

REPORT NUMBER: SideNCAPMDB-KAR-25-009

**NEW CAR ASSESSMENT PROGRAM (NCAP)
MOVING DEFORMABLE BARRIER SIDE IMPACT TEST**

**SUBARU CORPORATION
2026 SUBARU IMPREZA 5-DOOR HATCHBACK**

NHTSA No: O20265502

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



JANUARY 5, 2026

FINAL REPORT

**PREPARED FOR:
U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
OFFICE OF CRASHWORTHINESS STANDARDS
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1200 NEW JERSEY AVE, SE
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Approval Date: January 5, 2026

FINAL REPORT ACCEPTANCE BY OCWS:

Division Chief, New Car Assessment Program
NHTSA, Office of Crashworthiness Standards

Date: _____

COTR, New Car Assessment Program
NHTSA, Office of Crashworthiness Standards

Date: _____

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15. Supplementary Notes																																																					
16. Abstract A 61.9 km/h 90° Moving Deformable Barrier NCAP Side Impact Test was conducted on the subject 2026 Subaru Impreza 5-Door Hatchback in accordance with the specifications of the Office of Crashworthiness Standards Test Procedure for the generation of consumer information on vehicle side crash protection. The test was conducted at the Applus IDIADA KARCO Engineering, LLC. facility in Adelanto, California on December 9, 2025. The impact velocity of the Moving Deformable Barrier was 61.62 km/h and the outside ambient temperature at the struck (driver's) side of the vehicle was 16.1°C. The target vehicle's maximum post-test static crush was 213 mm located at level 3. The test vehicle's occupant performance data is as follows: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2">Measurement Description</th> <th colspan="3">Driver ATD (ES-2re)</th> </tr> <tr> <th>Units</th> <th>IARV</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>Head Injury Criteria (HIC₃₆)</td> <td></td> <td>1000</td> <td>134.876</td> </tr> <tr> <td>Maximum Thoracic Rib Deflection</td> <td>mm</td> <td>44</td> <td>21.409</td> </tr> <tr> <td>Total Abdominal Force</td> <td>N</td> <td>2500</td> <td>666.229</td> </tr> <tr> <td>Pubic Symphysis Force</td> <td>N</td> <td>6000</td> <td>1464.830</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2">Measurement Description</th> <th colspan="3">Passenger ATD (SID-IIs)</th> </tr> <tr> <th>Units</th> <th>IARV</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>Head Injury Criteria (HIC₃₆)</td> <td></td> <td>1000</td> <td>156.273</td> </tr> <tr> <td>Resultant Lower Spine Acceleration</td> <td>g</td> <td>82</td> <td>50.448</td> </tr> <tr> <td>Total Pelvic Force (Sum of Acetubular and Iliac Forces)</td> <td>N</td> <td>5525</td> <td>2668.901</td> </tr> <tr> <td>Maximum Thoracic Rib Deflection</td> <td>mm</td> <td>38*</td> <td>18.277</td> </tr> <tr> <td>Maximum Abdominal Rib Deflection</td> <td>mm</td> <td>45*</td> <td>20.693</td> </tr> </tbody> </table>				Measurement Description	Driver ATD (ES-2re)			Units	IARV	Result	Head Injury Criteria (HIC ₃₆)		1000	134.876	Maximum Thoracic Rib Deflection	mm	44	21.409	Total Abdominal Force	N	2500	666.229	Pubic Symphysis Force	N	6000	1464.830	Measurement Description	Passenger ATD (SID-IIs)			Units	IARV	Result	Head Injury Criteria (HIC ₃₆)		1000	156.273	Resultant Lower Spine Acceleration	g	82	50.448	Total Pelvic Force (Sum of Acetubular and Iliac Forces)	N	5525	2668.901	Maximum Thoracic Rib Deflection	mm	38*	18.277	Maximum Abdominal Rib Deflection	mm	45*	20.693
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*Proposed IARV

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SECTION 1

TEST PURPOSE AND PROCEDURE

This moving deformable barrier side impact test is part of the MY 2026 New Car Assessment Program Side Impact Test Program, sponsored by the National Highway Traffic Safety Administration (NHTSA), under contract number 693JJ920D000015. The purpose of this test is to generate comparative side impact performance in a 2026 Subaru Impreza 5-Door Hatchback. The side impact test was conducted in accordance with the Office of Crashworthiness Standard's Laboratory Test Procedure dated March 2020.

SECTION 2

SUMMARY OF TEST RESULTS

A 2026 Subaru Impreza 5-Door Hatchback was impacted on the left (driver's) side by a Moving Deformable Barrier (MDB) which was moving forward in a 27° crabbed position to the tow road guidance system at a velocity of 61.62 km/h (38.29 mph). The target vehicle was stationary and was positioned at an angle of 63° to the line of forward motion. The side impact test was conducted by Applus IDIADA KARCO Engineering, LLC. in Adelanto, California, on December 9, 2025. Pre- and post-test photographs of the test vehicle, the MDB and the dummies (ES-2re and SID-IIs) are included in Appendix A of this report.

Dummies were placed in the driver and left rear designated seating position according to instructions specified in the OCWS Side Impact Laboratory Test Procedure, dated March 2020. The side impact event was documented by 11 cameras. Camera locations are included in Data Sheet No. 5 of this report.

The dummies were instrumented in the following manner:

DRIVER ATD (ES-2re)

Primary and redundant head CG tri-axial accelerometers

Chest upper rib, middle rib and lower rib y-axis displacement potentiometers

Abdomen forward, middle, and rear y-axis load cells

Lower spine (12) tri-axial accelerometers

Pubic symphysis y-axis load cell

PASSENGER ATD (SID-IIs)

Primary and redundant head CG tri-axial accelerometers

Head triaxial angular rate sensors

Chest upper rib, middle rib and lower rib y-axis displacement potentiometers

Abdomen upper rib and lower rib y-axis displacement potentiometers

Lower spine (12) tri-axial accelerometers

Acetabulum and iliac wing y-axis load cells

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

Dummy injury readings were recorded as follows:

Measurement Description	Units	Driver ATD (ES-2re)	
		Threshold	Result
Head Injury Criteria (HIC ₃₆)		1000	134.876
Maximum Thoracic Rib Deflection	mm	44	21.409
Combined Abdominal Force	N	2500	666.229
Pubic Symphysis Force	N	6000	1464.830
Lower Spine (T12) Resultant Acceleration	g	82*	22.342

**Proposed IARV*

Measurement Description	Units	Passenger ATD (SID-IIs)	
		Threshold	Result
Head Injury Criteria (HIC ₃₆)		1000	156.273
Lower Spine (T12) Resultant Acceleration	g	82	50.448
Total Pelvic Force (sum of acetabular and iliac forces)	N	5525	2668.901
Maximum Thoracic Rib Deflection	mm	38*	18.277
Maximum Abdominal Rib Deflection	mm	45*	20.693

**Proposed IARV*

Supplemental restraint information is given below:

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

GENERAL COMMENTS:

None.

SECTION 3

OCCUPANT AND VEHICLE INFORMATION/DATA SHEETS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

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: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

TEST VEHICLE INFORMATION AND OPTIONS

NHTSA Number	O20265502
Model Year	2026
Make	Subaru
Model	Impreza
Body Style	5-Door Hatchback
VIN	JF1GUAFC9T8205760
Body Color	Magnetite Gray Metallic
Odometer Reading (km / mi)	14/9
Engine Displacement (L)	2.0
Type / No. of Cylinders	4 Cylinder
Engine Placement	Transverse
Transmission Type	Lineartronic CVT
Transmission Speeds	8
Overdrive	Yes
Final Drive	AWD
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 Air Bag	Yes
Driver Curtain Air Bag	Yes
Driver Head/Torso Air Bag	No
Driver Torso Air Bag	No
Driver Torso/Pelvis Air Bag	Yes
Driver Pelvis Air Bag	No
Driver Knee Air Bag	Yes
Rear Pass. Curtain Air Bag	Yes
Rear Pass. Head/Torso Air Bag	No
Rear Pass. Torso Air Bag	Yes
Rear Pass. Torso/Pelvis Air Bag	No
Rear Pass. Pelvis Air Bag	No
Driver Seat Belt Pretensioner	Yes
Rear Pass. Seat Belt Pretensioner	Yes
Driver Load Limiter	Yes
Rear Pass. Load Limiter	Yes
Other Safety Restraint	Yes; Passenger Seat Cushion Air bag

Does Owner's Manual provide instructions to turn off automatic door locks?

Yes; Page 128

DATA FROM CERTIFICATION LABEL

Manufactured By	Subaru Corporation
Date of Manufacture	09/25
Vehicle Type	PC/VT

GVWR (kg)	2185
GAWR Front (kg)	1165
GAWR Rear (kg)	1130

VEHICLE SEATING AND CAPACITY WEIGHT INFORMATION

Measured Parameter	Front	Rear	Third	Total	
Designated Seating Capacity	2	3		5	
Capacity Weight (VCW) (kg)				408.0	A
DSC x 68 (kg)				340.0	B
Cargo Weight (RCLW) (kg)				68.0	A-B*

**For trucks or MPVs, if A-B>136, RCLW=136 kg

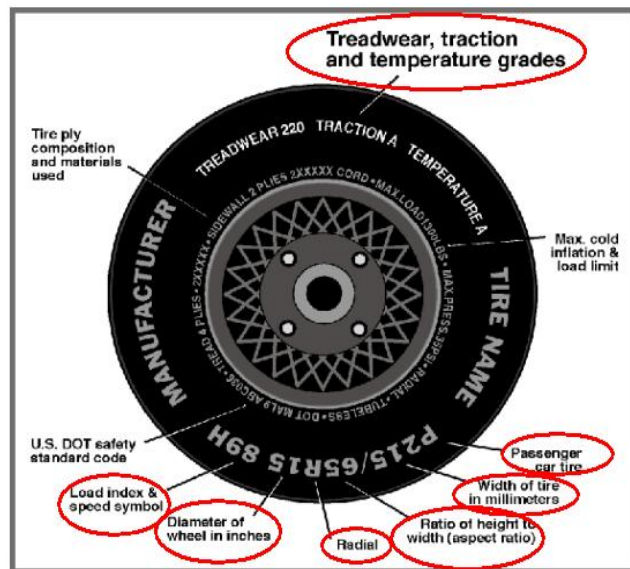
VEHICLE SEAT TYPE

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: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



Measured Parameter	Front	Rear
Max. Tire Pressure (kPa)	350	350
Cold Pressure (kPa)	230	220
Recommended Tire Size	225/40 R18	225/40 R18
Tire Size on Vehicle	225/40 R18	225/40 R18
Tire Manufacturer	Yokohama	Yokohama
Tire Model	Avid S34	Avid S34
Treadware	320	320
Traction Grade	A	A
Temperature Grade	A	A
Tire Plies Sidewall	2 Polyester	2 Polyester
Tire Plies Body	2 Polyester, 2 Steel, 1 Nylon	2 Polyester, 2 Steel, 1 Nylon
Load Index/Speed Symbol	88V	88V
Tire Material	Rubber	Rubber
DOT Safety Code Left	T7Y6EX	T7Y6EX
DOT Safety Code Right	T7Y6EX	T7Y6EX

DATA SHEET NO. 1 ... (CONTINUED)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

TIRE PRESSURES

	Units	LF	RF	LR	RR
As Delivered	kPa	230	230	220	220
Tire Placard	kPa	230	230	220	220
Owner's Manual	kPa	230	230	220	220
As Tested	kPa	230	230	220	220

MDB TIRE SPECIFICATIONS

	Units	Requirement	LF	RF	LR	RR
Tire Size		P205/75R15	P205/75R15	P205/75R15	P205/75R15	P205/75R15
Tire Pressure	kPa	200 ± 21	220	220	220	220

TEST VEHICLE AXLE WEIGHTS

	Units	As Delivered Weights (UWV)			As Tested Weights (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	462.5	295.5		494.5	371.5	
Right	kg	424.5	299.0		428.5	373.5	
Ratio	%	59.9%	40.1%	100.0%	55.3%	44.7%	100.0%
Total	kg	887.0	594.5	1481.5	923.0	745.0	1668.0

TARGET TEST WEIGHT CALCULATION

Measured Parameter	Units	Value	
Total Delivered Weight (UWV)	kg	1481.5	A
Sum of Actual Weight of 2 P572 ATD Used	kg	125.0	B
Rated Cargo/Luggage Weight (RCLW)	kg	68.0	C
Calculated Target Vehicle Test Weight (TVTW)	kg	1674.5	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	Fully Loaded	As Tested	Meets Requirement***
LF	mm	672	670	Yes
RF	mm	686	683	Yes
LR	mm	654	650	Yes
RR	mm	657	653	Yes
Vehicle CG (Aft of Front Axle)	mm	1198	1194	
Vehicle CG (Left (+)/Right (-) from Longitudinal Centerline)	mm	35	30	

***The "As Tested" vehicle attitude measurements must be equal to or within ±10 mm of the "Fully Loaded" vehicle attitude measurements at each wheel well. Indicate "Yes" or "No" for "Meets Requirement"

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

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

Test Height Adjustable Setting (If Applicable)	
--	--

WEIGHT OF BALLAST AND VEHICLE COMPONENTS REMOVED TO MEET TVTW

Component Description	Weight (kg)
None	

TEST SURFACE MARKINGS

	Distance from 63° Impact Angle Line (mm)
Fore 25 mm target	0
Aft 25 mm target	0
Pre-Impact Angle Line	63°

Parallel Track Target	X Location (mm)	Y Location (mm)
A	0	0
B	1355	689
C	1355	3756
D	0	3059

DATA SHEET NO. 2**SEAT, SEAT BELT, STEERING WHEEL ADJUSTMENT, AND FUEL SYSTEM DATA**

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

SEAT POSITIONING

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

SCRL ANGLE RANGE

Seat	SCRL (°)		
	Max	Min	Mid
Driver Seat	21.2	12.6	16.9
Front Passenger Seat	Fixed	Fixed	Fixed
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	16.9	505	Max			
			Mid	501	505	510
			Min			
Front Passenger Seat	Fixed	Fixed	Max			
			Mid			
			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: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

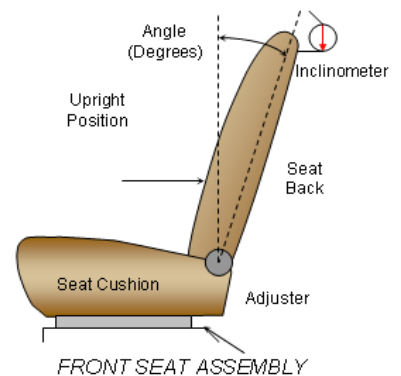
SEAT FORE/AFT POSITION

Seat	Total Fore/Aft Travel		Test Position From Forwardmost Position	
	mm	Detents*	mm	Detent*
Driver Seat	260	27	130	13
Front Passenger Seat	260	27	130	13
Front Center Seat				
Struck Side Rear Seat	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

SEAT BACK ADJUSTMENT

The driver's seat back is positioned to the manufacturer's designated design angle. The right front passenger's seat back is positioned in a similar manner as the driver's seat back. The struck side rear seat back is not adjustable. The rear center and non-struck side rear outboard seat backs are positioned in a similar manner as the struck side rear seat back. Seat back angle is measured at the head rest post.



SEAT BACK POSITION

Seat	Total Seat Back Angle Range		Test Position from Most Upright	
	Degrees	Detents*	Degree	Detent*
Driver Seat w/ Seated Dummy	72.1		4.8	
Front Passenger Seat	74.2		4.4	
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: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

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, M2, M1, L from top to bottom.

	Total No. of Positions	Placed in Position
Driver Seat	4	M2
Rear Seat	Fixed	Fixed

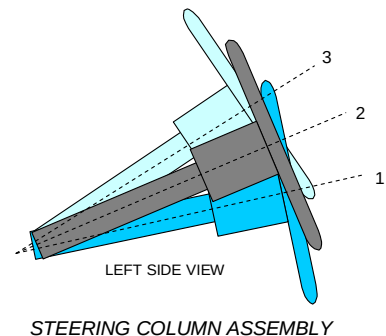
HEAD RESTRAINT ADJUSTMENT

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

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

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.



STEERING COLUMN POSITIONING

	Degrees	Fore-Aft Position (mm)
Lowermost Position, No. 1	25.0	103
Geometric Center Position, No. 2	23.4	127
Uppermost Position, No. 3	21.8	150
Telescoping Steering Wheel Travel		47
Test Position	23.4	127

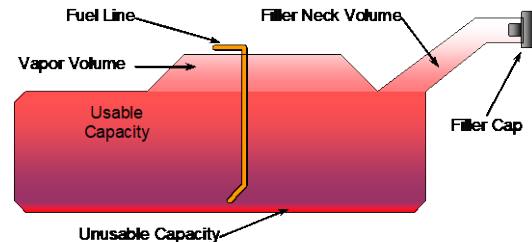
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SEAT, SEAT BELT, STEERING WHEEL ADJUSTMENT, AND FUEL SYSTEM DATA

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

FUEL PUMP

The vehicle is equipped with an electric fuel pump. The pump will work at "ignition on" until pressure in the system has reached working pressure in the system; then it will stop pumping fuel until the engine has been started.



FUEL TANK CAPACITY

VEHICLE FUEL TANK ASSEMBLY

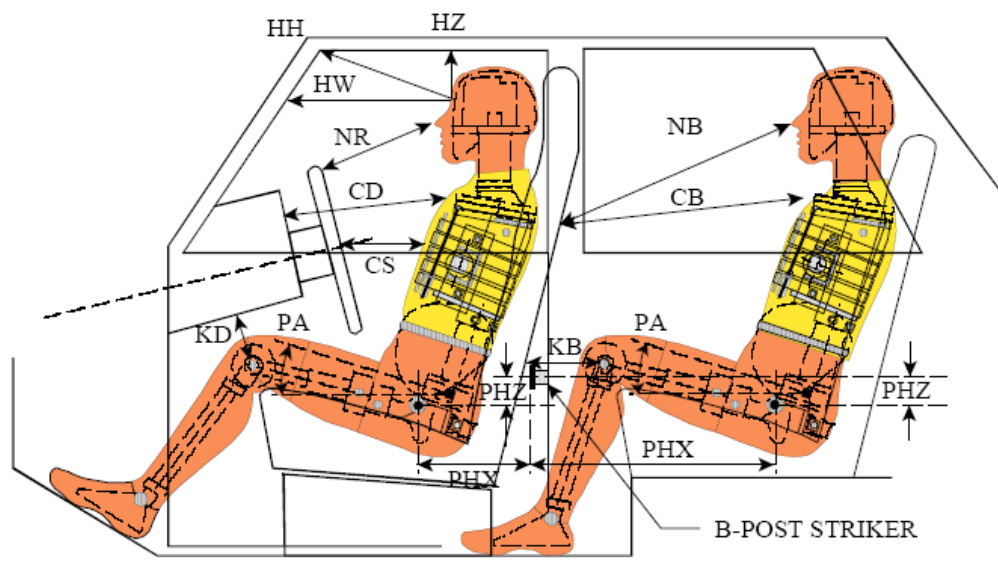
Description	Liters
Usable Capacity of "Standard Tank" (see Form No. 1)	62.84
Usable Capacity of "Optional Tank" (see Form No. 1)	
Usable Capacity of "Standard Tank" (see Owner's Manual)	62.84
Usable Capacity of "Optional Tank" (see Owner's Manual)	
93% of Usable Capacity	58.29
Actual Amount of Solvent Used in Test	58.29
1/3 of Usable Capacity	20.95

Is the Actual Amount of Solvent Used in the test equal to $93\% \pm 1\%$ of the Usable Capacity stated in the Form No. 1? ☒ Yes ☐ No

DATA SHEET NO. 3

DUMMY LONGITUDINAL CLEARANCE DIMENSIONS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



LEFT SIDE VIEW

NOTE: 2-DOOR VEHICLE SHOWN.
 REAR DUMMY PHX & PHZ
 MEASUREMENTS FOR A 4-DOOR
 VEHICLE WOULD USE THE C-POST
 STRIKER AS A REFERENCE POINT

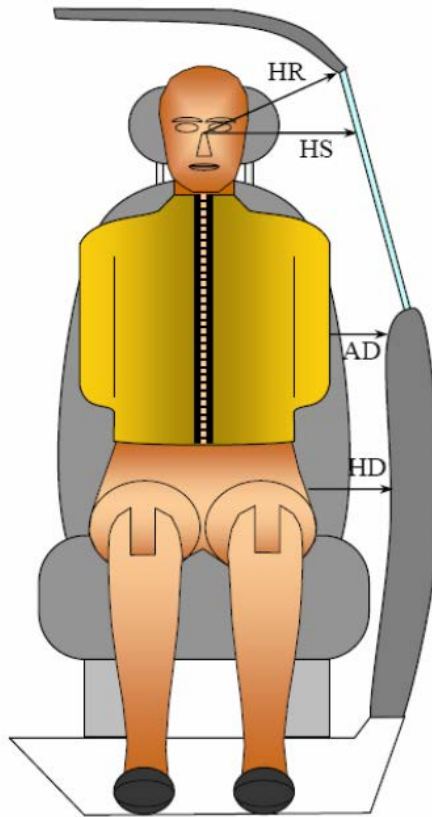
DUMMY LONGITUDINAL CLEARANCE DIMENSION INFORMATION

Driver Code	Pass. Code	Description	Driver		Passenger	
			Length (mm)	Angle (°)	Length (mm)	Angle (°)
HH		Head to Header	340			
HW		Head to Windshield	555			
HZ	HZ	Head to Roof	165		280	
NR	NB	Nose to Rim/Seat Back	438		583	
CD	CB	Chest to Dash/Seat Back	576		562	
CS		Chest to Steering Wheel	286			
KD(L)/KDA(L)°	KB(L)/KBA(L)°	Left Knee to Dash/Seat Back	180	16.7	320	3.3
KD(R)/KDA(R)°	KB(R)/KBA(R)°	Right Knee to Dash/Seat Back	155	21.0	333	13.2
PAX°	PAX°	Pelvic Tilt Angle X				
	PAY°	Pelvic Tilt Angle Y		0.0		0.0
PHX	PHX	Hip Point to Driver Striker (x-axis)	243		696	
PHZ	PHZ	Hip Point to Driver Striker (z-axis)	191		181	

DATA SHEET NO. 4

DUMMY LATERAL CLEARANCE DIMENSIONS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



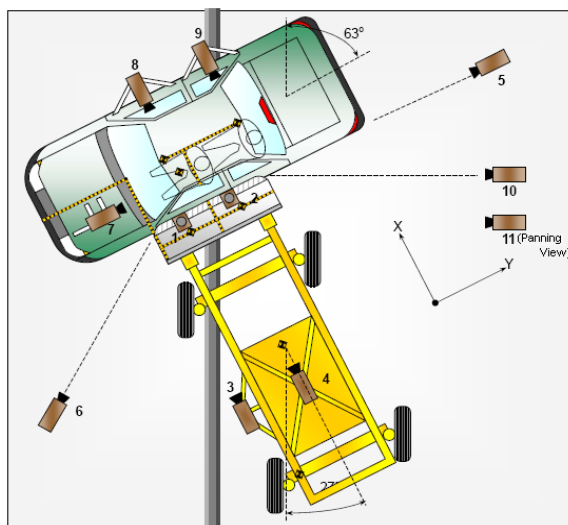
DUMMY LATERAL CLEARANCE DIMENSION INFORMATION

Code	Measurement Description	Units	Driver	Passenger
HR	Head to Side Header	mm	257	285
HS	Head to Side Window	mm	341	358
AD	Arm to Door	mm	118	193
HD	H-Point to Door	mm	160	180

DATA SHEET NO. 5

CAMERA AND INSTRUMENTATION DATA

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



CAMERA LOCATIONS AND DATA

No.	View	Coordinates (mm)			Lens Length (mm)	Operating Frame Rate (fps)
		X	Y	Z		
1	Overhead Overall	1220	2287	-5486	14	1000
2	Overhead Close-Up	609	2287	-5102	35	1000
3	Left Impact Point (MDB)	-2134	0	-1143	25	1000
4	Side Overall (MDB)	-3912	838	-1829	12.5	1000
5	Rear	-64	2485	-1348	85	1000
6	Left Front	-2266	-3564	-1475	24	1000
7	Driver Front (On-Board)	316	-1424	608	8.5	1000
8	Driver Side (On-Board)	435	-1451	576	8	1000
9	Passenger Side (On-Board)	342	-1418	650	8	1000
10	Real Time Overall				Zoom	30
11	Real Time Inrun				Zoom	30

Reference: Impact Point Projected to Ground; +X = To Front of MDB, +Y = To Right of MDB, +Z = Down

*All measurements accurate to ± 6 mm

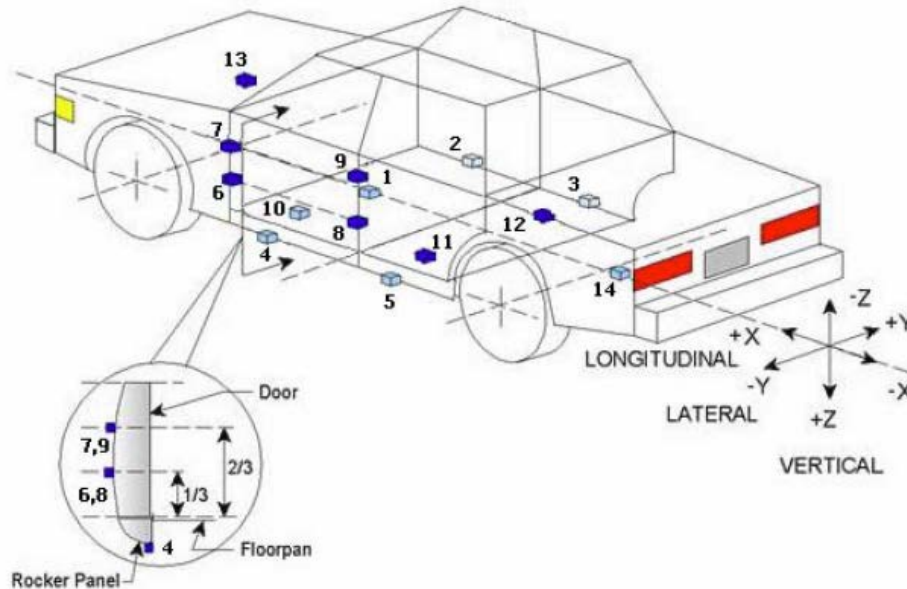
INSTRUMENTATION

Driver Dummy Channels	16
Passenger Dummy Channels	19
Vehicle Structure Accelerometers	23
MDB Channels	5
Total	63

DATA SHEET NO. 6

TEST VEHICLE ACCELEROMETER LOCATIONS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



VEHICLE ACCELEROMETER PRE-TEST LOCATIONS

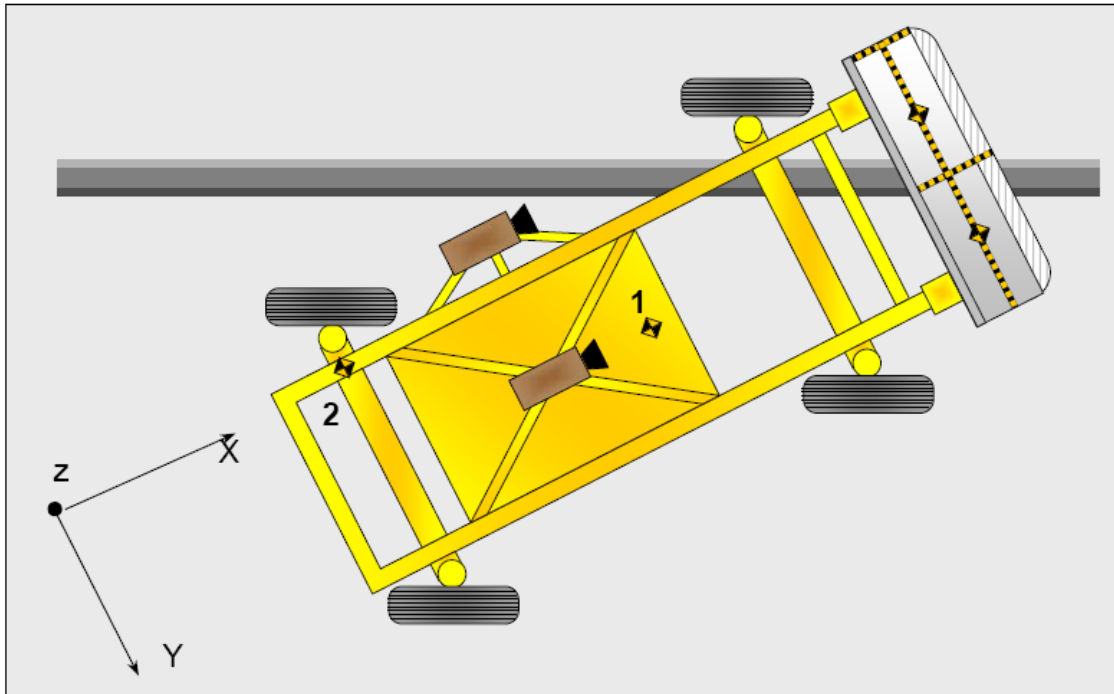
Loc. No.	Sensor Description	Coordinates (mm)		
		X	Y	Z
1	Vehicle CG	1870	0	-130
2	Right Sill at Front Seat	2980	715	-125
3	Right Sill at Rear Seat	1700	716	-130
4	Left Sill at Front Door	2220	-810	-130
5	Left Sill at Rear Door	1670	-810	-130
6	A-Pillar Lower	3220	-730	-295
7	A-Pillar Middle	3220	-730	-447
8	B-Pillar Lower	2130	-724	-351
9	B-Pillar Middle	2140	-724	-550
10	Front Seat Track	2400	-600	-105
11	Rear Seat Structure	1720	-427	-255
12	Right Rear Occupant Compartment	1940	384	-280
13	Engine Block	4100	-10	-700
14	Rear Floorpan Above Axle	675	0	-290

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

DATA SHEET NO. 7

MDB ACCELEROMETER LOCATIONS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



MDB ACCELEROMETER LOCATIONS

Loc. No.	Accelerometer Location	Coordinates (mm)		
		X	Y	Z
1	MDB CG	-1195	0	-430
2	MDB Rear	-2642	-593	-608

Reference: X – Face of MDB (+ forward)
 Y – MDB centerline (+ to right)
 Z – Ground plane (+ down)

Width between left and right MDB contact switches	mm	1530
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DATA SHEET NO. 8
POST-TEST OBSERVATIONS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

TEST DUMMY INFORMATION AND CONTACT POINTS

Dummy Body Part	Front Seat Dummy (ES-2re)	Rear Seat Dummy (SID-IIs)
Face	Curtain Air Bag	Curtain Air Bag
Top of Head	Curtain Air Bag, Headliner	Curtain Air Bag, Headrest
Left Side of Head	Curtain Air Bag, Headliner	Curtain Air Bag
Back of Head	Headrest, Curtain Air Bag, Headliner	Headrest, Curtain Air Bag
Left Shoulder	Curtain Air Bag, Torso/Pelvis Air Bag	Torso/Pelvis Air Bag
Upper Torso	Torso/Pelvis Air Bag, Seatback	Torso/Pelvis Air Bag, Seatback
Lower Torso	Torso/Pelvis Air Bag, Seatback	Torso/Pelvis Air Bag, Seatback, Door Panel
Left Hip	Torso/Pelvis Air Bag, Seatback, Door Panel, Seat Pan	Seat Pan, Door Panel
Left Knee	Door Panel	None

POST-TEST DOOR PERFORMANCE

Description	Struck Side		Non-Struck Side		Rear Hatch/Other
	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

DATA SHEET NO. 8 ... (CONTINUED)**POST-TEST OBSERVATIONS**

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

POST-TEST SEAT PERFORMANCE

Description	Struck Side		Non-Struck Side	
	Front	Rear	Front	Rear
Seat Movement Along Seat Track	No	No	No	No
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	Good
Sill Separation	None
Windshield Damage	None
Side Window Damage	Broken
Other Notable Effects	None

DATA SHEET NO. 8 ... (CONTINUED)**POST-TEST OBSERVATIONS**

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

SUPPLEMENTAL RESTRAINT SYSTEM INFORMATION

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

IMPACT POINT LOCATION DATA

Measured Parameter	Units	Tolerance	Value
Vehicle Wheelbase	mm		2673
Vertical Impact Reference Line (Aft of Front Axle)(Intended Impact Point)	mm		396
Actual Impact Point (Aft of Front Axle)	mm		406
Horizontal Offset (+ forward / - rearward)	mm	± 50 of Intended Impact Point	10
Vertical Offset (+ down / - up)	mm	± 20 of Intended Impact Point	8

DATA SHEET NO. 9**MDB SUMMARY OF RESULTS**

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

MDB SPECIFICATIONS

Measurement Description	Length (mm)
Overall Width of Framework Carriage	1251
Overall Length Including Honeycomb Face	4115
Wheelbase of Framework Carriage	2595
CG location aft of Front Axle	1118

MDB WEIGHTS

	Units	Front Axle	Rear Axle	Total
Left	kg	402.0	297.5	699.5
Right	kg	377.0	290.0	667.0
Ratio	%	57.0%	43.0%	100.0%
Totals	kg	779.0	587.5	1366.5

SPEED AND IMPACT DATA

Measured Parameter	Units	Requirement	Value
Trap No. 1 Velocity (Primary)	km/h	61.1 to 62.7	61.62
Trap No. 2 Velocity (Redundant)	km/h	61.1 to 62.7	61.65
MDB CL to Target Vehicle CL	degrees	88.5 to 91.5	90.2
MDB Forward Line of Motion to Target Vehicle CL	degrees	62.5 to 63.5	62.9
MDB Crabbed Angle to MDB Forward Line of Motion	degrees	26.0 to 28.0	27.3

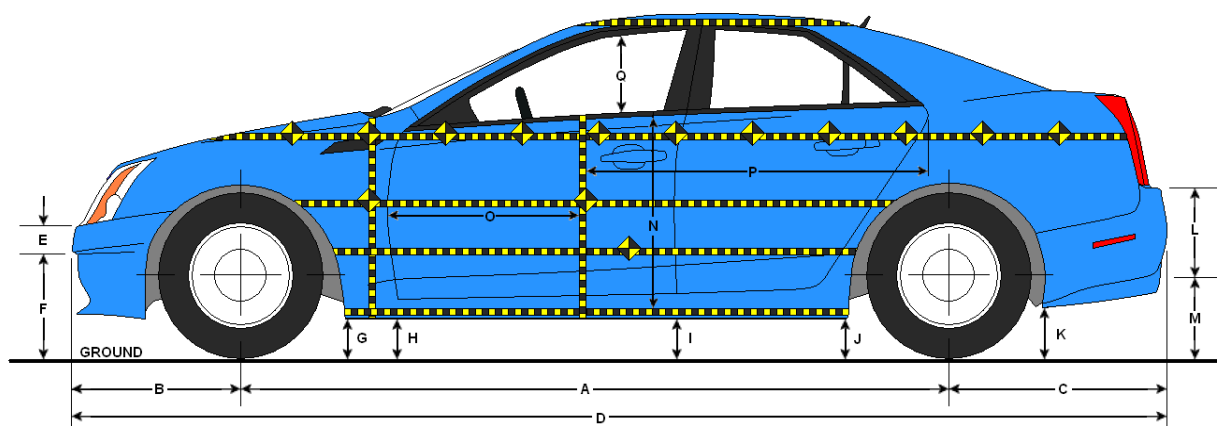
MAXIMUM STATIC CRUSH OF HONEYCOMB FACE

Vertical Location			From Centerline		Max. Crush (mm)
Row	Description	Height (mm)	Distance (mm)	Direction	
A	Center of Bumper	432	800	Right	231
B	Top of Bumper	533	800	Right	142
C	Mid Level	686	800	Left	79
D	Top of Stack	813	800	Left	110

DATA SHEET NO. 10

TEST VEHICLE PROFILE MEASUREMENTS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



LEFT SIDE VIEW

VEHICLE PRE- AND POST-TEST MEASUREMENT INFORMATION

Code	Description	Pre-Test	Post-Test	Change
A	Wheelbase	2673	2670	-3
B	Front Axle to FSOV	965	960	-5
C	Rear Axle to RSOV	821	822	1
D	Total Length at Centerline	4462	4466	4
E	Front Bumper Thickness	108	108	0
F	Front Bumper Bottom to Ground	401	407	6
G	Sill Height at Front Wheel Well	211	205	-6
H	Sill Height at Front Door Leading Edge	238	228	-10
I	Sill Height at B-Pillar	239	247	8
J1	Sill Height at Rear Wheel Well	242	240	-2
J2	Pinch Weld Height at Rear Wheel Well	169	165	-4
K	Sill Height Aft of Rear Wheel Well	267	259	-8
L	Rear Bumper Thickness	168	170	2
M	Rear Bumper Bottom to Ground	438	437	-1
N	Sill Height to Bottom of Front Window Sill	593	592	-1
O	Front Door Leading Edge to Impact CL	763	717	-46
P	Rear Door Trailing Edge to Impact CL	1388	1346	-42
Q	Front Window Opening	402	394	-8
R	Right Side Length	3248	3241	-7
S	Left Side Length	3248	3221	-27
T	Vehicle Width at B-Pillar	1702	1583	-119

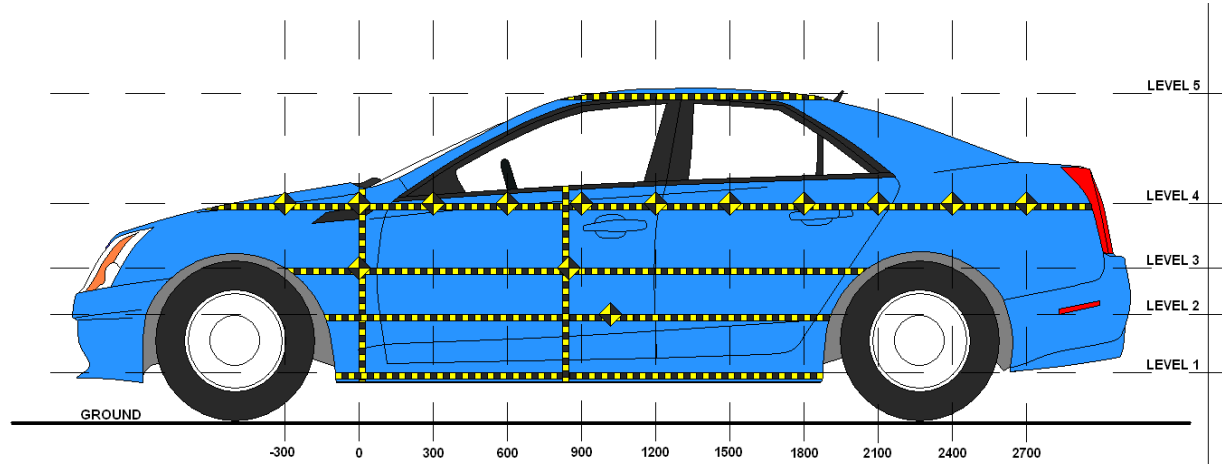
All measurements in mm with tolerance of ± 3 mm

DATA SHEET NO. 11

TEST VEHICLE EXTERIOR CRUSH MEASUREMENTS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502

Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



LEFT SIDE VIEW

Level	Description	Height Above Ground (mm)	Maximum Exterior Static Crush	Distance from Impact
1	Sill Top	266	21	1200
2	Occupant H-Point	540	212	600
3	Mid-Door	669	213	1500
4	Window Sill	948	185	1650
5	Window Top	1445	9	750

DATA SHEET NO. 11 ... (CONTINUED)

TEST VEHICLE EXTERIOR CRUSH MEASUREMENTS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

EXTERIOR CRUSH MEASUREMENTS AT EACH LEVEL

	Pre-Test (mm)					Post-Test (mm)					Crush (mm)				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
-900															
-750															
-600															
-450				2273					2284					11	
-300				2289					2300					11	
-150			2386	2303				2394	2314				8	11	
0		2387	2383	2311			2372	2383	2320			15	0	9	
150	2331	2377	2378	2312		2331	2248	2277	2311		0	129	101	1	
300	2329	2372	2380	2341		2328	2179	2205	2278		1	193	175	63	
450	2330	2377	2383	2321		2325	2170	2188	2234		5	207	195	87	
600	2331	2379	2385	2330	2141	2322	2167	2201	2203	2142	9	212	184	127	1
750	2332	2381	2386	2343	2134	2318	2173	2203	2217	2143	14	208	183	126	9
900	2333	2383	2388	2344	2124	2317	2189	2211	2216	2130	16	194	177	128	6
1050	2333	2384	2388	2347	2116	2313	2196	2223	2241	2119	20	188	165	106	3
1200	2333	2383	2387	2349	2111	2312	2195	2211	2275	2113	21	188	176	74	2
1350	2333	2381	2384	2348	2113	2313	2194	2176	2218	2111	20	187	208	130	2
1500	2335	2381	2382	2345	2115	2318	2213	2169	2185	2110	17	168	213	160	5
1650	2338	2381	2380	2340	2116	2329	2221	2176	2155	2111	9	160	204	185	5
1800	2343	2384	2386	2333	2113	2350	2260	2221	2175	2108	7	124	165	158	5
1950		2385	2392	2344	2110		2388	2318	2264	2103		3	74	80	7
2100			2393	2319	2103			2391	2296	2102			2	23	1
2250				2329	2093				2321	2093				8	0
2400				2330					2323					7	
2550				2320					2315					5	
2700															
2850															

DATA SHEET NO. 11 ... (CONTINUED)

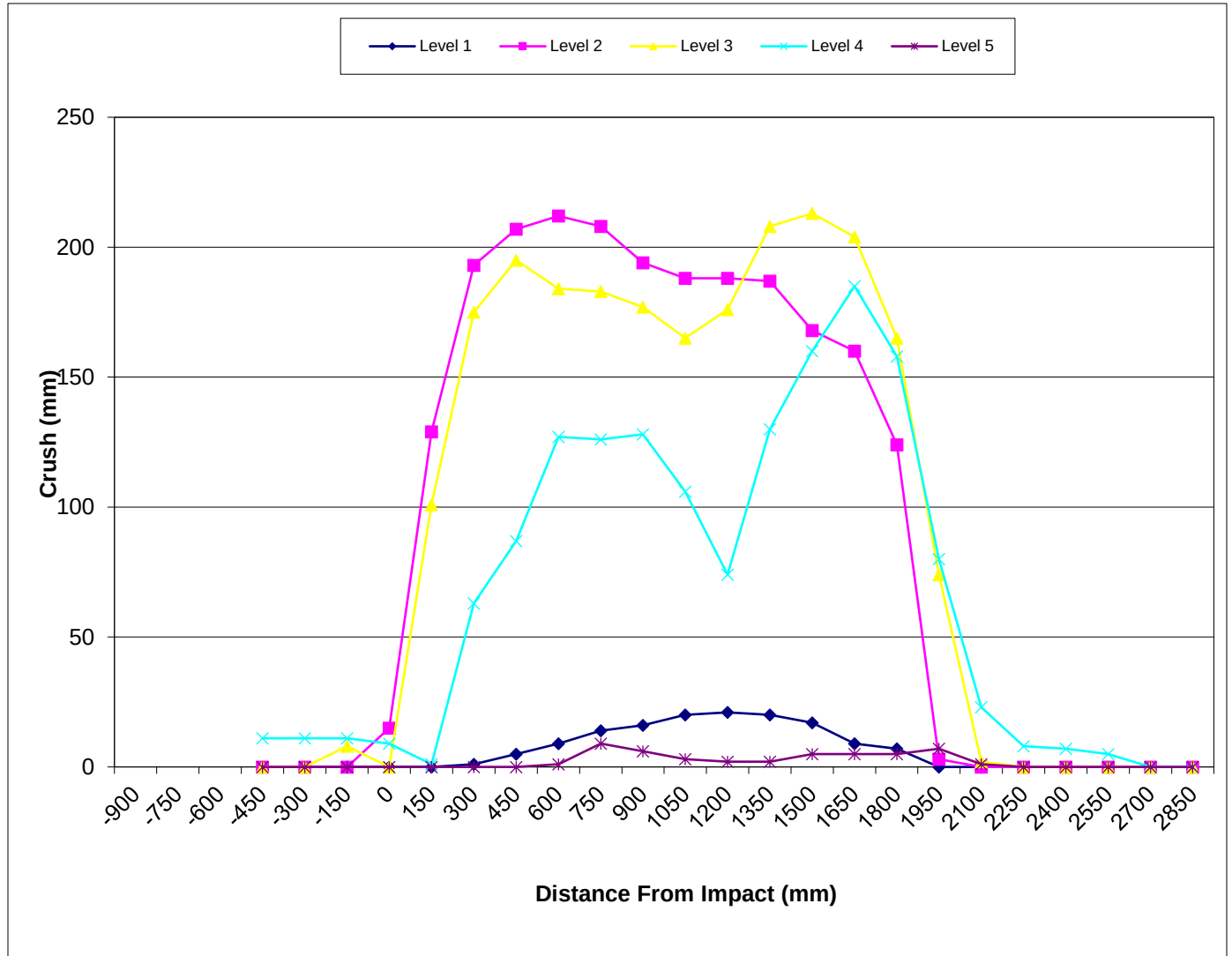
TEST VEHICLE EXTERIOR CRUSH MEASUREMENTS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback

NHTSA No. O20265502

Test Program: NCAP MDB Side Impact Test

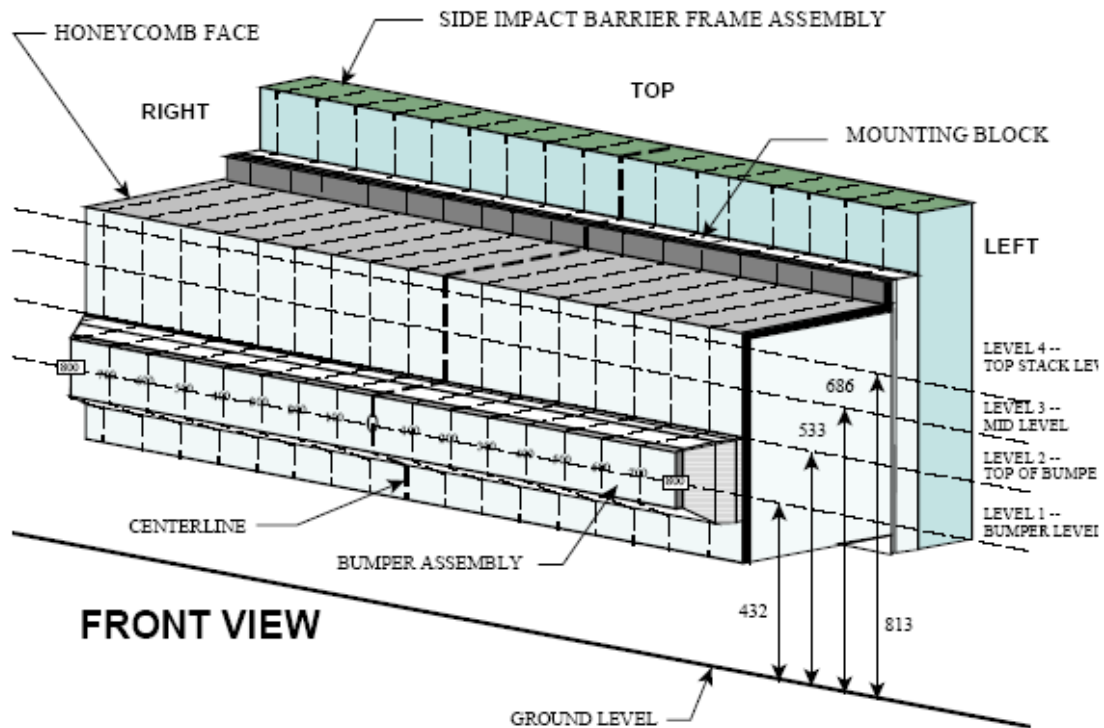
Test Date: 12/09/2025



DATA SHEET NO. 12

MDB EXTERIOR STATIC CRUSH MEASUREMENTS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502
 Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



NOTE: Dimensions are shown in millimeters, mm

DEFORMABLE BARRIER STATIC CRUSH

Stack Level	Distance Right of Center								C/L	Distance Left of Center							
	800	700	600	500	400	300	200	100		100	200	300	400	500	600	700	800
1	231	216	197	182	169	163	154	147	148	133	129	121	118	113	113	123	137
2	142	112	96	82	71	58	61	64	58	46	53	48	51	49	49	55	66
3	67	27	3	10	16	32	51	69	38	28	23	11	5	6	10	31	79
4	34	0	-2	4	23	71	99	90	58	16	6	1	6	5	34	68	110

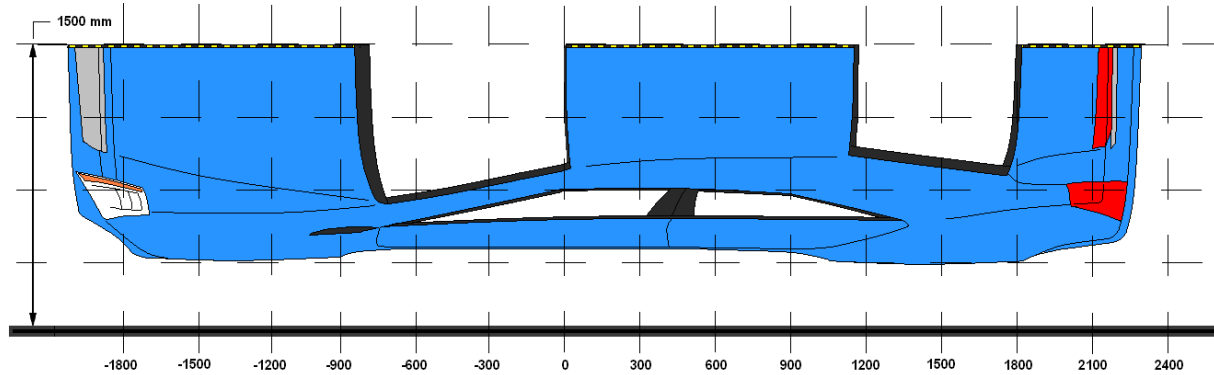
All dimensions in millimeters.

DATA SHEET NO. 13

VEHICLE AND MDB DAMAGE PROFILE DISTANCES

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502

Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025



VEHICLE DAMAGE PROFILE DISTANCES

DPD	Distance From Impact Point (mm)	Level	Pre-Test (mm)	Post-Test (mm)	Crush (mm)
1	2550	4	2320	2315	-5
2	1950	4	2344	2264	-80
3	1350	3	2384	2176	-208
4	750	2	2381	2173	-208
5	150	2	2377	2248	-129
6	-450	4	2273	2284	11

MDB DAMAGE PROFILE DISTANCES

DPD	From MDB Centerline		Level	Crush (mm)
	Distance (mm)	Direction		
1	800	Left	1	137
2	500	Left	1	113
3	200	Left	1	129
4	200	Right	1	154
5	500	Right	1	182
6	800	Right	1	231

DATA SHEET NO. 14

FMVSS NO. 301 STATIC ROLLOVER RESULTS

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback NHTSA No. O20265502

Test Program: NCAP MDB Side Impact Test Test Date: 12/09/2025

Temperature at Time of Impact: 16.1°C Test Time: 3:30 P.M.

A. From impact until vehicle motion ceases: N/A oz.

(Maximum allowable = 1 oz.)

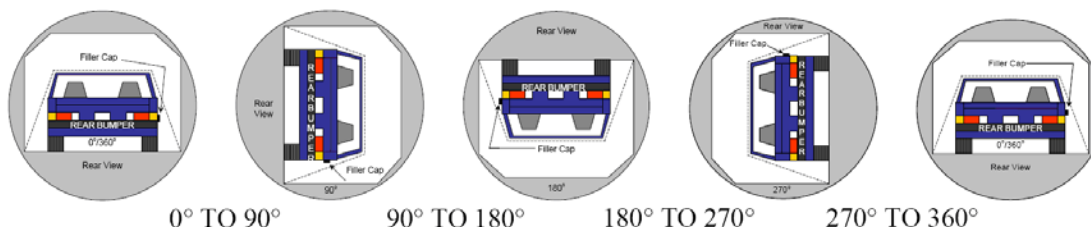
B. For the 5 minute period after motion ceases: N/A oz.

(Maximum allowable = 5 oz.)

C. For the following 25 minutes: N/A oz.

(Maximum allowable = 1 oz./minute)

D. Spillage Details: No spillage.



SOLVENT COLLECTION TIME TABLE IN SECONDS

Test Phase	Rotation Time	Hold Time	Total Time
0° To 90°	80	300	380
90° To 180°	81	300	381
180° To 270°	81	300	381
270° To 360°	82	300	382

FMVSS 301 SPILLAGE TABLE

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

SOLVENT SPILLAGE LOCATION TABLE

Test Phase	Spillage Location
0° To 90°	
90° To 180°	
180° To 270°	
270° To 360°	

DATA SHEET NO. 15

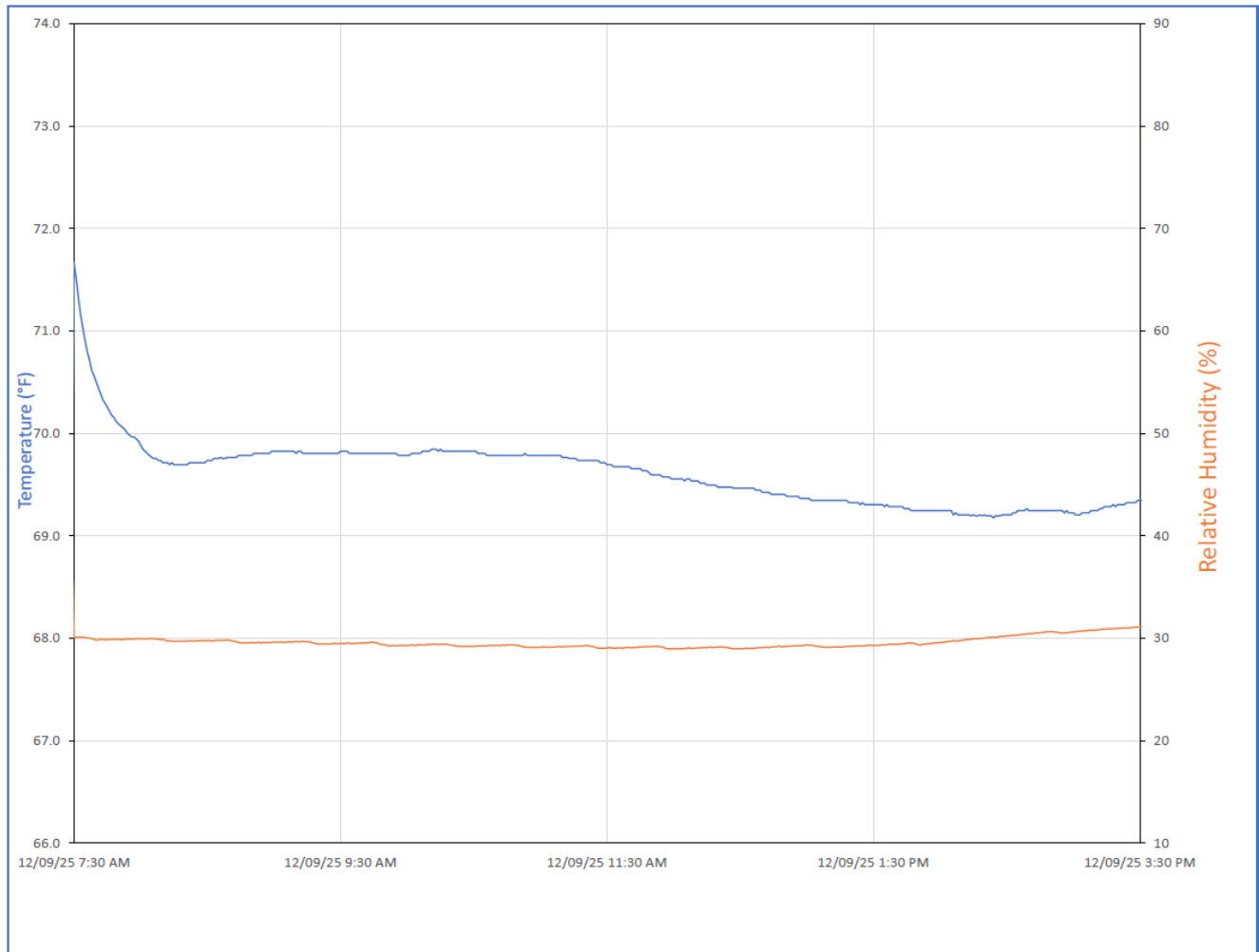
DUMMY/VEHICLE TEMPERATURE AND HUMIDITY STABILIZATION

Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback

NHTSA No. O20265502

Test Program: NCAP MDB Side Impact Test

Test Date: 12/09/2025



APPENDIX A
PHOTOGRAPHS

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FIGURE 1. As-Delivered Right Front 3/4 View of Test Vehicle



FIGURE 2. As-Delivered Left Rear 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 3/4 View of Test Vehicle



FIGURE 6. Post-Test Left Front 3/4 View of Test Vehicle



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

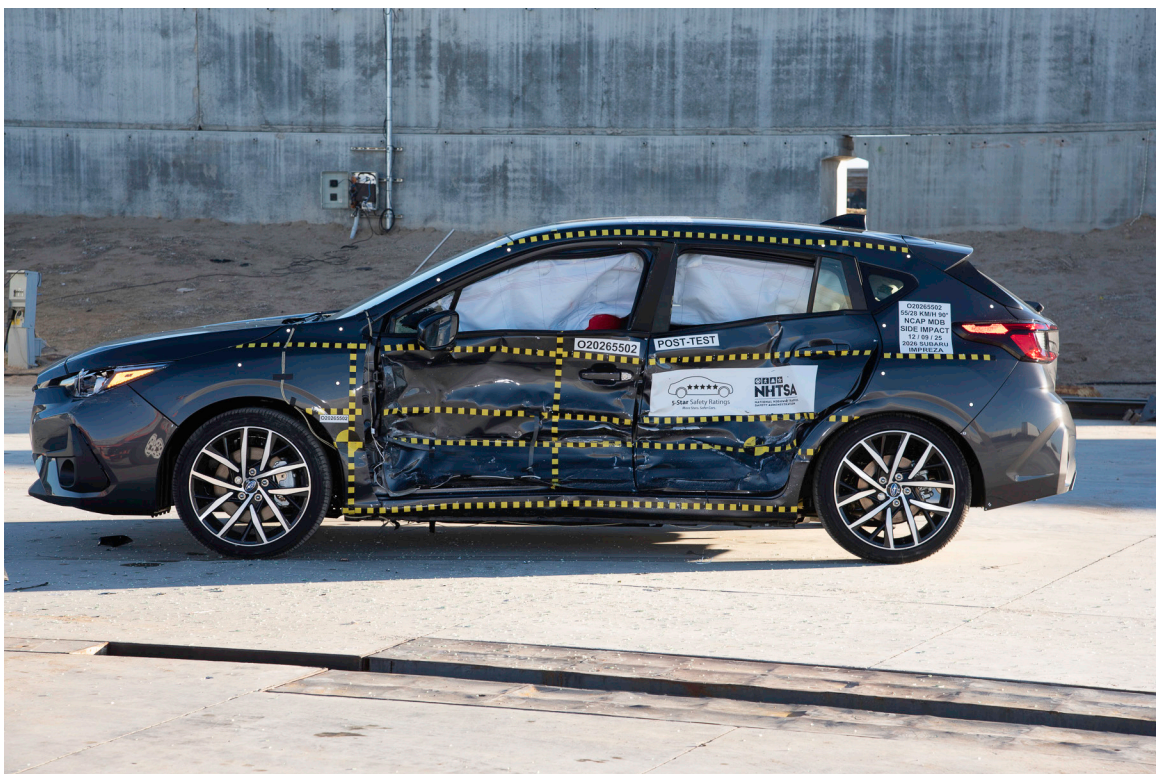


FIGURE 8. Post-Test Left Side View of Test Vehicle



FIGURE 9. Pre-Test Left Rear 3/4 View of Test Vehicle



FIGURE 10. Post-Test Left Rear 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

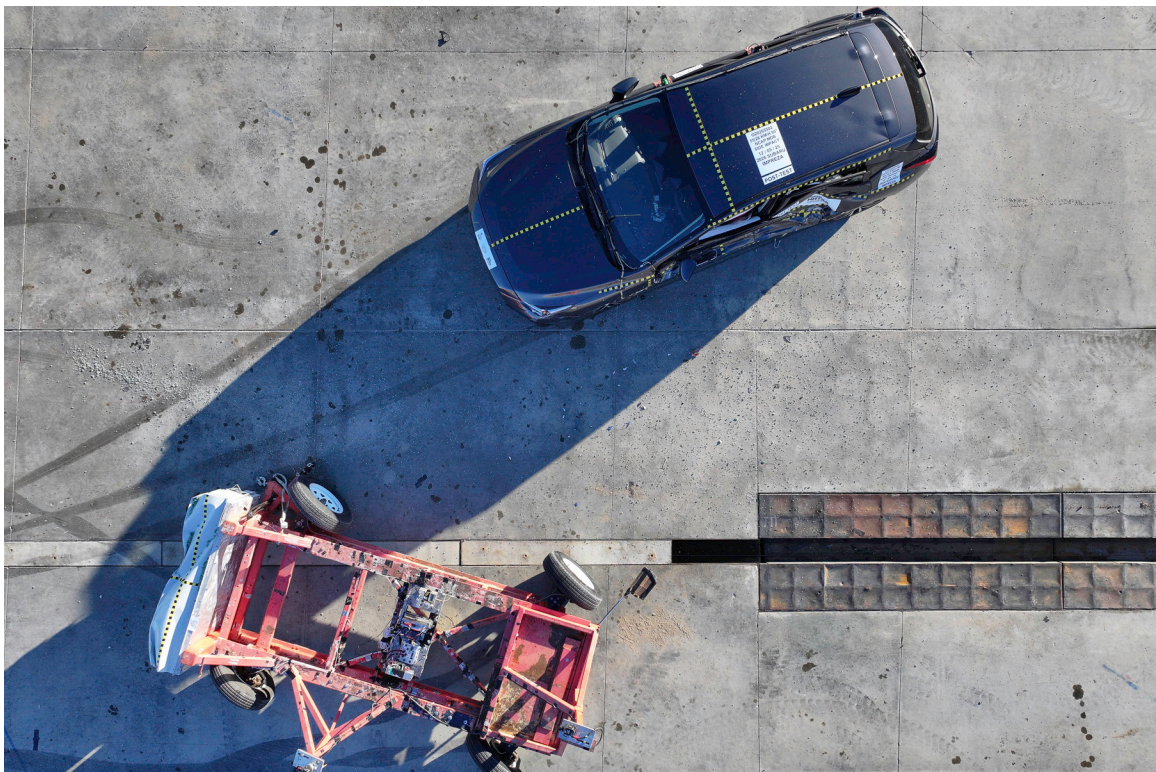


FIGURE 16. Post-Test Overhead View of Test Area



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



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



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



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



FIGURE 21. Pre-Test Left Front Door Latch Close-Up



FIGURE 22. Post-Test Left Front Door Latch Close-Up



FIGURE 23. Pre-Test Left Rear Door Latch Close-Up



FIGURE 24. Post-Test Left Rear Door Latch Close-Up



FIGURE 25. Pre-Test Front Close-Up View of Driver Dummy



FIGURE 26. Post-Test Front Close-Up View of Driver Dummy



FIGURE 27. Pre-Test Left Side View of Driver Dummy Showing Belt and Chalking



FIGURE 28. Pre-Test Left Side View of Driver Dummy Shoulder and Door Top View



FIGURE 29. Post-Test Left Side View of Driver Dummy Shoulder and Door Top View



FIGURE 30. Pre-Test Frontal View of Driver Seat Back Prior to Dummy Positioning



FIGURE 31. Pre-Test Frontal View of Driver Dummy Head and Shoulders in Relation to Head Restraint



FIGURE 32. Pre-Test Overhead View of Driver Seat Pan Prior to Dummy Positioning



FIGURE 33. Pre-Test Overhead View of Driver Dummy Thighs on Seat Pan



FIGURE 34. Pre-Test Placement of Driver Dummy's Feet



FIGURE 35. Pre-Test View of Belt Anchorage for Driver Dummy



FIGURE 36. Pre-Test Left Side View of Steering Wheel



FIGURE 37. View of Disengaged Parking Brake



FIGURE 38. Pre-Test View of Parking Brake



FIGURE 39. Pre-Test Close-Up Left Side View of Driver Seat Track



FIGURE 40. Pre-Test Close-Up Left Side View of Driver Seat Back



FIGURE 41. Pre-Test Close-Up View of Driver Seat Back or Head Restraint



FIGURE 42. Pre-Test Driver Dummy and Door Clearance View



FIGURE 43. Post-Test Driver Dummy and Door Clearance View



FIGURE 44. Pre-Test Right Side View of Driver Dummy and Front Seat of Occupant Compartment



FIGURE 45. Post-Test Right Side View of Driver Dummy and Front Seat of Occupant Compartment



FIGURE 46. Pre-Test Driver Inner Door Panel View



FIGURE 47. Post-Test Driver Inner Door Panel View



FIGURE 48. Post-Test Driver Dummy Close-Up Head Contact with Vehicle Interior View



FIGURE 49. Post-Test Driver Dummy Close-Up Head Contact with Side Air Bag View



FIGURE 49a. Post-Test Driver Dummy Head Contact With Headliner



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



FIGURE 51. Post-Test Driver Dummy Close-Up Torso Contact With Side Air Bag View



FIGURE 52. Post-Test Driver Dummy Close-Up Pelvis Contact With Vehicle Interior View



FIGURE 53. Post-Test Driver Dummy Close-Up Pelvis Contact With Side Air Bag View

Photograph Not Applicable

No Driver Dummy Close-Up Knee Contact

FIGURE 54. Post-Test Driver Dummy Close-Up Knee Contact View



FIGURE 55. Pre-Test Left Side View of Rear Passenger Dummy Showing Belt and Chalking



FIGURE 56. Pre-Test Left Side View of Rear Passenger Dummy Shoulder and Door Top View



FIGURE 57. Post-Test Left Side View of Rear Passenger Dummy Shoulder and Door Top View



FIGURE 58. Pre-Test Frontal View of Rear Passenger Seat Back Prior to Dummy Positioning



FIGURE 59. Pre-Test Frontal View of Rear Passenger Dummy Head and Shoulders in Relation to Head Restraint



FIGURE 60. Pre-Test Overhead View of Rear Passenger Seat Pan Prior to Dummy Positioning



FIGURE 61. Pre-Test Overhead View of Rear Passenger Dummy Thighs on Seat Pan



FIGURE 62. Pre-Test View of Rear Passenger Dummy's Neck Showing Position of Adjustable Neck Bracket

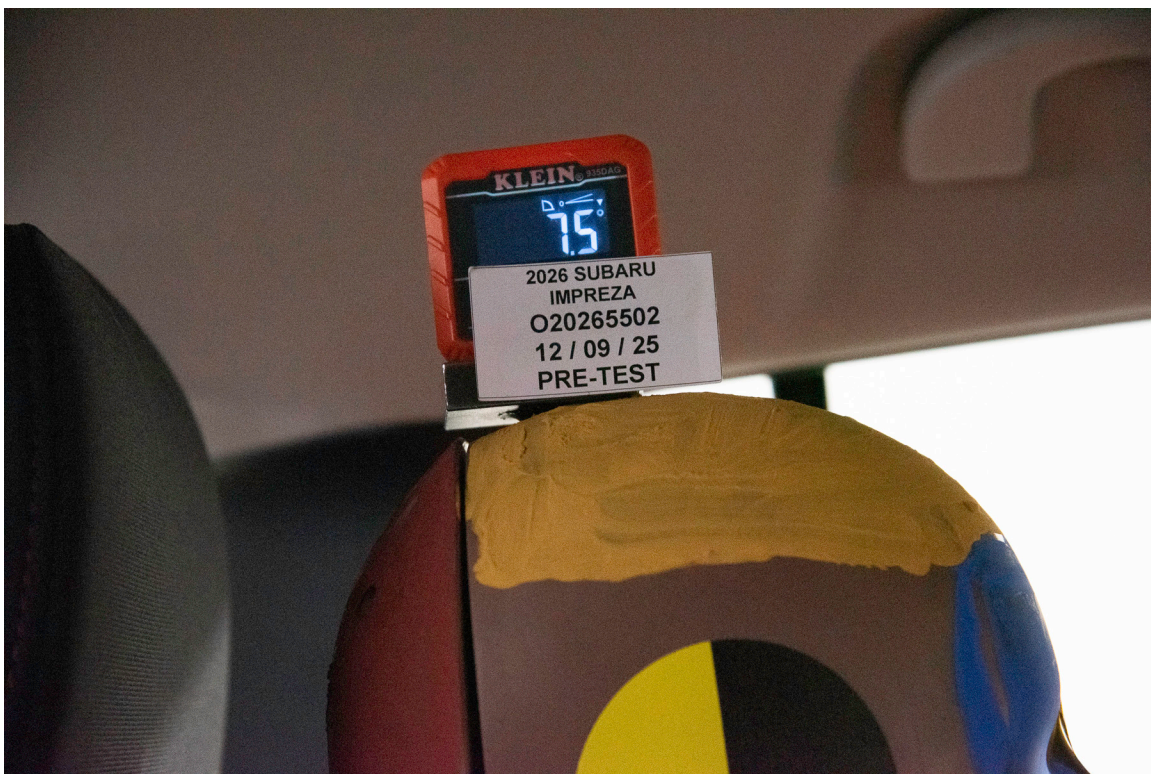


FIGURE 63. Pre-Test View of Rear Passenger Dummy's Head Showing Dummy's Head is Level



FIGURE 64. Pre-Test Placement of Rear Passenger Dummy's Feet



FIGURE 65. Pre-Test View of Belt Anchorage for Rear Passenger Dummy



FIGURE 66. Pre-Test Close-Up Left Side View of Rear Passenger Seat Track



FIGURE 67. Pre-Test Close-Up Left Side View of Rear Passenger Seat Back



FIGURE 68. Pre-Test Close-Up View of Rear Passenger Seat Back or Head Restraint



FIGURE 69. Pre-Test Rear Passenger Dummy and Door Clearance View



FIGURE 70. Post-Test Rear Passenger Dummy and Door Clearance View



FIGURE 71. Pre-Test Right Side View of Rear Passenger Dummy and Rear Seat Occupant Compartment



FIGURE 72. Post-Test Right Side View of Rear Passenger Dummy and Rear Seat Occupant Compartment



FIGURE 73. Pre-Test Rear Passenger Inner Door Panel View



FIGURE 74. Post-Test Rear Passenger Inner Door Panel View



FIGURE 75. Post-Test Rear Passenger Dummy Close-Up Head Contact with Vehicle Interior View



FIGURE 76. Post-Test Rear Passenger Dummy Close-Up Head Contact with Side Air Bag View



FIGURE 77. Post-Test Rear Passenger Dummy Close-Up Torso Contact with Vehicle Interior View



FIGURE 78. Post-Test Rear Passenger Dummy Close-Up Torso Contact with Vehicle Side Air Bag View



FIGURE 79. Post-Test Rear Passenger Dummy Close-Up Pelvis Contact with Vehicle Interior View

Photograph Not Applicable

No Pelvis Contact With Side Air Bag

FIGURE 80. Post-Test Rear Passenger Dummy Close-Up Pelvis Contact with Side Air Bag View



FIGURE 81. Post-Test Rear Passenger Dummy Close-Up Knee Contact View



FIGURE 82. Pre-Test View of Fuel Filler Cap or Fuel Filler Neck



FIGURE 83. Post-Test View of Fuel Filler Cap or Fuel Filler Neck



FIGURE 84. Pre-Test Front View of MDB Impactor Face



FIGURE 85. Post-Test Front View of MDB Impactor Face



FIGURE 86. Pre-Test Top View of MDB Impactor Face



FIGURE 87. Post-Test Top View of MDB Impactor Face



FIGURE 88. Pre-Test Left Side View of MDB Impactor Face



FIGURE 89. Post-Test Left Side View of MDB Impactor Face



FIGURE 90. Pre-Test Right Side View of MDB Impactor Face



FIGURE 91. Post-Test Right Side View of MDB Impactor Face

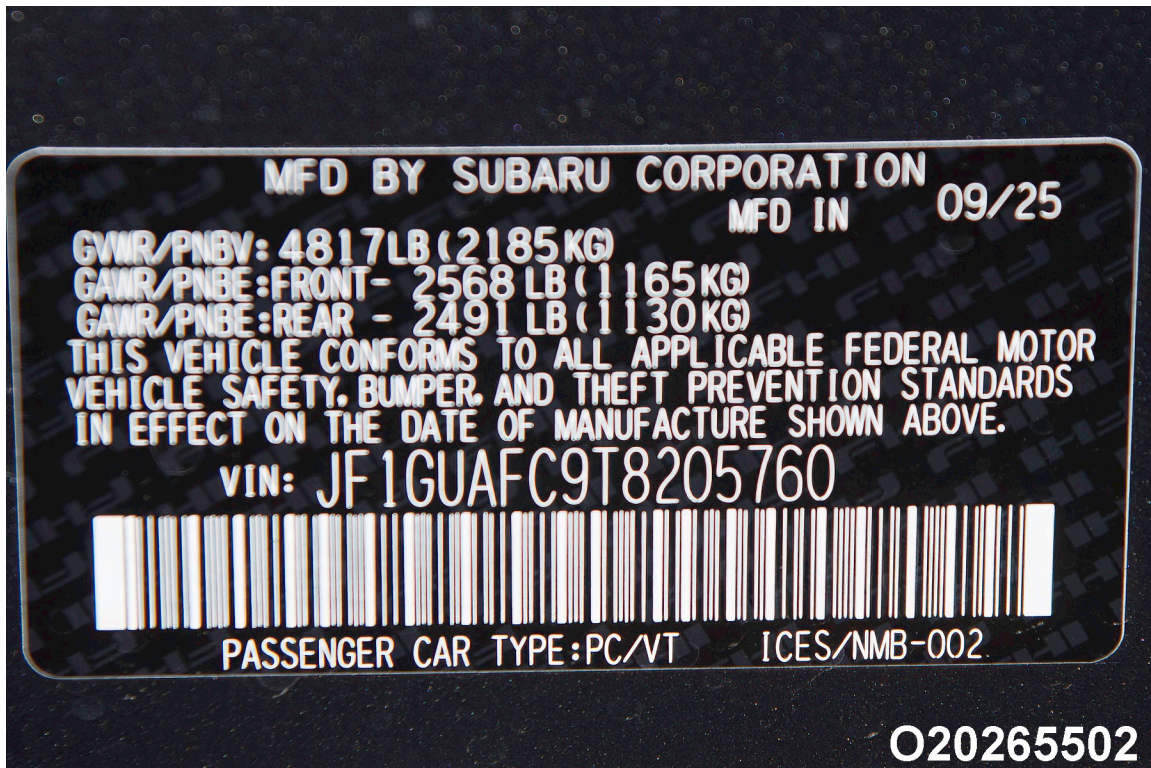


FIGURE 92. Close-Up View of Vehicle's Certification Label



FIGURE 93. Close-Up View of Vehicle's Tire Information Placard or Label

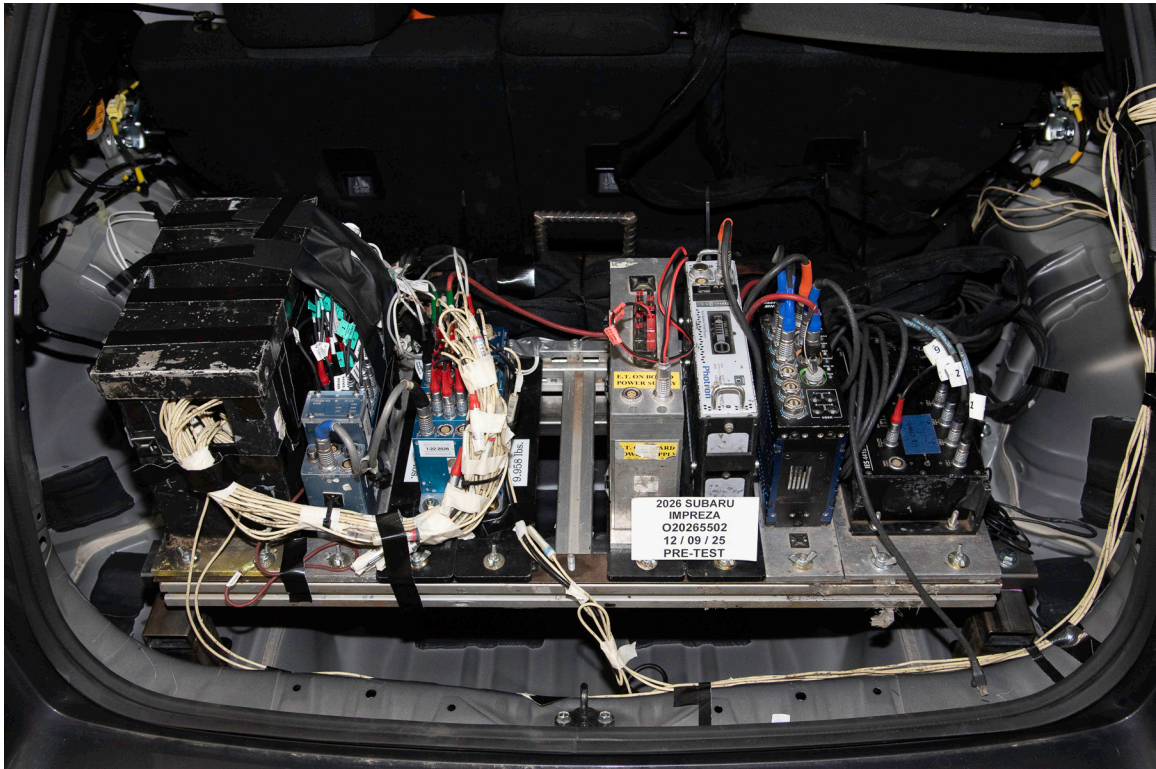


FIGURE 94. Pre-Test Ballast View



FIGURE 95. Post-Test Primary and Redundant Speed Trap Read-Out



FIGURE 96. FMVSS No. 301 Static Rollover 0 Degrees

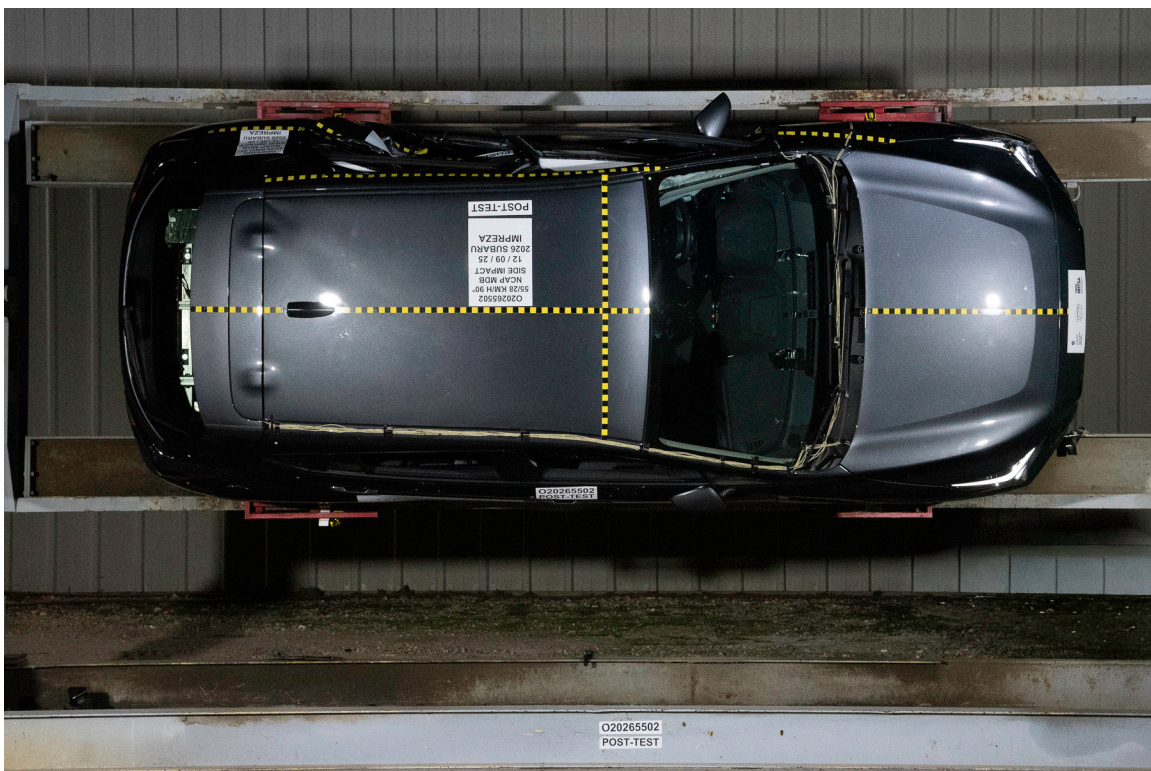


FIGURE 97. FMVSS No. 301 Static Rollover 90 Degrees

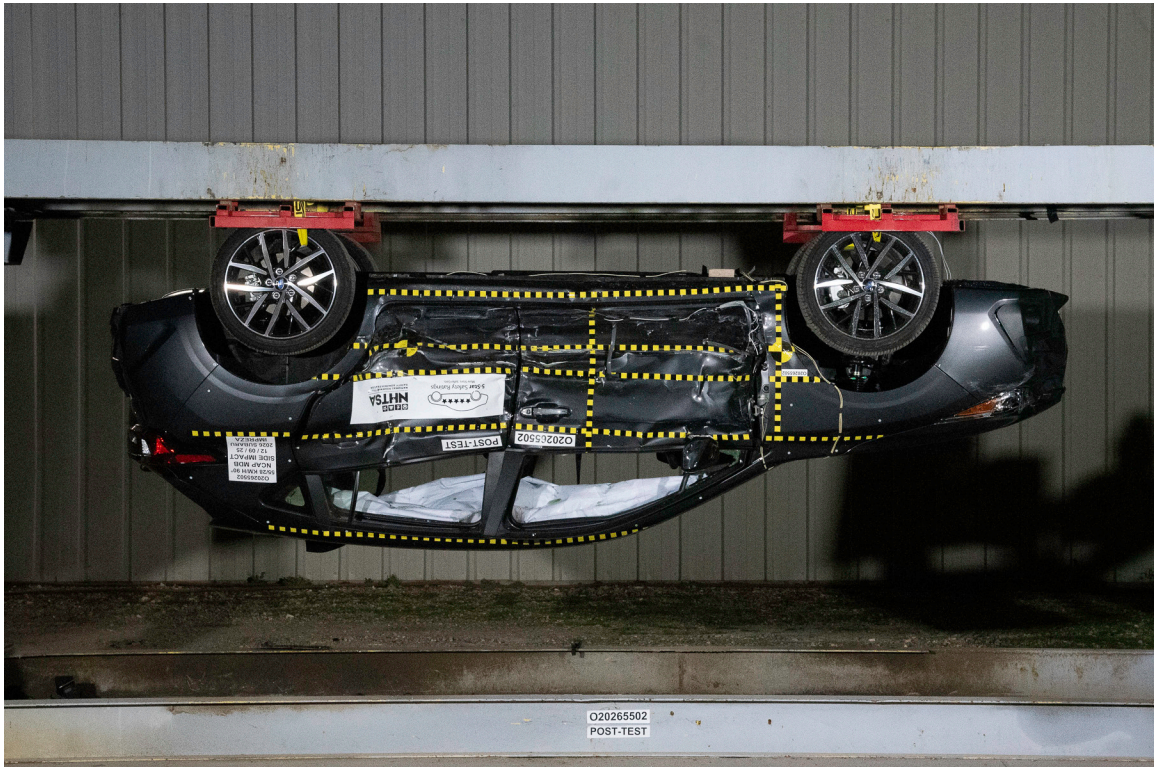


FIGURE 98. FMVSS No. 301 Static Rollover 180 Degrees

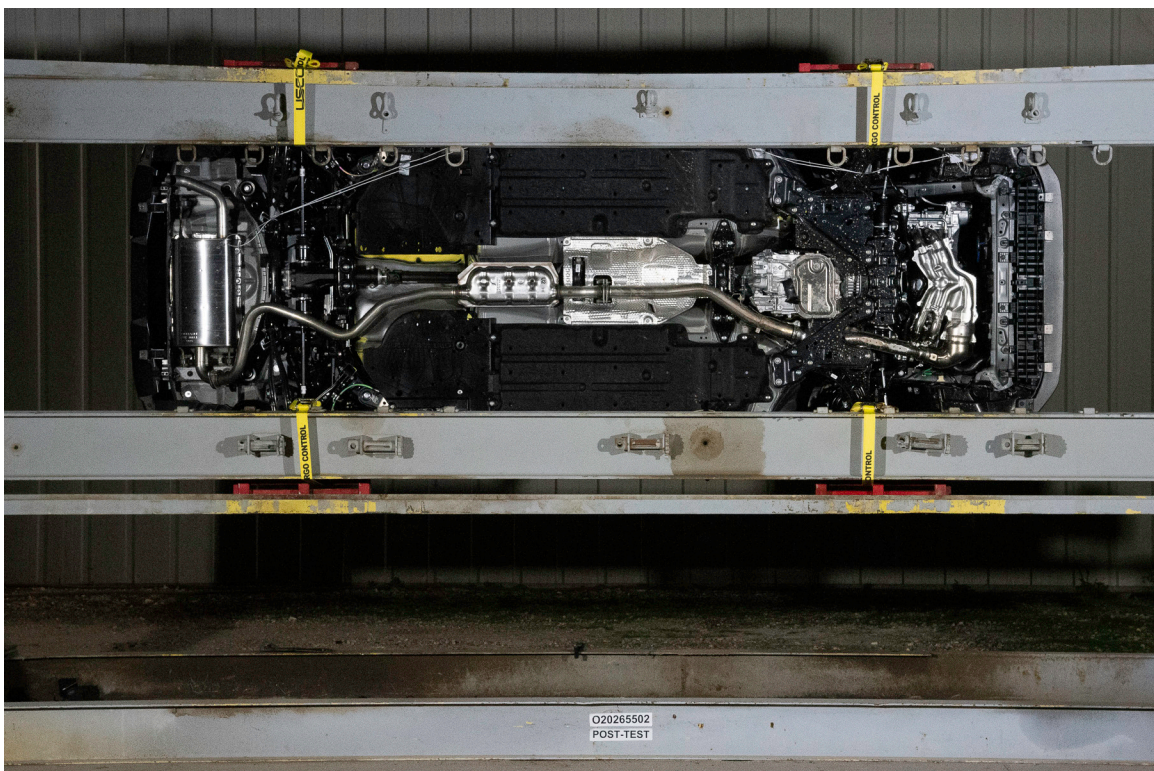


FIGURE 99. FMVSS No. 301 Static Rollover 270 Degrees

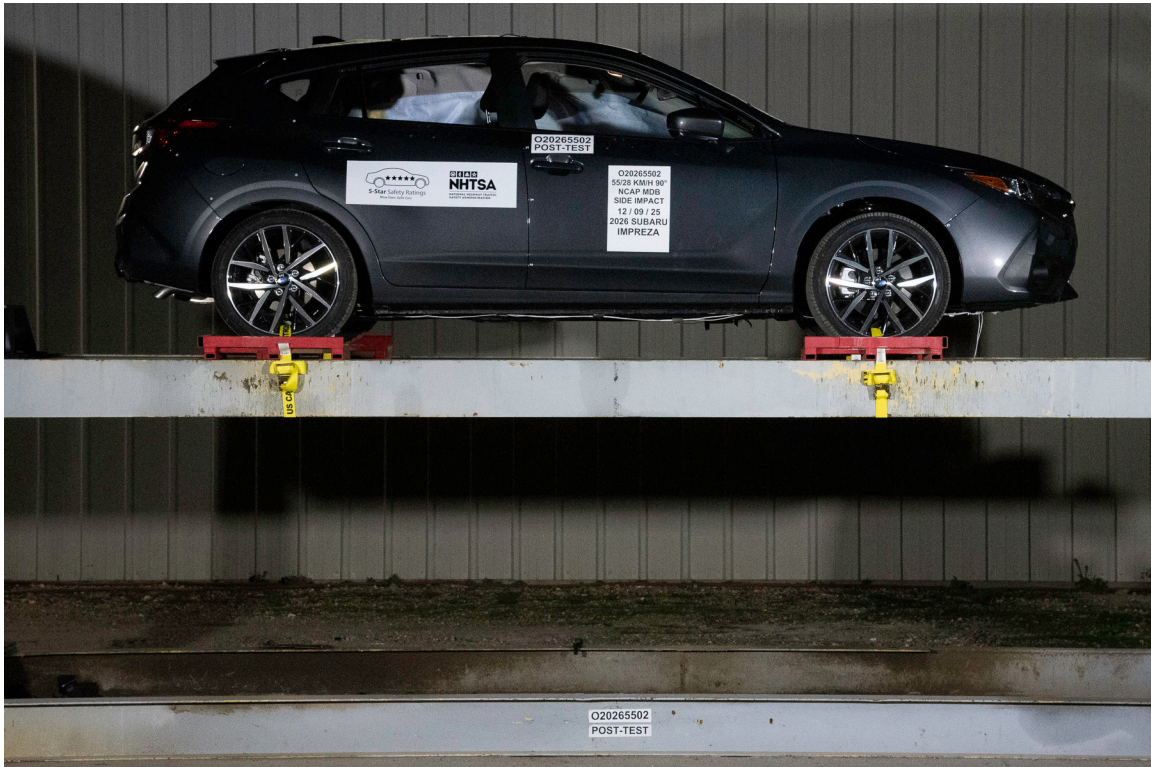


FIGURE 100. FMVSS No. 301 Static Rollover 360 Degrees



FIGURE 101. Impact Event

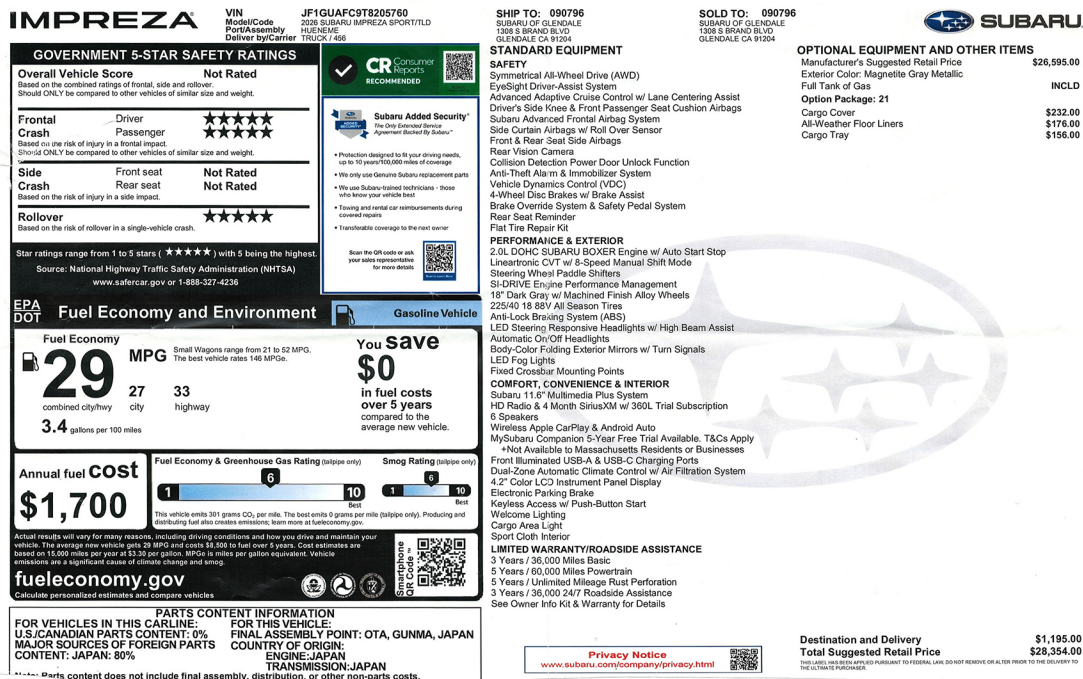
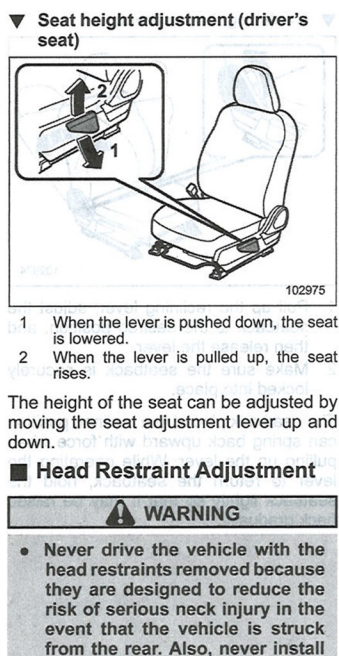


FIGURE 102. Monroney Label

32 Front Seats



the head restraints backwards. Doing so will prevent the head restraints from functioning as intended. Therefore, when the head restraints are removed, all head restraints must be reinstalled properly to protect vehicle occupants.

- 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.
- The front seat head restraints are designed to be installed into the front seats only. The rear seat head restraints are designed to be installed into the rear seats only. Do not attempt to install the front seat head restraints into the rear seats, or the rear seat head restraints into the front seats.

Both the driver's seat and front passenger's seat are equipped with head restraints. Both head restraints are adjustable in the following ways.

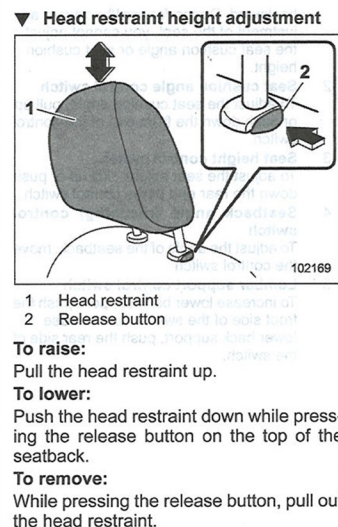
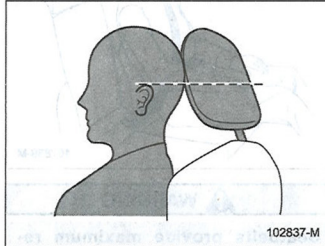


FIGURE 103. Driver Head Restraint Use and Adjustment Information from Vehicle Owner's Manual

To install:

Install the head restraint into the holes that are located on the top of the seatback until the head restraint locks. Press and hold the release button to lower the head restraint.



Each head restraint should be adjusted so that the center of the head restraint is closest to the top of the occupant's ears.

NOTE

It is not possible to remove or install the head restraint without reclining the front seatback. Reclining the front seatback and then remove or install the head restraint.

1-2. Seat Heater (If Equipped)

The seat heater is equipped in the front seats.

The seat heater operates when the ignition switch is either in the "ACC" or "ON" position.

CAUTION

- Do not put hard or heavy objects or ones with protrusions on the seat, and do not stab the seat with sharp objects, such as pins or needles.
- People with delicate skin may suffer slight burns even at low temperatures if they use the seat heater for a long period of time. When using the heater, always be sure to warn the persons concerned.
- Do not put anything on the seat which insulates against heat, such as a blanket, cushion, or similar items. This may cause the seat heater to overheat.
- When the seat is warmed enough or before you leave the vehicle, be sure to turn off the seat heater.

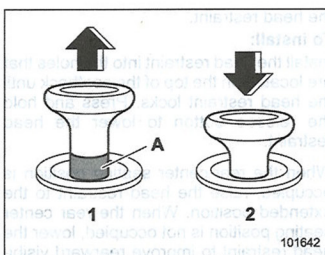
NOTE

Use of the seat heater for a long period of time while the engine is not running can cause battery discharge.

1
Seat, Seatbelt and SRS Airbags

- CONTINUED -

FIGURE 103a. Driver Head Restraint Use and Adjustment Information from Vehicle Owner's Manual

**Lock release knob**

1 Unlocked

2 Locked

A Unlocking marker in red

To return the seatback to its original position, raise the seatback until it locks into place and make sure that the unlocking marker on the lock release knob is no longer visible.

WARNING

When you return the seatback to its original position, check that the unlocking marker on the lock release knob is not visible. Also, shake the seatback slightly to confirm that it is securely fixed in place. If the seatback is not securely fixed in place, the seatback may suddenly

fold down in the event of sudden braking, or objects may move out from the cargo area, which could cause serious injury or death.

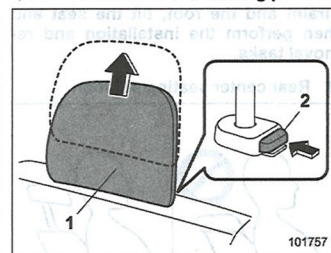
Head Restraint Adjustment

Both the rear window side seats and the rear center seat are equipped with head restraints.

WARNING

- Never drive the vehicle with the head restraints removed because they are designed to reduce the risk of serious neck injury in the event that the vehicle is struck from the rear. Therefore, when the head restraints are removed, all head restraints must be re-installed properly to protect vehicle occupants.
- 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.
- The front seat head restraints are designed to be installed into the

front seats only. The rear seat head restraints are designed to be installed into the rear seats only. Do not attempt to install the front seat head restraints into the rear seats, or the rear seat head restraints into the front seats.

▼ Rear windows side seating position

- 1 Head restraint
2 Release button

To remove:

While pressing the release button, pull out the head restraint.

To install:

Install the head restraint into the holes that are located on the top of the seatback until the head restraint locks. Press and hold

1
Seat, Seatbelt and SRS Airbags

- CONTINUED -

FIGURE 104. Left Rear Passenger Head Restraint Use and Adjustment Information from Vehicle Owner's Manual

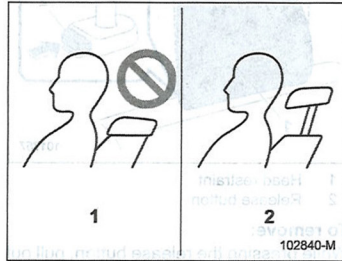
the release button to lower the head restraint.

After installing the head restraint, make sure it is securely locked.

NOTE

When the head restraint cannot be pulled out or installed due to insufficient clearance between the head restraint and the roof, tilt the seat and then perform the installation and removal tasks.

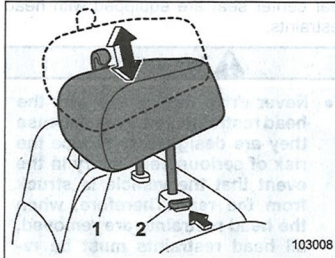
▼ Rear center seating position



- 1 Incorrect (retracted position)
- 2 Correct (extended position)

⚠ CAUTION

The head restraint is not intended to be used in the retracted position. Before sitting on the seat, raise the head restraint to the extended position.



- 1 Head restraint
- 2 Release button

To raise:

Pull the head restraint up.

To lower:

Push the head restraint down while pressing the release button on the top of the seatback.

To remove:

While pressing the release button, pull out

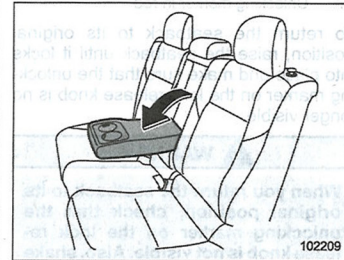
the head restraint.

To install:

Install the head restraint into the holes that are located on the top of the seatback until the head restraint locks. Press and hold the release button to lower the head restraint.

When the rear-center seating position is occupied, raise the head restraint to the extended position. When the rear center seating position is not occupied, lower the head restraint to improve rearward visibility.

■ Armrest (If Equipped)



To lower the armrest, pull the armrest's top edge.

FIGURE 104a. Left Rear Passenger Head Restraint Use and Adjustment Information from Vehicle Owner's Manual

APPENDIX B
VEHICLE AND DUMMY RESPONSE DATA PLOTS

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29	Passenger Lower Abdomen Rib Deflection (Y) vs. Time	B-9

The following additional data for this test can be obtained from the Research and Development section of the NHTSA website (www.NHTSA.gov)

Additional Driver & Passenger Dummy Instrumentation Data

Driver Lower Spine T12 Acceleration (X)
Driver Lower Spine T12 Acceleration (Y)
Driver Lower Spine T12 Acceleration (Z)
Driver Head Acceleration Redundant (X)
Driver Head Acceleration Redundant (Y)
Driver Head Acceleration Redundant (Z)
Passenger Head Acceleration Redundant (X)
Passenger Head Acceleration Redundant (Y)
Passenger Head Acceleration Redundant (Z)
Passenger Upper Thorax Rib Deflection (Y)
Passenger Middle Thorax Rib Deflection (Y)
Passenger Lower Thorax Rib Deflection (Y)
Passenger Upper Abdomen Rib Deflection (Y)
Passenger 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)
Right Side Sill at Front Seat Acceleration (X)
Right Side Sill at Front Seat Acceleration (Y)
Right Side Sill at Front Seat Acceleration (Z)
Right Side Sill at Rear Seat Acceleration (X)
Right Side Sill at Rear Seat Acceleration (Y)
Right Side Sill at Rear Seat Acceleration (Z)
Left Side Sill at Front Seat Acceleration (Y)
Left Side Sill at Rear Seat Acceleration (Y)
Lower A-Post Acceleration (Y)
Middle A-Post Acceleration (Y)
Lower B-Post Acceleration (Y)
Middle B-Post Acceleration (Y)
Front Seat Track Acceleration (Y)
Rear Seat Structure Acceleration (Y)
Right Rear Occupant Compartment Acceleration (Y)

Engine Block (X)

Engine Block (Y)

Rear Floorpan Above Axle Acceleration (X)

Rear Floorpan Above Axle Acceleration (Y)

Rear Floorpan Above Axle Acceleration (Z)

MDB Instrumentation Data

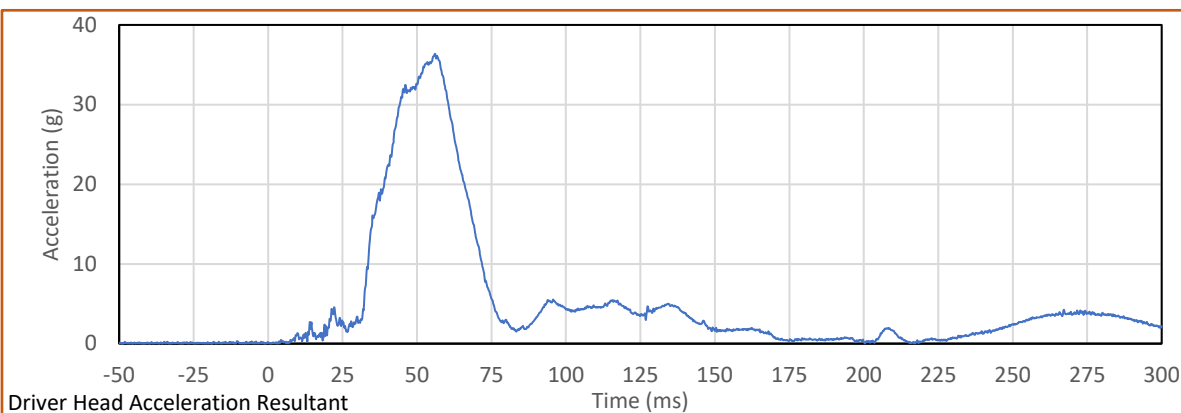
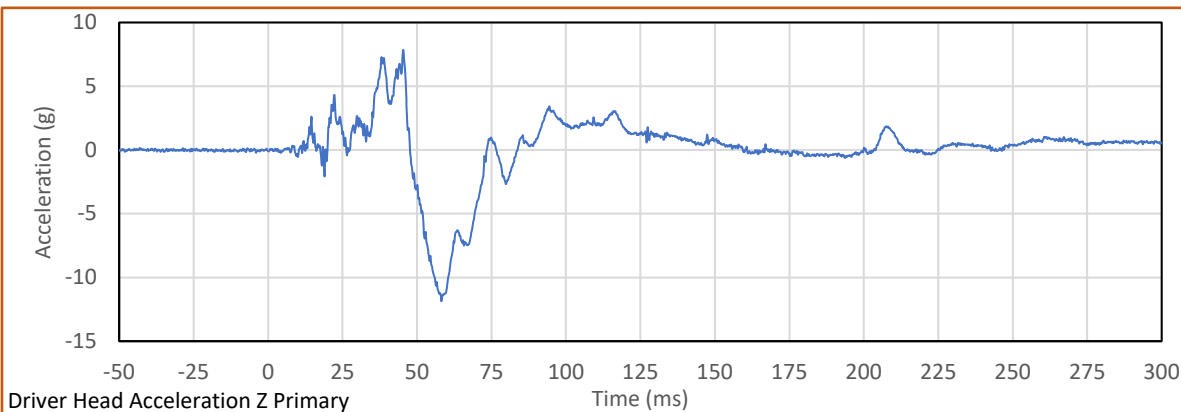
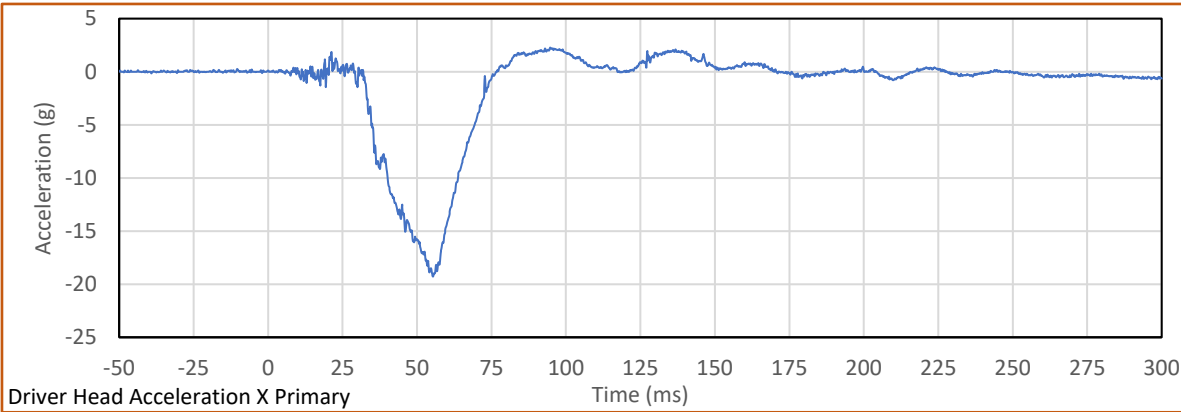
MDB Center of Gravity Acceleration (X)

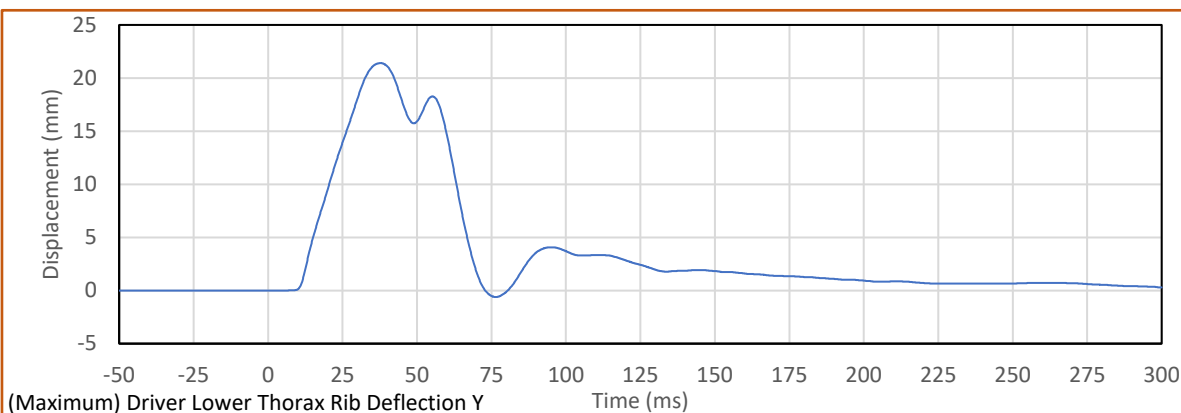
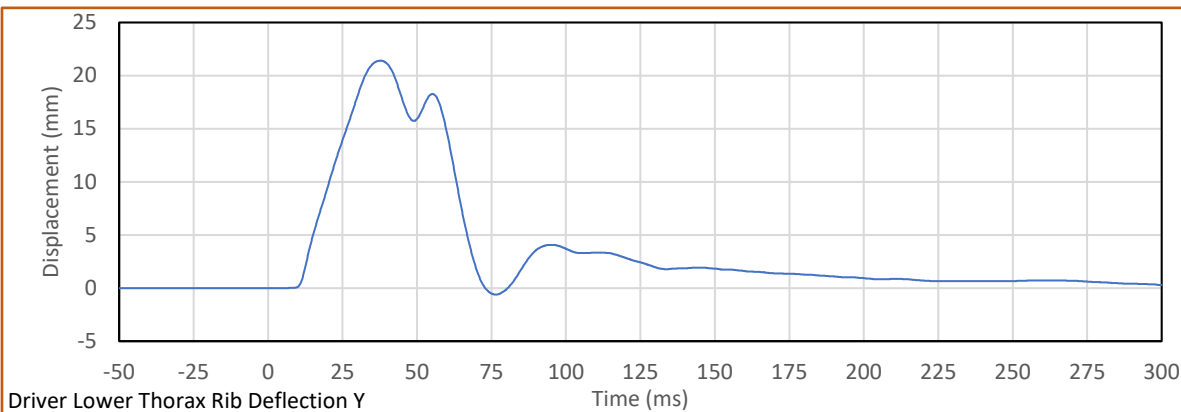
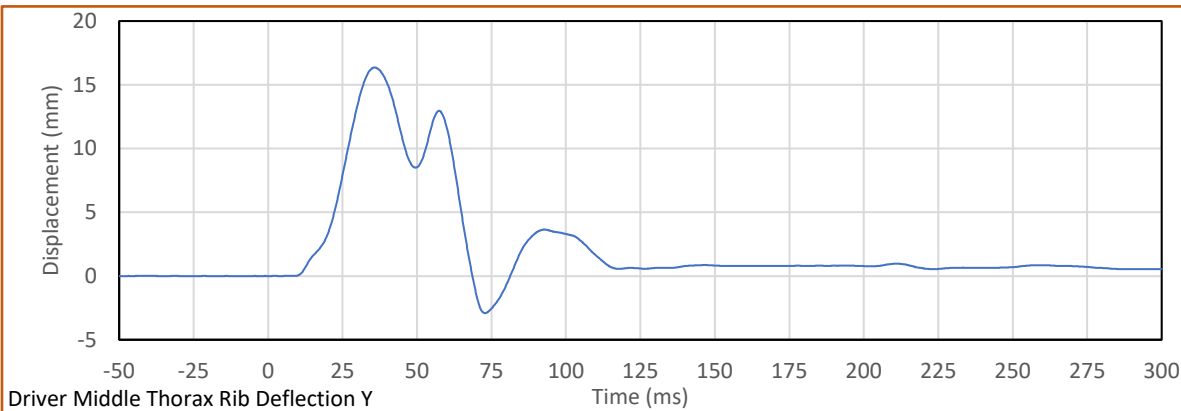
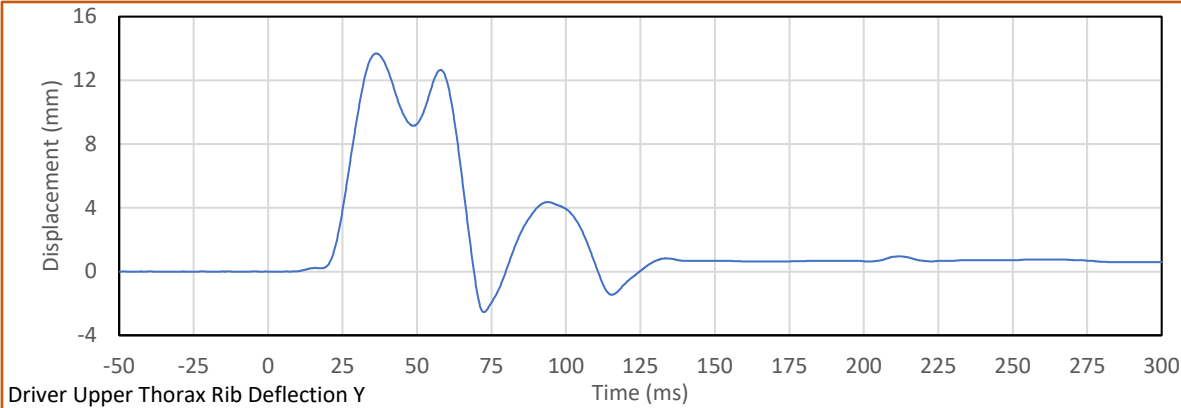
MDB Center of Gravity Acceleration (Y)

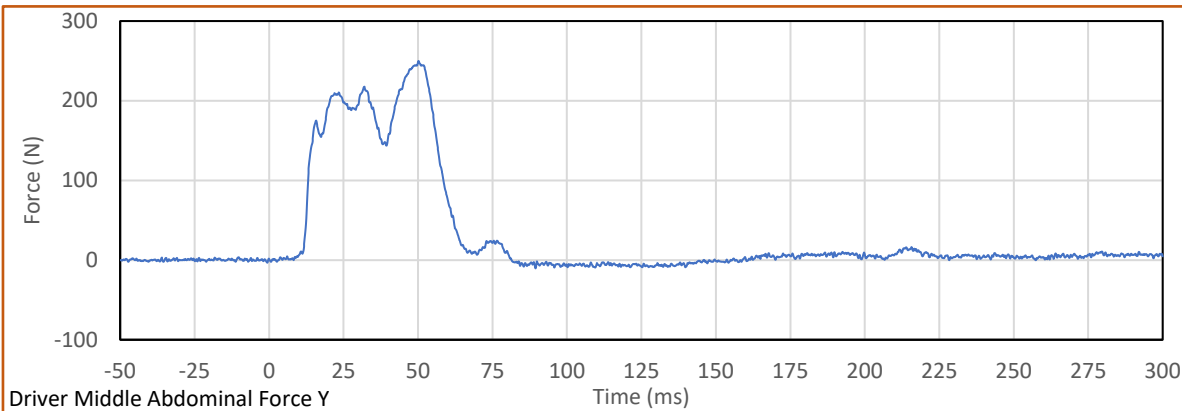
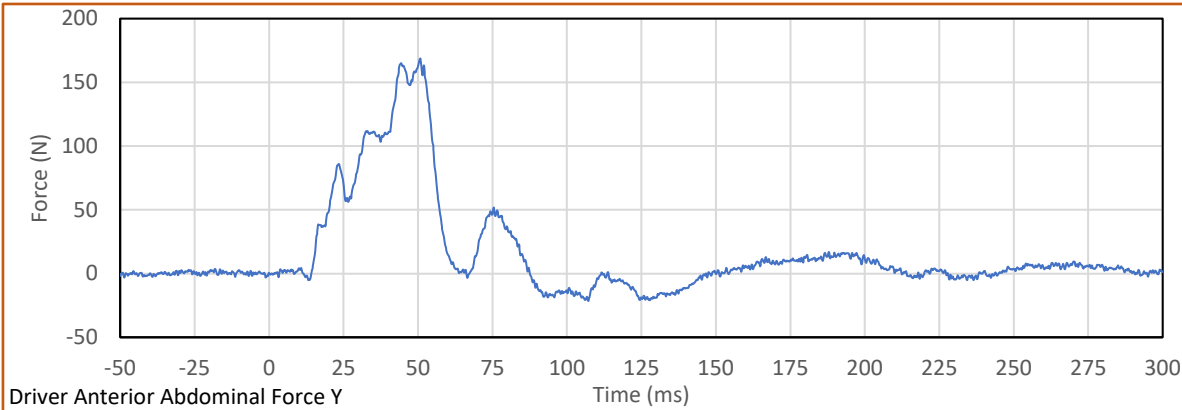
MDB Center of Gravity Acceleration (Z)

MDB Rear Acceleration (X)

MDB Rear Acceleration (Y)

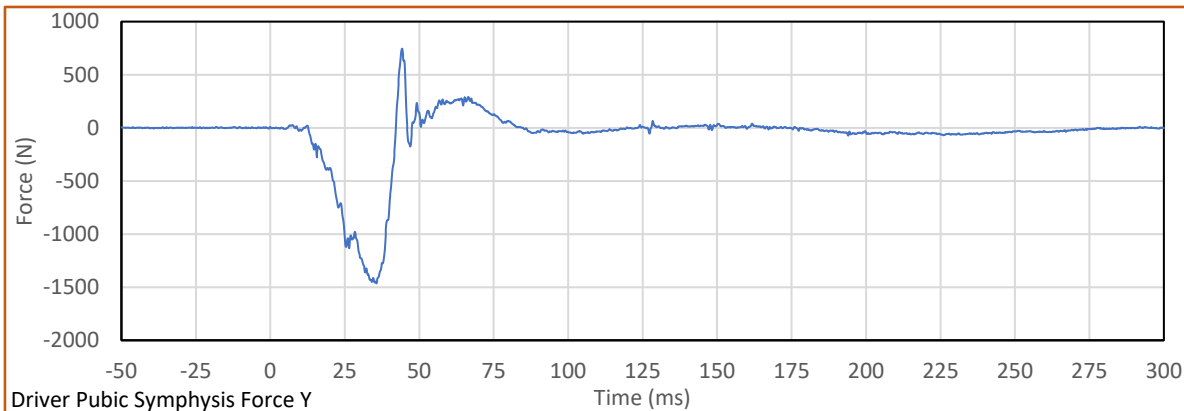






Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback
Test Program: NCAP MDB Side Impact Test

NHTSA No.: O20265502
Test Date: 12/9/2025

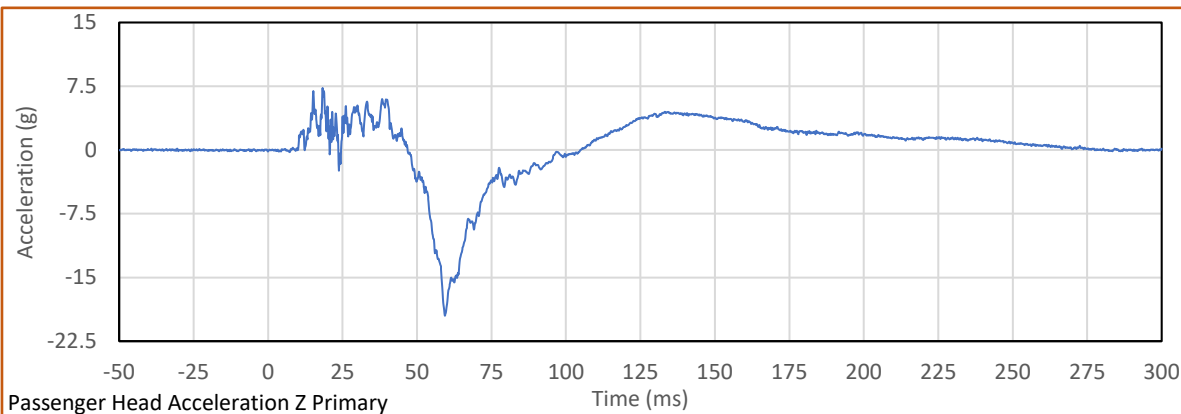
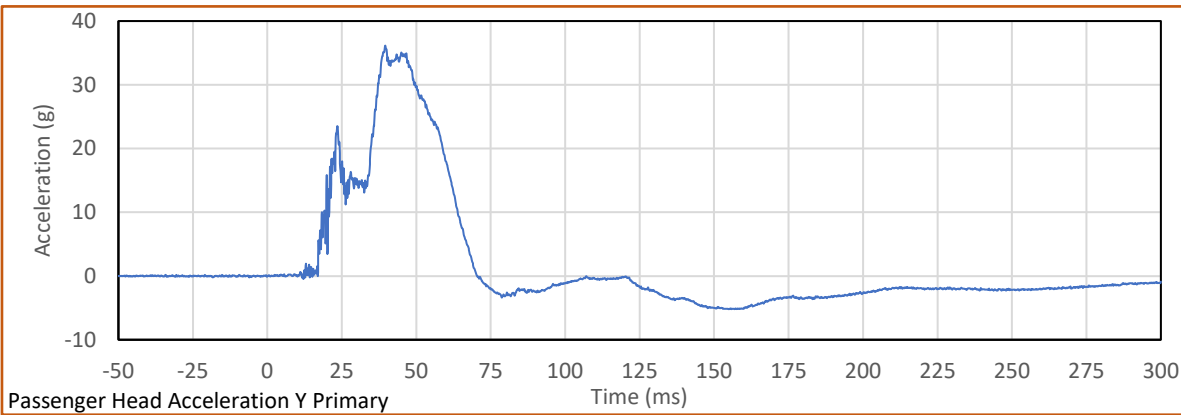
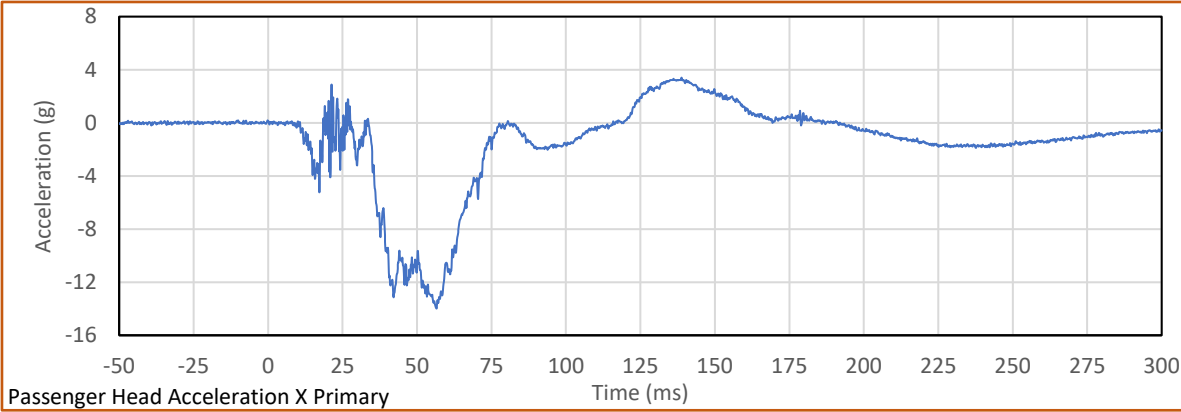


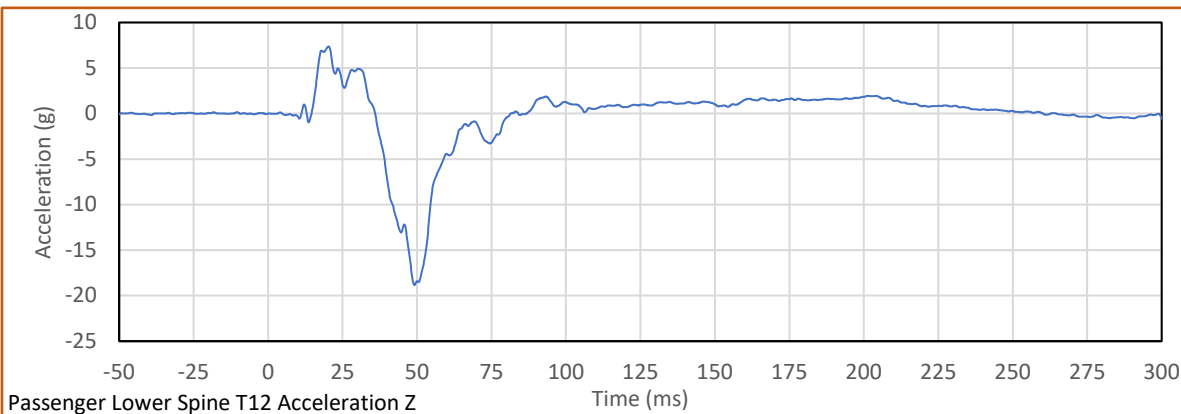
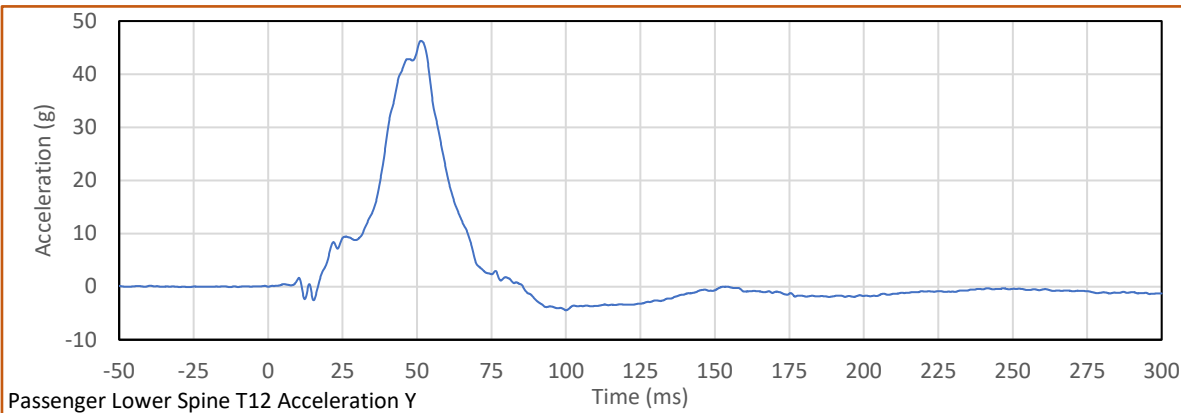
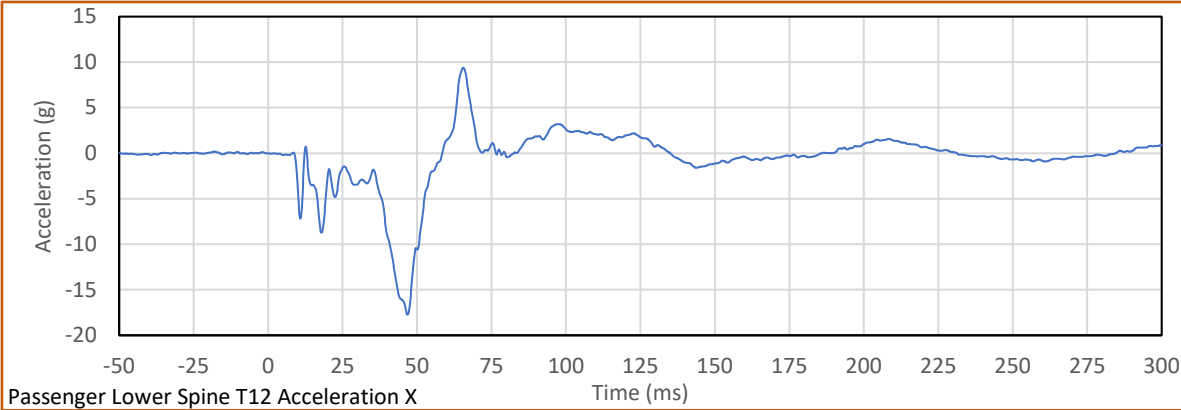
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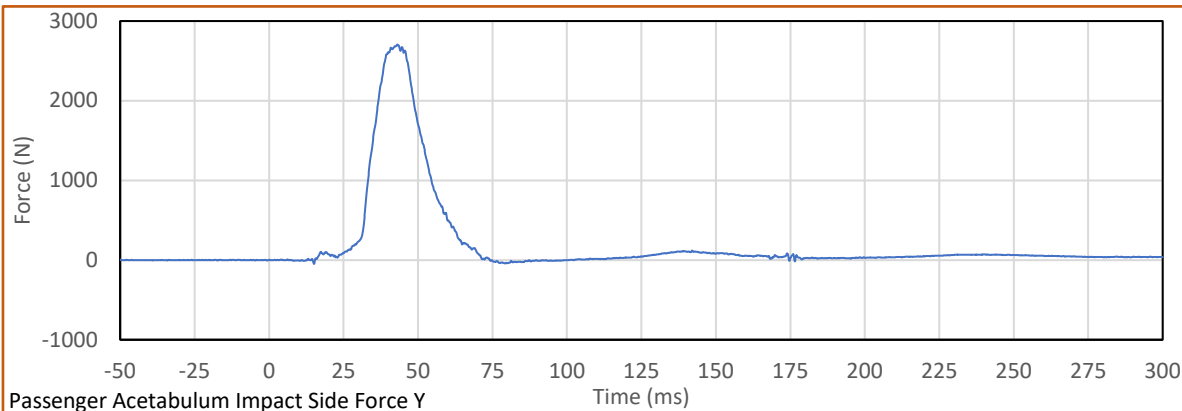
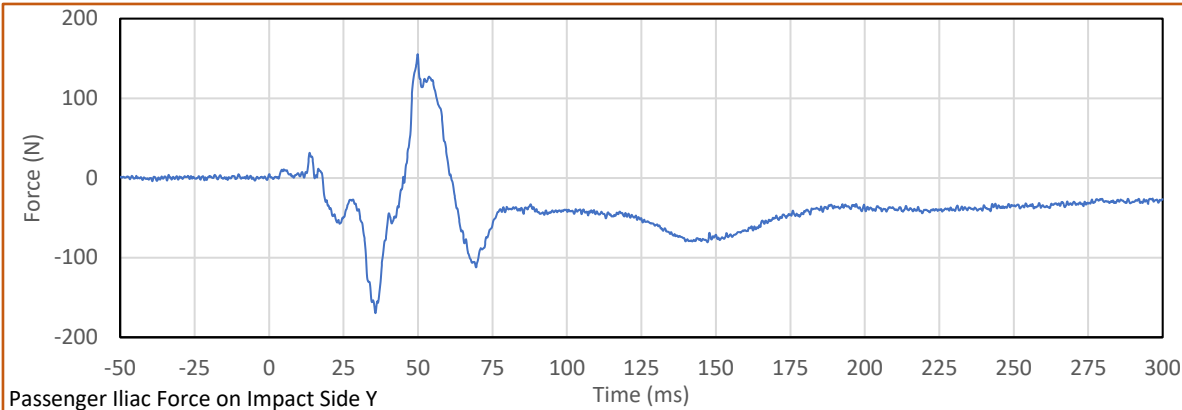
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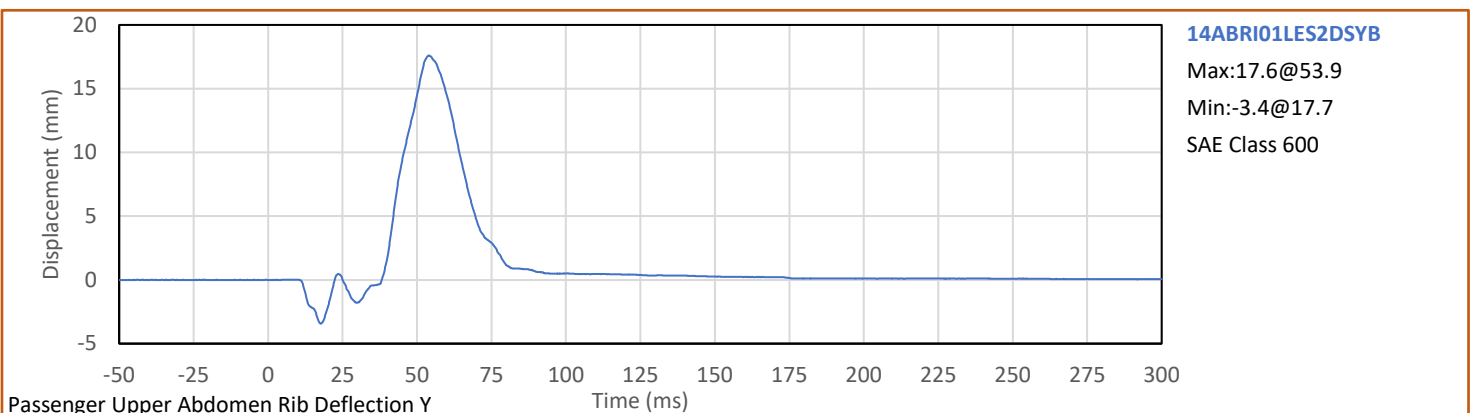
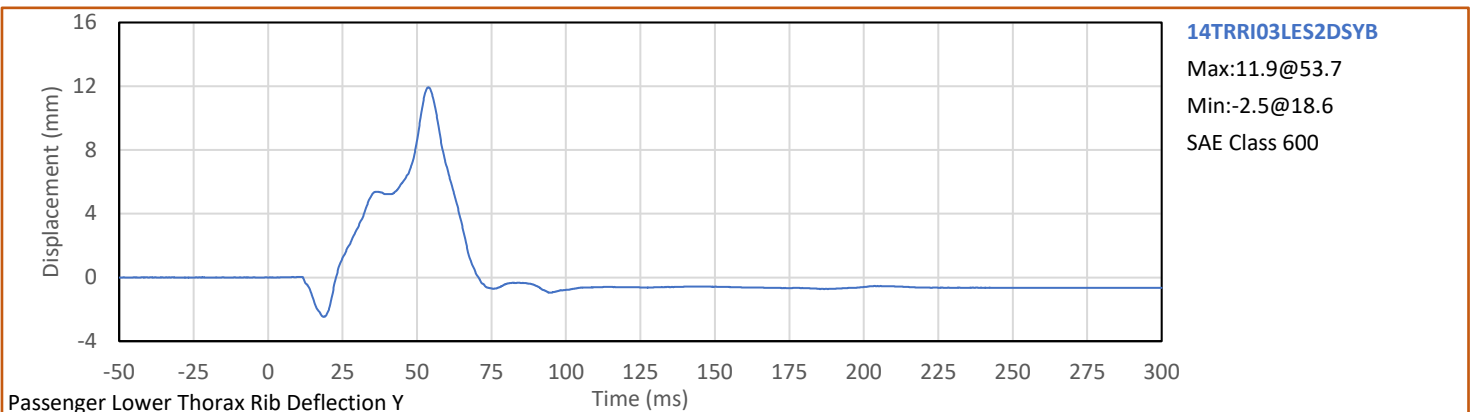
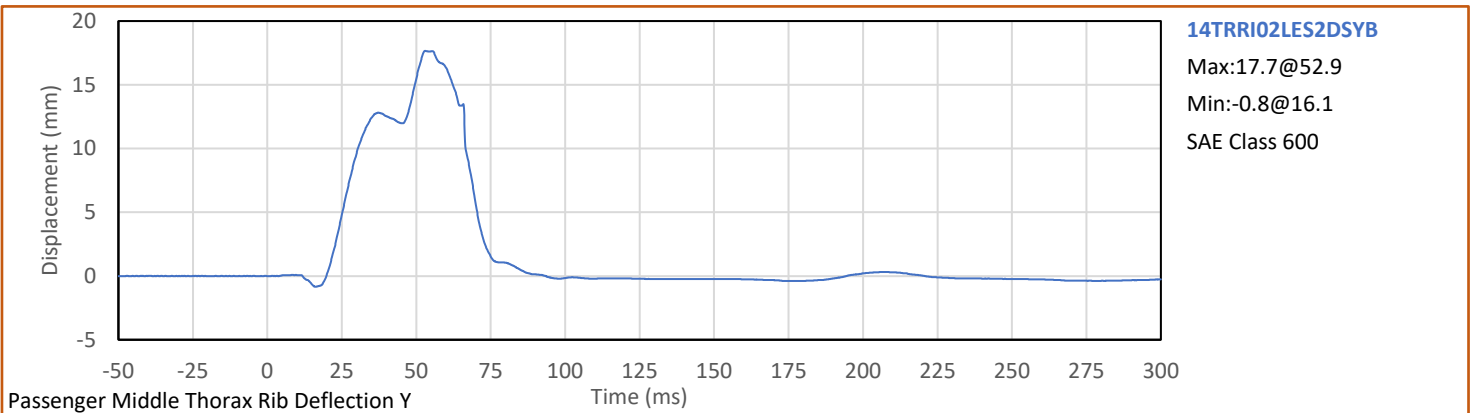
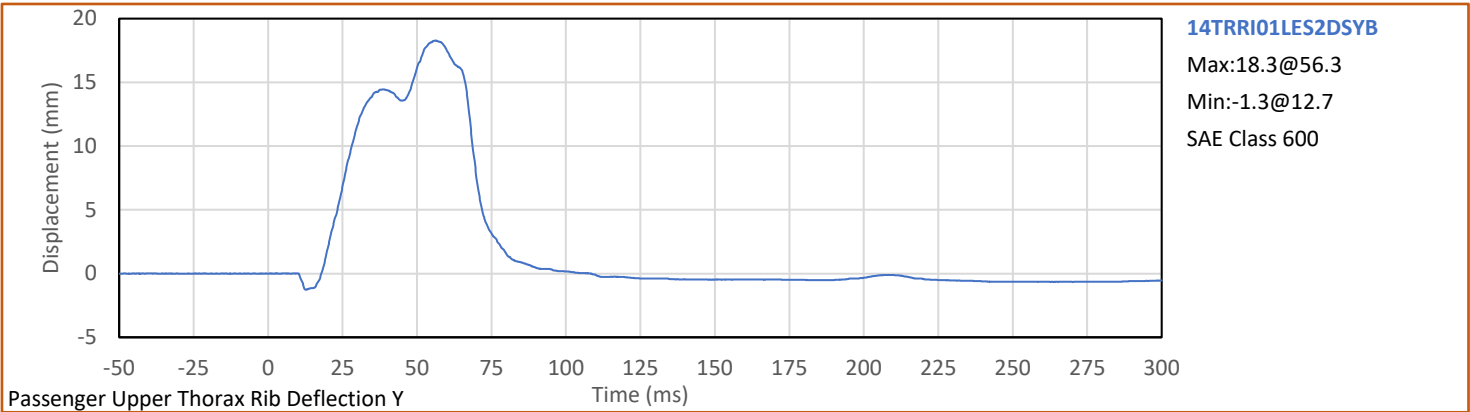
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SAE Class 600



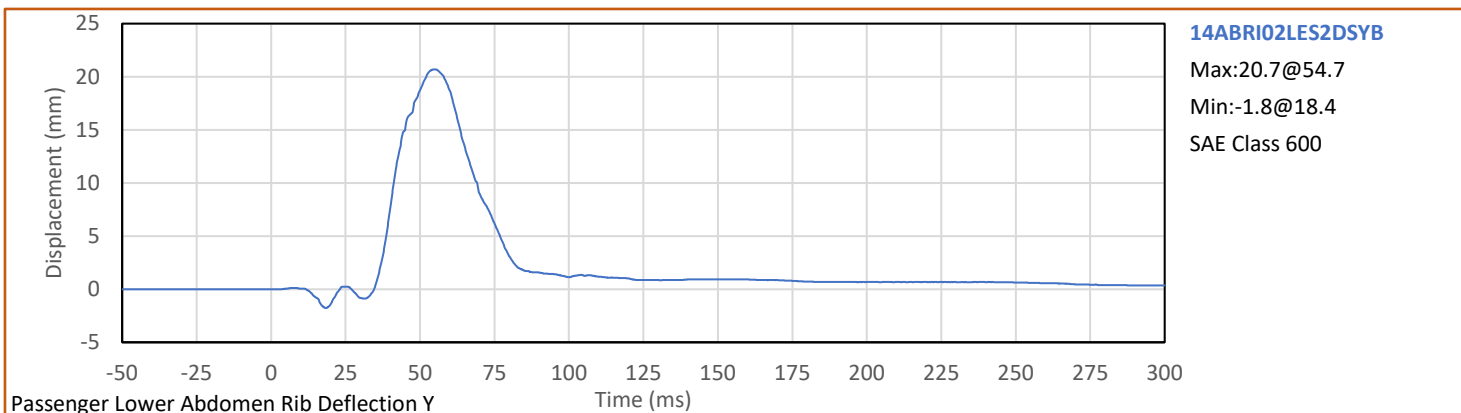






Test Vehicle: 2026 Subaru Impreza 5-Door Hatchback
Test Program: NCAP MDB Side Impact Test

NHTSA No.: O20265502
Test Date: 12/9/2025



APPENDIX C
ATD CONFIGURATION AND PERFORMANCE VERIFICATION DATA

APPENDIX C

**Pre-Test ATD Qualification and Performance Verification
ES-2re 50th Male Side Impact ATD, Left Side Configuration
S/N: F037**

ATD Serial No.: F037

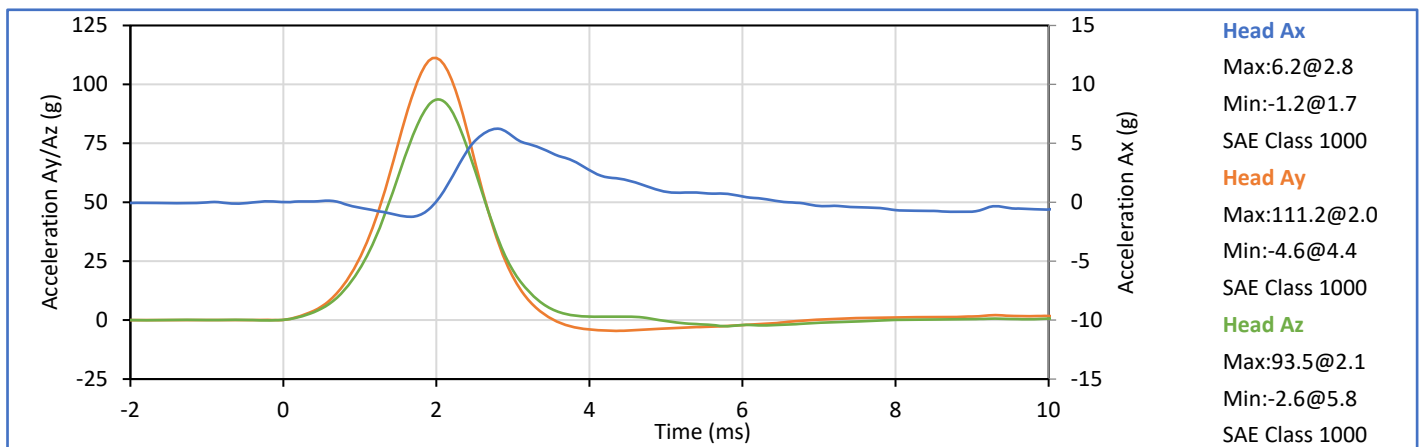
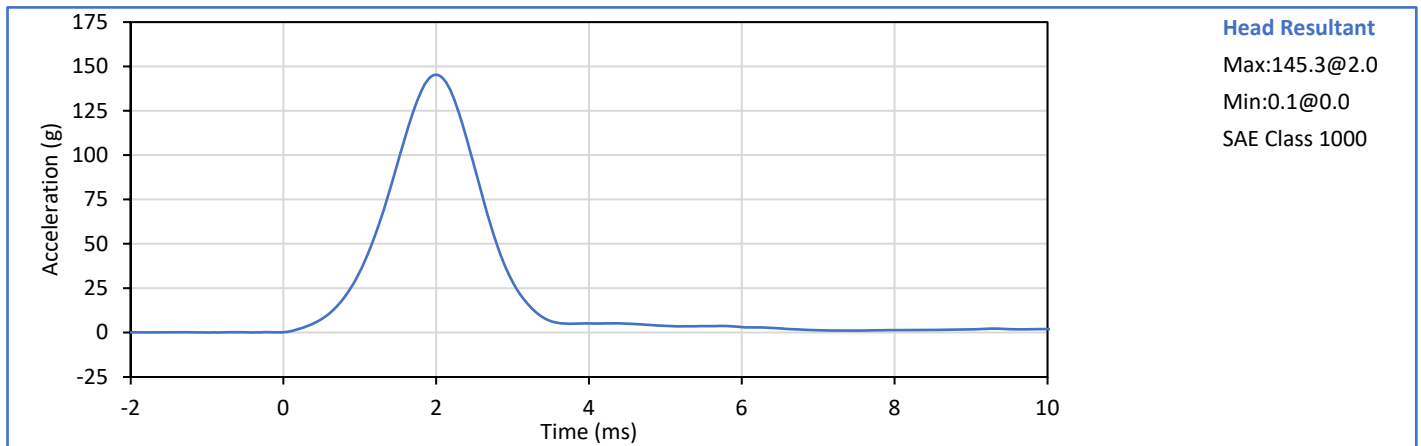
Test Date: 2025-10-17

Tested Parameter	Units	Spec Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
1 - Sitting Height	mm	900	918	905	Pass
2 - Seat to Shoulder Joint	mm	558	572	568	Pass
3 - Seat to Lower Face of Thoracic Spine Box	mm	346	356	350	Pass
4 - Seat to Hip Joint (bolt center)	mm	97	103	100	Pass
5 - Sole to Seat, Sitting	mm	433	451	442	Pass
6 - Head Width	mm	152	158	156	Pass
7 - Shoulder/Arm Width	mm	461	479	476	Pass
8 - Thorax Width	mm	322	332	329	Pass
9 - Abdomen Width	mm	273	287	281	Pass
10 - Pelvis Lap Width	mm	359	373	365	Pass
11 - Head Depth	mm	196	206	202	Pass
12 - Thorax Depth	mm	262	272	270	Pass
13 - Abdomen Depth	mm	194	204	199	Pass
14 - Pelvis Depth	mm	235	245	243	Pass
15 - Back of Buttocks to Hip Joint (bolt Center)	mm	150	160	155	Pass
16 - Back of Buttocks to Front Knee	mm	597	615	610	Pass
				Overall Test Results	Pass

Technician: A. Ponce

Approved By: J. Hernandez

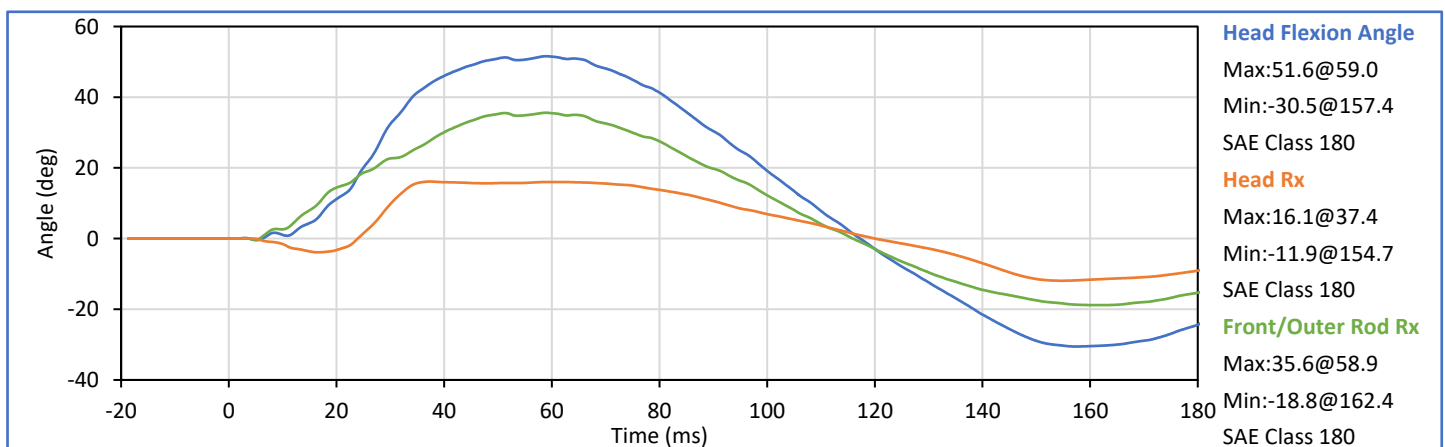
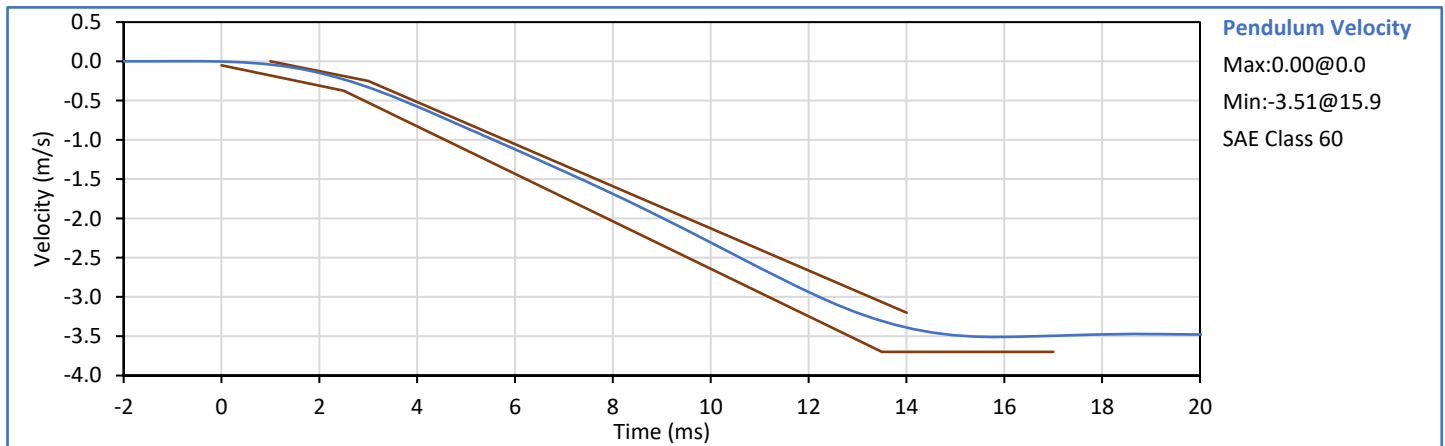
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.2	Pass
Laboratory Relative Humidity	%	10	70	29	Pass
Peak Resultant Acceleration	g	125.0	155.0	145.3	Pass
Peak Head Ax	g	-15.0	15.0	6.2	Pass
Oscillations After Main Pulse	%	0.0	15.0	2.1	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
			Overall Test Results	Pass	



Technician: A. Ponce

Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Pendulum Velocity	m/s	3.30	3.50	3.42	Pass
Peak Headform Flexion	deg	49.0	59.0	51.6	Pass
Time of Peak Headform Flexion	ms	54.0	66.0	59.0	Pass
Flexion Decay (Peak to zero)	ms	53.0	88.0	58.3	Pass
Overall Test Results					Pass



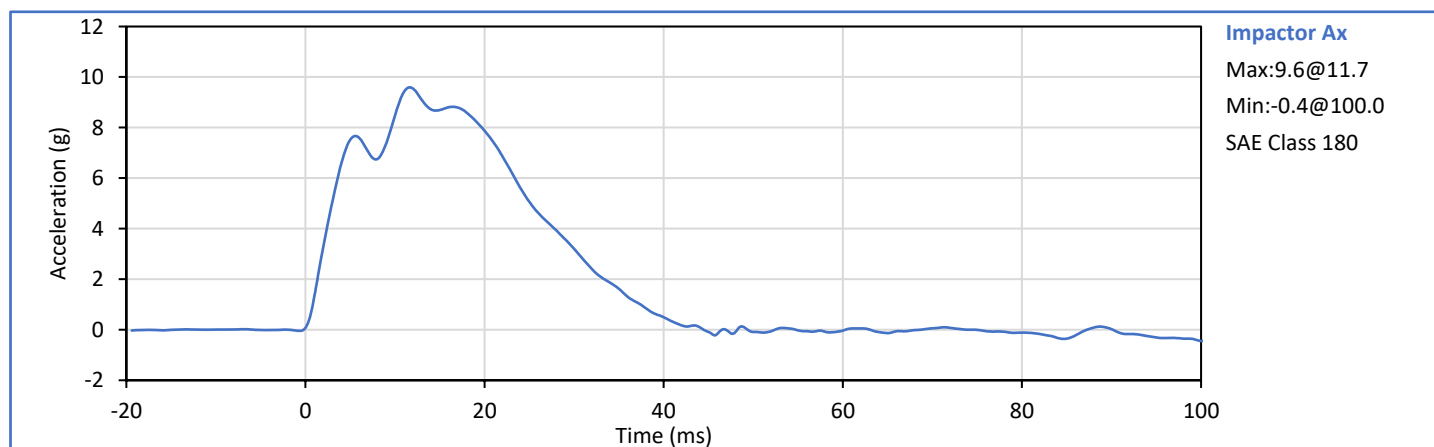
Technician: A. Ponce

Approved By: J. Hernandez

ATD Serial No.: F037

Test Date: 2025-10-18

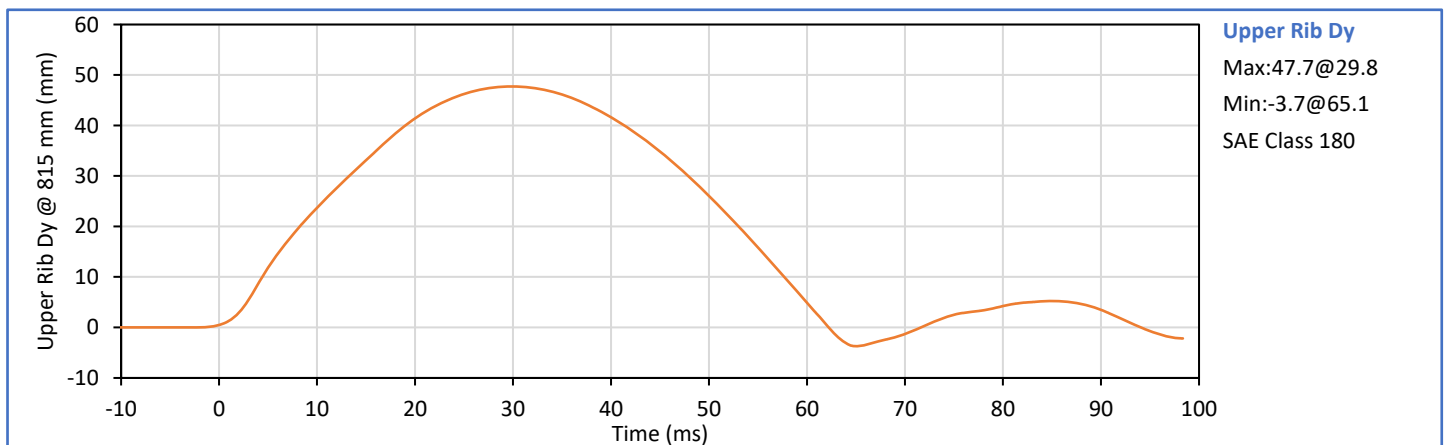
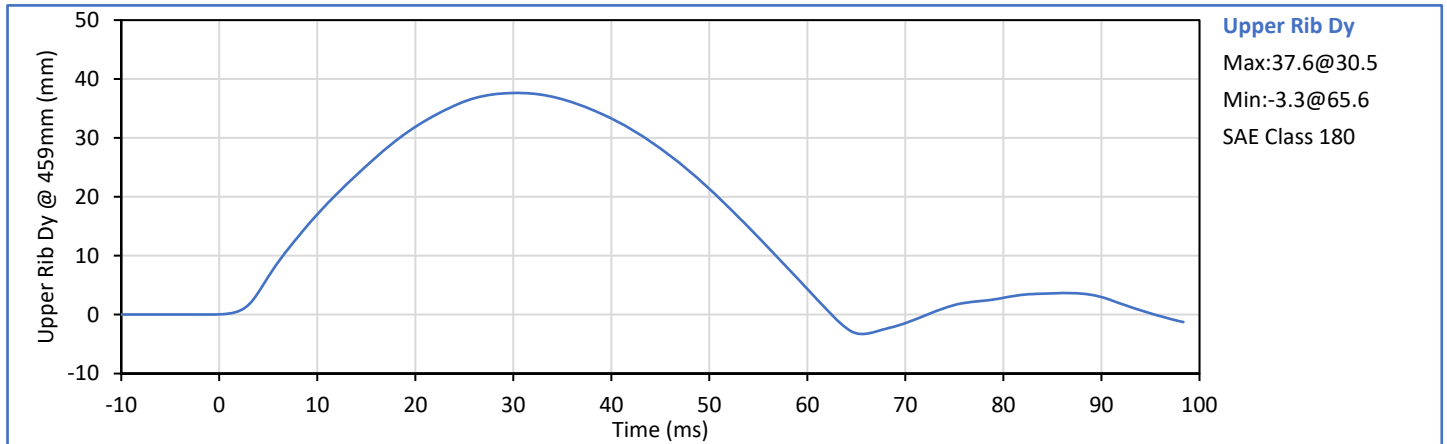
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.1	Pass
Laboratory Relative Humidity	%	10	70	29	Pass
Impactor Velocity	m/s	4.20	4.40	4.30	Pass
Peak Impactor Ax	g	7.5	10.5	9.6	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

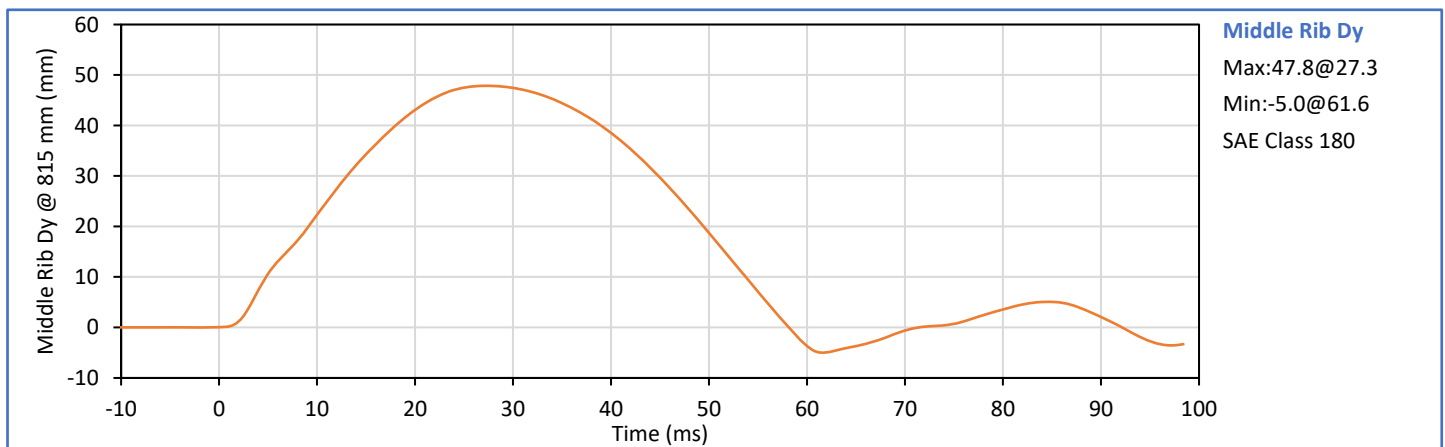
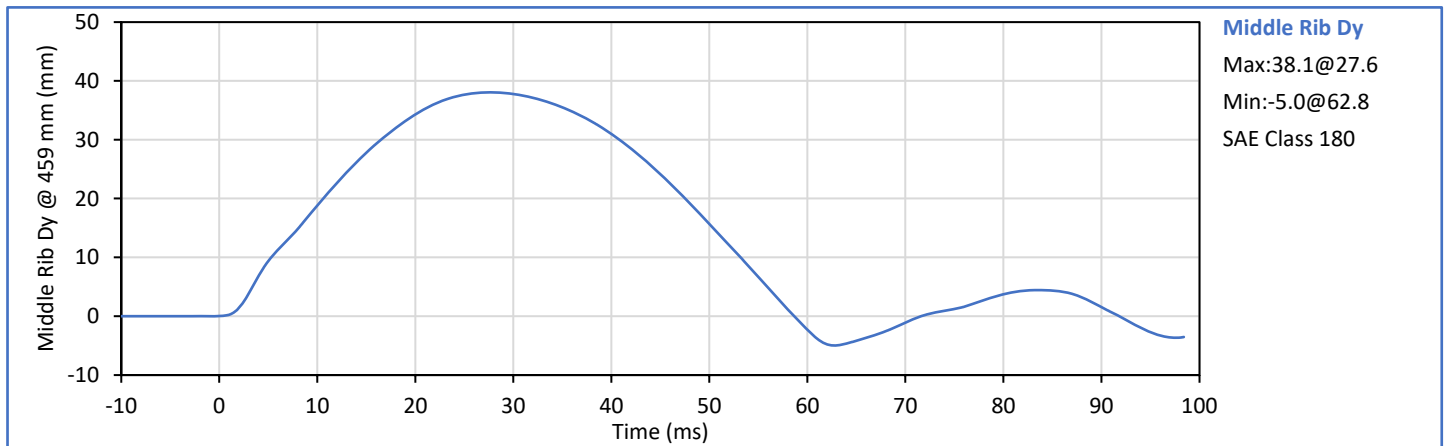
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Upper Rib Dy @ 459mm	mm	36.0	40.0	37.6	Pass
Upper Rib Dy @ 815mm	mm	46.0	51.0	47.7	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

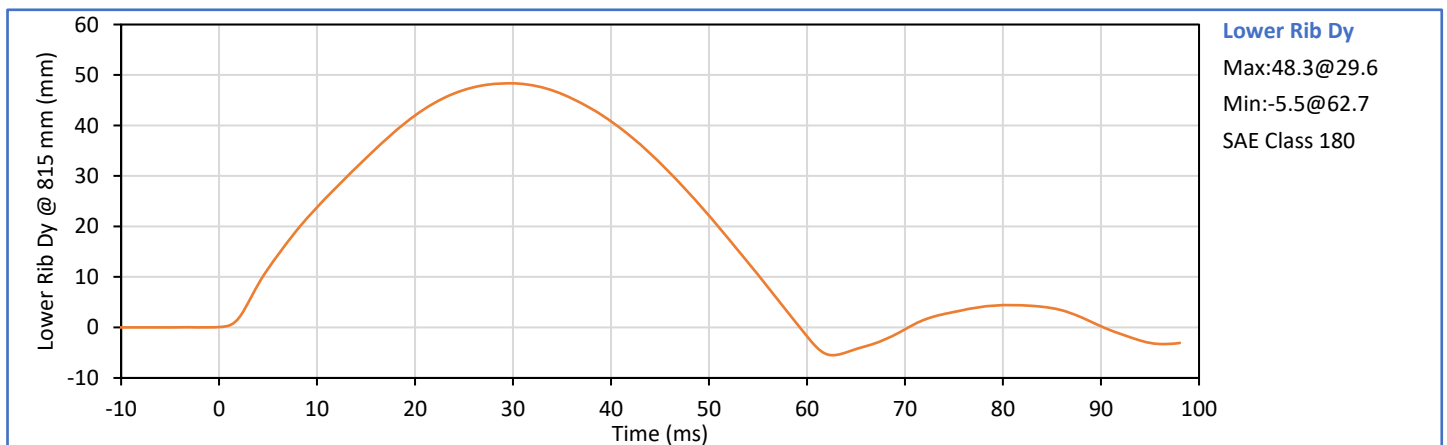
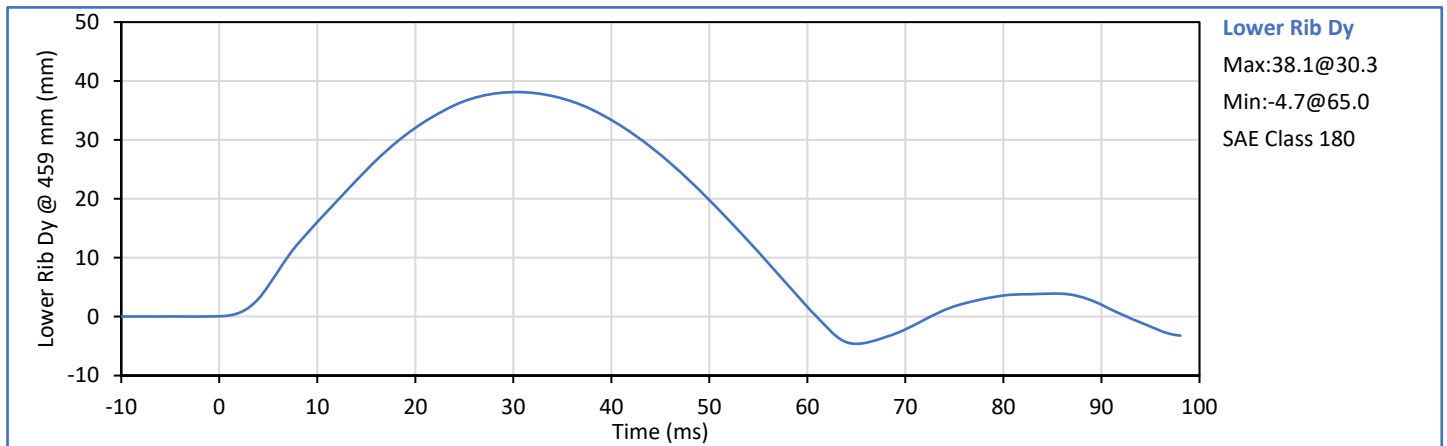
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Middle Rib Dy @ 459mm	mm	36.0	40.0	38.1	Pass
Middle Rib Dy @ 815mm	mm	46.0	51.0	47.8	Pass
Overall Test Results				Pass	



Technician: A. Ponce

Approved By: J. Hernandez

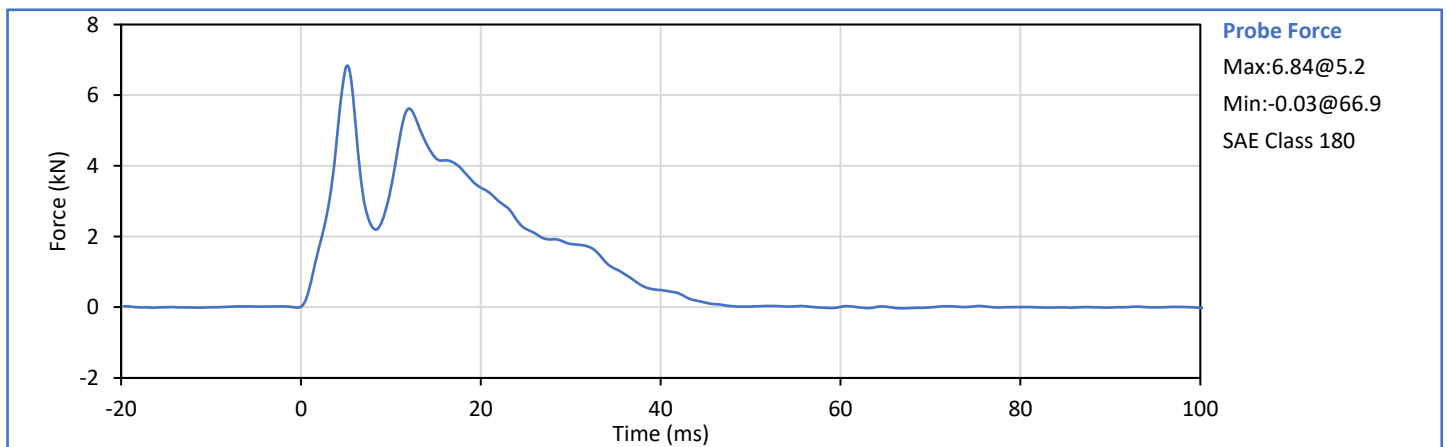
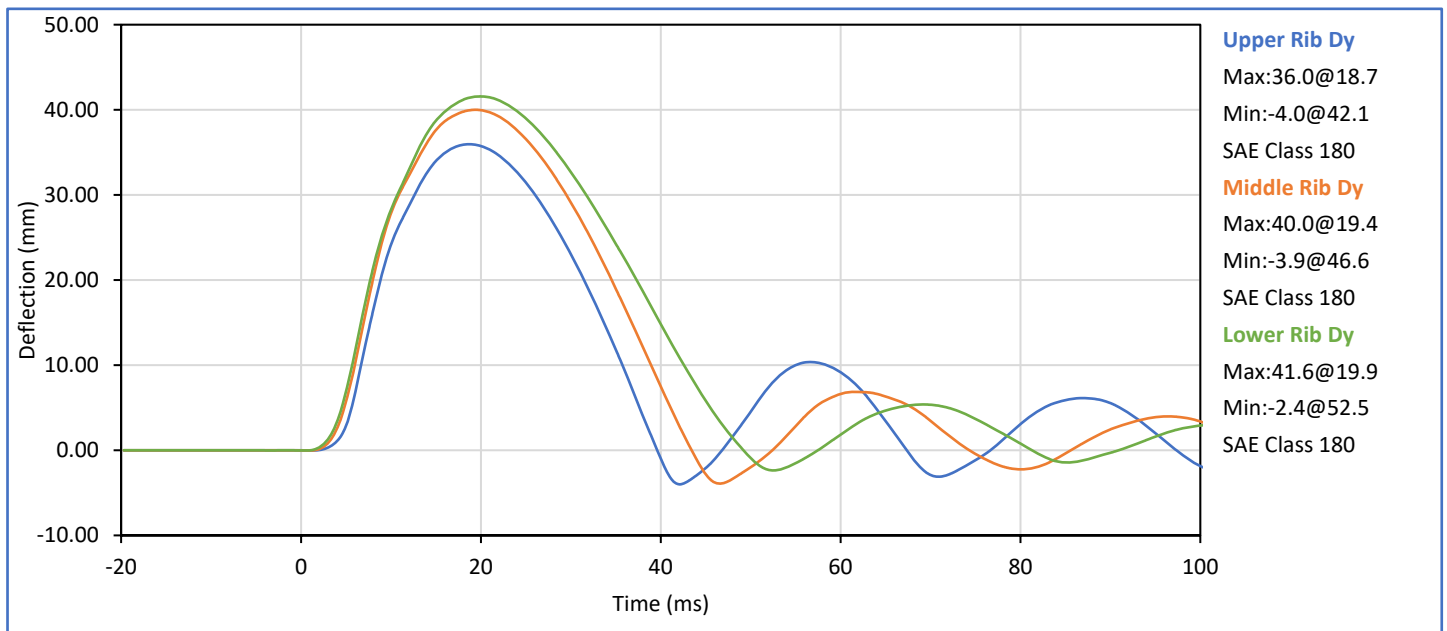
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	29	Pass
Lower Rib Dy @ 459mm	mm	36.0	40.0	38.1	Pass
Lower Rib Dy @ 815mm	mm	46.0	51.0	48.3	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

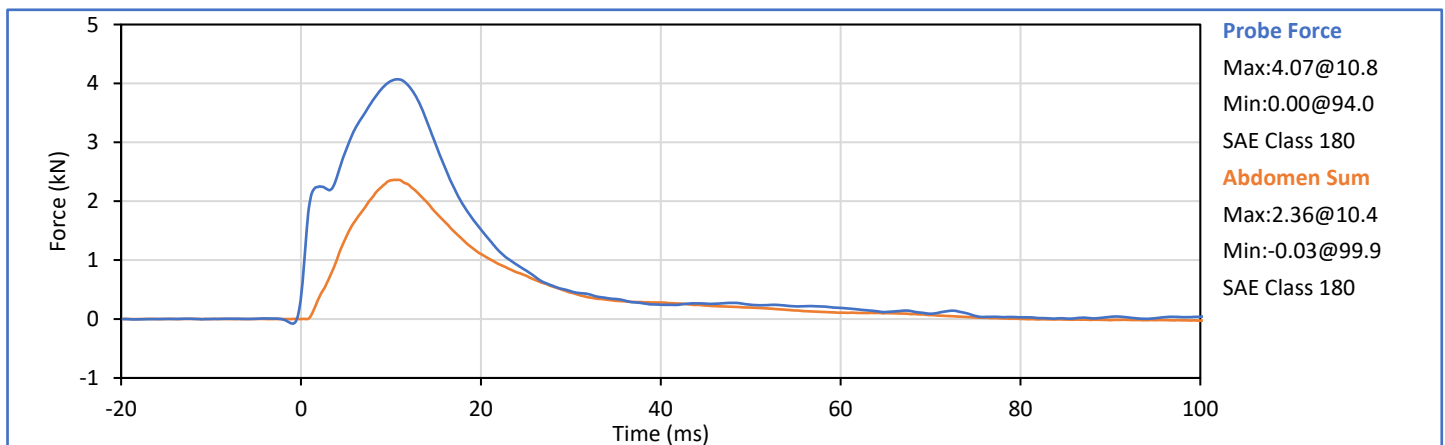
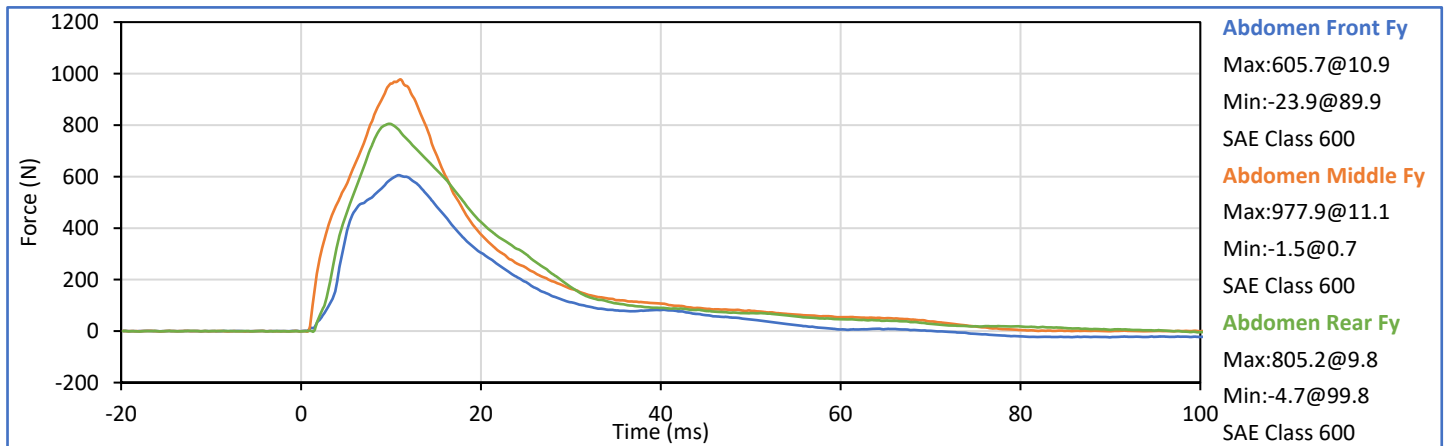
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.1	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Impactor Velocity	m/s	5.40	5.60	5.52	Pass
Peak Upper Rib Dy	mm	34.0	41.0	36.0	Pass
Peak Middle Rib Dy	mm	37.0	45.0	40.0	Pass
Peak Lower Rib Dy	mm	37.0	44.0	41.6	Pass
Peak Impactor Force After 6 ms	kN	5.10	6.20	5.62	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.1	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Impactor Velocity	m/s	3.90	4.10	4.01	Pass
Peak Impactor Force	kN	4.00	4.80	4.07	Pass
Time of Peak Impactor Force	ms	10.6	13.0	10.8	Pass
Sum of Abdomen Forces	kN	2.20	2.70	2.36	Pass
Time of Peak Sum Abdomen Force	ms	10.0	12.3	10.4	Pass
Overall Test Results				Pass	Pass



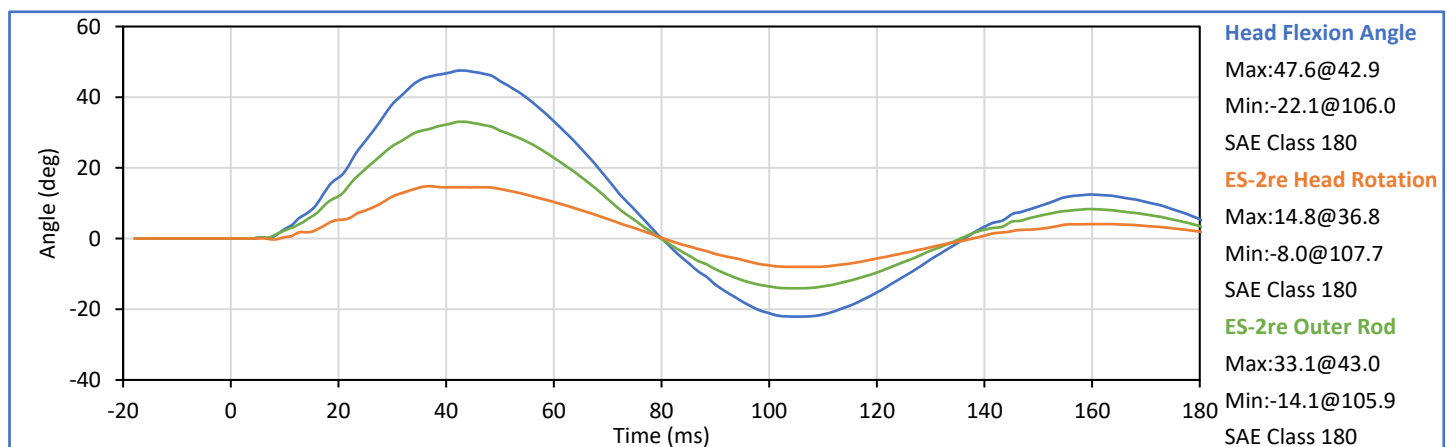
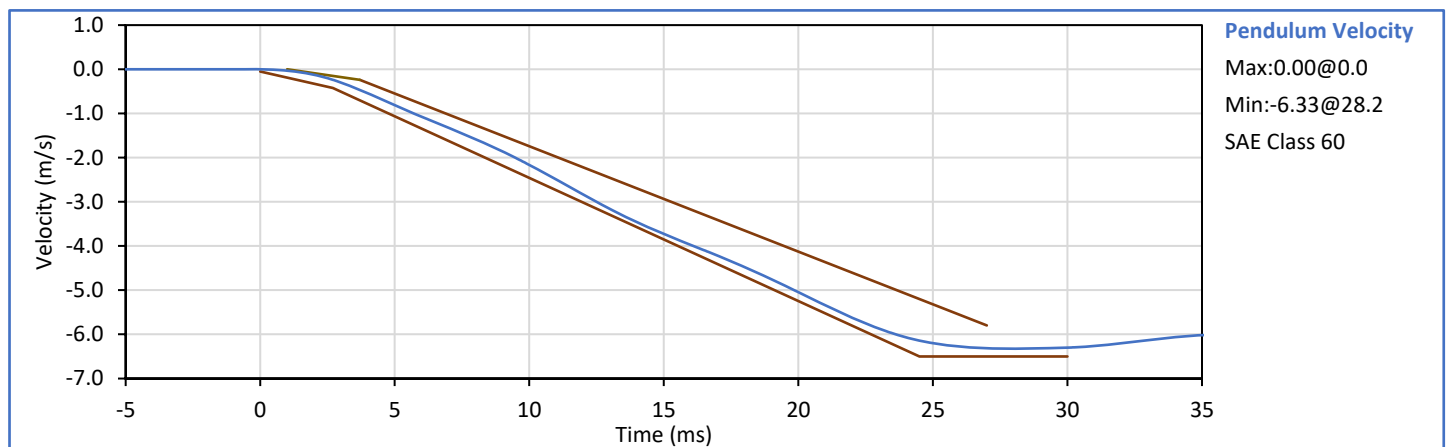
Technician: A. Ponce

Approved By: J. Hernandez

ATD Serial No.: F037

Test Date: 2025-10-17

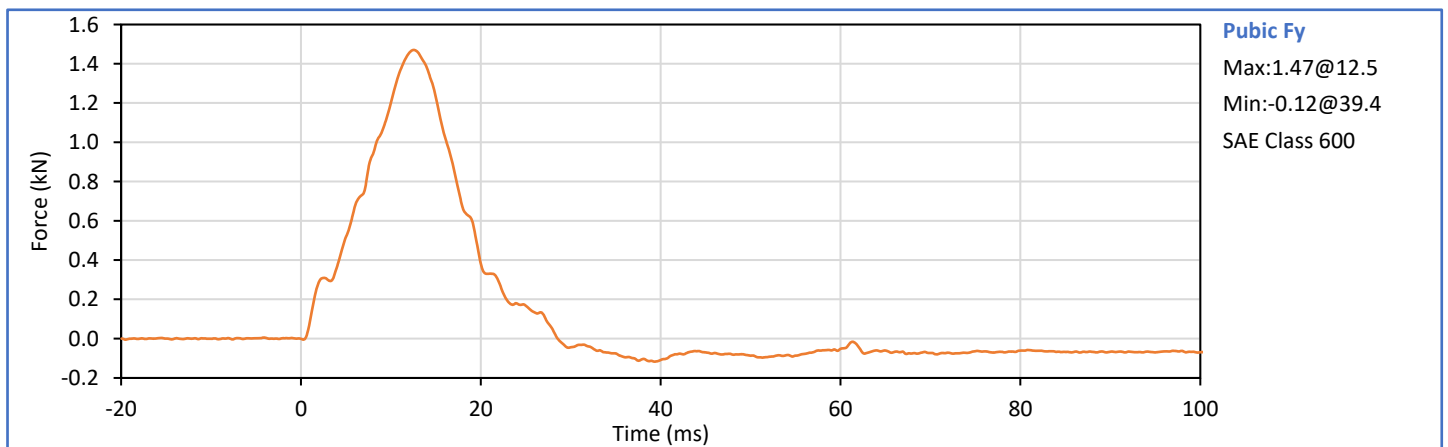
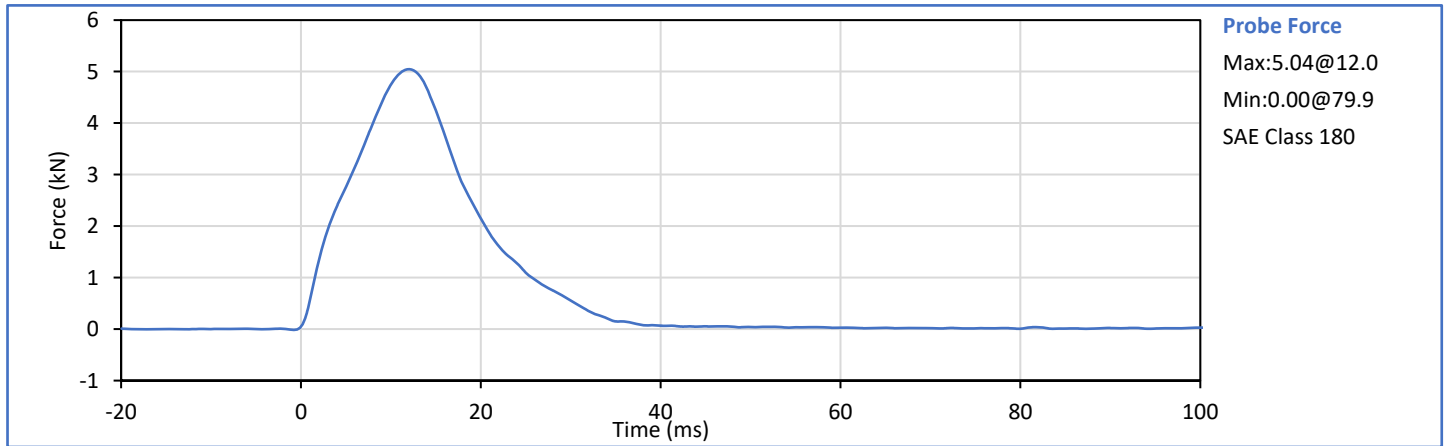
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.1	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Pendulum Velocity	m/s	5.95	6.15	6.06	Pass
Peak Headform Flexion	deg	45.0	55.0	47.6	Pass
Time of Peak Headform Flexion	ms	39.0	53.0	42.9	Pass
Flexion Decay (Peak to zero)	ms	37.0	57.0	37.2	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	29	Pass
Impactor Velocity	m/s	4.20	4.40	4.31	Pass
Peak Impactor Force	kN	4.70	5.40	5.04	Pass
Time of Peak Impactor Force	ms	11.8	16.1	12.0	Pass
Pubic Symphysis Fy	kN	1.23	1.59	1.47	Pass
Time of Peak Pubic Symphysis Fy	ms	12.2	17.0	12.5	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

APPENDIX C

Pre-Test ATD Qualification and Performance Verification

SID-IIs Small Side Impact ATD, Left Side Configuration

S/N: 299

ATD Serial No.: 299

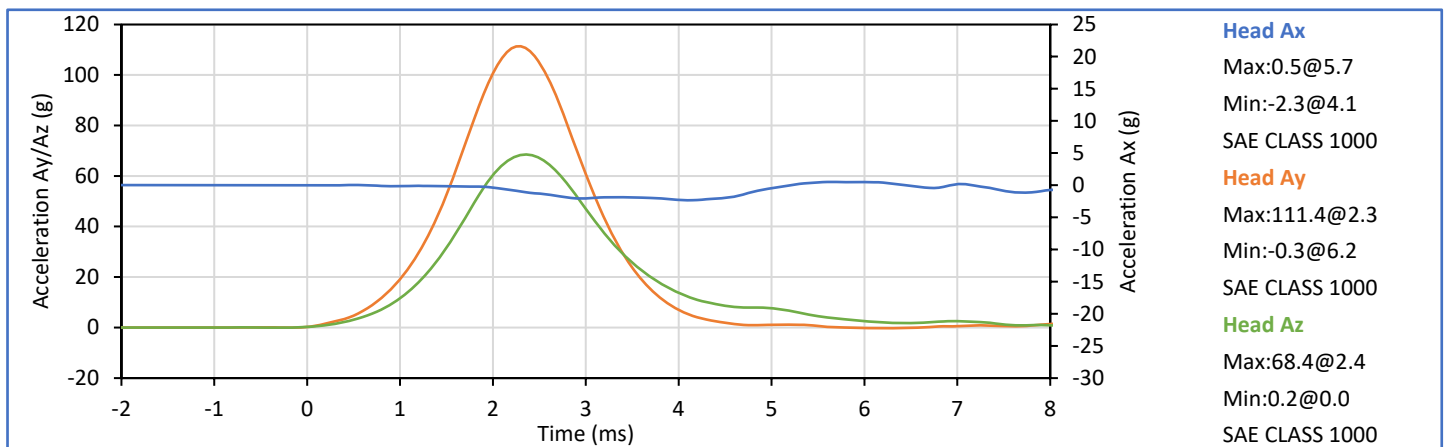
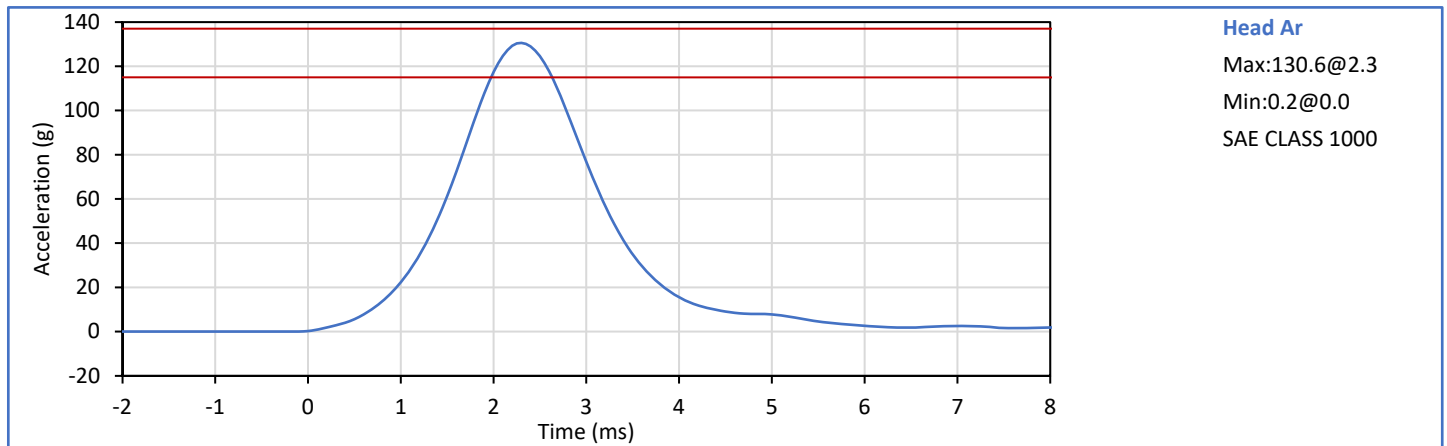
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Tested Parameter	Units	Spec Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.1	Pass
Laboratory Relative Humidity	%	10	70	31	Pass
A - Sitting Height	mm	772	788	781	Pass
B - Shoulder Pivot Height	mm	437	453	450	Pass
C - Hpoint Height	mm	79	89	88	Pass
D - H Point From Seatback	mm	141	151	149	Pass
E - Shoulder Pivot From Backline	mm	97	107	104	Pass
F - Thigh Clearance	mm	119	135	129	Pass
G - Head Breadth	mm	140	148	143	Pass
H - Head Back From Backline	mm	40	46	44	Pass
I - Head Depth	mm	178	188	184	Pass
J - Head Circumference	mm	541	551	549	Pass
K - Buttock To Knee Length	mm	514	540	532	Pass
L - Popliteal Height	mm	343	369	359	Pass
K - Knee Pivot To Floor Height	mm	392	409	402	Pass
N - Buttock Popliteal Length	mm	416	442	434	Pass
O - Chest Depth W/O Jacket	mm	195	211	206	Pass
P - Foot Length	mm	216	232	227	Pass
Q - Hip Breadth (W/Pelvic Plugs)	mm	313	323	318	Pass
R - Arm Length	mm	249	259	253	Pass
S - Knee Joint To Seatback	mm	477	493	485	Pass
V - Shoulder Width	mm	341	357	347	Pass
W - Foot Width	mm	78	94	85	Pass
Y - Chest Circumference W/Jacket	mm	851	881	865	Pass
Z - Waist Circumference	mm	761	791	778	Pass
				Overall Test Results	Pass

Technician: A. Ponce

Approved By: J. Hernandez

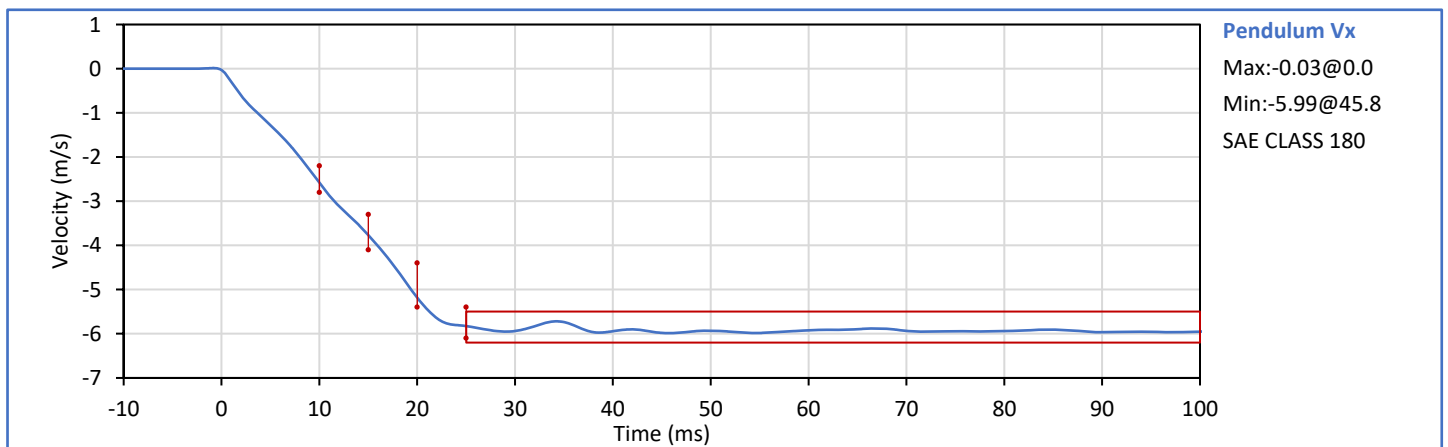
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.4	Pass
Laboratory Relative Humidity	%	10	70	35	Pass
Peak Resultant Acceleration	g	115.0	137.0	130.6	Pass
Peak Head Ax	g	-15.0	15.0	-2.3	Pass
Oscillations After Main Pulse	%	0.0	15.0	2.0	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
			Overall Test Results		Pass



Technician: A. Ponce

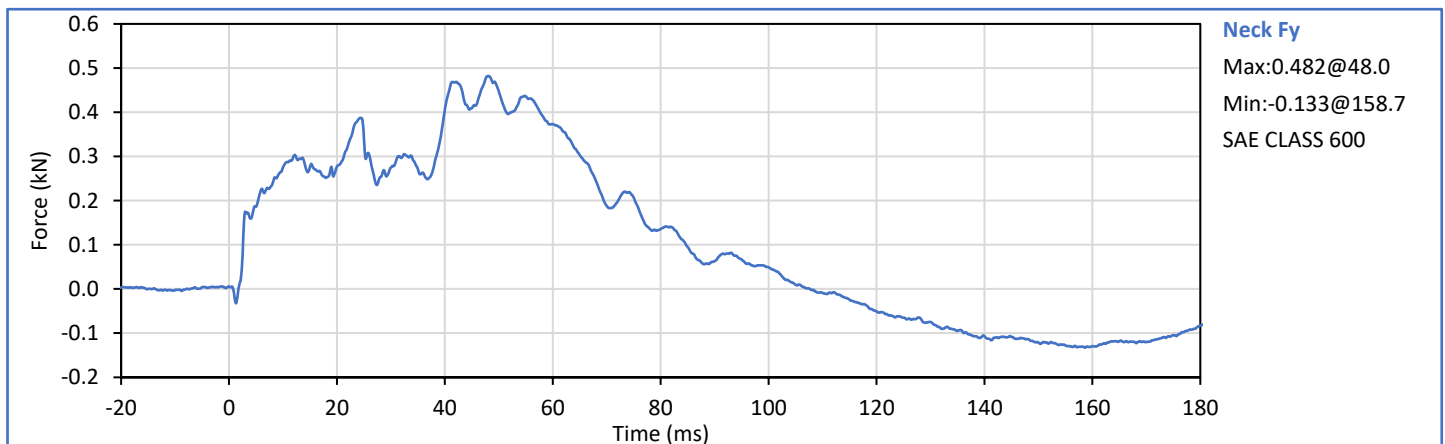
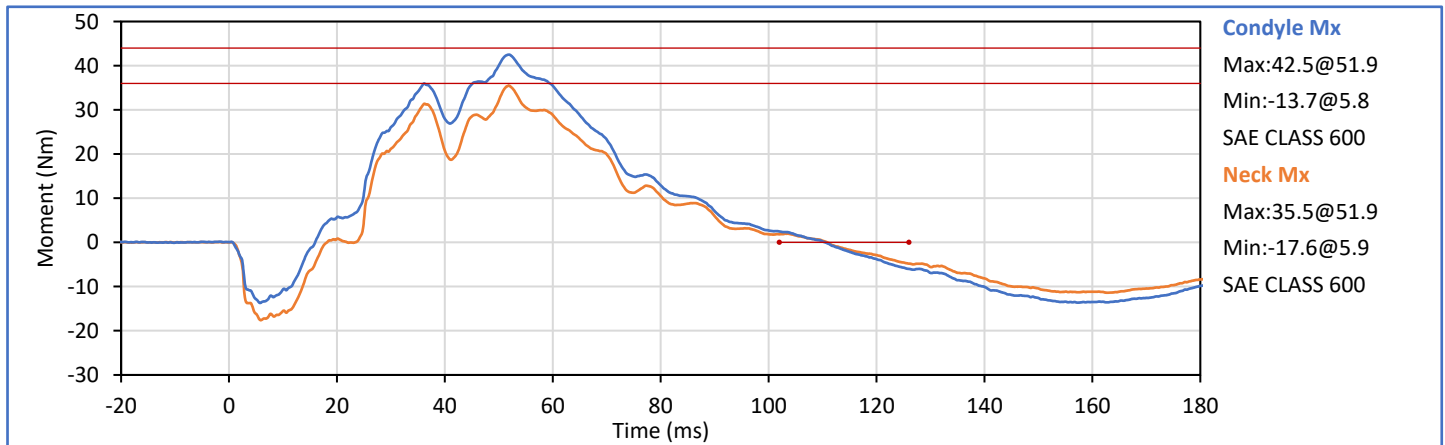
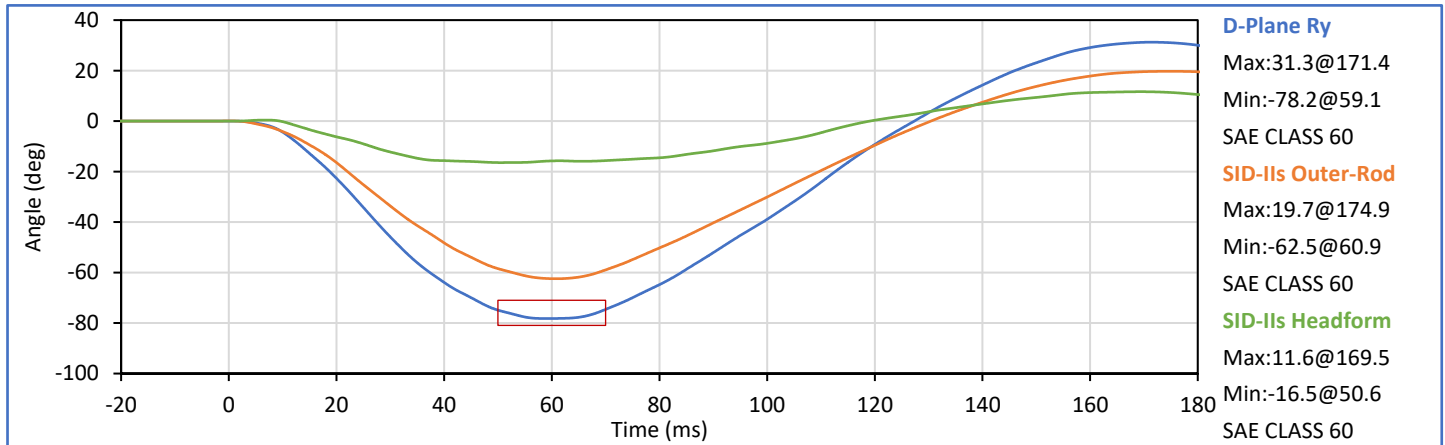
Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.5	Pass
Laboratory Relative Humidity	%	10	70	37	Pass
Pendulum Velocity	m/s	5.51	5.63	5.57	Pass
Pendulum Decel at 10 ms	m/s	-2.80	-2.20	-2.58	Pass
Pendulum Decel at 15 ms	m/s	-4.10	-3.30	-3.77	Pass
Pendulum Decel at 20 ms	m/s	-5.40	-4.40	-5.18	Pass
Pendulum Decel at 25 ms	m/s	-6.10	-5.40	-5.83	Pass
Pendulum Decel from 25-100 ms	m/s	-6.20	-5.50	-5.99/-5.72	Pass
Peak "D" Plane Rotation	deg	-81.0	-71.0	-78.2	Pass
Time of Peak "D" Plane Rotation	ms	50.0	70.0	59.1	Pass
Peak Occ. Condyle Moment	Nm	36.0	44.0	42.5	Pass
Time of Moment Decay to 0 Nm	ms	102.0	126.0	110.5	Pass
				Overall Test Results	Pass

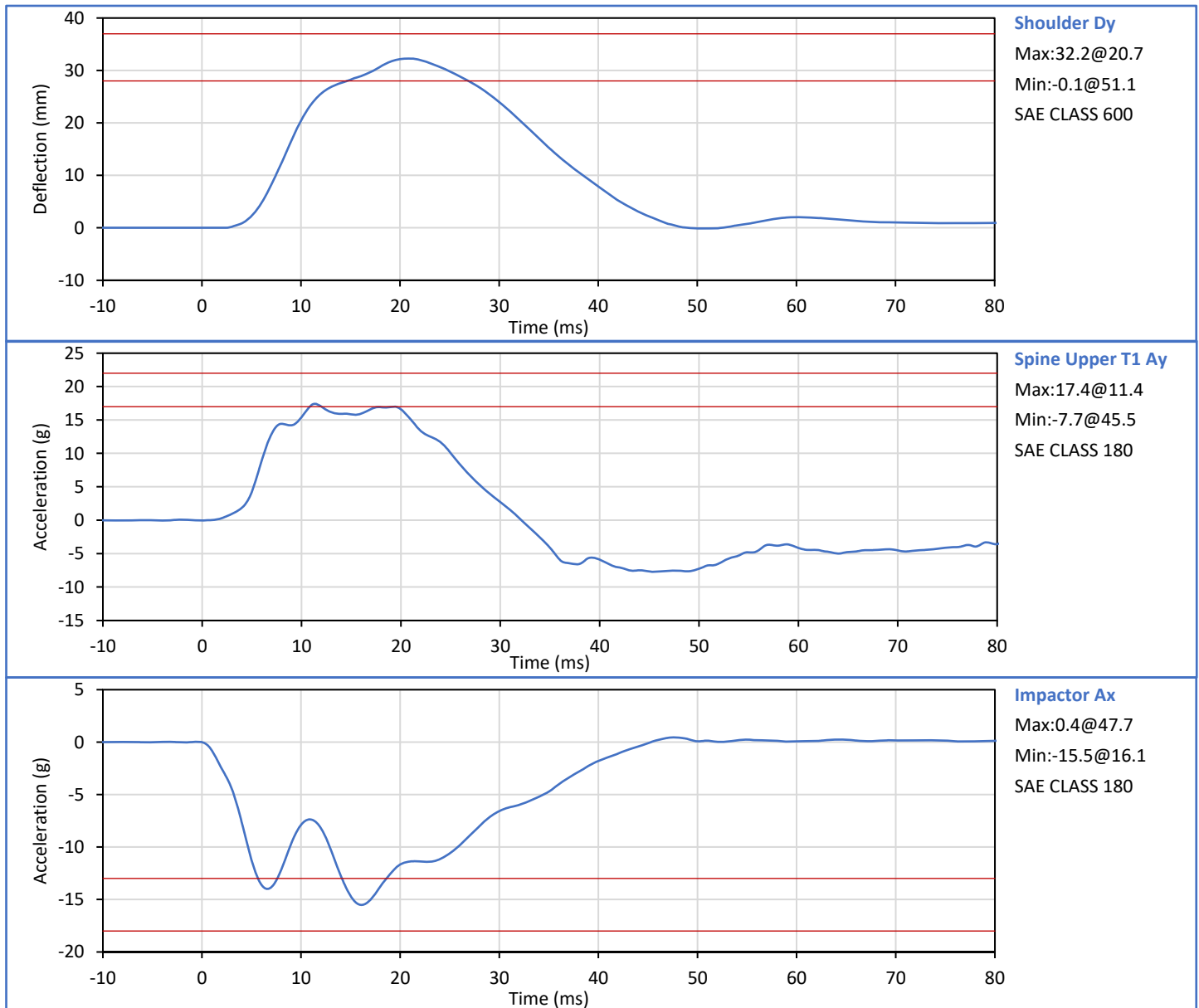


Technician: A. Ponce

Approved By: J. Hernandez



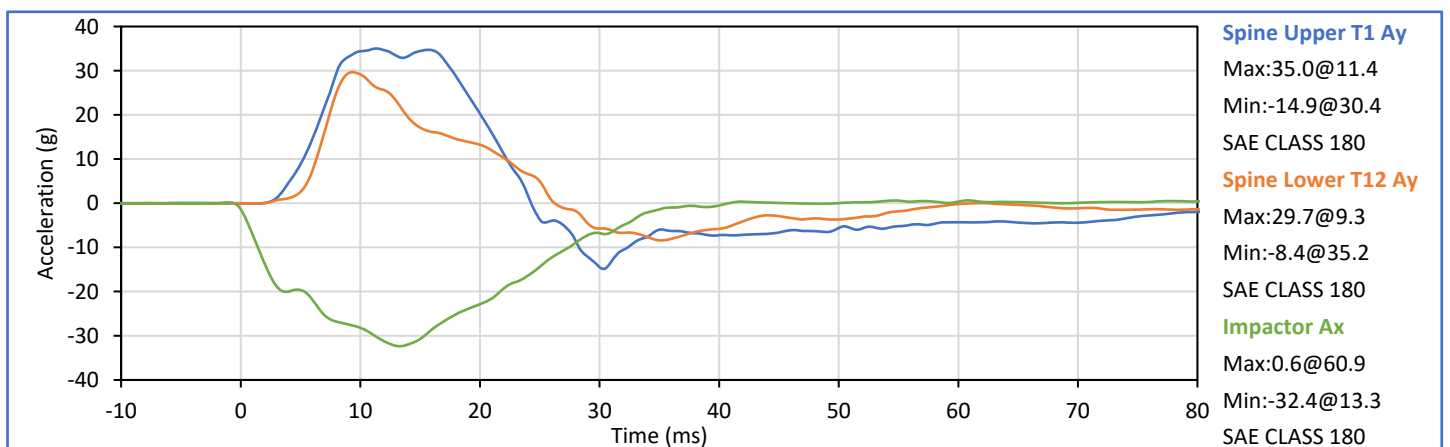
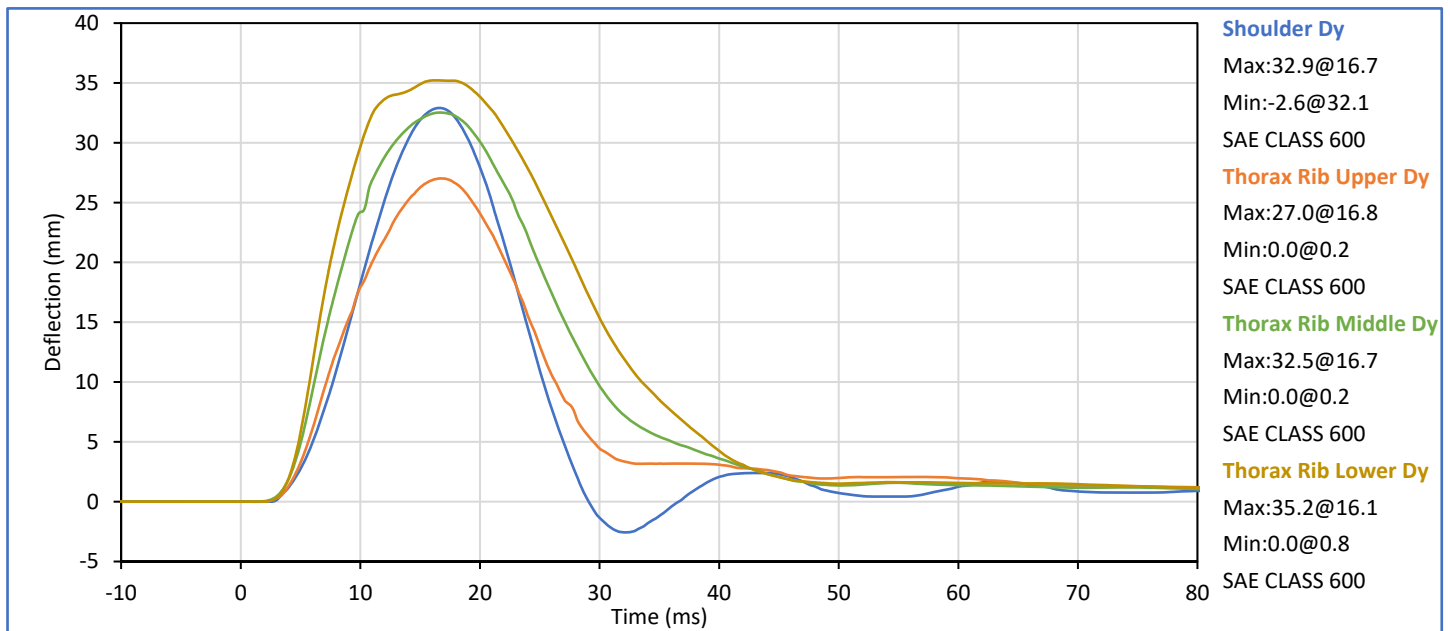
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	31	Pass
Impactor Velocity	m/s	4.20	4.40	4.32	Pass
Peak Shoulder Dy	mm	28.0	37.0	32.2	Pass
Peak Upper Spine (T1) Ay	g	17.0	22.0	17.4	Pass
Peak Impactor Ax	g	-18.0	-13.0	-15.5	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

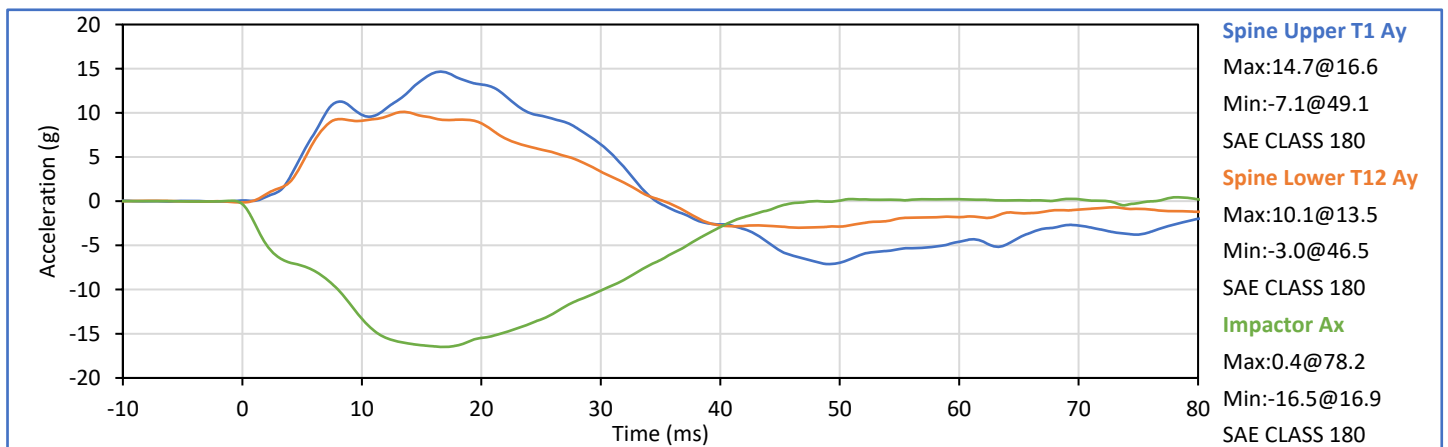
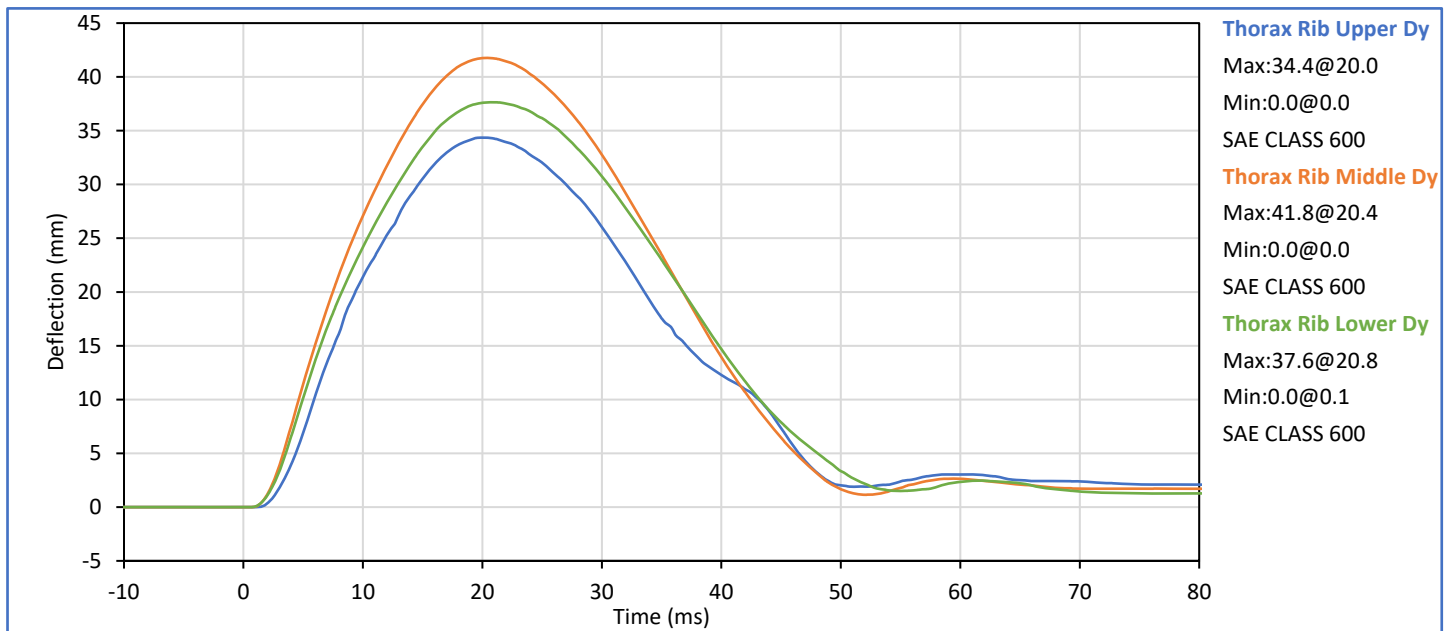
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	35	Pass
Impactor Velocity	m/s	6.60	6.80	6.72	Pass
Peak Shoulder Dy	mm	31.0	40.0	32.9	Pass
Peak Upper Rib Dy	mm	25.0	32.0	27.0	Pass
Peak Middle Rib Dy	mm	30.0	36.0	32.5	Pass
Peak Lower Rib Dy	mm	32.0	38.0	35.2	Pass
Peak Upper Spine (T1) Ay	g	34.0	43.0	35.0	Pass
Peak Lower Spine (T12) Ay	g	29.0	37.0	29.7	Pass
Peak Impactor Ax	g	-36.0	-30.0	-32.4	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

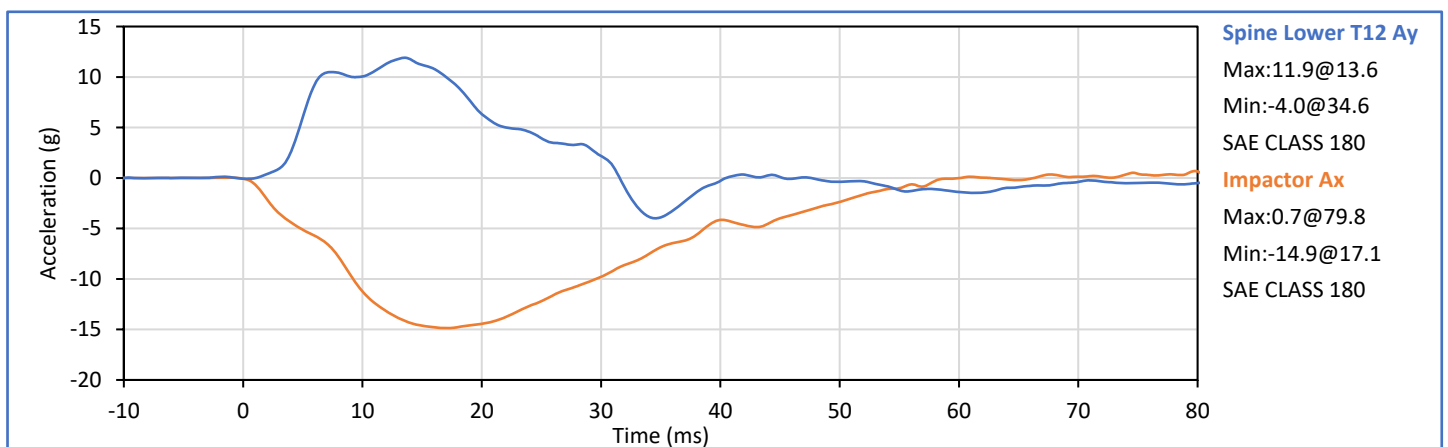
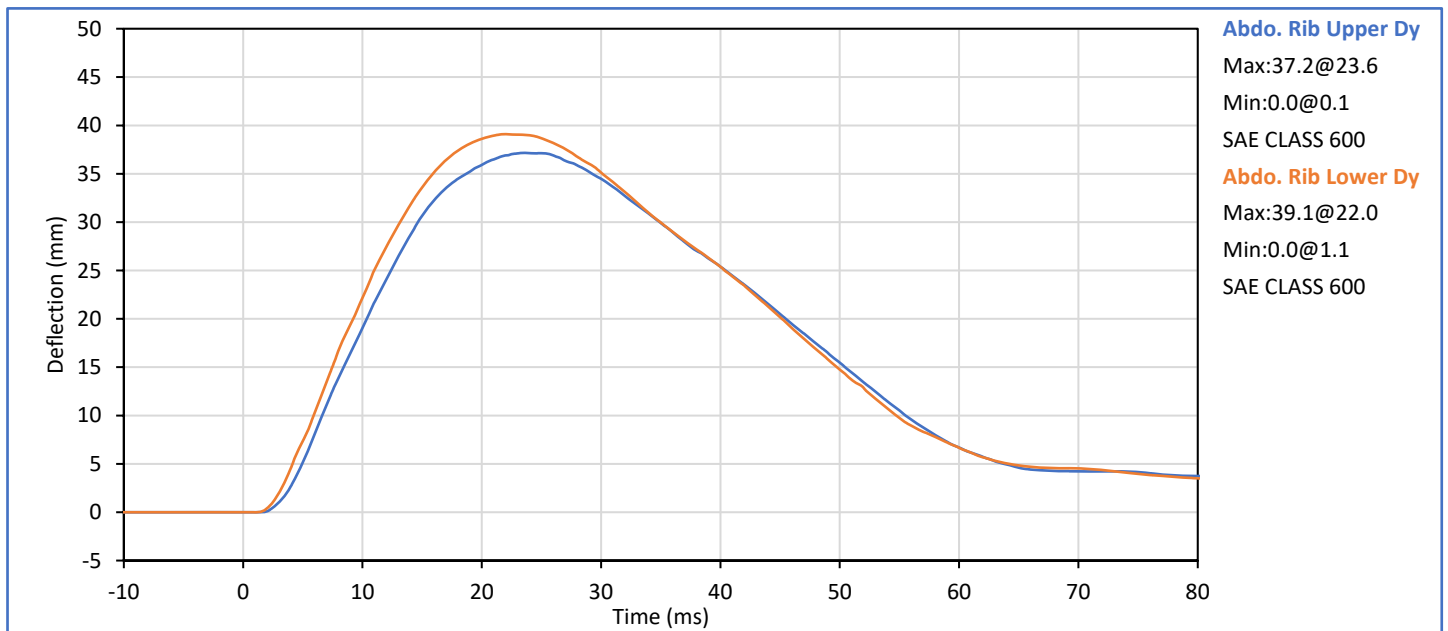
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	31	Pass
Impactor Velocity	m/s	4.20	4.40	4.31	Pass
Peak Thorax Rib Upper Dy	mm	32.0	40.0	34.4	Pass
Peak Thorax Rib Middle Dy	mm	39.0	45.0	41.8	Pass
Peak Thorax Rib Lower Dy	mm	35.0	43.0	37.6	Pass
Peak Spine Upper T1 Ay	g	13.0	17.0	14.7	Pass
Peak Spine Lower T12 Ay	g	7.0	11.0	10.1	Pass
Peak Impactor Ax	g	-18.0	-14.0	-16.5	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Impactor Velocity	m/s	4.20	4.40	4.32	Pass
Peak Upper Abdomen Rib Dy	mm	36.0	47.0	37.2	Pass
Peak Lower Abdomen Rib Dy	mm	33.0	44.0	39.1	Pass
Peak Lower Spine T12 Ay	mm	9.0	14.0	11.9	Pass
Peak Impactor Ax	g	-16.0	-12.0	-14.9	Pass
Overall Test Results					Pass



Technician: A. Ponce

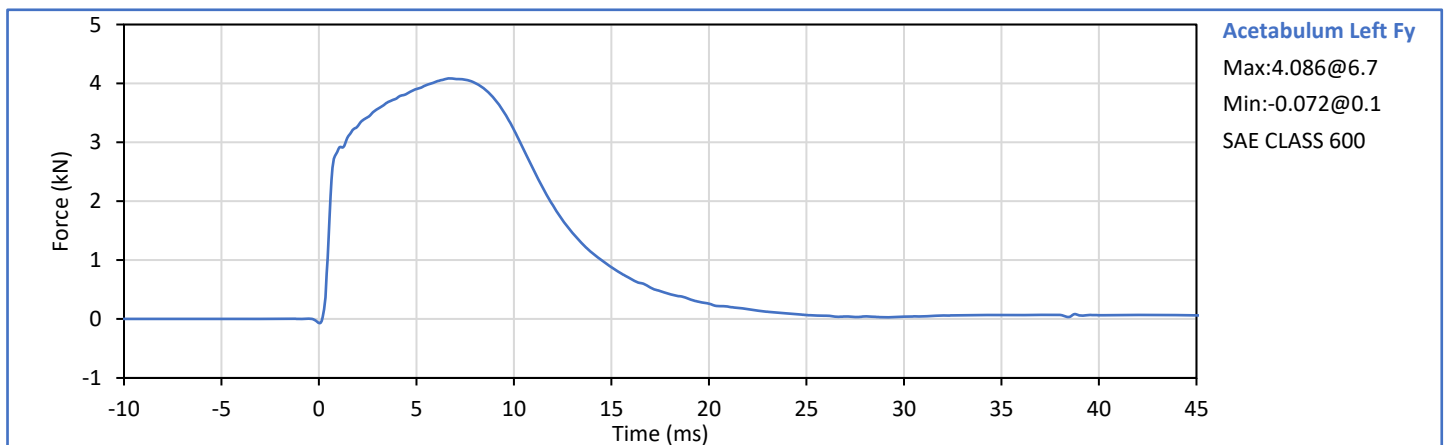
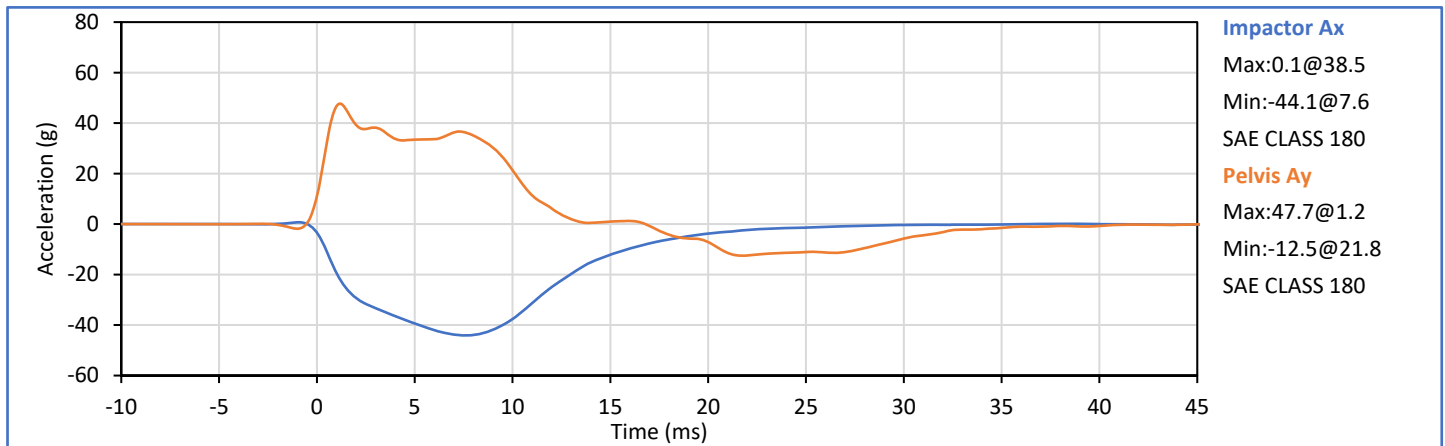
Approved By: J. Hernandez

ATD Serial No.: 299

Test Date: 2025-10-24

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Impactor Velocity	m/s	6.60	6.80	6.71	Pass
Peak Acetabulum Fy	kN	3.60	4.30	4.09	Pass
Pelvis Ay after 6ms	g	34.0	42.0	36.6	Pass
Peak Impactor Ax	g	-47.0	-38.0	-44.1	Pass
Overall Test Results					Pass

Pelvis Plug S/N: 16580



Technician: A. Ponce

Approved By: J. Hernandez

ATD Serial No.: 299

**SID-IIs Small Side Impact ATD
Pelvis Acetabulum Impact**

Test Date: 2025-10-24

Pelvis Plug S/N: 16580



SID-IIs Pelvis Plug Certification Test

Plug S/N 16580

Test Number 23364

Report Number 23421

Test Date 7/19/2022 10:46:18 AM

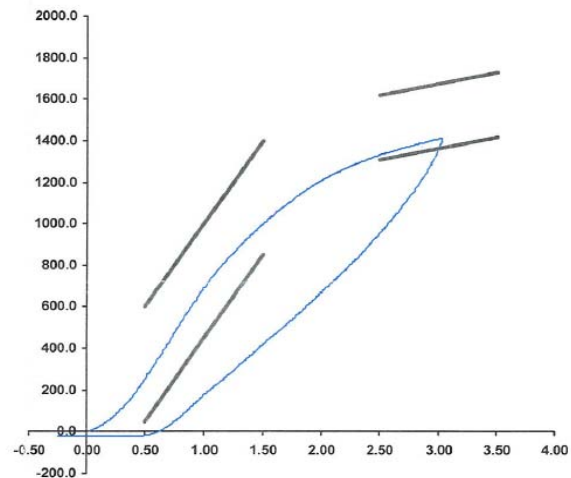
	Test Results	Spec Min	Spec Max
Force @ 0.5 mm (N)	257	50	600
Force @ 1.5 mm (N)	1,002	850	1,400
Force @ 2.5 mm (N)	1,333	1,306	1,618
Force @ 3.0 mm (N)	1,409	1,361	1,673

Testing Machine STM-20 5965542
Load Cell S/N (FI360947), Units (LBS) 1000

Crosshead Speed (mm / min) or Rate 12.7
Extension or Position Measured by XHD_100 (XHD100)

Notes:

Force (-N) vs Extension (-mm)



Operator

Part Number 180-4450

Template No 107 19-Jul-22

SACO Research

By: DC Date: 7/19/22

SACO Research 41735 Elm St, #401 Murrieta, CA 92562 Tel 310-694-2082 FAX

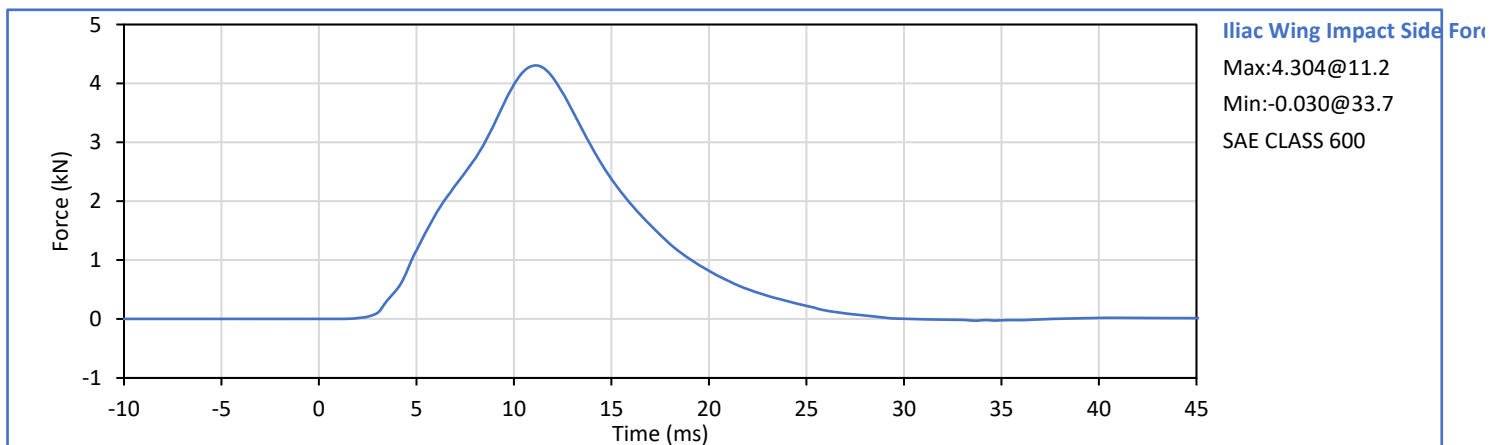
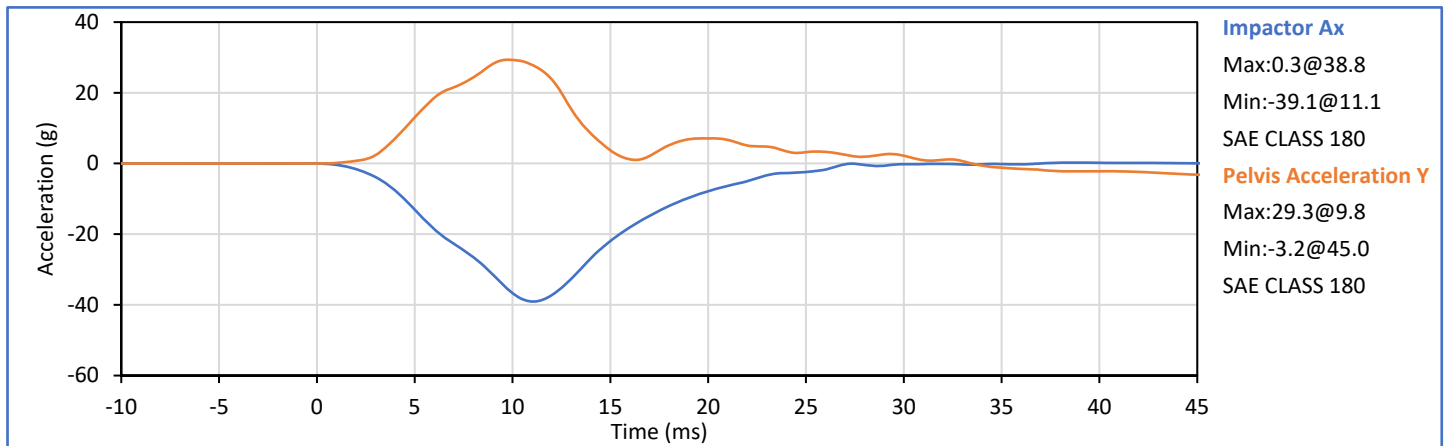
ATD Serial No.: 299

Test Date: 2025-10-24

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Impactor Velocity	m/s	4.20	4.40	4.31	Pass
Peak Iliac Fy	kN	4.10	5.10	4.30	Pass
Peak Pelvis Ay	g	28.0	39.0	34.7	Pass
Peak Impactor Ax	g	-45.0	-36.0	-39.1	Pass
Overall Test Results					Pass

Pelvis Plug S/N: 17751 *

* Plug is not impacted and remains certified



Technician: A. Ponce

Approved By: J. Hernandez

APPENDIX C

**Post-Test ATD Qualification and Performance Verification
ES-2re 50th Male Side Impact ATD, Left Side Configuration
S/N: F037**

ATD Serial No.: F037

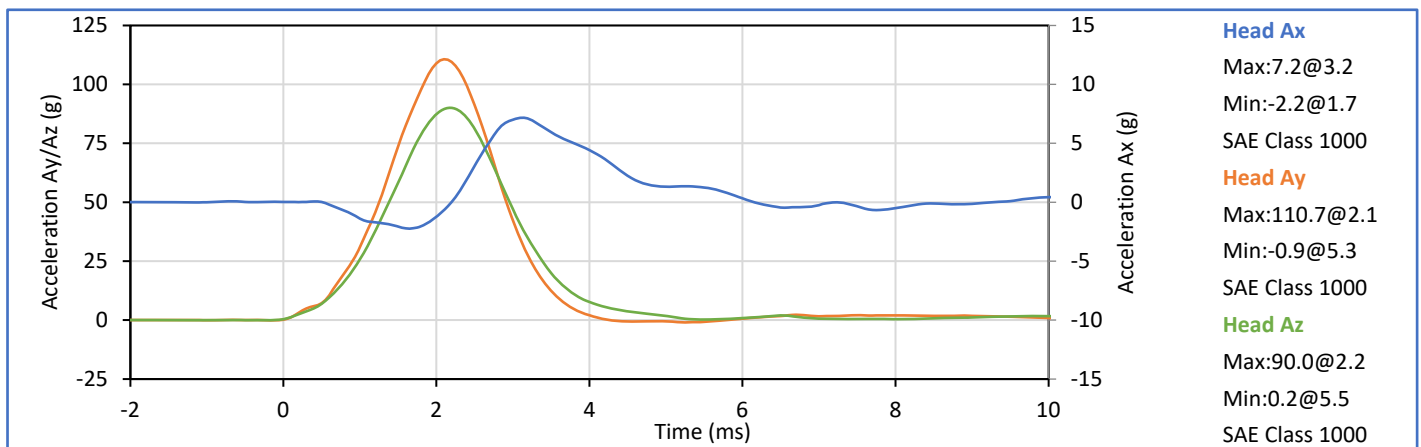
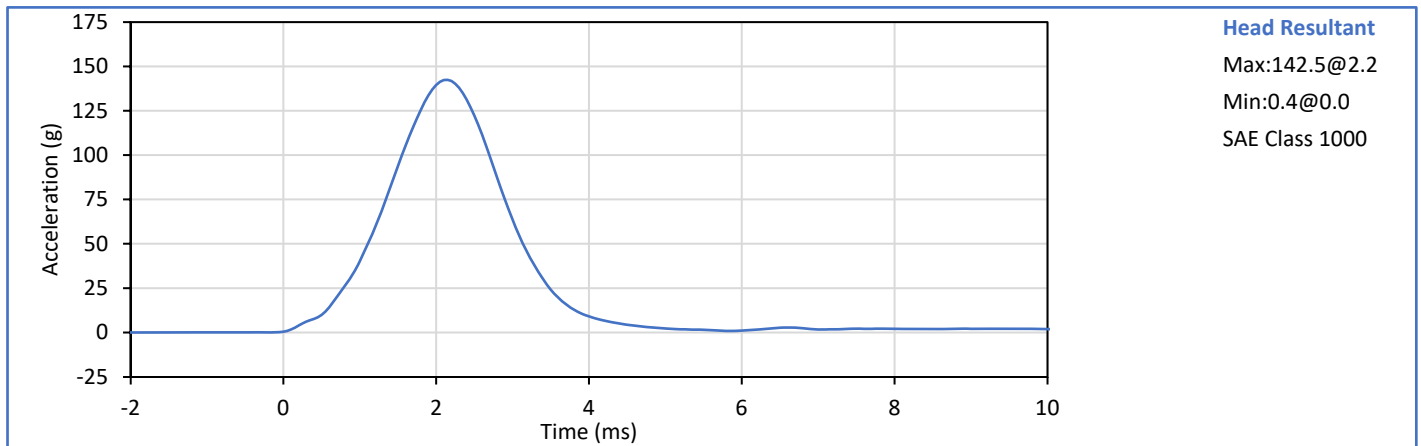
Test Date: 2025-12-12

Tested Parameter	Units	Spec Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	31	Pass
1 - Sitting Height	mm	900	918	911	Pass
2 - Seat to Shoulder Joint	mm	558	572	564	Pass
3 - Seat to Lower Face of Thoracic Spine Box	mm	346	356	348	Pass
4 - Seat to Hip Joint (bolt center)	mm	97	103	101	Pass
5 - Sole to Seat, Sitting	mm	433	451	439	Pass
6 - Head Width	mm	152	158	155	Pass
7 - Shoulder/Arm Width	mm	461	479	474	Pass
8 - Thorax Width	mm	322	332	329	Pass
9 - Abdomen Width	mm	273	287	281	Pass
10 - Pelvis Lap Width	mm	359	373	367	Pass
11 - Head Depth	mm	196	206	201	Pass
12 - Thorax Depth	mm	262	272	266	Pass
13 - Abdomen Depth	mm	194	204	200	Pass
14 - Pelvis Depth	mm	235	245	241	Pass
15 - Back of Buttocks to Hip Joint (bolt Center)	mm	150	160	152	Pass
16 - Back of Buttocks to Front Knee	mm	597	615	610	Pass
				Overall Test Results	Pass

Technician: A. Ponce

Approved By: J. Hernandez

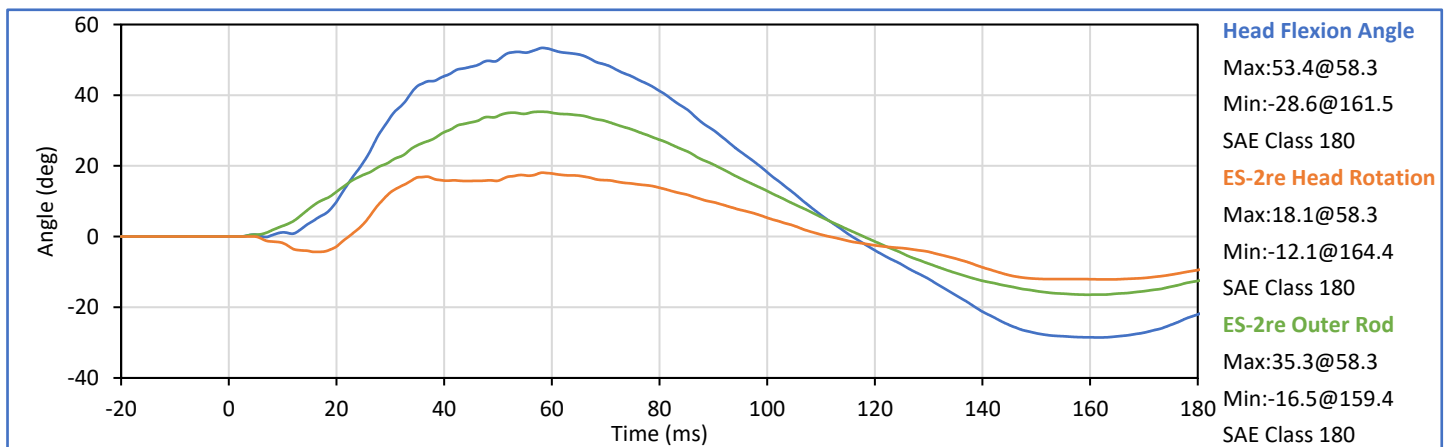
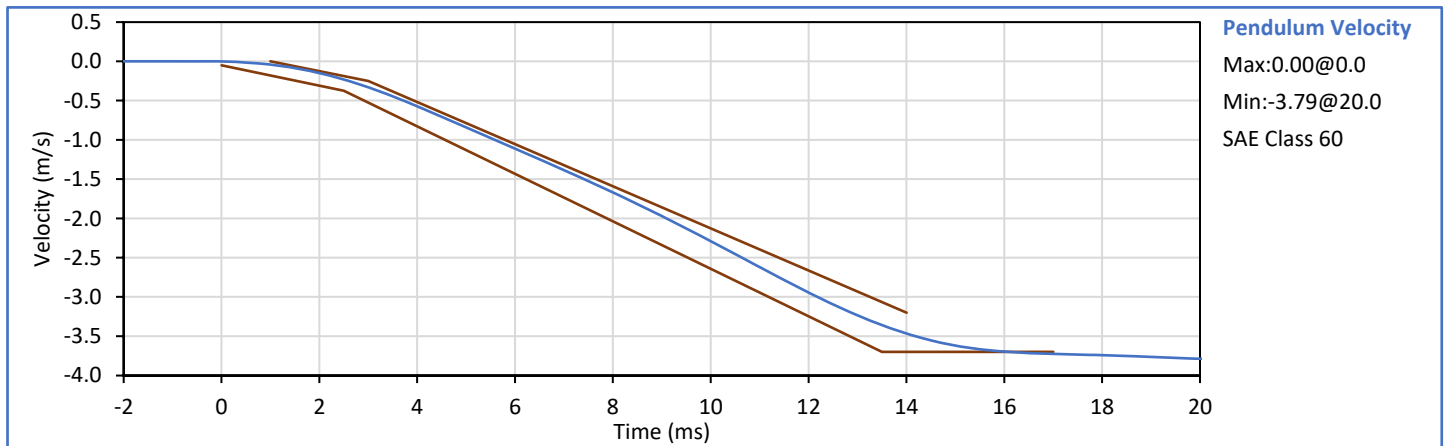
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.3	Pass
Laboratory Relative Humidity	%	10	70	32	Pass
Peak Resultant Acceleration	g	125.0	155.0	142.5	Pass
Peak Head Ax	g	-15.0	15.0	7.2	Pass
Oscillations After Main Pulse	%	0.0	15.0	1.9	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
			Overall Test Results	Pass	



Technician: A. Ponce

Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.7	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Pendulum Velocity	m/s	3.30	3.50	3.43	Pass
Peak Headform Flexion	deg	49.0	59.0	53.4	Pass
Time of Peak Headform Flexion	ms	54.0	66.0	58.3	Pass
Flexion Decay (Peak to zero)	ms	53.0	88.0	57.5	Pass
Overall Test Results					Pass



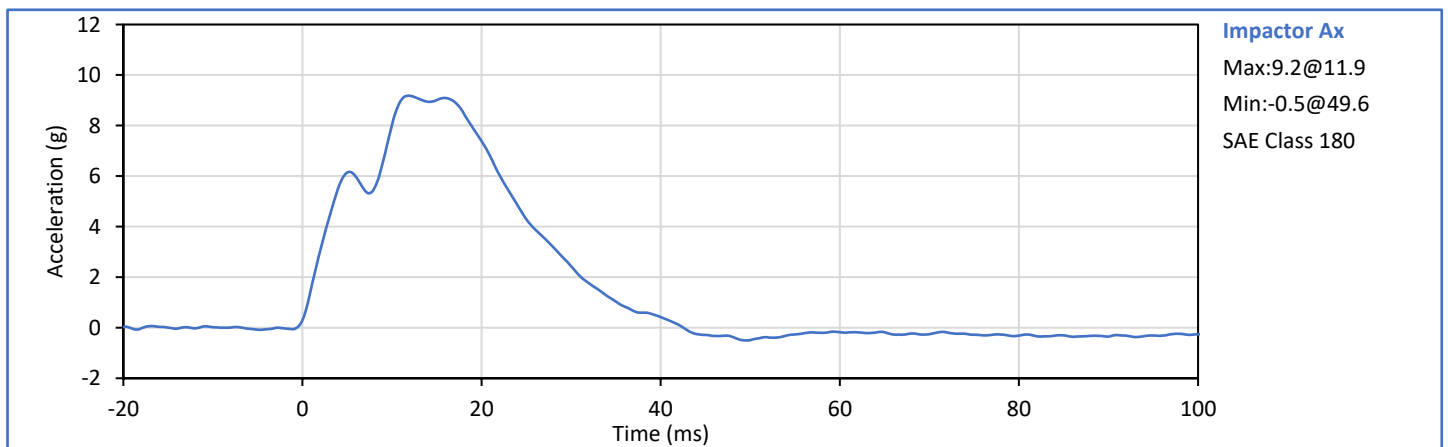
Technician: A. Ponce

Approved By: J. Hernandez

ATD Serial No.: F037

Test Date: 2025-12-12

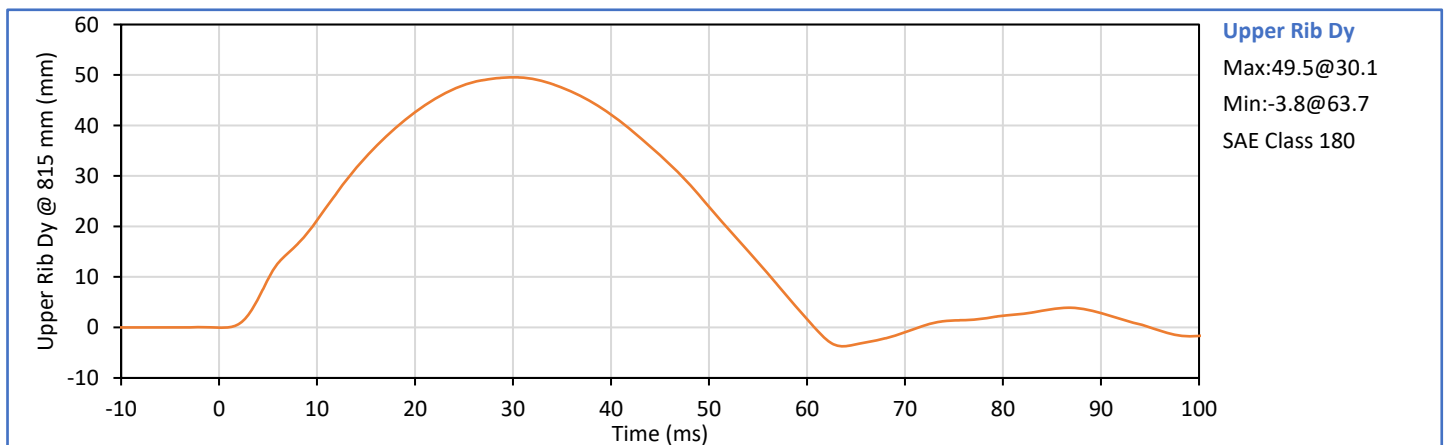
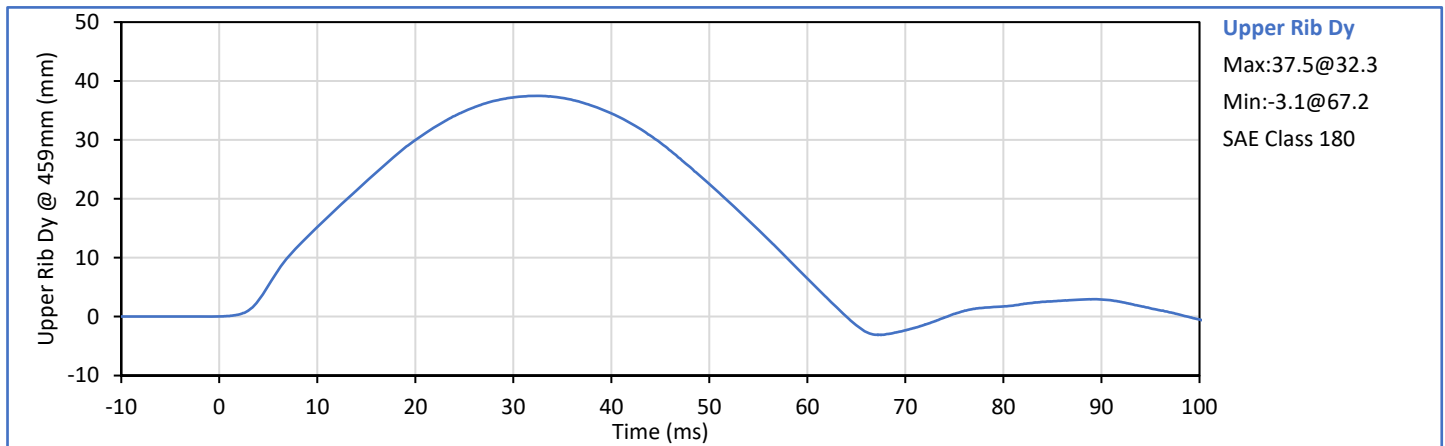
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	35	Pass
Impactor Velocity	m/s	4.20	4.40	4.36	Pass
Peak Impactor Ax	g	7.5	10.5	9.2	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

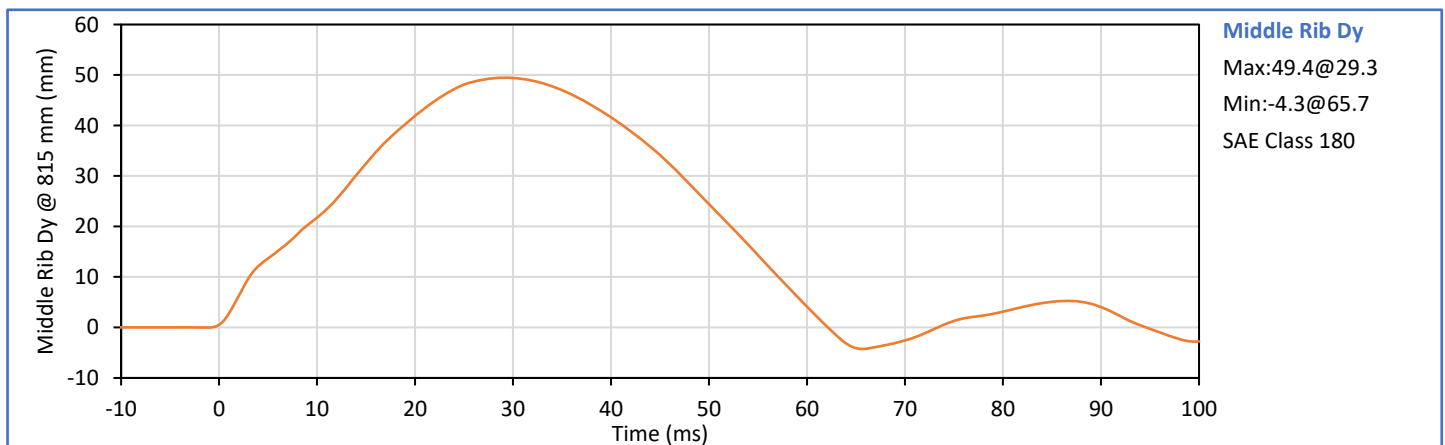
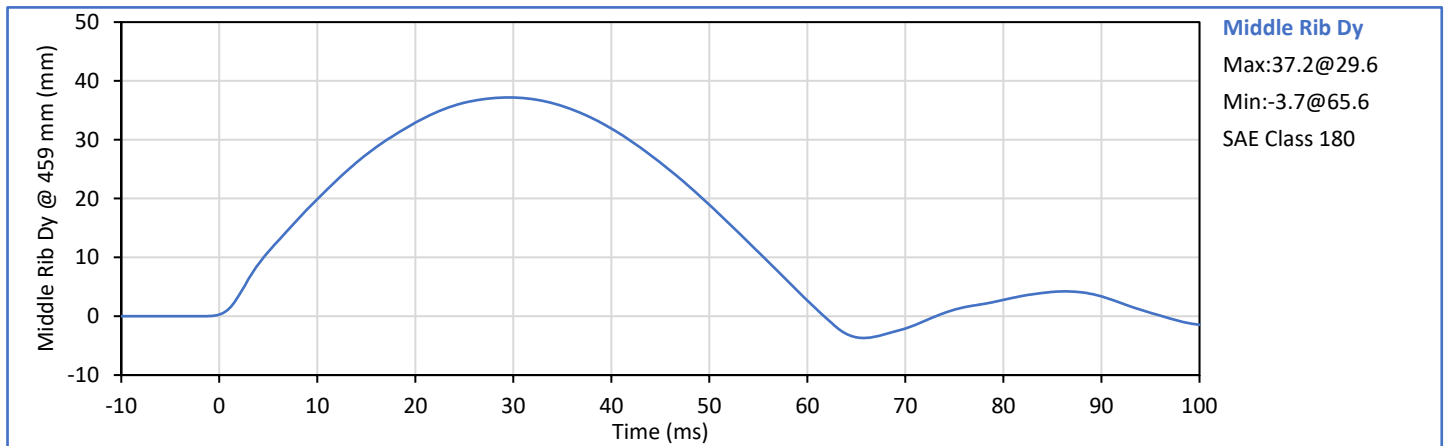
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Relative Humidity	%	10	70	34	Pass
Upper Rib Dy @ 459mm	mm	36.0	40.0	37.5	Pass
Upper Rib Dy @ 815mm	mm	46.0	51.0	49.5	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

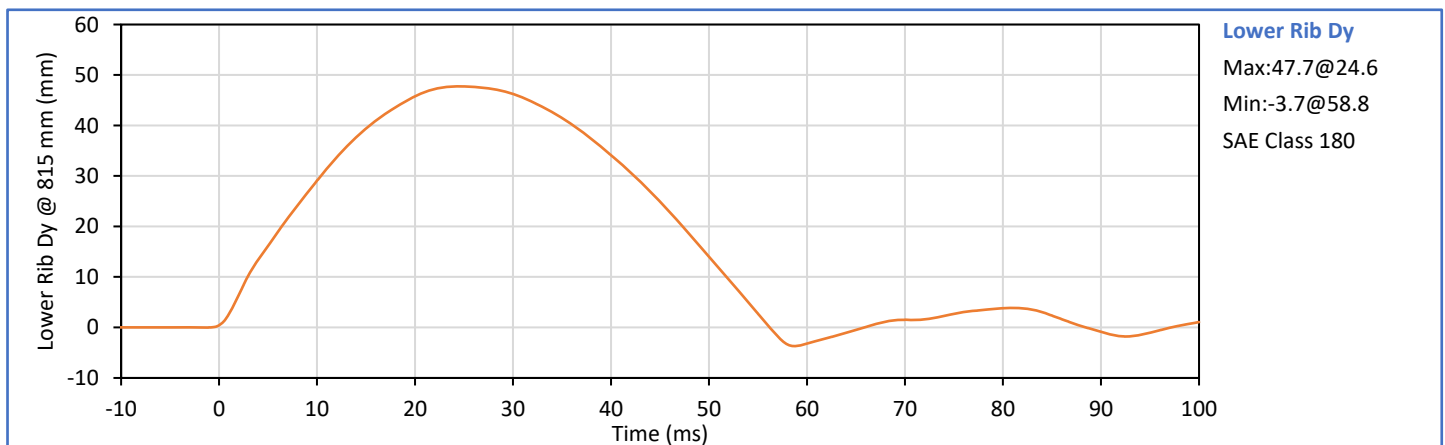
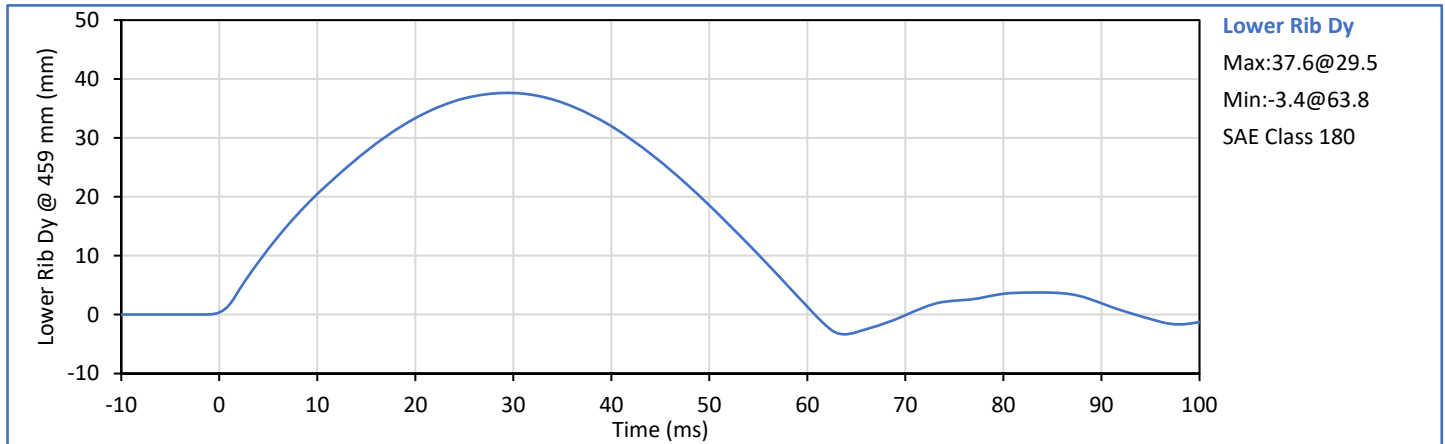
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Middle Rib Dy @ 459mm	mm	36.0	40.0	37.2	Pass
Middle Rib Dy @ 815mm	mm	46.0	51.0	49.4	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

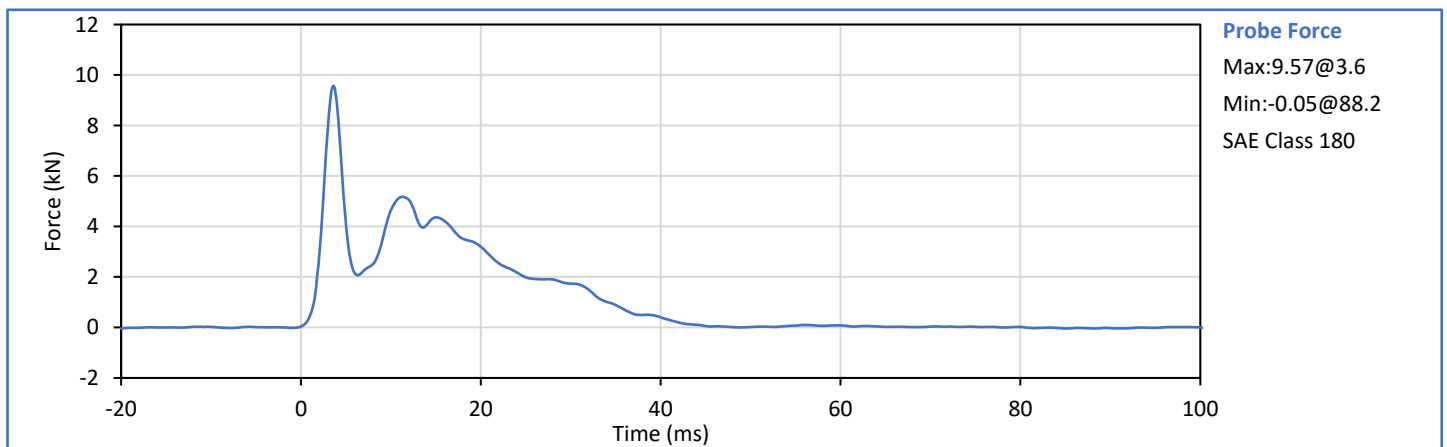
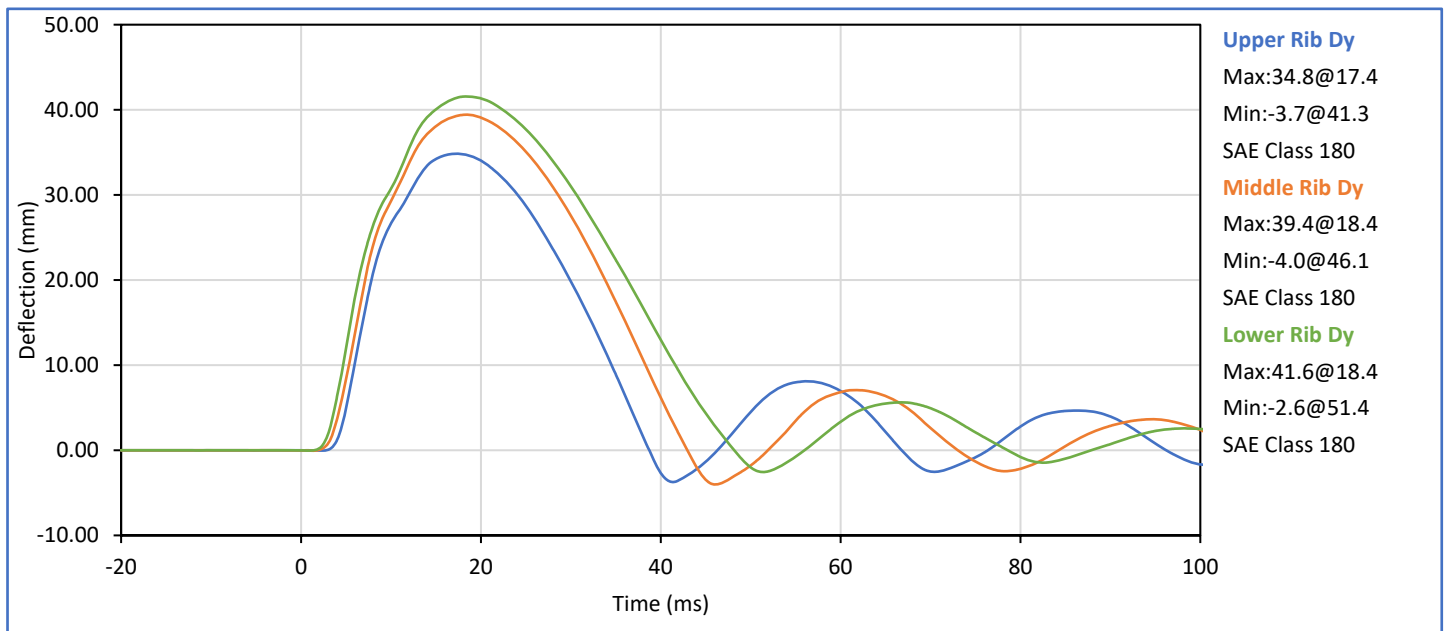
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Lower Rib Dy @ 459mm	mm	36.0	40.0	37.6	Pass
Lower Rib Dy @ 815mm	mm	46.0	51.0	47.7	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

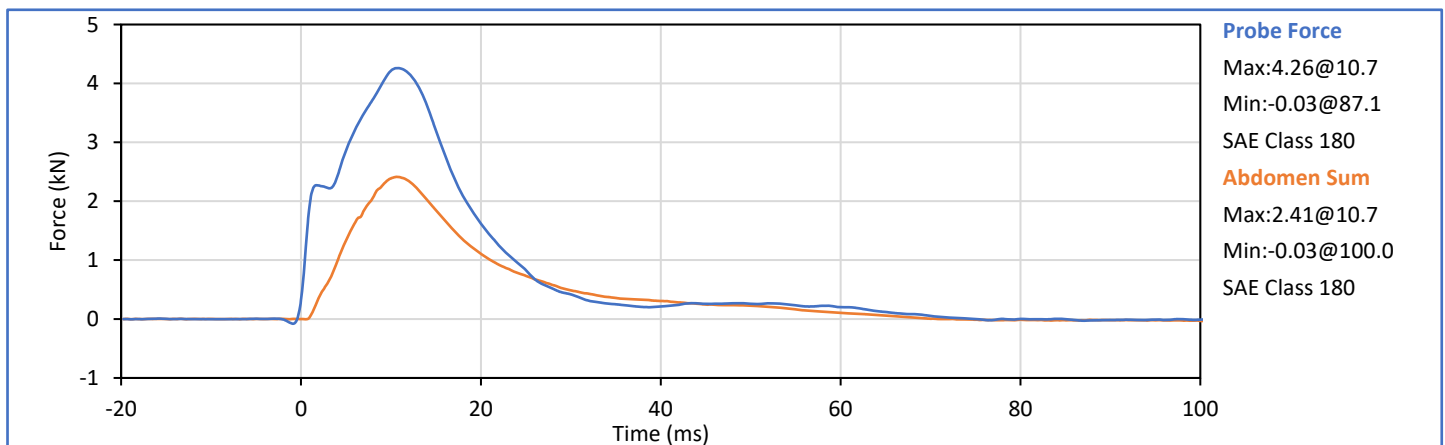
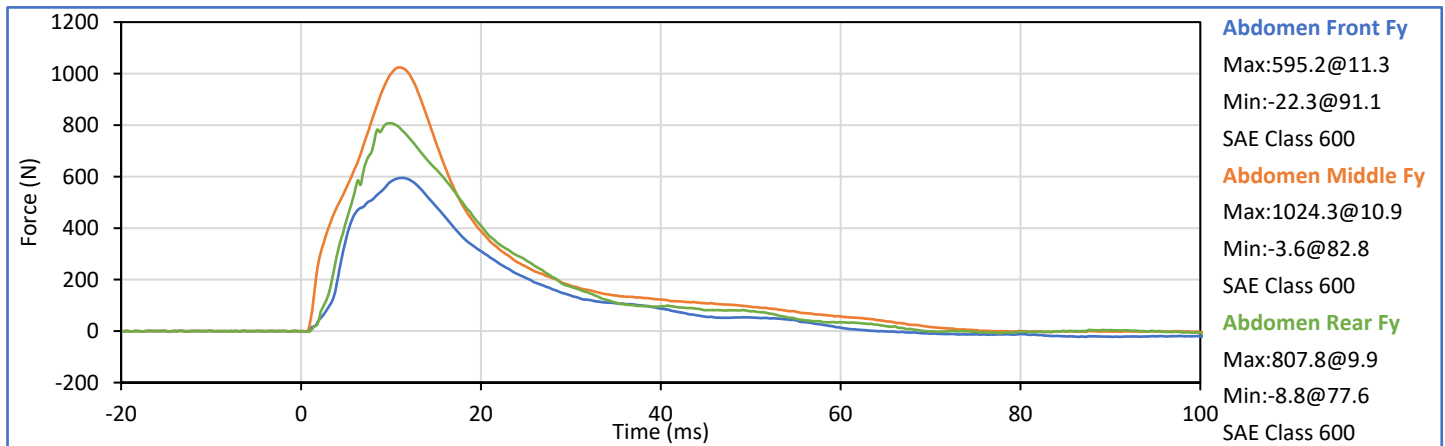
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Impactor Velocity	m/s	5.40	5.60	5.52	Pass
Peak Upper Rib Dy	mm	34.0	41.0	34.8	Pass
Peak Middle Rib Dy	mm	37.0	45.0	39.4	Pass
Peak Lower Rib Dy	mm	37.0	44.0	41.6	Pass
Peak Impactor Force After 6 ms	kN	5.10	6.20	5.17	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

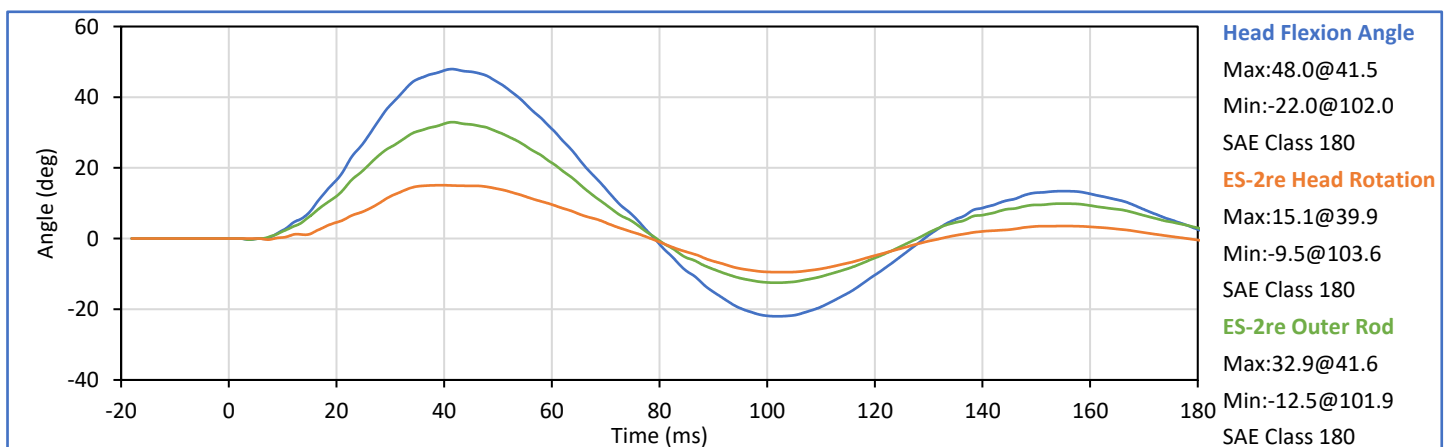
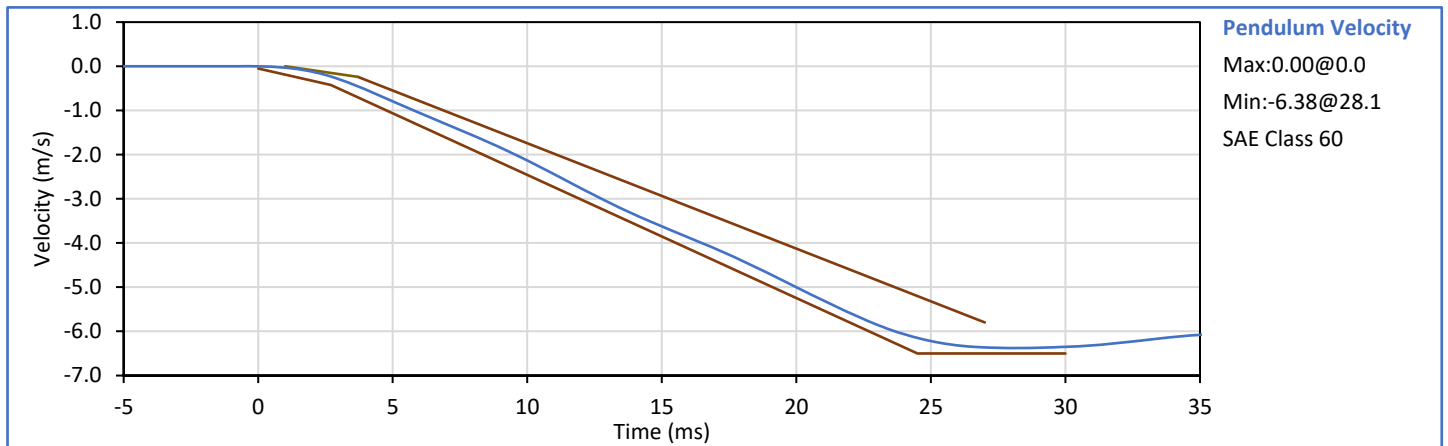
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Impactor Velocity	m/s	3.90	4.10	4.01	Pass
Peak Impactor Force	kN	4.00	4.80	4.26	Pass
Time of Peak Impactor Force	ms	10.6	13.0	10.7	Pass
Sum of Abdomen Forces	kN	2.20	2.70	2.41	Pass
Time of Peak Sum Abdomen Force	ms	10.0	12.3	10.7	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

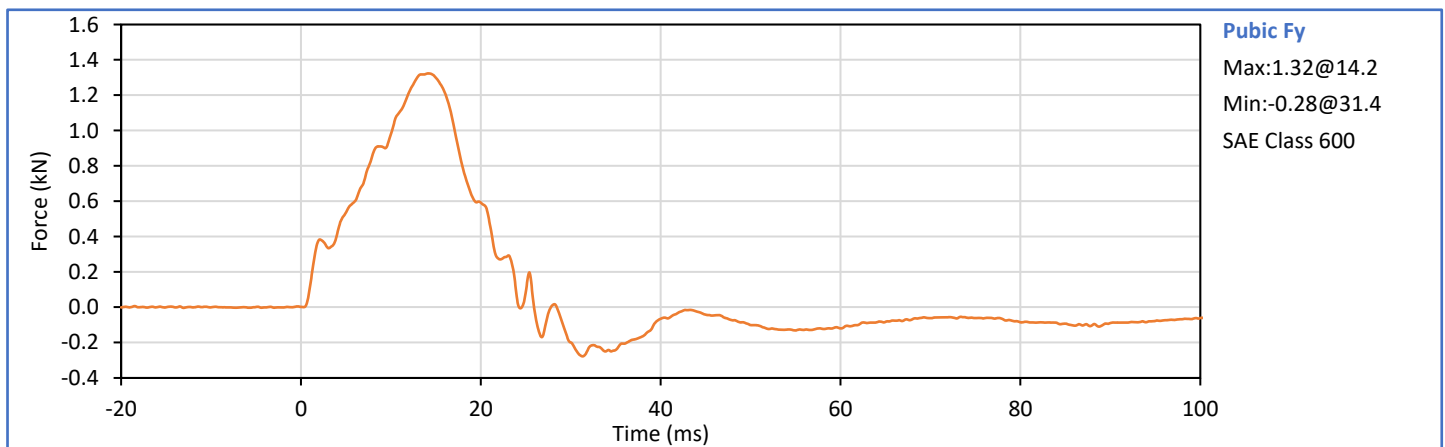
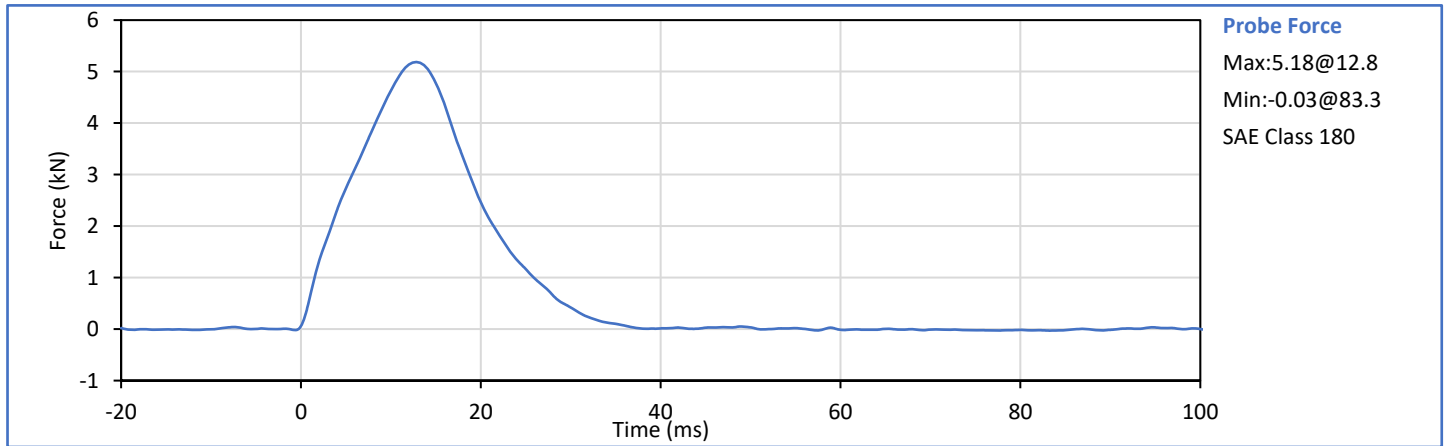
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Pendulum Velocity	m/s	5.95	6.15	6.06	Pass
Peak Headform Flexion	deg	45.0	55.0	48.0	Pass
Time of Peak Headform Flexion	ms	39.0	53.0	41.5	Pass
Flexion Decay (Peak to zero)	ms	37.0	57.0	37.6	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Impactor Velocity	m/s	4.20	4.40	4.32	Pass
Peak Impactor Force	kN	4.70	5.40	5.18	Pass
Time of Peak Impactor Force	ms	11.8	16.1	12.8	Pass
Pubic Symphysis Fy	kN	1.23	1.59	1.32	Pass
Time of Peak Pubic Symphysis Fy	ms	12.2	17.0	14.2	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

APPENDIX C
Post-Test ATD Qualification and Performance Verification
SID-IIs Small Side Impact ATD, Left Side Configuration
S/N: 299

ATD Serial No.: 299

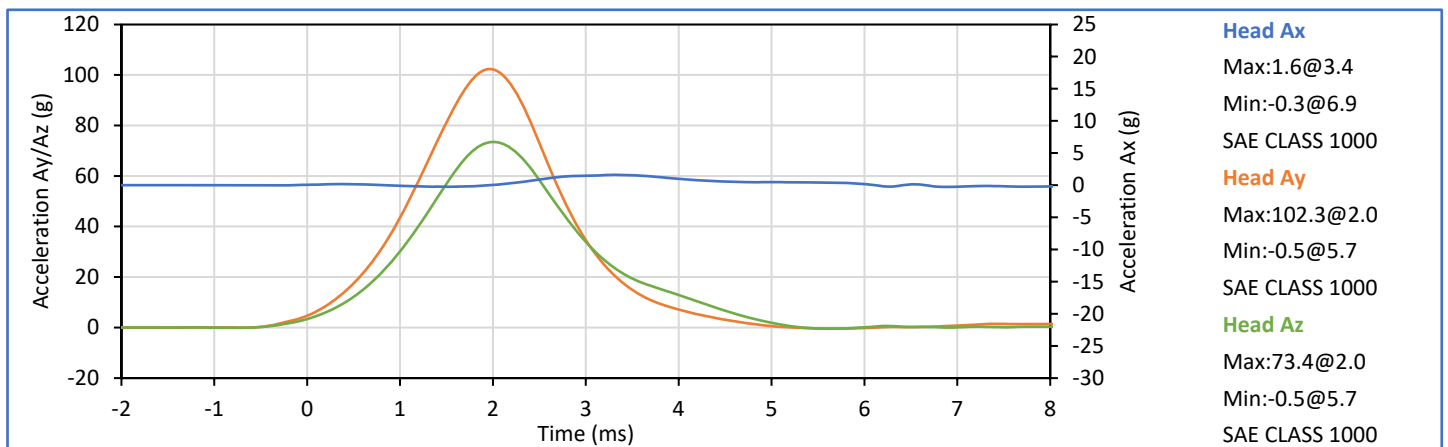
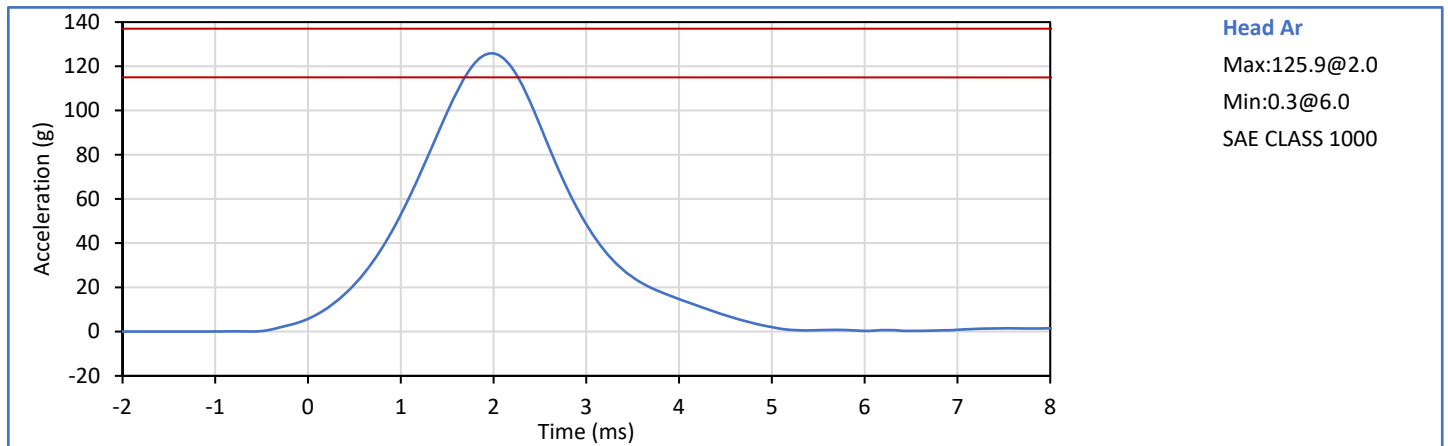
Test Date: 2025-12-16

Tested Parameter	Units	Spec Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.1	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
A - Sitting Height	mm	772	788	780	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	147	Pass
E - Shoulder Pivot From Backline	mm	97	107	105	Pass
F - Thigh Clearance	mm	119	135	129	Pass
G - Head Breadth	mm	140	148	145	Pass
H - Head Back From Backline	mm	40	46	43	Pass
I - Head Depth	mm	178	188	185	Pass
J - Head Circumference	mm	541	551	550	Pass
K - Buttock To Knee Length	mm	514	540	530	Pass
L - Popliteal Height	mm	343	369	358	Pass
K - Knee Pivot To Floor Height	mm	392	409	398	Pass
N - Buttock Popliteal Length	mm	416	442	427	Pass
O - Chest Depth W/O Jacket	mm	195	211	207	Pass
P - Foot Length	mm	216	232	230	Pass
Q - Hip Breadth (W/Pelvic Plugs)	mm	313	323	318	Pass
R - Arm Length	mm	249	259	252	Pass
S - Knee Joint To Seatback	mm	477	493	487	Pass
V - Shoulder Width	mm	341	357	350	Pass
W - Foot Width	mm	78	94	89	Pass
Y - Chest Circumference W/Jacket	mm	851	881	866	Pass
Z - Waist Circumference	mm	761	791	772	Pass
				Overall Test Results	Pass

Technician: A. Ponce

Approved By: J. Hernandez

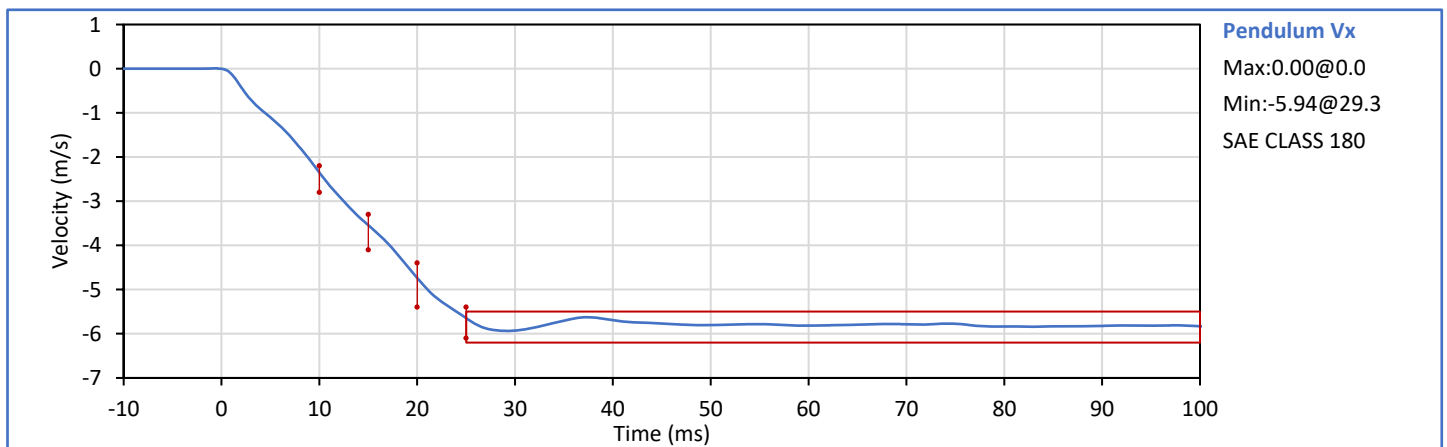
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Peak Resultant Acceleration	g	115.0	137.0	125.9	Pass
Peak Head Ax	g	-15.0	15.0	1.6	Pass
Oscillations After Main Pulse	%	0.0	15.0	1.2	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
			Overall Test Results	Pass	



Technician: A. Ponce

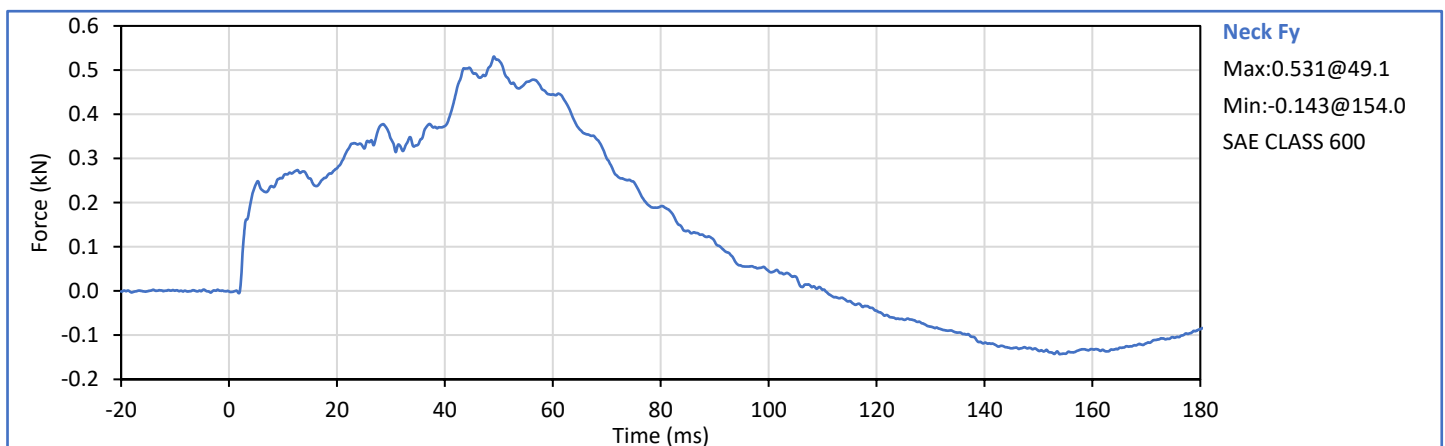
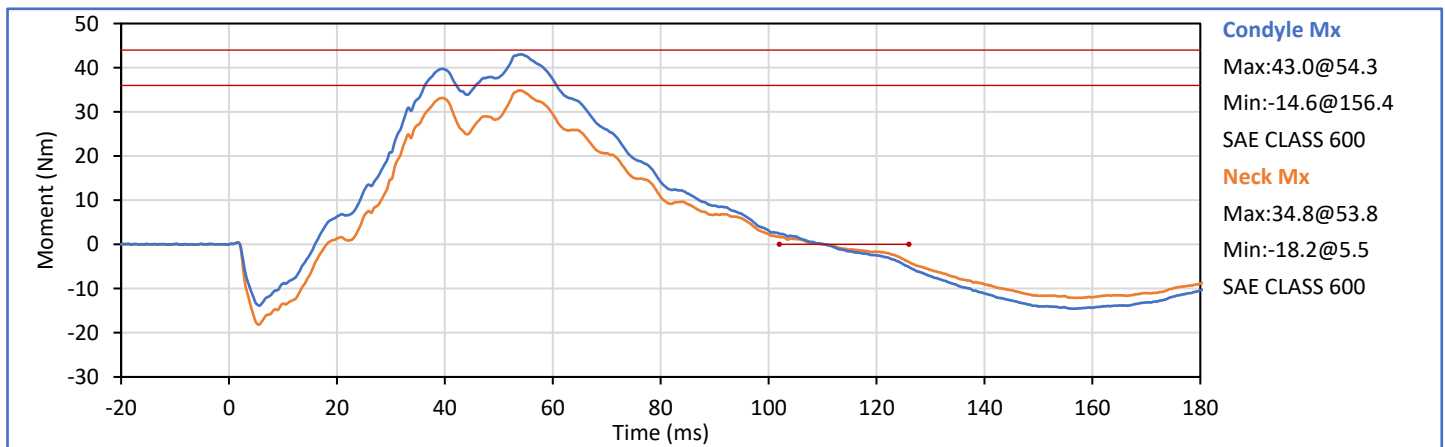
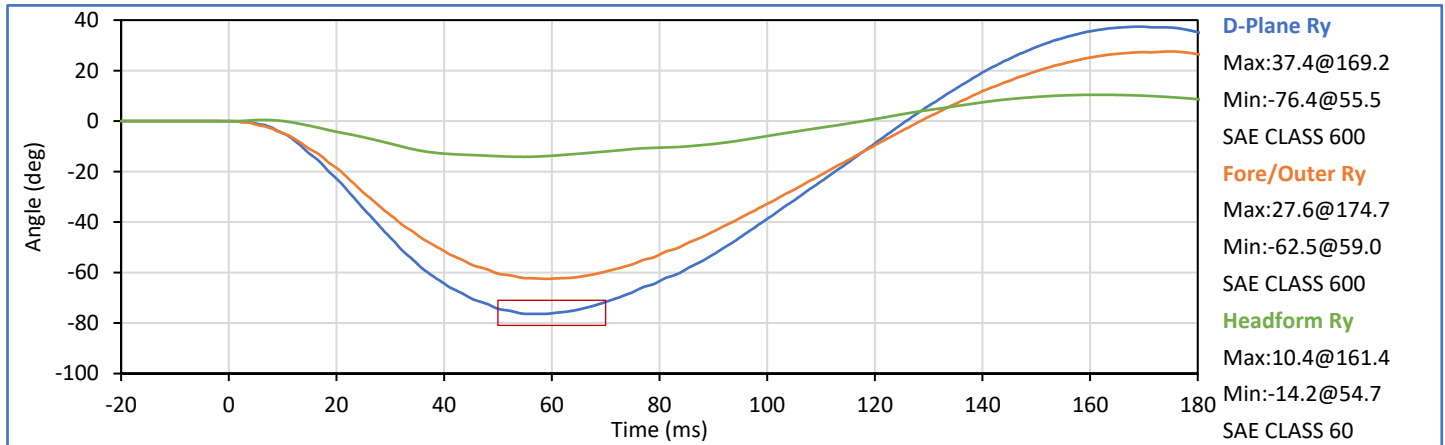
Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.5	Pass
Laboratory Relative Humidity	%	10	70	37	Pass
Pendulum Velocity	m/s	5.51	5.63	5.57	Pass
Pendulum Decel at 10 ms	m/s	-2.80	-2.20	-2.35	Pass
Pendulum Decel at 15 ms	m/s	-4.10	-3.30	-3.54	Pass
Pendulum Decel at 20 ms	m/s	-5.40	-4.40	-4.74	Pass
Pendulum Decel at 25 ms	m/s	-6.10	-5.40	-5.65	Pass
Pendulum Decel from 25-100 ms	m/s	-6.20	-5.50	-5.94/-5.63	Pass
Peak "D" Plane Rotation	deg	-81.0	-71.0	-76.4	Pass
Time of Peak "D" Plane Rotation	ms	50.0	70.0	55.5	Pass
Peak Occ. Condyle Moment	Nm	36.0	44.0	43.0	Pass
Time of Moment Decay to 0 Nm	ms	102.0	126.0	110.3	Pass
				Overall Test Results	Pass



Technician: A. Ponce

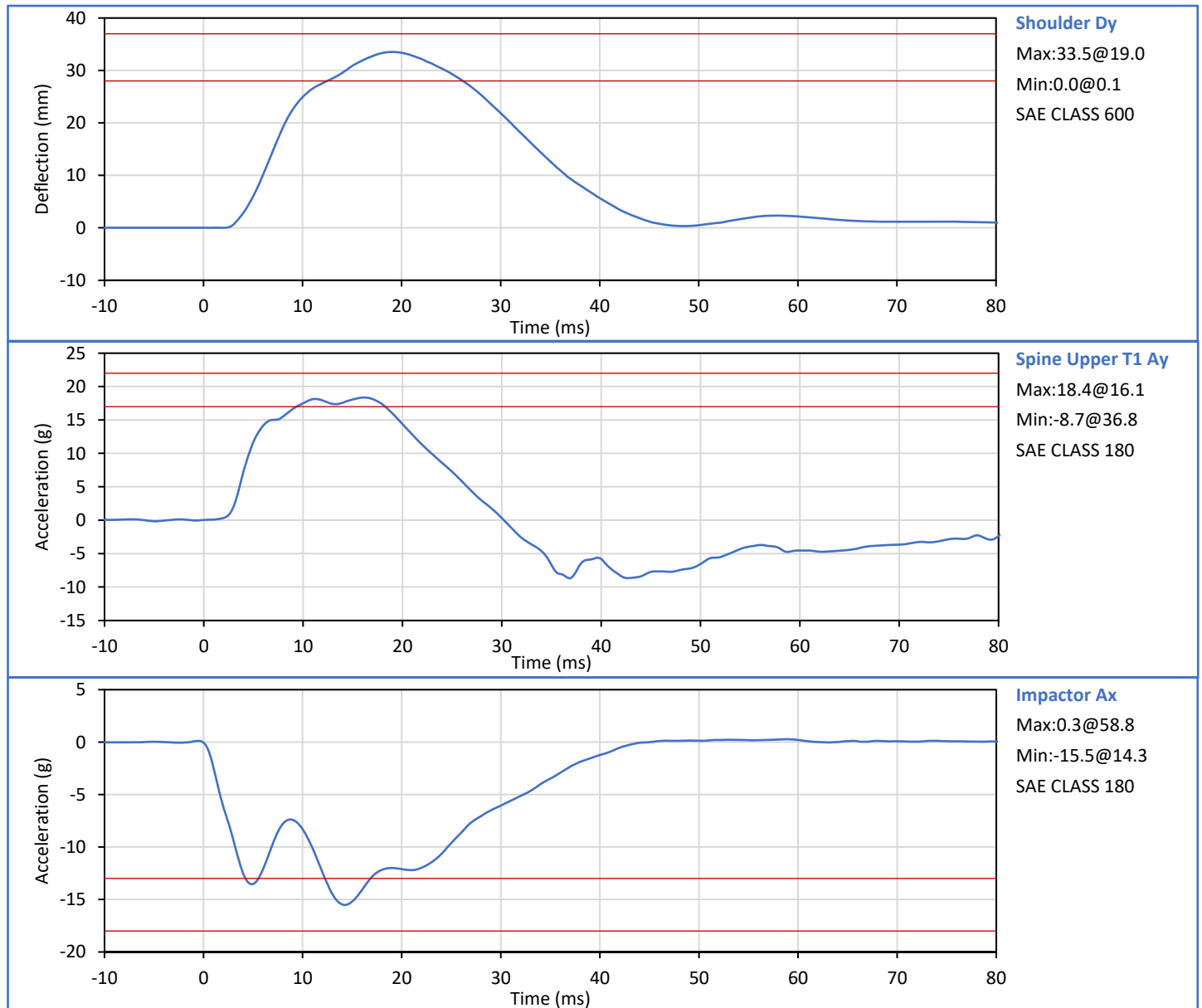
Approved By: J. Hernandez



ATD Serial No.: 299

Test Date: 2025-12-16

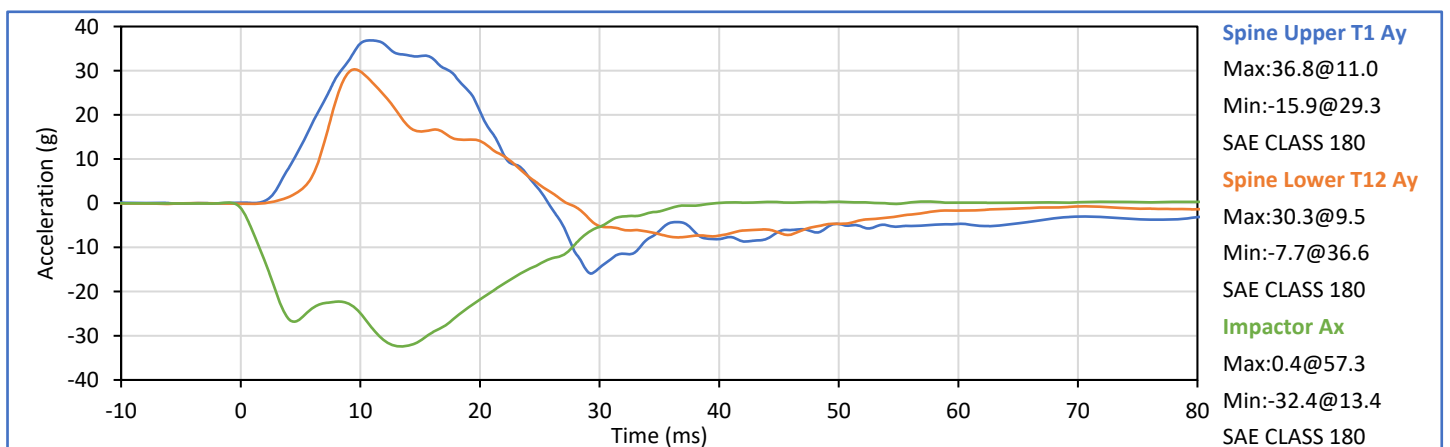
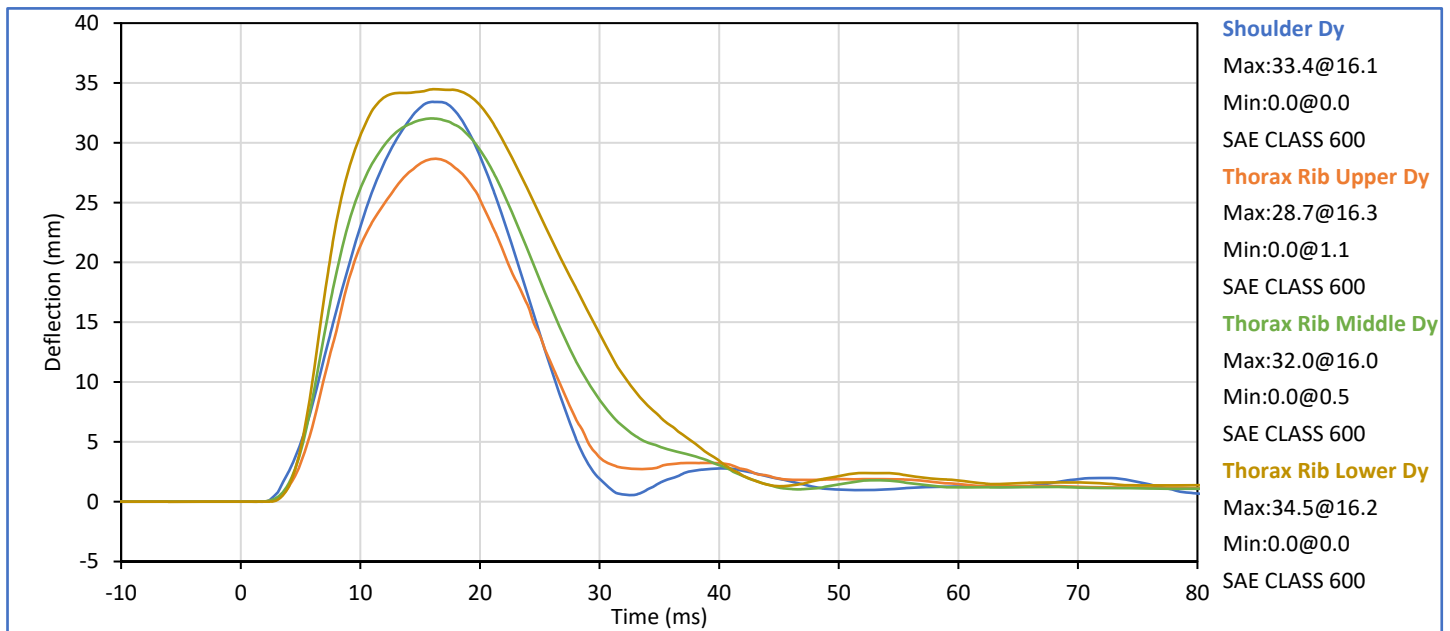
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Impactor Velocity	m/s	4.20	4.40	4.30	Pass
Peak Shoulder Dy	mm	28.0	37.0	33.5	Pass
Peak Upper Spine (T1) Ay	g	17.0	22.0	18.4	Pass
Peak Impactor Ax	g	-18.0	-13.0	-15.5	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

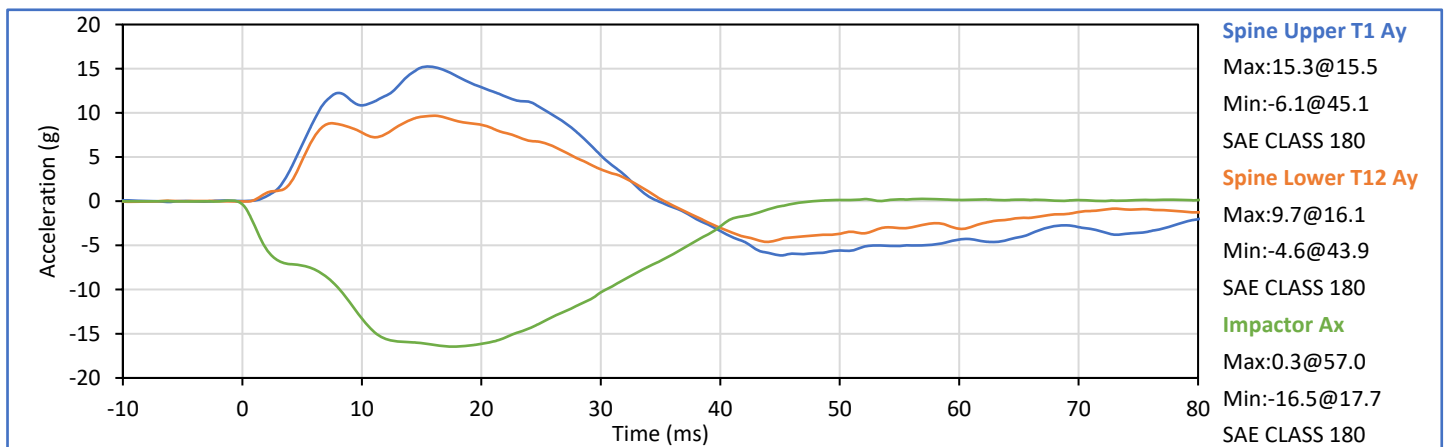
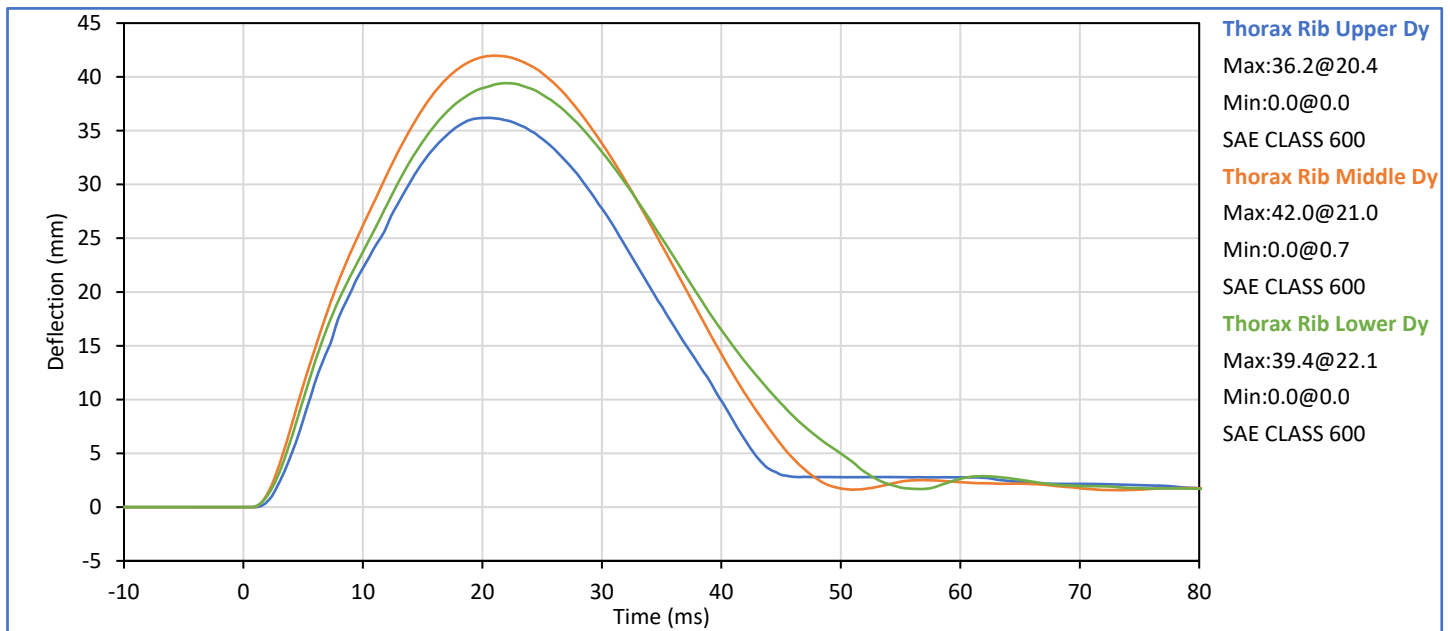
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Impactor Velocity	m/s	6.60	6.80	6.71	Pass
Peak Shoulder Dy	mm	31.0	40.0	33.4	Pass
Peak Upper Rib Dy	mm	25.0	32.0	28.7	Pass
Peak Middle Rib Dy	mm	30.0	36.0	32.0	Pass
Peak Lower Rib Dy	mm	32.0	38.0	34.5	Pass
Peak Upper Spine (T1) Ay	g	34.0	43.0	36.8	Pass
Peak Lower Spine (T12) Ay	g	29.0	37.0	30.3	Pass
Peak Impactor Ax	g	-36.0	-30.0	-32.4	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

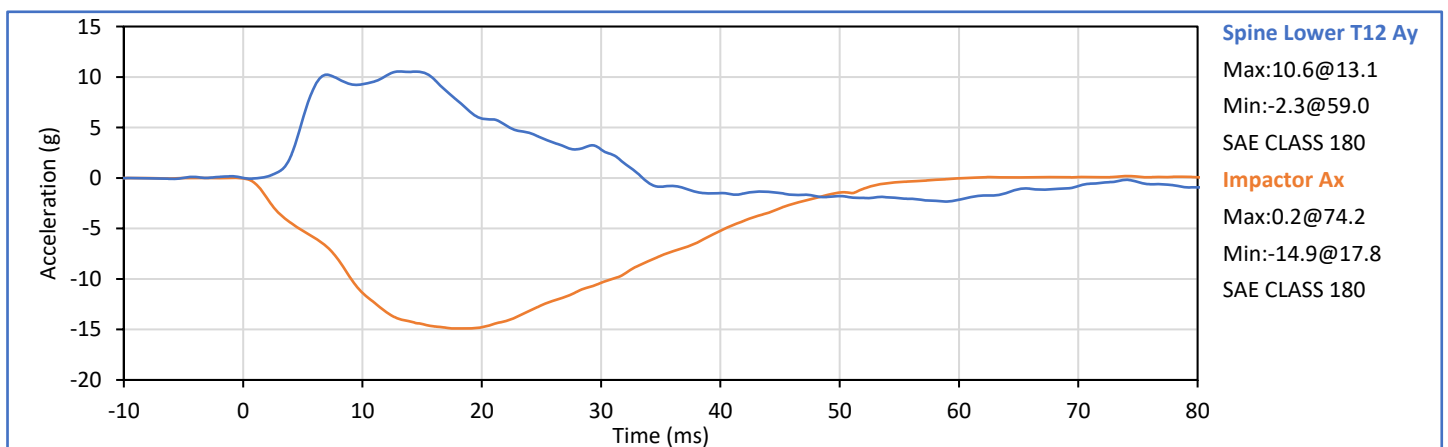
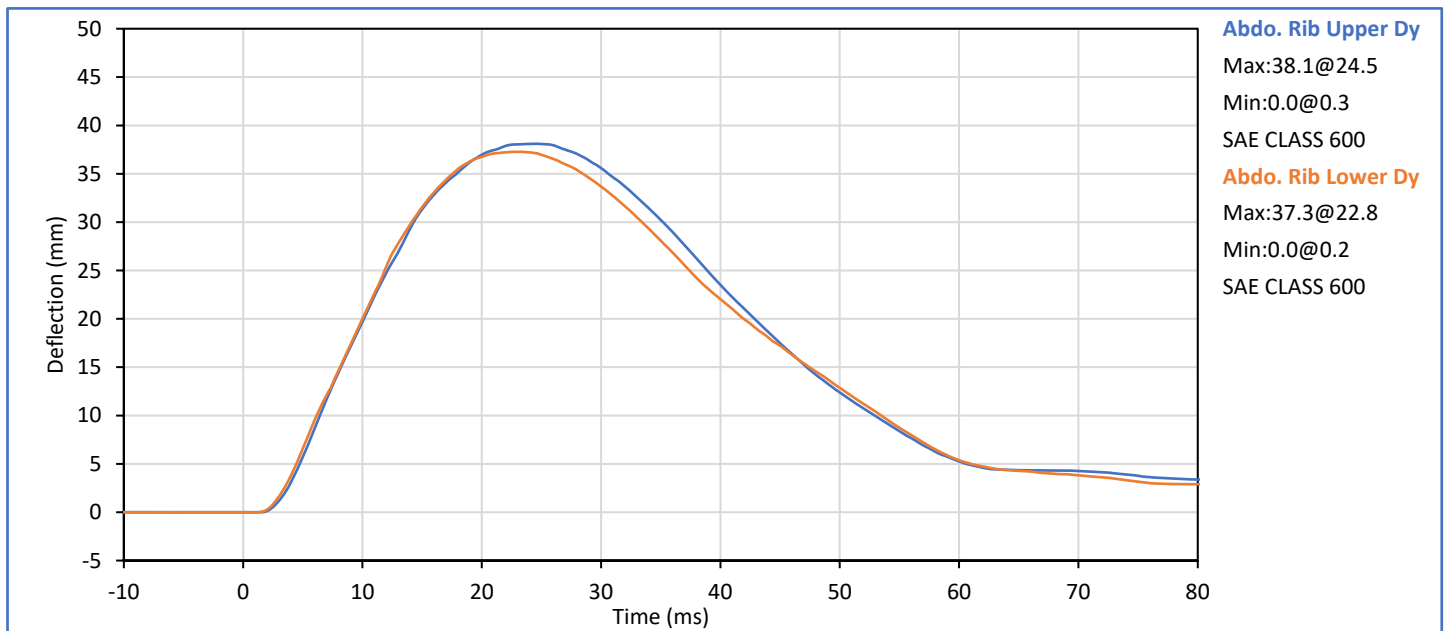
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Impactor Velocity	m/s	4.20	4.40	4.31	Pass
Peak Thorax Rib Upper Dy	mm	32.0	40.0	36.2	Pass
Peak Thorax Rib Middle Dy	mm	39.0	45.0	42.0	Pass
Peak Thorax Rib Lower Dy	mm	35.0	43.0	39.4	Pass
Peak Spine Upper T1 Ay	g	13.0	17.0	15.3	Pass
Peak Spine Lower T12 Ay	g	7.0	11.0	9.7	Pass
Peak Impactor Ax	g	-18.0	-14.0	-16.5	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Impactor Velocity	m/s	4.20	4.40	4.32	Pass
Peak Upper Abdomen Rib Dy	mm	36.0	47.0	38.1	Pass
Peak Lower Abdomen Rib Dy	mm	33.0	44.0	37.3	Pass
Peak Lower Spine T12 Ay	mm	9.0	14.0	10.6	Pass
Peak Impactor Ax	g	-16.0	-12.0	-14.9	Pass
Overall Test Results					Pass



Technician: A. Ponce

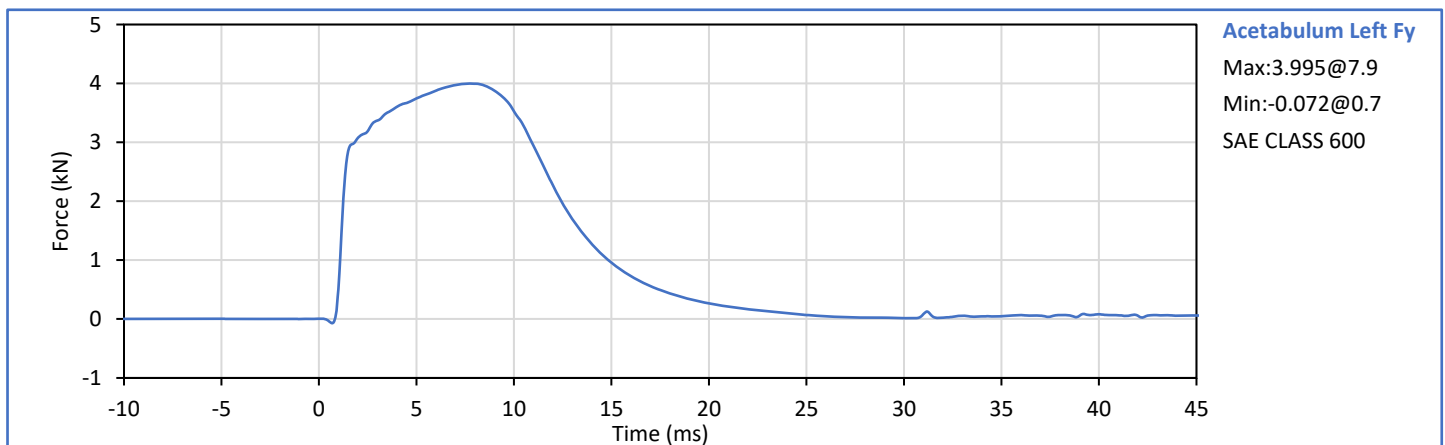
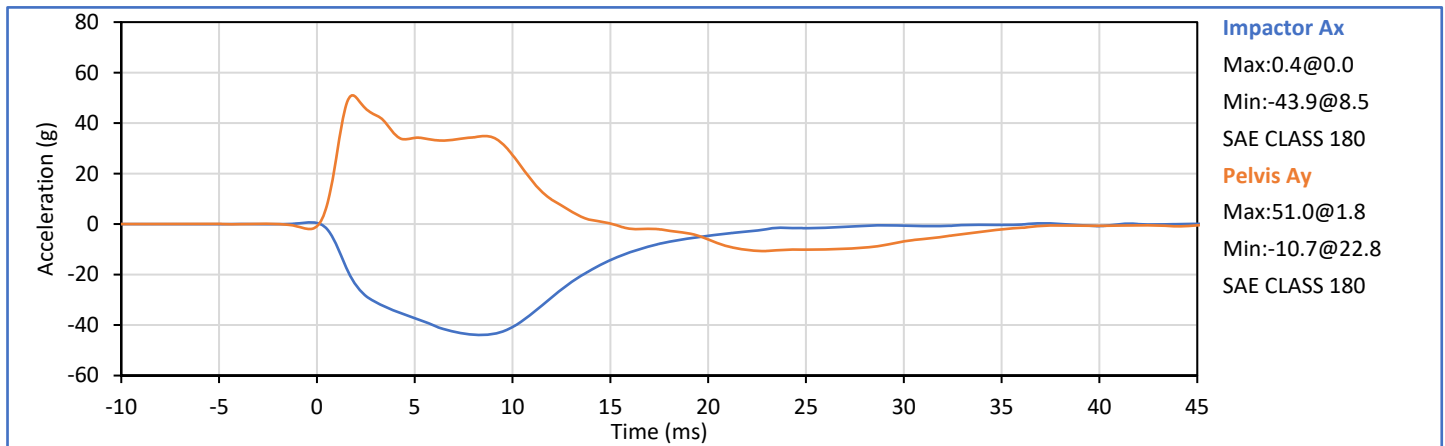
Approved By: J. Hernandez

ATD Serial No.: 299

Test Date: 2025-12-16

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	34	Pass
Impactor Velocity	m/s	6.60	6.80	6.71	Pass
Peak Acetabulum Fy	kN	3.60	4.30	3.99	Pass
Pelvis Ay after 6ms	g	34.0	42.0	34.9	Pass
Peak Impactor Ax	g	-47.0	-38.0	-43.9	Pass
Overall Test Results					Pass

Pelvis Plug S/N: 17221



Technician: A. Ponce

Approved By: J. Hernandez

ATD Serial No.: 299

Test Date: 2025-12-16

Pelvis Plug S/N: 17221



SID-IIs Pelvis Plug Certification Test

Plug S/N 17221

Test Number 24120

Report Number 24177

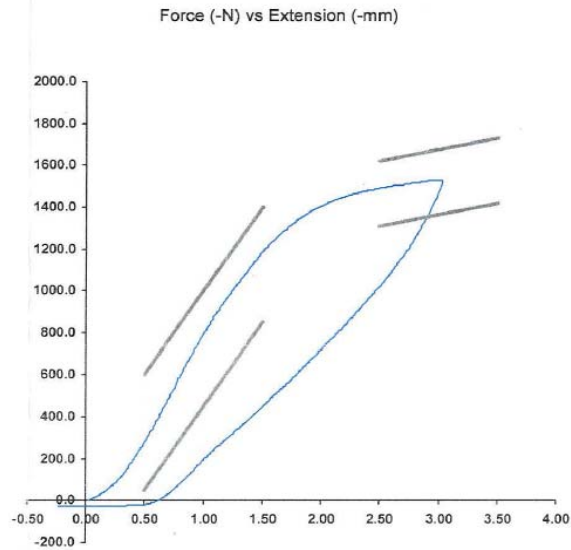
Test Date 8/25/2022 6:49:09 AM

	Test Results	Spec Min	Spec Max
Force @ 0.5 mm (N)	284	50	600
Force @ 1.5 mm (N)	1,186	850	1,400
Force @ 2.5 mm (N)	1,490	1,306	1,618
Force @ 3.0 mm (N)	1,528	1,361	1,673

Testing Machine STM-20 5965542
Load Cell S/N (FI360947), Units (LBS) 1000

Crosshead Speed (mm / min) or Rate 12.7
Extension or Position Measured by XHD_100 (XHD100)

Notes:



Operator

Part Number 180-4450

Template No 107 25-Aug-22
SACO Research

By: DL Date: 8/25/22

SACO Research 41735 Elm St, #401 Murrieta, CA 92562 Tel 310-694-2082 FAX

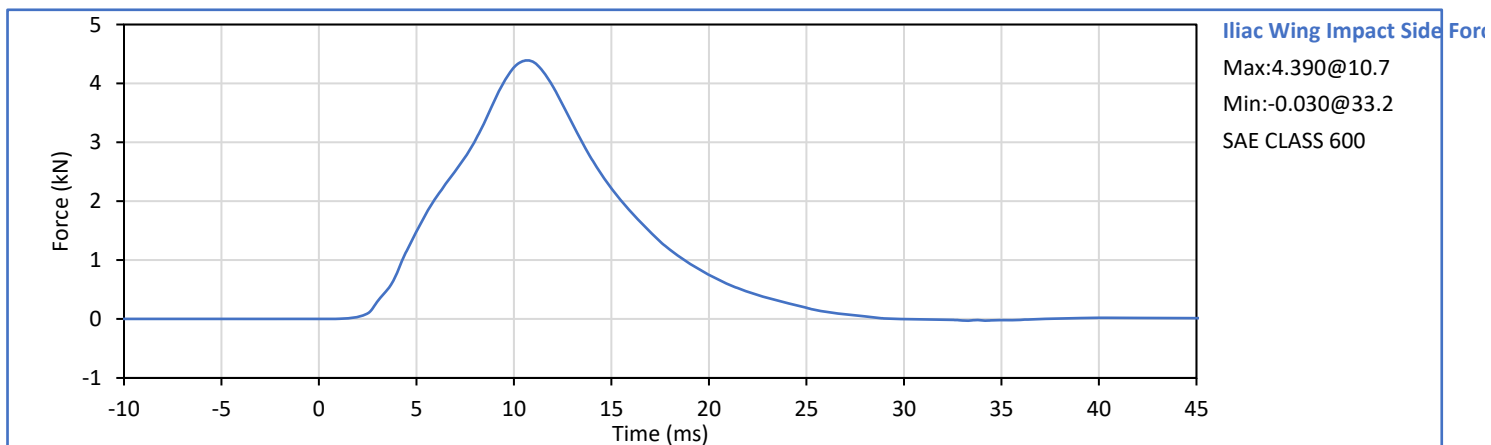
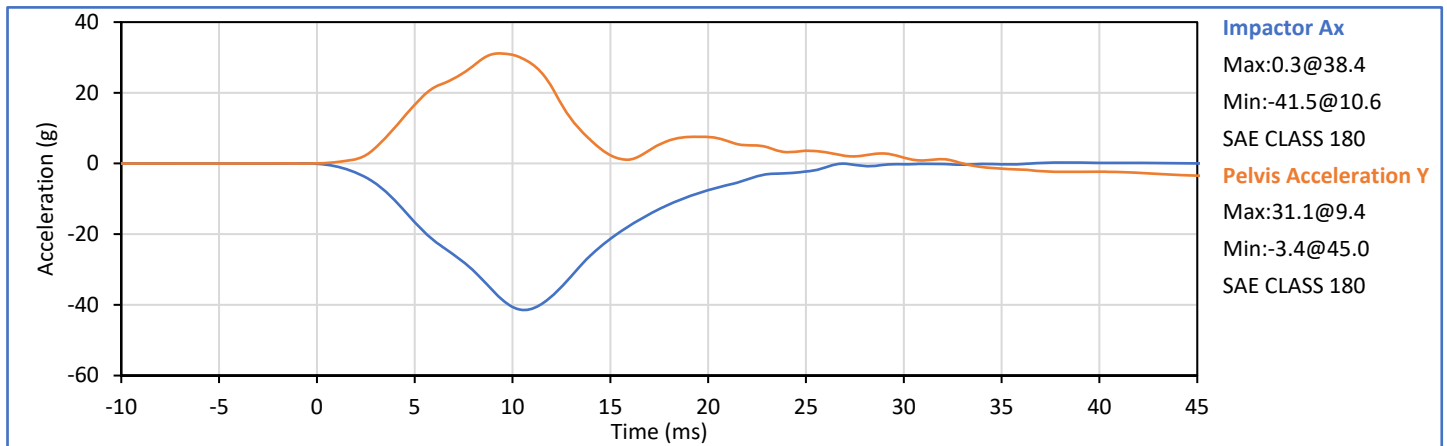
ATD Serial No.: 299

Test Date: 2025-12-22

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Impactor Velocity	m/s	4.20	4.40	4.32	Pass
Peak Iliac Fy	kN	4.10	5.10	4.39	Pass
Peak Pelvis Ay	g	28.0	39.0	34.7	Pass
Peak Impactor Ax	g	-45.0	-36.0	-41.5	Pass
Overall Test Results					Pass

Pelvis Plug S/N: 17751 *

* Plug is not impacted and remains certified



Technician: A. Ponce

Approved By: J. Hernandez

APPENDIX D
TEST EQUIPMENT AND INSTRUMENTATION CALIBRATION DATA

Table 1 - Driver ATD Instrumentation

Sensor Location	Sensor S\N	Mfr	Model	Cal Date
Head Acceleration X Primary	P58858	Endevco	7264C-2k	2025-10-11
Head Acceleration Y Primary	P58865	Endevco	7264C-2k	2025-10-11
Head Acceleration Z Primary	P58867	Endevco	7264C-2k	2025-10-11
Head Acceleration X Redundant	P58859	Endevco	7264C-2k	2025-10-11
Head Acceleration Y Redundant	P58866	Endevco	7264C-2k	2025-10-11
Head Acceleration Z Redundant	P58873	Endevco	7264C-2k	2025-10-11
Upper Thorax Rib Deflection Y	209 (ES-2 Rib)	Honeywell	F38000203	2025-10-06
Middle Thorax Rib Deflection Y	210 (ES-2 Rib)	Honeywell	F38000203	2025-10-06
Lower Thorax Rib Deflection Y	207 (ES-2 Rib)	Honeywell	F38000203	2025-10-06
Anterior Abdominal Force Y	1504 Fy	R.A. Denton	2631J	2025-05-15
Middle Abdominal Force Y	1505 Fy	R.A. Denton	2631J	2025-05-15
Posterior Abdominal Force Y	201 Fy	R.A. Denton	IF-600	2025-05-15
Lower Spine T12 Acceleration X	P63856	Endevco	7264C-2k	2025-10-11
Lower Spine T12 Acceleration Y	P50063	Endevco	7264C-2k	2025-10-11
Lower Spine T12 Acceleration Z	P51880	Endevco	7264C-2k	2025-10-13
Pubic Symphysis Force Y	506 (Pubic)	R.A. Denton	3096JFL	2025-05-15

Table 2 - Left Rear Passenger ATD Instrumentation

Sensor Location	Sensor S\N	Mfr	Model	Cal Date
Head Acceleration X Primary	P51929	Endevco	7264C-2k	2025-10-10
Head Acceleration Y Primary	P50086	Endevco	7264C-2k	2025-10-10
Head Acceleration Z Primary	P51931	Endevco	7264C-2k	2025-10-10
Head Acceleration X Redundant	P68604	Endevco	7264C-2k	2025-10-10
Head Acceleration Y Redundant	P51934	Endevco	7264C-2k	2025-10-10
Head Acceleration Z Redundant	P58736	Endevco	7264C-2k	2025-10-10
Head Rotation Rate X	ARS11393	DTS	ARS PRO-18k (2kHz)	2025-08-05
Head Rotation Rate Y	ARS13119	DTS	ARS PRO-18k (2kHz)	2025-08-05
Head Rotation Rate Z	ARS14944	DTS	ARS PRO-18k (2kHz)	2025-08-05
Upper Thorax Rib Deflection Y	1143	Servo	08TCI-3725	2025-10-11
Middle Thorax Rib Deflection Y	1075	Servo	08TCI-3725	2025-10-05
Lower Thorax Rib Deflection Y	1213	Servo	08TCI-3725	2025-10-05
Upper Abdomen Rib Deflection Y	1218	Servo	08TCI-3725	2025-10-10
Lower Abdomen Rib Deflection Y	1177	Servo	08TCI-3725	2025-10-10
Lower Spine T12 Acceleration X	P58761	Endevco	7264C-2k	2025-10-10
Lower Spine T12 Acceleration Y	P50077	Endevco	7264C-2k	2025-10-10
Lower Spine T12 Acceleration Z	P58795	Endevco	7264C-2k	2025-10-10
Iliac Wing Impact Side Force Y	284 (Iliac)	R.A. Denton	3228J	2025-05-15
Acetabulum Impact Side Force Y	260 (Acetabulum)	R.A. Denton	3249J	2025-05-15

Table 3 - Vehicle Instrumentation

Sensor Location	Sensor S\N	Mfr	Model	Cal Date
Vehicle CG Ax	M11037	Endevco	758H-2k	2025-07-16
Vehicle CG Ay	M13714	Endevco	758H-2k	2025-07-28
Vehicle CG Az	M14658	Endevco	7264HM6-2k-360	2025-09-28
Right Side Sill at Front Seat Ax	M13719	Endevco	758H-2k	2025-08-05
Right Side Sill at Front Seat Ay	M10906	Endevco	758H-2k	2025-10-29
Right Side Sill at Front Seat Az	M14024	Endevco	758HM6-2k	2025-06-16
Right Side Sill at Rear Seat Ax	M14412	Endevco	7264C-2KTZ-2-360	2025-08-23
Right Side Sill at Rear Seat Ay	M11044	Endevco	758H-2k	2025-06-26
Right Side Sill at Rear Seat Az	M11053	Endevco	758H-2k	2025-07-30
Left Side Sill at Front Seat Ay	M11130	Endevco	758H-2k	2025-10-29
Left Side Sill at Rear Seat Ay	M14004	Endevco	7264HM6-2k-360	2025-06-27
Left Lower A-Pillar Ay	M13988	Endevco	758H-2k	2025-06-21
Left Middle A-Pillar Ay	M13950	Endevco	758H-2k	2025-06-27
Left Lower B-Pillar Ay	M14584	Endevco	758H-2k	2025-10-29
Left Middle B-Pillar Ay	M13982	Endevco	758H-2k	2025-10-29
Driver Seat Track at H-Point Ay	M10904	Endevco	758H-2k	2025-10-29
Rear Seat Structure Ay	M14427	Endevco	758H-2k	2025-08-31
Right Rear Occupant Comp. Ay	M14031	Endevco	758HM6-2k	2025-06-19
Engine Block Top Ax	M14006	Endevco	7264HM6-2k-360	2025-10-29
Engine Block Top Ay	M13946	Endevco	758H-2k	2025-10-29
Rear Floopan Above Axle Ax	M13964	Endevco	758H-2k	2025-10-29
Rear Floopan Above Axle Ay	M13727	Endevco	758H-2k	2025-07-31
Rear Floopan Above Axle Az	M14424	Endevco	7264HM6-2k-360	2025-08-21

Table 4 - Moving Deformable Barrier (MDB) Instrumentation

Sensor Location	Sensor S\N	Mfr	Model	Cal Date
MDB CG Ax	M14389	Endevco	7264HM6-2k-360	2025-07-30
MDB CG Ay	M14396	Endevco	7264HM6-2k-360	2025-07-27
MDB CG Az	M11093	Endevco	758H-2k	2025-07-30
MDB Left Side at Rear Axle Ax	M13716	Endevco	758H-2k	2025-07-29
MDB Left Side at Rear Axle Ay	M13727	Endevco	758H-2k	2025-07-31