

**REPORT NUMBER: SPNCAP-KAR-18-002
NEW CAR ASSESSMENT PROGRAM (NCAP)
SIDE IMPACT POLE TEST**

**FCA US LLC.
2018 JEEP COMPASS SPORT 5-DOOR MPV**

NHTSA No: M20180307

**PREPARED BY:
KARCO ENGINEERING, LLC.
9270 HOLLY ROAD
ADELANTO, CA 92301**



NOVEMBER 20, 2017

FINAL REPORT

**PREPARED FOR:
U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
OFFICE OF CRASHWORTHINESS STANDARDS
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Division Chief, New Car Assessment Program
NHTSA, Office of Crashworthiness Standards

Date: _____

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Date: _____

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		15. Supplementary Notes																												
16. Abstract A 32.20 km/h 75° rigid pole side NCAP impact test was conducted on the subject 2018 Jeep Compass Sport 5-door MPV in accordance with the specifications of the Office of Crashworthiness Standards Side NCAP Pole Laboratory Test Procedure for the generation of consumer information on vehicle side pole crash protection. The test was conducted at the KARCO Engineering, LLC. facility in Adelanto, California on November 6, 2017. The impact velocity was 31.72 km/h and the outside ambient temperature at the struck (driver's) side of the vehicle was 18.9°C. The target vehicle's maximum post-test static crush was 294 mm located at level 3. The test vehicle's occupant performance data is as follows:																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 35%;">Measurement Description</th> <th colspan="3" style="text-align: center;">Driver ATD (SID-IIs)</th> </tr> <tr> <th style="width: 15%;">Units</th> <th style="width: 15%;">Threshold</th> <th style="width: 35%;">Result</th> </tr> </thead> <tbody> <tr> <td>Head Injury Criteria (HIC₃₆)</td> <td></td> <td style="text-align: center;">1000</td> <td style="text-align: center;">355.4</td> </tr> <tr> <td>Resultant Lower Spine Acceleration</td> <td style="text-align: center;">g</td> <td style="text-align: center;">82</td> <td style="text-align: center;">39</td> </tr> <tr> <td>Total Pelvic Force (Sum of Acetabular and Iliac Forces)</td> <td style="text-align: center;">N</td> <td style="text-align: center;">5525</td> <td style="text-align: center;">2949</td> </tr> <tr> <td>Maximum Thoracic Rib Deflection</td> <td style="text-align: center;">mm</td> <td style="text-align: center;">38</td> <td style="text-align: center;">24</td> </tr> <tr> <td>Maximum Abdominal Rib Deflection</td> <td style="text-align: center;">mm</td> <td style="text-align: center;">45</td> <td style="text-align: center;">18</td> </tr> </tbody> </table>				Measurement Description	Driver ATD (SID-IIs)			Units	Threshold	Result	Head Injury Criteria (HIC ₃₆)		1000	355.4	Resultant Lower Spine Acceleration	g	82	39	Total Pelvic Force (Sum of Acetabular and Iliac Forces)	N	5525	2949	Maximum Thoracic Rib Deflection	mm	38	24	Maximum Abdominal Rib Deflection	mm	45	18
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The two doors on the struck side of the vehicle were jammed shut and did not separate from the body at the hinges or latches. The opposite doors did not open during the side impact event. The windshield and front driver window broke as a result of the impact.																														
17. Key Words New Car Assessment Program (NCAP) Side Impact Pole Part 572V SID-IIs		18. Distribution Statement Copies of this report are available from: National Highway Traffic Safety Admin. Technical Information Services Division, NPO-411 1200 New Jersey Ave., SE Washington, DC 20590 e-mail: tis@nhtsa.dot.gov FAX: 202-493-2833																												
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SECTION 1
TEST PURPOSE AND PROCEDURE

This side impact test is part of the MY 2018 New Car Assessment Program Side Impact Test Program, sponsored by the National Highway Traffic Safety Administration (NHTSA), under contract number DTNH22-14-D-00355. The purpose of this test is to generate comparative side impact performance in a 2018 Jeep Compass Sport 5-door MPV. The side impact test was conducted in accordance with the Office of Crashworthiness Standard's Laboratory Test Procedure date October 2015.

SECTION 2

SUMMARY OF TEST RESULTS

A rigid pole side impact test was conducted on a 2018 Jeep Compass 5-door MPV. The subject vehicle was towed into the rigid pole at an angle of 74.9° and a velocity of 31.72 km/h. The test was conducted by KARCO Engineering, LLC. in Adelanto, California on November 6, 2017. Pre- and post-test photographs of the test vehicle and side impact dummy (SID-IIs) are included in Appendix A of this report.

One Part 572V (SID-IIs) dummy was placed in the driver designated seating position according to instructions specified in the OCWS Side NCAP Pole Laboratory Test Procedure, dated October 2015. Camera locations and other pertinent camera information are included in this report.

The Part 572V (SID-IIs) was instrumented accordingly:

- Primary and Redundant Head CG tri-axial accelerometers
- Thorax upper, middle and lower rib displacement potentiometers
- Abdomen upper and lower rib displacement potentiometers
- Lower spine (12) tri-axial accelerometers
- Iliac load cell
- Acetabulum load cell

Appendix B contains the vehicle and dummy response data. Dummy configuration and performance verification data can be found in Appendix C of this report. Appendix D contains the test equipment and instrumentation calibration data.

Injury readings for the SID-IIs dummy were recorded as follows:

Measurement Description	Units	Passenger ATD (SID-IIs)	
		IARV	Result
Head Injury Criteria (HIC ₃₆)		1000	355.4
Lower Spine (T12) Resultant Acceleration	g	82	39
Total Pelvic Force (sum of acetabular and iliac forces)	N	5525	2949
Maximum Thoracic Rib Deflection	mm	38*	24
Maximum Abdominal Rib Deflection	mm	45*	18

*Proposed IARV

Supplemental restraint information is given below:

Restraint Type	Left Front (Driver) Occupant Location 1		Left Rear (Passenger) Occupant Location 4	
	Mounted	Deployed	Mounted	Deployed
Frontal Airbag	Yes	No	No	
Knee Airbag	Yes	No	No	
Side Airbag 1 (Curtain)	Yes	Yes	Yes	Yes
Side Airbag 2 (Torso/Pelvis)	Yes	Yes	No	
Seat Belt Pretensioner	Yes	Yes	No	
Seat Belt Load Limiter	Yes	Yes	No	

GENERAL COMMENTS

Both the front and rear doors on the struck side of the vehicle were jammed shut while remaining closed and latched. The windshield and front driver window broke as a result of the impact. There was no separation at the hinges or latches. Both doors on the non-struck side remained closed and latched. There were no ATD values that exceeded limits.

SECTION 3

OCCUPANT AND VEHICLE INFORMATION/DATA SHEETS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

CONVERSION FACTORS

Quantity	Typical Application	Std Units	Metric Unit	Multiply By
Mass	Vehicle Weight	lb	kg	0.4536
Linear Velocity	Impact Velocity	miles/hr	km/hr	1.609344
Length or Distance	Measurements	in	mm	25.4
Volume	Fuel Systems	gal	liter	3.785
Volume	Small Fluids	oz	mL	29.574
Pressure	Tire Pressures	lbf/in ²	kPa	6.895
Temperature	General Use	°F	°C	$=(T_f - 32)/1.8$
Force	Dynamic Forces	lbf	N	4.448
Moment	Torque	lbf-ft	N•m	1.355

DATA SHEET NO. 1

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

TEST VEHICLE INFORMATION AND OPTIONS

NHTSA Number	M20180307
Model Year	2018
Make	Jeep
Model	Compass Sport
Body Style	5-Door MPV
VIN	3C4NJCAB9JT136961
Body Color	Silver
Odometer Reading (km / mi)	42 / 26
Engine Displacement (L)	2.4
Type / No. of Cylinders	Inline 4
Engine Placement	Transverse
Transmission Type	Manual
Transmission Speeds	6
Overdrive	Yes
Final Drive	FWD
Roof Rack	No
Sunroof / T-Top	No
Running Boards	No
Tilt Steering Wheel	Yes
Power Seats	No
Anti-Lock Brakes (ABS)	Yes

Traction Control System (TCS)	Yes
Auto-Leveling System	No
Automatic Door Locks	Yes
Power Window Auto-Reverse	Yes
Other Optional Feature	No
Driver Front Airbag	Yes
Driver Curtain Airbag	Yes
Driver Head/Torso Airbag	No
Driver Torso Airbag	No
Driver Torso/Pelvis Airbag	Yes
Driver Pelvis Airbag	No
Driver Knee Airbag	Yes
Rear Pass. Curtain Airbag	Yes
Rear Pass. Head/Torso Airbag	No
Rear Pass. Torso Airbag	No
Rear Pass. Torso/Pelvis Airbag	No
Rear Pass. Pelvis Airbag	No
Driver Seat Belt Pretensioner	Yes
Rear Pass. Seat Belt Pretensioner	No
Driver Load Limiter	Yes
Rear Pass. Load Limiter	No
Other Safety Restraint	No

Does Owner's Manual provide instructions to turn off automatic door locks? No

DATA FROM CERTIFICATION LABEL

Manufactured By	FCA US LLC
Date of Manufacture	Aug-17
Vehicle Type	MPV

GVWR (kg)	1996
GAWR Front (kg)	1076
GAWR Rear (kg)	928

VEHICLE SEATING AND CAPACITY WEIGHT INFORMATION

Measured Parameter	Front	Rear	Third	Total	
Designated Seating Capacity	2	3		5	
Capacity Weight (VCW) (kg)				390.0	A
DSC x 68.04 (kg)				340.2	B
Cargo Weight (RCLW) (kg)				49.8	A-B

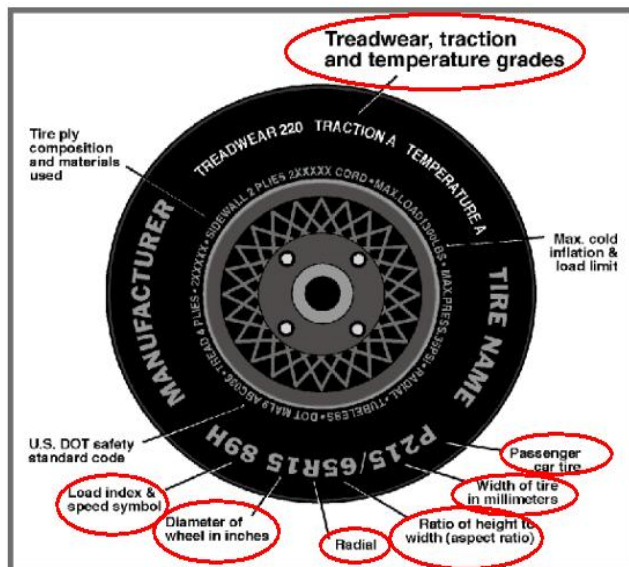
VEHICLE SEAT TYPE

Seating Location	Type of Seat Pan				Type of Seat Back		
	Bucket	Bench	Split Bench	Contoured	Fixed	Adjustable	
						w/ Lever	w/ Knob
Front Seat	Yes					Yes	
Rear or Second Row Seat		Yes			Yes		
Third Row Seat							

DATA SHEET NO. 1 ... (CONTINUED)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17



Measured Parameter	Front	Rear
Max. Tire Pressure (kPa)	350	350
Cold Pressure (kPa)	240	220
Recommended Tire Size	P215/65/R16	P215/65/R16
Tire Size on Vehicle	P215/65/R16	P215/65/R16
Tire Manufacturer	Continental	Continental
Tire Model	Cross Contact LX Sport	Cross Contact LX Sport
Treadware	480	480
Traction Grade	A	A
Temperature Grade	A	A
Tire Plies Sidewall	1 Rayon	1 Rayon
Tire Plies Body	1 Rayon, 2 Steel, 2 Polyamide	1 Rayon, 2 Steel, 2 Polyamide
Load Index/Speed Symbol	98H	98H
Tire Material	Rayon, Steel, Polyamide	Rayon, Steel, Polyamide
DOT Safety Code Left	HW6V WD36 2017	HW6V WD36 2017
DOT Safety Code Right	HW6V WD36 2017	HW6V WD36 2017

DATA SHEET NO. 1 ... (CONTINUED)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

TIRE PRESSURES

	Units	LF	RF	LR	RR
As Delivered	kPa	240	240	240	240
Tire Placard	kPa	240	240	220	220
Owner's Manual	kPa	240	240	220	220
As Tested	kPa	240	240	220	220

TEST VEHICLE AXLE WEIGHTS

	Units	As Delivered (UVW)			As Tested (ATW)			Fully Loaded		
		Front	Rear	Total	Front	Rear	Total	Front	Rear	Total
Left	kg	459.5	284.5		472.0	324.0		479.5	327.5	
Right	kg	425.0	291.0		434.5	323.5		427.0	325.5	
Ratio	%	60.6%	39.4%	100.0%	58.3%	41.7%	100.0%	58.1%	41.9%	100.0%
Total	kg	884.5	575.5	1460.0	906.5	647.5	1554.0	906.5	653.0	1559.5

TARGET TEST WEIGHT CALCULATION

Measured Parameter	Units	Value	
Total Delivered Weight (UVW)	kg	1460.0	A
Actual Weight of 1 P572V ATD Used	kg	49.0	B
Rated Cargo/Luggage Wt (RCLW)	kg	49.8	C
Calculated Vehicle Target Wt (TVTW)	kg	1558.8	A+B+C

Does the measured As Tested Vehicle Weight lie within the required weight range (i.e.

Calculated Test Vehicle Target Weight -4.5 kg to -9.0 kg)? Yes No

TEST VEHICLE ATTITUDE AND CG

Measurement Description	Units	As Delivered	As Tested	Fully Loaded	Meets Requirement***
Driver Door Sill Angle (front-to-rear)*	°	-0.3	-0.3	-0.2	Yes
Front Passenger Sill Angle (front-to-rear)*	°	-0.6	-0.4	-0.4	Yes
Front Bumper-Line Angle (left-to-right)**	°	-0.6	-0.3	-0.4	Yes
Rear Bumper-Line Angle (left-to-right)**	°	-0.5	-0.2	-0.1	Yes
Vehicle CG (Aft of Front Axle)	mm	1034	1093	1098	
Vehicle CG (Left (+)/Right (-) from Longitudinal Centerline)	mm	15	19	27	

*ND=Nose Down (-), NU=Nose Up (+) **LD=Left Down (-), LU=Left Up (+)

***The "As Tested" vehicle attitude angle measurements must be within "As Delivered" and the "Fully Loaded" vehicle attitude measurements at each location. Indicate "Yes" or "No" for "Meets Requirement"

DATA SHEET NO. 1 ... (CONTINUED)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307

Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

WEIGHT OF BALLAST AND VEHICLE COMPONENTS REMOVED TO MEET TVTW

Component Description	Weight (kg)
Trunk Trim and Tire Pump	6.0
Left Tail Light	1.0
Ballast / Equipment Added	51.0

Test Height Adjustable Setting (If Applicable)	
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DATA SHEET NO. 2

SEAT, SEAT BELT, STEERING WHEEL ADJUSTMENT, AND FUEL SYSTEM DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

SEAT POSITIONING

The driver's seat, front center seat (if applicable), and front passenger's seat should be set to the forward most, mid-height, mid-angle position. The struck side rear passenger's seat, rear center seat, and non-struck side rear passenger's seat should be set to the rear most, lowest, mid-angle position.

SCRL ANGLE RANGE

Seat	SCRL (°)		
	Max	Min	Mid
Driver Seat	5.0	0.0	2.5
Front Passenger Seat	4.8	0.0	2.4
Front Center Seat			
Struck Side Rear Seat	Fixed	Fixed	Fixed
Non-Struck Side Rear Seat	Fixed	Fixed	Fixed
Rear Center Seat	Fixed	Fixed	Fixed

SEAT HEIGHT AND ANGLE

Seat	As Tested SCRL Angle (Mid) (°)	As Tested SCRP Height (mm)	SCRP Height Position	SCRP Height (mm)		
				Rearmost	Mid Fore/Aft	Forwardmost
Driver Seat	2.5	644	Max			
			Mid	640	644	650
			Min			
Front Passenger Seat	2.4	656	Max			
			Mid	649	656	660
			Min			
Front Center Seat			Max			
			Mid			
			Min			
Struck Side Rear Seat	Fixed	Fixed	Max	Fixed	Fixed	Fixed
			Mid	Fixed	Fixed	Fixed
			Min	Fixed	Fixed	Fixed
Non-Struck Side Rear Seat	Fixed	Fixed	Max	Fixed	Fixed	Fixed
			Mid	Fixed	Fixed	Fixed
			Min	Fixed	Fixed	Fixed
Rear Center Seat	Fixed	Fixed	Max	Fixed	Fixed	Fixed
			Mid	Fixed	Fixed	Fixed
			Min	Fixed	Fixed	Fixed

DATA SHEET NO. 2 ... (CONTINUED)

SEAT, SEAT BELT, STEERING WHEEL ADJUSTMENT, AND FUEL SYSTEM DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

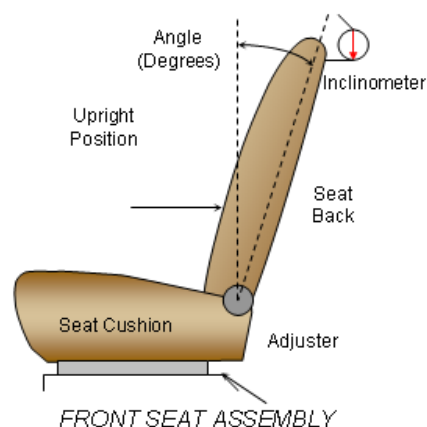
SEAT FORE/AFT POSITION

Seat	Total Fore/Aft Travel		Test Position From Forwardmost Position	
	mm	Detents*	mm	Detent*
Driver Seat	220	22	0	0
Front Passenger Seat	220	22	0	0
Front Center Seat				
Struck Side Rear Seat	Fixed		Fixed	
Non-Struck Side Rear Seat	Fixed		Fixed	
Rear Center Seat	Fixed		Fixed	

*Detent zero (0) is the forward most detent

SEAT BACK ADJUSTMENT

The driver's seat back is positioned such that the dummy's head is level. The front passenger's seat backs is positioned in a similar manner to the driver's seat. The struck side rear passenger seat back is positioned in accordance with the information provided by the manufacturer in Form 1 for the 5th percentile female dummy in a Side NCAP MDB Test. The rear center and non-struck side rear passenger's seat back is set to match the struck side rear seat back. Seat back angle is measured from.



Seat	Total Seat Back Angle Range		Test Position from Most Upright	
	Degrees	Detents*	Degree	Detent*
Driver Seat w/Seated Dummy	69.3	34	2.9	15
Front Passenger Seat	99.5	46	2.9	31
Front Center Seat				
Struck Side Rear Seat w/Seated Dummy	Fixed	Fixed	Fixed	Fixed
Non-Struck Side Rear Seat	Fixed	Fixed	Fixed	Fixed
Rear Center Seat	Fixed	Fixed	Fixed	Fixed

*Detent zero (0) is the forward most detent

DATA SHEET NO. 2 ... (CONTINUED)

SEAT, SEAT BELT, STEERING WHEEL ADJUSTMENT, AND FUEL SYSTEM DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

SEAT BELT ANCHORAGE ADJUSTMENT

Seat belt anchorages are adjusted in accordance with the information provided by the manufacturer on Form No. 1. The positions are marked H, M1, ..., L from top to bottom.

	Total No. of Positions	Placed in Position
Driver Seat	4	H

HEAD RESTRAINT ADJUSTMENT

The driver's head restraint is adjusted to the lowest and most full forward in-use position.

	Total No. of Positions	Placed in Position
Driver Seat	3	Full Down (0)

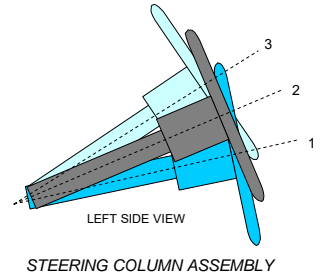
DATA SHEET NO. 2 ... (CONTINUED)

SEAT, SEAT BELT, STEERING WHEEL ADJUSTMENT, AND FUEL SYSTEM DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

STEERING COLUMN ADJUSTMENT

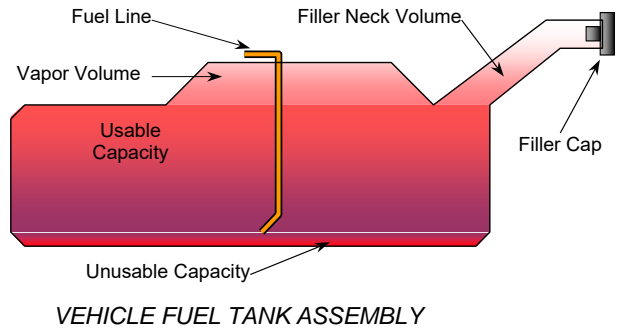
Steering wheel and column adjustments are made so that the steering wheel hub is at the center of the geometric locus it describes when it moves through its full range of motion.



	Degrees	Fore-Aft Position (mm)
Lowermost - Position 1	23.9	173
Geometric Center - Position 2	26.4	197
Uppermost - Position 3	26.4	220
Telescoping Steering Wheel Travel		197
Test Position	28.9	197

FUEL PUMP

The vehicle is equipped with an electric fuel pump. The fuel pump starts pumping fuel when the key is in the "ON" position.



FUEL TANK CAPACITY

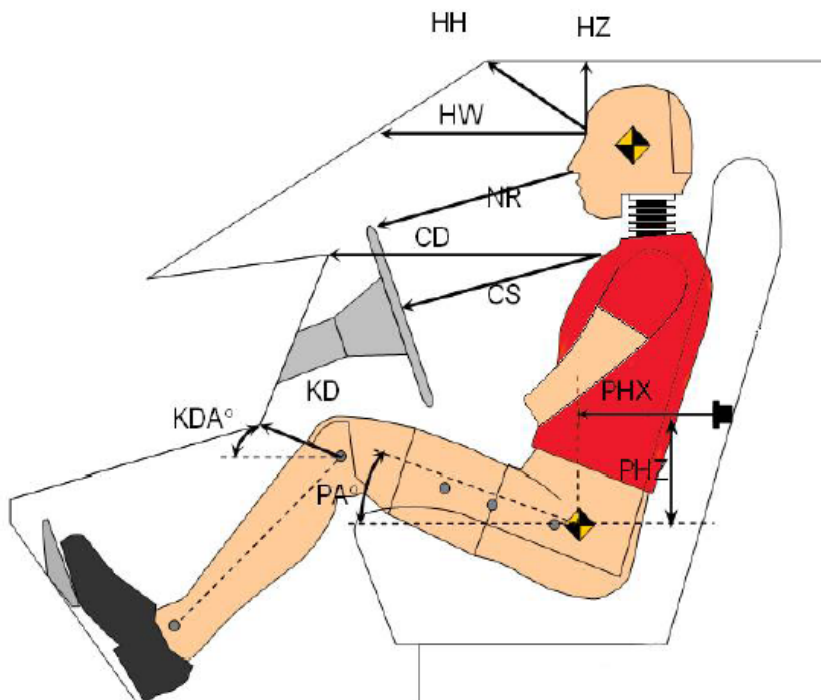
Description	Liters
Usable Capacity of "Standard Tank" (see Form No. 1)	51.10
Usable Capacity of "Optional Tank" (see Form No. 1)	
Usable Capacity of "Standard Tank" (see Owner's Manual)	
Usable Capacity of "Optional Tank" (see Owner's Manual)	
93% of Usable Capacity	47.52
Actual amount of Solvent Used in Test	47.50
1/3 of Usable Capacity	17.03

Is the Actual Amount of Solvent Used in the test equal to 93% ± 1% of the Usable Capacity stated in the Form No. 1? Yes No

DATA SHEET NO. 3

DUMMY LONGITUDINAL CLEARANCE DIMENSIONS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17



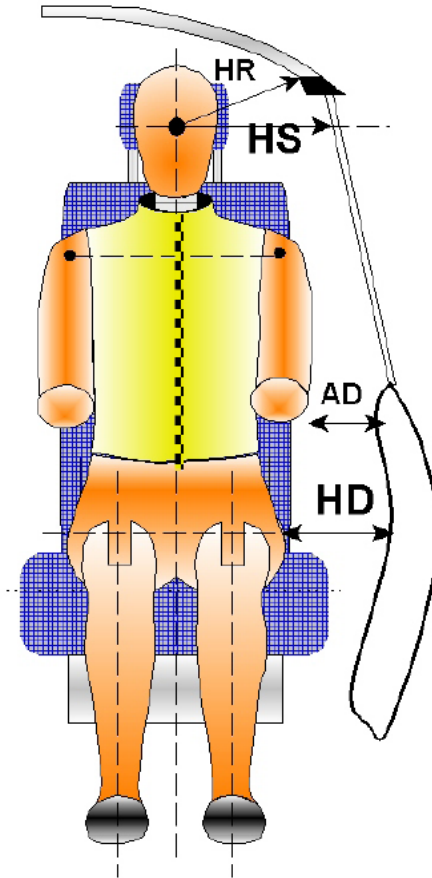
Driver Code	Description	Driver	
		Length (mm)	Angle (°)
HH	Head to Header	308	
HW	Head to Windshield	691	
HZ	Head to Roof	210	
NR	Nose to Rim	288	
CD	Chest to Dash	463	
CS	Chest to Steering Wheel	206	
KD(L)/KDA(L)°	Left Knee to Dash	139	21.1
KD(R)/KDA(R)°	Right Knee to Dash	119	28.6
PAX°	Pelvic Tilt Angle (x-axis)		21.9
PAY°	Pelvic Tilt Angle (y-axis)		0.1
PHX	Hip Point to Striker (x-axis)	306	
PHZ	Hip Point to Striker (z-axis)	103	

DATA SHEET NO. 4

DUMMY LATERAL CLEARANCE DIMENSIONS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307

Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

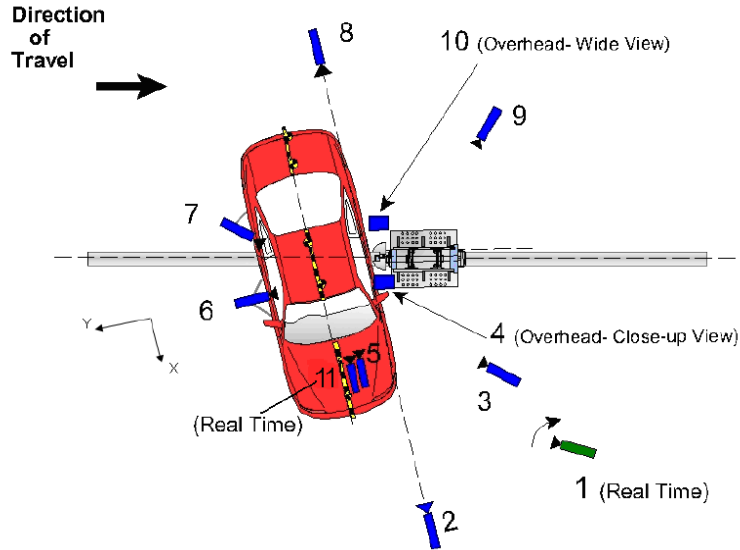


Code	Measurement Description	Units	Driver
HR	Head to Side Header	mm	266
HS	Head to Side Window	mm	355
AD	Arm to Door	mm	159
HD	Hip Point to Door	mm	185

DATA SHEET NO. 5

CAMERA AND INSTRUMENTATION DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17



Reference from Point of Impact for X and Y; from Ground for Z):
 +X = Forward of Vehicle, +Y = Right of Vehicle, +Z = Down

Camera No.	View	Coordinates (m)			Lens (mm)	Film Speed (fps)
		X*	Y*	Z*		
1	Real Time Pan View of Impact	8.89	46.57	-3.04		30
2	Front Ground Level - Impact View	8.34	-0.05	-0.93	24	1000
3	Impact Side 45° - Forward Pole View	4.10	-2.15	-1.15	8.5	1000
4	Overhead Close-Up View of Impact	0.00	0.00	-5.79	12.5	1000
5	On-Board - Dummy Front View	1.29	0.53	-1.36	24	1000
6	On-Board - Dummy Side View	-0.02	1.61	-1.14	14	1000
7	On-Board - Dummy Rear Oblique View	-0.97	1.56	-1.15	14	1000
8	Rear Ground Level - Impact View	-6.12	-6.23	-0.96	24	1000
9	Impact Side 45° - Rearward Pole View	-8.02	0.04	-1.01	35	1000
10	Overhead Wide View of Impact	-0.06	0.22	-5.79	14	1000
11	Real Time Dummy Front View	1.33	0.53	-1.36		30

*All measurements accurate to ±6 mm

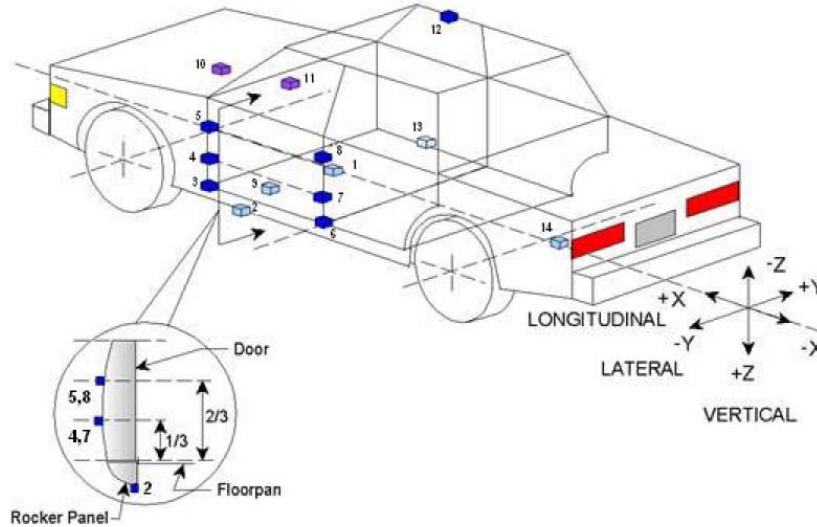
INSTRUMENTATION

Driver Dummy Channels	19
Vehicle Structure Accelerometers	16
Pole Load Cells	8
Total	43

DATA SHEET NO. 6

TEST VEHICLE ACCELEROMETER LOCATIONS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

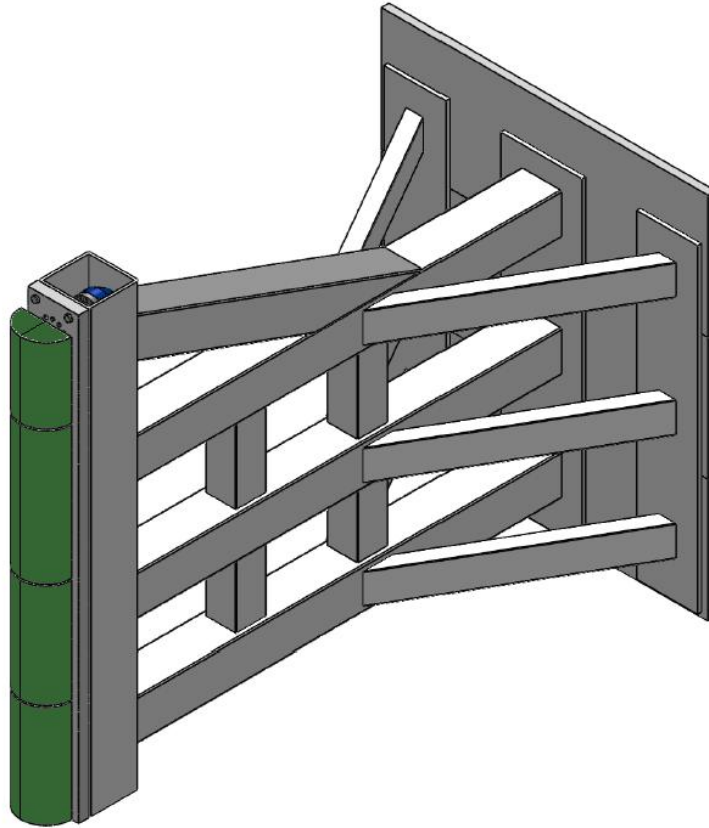


Loc. No.	Sensor Description	Coordinates (mm)		
		X	Y	Z
1	Vehicle CG	1852	20	394
2	Left Floor Sill	2750	764	238
3	A-Pillar Sill	2951	828	396
4	A-Pillar Low	2951	828	609
5	A-Pillar Mid	2951	828	826
6	B-Pillar Sill	1860	721	461
7	B-Pillar Low	1860	721	649
8	B-Pillar Mid	1860	721	843
9	Driver Seat Track	2180	143	417
10	Engine Top	1438	218	868
11	Firewall	1373	-17	997
12	Right Roof	1978	481	1558
13	Right Floor Sill	1871	724	341
14	Rear Floorpan	920	36	492

Reference: X – Rear surface of vehicle (+ forward)
 Y – Vehicle centerline (+ to right)
 Z – Ground plane (+ down)

DATA SHEET NO. 7
RIGID POLE LOAD CELL DATA

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17



ID	Units	Height From Ground
1	mm	87
2	mm	468
3	mm	648
4	mm	978
5	mm	1168
6	mm	1651
7	mm	1816
8	mm	2057

DATA SHEET NO. 8

POST-TEST OBSERVATIONS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

TEST DUMMY INFORMATION AND CONTACT POINTS

Dummy Body Part	Driver SID-IIs Dummy
Face	Curtain Airbag
Top of Head	Curtain Airbag
Left Side of Head	Curtain Airbag
Back of Head	Curtain Airbag
Left Shoulder	Torso/Pelvis Airbag
Upper Torso	Torso/Pelvis Airbag
Lower Torso	Torso/Pelvis Airbag
Left Hip	Torso/Pelvis Airbag
Left Knee	Door Panel

POST-TEST DOOR PERFORMANCE

Description	Struck Side		Non-Struck Side		Rear Hatch/Other Door
	Front	Rear	Front	Rear	
Remained Closed and Operational	No	No	Yes	Yes	Yes
Total Separation from Vehicle at Hinges or Latches	No	No	No	No	No
Latch or Hinge System Pulled Out of Their Anchorages	No	No	No	No	No
Disengaged from Latched Position	No	No	No	No	No
Latch Separated from Striker	No	No	No	No	No
Jammed Shut	Yes	Yes	No	No	No
If Door Opened at Striker, Record Width of Opening at Striker (mm)	N/A	N/A	N/A	N/A	N/A

POST-TEST SEAT PERFORMANCE

Description	Struck Side		Non-Struck Side	
	Front	Rear	Front	Rear
Seat Movement Along Seat Track	No	N/A	No	N/A
Seat Disengagement from Floor Pan	No	No	No	No
Seat Back Movement from Initial Position	No	No	No	No
Seat Back Collapse	No	No	No	No

POST-TEST STRUCTURAL OBSERVATIONS

Critical Areas of Performance	Observations and Conclusions
Pillar Performance	No separation occurred
Sill Separation	No separation occurred
Windshield Damage	Broken
Side Window Damage	Driver front window broken
Other Notable Effects	None

DATA SHEET NO. 8 ... (CONTINUED)

POST-TEST OBSERVATIONS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

SUPPLEMENTAL RESTRAINT SYSTEM INFORMATION

Restraint Type	Struck Side Driver		Struck Side Rear Passenger	
	Mounted	Deployed	Mounted	Deployed
Frontal Airbag	Yes	No	No	
Knee Airbag	Yes	No	No	
Side Airbag 1 (Curtain)	Yes	Yes	Yes	Yes
Side Airbag 2 (Torso/Pelvis)	Yes	Yes	No	
Seat Belt Pretensioner	Yes	Yes	No	
Seat Belt Load Limiter	Yes	Yes	No	

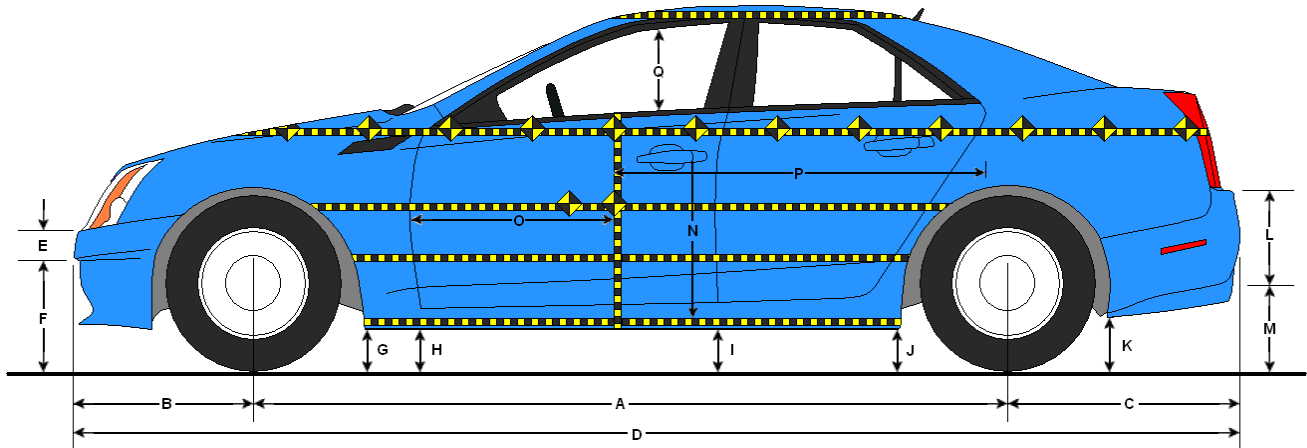
IMPACT POINT LOCATION DATA

Measured Parameter	Units	Tolerance	Value
Vertical Impact Reference Line (Aft of Front Axle)(Intended Impact Point)	mm		1097
Actual Impact Point (Aft of Front Axle)	mm		1096
Horizontal Offset (+ forward / - rearward)	mm	± 38 of Intended Impact Point	1
Angle Between Vehicle's Longitudinal Centerline and Line of Forward Motion	°	75 ± 3	74.9
Trap No. 1 Velocity (Primary)	km/h	31.4 to 33.0	31.72
Trap No. 2 Velocity (Redundant)	km/h	31.4 to 33.0	31.67

DATA SHEET NO. 9

TEST VEHICLE PROFILE MEASUREMENTS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17



LEFT SIDE VIEW

All measurements in mm with tolerance of ± 3 mm

VEHICLE PRE- AND POST-TEST MEASUREMENT INFORMATION

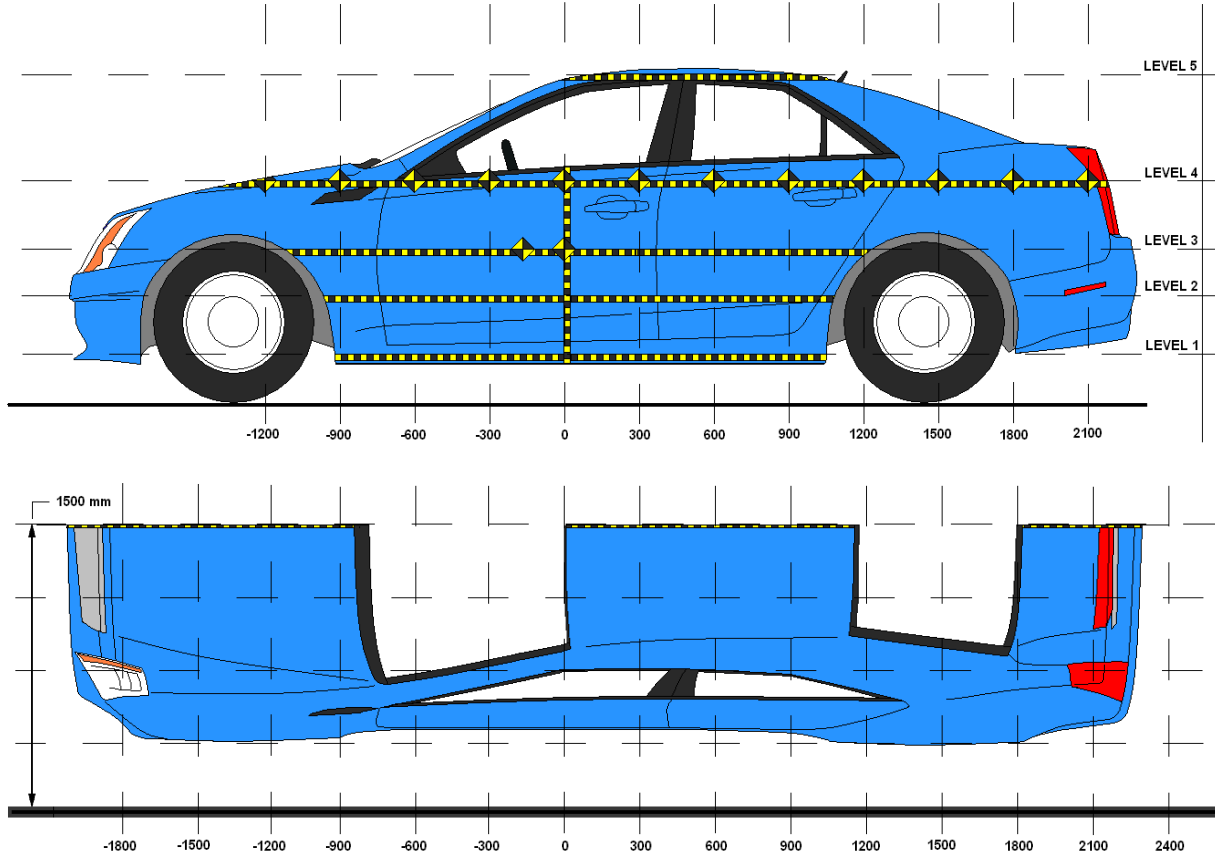
Code	Description	Pre-Test	Post-Test	Difference
A	Wheelbase	2623	2580	-43
B	Front Axle to FSOV	890	881	-9
C	Rear Axle to RSOV	856	903	47
D	Total Length at Centerline	4355	4364	9
E	Front Bumper Thickness	119	121	2
F	Front Bumper Bottom to Ground	516	523	7
G	Sill Height at Front Wheel Well	344	364	20
H	Sill Height at Front Door Leading Edge	304	325	21
I	Sill Height at B-Pillar	336	373	37
J1	Sill Height at Rear Wheel Well	346	392	46
J2	Pinch Weld Height at Rear Wheel Well	304	335	31
K	Sill Height Aft of Rear Wheel Well	417	417	0
L	Rear Bumper Thickness	265	265	0
M	Rear Bumper Bottom to Ground	465	460	-5
N	Sill Height to Bottom of Front Window Sill	730	723	-7
O	Front Door Leading Edge to Impact CL	629	560	-69
P	Rear Door Trailing Edge to Impact CL	1385	1314	-71
Q	Front Window Opening	433	453	20
R	Right Side Length	3234	3237	3
S	Left Side Length	3233	3222	-11
T	Vehicle Width at B-Pillar	1781	1711	-70

DATA SHEET NO. 10

TEST VEHICLE EXTERIOR CRUSH MEASUREMENTS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307

Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17



NOTE: All measurements in mm with tolerance of ± 3 mm

MAXIMUM EXTERIOR CRUSH MEASUREMENTS

Level	Description	Height Above Ground (mm)	Maximum Exterior Static Crush	Distance from Impact
1	Sill Top	342	204	0
2	Occupant H-Point	712	287	0
3	Mid-Door	783	294	0
4	Window Sill	1054	269	0
5	Window Top	1574	99	0

DATA SHEET NO. 10 ... (CONTINUED)

TEST VEHICLE EXTERIOR CRUSH MEASUREMENTS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17

EXTERIOR CRUSH MEASUREMENTS AT EACH LEVEL

	Pre-Test (mm)					Post-Test (mm)					Difference (mm)				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
-900				690					643					-47	
-750		598	598	682			558	561	654			-40	-37	-28	
-600	629	606	609	674		609	559	581	657		-20	-47	-28	-17	
-450	649	616	615	666		675	644	646	709		26	28	31	43	
-300	666	616	615	657		742	726	731	765		76	110	116	108	
-150	668	615	613	653		802	816	821	833		134	201	208	180	
0	667	615	613	646	898	871	902	907	915	997	204	287	294	269	99
150	668	616	612	643	896	840	878	884	903	994	172	262	272	260	98
300	667	616	613	642	899	755	761	767	789	962	88	145	154	147	63
450	669	618	615	638	899	706	669	668	691	940	37	51	53	53	41
600	672	621	618	635	903	685	658	657	676	925	13	37	39	41	22
750	671	624	622	637	907	669	647	647	667	915	-2	23	25	30	8
900	650	621	620	641	912	637	630	633	659	912	-13	9	13	18	0
1050	632	607	609	646	919	608	602	608	651	915	-24	-5	-1	5	-4
1200		598	598	656	922		581	584	645	921		-17	-14	-11	-1
1350			594	653	929			562	635	928			-32	-18	-1
1500				657	935				656	935				-1	0
1650				664					664					0	
1800				675					675					0	
1950															
2100															
2250															
2400															
2550															
2700															
2850															

DATA SHEET NO. 10 ... (CONTINUED)

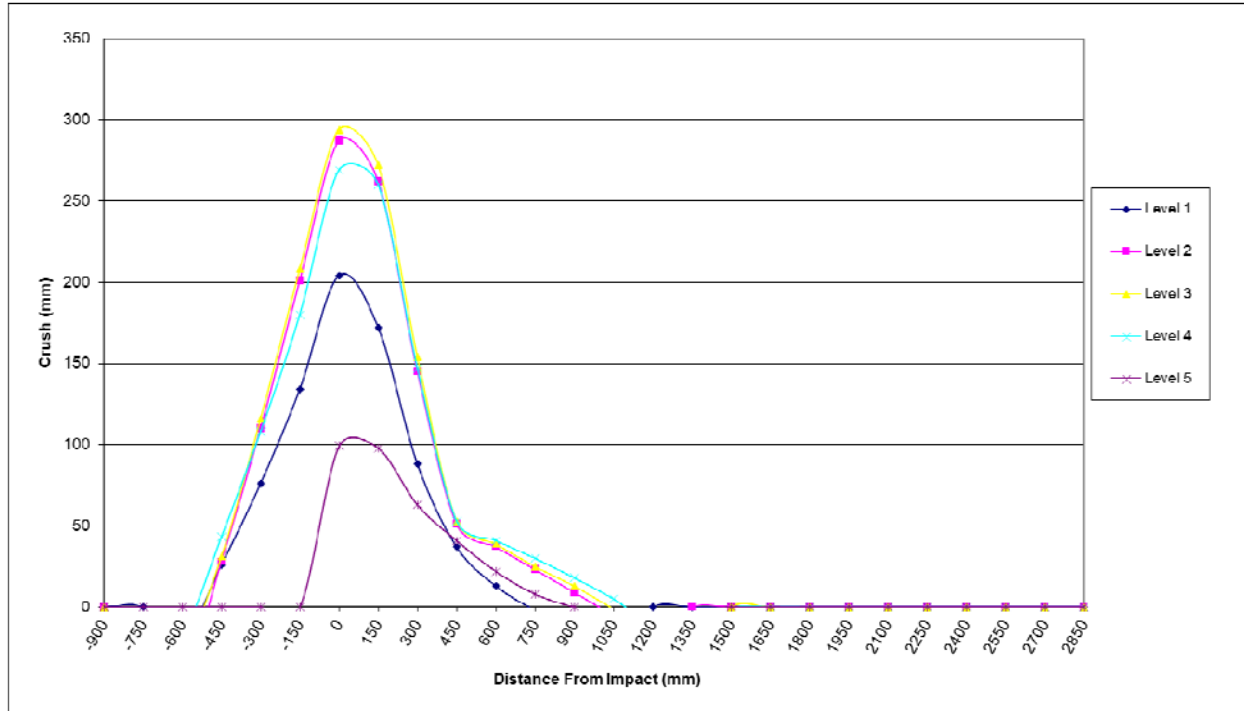
TEST VEHICLE EXTERIOR CRUSH MEASUREMENTS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV

NHTSA No. M20180307

Test Program: NCAP Side Pole Impact Test

Test Date: 11/06/17

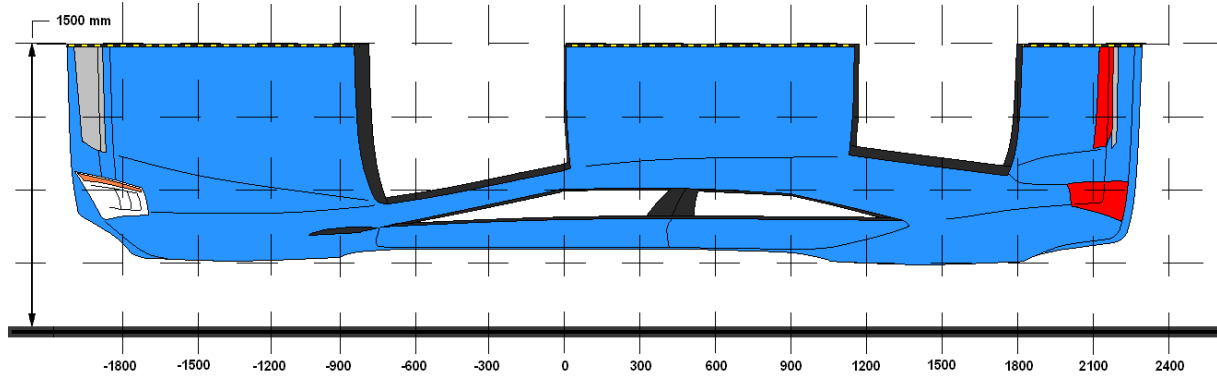


DATA SHEET NO. 11

VEHICLE DAMAGE PROFILE DISTANCES

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307

Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17



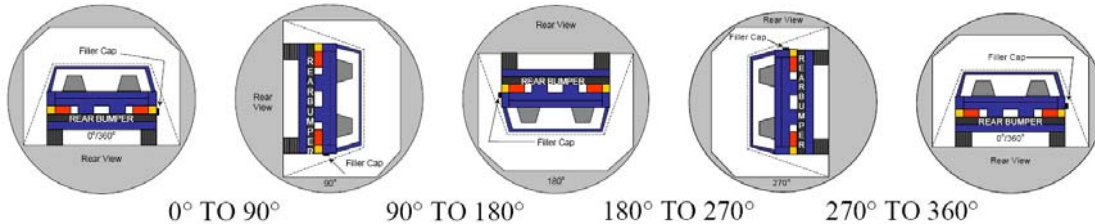
DPD	Distance From Impact Point (mm)	Level	Pre-Test (mm)	Post-Test (mm)	Crush (mm)
1	1800	4	675	675	0
2	1200	5	922	921	-1
3	750	4	637	667	30
4	150	3	612	884	272
5	-300	3	615	731	116
6	-900	4	690	643	-47

DATA SHEET NO. 12

FMVSS NO. 301 STATIC ROLLOVER RESULTS

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307
 Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17
 Temperature at Time of Impact: 18.9° C Test Time: 11:48 AM

- A. From impact until vehicle motion ceases: 0 oz.
(Maximum allowable = 1 oz.)
- B. For the 5 minute period after motion ceases: 0 oz.
(Maximum allowable = 5 oz.)
- C. For the following 25 minutes: 0 oz.
(Maximum allowable = 1 oz./minute)
- D. Spillage Details: There was no Stoddard solvent spillage.



SOLVENT COLLECTION TIME TABLE IN SECONDS

Test Phase	Rotation Time	Hold Time	Total Time
0° To 90°	81	300	381
90° To 180°	81	300	381
180° To 270°	82	300	382
270° To 360°	79	300	379

FMVSS 301 SPILLAGE TABLE

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

SOLVENT SPILLAGE LOCATION TABLE

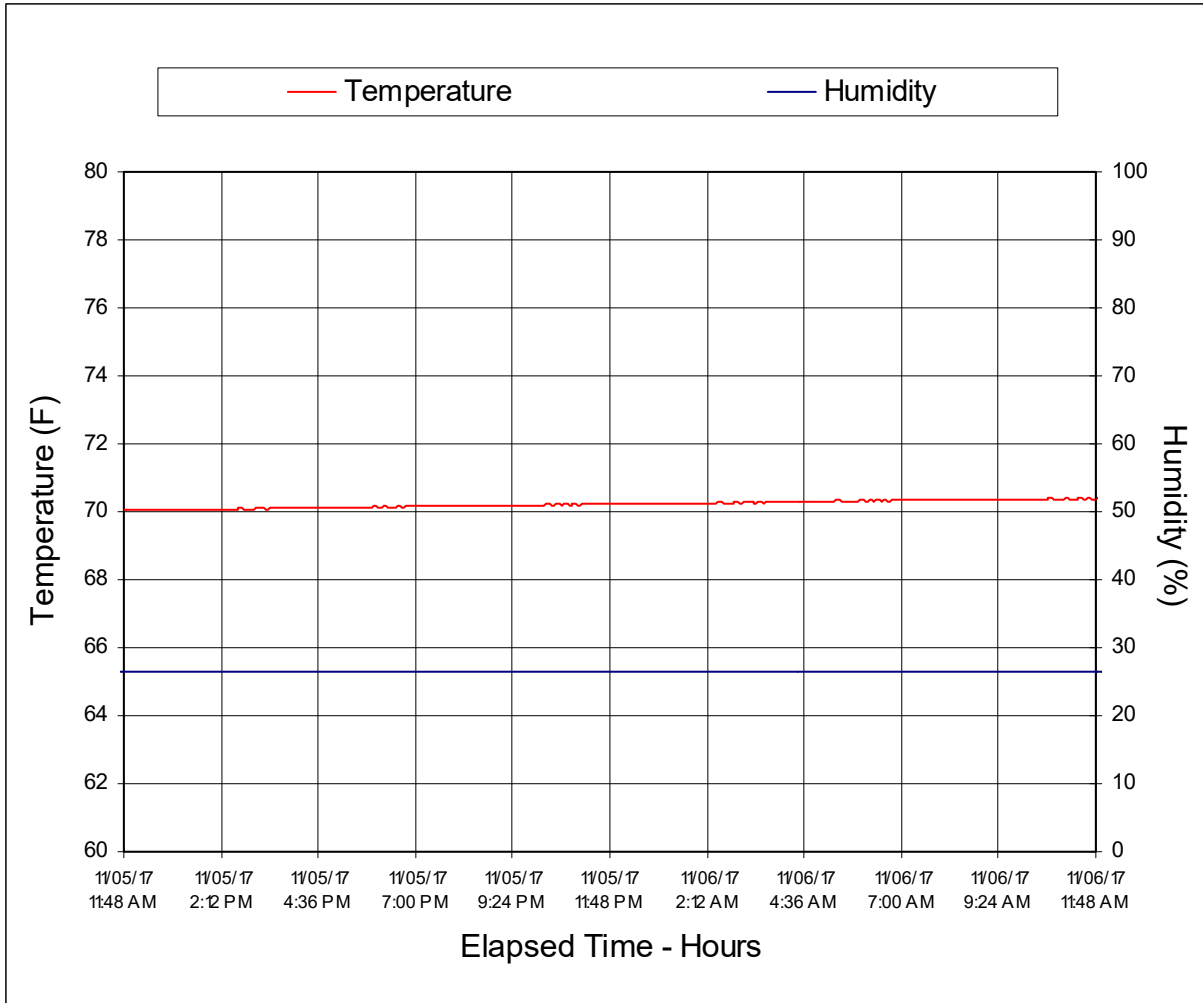
Test Phase	Spillage Location
0° To 90°	No Spillage Occurred
90° To 180°	No Spillage Occurred
180° To 270°	No Spillage Occurred
270° To 360°	No Spillage Occurred

DATA SHEET NO. 13

DUMMY/VEHICLE TEMPERATURE AND HUMIDITY STABILIZATION

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV NHTSA No. M20180307

Test Program: NCAP Side Pole Impact Test Test Date: 11/06/17



**APPENDIX A
PHOTOGRAPHS**

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FIGURE 1. As-Delivered Right Front $\frac{3}{4}$ View of Test Vehicle



FIGURE 2. As-Delivered Left Rear $\frac{3}{4}$ View of Test Vehicle



FIGURE 3. Pre-Test Frontal View of Test Vehicle



FIGURE 4. Post-Test Frontal View of Test Vehicle



FIGURE 5. Pre-Test Left Front $\frac{3}{4}$ View of Test Vehicle



FIGURE 6. Post-Test Left Front $\frac{3}{4}$ View of Test Vehicle



FIGURE 7. Pre-Test Left Side View of Test Vehicle



FIGURE 8. Post-Test Left Side View of Test Vehicle



FIGURE 9. Pre-Test Left Rear $\frac{3}{4}$ View of Test Vehicle



FIGURE 10. Post-Test Left Rear $\frac{3}{4}$ View of Test Vehicle



FIGURE 11. Pre-Test Rear View of Test Vehicle



FIGURE 12. Post-Test Rear View of Test Vehicle



FIGURE 13. Pre-Test Right Side View of Test Vehicle



FIGURE 14. Post-Test Right Side View of Test Vehicle

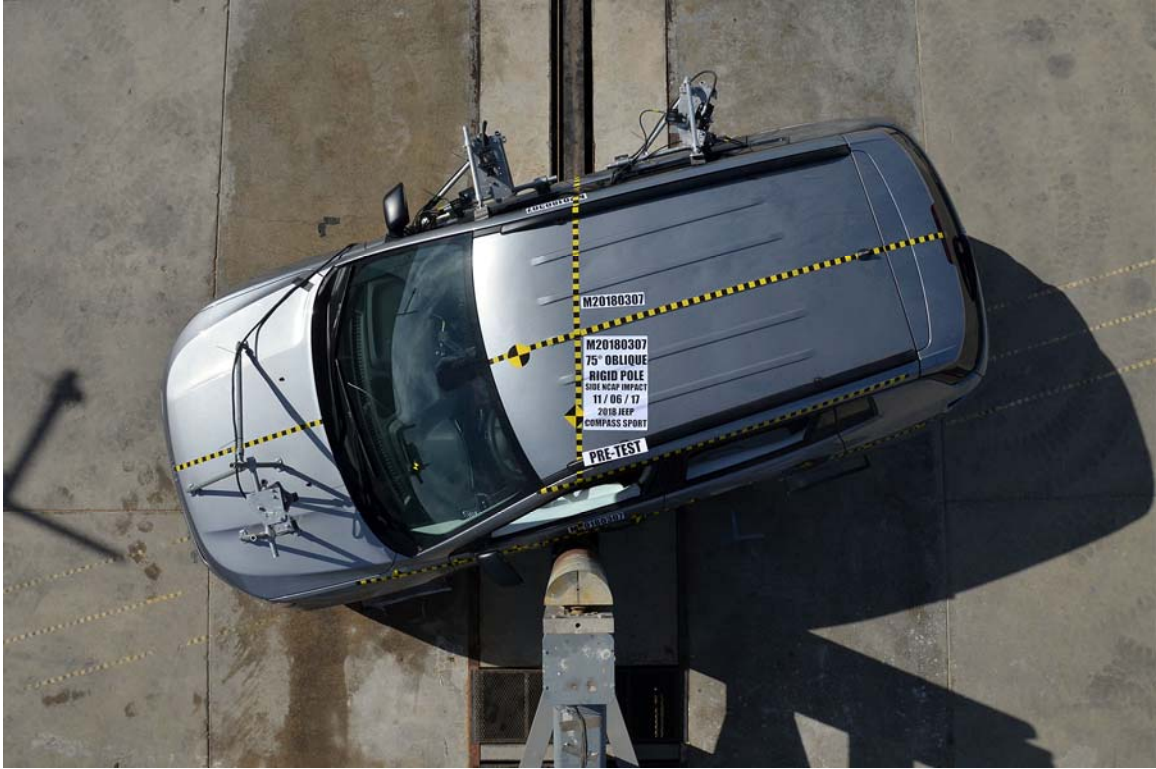


FIGURE 15. Pre-Test Overhead View of Test Area

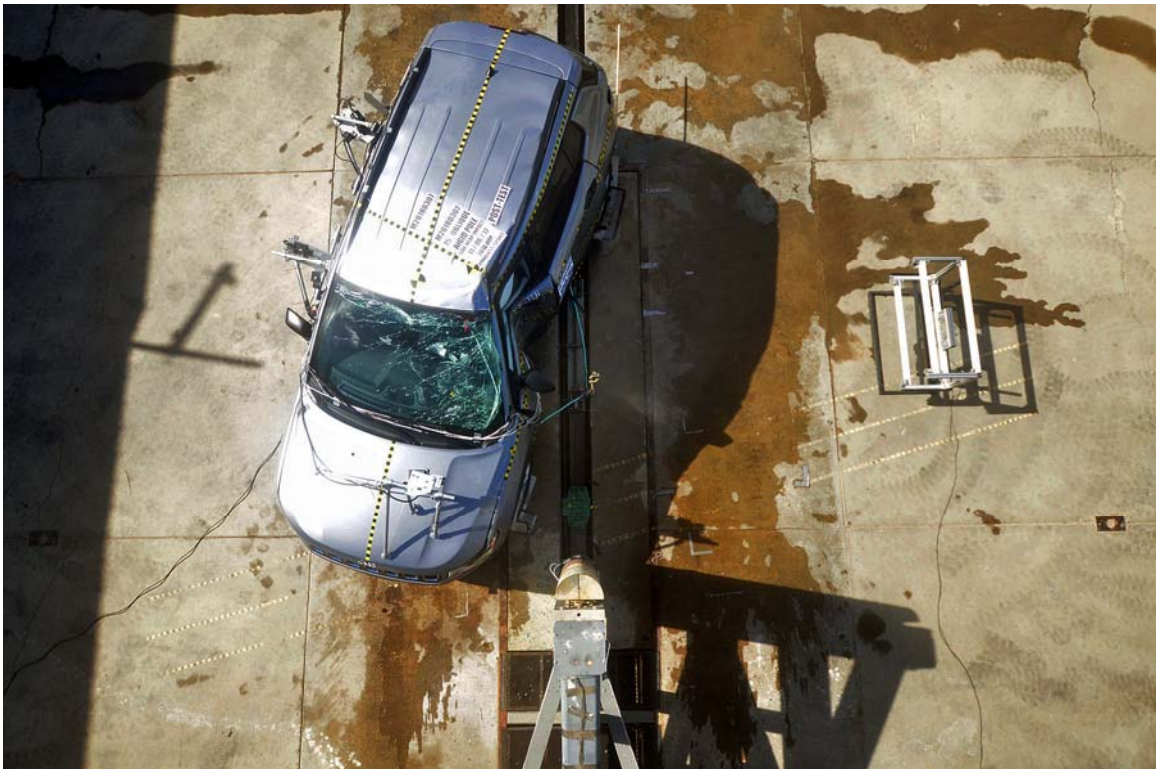


FIGURE 16. Post-Test Overhead View of Test Area



FIGURE 17. Pre-Test Left Side View of Pole Positioned Against Side of Vehicle



FIGURE 18. Pre-Test Right Side View of Pole Positioned Against Side of Vehicle



FIGURE 19. Pre-Test Close-Up View of Impact Point Target



FIGURE 20. Post-Test Close-Up View of Impact Point Target Showing Impact Location



FIGURE 21. Pre-Test Front Close-Up View of Dummy Head and Chest



FIGURE 22. Post-Test Front Close-Up View of Dummy



FIGURE 23. Pre-Test Left Side View of Dummy Showing Belt and Chalking



FIGURE 24. Pre-Test Left Side View of Dummy Shoulder and Door Top View



FIGURE 25. Post-Test Left Side View of Dummy Shoulder and Door Top View



FIGURE 26. Pre-Test Frontal View of Seat Back Prior to Dummy Positioning



FIGURE 27. Pre-Test Frontal Close-Up View of Dummy Head and Shoulders in Relation to Head Restraint



FIGURE 28. Pre-Test Overhead View of Seat Pan Prior to Dummy Positioning



FIGURE 29. Pre-Test Overhead View of Dummy Thighs on Seat Pan

Photograph Not Available

FIGURE 30. Pre-Test Left Side View of Dummy's Neck
Showing Position of Adjustable Neck Bracket



FIGURE 31. Pre-Test Left Side View of Dummy's Head
Showing Dummy's Head is Level



FIGURE 32. Pre-Test Placement of Dummy's Feet



FIGURE 33. Pre-Test View of Belt Anchorage for Dummy

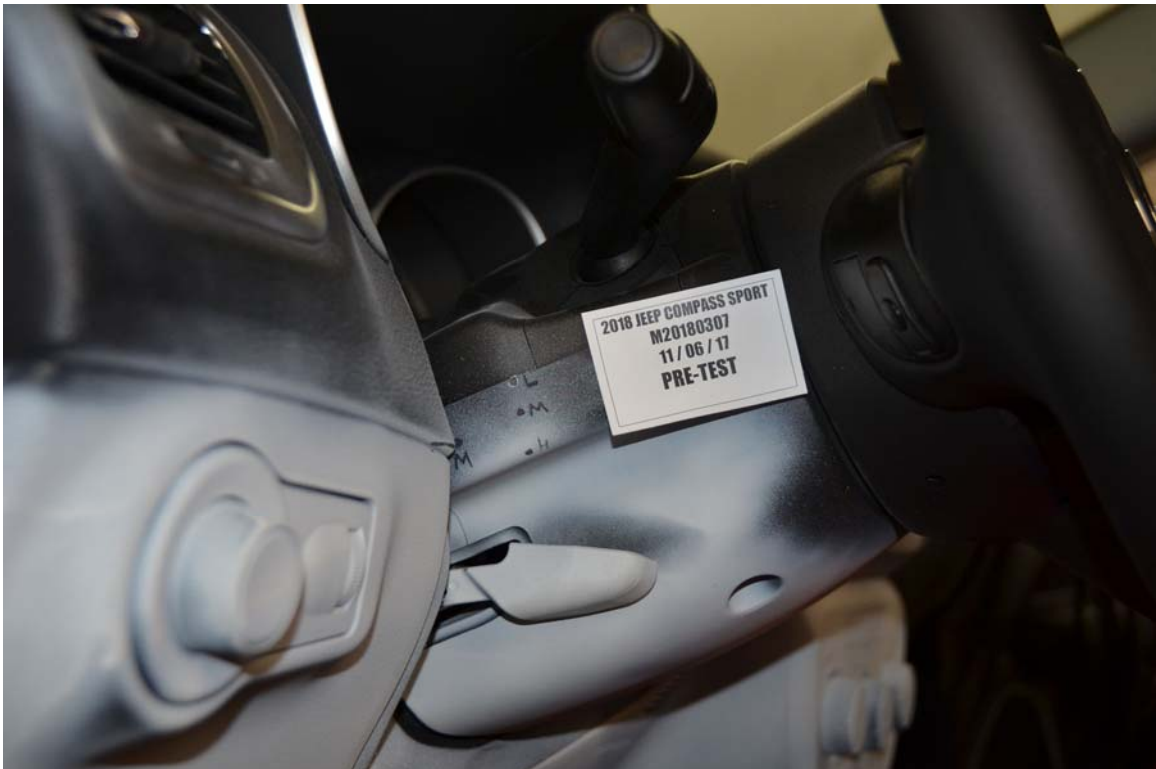


FIGURE 34. Pre-Test Left Side View of Steering Wheel



FIGURE 35. View of Disengaged Parking Brake



FIGURE 36. Pre-Test View of Parking Brake



FIGURE 37. Pre-Test Close-Up Left Side View of Driver Seat Track



FIGURE 38. Pre-Test Close-Up Left Side View of Driver Seat Back



FIGURE 39. Pre-Test Close-Up View of Driver Seat Back or Head Restraint



FIGURE 40. Pre-Test Dummy and Door Clearance View



FIGURE 41. Post-Test Dummy and Door Clearance View



FIGURE 42. Pre-Test Right Side View of Dummy and Front Seat of Occupant Compartment



FIGURE 43. Post-Test Right Side View of Dummy and Front Seat of Occupant Compartment



FIGURE 44. Pre-Test Inner Door Panel View



FIGURE 45. Post-Test Inner Door Panel View Showing Dummy Contact Locations



FIGURE 46. Post-Test Dummy Close-Up Head Contact with Vehicle Interior View



FIGURE 47. Post-Test Dummy Close-Up Head Contact With Side Airbag View



FIGURE 48. Post-Test Dummy Close-Up Torso Contact With Vehicle Interior View



FIGURE 49. Post-Test Dummy Close-Up Torso Contact With Side Airbag View



FIGURE 50. Post-Test Dummy Close-Up Pelvis Contact With Vehicle Interior View



FIGURE 51. Post-Test Dummy Close-Up Pelvis Contact With Side Airbag View



FIGURE 52. Post-Test Dummy Close-Up Knee Contact with Vehicle Interior View



FIGURE 53. Pre-Test View of Fuel Filler Cap or Fuel Filler Neck



FIGURE 54. Post-Test View of Fuel Filler Cap or Fuel Filler Neck



FIGURE 55. Close-Up View of Vehicle's Certification Label

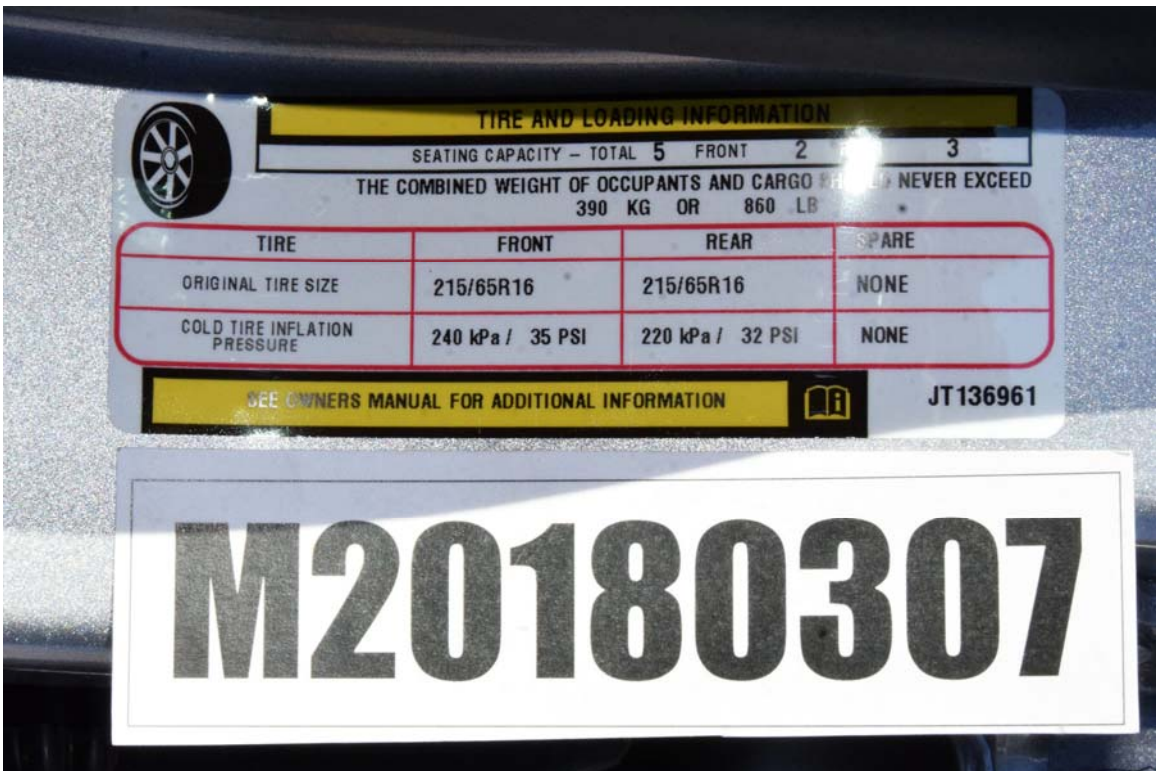


FIGURE 56. Close-Up View of Vehicle's Tire Information Placard or Label



FIGURE 57. Pre-Test Pole Barrier Front View



FIGURE 58. Post-Test Pole Barrier Front View



FIGURE 59. Pre-Test Pole Barrier Side View



FIGURE 60. Post-Test Pole Barrier Side View

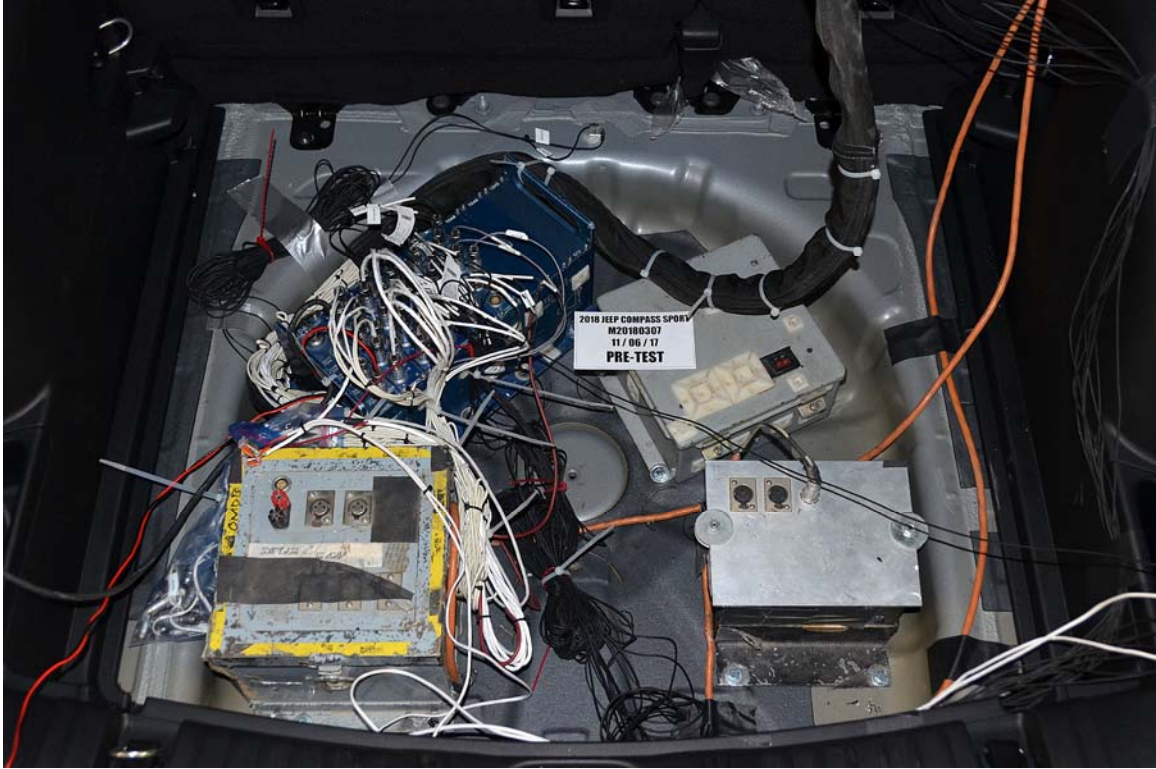


FIGURE 61. Pre-Test Ballast View



FIGURE 62. Post-Test Primary and Redundant Speed Trap Read-Out

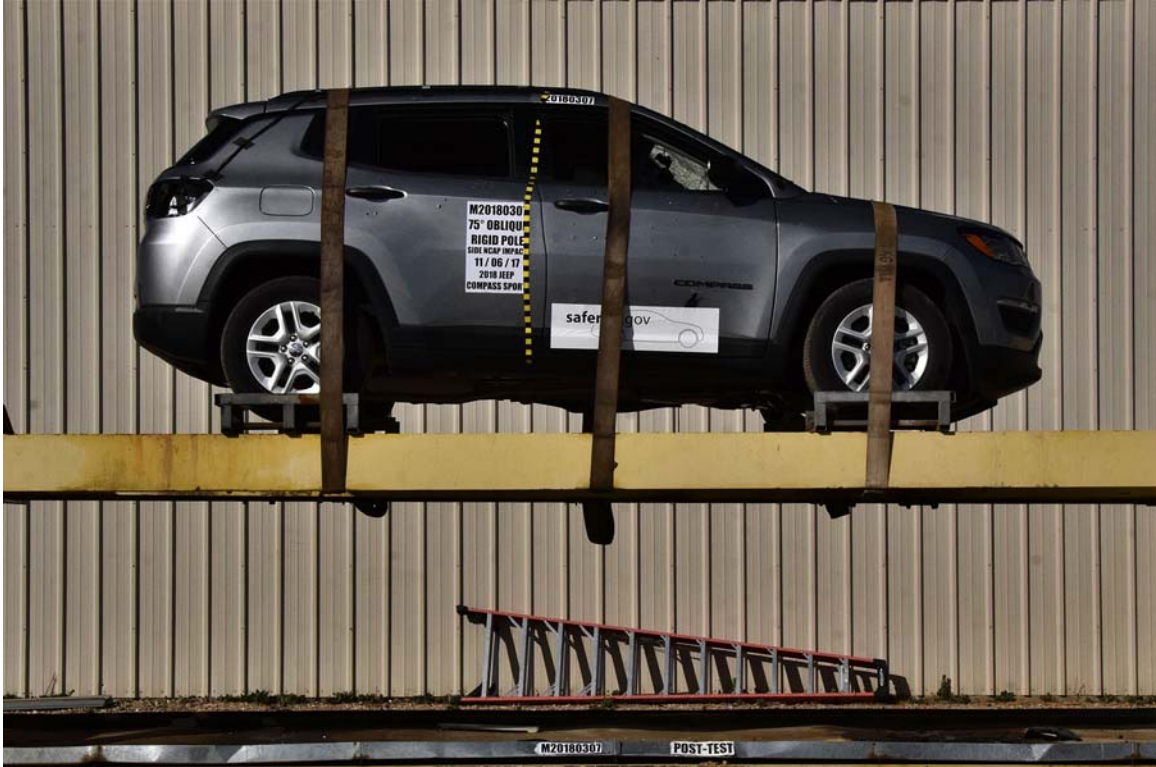


FIGURE 63. FMVSS No. 301 Static Rollover 0 Degrees



FIGURE 64. FMVSS No. 301 Static Rollover 90 Degrees

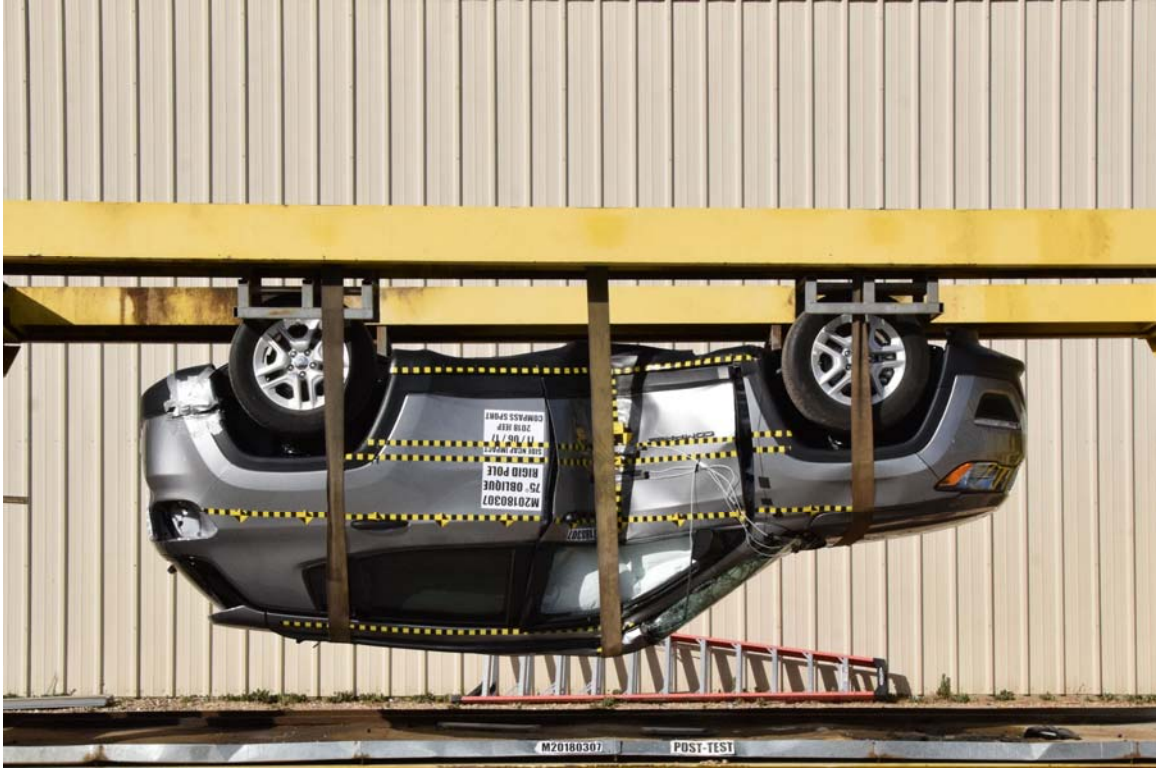


FIGURE 65. FMVSS No. 301 Static Rollover 180 Degrees

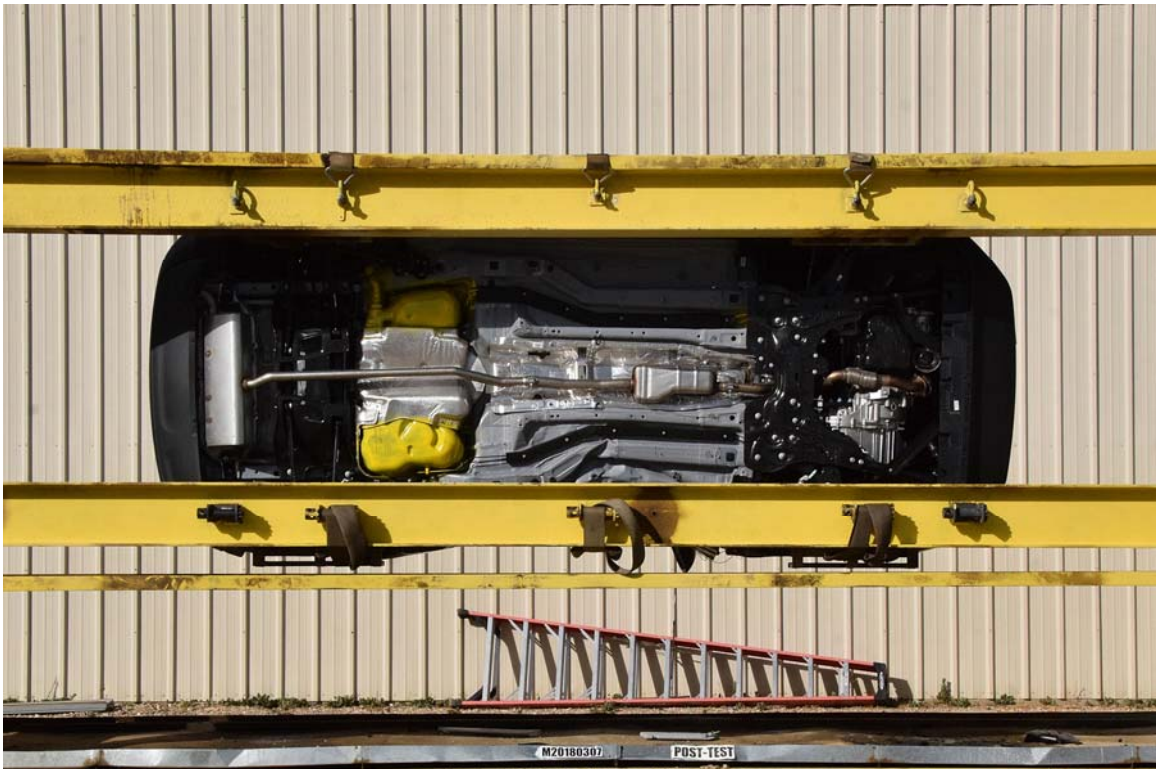


FIGURE 66. FMVSS No. 301 Static Rollover 270 Degrees



FIGURE 67. FMVSS No. 301 Static Rollover 360 Degrees



FIGURE 68. Impact Event

Jeep 2018 MODEL YEAR **COMPASS SPORT FWD**

For more information visit: www.jeep.com or call 1-877-IAM-JEEP FCA US LLC

Fuel Economy and Environment Gasoline Vehicle

Fuel Economy 26 MPG combined city/hwy, 23 city, 32 highway. Small SUV 2WD range from 18 to 34 MPG. The best vehicle rates 126 MPGe.

You spend \$250 more in fuel costs over 5 years compared to the average new vehicle.

Annual fuel cost \$1,400

Fuel Economy & Greenhouse Gas Rating (multiple only) Smog Rating (multiple only)

WARRANTY COVERAGE
 3-year or 50,000-mile Powertrain Limited Warranty.
 3-year or 36,000-mile Basic Limited Warranty.
 Ask Dealer for a copy of the limited warranties or see your owner's manual for details.

5 YEAR / 60,000 MILE POWERTRAIN WARRANTY

TOTAL PRICE: * \$23,530

WARRANTY COVERAGE
 3-year or 50,000-mile Powertrain Limited Warranty.
 3-year or 36,000-mile Basic Limited Warranty.
 Ask Dealer for a copy of the limited warranties or see your owner's manual for details.

5 YEAR / 60,000 MILE POWERTRAIN WARRANTY

GOVERNMENT 5-STAR SAFETY RATINGS
 This vehicle has not been rated by the government for frontal crash, side crash or rollover risk.
 Source: National Highway Traffic Safety Administration (NHTSA) www.safercar.gov or 1-888-327-4236

PARTS CONTENT INFORMATION
 FOR VEHICLES IN THIS COUNTRY: U.S./CANADIAN PARTS CONTENT: 17% MAJOR SOURCES OF FOREIGN PARTS CONTENT:
 MEXICO: 69%
 NOTE: PARTS CONTENT DOES NOT INCLUDE FINAL ASSEMBLY, DISTRIBUTION, OR OTHER NON-PARTS COSTS.
 FOR THIS VEHICLE: FINAL ASSEMBLY POINT: TOLUCA, MEXICO
 COUNTRY OF ORIGIN: ENGINE: UNITED STATES TRANSMISSION: ITALY

Assembly Point of Entry: TOLUCA, MEXICO
 VIN: 3C4-NJCA8JT-136961 L410R 7741 0014

LIBERTY CHRYSLER DOODGE JEEP RAM
 100 EAST PARK AVENUE
 LIBERTYVILLE, IL 62048-2951

THIS LABEL IS ADDED TO THIS VEHICLE TO COMPLY WITH FEDERAL LAW. THE LABEL CANNOT BE REMOVED OR ALTERED PRIOR TO DELIVERY TO THE FINAL OWNER.
 *MSRP. EXcludes destination charge, taxes, title, license and other fees. Dealer sets actual price. Dealer sets actual price. Dealer sets actual price.
 *MSRP. EXcludes destination charge, taxes, title, license and other fees. Dealer sets actual price. Dealer sets actual price. Dealer sets actual price.

FIGURE 69. Monroney Label

GETTING TO KNOW YOUR VEHICLE

HEAD RESTRAINTS
 Head restraints are designed to reduce the risk of injury by restricting head movement in the event of a rear impact. Head restraints should be adjusted so that the top of the head restraint is located above the top of your ear.

WARNING!
 All occupants, including the driver, should not operate a vehicle or sit in a vehicle's seat until the head restraints are placed in their proper positions in order to minimize the risk of neck injury in the event of a crash.
 Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

NOTE:
 Do not reverse the head restraints (making the rear of the head restraint face forward) in an attempt to gain additional clearance to the back of your head.

24

Front Head Restraint Adjustment
 Your vehicle is equipped with front four way driver and passenger head restraints. To raise the head restraint, pull upward on the head restraint. To lower the head restraint, push the adjustment button, located at the base of the head restraint, and push downward on the head restraint. To adjust the head restraint forward, pull the top of the head restraint toward the front of the vehicle as desired and release. To adjust the head restraint rearward, pull the top of the head restraint to the forward most position and release. The head restraint will return to the rear most position.

Head Restraint Adjustment Button

Head Restraint (Normal Position)

WARNING!
 Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

Rear Head Restraints
 The rear outboard head restraints have three positions Up, Mid and Down. The center head restraint has only two positions, Up or Down. When the center seat is being occupied, the head restraint should be in the raised position. When there is no occupant in the center seat, the head restraint can be lowered for maximum visibility for the driver. To raise the head restraint, pull upward on the head restraint. To lower the head restraint, push the adjustment button, located at the base of the head restraint, and push downward on the head restraint.

Head Restraint (Adjusted Position)

NOTE:
 The head restraints should only be removed by qualified technicians, for service purposes only. If either of the head restraints require removal, see your authorized dealer.

WARNING!
 All occupants, including the driver, should not operate a vehicle or sit in a vehicle's seat until the head restraints are placed in their proper positions in order to minimize the risk of neck injury in the event of a crash.

Outboard Head Restraint Adjustment Button

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FIGURE 70. Head Restraint Use and Adjustment Information from Vehicle Owner's Manual

APPENDIX B
DUMMY RESPONSE DATA

TABLE OF DATA PLOTS

Plot		Page
1	Driver Head Acceleration (X) Primary	B-1
2	Driver Head Acceleration (Y) Primary	B-1
3	Driver Head Acceleration (Z) Primary	B-1
4	Driver Head Acceleration Primary Resultant	B-1
5	Driver Lower Spine T12 Acceleration (X)	B-2
6	Driver Lower Spine T12 Acceleration (Y)	B-2
7	Driver Lower Spine T12 Acceleration (Z)	B-2
8	Driver Lower Spine T12 Acceleration Resultant	B-2
9	Driver Iliac Wing Force on Impact Side (Y)	B-3
10	Driver Acetabulum Force on Impact Side (Y)	B-3
11	Driver Total Pelvis Force on Impact Side (Y)	B-3

The following additional data for this test can be obtained from the Research and Development section of the NHTSA website. The website can be found at

www.NHTSA.dot.gov

Additional Driver Dummy Instrumentation Data

Driver Head Acceleration Redundant (X)
Driver Head Acceleration Redundant (Y)
Driver Head Acceleration Redundant (Z)
Driver Upper Thorax Rib Deflection (Y)
Driver Middle Thorax Rib Deflection (Y)
Driver Lower Thorax Rib Deflection (Y)
Driver Upper Abdomen Rib Deflection (Y)
Driver Lower Abdomen Rib Deflection (Y)

Vehicle Instrumentation Data

Vehicle Center of Gravity Acceleration (X)
Vehicle Center of Gravity Acceleration (Y)
Vehicle Center of Gravity Acceleration (Z)
Left Floor Sill Acceleration (Y)
Left A-Pillar Sill Acceleration (Y)
Left Lower A-Pillar Acceleration (Y)
Left Mid A-Pillar Acceleration (Y)

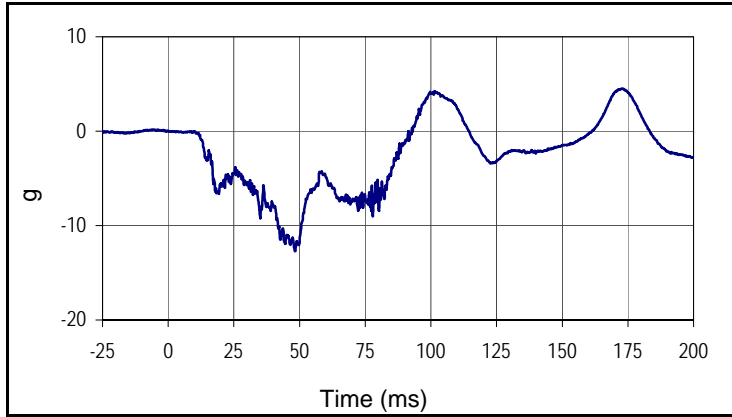
Left B-Pillar Sill Acceleration
Left Lower B-Pillar Acceleration (Y)
Left Mid B-Pillar Acceleration (Y)
Driver Seat Track at Dummy Hip Point Acceleration (Y)
Engine Top Acceleration (X)
Engine Top Acceleration (Y)
Firewall Center Acceleration (Y)
Right Roof at Vertical Impact Reference Line Acceleration (Y)
Right Sill at Vertical Impact Reference Line Acceleration (Y)
Rear Floorpan Behind Rear Axle at Centerline Acceleration (X)
Rear Floorpan Behind Rear Axle at Centerline Acceleration (Y)

Pole Instrumentation Data

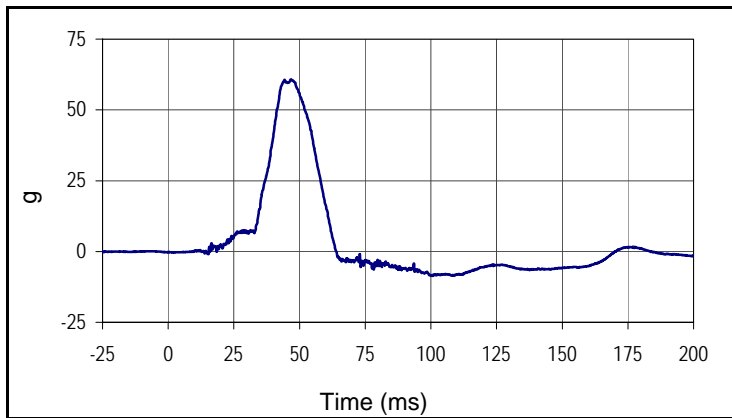
Load Cell Pole Barrier #1 Force (Y)
Load Cell Pole Barrier #2 Force (Y)
Load Cell Pole Barrier #3 Force (Y)
Load Cell Pole Barrier #4 Force (Y)
Load Cell Pole Barrier #5 Force (Y)
Load Cell Pole Barrier #6 Force (Y)
Load Cell Pole Barrier #7 Force (Y)
Load Cell Pole Barrier #8 Force (Y)

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV
 Test Program: NCAP Side Pole Impact Test

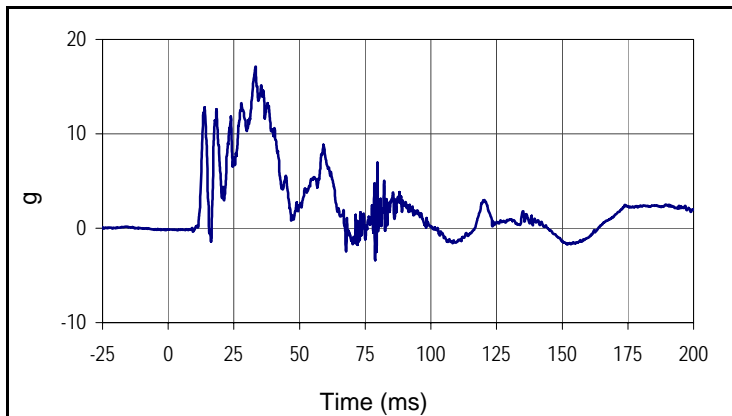
Test Date: 11/6/17
 NHTSA No.: M20180307



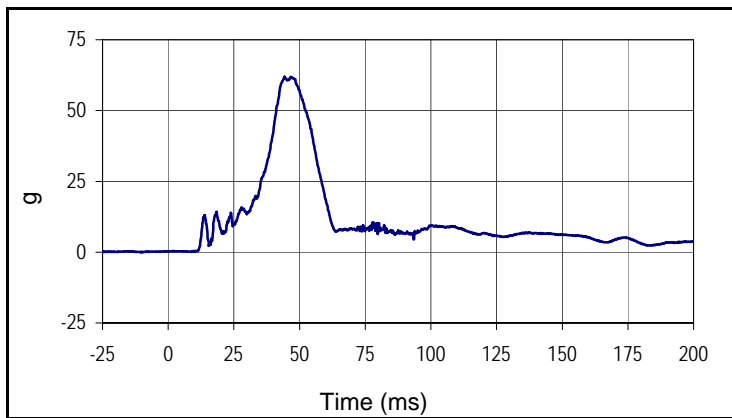
Curve Description			
Driver Head Acceleration X Primary			
Plot No.		SAE Class	Units
001		1000	g
Max	Time	Min	Time
4.5	172.7	-12.7	48.3



Curve Description			
Driver Head Acceleration Y Primary			
Plot No.		SAE Class	Units
002		1000	g
Max	Time	Min	Time
60.7	46.6	-8.6	100.5



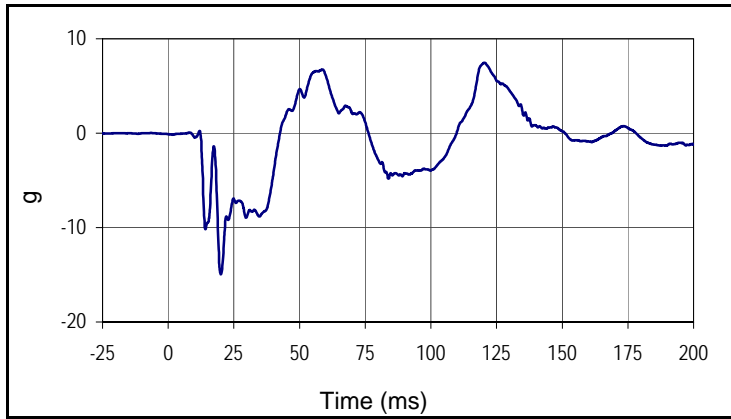
Curve Description			
Driver Head Acceleration Z Primary			
Plot No.		SAE Class	Units
003		1000	g
Max	Time	Min	Time
17.1	33.2	-3.4	78.8



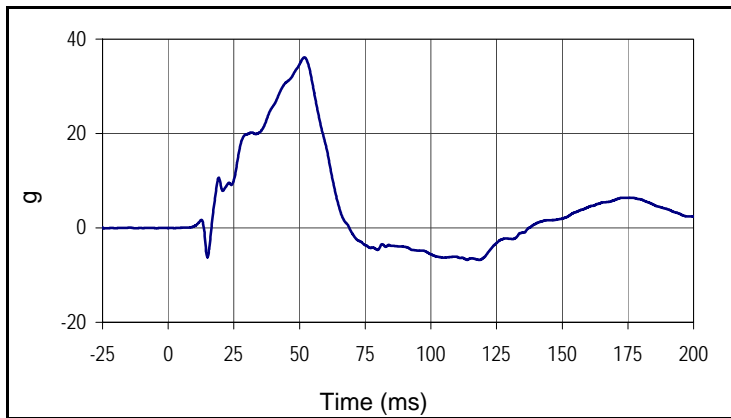
Curve Description			
Driver Head Acceleration Primary Resultant			
Plot No.		SAE Class	Units
004		1000	g
Max	Time	Min	Time
62.0	44.3	0.1	9.0

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV
 Test Program: NCAP Side Pole Impact Test

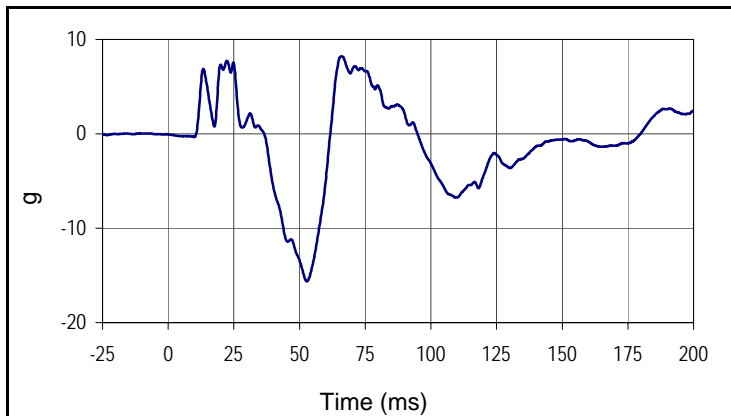
Test Date: 11/6/17
 NHTSA No.: M20180307



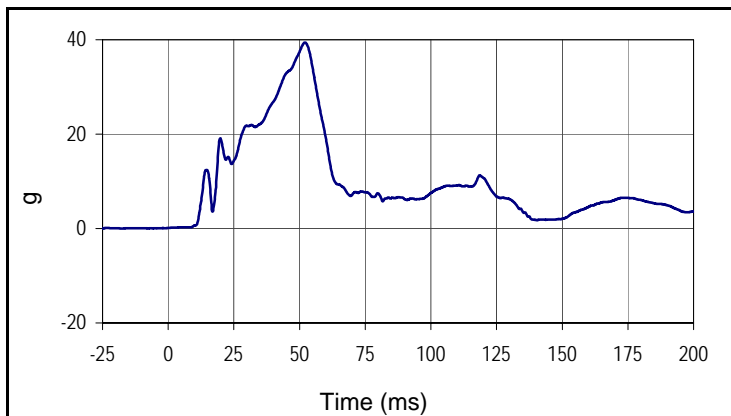
Curve Description			
Driver Lower Spine T12 Acceleration X			
Plot No.		SAE Class	Units
005		180	g
Max	Time	Min	Time
7.5	120.4	-15.0	20.0



Curve Description			
Driver Lower Spine T12 Acceleration Y			
Plot No.		SAE Class	Units
006		180	g
Max	Time	Min	Time
36.1	51.8	-6.8	118.5



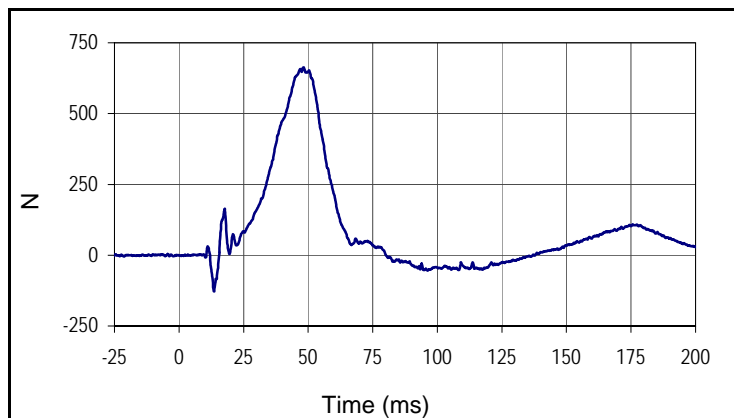
Curve Description			
Driver Lower Spine T12 Acceleration Z			
Plot No.		SAE Class	Units
007		180	g
Max	Time	Min	Time
8.2	65.9	-15.6	52.8



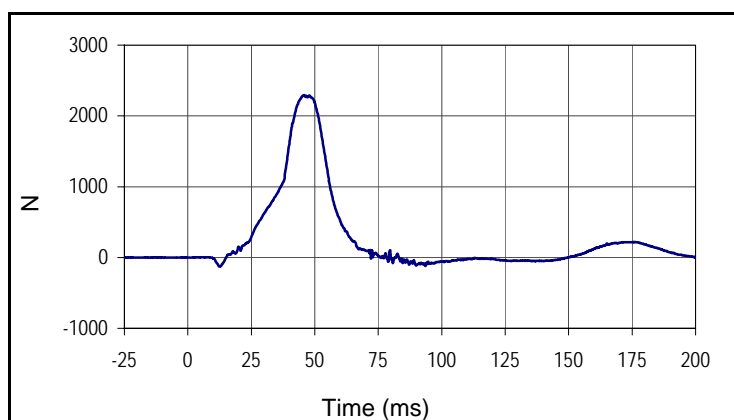
Curve Description			
Driver Lower Spine T12 Acceleration Resultant			
Plot No.		SAE Class	Units
008		180	g
Max	Time	Min	Time
39.4	52.1	0.1	0.0

Test Vehicle: 2018 Jeep Compass Sport 5-Door MPV
 Test Program: NCAP Side Pole Impact Test

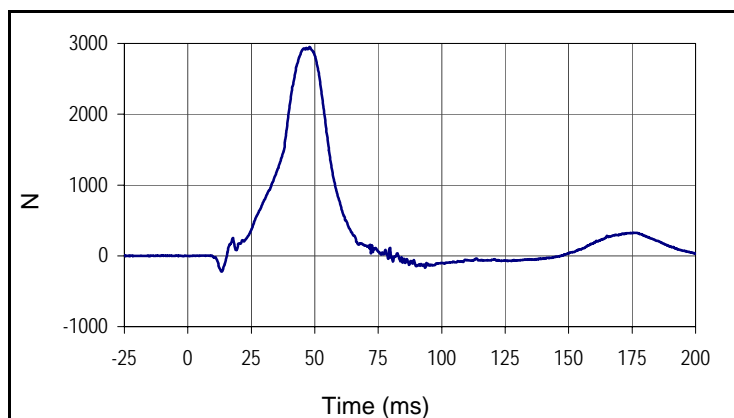
Test Date: 11/6/17
 NHTSA No.: M20180307



Curve Description			
Driver Iliac Wing Force on Impact Side Y			
Plot No.		SAE Class	Units
009		600	N
Max	Time	Min	Time
663.5	48.2	-128.3	13.5



Curve Description			
Driver Acetabulum Force on Impact Side Y			
Plot No.		SAE Class	Units
010		600	N
Max	Time	Min	Time
2293.0	45.8	-127.9	12.4



Curve Description			
Driver Total Pelvic Force on Impact Side Y			
Plot No.		SAE Class	Units
011		600	N
Max	Time	Min	Time
2948.7	48.0	-224.7	13.3

APPENDIX C
ATD CONFIGURATION AND PERFORMANCE VERIFICATION DATA

APPENDIX C
PRE-TEST ATD CONFIGURATION AND PERFORMANCE VERIFICATION DATA



**SID-IIs Small Side Impact Dummy
 External Measurements**

ATD Serial No.: 299

Test Date: 2017-11-04

Tested Parameter	Units	Spec Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
A - Sitting Height	mm	772	788	781	Pass
B - Shoulder Pivot Height	mm	437	453	450	Pass
C - Hpoint Height	mm	79	89	84	Pass
D - H Point From Seatback	mm	141	151	146	Pass
E - Shoulder Pivot From Backline	mm	97	107	104	Pass
F - Thigh Clearance	mm	119	135	125	Pass
G - Head Breadth	mm	140	148	148	Pass
H - Head Back From Backline	mm	40	46	43	Pass
I - Head Depth	mm	178	188	184	Pass
J - Head Circumference	mm	541	551	545	Pass
K - Buttock To Knee Length	mm	514	540	527	Pass
L - Popliteal Height	mm	343	369	362	Pass
K - Knee Pivot To Floor Height	mm	392	409	400	Pass
N - Buttock Popliteal Length	mm	416	442	436	Pass
O - Chest Depth W/O Jacket	mm	195	211	202	Pass
P - Foot Length	mm	216	232	224	Pass
Q - Hip Breadth (W/Pelvic Plugs)	mm	313	323	319	Pass
R - Arm Length	mm	249	259	256	Pass
S - Knee Joint To Seatback	mm	477	493	485	Pass
V - Shoulder Width	mm	341	357	356	Pass
W - Foot Width	mm	78	94	91	Pass
Y - Chest Circumference W/Jacket	mm	851	881	867	Pass
Z - Waist Circumference	mm	761	791	770	Pass
Overall Test Results					Pass

Technician: 

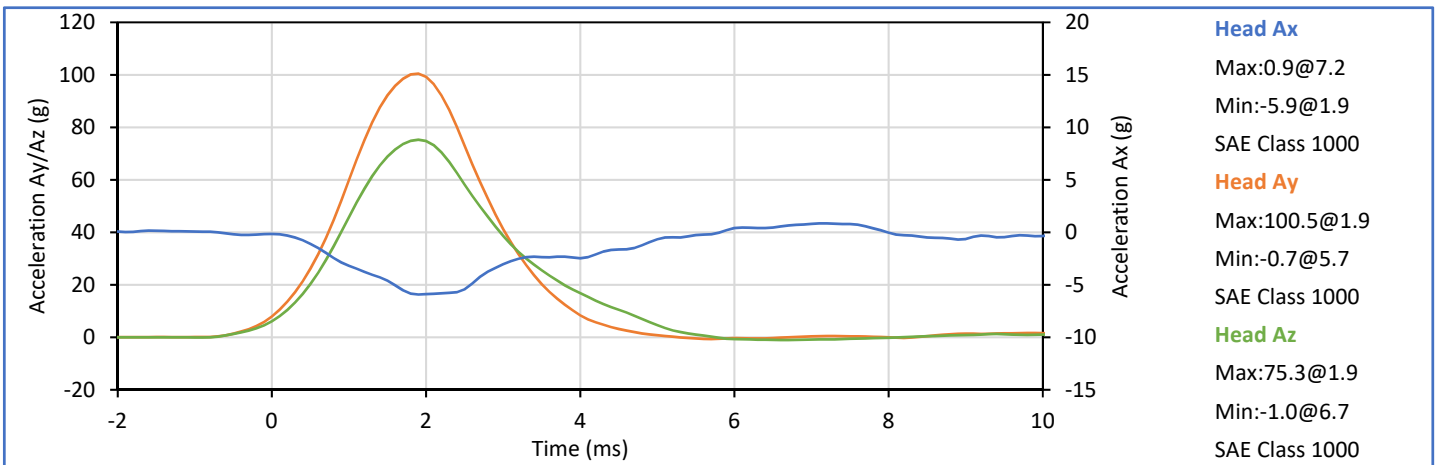
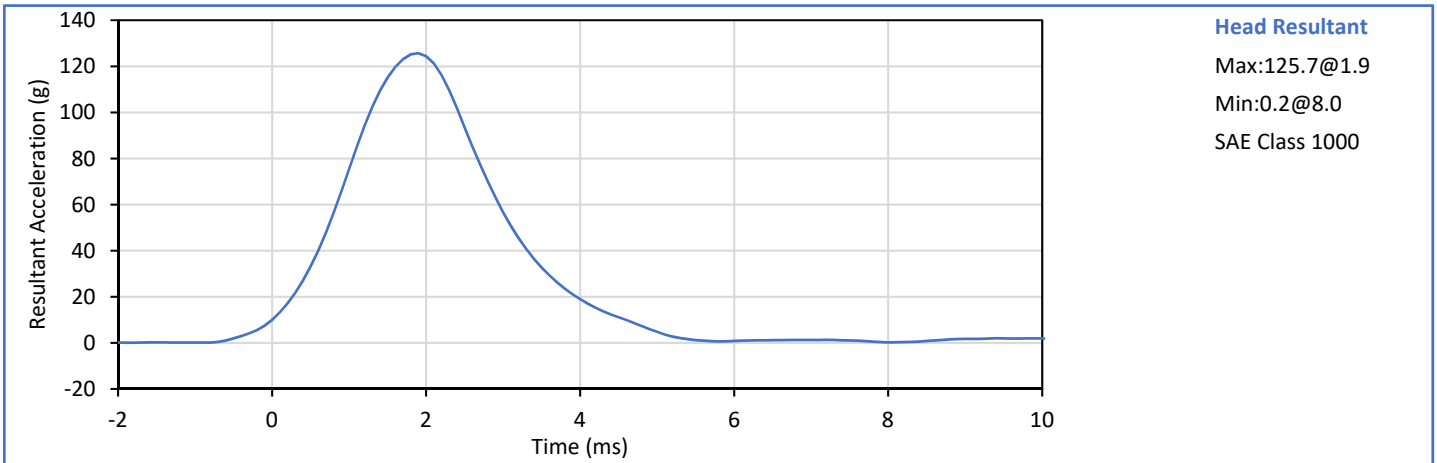
Approved By: 



ATD Serial No.: 299

Test Date: 2017-10-26

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.3	Pass
Laboratory Humidity	%	10	70	34	Pass
Peak Resultant Acceleration	g	115.0	137.0	125.7	Pass
Peak Head Ax	g	-15.0	15.0	-5.9	Pass
Oscillations After Main Pulse	%	0.0	15.0	1.6	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
Overall Test Results					Pass



Technician: *Smith*

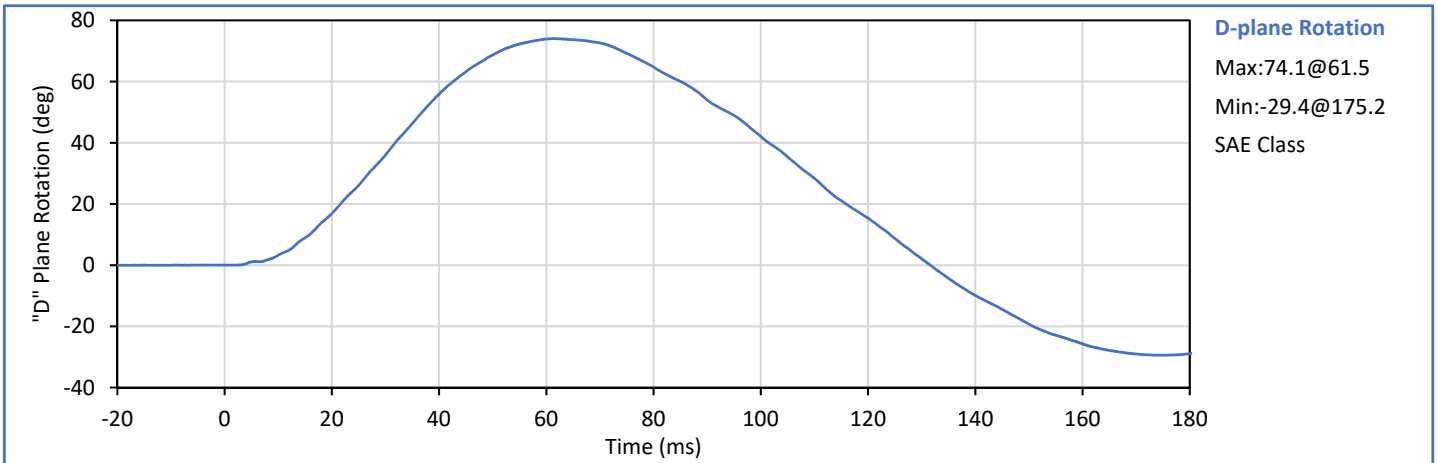
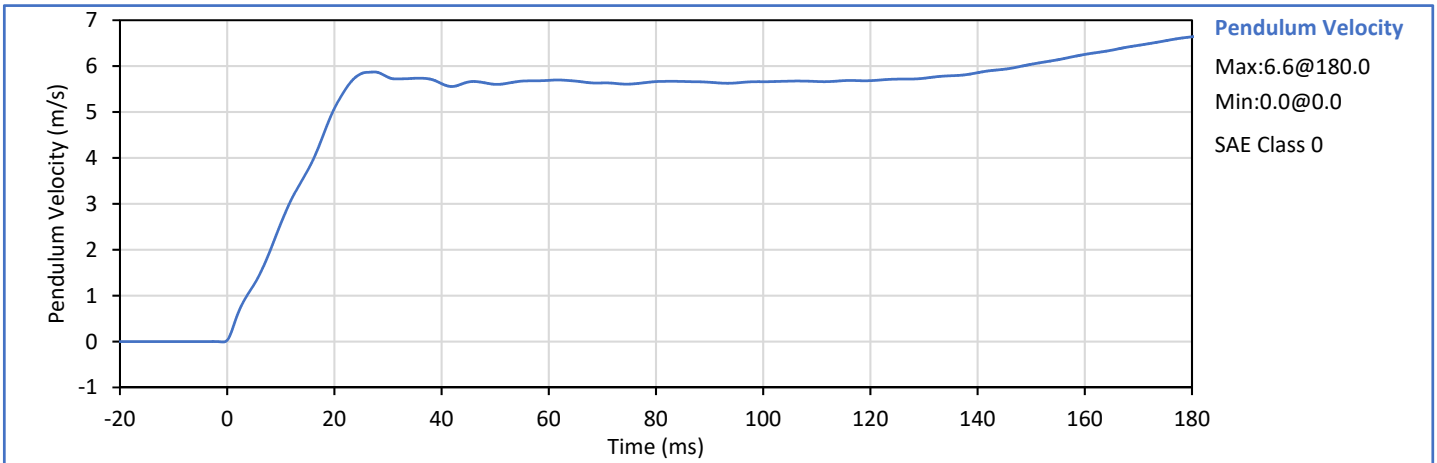
Approved By: *Wep*



ATD Serial No.: 299

Test Date: 2017-11-03

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.9	Pass
Laboratory Humidity	%	10	70	31	Pass
Pendulum Velocity	m/s	5.51	5.63	5.59	Pass
Pendulum Decel at 10 ms	m/s	2.20	2.80	2.57	Pass
Pendulum Decel at 15 ms	m/s	3.30	4.10	3.72	Pass
Pendulum Decel at 20 ms	m/s	4.40	5.40	5.08	Pass
Pendulum Decel at 25 ms	m/s	5.40	6.10	5.84	Pass
Pendulum Decel from 25-100 ms	m/s	5.50	6.20	5.87	Pass
Peak "D" Plane Rotation	deg	71.0	81.0	74.1	Pass
Time of Peak "D" Plane Rotation	ms	50.0	70.0	61.5	Pass
Peak Occ. Condyle Moment	Nm	-44.0	-36.0	-40.9	Pass
Time of Moment Decay to 0 Nm	ms	102.0	126.0	114.5	Pass
Overall Test Results					Pass



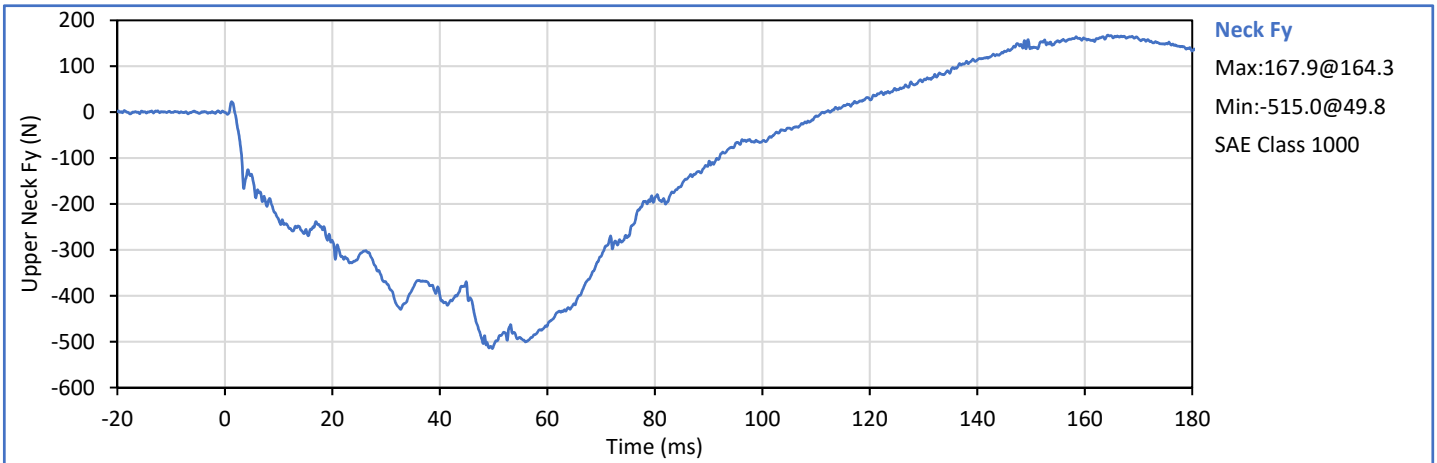
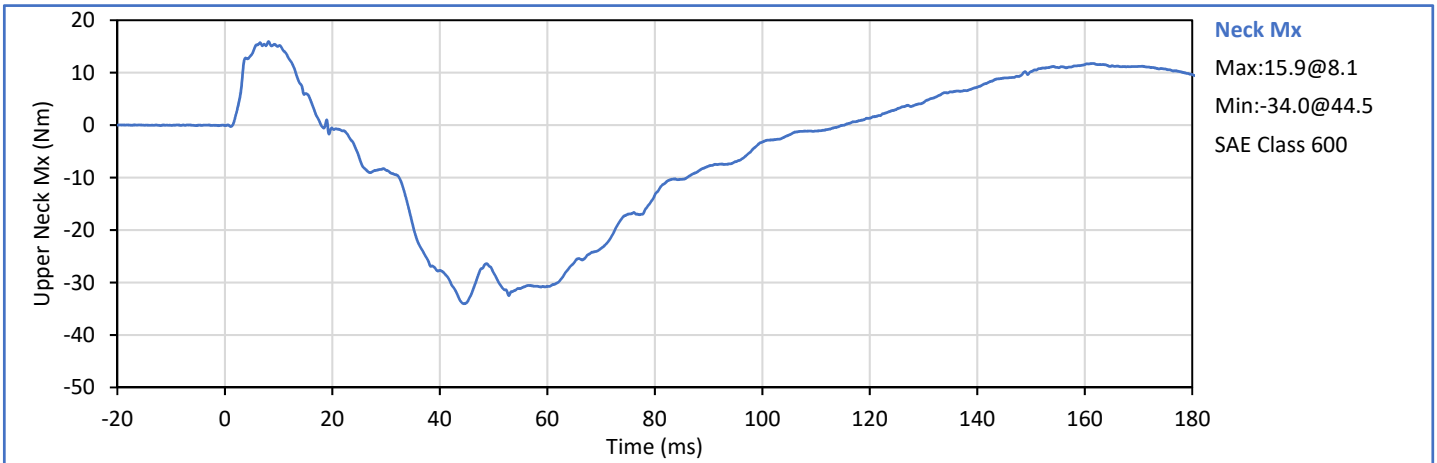
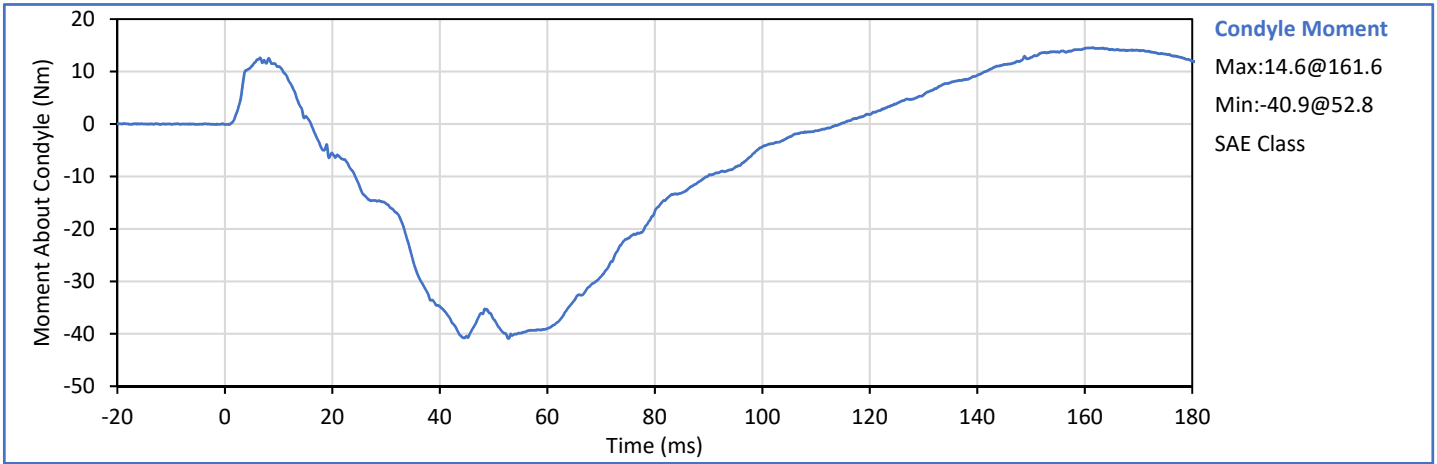
Technician: *Scotty*

Approved By: *Wep*



ATD Serial No.: 299

Test Date: 2017-11-03

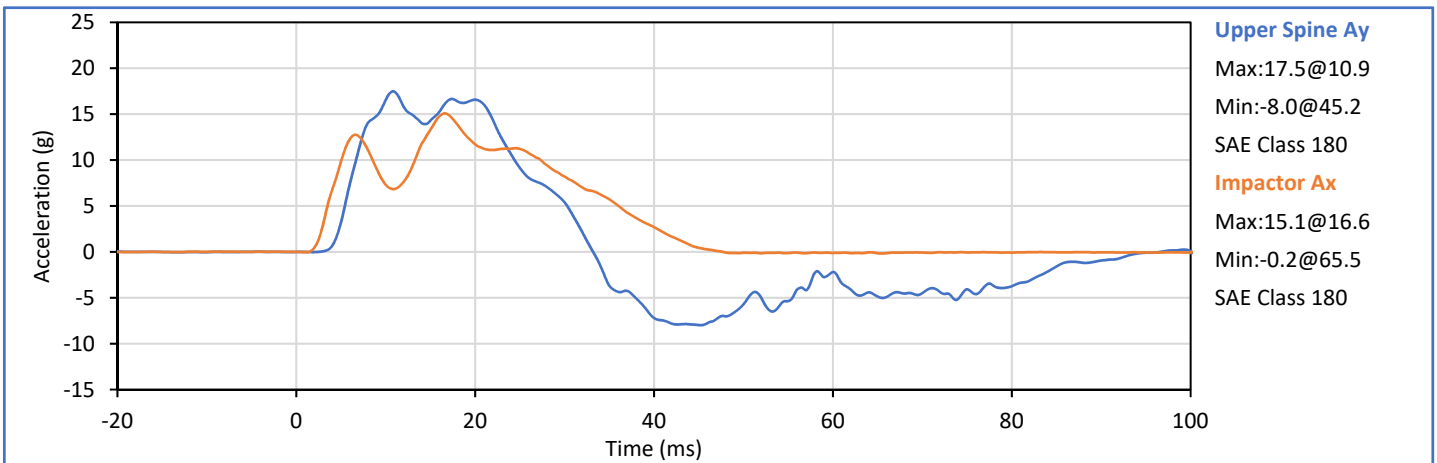
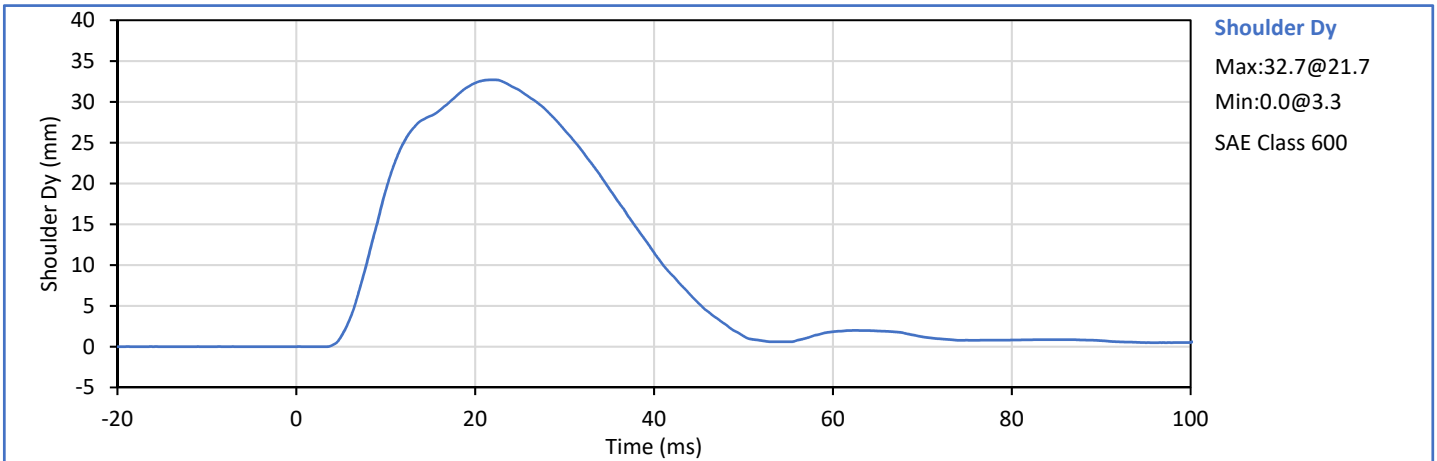




ATD Serial No.: 299

Test Date: 2017-11-04

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.8	Pass
Laboratory Humidity	%	10	70	34	Pass
Impactor Velocity	m/s	4.20	4.40	4.27	Pass
Peak Shoulder Dy	mm	28.0	37.0	32.7	Pass
Peak Upper Spine (T1) Ay	g	17.0	22.0	17.5	Pass
Peak Impactor Ax	g	13.0	18.0	15.1	Pass
Overall Test Results					Pass



Technician: *Scott J*

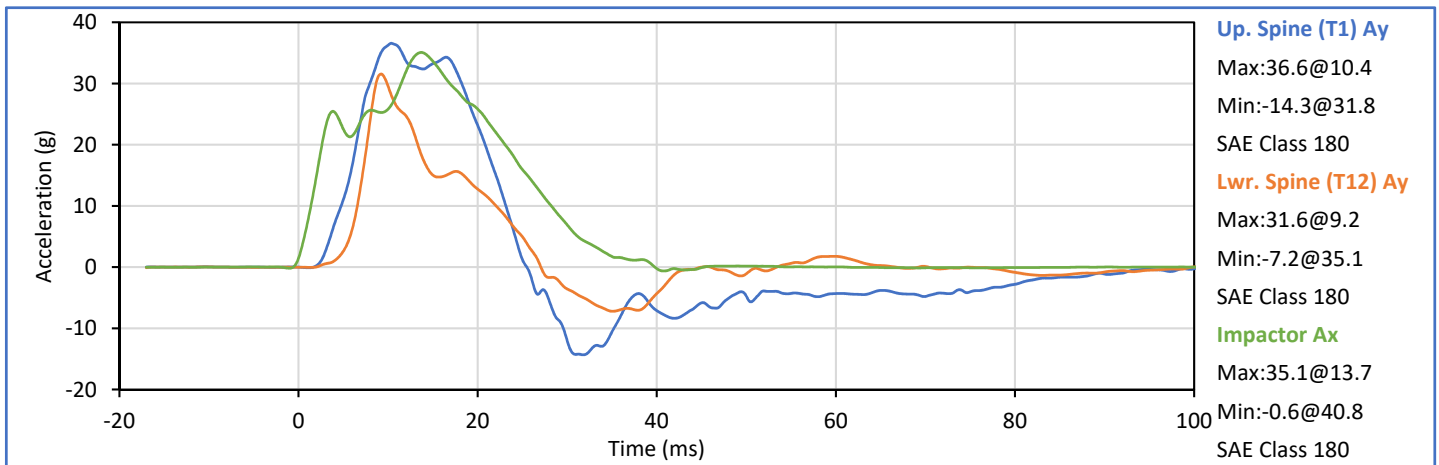
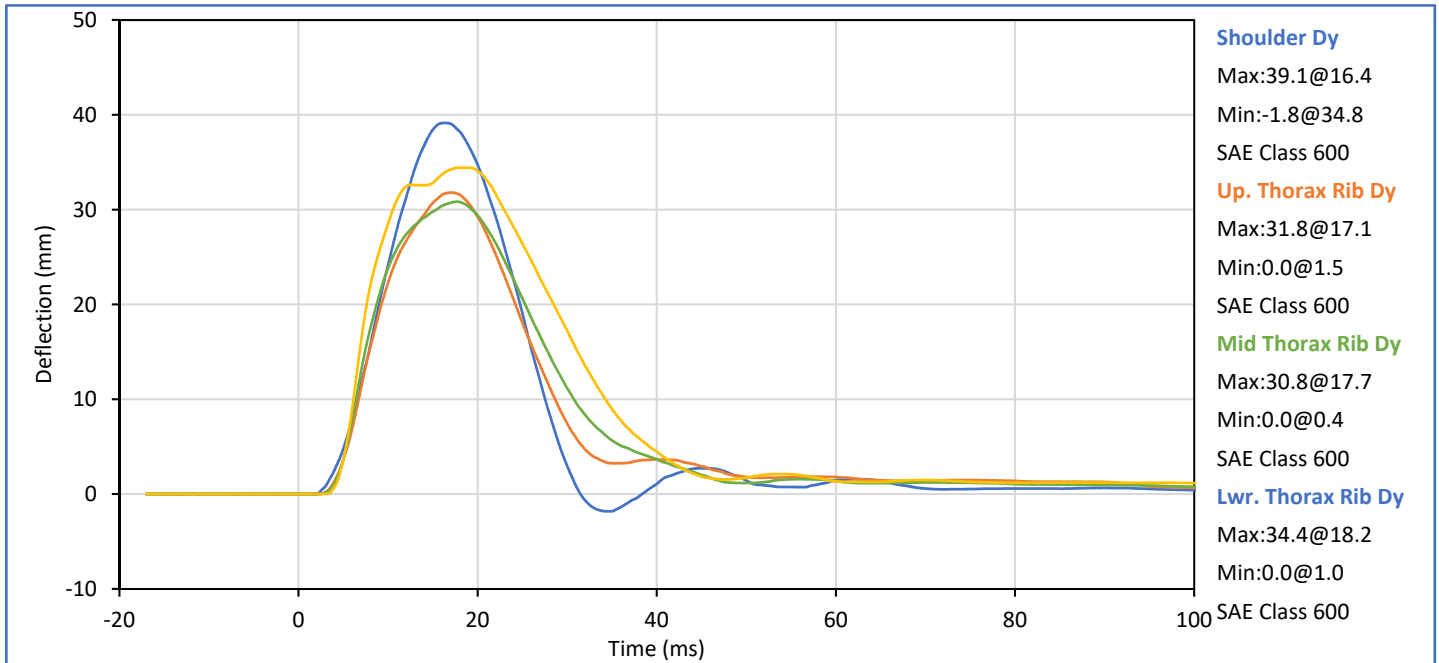
Approved By: *Wep*



ATD Serial No.: 299

Test Date: 2017-10-30

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.8	Pass
Laboratory Humidity	%	10	70	34	Pass
Impactor Velocity	m/s	6.60	6.80	6.68	Pass
Peak Shoulder Dy	mm	31.0	40.0	39.1	Pass
Peak Upper Rib Dy	mm	25.0	32.0	31.8	Pass
Peak Middle Rib Dy	mm	30.0	36.0	30.8	Pass
Peak Lower Rib Dy	mm	32.0	38.0	34.4	Pass
Peak Upper Spine (T1) Ay	g	34.0	43.0	36.6	Pass
Peak Lower Spine (T12) Ay	g	29.0	37.0	31.6	Pass
Peak Impactor Ax	g	30.0	36.0	35.1	Pass
Overall Test Results					Pass



Technician: *Scotty*

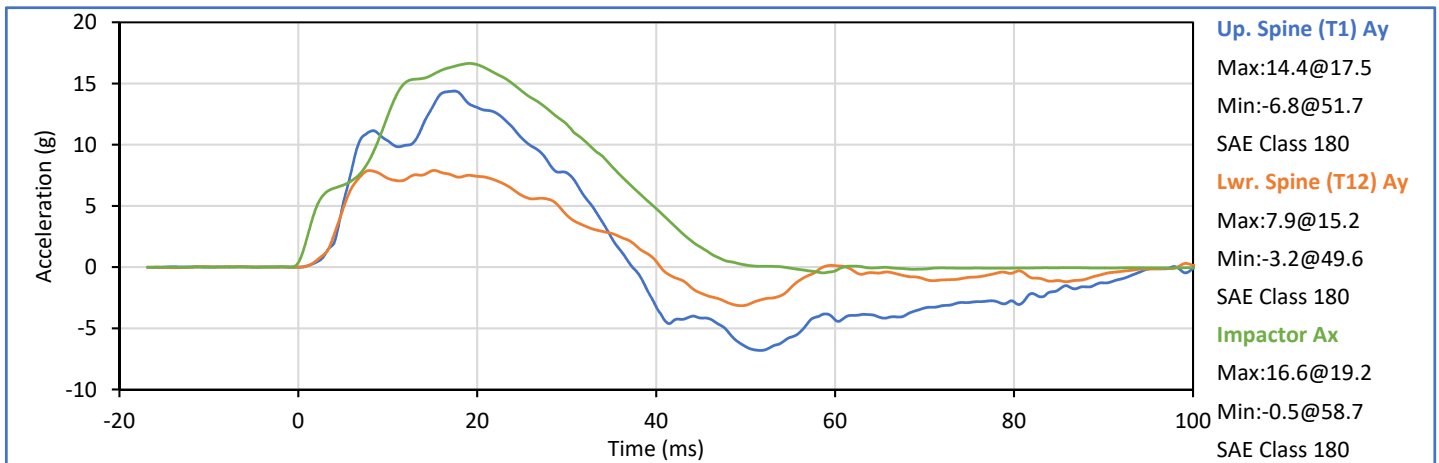
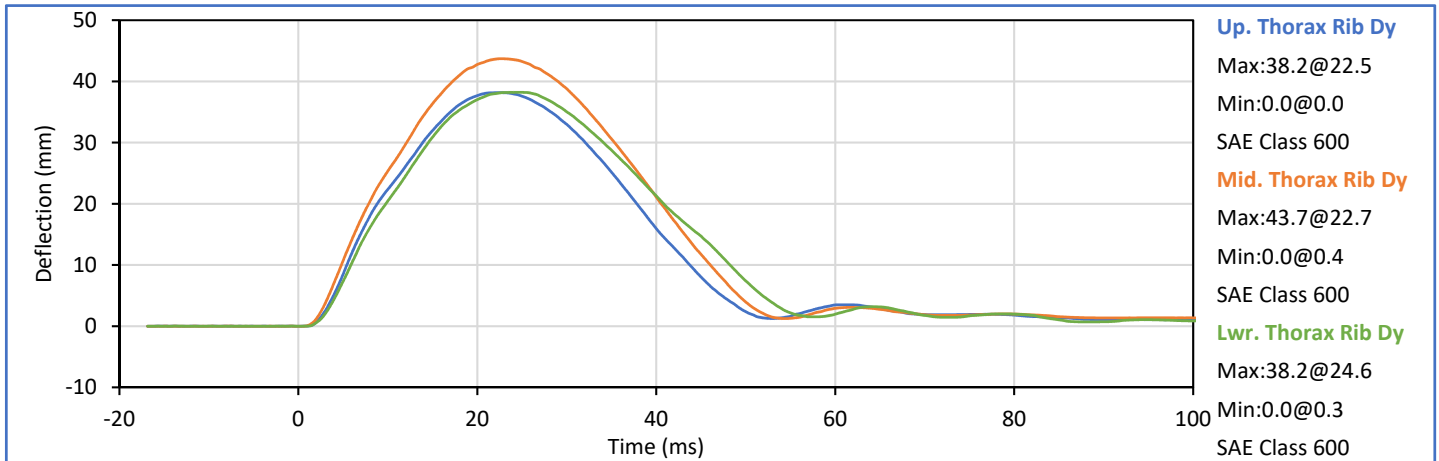
Approved By: *Wep*



ATD Serial No.: 299

Test Date: 2017-10-30

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.8	Pass
Laboratory Humidity	%	10	70	34	Pass
Impactor Velocity	m/s	4.20	4.40	4.37	Pass
Peak Upper Rib Dy	mm	32.0	40.0	38.2	Pass
Peak Middle Rib Dy	mm	39.0	45.0	43.7	Pass
Peak Lower Rib Dy	mm	35.0	43.0	38.2	Pass
Peak Upper Spine (T1) Ay	g	13.0	17.0	14.4	Pass
Peak Lower Spine (T12) Ay	g	7.0	11.0	7.9	Pass
Peak Impactor Ax	g	14.0	18.0	16.6	Pass
Overall Test Results					Pass



Technician: *Scotty*

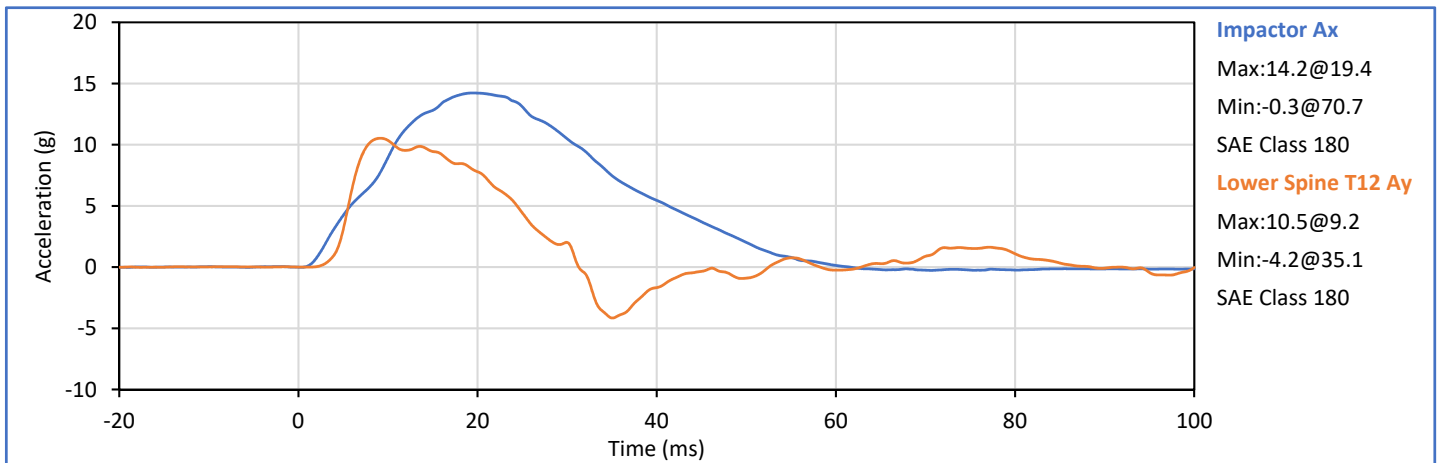
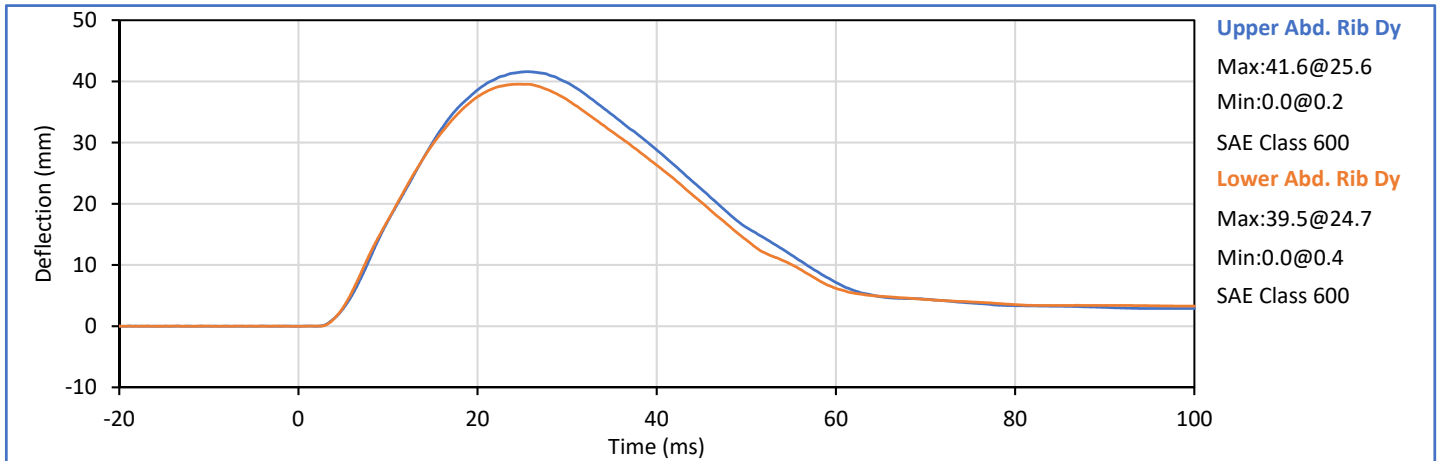
Approved By: *Wep*



ATD Serial No.: 299

Test Date: 2017-11-02

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.0	Pass
Laboratory Humidity	%	10	70	20	Pass
Impactor Velocity	m/s	4.20	4.40	4.28	Pass
Peak Upper Abdomen Rib Dy	mm	36.0	47.0	41.6	Pass
Peak Lower Abdomen Rib Dy	mm	33.0	44.0	39.5	Pass
Peak Lower Spine T12 Ay	mm	9.0	14.0	10.5	Pass
Peak Impactor Ax	g	12.0	16.0	14.2	Pass
Overall Test Results					Pass



Technician: *Scotty*

Approved By: *Wep*

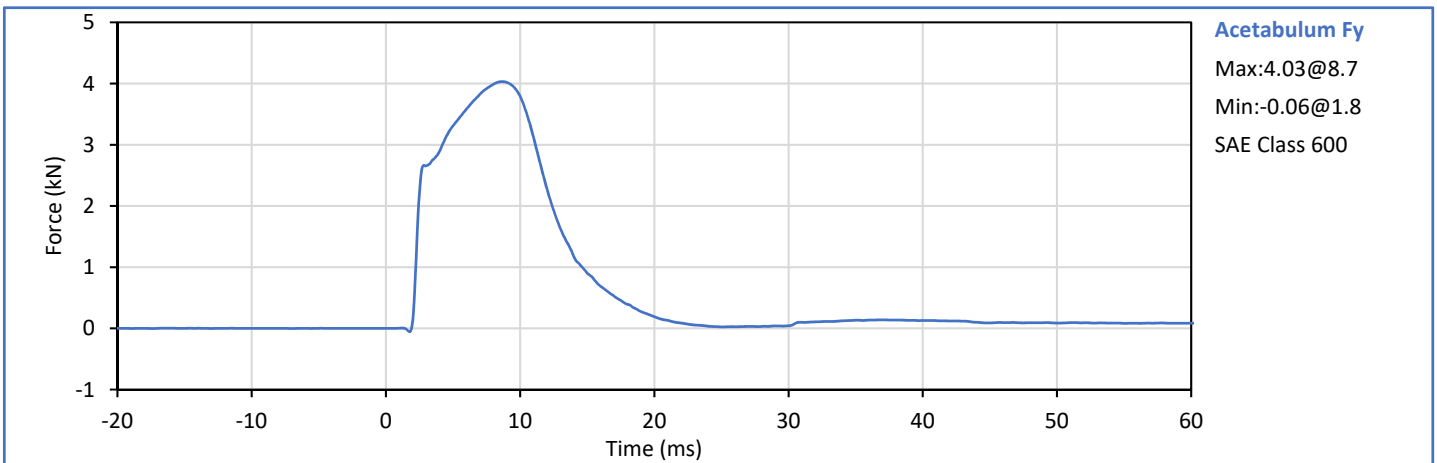
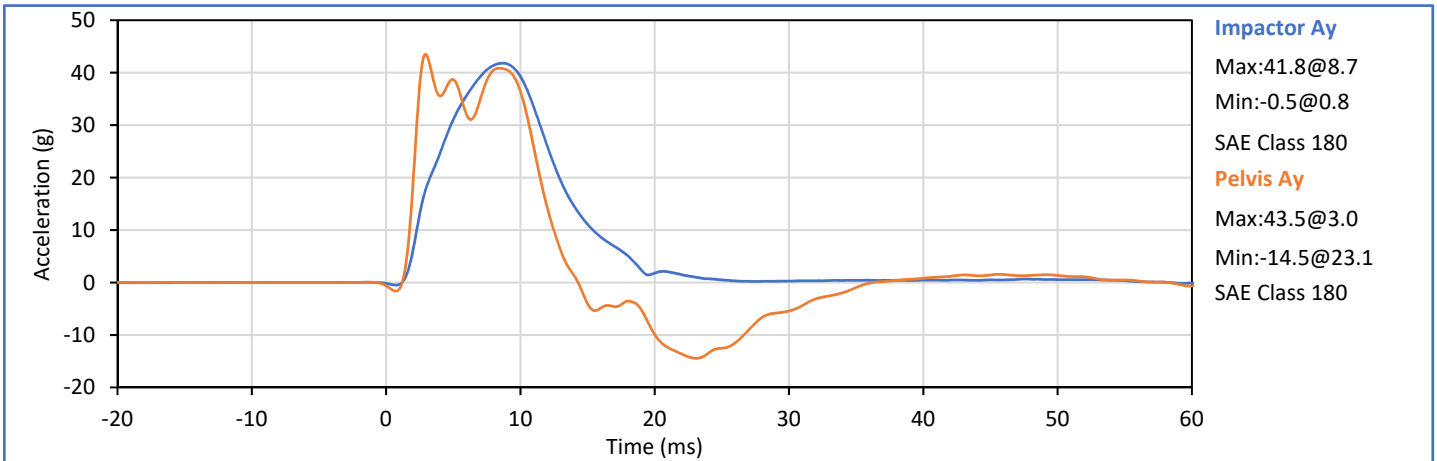


ATD Serial No.: 299

Test Date: 2017-11-03

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.8	Pass
Laboratory Humidity	%	10	70	34	Pass
Impactor Velocity	m/s	6.60	6.80	6.65	Pass
Peak Acetabulum Fy	kN	3.600	4.300	4.032	Pass
Pelvis Ay after 6ms	g	34.0	42.0	40.9	Pass
Peak Impactor Ax	g	38.0	47.0	41.8	Pass
Overall Test Results					Pass

Pelvis Plug S/N: 70783 (HIS)



Technician: *Scotty*

Approved By: *Wep*



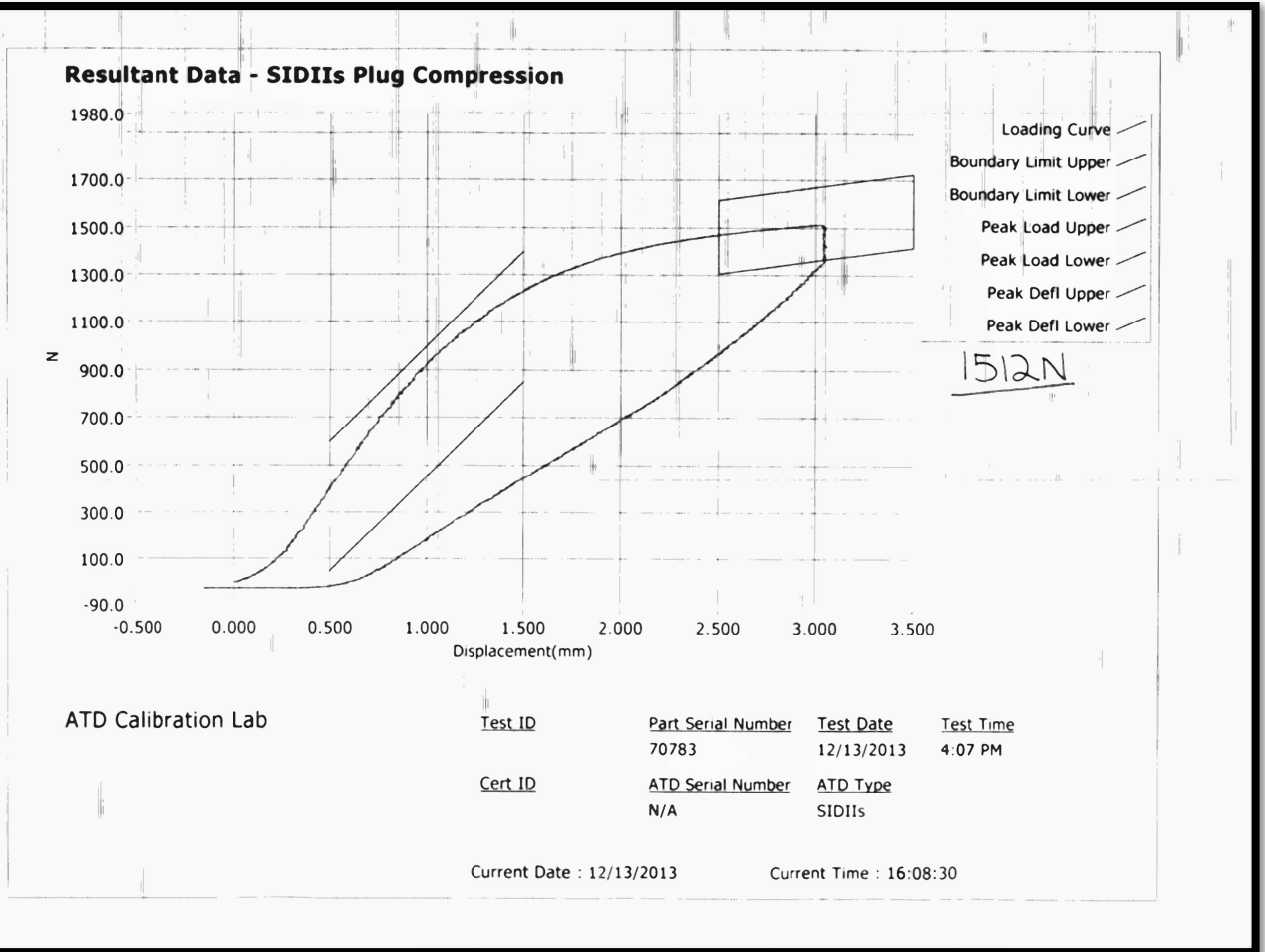
9270 Holly Road, Adelanto, CA 92301
Tel: +1 760 246 1672 Fax: +1 760 246 8112
Info@karco.com www.karco.com

SID-IIs Small Side Impact Dummy Pelvis Acetabulum Impact

ATD Serial No.: 299

Test Date: 2017-11-03

Pelvis Plug S/N: 70783 (HIS)





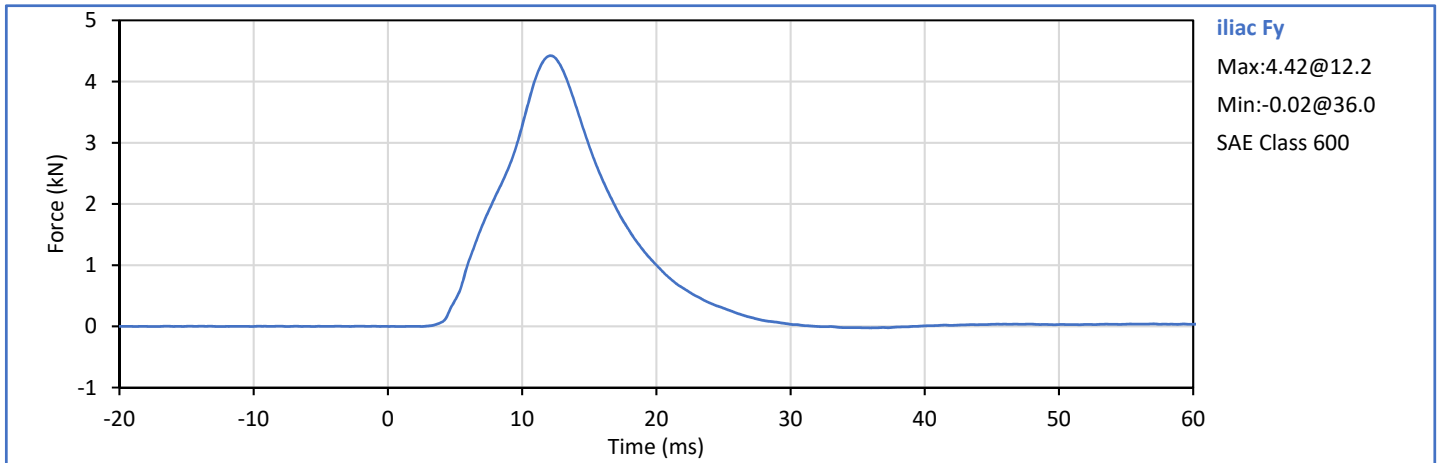
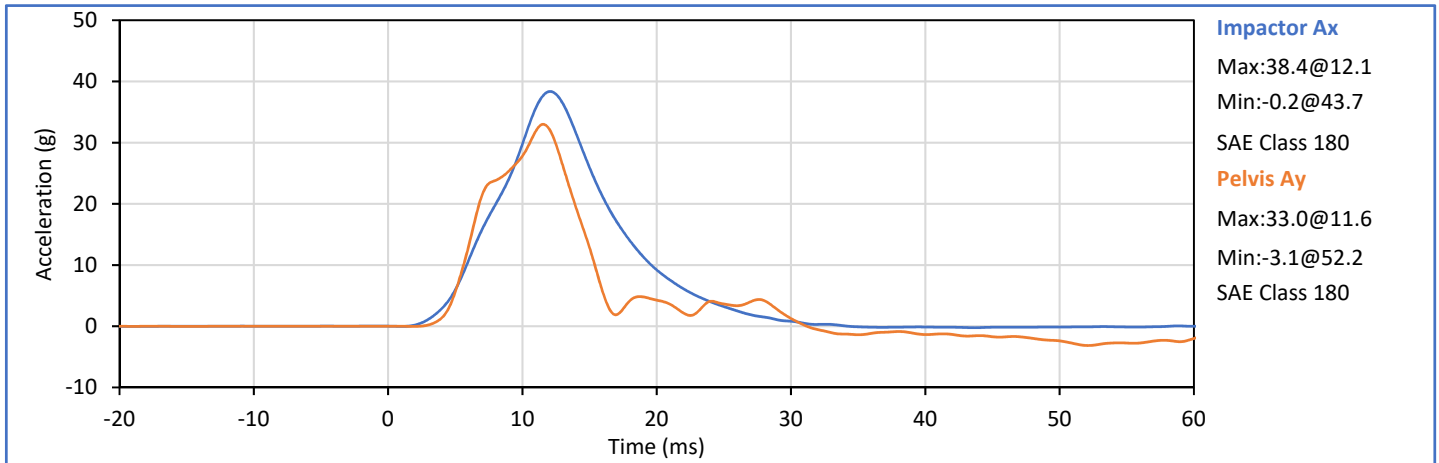
ATD Serial No.: 299

Test Date: 2017-11-03

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.8	Pass
Laboratory Humidity	%	10	70	34	Pass
Impactor Velocity	m/s	4.20	4.40	4.30	Pass
Peak Acetabulum Fy	kN	4.100	5.100	4.423	Pass
Pelvis Ay	g	28.0	39.0	33.0	Pass
Peak Impactor Ax	g	36.0	45.0	38.4	Pass
Overall Test Results					Pass

Pelvis Plug S/N: 71052 (HIS) *

* Plug is not impacted and remains certified



Technician: *Scotty*

Approved By: *Wep*

APPENDIX C
POST-TEST ATD CONFIGURATION AND PERFORMANCE VERIFICATION DATA



**SID-IIs Small Side Impact Dummy
 External Measurements**

ATD Serial No.: 299

Test Date: 2017-11-07

Tested Parameter	Units	Spec Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
A - Sitting Height	mm	772	788	777	Pass
B - Shoulder Pivot Height	mm	437	453	450	Pass
C - Hpoint Height	mm	79	89	85	Pass
D - H Point From Seatback	mm	141	151	147	Pass
E - Shoulder Pivot From Backline	mm	97	107	101	Pass
F - Thigh Clearance	mm	119	135	130	Pass
G - Head Breadth	mm	140	148	148	Pass
H - Head Back From Backline	mm	40	46	42	Pass
I - Head Depth	mm	178	188	186	Pass
J - Head Circumference	mm	541	551	548	Pass
K - Buttock To Knee Length	mm	514	540	532	Pass
L - Popliteal Height	mm	343	369	356	Pass
K - Knee Pivot To Floor Height	mm	392	409	401	Pass
N - Buttock Popliteal Length	mm	416	442	431	Pass
O - Chest Depth W/O Jacket	mm	195	211	203	Pass
P - Foot Length	mm	216	232	225	Pass
Q - Hip Breadth (W/Pelvic Plugs)	mm	313	323	316	Pass
R - Arm Length	mm	249	259	255	Pass
S - Knee Joint To Seatback	mm	477	493	487	Pass
V - Shoulder Width	mm	341	357	356	Pass
W - Foot Width	mm	78	94	86	Pass
Y - Chest Circumference W/Jacket	mm	851	881	866	Pass
Z - Waist Circumference	mm	761	791	773	Pass
Overall Test Results					Pass

Technician:

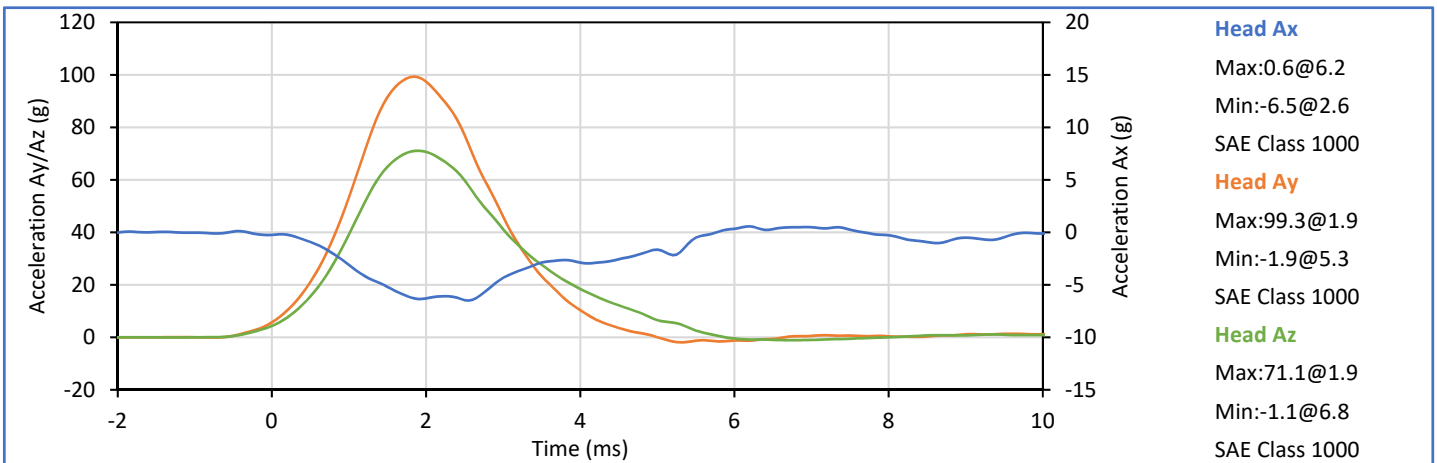
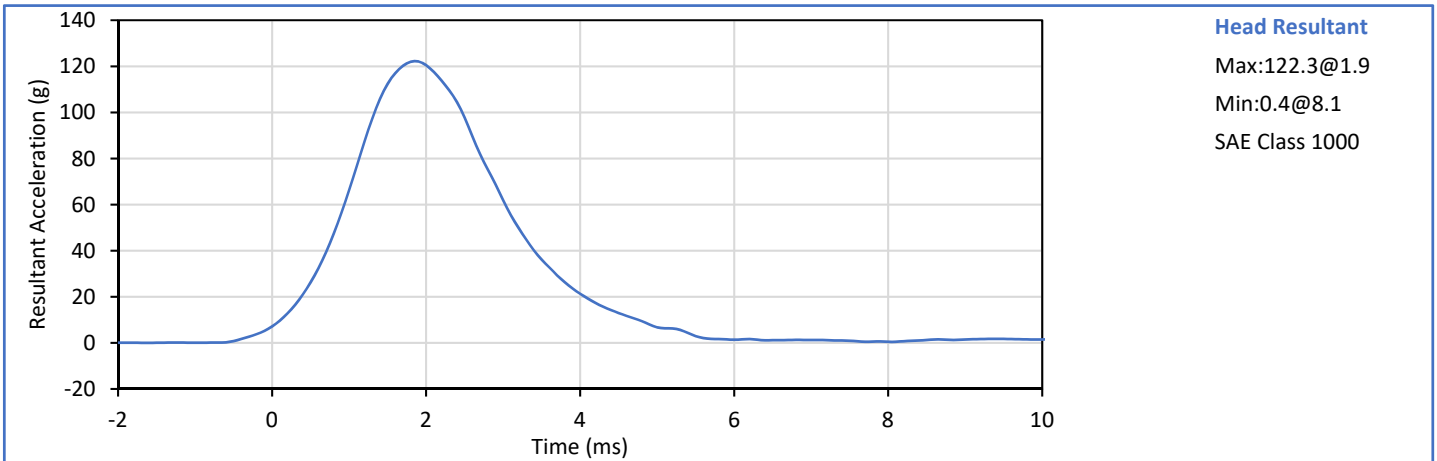
Approved By:



ATD Serial No.: 299

Test Date: 2017-11-06

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.9	Pass
Laboratory Humidity	%	10	70	32	Pass
Peak Resultant Acceleration	g	115.0	137.0	122.3	Pass
Peak Head Ax	g	-15.0	15.0	-6.5	Pass
Oscillations After Main Pulse	%	0.0	15.0	1.4	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
Overall Test Results					Pass



Technician: *Smith*

Approved By: *Wep*

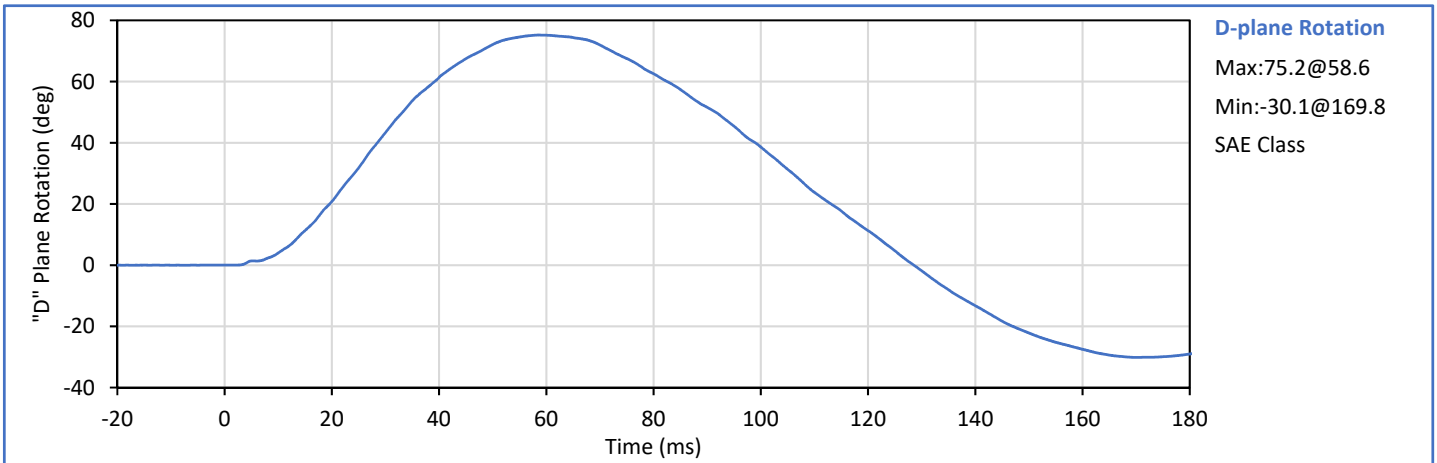
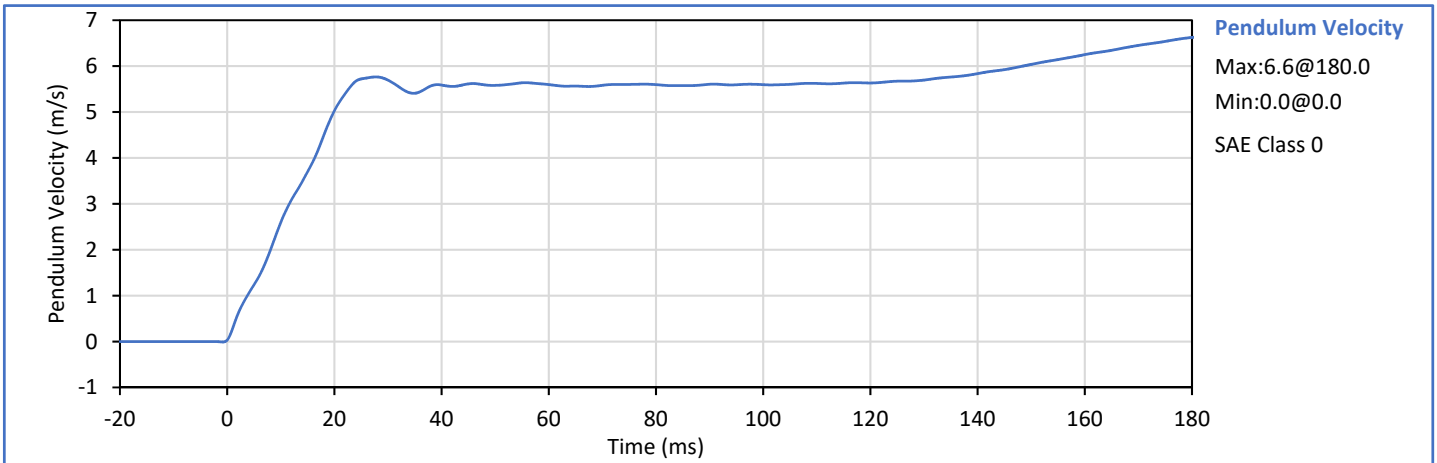


**SID-IIs Small Side Impact Dummy
 Neck Flexion**

ATD Serial No.: 299

Test Date: 2017-11-06

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.8	Pass
Laboratory Humidity	%	10	70	30	Pass
Pendulum Velocity	m/s	5.51	5.63	5.52	Pass
Pendulum Decel at 10 ms	m/s	2.20	2.80	2.59	Pass
Pendulum Decel at 15 ms	m/s	3.30	4.10	3.70	Pass
Pendulum Decel at 20 ms	m/s	4.40	5.40	5.03	Pass
Pendulum Decel at 25 ms	m/s	5.40	6.10	5.72	Pass
Pendulum Decel from 25-100 ms	m/s	5.50	6.20	5.77	Pass
Peak "D" Plane Rotation	deg	71.0	81.0	75.2	Pass
Time of Peak "D" Plane Rotation	ms	50.0	70.0	58.6	Pass
Peak Occ. Condyle Moment	Nm	-44.0	-36.0	-42.7	Pass
Time of Moment Decay to 0 Nm	ms	102.0	126.0	111.1	Pass
Overall Test Results					Pass



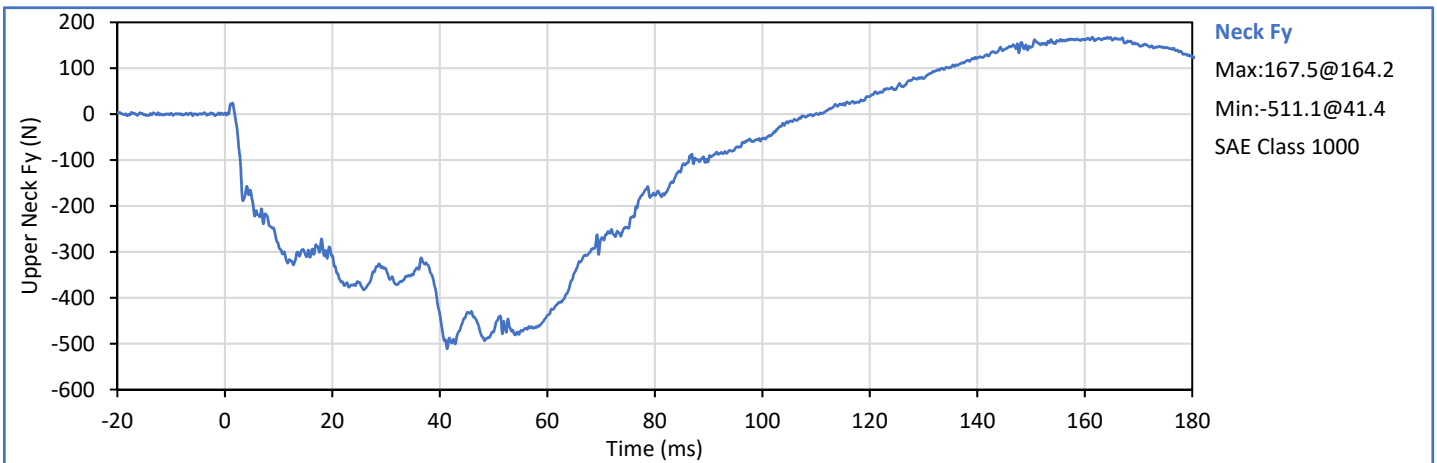
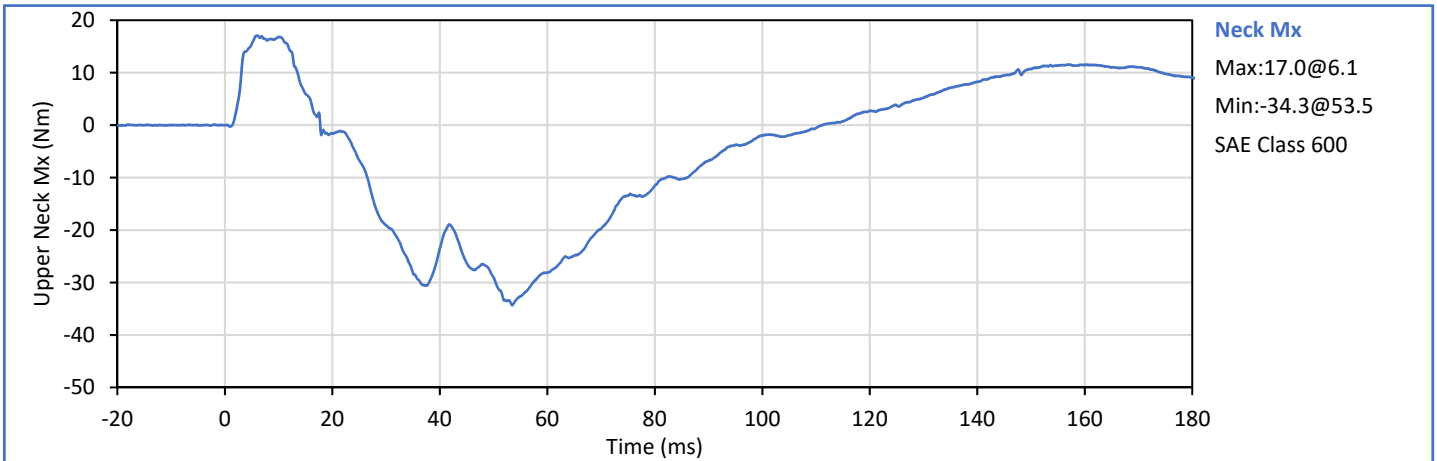
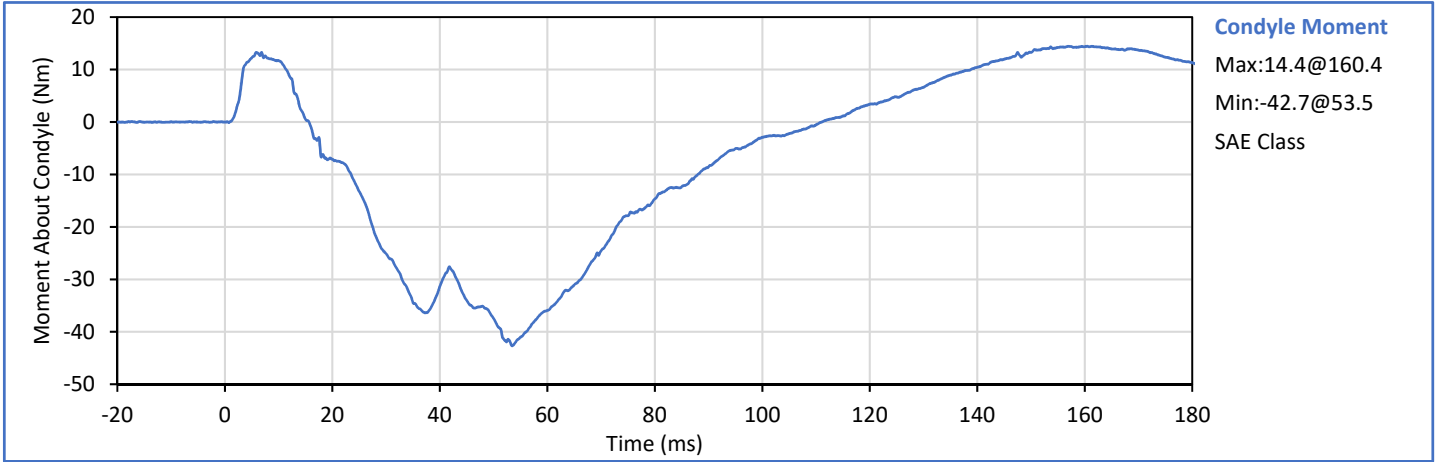
Technician: *Scotty*

Approved By: *Wep*



ATD Serial No.: 299

Test Date: 2017-11-06

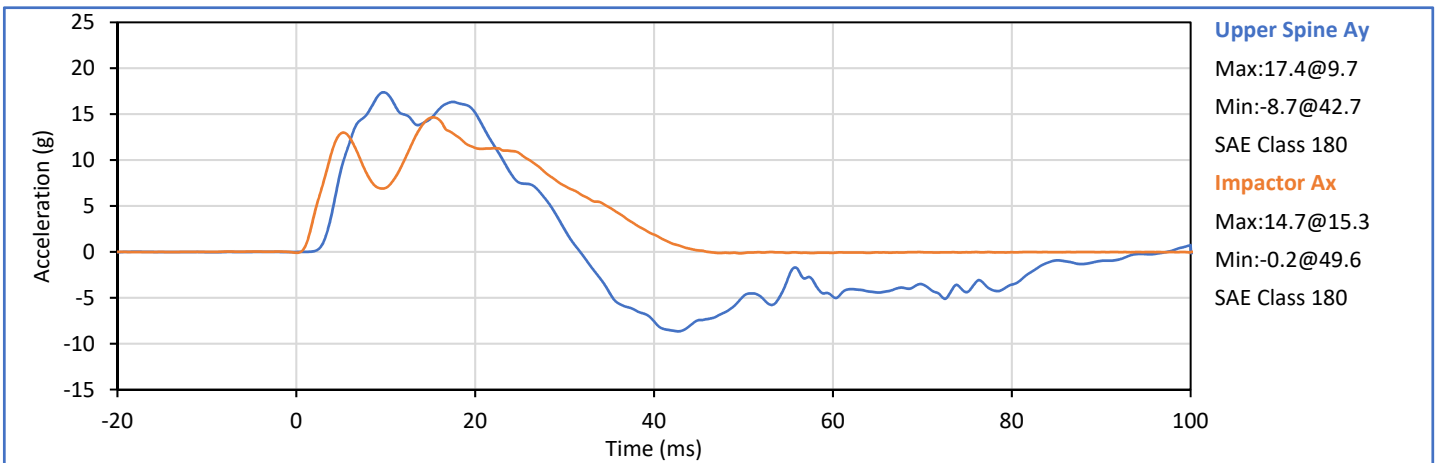
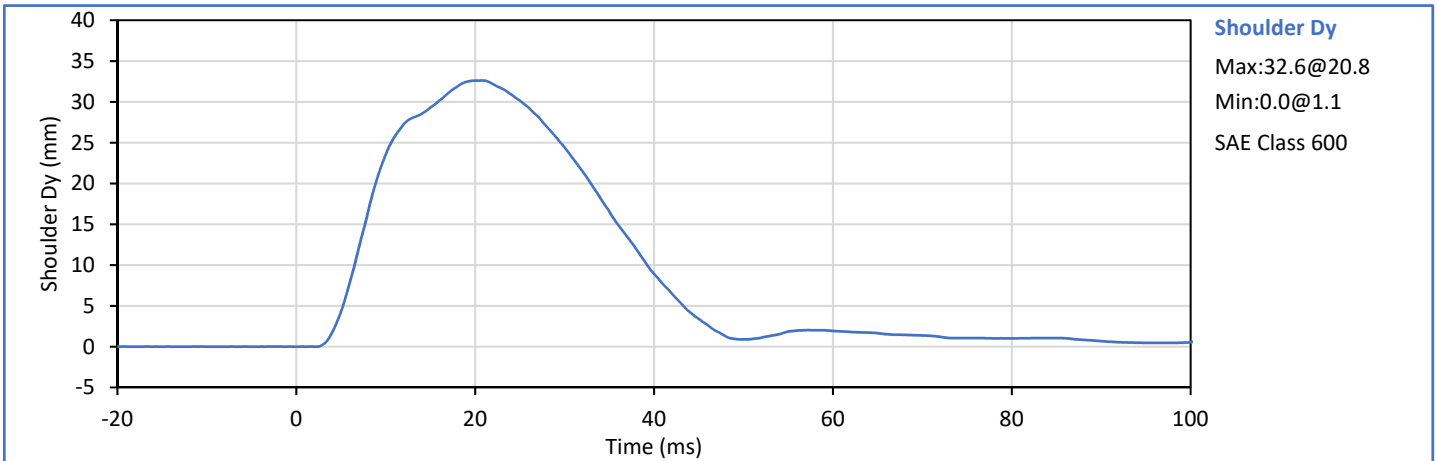




ATD Serial No.: 299

Test Date: 2017-11-06

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	20.8	Pass
Laboratory Humidity	%	10	70	33	Pass
Impactor Velocity	m/s	4.20	4.40	4.34	Pass
Peak Shoulder Dy	mm	28.0	37.0	32.6	Pass
Peak Upper Spine (T1) Ay	g	17.0	22.0	17.4	Pass
Peak Impactor Ax	g	13.0	18.0	14.7	Pass
Overall Test Results					Pass



Technician: *Scotty*

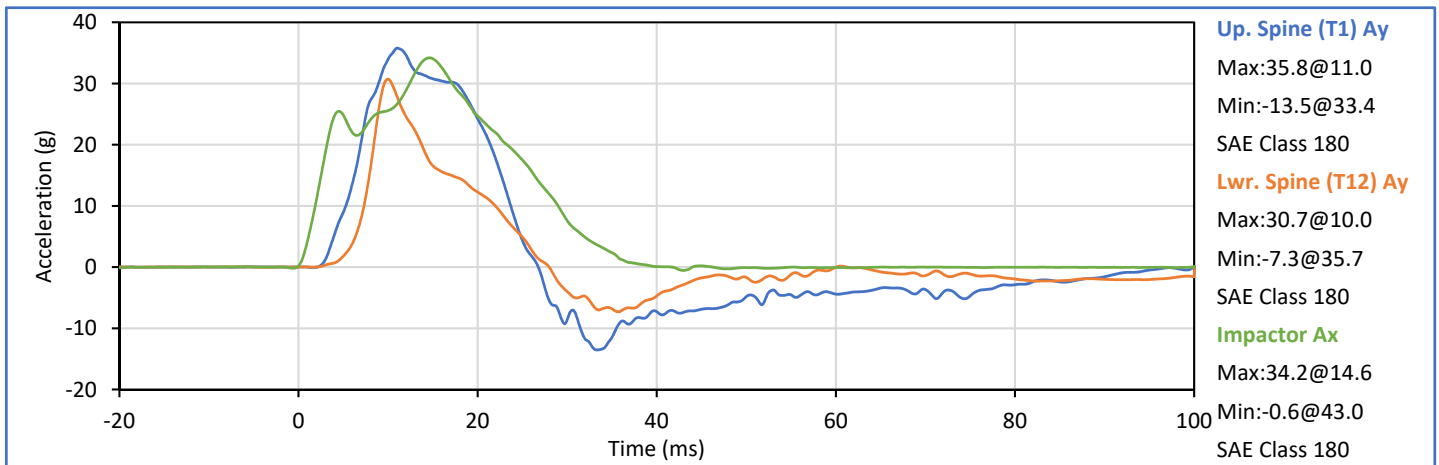
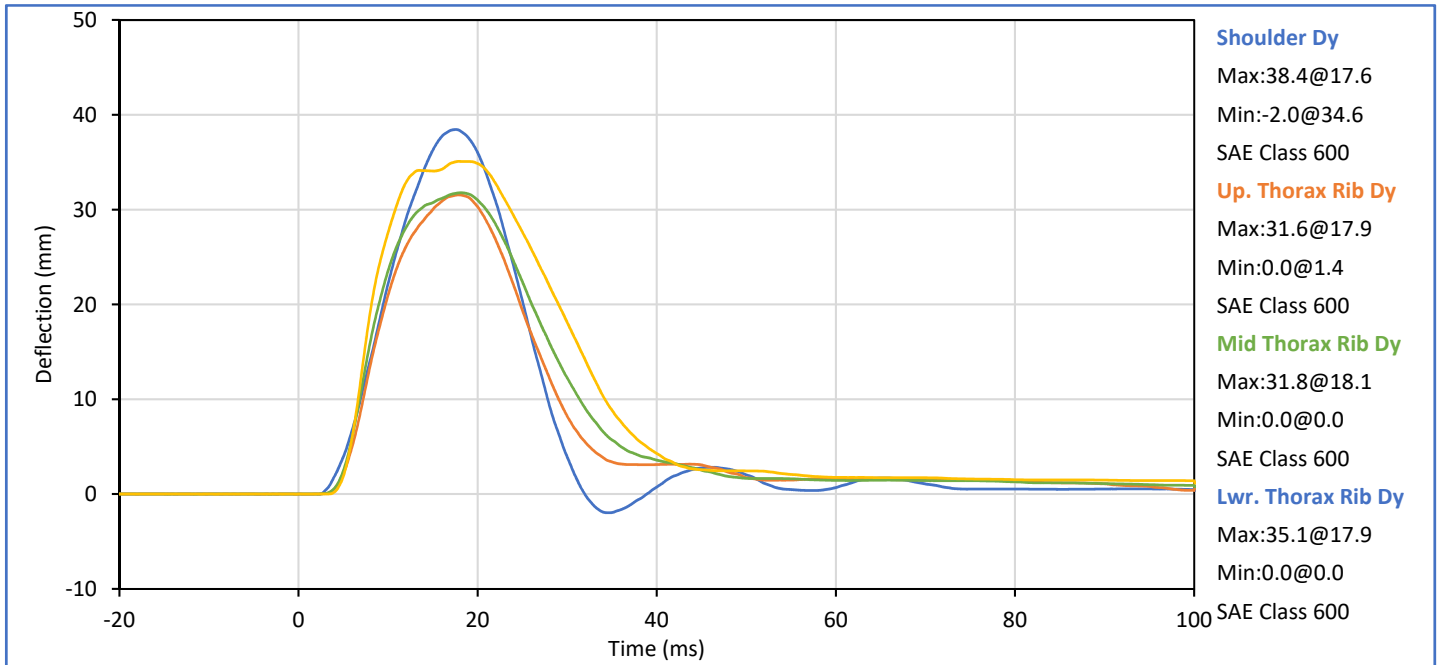
Approved By: *Wep*



ATD Serial No.: 299

Test Date: 2017-11-06

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Humidity	%	10	70	30	Pass
Impactor Velocity	m/s	6.60	6.80	6.72	Pass
Peak Shoulder Dy	mm	31.0	40.0	38.4	Pass
Peak Upper Rib Dy	mm	25.0	32.0	31.6	Pass
Peak Middle Rib Dy	mm	30.0	36.0	31.8	Pass
Peak Lower Rib Dy	mm	32.0	38.0	35.1	Pass
Peak Upper Spine (T1) Ay	g	34.0	43.0	35.8	Pass
Peak Lower Spine (T12) Ay	g	29.0	37.0	30.7	Pass
Peak Impactor Ax	g	30.0	36.0	34.2	Pass
Overall Test Results					Pass



Technician: *Scotty*

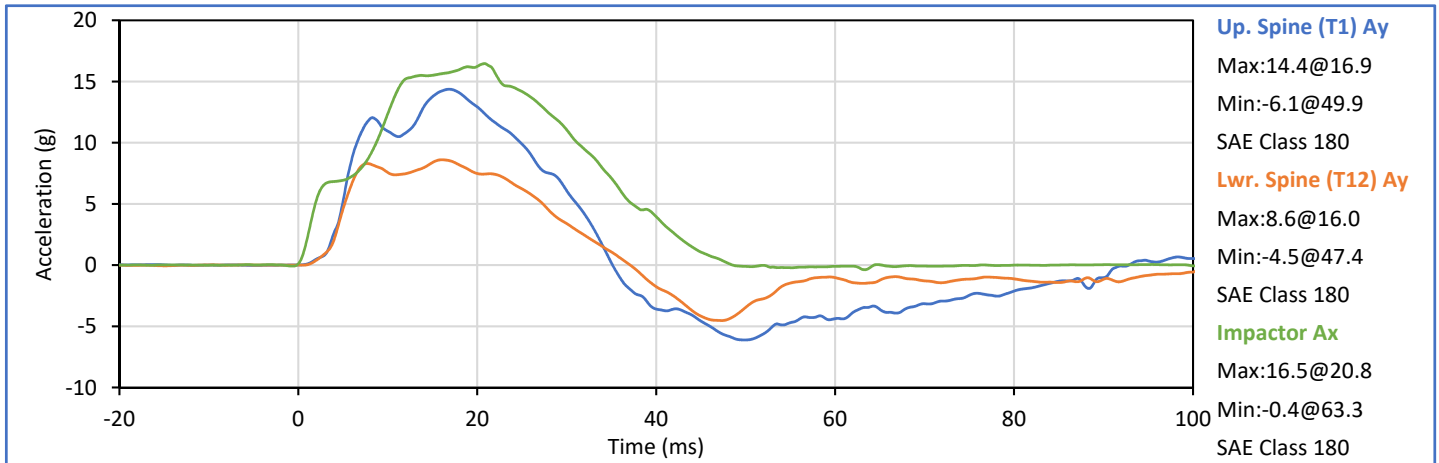
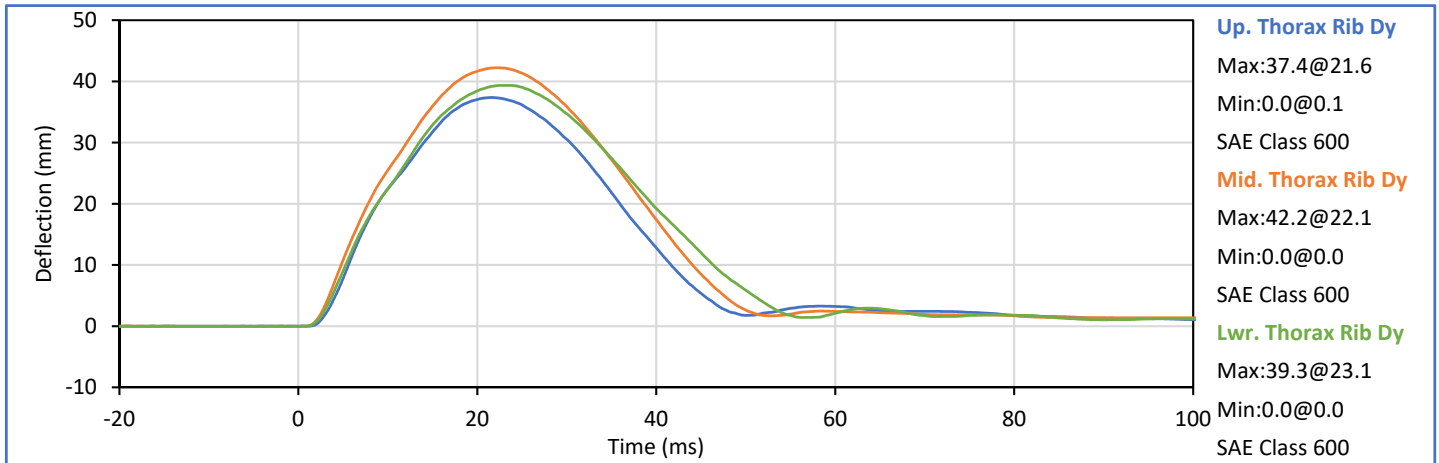
Approved By: *Wep*



ATD Serial No.: 299

Test Date: 2017-11-06

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.8	Pass
Laboratory Humidity	%	10	70	31	Pass
Impactor Velocity	m/s	4.20	4.40	4.35	Pass
Peak Upper Rib Dy	mm	32.0	40.0	37.4	Pass
Peak Middle Rib Dy	mm	39.0	45.0	42.2	Pass
Peak Lower Rib Dy	mm	35.0	43.0	39.3	Pass
Peak Upper Spine (T1) Ay	g	13.0	17.0	14.4	Pass
Peak Lower Spine (T12) Ay	g	7.0	11.0	8.6	Pass
Peak Impactor Ax	g	14.0	18.0	16.5	Pass
Overall Test Results					Pass



Technician: *Scotty*

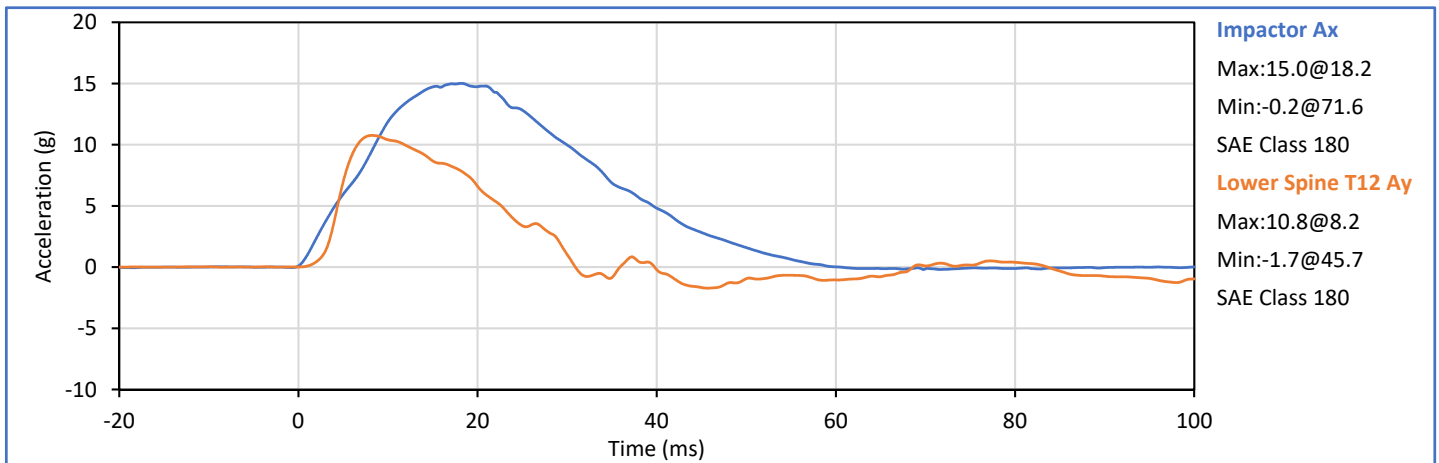
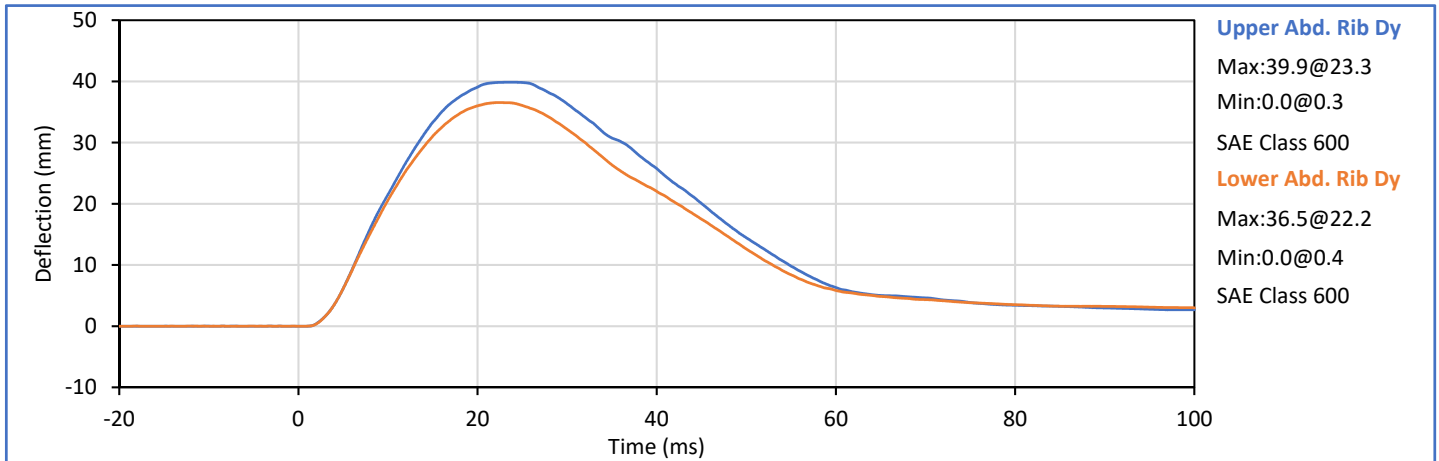
Approved By: *Wep*



ATD Serial No.: 299

Test Date: 2017-11-06

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.6	Pass
Laboratory Humidity	%	10	70	32	Pass
Impactor Velocity	m/s	4.20	4.40	4.35	Pass
Peak Upper Abdomen Rib Dy	mm	36.0	47.0	39.9	Pass
Peak Lower Abdomen Rib Dy	mm	33.0	44.0	36.5	Pass
Peak Lower Spine T12 Ay	mm	9.0	14.0	10.8	Pass
Peak Impactor Ax	g	12.0	16.0	15.0	Pass
Overall Test Results					Pass



Technician: *Scotty*

Approved By: *Wep*

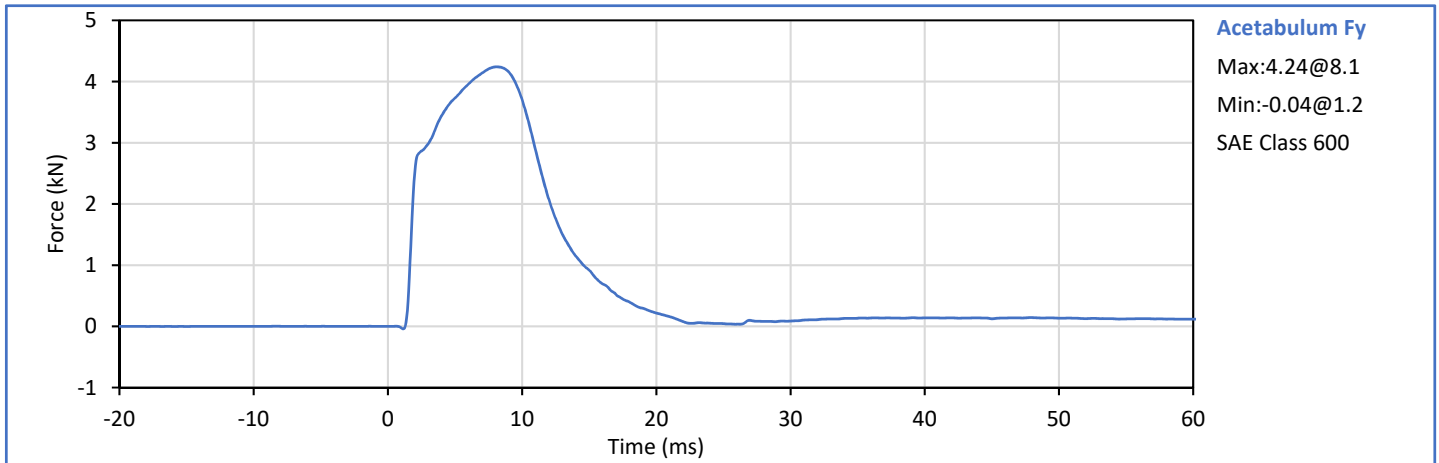
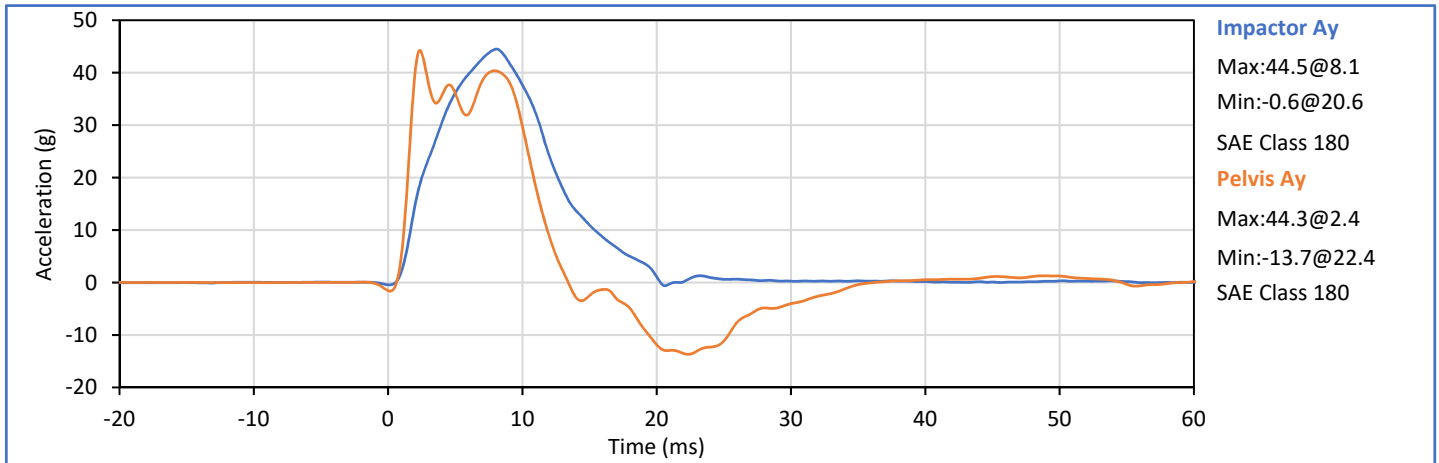


ATD Serial No.: 299

Test Date: 2017-11-06

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.8	Pass
Laboratory Humidity	%	10	70	34	Pass
Impactor Velocity	m/s	6.60	6.80	6.68	Pass
Peak Acetabulum Fy	kN	3.600	4.300	4.241	Pass
Pelvis Ay after 6ms	g	34.0	42.0	40.4	Pass
Peak Impactor Ax	g	38.0	47.0	44.5	Pass
Overall Test Results					Pass

Pelvis Plug S/N: 70806 (HIS)



Technician: *Scotty*

Approved By: *Wep*

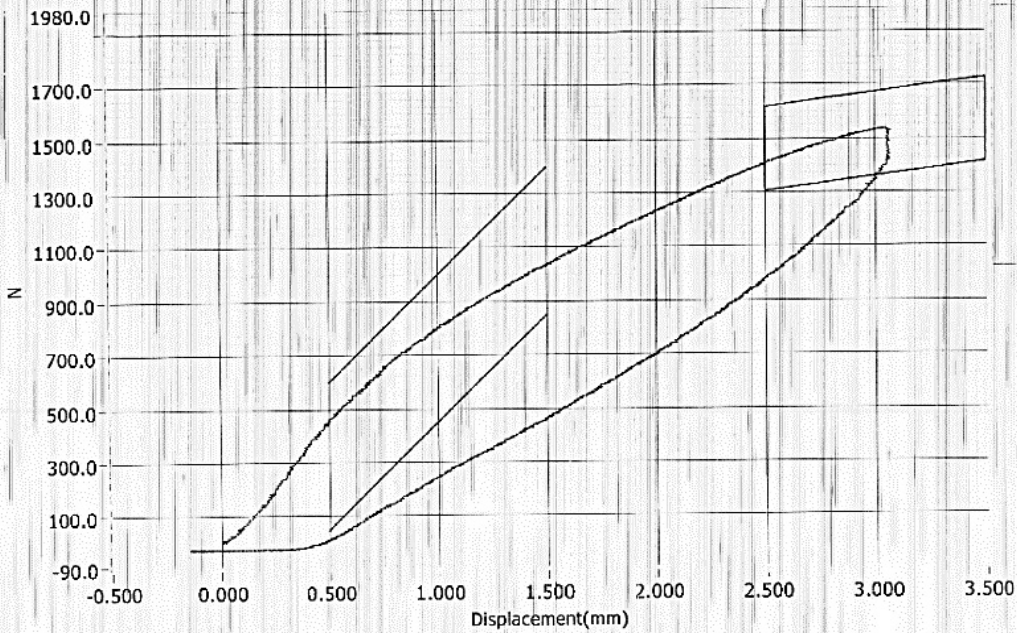


ATD Serial No.: 299

Test Date: 2017-11-06

Pelvis Plug S/N: 70806 (HIS)

Resultant Data - SIDIIs Plug Compression



ATD Calibration Lab

<u>Test ID</u>	<u>Part Serial Number</u>	<u>Test Date</u>	<u>Test Time</u>
	70806	12/13/2013	4:49 PM
<u>Cert ID</u>	<u>ATD Serial Number</u>	<u>ATD Type</u>	
	N/A	SIDIIs	

Current Date : 12/13/2013

Current Time : 16:49:43



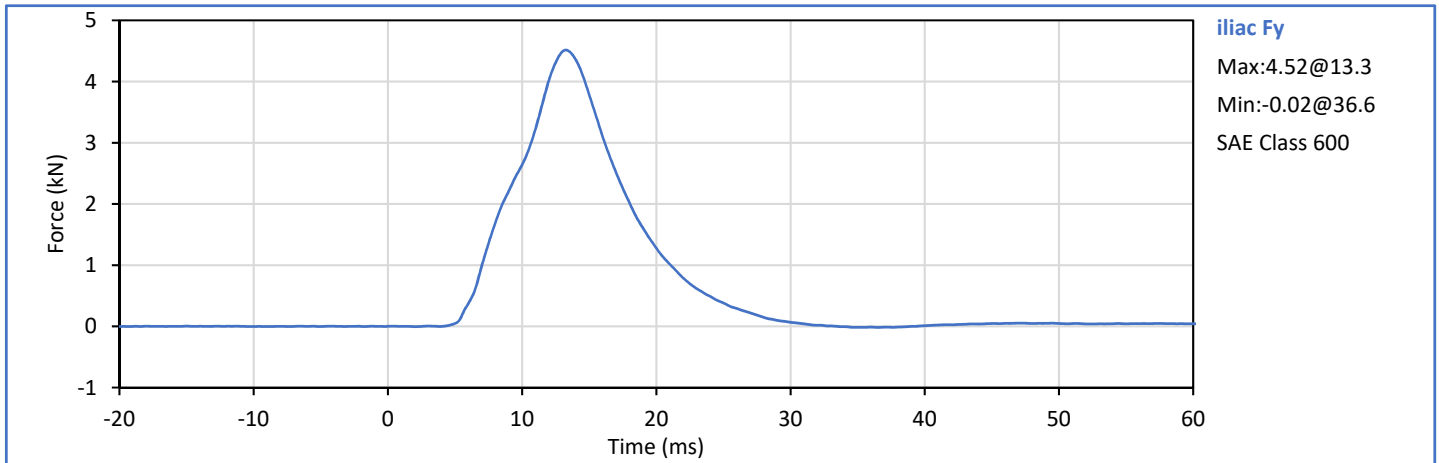
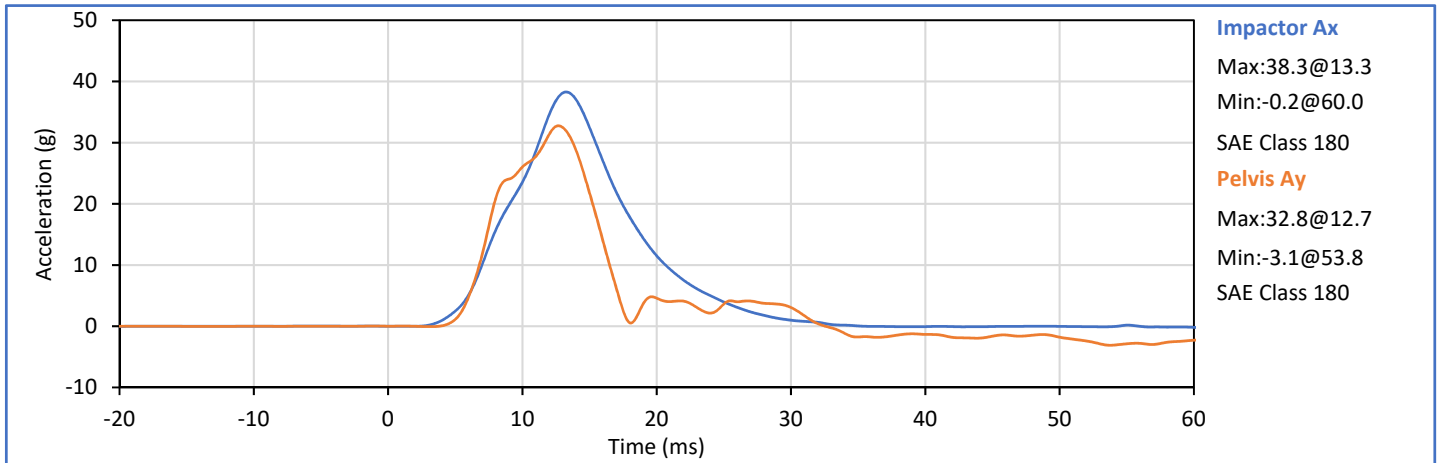
ATD Serial No.: 299

Test Date: 2017-11-07

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.8	Pass
Laboratory Humidity	%	10	70	34	Pass
Impactor Velocity	m/s	4.20	4.40	4.30	Pass
Peak Acetabulum Fy	kN	4.100	5.100	4.515	Pass
Pelvis Ay	g	28.0	39.0	32.8	Pass
Peak Impactor Ax	g	36.0	45.0	38.3	Pass
Overall Test Results					Pass

Pelvis Plug S/N: 71052 (HIS) *

* Plug is not impacted and remains certified



Technician:

Approved By:

APPENDIX D
TEST EQUIPMENT AND INSTRUMENTATION CALIBRATION DATA

Table 1 - Driver ATD Instrumentation

Position: Driver
 ATD Type: SID-IIs
 ATD S/N: 299

Sensor Location	Sensor S/N	Mfr	Last Cal
Head Acceleration X Primary	P51929	Endevco	2017-06-27
Head Acceleration Y Primary	P50086	Endevco	2017-07-25
Head Acceleration Z Primary	P51931	Endevco	2017-07-28
Head Acceleration X Redundant	P68604	Endevco	2017-07-03
Head Acceleration Y Redundant	P51934	Endevco	2017-06-28
Head Acceleration Z Redundant	P58736	Endevco	2017-07-24
Head Rotation Rate X	ARS7571	DTS	2017-06-11
Head Rotation Rate Y	ARS7316	DTS	2017-06-11
Head Rotation Rate Z	ARS7330	DTS	2017-06-11
Upper Thorax Rib Deflection Y	1143	FTSS	2017-02-08
Middle Thorax Rib Deflection Y	1160	FTSS	2017-02-09
Lower Thorax Rib Deflection Y	1213	FTSS	2017-02-09
Upper Abdomen Rib Deflection Y	1218	FTSS	2017-02-09
Lower Abdomen Rib Deflection Y	1177	FTSS	2017-02-08
Lower Spine T12 Acceleration X	04I20-Z04	Entran	2017-07-22
Lower Spine T12 Acceleration Y	06A07-R08	Entran	2017-07-31
Lower Spine T12 Acceleration Z	P58795	Endevco	2017-07-02
Acetabulum Impact Side Force Y	272 Fy	Denton	2017-07-03
Iliac Wing Impact Side Force Y	284 Fy	Denton	2017-06-27

Table 2 - Vehicle Instrumentation

Sensor Location	Sensor S/N	Mfr	Last Cal
Vehicle CG Ax	A224499	MSI	2017-03-22
Vehicle CG Ay	A224546	MSI	2017-03-18
Vehicle CG Az	A224561	MSI	2017-03-17
Left Floor Sill Ay	A227263	MSI	2017-03-18
A-Pillar Sill Ay	A224543	MSI	2017-03-18
A-Pillar Low Ay	A227278	MSI	2017-03-18
A-Pillar Mid Ay	A224560	MSI	2017-03-18
B-Pillar Sill Ay	A224567	MSI	2017-03-17
B-Pillar Low Ay	A209101	MSI	2017-04-17
B-Pillar Mid Ay	A224564	MSI	2017-03-17
Driver Seat Track at H-Point Ay	A224531	MSI	2017-03-22
Engine Top Ax	A224535	MSI	2017-03-16
Engine Top Ay	A224505	MSI	2017-03-15
Firewall Ay	A224566	MSI	2017-03-18
Right Roof Ay	A224526	MSI	2017-03-15
Right Floor Sill Ay	A224559	MSI	2017-03-17
Rear Floorpan Ax	A224571	MSI	2017-03-18
Rear Floorpan Ay	A224542	MSI	2017-03-18

Table 3 - Rigid Pole Instrumentation

Sensor Location	Sensor S/N	Mfr	Last Cal
Load Cell Pole Barrier #1 Fx	131822A	Interface	2017-05-07
Load Cell Pole Barrier #2 Fx	132304A	Interface	2017-05-07
Load Cell Pole Barrier #3 Fx	19477	Interface	2017-05-07
Load Cell Pole Barrier #4 Fx	19325	Interface	2017-05-07
Load Cell Pole Barrier #5 Fx	131827A	Interface	2017-05-07
Load Cell Pole Barrier #6 Fx	132302A	Interface	2017-05-07
Load Cell Pole Barrier #7 Fx	19267	Interface	2017-05-07
Load Cell Pole Barrier #7 Fx	19321	Interface	2017-05-07