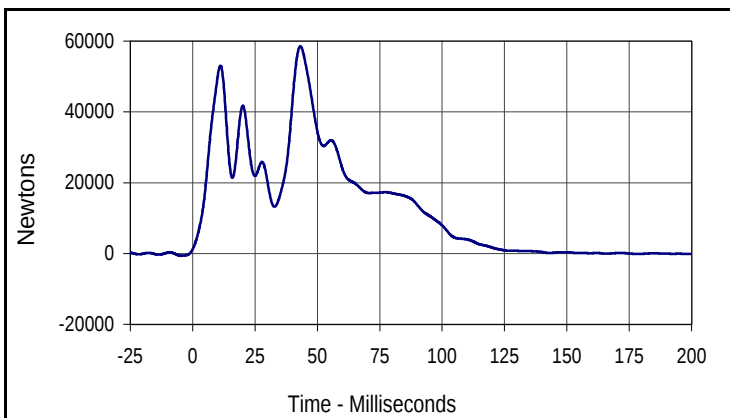
Curve Description			
Barrier Force D9			
CURNO	Type	SAE Class	Units
216	FIL	60	Newtons
Max	Time	Min	Time
1502.9	17.8	-1096.4	30.3

Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

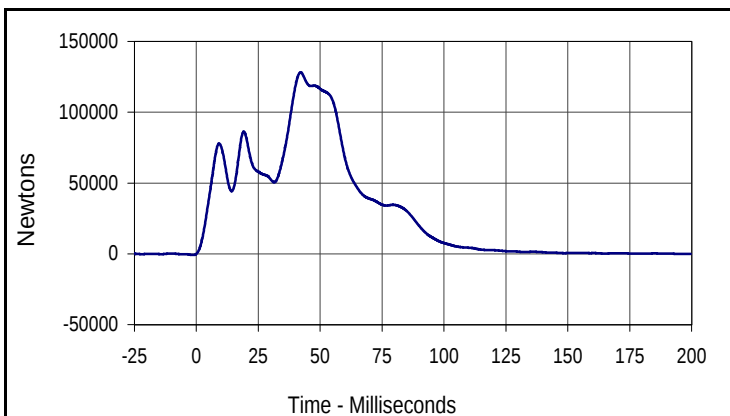
Test Date: 9/9/04
 NHTSA No.: R40401



Curve Description			
Barrier Force Sum Group 1			
CURNO	Type	SAE Class	Units
001	SUM	60	Newtons
Max	Time	Min	Time
114943.3	42.3	-29.5	196.9



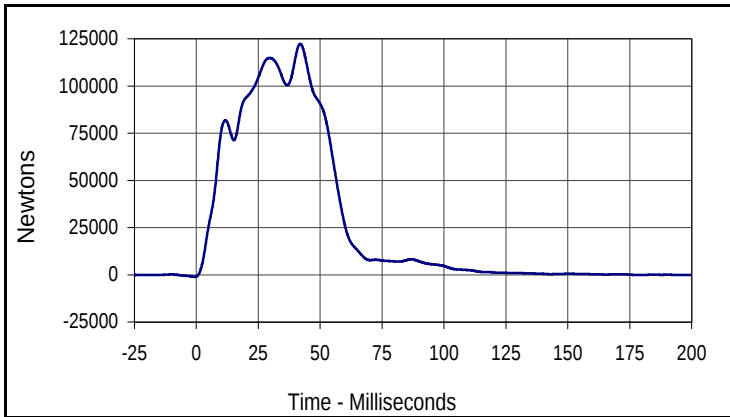
Curve Description			
Barrier Force Sum Group 2			
CURNO	Type	SAE Class	Units
002	SUM	60	Newtons
Max	Time	Min	Time
58560.6	43.2	-148.2	198.1



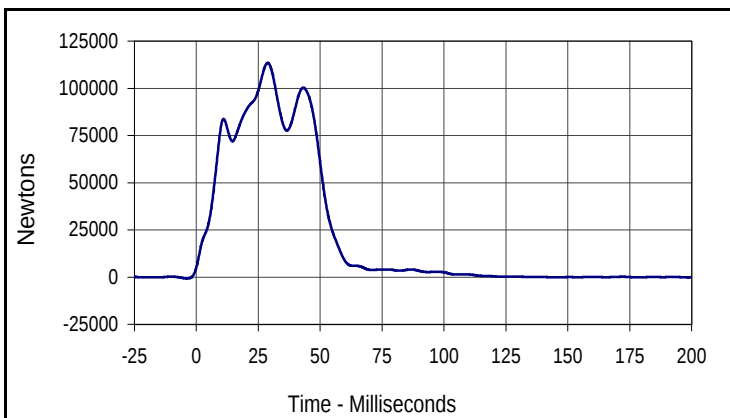
Curve Description			
Barrier Force Sum Group 3			
CURNO	Type	SAE Class	Units
003	SUM	60	Newtons
Max	Time	Min	Time
128105.1	42.1	-142.4	197.8

Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

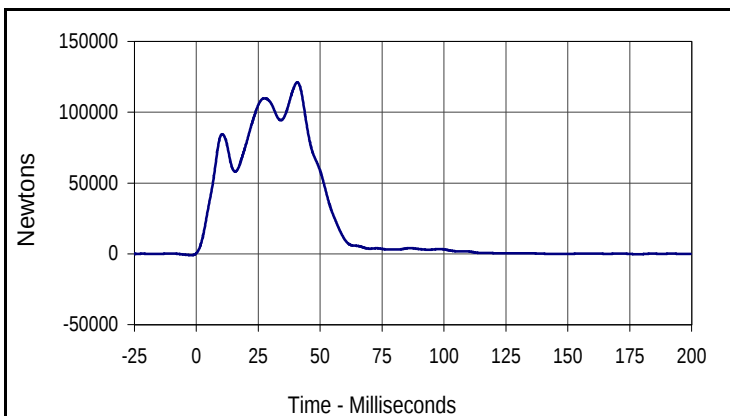
Test Date: 9/9/04
 NHTSA No.: R40401



Curve Description			
Barrier Force Sum Group 4			
CURNO	Type	SAE Class	Units
004	SUM	60	Newtons
Max	Time	Min	Time
122343.0	42.0	-893.0	0.0



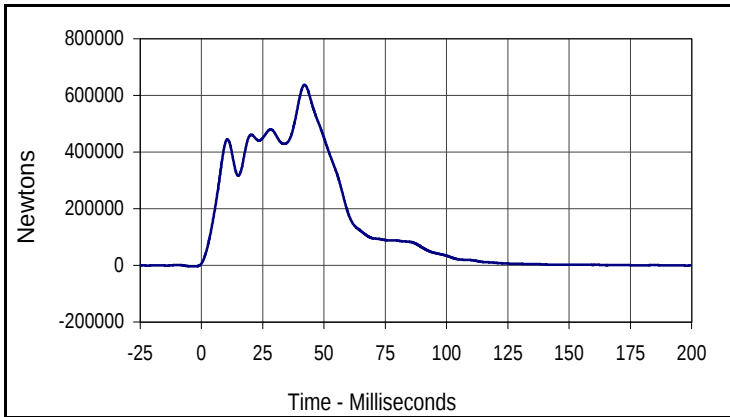
Curve Description			
Barrier Force Sum Group 5			
CURNO	Type	SAE Class	Units
005	SUM	60	Newtons
Max	Time	Min	Time
113427.2	28.8	-173.5	198.6



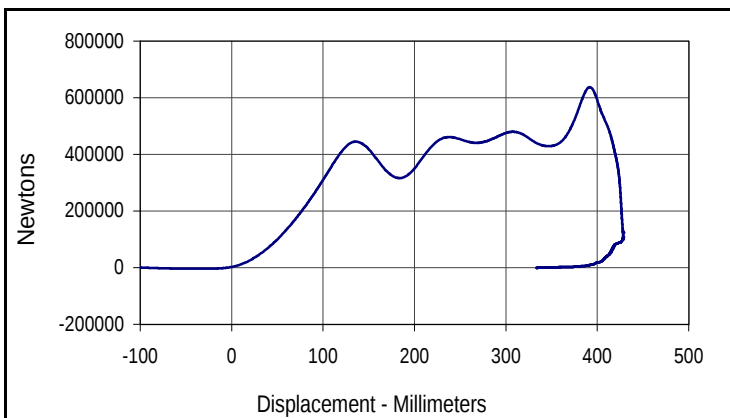
Curve Description			
Barrier Force Sum Group 6			
CURNO	Type	SAE Class	Units
006	SUM	60	Newtons
Max	Time	Min	Time
121051.0	40.8	-283.0	178.2

Test Vehicle: 2004 Jeep Liberty 4-Door MPV
 Test Program: 2004 FMVSS 208 Upgrade

Test Date: 9/9/04
 NHTSA No.: R40401



Curve Description			
Barrier Force Total Sum			
CURNO	Type	SAE Class	Units
007	SUM	60	Newtons
Max	Time	Min	Time
637416.3	42.1	-661.3	198.1



Curve Description			
Barrier Force Total Sum vs. Displ.			
CURNO	Type	SAE Class	Units
001	XVY	60	Newtons
Max	MM	Min	MM
637416.3	391.9	-661.3	334.3

BARRIER LOAD CELL SUMMARY DATA

Test Vehicle: 2004 Jeep Liberty 4-Door MPV

NHTSA No.: R40401

Test Program: 2004 FMVSS 208 Upgrade

Test Date: 9/9/04

Location	Units	Max	Time	Min	Time
Barrier Force A1	Newtons	2019.4	42.3	-1787.6	16.7
Barrier Force A2	Newtons	2019.4	42.3	-1787.6	16.7
Barrier Force A3	Newtons	1782.8	20.9	-2292.0	16.9
Barrier Force A4	Newtons	2286.0	42.1	-1614.5	16.6
Barrier Force A5	Newtons	1919.8	20.6	-3169.4	16.3
Barrier Force A6	Newtons	1917.8	20.4	-2750.5	16.3
Barrier Force A7	Newtons	1488.0	20.2	-2072.9	16.3
Barrier Force A8	Newtons	2841.9	41.9	-1294.6	16.4
Barrier Force A9	Newtons	0.0	0.0	0.0	0.0
Barrier Force B1	Newtons	5951.7	40.8	-250.8	2.3
Barrier Force B2	Newtons	9717.1	22.0	-1117.1	14.5
Barrier Force B3	Newtons	95316.7	42.5	19.8	194.2
Barrier Force B4	Newtons	24610.8	11.1	-52.9	141.8
Barrier Force B5	Newtons	16309.3	43.7	-85.7	198.3
Barrier Force B6	Newtons	20806.1	10.2	-80.6	121.4
Barrier Force B7	Newtons	111930.6	42.1	-58.3	197.7
Barrier Force B8	Newtons	9594.3	19.4	-268.9	2.1
Barrier Force B9	Newtons	3238.7	48.9	-1116.0	14.1
Barrier Force C1	Newtons	717.9	19.1	-1151.9	15.2
Barrier Force C2	Newtons	16610.3	40.7	-1080.5	3.3
Barrier Force C3	Newtons	95796.8	30.5	-33.1	141.2
Barrier Force C4	Newtons	29951.9	10.8	-30.4	136.3
Barrier Force C5	Newtons	30802.7	45.2	-110.9	199.7
Barrier Force C6	Newtons	64678.7	28.9	-31.5	153.6
Barrier Force C7	Newtons	100216.7	27.3	-41.3	178.3
Barrier Force C8	Newtons	14923.1	40.6	-381.8	2.9
Barrier Force C9	Newtons	1254.4	17.9	-1211.9	13.9
Barrier Force D1	Newtons	835.5	27.0	-1013.7	15.3
Barrier Force D2	Newtons	12906.9	40.7	-795.0	3.0
Barrier Force D3	Newtons	5716.3	36.6	-1105.9	14.6
Barrier Force D4	Newtons	6258.1	41.6	-43.0	0.0
Barrier Force D5	Newtons	0.0	0.0	0.0	0.0
Barrier Force D6	Newtons	7796.8	27.9	-53.7	178.2
Barrier Force D7	Newtons	0.0	0.0	0.0	0.0
Barrier Force D8	Newtons	12868.5	40.3	-628.8	3.3
Barrier Force D9	Newtons	1502.9	17.8	-1096.4	30.3
Barrier Force Sum Group 1	Newtons	114943.3	42.3	-29.5	196.9
Barrier Force Sum Group 2	Newtons	58560.6	43.2	-148.2	198.1
Barrier Force Sum Group 3	Newtons	128105.1	42.1	-142.4	197.8
Barrier Force Sum Group 4	Newtons	122343.0	42.0	-893.0	0.0
Barrier Force Sum Group 5	Newtons	113427.2	28.8	-173.5	198.6
Barrier Force Sum Group 6	Newtons	121051.0	40.8	-283.0	178.2
Barrier Force Total Sum	Newtons	637416.3	42.1	-661.3	198.1

1.) Channels failed, no data