

Report Number: NCAP-KAR-25-007

**NEW CAR ASSESSMENT PROGRAM (NCAP)
FRONTAL BARRIER IMPACT TEST**

**SUBARU CORPORATION
2026 SUBARU CROSSTREK HYBRID 5-DOOR MPV
NHTSA NUMBER: O20265500**

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



JANUARY 8, 2026

FINAL REPORT

**U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
OFFICE OF CRASHWORTHINESS STANDARDS
MAIL CODE : NRM-100
1200 NEW JERSEY AVE, SE
WASHINGTON, DC 20590**

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Prepared By: Mr. Rushlan Amin, Project Engineer
Applus+ IDIADA KARCO Engineering, LLC.

Reviewed By: Mr. René Molina Serrano, Laboratory Manager
Applus+ IDIADA KARCO Engineering, LLC.

Approved By: Mr. Alex Beltran, Engineering Manager
Applus+ IDIADA KARCO Engineering, LLC.

Approval Date: _____ January 8, 2026 _____

FINAL REPORT ACCEPTANCE BY OCWS:

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

Date: _____

COTR, New Car Assessment Program
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Date: _____

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16. Abstract A 56.3 km/h NCAP Frontal Impact Test was conducted on a 2026 Subaru Crosstrek Hybrid 5-Door MPV in accordance with the specifications of the Office of Crashworthiness Standards Frontal NCAP Laboratory Test Procedure. The test was conducted at the Applus+ IDIADA KARCO Engineering, LLC. facility in Adelanto, California on December 11, 2025. The impact velocity of the vehicle was 56.75 km/h and the ambient temperature at the barrier face at the time of impact was 18.3°C. The target vehicle's post-test maximum crush was 510 mm at DPD 4 to the right of the vehicle's centerline. The test vehicle's performance is as follows: <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Measurement Description</th> <th rowspan="2">Units</th> <th colspan="2">Driver ATD</th> <th colspan="2">Passenger ATD</th> </tr> <tr> <th>Threshold</th> <th>Result</th> <th>Threshold</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>Head Injury Criteria (HIC₁₅)</td> <td>N/A</td> <td>700</td> <td>185.925</td> <td>700</td> <td>220.545</td> </tr> <tr> <td>Maximum Chest Compression</td> <td>mm</td> <td>63</td> <td>22.106</td> <td>52</td> <td>13.621</td> </tr> <tr> <td>Nij</td> <td>N/A</td> <td>1</td> <td>0.267</td> <td>1</td> <td>0.393</td> </tr> <tr> <td>Neck Tension</td> <td>N</td> <td>4170</td> <td>1270.259</td> <td>2620</td> <td>1002.557</td> </tr> <tr> <td>Neck Compression</td> <td>N</td> <td>4000</td> <td>211.815</td> <td>2520</td> <td>121.156</td> </tr> <tr> <td>Left Femur Force</td> <td>N</td> <td>10008</td> <td>1222.116</td> <td>6805</td> <td>1842.698</td> </tr> <tr> <td>Right Femur Force</td> <td>N</td> <td>10008</td> <td>1840.520</td> <td>6805</td> <td>1195.743</td> </tr> </tbody> </table>				Measurement Description	Units	Driver ATD		Passenger ATD		Threshold	Result	Threshold	Result	Head Injury Criteria (HIC ₁₅)	N/A	700	185.925	700	220.545	Maximum Chest Compression	mm	63	22.106	52	13.621	Nij	N/A	1	0.267	1	0.393	Neck Tension	N	4170	1270.259	2620	1002.557	Neck Compression	N	4000	211.815	2520	121.156	Left Femur Force	N	10008	1222.116	6805	1842.698	Right Femur Force	N	10008	1840.520	6805	1195.743
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TABLE OF CONTENTS

<u>Section</u>		<u>Page No.</u>
1	Purpose and Summary of Test	1
2	Occupant and Vehicle Information / Data Sheets	3
<u>Data Sheet No.</u>		<u>Page No.</u>
1	General Test and Vehicle Parameter Data	4
2	Seat Adjustment, Fuel System, and Steering Wheel Data	8
3	Dummy Longitudinal Clearance Dimensions	10
4	Dummy Lateral Clearance Dimensions	11
5	Seat Belt Positioning Data	12
6	High-Speed Camera Locations and Data	13
7	Vehicle Accelerometer Locations	15
8	Photographic Reference Target Locations	16
9	Load Cell Locations on Fixed Barrier	17
10	Test Vehicle Summary of Results	18
11	Post-Test Observations	19
12	Vehicle Profile Measurements	20
13	Accident Investigation Division Data	22
14	Vehicle Intrusion Measurements	23
15	Summary of Indicant FMVSS 212 and 219 (Partial) Data	25
16	FMVSS 301 Barrier Impact and Static Rollover Results	26
17	Dummy / Vehicle Temperature Stabilization Chart	28
305-1	General Test and Vehicle Parameter Data for Indicant FMVSS No. 305 Testing	29
305-2	Pre-Impact Data for Indicant FMVSS No. 305 Testing	31
305-3	Pre-Impact Electrical Isolation Measurements and Calculations for Indicant FMVSS No. 305 Testing	32
305-4	Post-Impact Data for Indicant FMVSS No. 305 Testing	33
305-5	Static Rollover Test Data for Indicant FMVSS No. 305 Testing	34
<u>Appendix</u>		<u>Page No.</u>
A	Photographic Documentation	A
B	Dummy Response Data Traces	B
C	Dummy Qualification and Performance Verification Data	C
D	Test Equipment and Instrumentation Calibration	D

SECTION 1

PURPOSE AND SUMMARY OF TEST

PURPOSE

This 56.3 km/h frontal barrier impact test is part of the Vehicle Barrier Impact Testing Program, sponsored by the National Highway Traffic Safety Administration (NHTSA) under contract number 693JJ919D000004. The purpose of this test was to obtain vehicle crashworthiness and occupant restraint system performance data for consumer information purposes.

The 56.3 km/h frontal barrier impact test was conducted in accordance with the Office of Crashworthiness Standards Laboratory Procedure dated May 2018 for NCAP Full Frontal Rigid Barrier Impact Testing.

SUMMARY

A load cell barrier consisting of 176 load cells was impacted by a 2026 Subaru Crosstrek Hybrid 5-Door MPV at a velocity of 56.75 km/h. The test was performed at Applus+ IDIADA KARCO Engineering, LLC. on December 11, 2025. Pre- and post-test photographs of the vehicle and dummies can be found in Appendix A of this report.

One (1) real-time camera and sixteen (16) high-speed cameras were used to document the frontal barrier impact event. Camera locations and other pertinent camera information can be found in Data Sheet 6 of this report.

One Part 572E HIII 50th percentile male anthropomorphic test device (ATD) was placed in the driver seating position and one Part 572O HIII 5th percentile female ATD was placed in the right-front passenger seating position according to dummy placement instructions specified in the Laboratory Procedure for NCAP Full Frontal Rigid Barrier Impact Testing.

Both ATDs were fully instrumented with head, chest and pelvis tri-axial accelerometers, chest displacement potentiometers, upper neck force transducers, right / left femur load cells, and lower leg instrumentation.

The driver (position 1) ATD (Serial No. 360) and the right-front passenger (position 2) ATD (Serial No. DH1644) were qualified prior to this test. Certification details, along with instrumentation calibration data, are found in Appendix C of this report.

The 102 channels of dummy and vehicle response data were recorded on an on-board data acquisition system. Appendix B contains dummy response data traces. Appendix D contains a complete list of instrumentation used for dummies and the vehicle.

There was 100 percent windshield retention and no intrusion into the protected zone of the windshield during the event. There was no solvent or electrolyte spillage after the event or during any phase of the static rollover.

The maximum static crush of the test vehicle was 510 mm at DPD 4 to the right of the vehicle's centerline. Both the driver and passenger side doors remained closed during the impact event and were operable after the impact.

The driver's visible contact points were as follows: the driver ATD's head contacted the frontal air bag, and headrest. The upper and lower torso contacted the frontal air bag. The driver's knees contacted the knee air bag.

The passenger's visible contact points were as follows: the passenger ATD's head contacted the frontal air bag and headrest. The upper and lower torso contacted the frontal air bag. The passenger's knees contacted the knee bolster.

The occupant data is summarized below:

ATD Position	HIC ₁₅	Nij	Neck Tension (N)	Neck Comp. (N)	3ms Chest Clip (g)	Chest Disp. (mm)	Left Femur (N)	Right Femur (N)
Driver (50th Male)	185.925	0.267	1270.259	211.815	47.032	22.106	1222.116	1840.520
Passenger (5th Female)	220.545	0.393	1002.557	121.156	46.149	13.621	1842.698	1195.743

GENERAL COMMENTS:

None.

SECTION 2

OCCUPANT AND VEHICLE INFORMATION / DATA SHEETS

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

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 Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

TEST VEHICLE INFORMATION AND OPTIONS

NHTSA Number	O20265500
Model Year	2026
Make	Subaru
Model	Crosstrek Hybrid
Body Style	5-Door MPV
VIN	JF2GUSND9T8201753
Body Color	Crystal White Pearl
Odometer Reading (km / mi)	14/9
Engine Displacement (L)	2.5
Type / No. of Cylinders	4 Cylinder Boxer
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	Yes
Anti-Lock Brakes (ABS)	Yes
Automatic Door Locks (ADLs)	Yes

Traction Control System	Yes
Power Steering	Yes
Power Window Auto-Reverse	Yes
Driver Frontal Airbag	Yes
Driver Curtain Airbag	Yes
Driver Head/Torso Airbag	No
Driver Torso Airbag	No
Driver Torso/Pelvis Airbag	Yes
Driver Pelvis Airbag	No
Driver Knee Airbag	Yes
Front Pass. Frontal Airbag	Yes
Front Pass. Curtain Airbag	Yes
Front Pass. Head/Torso Airbag	No
Front Pass. Torso Airbag	No
Front Pass. Torso/Pelvis Airbag	Yes
Front Pass. Pelvis Airbag	No
Front Pass. Knee Airbag	No
Driver Seat Belt Pretensioner	Yes
Driver Load Limiter	Yes
Front Pass. Seat Belt Pretensioner	Yes
Front Pass. Load Limiter	Yes
Other Safety Restraint	Passenger Seat Cushion Air Bag

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

Yes, Page 145

DATA FROM CERTIFICATION LABEL

Manufactured By	Subaru Corporation
Date of Manufacture	Sep-25

GVWR (kg)	2352
GAWR Front (kg)	1300
GAWR Rear (kg)	1286

VEHICLE SEATING AND CAPACITY WEIGHT INFORMATION

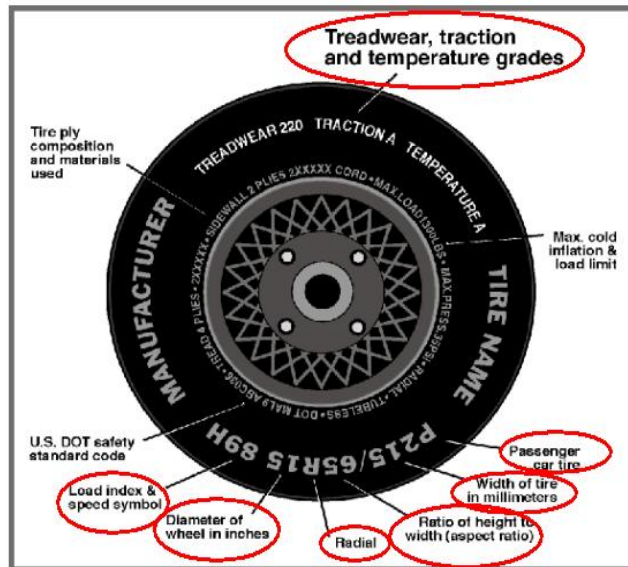
Measured Parameter	Front	Rear	Third	Total
Type of Seats	Bucket	Split Bench		
Designated Seating Capacity	2	3		5
Capacity Weight (VCW) (kg)				408.0
DSC x 68.0 (kg)				340.0
Cargo Weight (RCLW) (kg)				68.0

*Maximum RCLW used in testing a truck, MPV, or bus is 136 kg.

DATA SHEET NO. 1 ... (CONTINUED)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025



VEHICLE TIRE INFORMATION

Measured Parameter	Front	Rear
Max. Tire Pressure (kPa)	350	350
Cold Pressure (kPa)	240	230
Recommended Tire Size	225/55 R18	225/55 R18
Tire Size on Vehicle	225/55 R18	225/55 R18
Tire Manufacturer	Falken	Falken
Tire Model	Ziex ZE001 A/S	Ziex ZE001 A/S
Treadwear	360	360
Traction	A	A
Temperature Grades	A	A
Tire Plies Sidewall	2 Polyester	2 Polyester
Tire Plies Body	2 Polyester, 2 Steel, 1 Polyamide	2 Polyester, 2 Steel, 1 Polyamide
Load Index / Speed Symbol	98V	98V
Tire Material	Rubber	Rubber
DOT Safety Code Left	1R800 FM2R2625	1R800 FM2R2625
DOT Safety Code Right	1R800 FM2R2625	1R800 FM2R2625

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

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

TEST VEHICLE WEIGHTS

	Units	As Delivered Weights (UWV)			As Tested Weights (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	491.5	354.0		536.0	409.0	
Right	kg	476.0	317.5		507.0	389.0	
Ratio	%	59.0%	41.0%	100.0%	56.7%	43.3%	100.0%
Total	kg	967.5	671.5	1639.0	1043.0	798.0	1841.0

TARGET TEST WEIGHT CALCULATION

Measured Parameter	Units	Value	
Total Delivered Weight (UWV)	kg	1639.0	A
Weight of 1 P572E ATD & 1 P572O ATD	kg	141.0	B
Rated Cargo/Luggage Weight (RCLW)	kg	68.0	C
Calculated Vehicle Target Weight (TVTW)	kg	1848.0	A+B+C

TEST VEHICLE ATTITUDES

Condition	Units	LF	RF	LR	RR	CG Aft of Front Axle
As Delivered	mm	765	770	765	785	1091
As Tested	mm	767	767	768	778	1155
Post-Test	mm			770	790	

GENERAL TEST VEHICLE DATA

Measurement Description	Units	Value
Total Vehicle Wheelbase	mm	2663
Total Vehicle Length at Left Side	mm	4006
Total Vehicle Length at Centerline	mm	4493
Total Vehicle Length at Right Side	mm	4006
Weight of Ballast in Cargo Area	kg	68.5
Weight of Vehicle Components Removed	kg	4.0
Amount of Stoddard Solvent in Fuel Tank	L	58.44

VEHICLE COMPONENTS REMOVED TO MEET TEST WEIGHT:

None.

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

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

TARGET VEHICLE STRUCTURAL MEASUREMENTS

No.	Description	Pre-Test
1	Total Length	4493
2	Total Width	1788
3	Bumper Top Height	544
4	Bumper Bottom Height	457
5	Longitudinal Member Top Height	596
6	Distance Between Longitudinal Members	877
7	Longitudinal Member Width	101
8	Engine Top Height	919
9	Engine Bottom Height	302
10	Engine and Gearbox Width	615
11	Front Bumper to Engine Distance	492
12	Front Shock Absorber Fixing Height	920
13	Bonnet Leading Edge Height	656
14	Front Shock Absorber Fixing Width	1285
15	Front Bumper to Front Axle Distance	974
16	Front Axle to A-Pillar Distance	550
17	A-Pillar to B-Pillar Distance	1106
18	B-Pillar to Rear Axle Distance	1291
19	B-Pillar to C-Pillar Distance	956
20	Roof Sill Bottom Height	1438
21	Roof Sill Top Height	1523
22	Floor Sill Bottom Height	272
23	Floor Sill Top Height	409

*All measurements in millimeters.

DATA SHEET NO. 2

SEAT ADJUSTMENT, FUEL SYSTEM, AND STEERING WHEEL DATA

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV

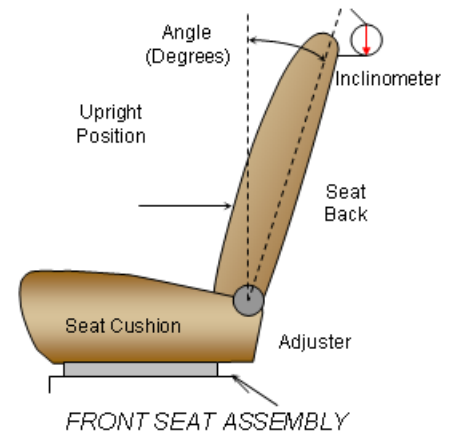
NHTSA No.: O20265500

Test Program: 56.3 km/h Frontal Impact NCAP Test

Test Date: 12/11/2025

NOMINAL DESIGN RIDING POSITION

The procedure for the driver is as follows: the seat back is set to the manufacturer's designated angle. The procedure for the passenger is as follows: the seat back is set to position the transverse instrumentation platform of the dummy's head at $0^\circ \pm 0.5^\circ$. Seat back angle is measured at the seatback with straight edge.

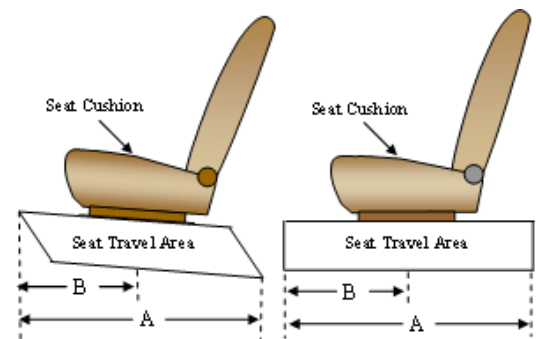


SEAT BACK ANGLE

Seating Position	Degrees
Driver Seat Back Angle	14.3
Passenger Seat Back Angle	6.9

SEAT FORE / AFT POSITIONING

The total seat travel is measured from the forward most possible position to the rear most possible position. The driver's seat is set to the middle of the fore-aft travel. The passenger's seat is set to the forward most position where the ATD will not contact any interior panels.



SEAT FORE/AFT POSITIONS

Seating Position	Total Fore-Aft Travel	Placed in Position
Driver Seat	260	107
Passenger Seat	260	0

SEAT BELT UPPER ANCHORAGE

The seat belt upper anchorage is positioned to the manufacturer's design position for a 50th percentile adult male ATD for the driver, and a 5th percentile adult female ATD for the passenger. Position "L" is the lowermost position, followed by position "M1". Position "H" is the uppermost position.

SEAT BELT UPPER ANCHORAGES

Seating Position	Total No. of Positions	Placed in Position
Driver Seat	4	M2
Passenger Seat	4	H

DATA SHEET NO. 2 ... (CONTINUED)

SEAT ADJUSTMENT, FUEL SYSTEM, AND STEERING WHEEL DATA

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV

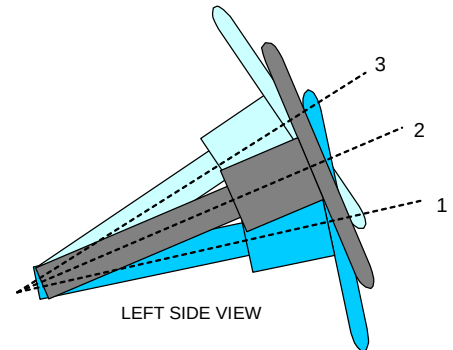
NHTSA No.: O20265500

Test Program: 56.3 km/h Frontal Impact NCAP Test

Test Date: 12/11/2025

STEERING COLUMN ADJUSTMENT

Steering wheel and column adjustments are made so that the steering wheel hub is at the geometric center of the locus it describes when moved through its full range of motion. A digital inclinometer is used to measure a plate which is placed across the rim of the steering wheel for angular measurements.



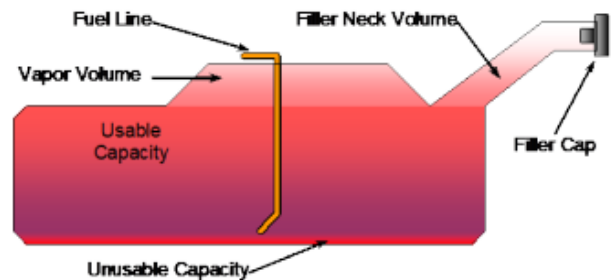
STEERING COLUMN ASSEMBLY

STEERING COLUMN POSITIONING

	Degrees	Fore-Aft Position (mm)
Lowermost Position, No. 1	22.4	118
Geometric Center Position, No. 2	24.0	142
Uppermost Position, No. 3	25.6	165
Telescoping Steering Wheel Travel		47
Test Position	24.0	142

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 started.



VEHICLE FUEL TANK ASSEMBLY

FUEL TANK CAPACITY

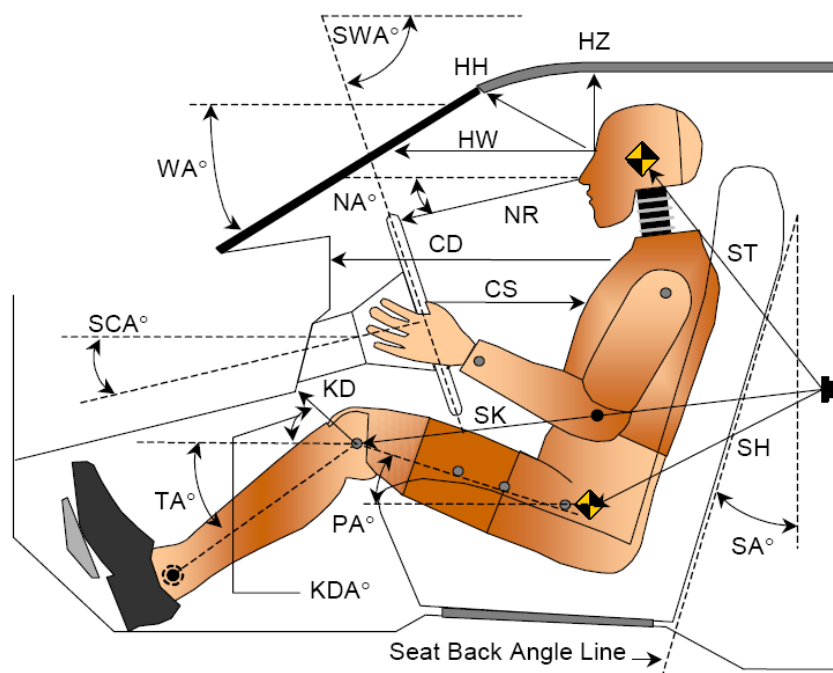
Description	Liters
Usable Capacity of "Standard Tank" (see Form No. 1)	62.84
Usable Capacity of "Optional Tank" (see Form No. 1)	
Usable Capacity of "Standard Tank" (see Owner's Manual)	62.84
Usable Capacity of "Optional Tank" (see Owner's Manual)	
93% of Usable Capacity	58.44
Actual Amount of Solvent Used in Test	58.44
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 Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025



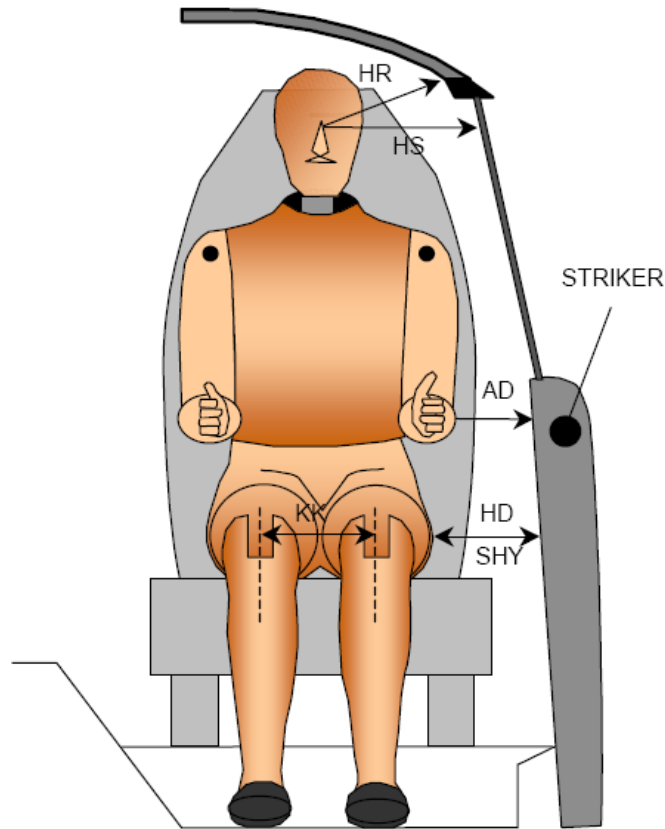
LEFT SIDE VIEW

Code	Measurement Description	Driver		Passenger	
		Length (mm)	Angle (°)	Length (mm)	Angle (°)
WA°	Windshield Angle		28.1		
SWA°	Steering Wheel Angle		65.9		
SCA°	Steering Column Angle		24.1		
SA°	Seat Back Angle (On Seatback)		2.8		5.1
HZ	Head to Roof	221	90.0	224	90.0
HH	Head to Header	324	30.7	310	55.5
HW	Head to Windshield	615	180.0	674	180.0
NR	Nose to Rim	369	9.7	456	26.3
CD	Chest to Dash	543	11.2	410	3.9
CS	Chest to Steering Hub	272	180.0		
RA	Rim to Abdomen	189	180.0		
KDL	Left Knee to Dash	194	15.5	121	17.5
KDR	Right Knee to Dash	146	33.7	133	19.3
PA°	Pelvic Angle		23.5		19.0
TA°	Tibia Angle		43.7		54.7
SK	Striker to Knee	673	10.0	784	9.4
ST	Striker to Head	566	73.4	552	58.4
SH	Striker to H-Point	354	42.4	453	27.9

DATA SHEET NO. 4

DUMMY LATERAL CLEARANCE DIMENSIONS

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025



Code	Description	Driver (mm)	Passenger (mm)
AD	Arm to Door	137	110
HD	H-Point to Door	184	214
HR	Head to Side Header	259	289
HS	Head to Side Window	380	367
KK	Knee to Knee	310	170
AA	Ankle to Ankle	330	170

DATA SHEET NO. 5

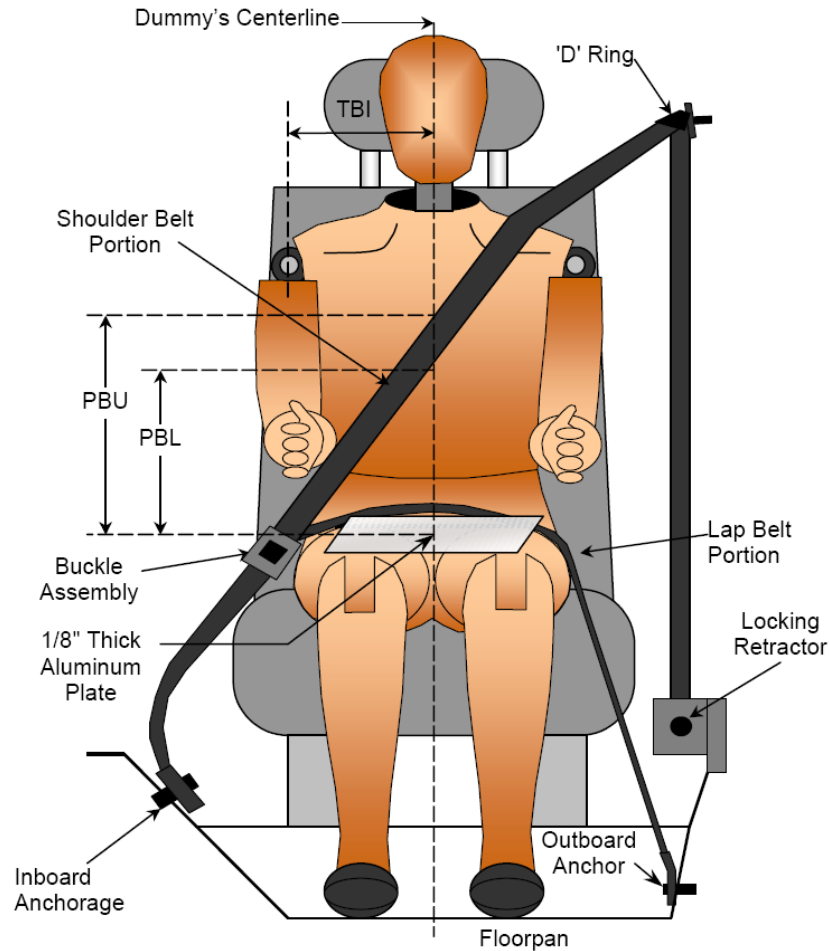
SEAT BELT POSITIONING DATA

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV

NHTSA No.: O20265500

Test Program: 56.3 km/h Frontal Impact NCAP Test

Test Date: 12/11/2025



FRONT VIEW OF DUMMY

SEAT BELT POSITIONING MEASUREMENTS

Code	Measurement Description	Units	Driver	Passenger
PBU	Top Surface of Aluminum Plate to Belt Upper Edge	mm	285	316
PBL	Top Surface of Aluminum Plate to Belt Lower Edge	mm	215	218

BELT LENGTH DATA

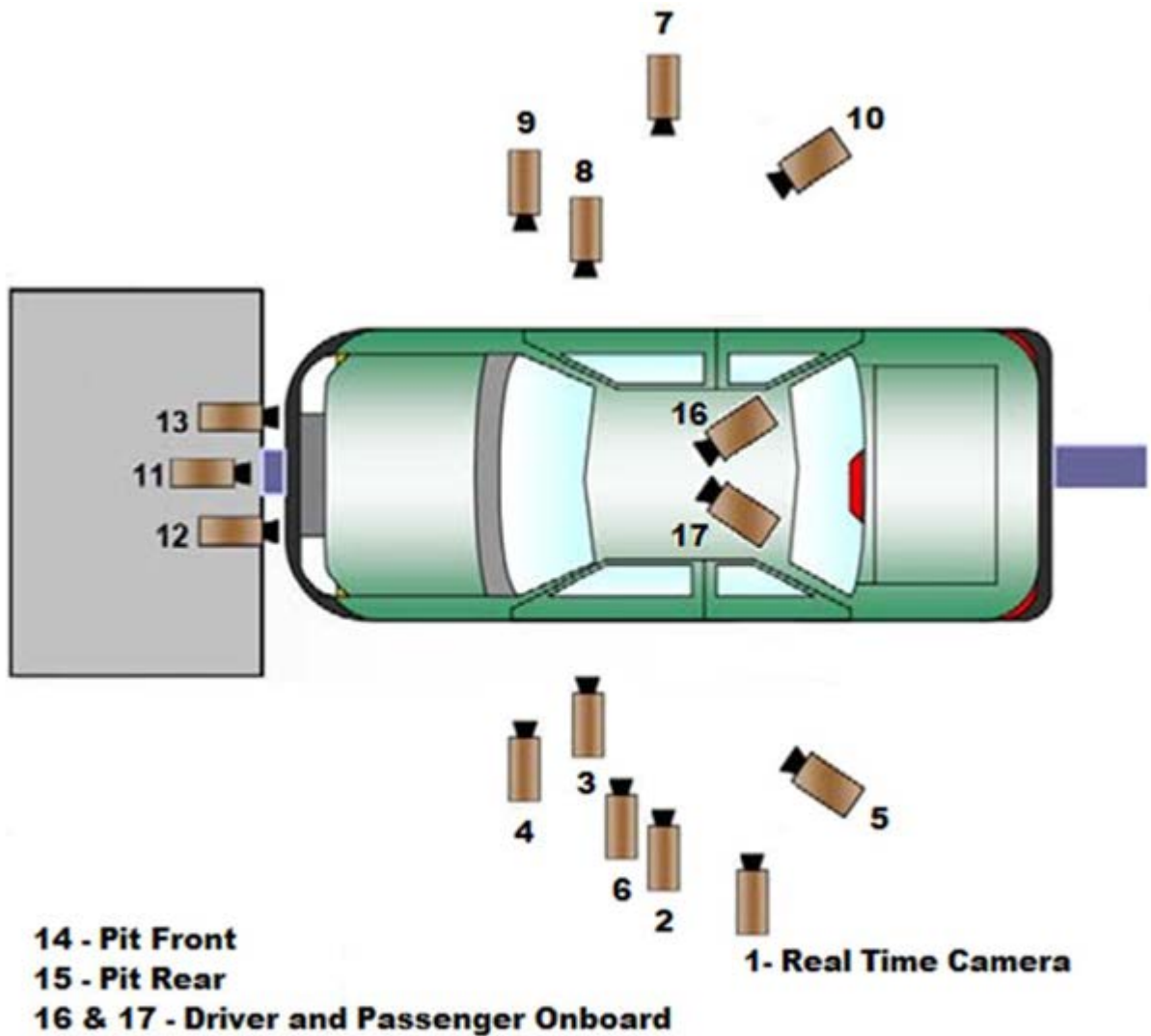
Measurement Description	Units	Driver	Passenger
Shoulder Belt Length as Measured on ATD	mm	852	1000
Lap Belt Length as Measured on ATD	mm	685	810
Remainder of Belt on Reel	mm	972	750
Total Belt Length for Continuous Webbing Systems	mm	2509	2560

DATA SHEET NO. 6

HIGH-SPEED CAMERA LOCATIONS AND DATA

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

CAMERA POSITIONS FOR FRONTAL IMPACTS



****Camera locations are approximate and not to scale**

DATA SHEET NO. 6 ... (CONTINUED)

HIGH-SPEED CAMERA LOCATIONS AND DATA

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

CAMERA LOCATIONS

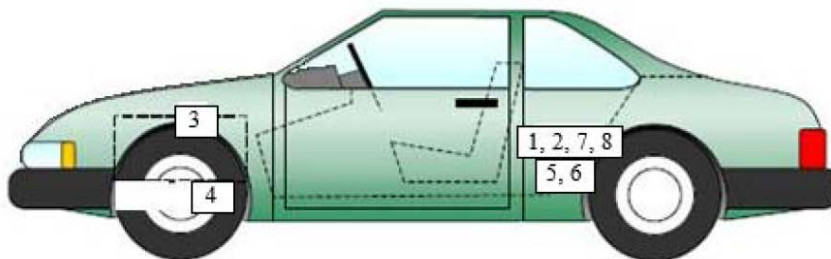
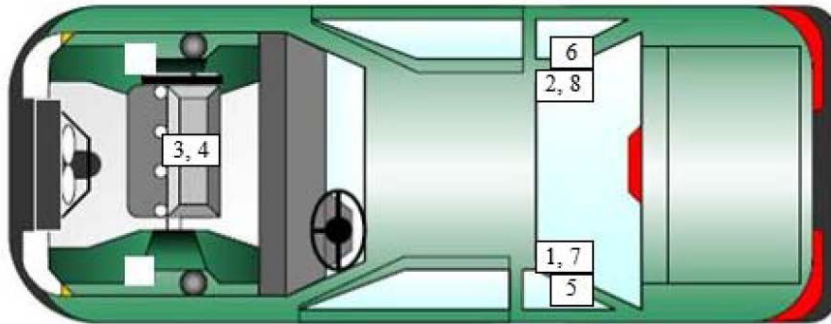
No.	Description	Location (mm)			Lens (mm)	Speed (fps)
		X	Y	Z		
1	Real-Time Left Overall	-11412	-8150	-1484		30
2	Left Overall	-2456	-7975	-1025	20	1000
3	Driver Close-Up	-2590	-7950	-1371	50	1000
4	Left Front Half	-1701	-6197	-1701	35	1000
5	Left Angle	-6696	-10308	-3211	105	1000
6	Steering Column	-1966	-10412	-3688	35	1000
7	Right Overall	-2336	7569	-1012	20	1000
8	Passenger Close-Up	-1733	7581	-1408	50	1000
9	Right Front Half	-1600	8214	-1811	35	1000
10	Right Angle	-6217	9516	-4830	85	1000
11	Windshield	-354	0	-5749	28	1000
12	Driver Windshield	297	-366	-2460	24	1000
13	Passenger Windshield	297	366	-2460	24	1000
14	Pit Front	-756	0	1495	21	1000
15	Pit Rear	-3398	0	1495	15	1000
16	Driver Onboard	-1250	-275	-1510	8	1000
17	Passenger Onboard	-1250	275	-1510	8	1000

Coordinates: +X = forward impact plane
 +Y = right of monorail center
 +Z = into ground

DATA SHEET NO. 7

VEHICLE ACCELEROMETER LOCATIONS

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025



VEHICLE ACCELEROMETER PRE-TEST LOCATIONS

No.	Description	Location		
		X	Y	Z
1	Left Rear Accelerometer X-Direction	1550	-755	450
2	Right Rear Accelerometer X-Direction	1550	755	450
3	Engine Top X	3650	20	945
4	Engine Bottom X	3800	0	285
5	Left Rear Accelerometer Z-Direction	1530	-755	450
6	Right Rear Accelerometer Z-Direction	1530	755	450
7	Left Rear Accelerometer X-Direction Redundant	1510	-755	450
8	Right Rear Accelerometer X-Direction Redundant	1510	755	450

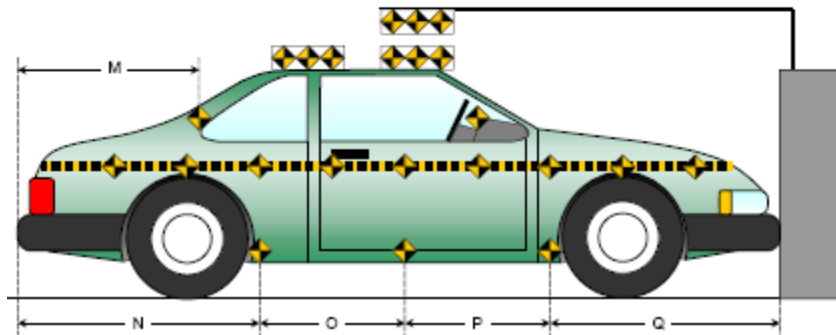
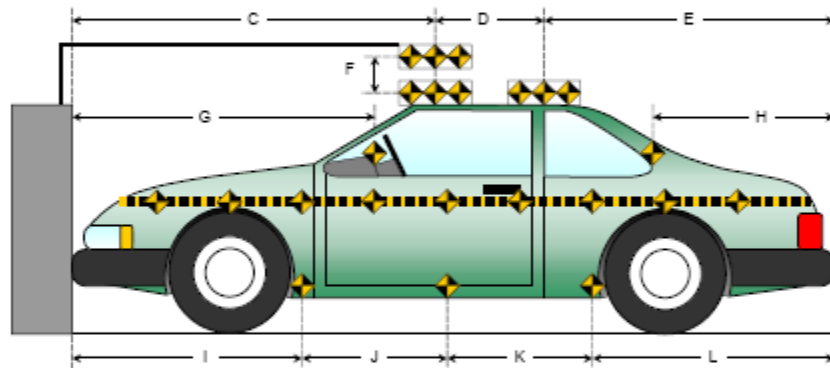
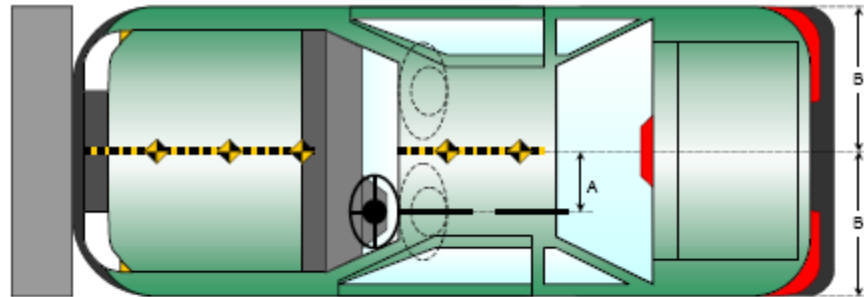
Reference Points: X – Rear Surface of Vehicle (+ forward)
 Y – Vehicle Centerline (+ to right)
 Z – Ground Plane (+ down)

DATA SHEET NO. 8

PHOTOGRAPHIC REFERENCE TARGET LOCATIONS

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

Item	Value
A	350
B	893
C	2374
D	576
E	1539
F	332
G	1975
H	725
I	1695
J	1043
K	692
L	1059
M	725
N	1059
O	692
P	1043
Q	1695

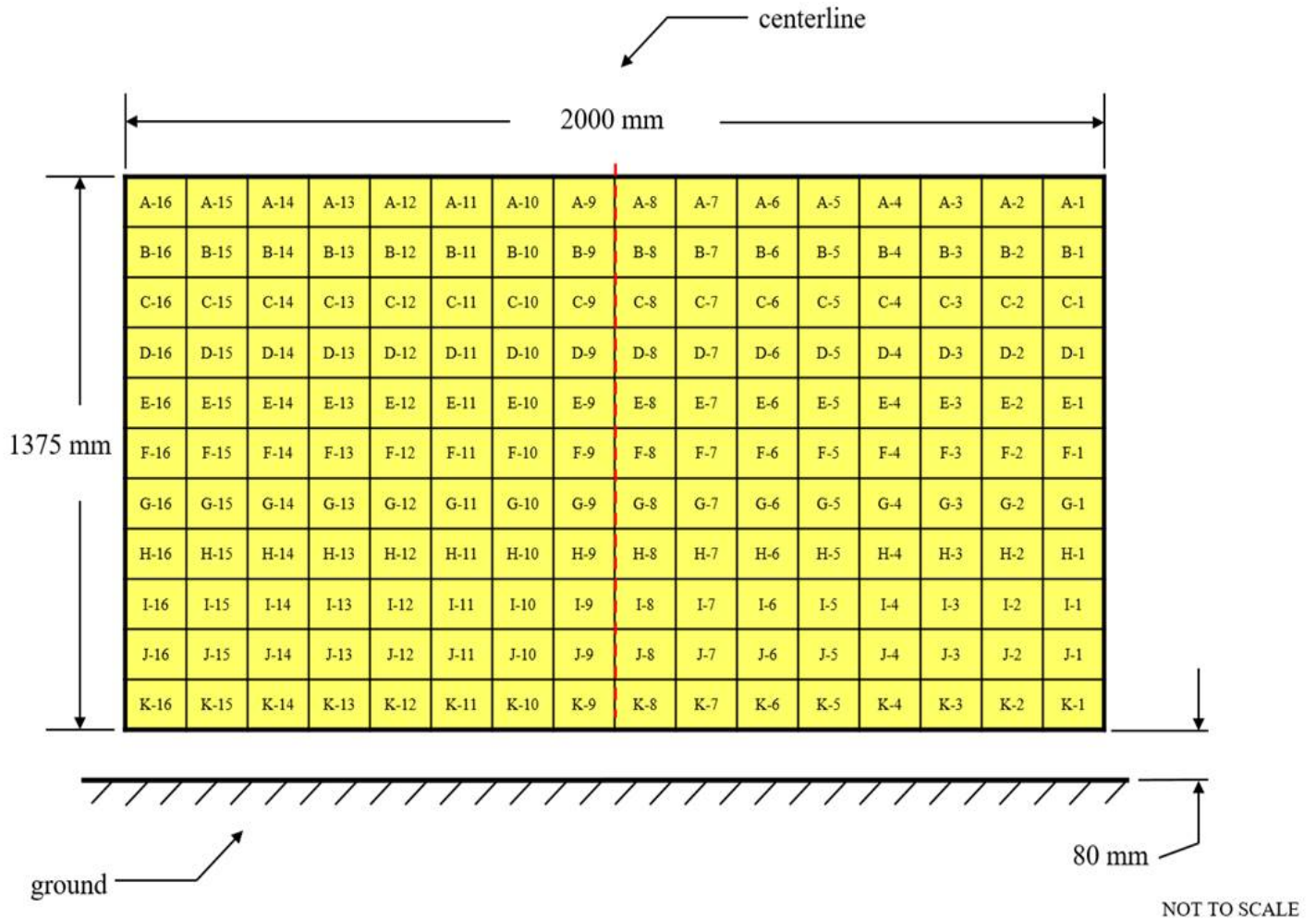


All measurements in millimeters.

DATA SHEET NO. 9

LOAD CELL LOCATIONS ON FIXED BARRIER

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025



DATA SHEET NO. 10**TEST VEHICLE SUMMARY OF RESULTS**

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

INSTRUMENTATION

Driver Dummy Sensors	47
Passenger Dummy Sensors	47
Vehicle Structure Accelerometers	8
Seat Belt Load Cells	0
Load Cell Barrier	528
Total	630

CAMERA COVERAGE

High-Speed Vehicle On Board	2
High-Speed Off Board	14
Real Time	1
Total	17

DATA SHEET NO. 11
POST-TEST OBSERVATIONS

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

TEST DUMMY INFORMATION AND CONTACT LOCATIONS

Description	Driver	Passenger
Dummy Type/Serial No.	HIII 50th Percentile Male ATD / 360	HIII 5th Percentile Female ATD / DH1644
Head Contact	Frontal Air Bag, Headrest	Frontal Air Bag, Headrest
Upper Torso Contact	Frontal Air Bag	Frontal Air Bag
Lower Torso Contact	Frontal Air Bag	Frontal Air Bag
Left Knee Contact	Knee Air Bag	Knee Bolster
Right Knee Contact	Knee Air Bag	Knee Bolster

DOOR OPENING, TRUNK OPENING, AND SEAT TRACK INFORMATION

Description	Driver	Passenger
Locked / Unlocked Doors	Unlocked	Unlocked
Front Door Opening	Remained closed, latched, and operational	Remained closed, latched, and operational
Rear Door Opening	Remained closed, latched, and operational	Remained closed, latched, and operational
Trunk/Hatch/Tailgate Opening	Remained closed, latched, and operational	Remained closed, latched, and operational
Seat Track Shift (mm)	N/A	N/A
Seat Back Movement from Initial Position	None	None

OTHER VEHICLE POST-TEST OBSERVATIONS

Critical Areas of Performance	Observations and Conclusions
Windshield Damage	None
Window Damage	None
Other Notable Effects	None

VEHICLE REBOUND FROM BARRIER

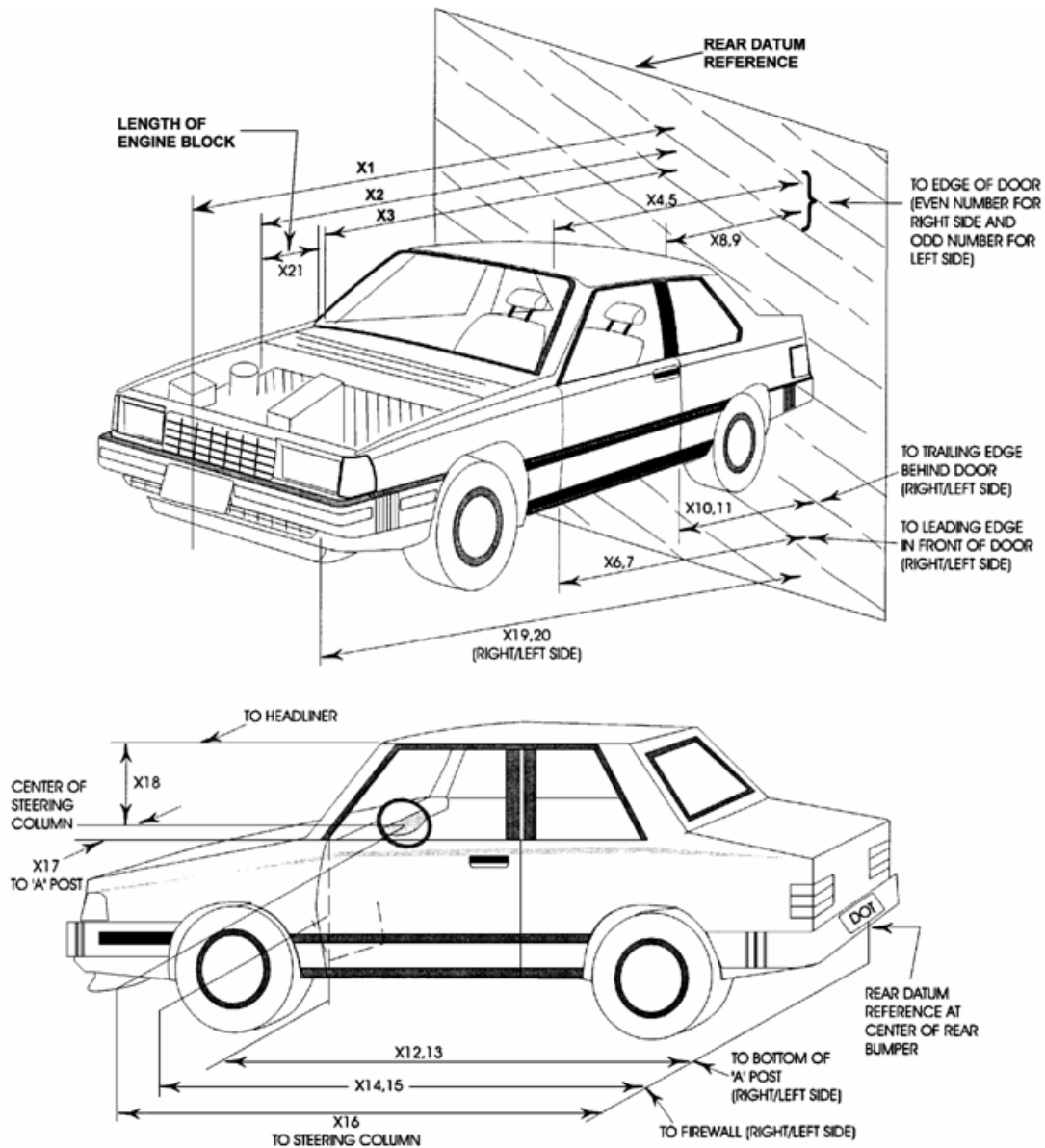
Measured Parameter	Units	Value
Left Side	mm	2325
Center	mm	1955
Right Side	mm	2355
Average	mm	2212

SUPPLEMENTAL RESTRAINT SYSTEM INFORMATION

Restraint Type	Driver		Passenger	
	Installed	Operated	Installed	Operated
Front Air Bag	Yes	Yes	Yes	Yes
Side Air Bag 1 (Curtain)	Yes	No	Yes	No
Side Air Bag 2 (Torso/Pelvis)	Yes	No	Yes	No
Knee Air Bag	Yes	Yes	No	
Seat Belt Pretensioner	Yes	Yes	Yes	Yes
Seat Belt Load Limiter	Yes	Yes	Yes	Yes

DATA SHEET NO. 12 **VEHICLE PROFILE MEASUREMENTS**

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

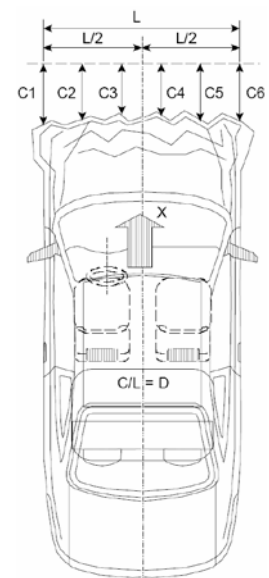


DATA SHEET NO. 12 ... (CONTINUED)**VEHICLE PROFILE MEASUREMENTS**

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

No.	Description	Pre-Test	Post-Test	Change
1	Total Length of Vehicle at Centerline	4493	4074	-419
2	Rear Surface of Vehicle to Front of Engine	4029	3801	-228
3	RSOV to Firewall	3268	3267	-1
4	RSOV to Upper Leading Edge of Right Door	3018	3025	7
5	RSOV to Upper Leading Edge of Left Door	3019	3026	7
6	RSOV to Lower Leading Edge of Right Door	2959	2961	2
7	RSOV to Lower Leading Edge of Left Door	2959	2965	6
8	RSOV to Upper Trailing Edge of Right Door	1880	1886	6
9	RSOV to Upper Trailing Edge of Left Door	1880	1891	11
10	RSOV to Lower Trailing Edge of Right Door	1913	1915	2
11	RSOV to Lower Trailing Edge of Left Door	1913	1921	8
12	RSOV to Bottom of A-Pillar, Right Side	2946	2951	5
13	RSOV to Bottom of A-Pillar, Left Side	2946	2947	1
14	RSOV to Firewall, Right Side	3293	3267	-26
15	RSOV to Firewall, Left Side	3293	3281	-12
16	RSOV to Steering Column	2518	2553	35
17	Center of Steering Column to A-Pillar	428	394	-34
18	Center of Steering Column to Headliner	551	520	-31
19	RSOV to Right Side of Front Bumper	4287	4038	-249
20	RSOV to Left Side of Front Bumper	4287	3980	-307
21	Length of Engine Block	516	497	-19
RD	RSOV to Right Side of Dash Panel	2850	2855	5
CD	RSOV to Center of Dash Panel	2781	2784	3
LD	RSOV to Left Side of Dash Panel	2850	2858	8

*All measurements in millimeters.

DATA SHEET NO. 13**ACCIDENT INVESTIGATION DIVISION DATA**Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPVNHTSA No.: O20265500Test Program: 56.3 km/h Frontal Impact NCAP TestTest Date: 12/11/2025**VEHICLE INFORMATION**VIN: JF2GUSND9T8201753Vehicle Size Category: MPVWheelbase (mm): 2663Test Weight (kg): 1841.0**ACCELEROMETER DATA**Accelerometer Locations: Left Rear CrossmemberCal. Procedure/Interval: Vibration Test / 6 monthsIntegration Algorithm: NHTSA StandardImpact Velocity (km/h): 56.75Velocity Change (km/h): 67.51Time of Separation (msec): 77.40Linearity: Good**CRUSH PROFILE**Collision Deformation Classification: 12FDEW3Midpoint of Damage: Vehicle CenterlineDamage Region Length (mm): 1130Impact Mode: Full Frontal

No.	Measurement Description	Units	Pre-Test	Post-Test	Crush
C1	Crush Zone 1 at Left Side	mm	4287	3976	311
C2	Crush Zone 2 at Left Side	mm	4444	4025	419
C3	Crush Zone 3 at Left Side	mm	4470	3998	472
C4	Crush Zone 4 at Right Side	mm	4473	3963	510
C5	Crush Zone 5 at Right Side	mm	4471	4002	469
C6	Crush Zone 6 at Right Side	mm	4287	4034	253
L	C1 to C6	mm	1130		

DATA SHEET NO. 14

VEHICLE INTRUSION MEASUREMENTS

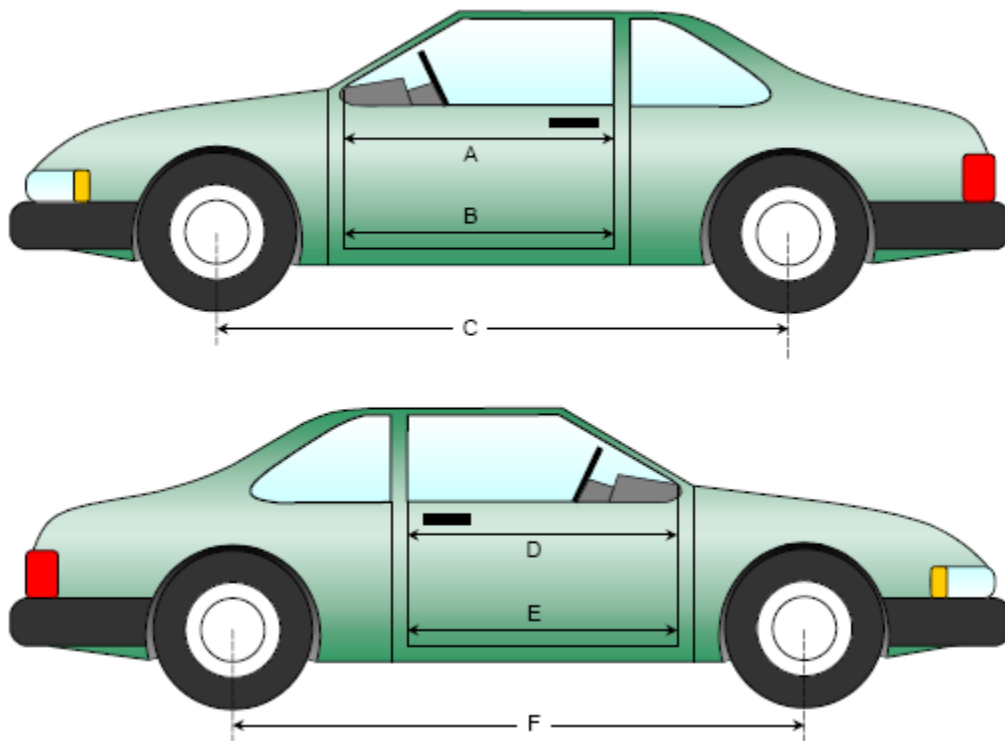
Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

DOOR OPENING WIDTH

Item	Description	Units	Pre-Test	Post-Test	Change
A	Left Side Upper	mm	1139	1135	-4
B	Left Side Lower	mm	1045	1045	0
D	Right Side Upper	mm	1138	1139	1
E	Right Side Lower	mm	1046	1046	0

WHEELBASE MEASUREMENTS

Item	Description	Units	Pre-Test	Post-Test	Change
C	Left Side Wheelbase	mm	2663	2669	6
F	Right Side Wheelbase	mm	2663	2681	18



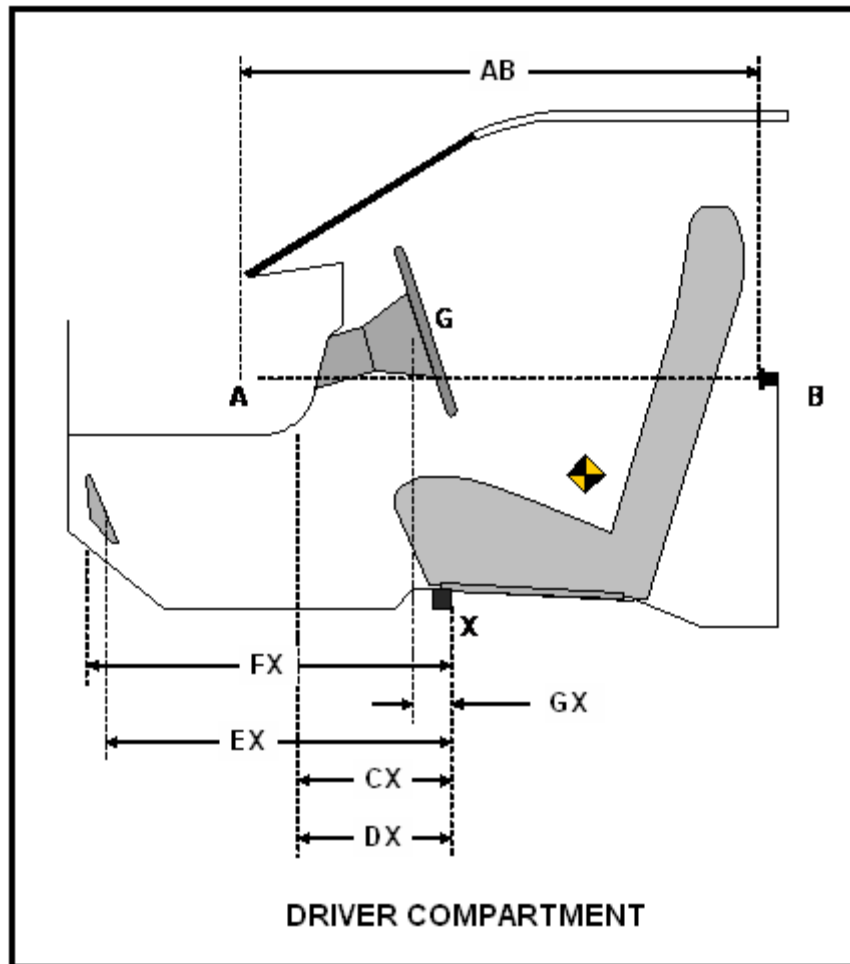
DATA SHEET NO. 14 ... (CONTINUED)
VEHICLE INTRUSION MEASUREMENTS

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

DRIVER COMPARTMENT INTRUSION

Item	Description	Units	Pre-Test	Post-Test	Change
AB	Door Opening (Inside Window Jam)	mm	1054	1050	-4
CX	Left Knee Bolster to X	mm	267	274	7
DX	Right Knee Bolster to X	mm	256	250	-6
EX	Brake Pedal to X	mm	555	572	17
FX	Foot Rest to X	mm	559	552	-7
GX	Center of Steering Wheel Hub to X	mm	24	60	36

X = Front of Seat Track (Stationary)



DATA SHEET NO. 15

SUMMARY OF INDICANT FMVSS 212 AND 219 (PARTIAL) DATA

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

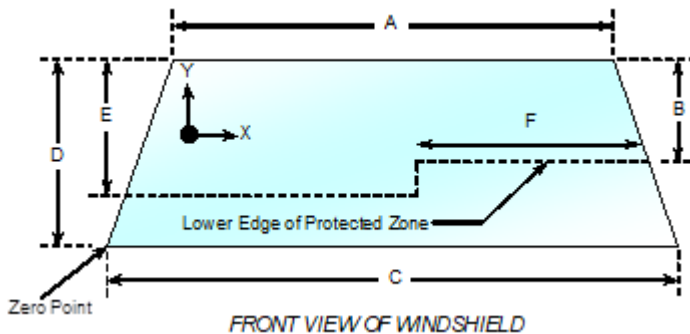
Windshield Mounting Details: Windshield glass is secured to the vehicle frame with an adhesive and rubber molding.

The standard requires that the post-test retention measurement be a minimum of 75% of the pre-test total periphery measurement for vehicles not equipped with occupant passive restraints and 50% for each side of the windshield for vehicles which are equipped with occupant passive restraints.

Temperature of windshield molding during test: 18.3 °C

WINDSHIELD PERIPHERY MEASUREMENTS

Measurement	Pre-Test (mm)	Post-Test (mm)	% Retention
Left Side	2202	2202	100.0%
Right Side	2202	2202	100.0%
Total	4404	4404	100.0%



Item	Units	Value
A	mm	1220
B	mm	443
C	mm	1443
D	mm	870
E	mm	570
F	mm	450

AREAS OF PROTECTED ZONE FAILURES

- A.** Provide Coordinates of the area that the protected zone was penetrated more than 0.25 inches by a vehicle component other than one that is normally in contact with the windshield.

X	Y

- B.** Provide coordinates of the area beneath the protected zone that the inner surface of the windshield was penetrated by a vehicle component.

X	Y

DATA SHEET NO. 16

FMVSS 301 BARRIER IMPACT AND STATIC ROLLOVER RESULTS

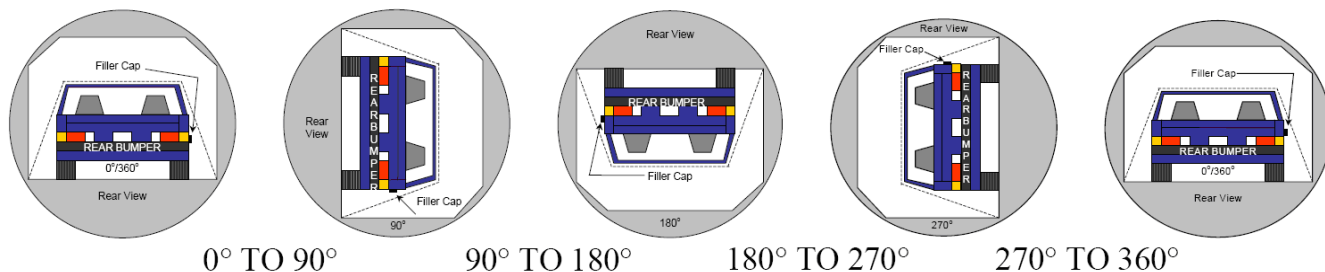
Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

FMVSS 301 FUEL SYSTEM INTEGRITY POST IMPACT DATA

Temperature at Time of Impact: 18.3°C Test Time: 2:22 PM

Stoddard Solvent Spillage Measurements

- 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: _____



1. The specified fixture rollover rate for each 90° of rotation is 60 to 180 seconds.
2. The position hold time at each position is 300 seconds (minimum).
3. Details of Stoddard solvent spillage: No solvent 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°	82	300	382
270° To 360°	80	300	380

DATA SHEET NO. 16 ... (CONTINUED)**FMVSS 301 BARRIER IMPACT AND STATIC ROLLOVER RESULTS**

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

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. 17

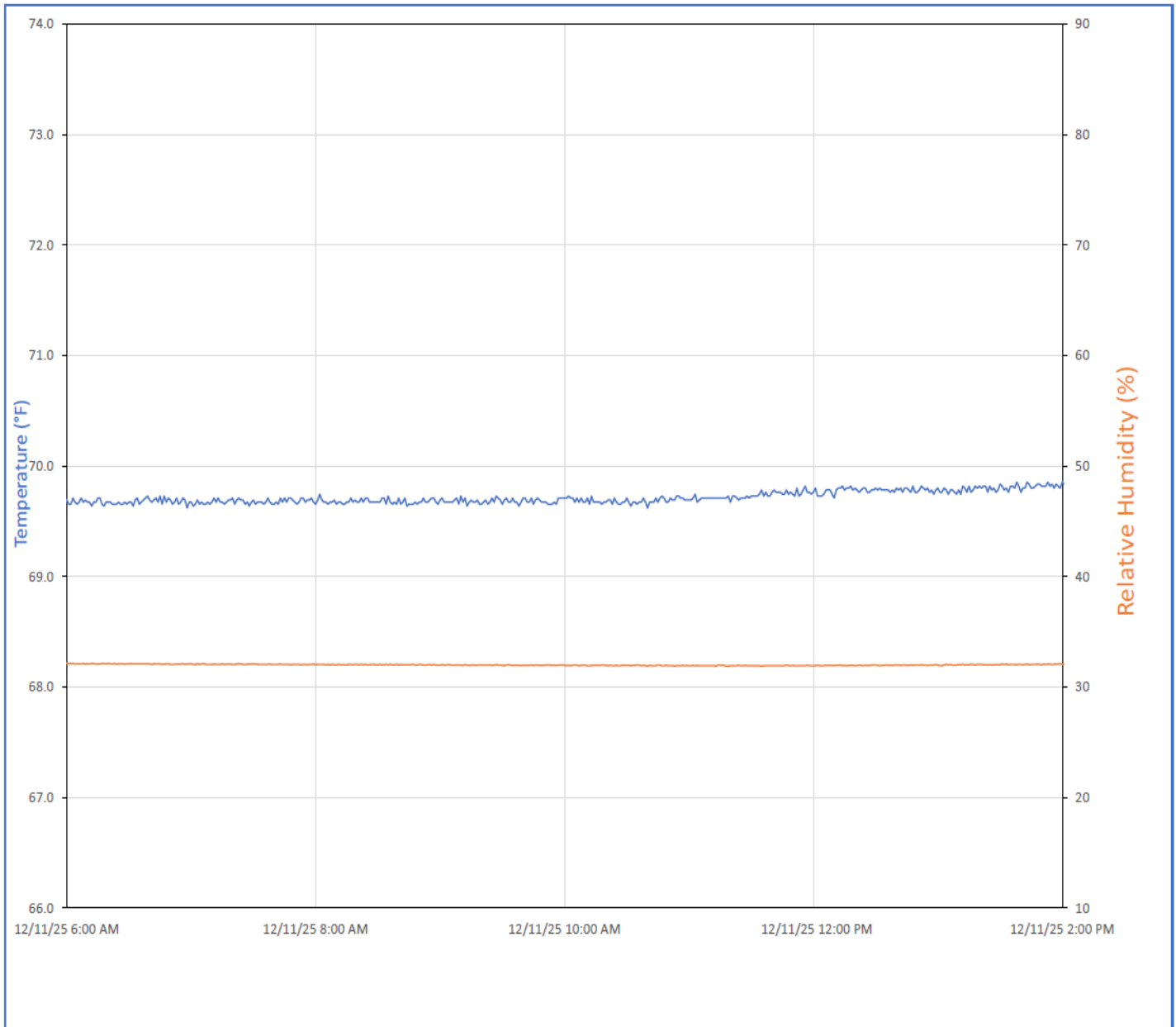
DUMMY / VEHICLE TEMPERATURE STABILIZATION CHART

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV

NHTSA No.: O20265500

Test Program: 56.3 km/h Frontal Impact NCAP Test

Test Date: 12/11/2025



DATA SHEET NO. 305-1**GENERAL TEST AND VEHICLE PARAMETER DATA FOR INDICANT FMVSS NO. 305****TESTING**Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025**TEST VEHICLE INFORMATION**

NHTSA Number	O20265500
Model Year	2026
Make	Subaru
Model	Crosstrek Hybrid
Body Style	5-Door MPV
Body Color	Crystal White Pearl
Odometer Reading (km / mi)	9/14

DATA FROM VEHICLE'S CERTIFICATION LABEL

Manufactured By	Subaru Corporation
Date of Manufacture	Sep-25
VIN	JF2GUSND9T8201753
GVWR (kg)	2352

ELECTRIC VEHICLE PROPULSION SYSTEM

Type of Electrical Vehicle	Gas-Electric Hybrid
Propulsion Battery Type	Lithium-Ion
Nominal Voltage (V)	259
Automatic Propulsion Battery Disconnect	Yes
Physical Location of Automatic Propulsion Battery Disconnect	Inside Battery Unit
Auxiliary Battery Type	12-Volt Lead Acid

PROPULSION BATTERY SYSTEM DATA

Electrolyte Fluid Type	Organic Electrolyte
Electrolyte Fluid Specific Gravity (g/cc)	1.0125 +/- 0.004
Electrolyte Fluid Kinematic Viscosity (mm ² /s)	3.9 cSt
Electrolyte Fluid Color	Clear
Propulsion Battery Coolant Type	Air
Propulsion Battery Coolant Color	N/A
Propulsion Battery Coolant Specific Gravity	

LOCATION OF BATTERY MODULES

Location	Rear Cargo Area
----------	-----------------

DATA SHEET NO. 305-1...(CONTINUED)

GENERAL TEST AND VEHICLE PARAMETER DATA FOR INDICANT FMVSS NO. 305

TESTING

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500

Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

For all battery types:

Description	Volts
Minimum Operating Voltage	12
Maximum Operating Voltage	261
95% of Maximum Operating Voltage	248
Test Voltage (no less than 95% of Maximum)*	261

For batteries that are rechargeable ONLY by an energy source on the vehicle:

Description	Volts
Minimum Operating Voltage	
Maximum Operating Voltage	
Test Voltage (Maximum practicable state of charge within normal operating range)	

DATA SHEET NO. 305-2

PRE-IMPACT DATA FOR INDICANT FMVSS NO. 305 TESTING

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

VEHICLE CHASSIS GROUND POINT(S) LOCATION(S)

DETAILS OF VEHICLE CHASSIS GROUND POINT(S) AND LOCATION(S):

The FMVSS 305 chassis ground point is located at the rear left side of the cargo area..

PROPULSION BATTERY SYSTEM

DETAILS OF PROPULSION BATTERY COMPONENTS:

The physical location of automatic propulsion battery disconnect is located at the top left area of the rear cargo compartment under the terminal cover.

DATA SHEET NO. 305-3**PRE-IMPACT ELECTRICAL ISOLATION MEASUREMENTS AND CALCULATIONS FOR
INDICANT FMVSS NO. 305 TESTING**Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025**VOLTMETER INFORMATION**

Make	Fluke
Model	87V MAX
Serial No.	50790043
Internal Impedance Value	50 M Ω
Resolution	0.001

HV BATTERY ELECTRICAL ISOLATION DATA

Code	Units	Threshold	Pre-Test
V_b	V		261
V_1	V		122.4
V_2	V		131.3
R_o	Ω		701000.0
V_1'	V		92.3
V_2'	V		96.4
R_{i1}	Ω		473,829
R_{i2}	Ω		490,368
R_i	Ω		473,829
R_i/V_b	Ω/V	500	1,815

Is the Measured Electrical Isolation Value $\geq$ 500 Ω/V ?	Yes
--	-----

DATA SHEET NO. 305-4**POST-IMPACT DATA FOR INDICANT FMVSS NO. 305 TESTING**Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025**VOLTMETER INFORMATION**

Make	Fluke
Model	87V MAX
Serial No.	50790043
Internal Impedance Value	50 MΩ
Resolution	0.001

HV BATTERY ELECTRICAL ISOLATION DATA

Code	Units	Threshold	Post-Test
V_b	V		0.97
V_1	V		1.17
V_2	V		0.28
R_o	Ω		701,000
V_1'	V		0.51
V_2'	V		0.10
R_{i1}	Ω		1,124,279
R_{i2}	Ω		6,534,321
R_i	Ω		1,124,279
R_i/V_b	Ω/V	500	1,159,050

* "Zero Volts" is considered as being compliant.

Is the Measured Electrical Isolation Value $\geq$ 500 Ω/V?	Yes
Is V_1 , V_2 , and $V_b \leq$ 60 VDC?	Yes

PROPULSION BATTERY SYSTEM COMPONENTS

Has the propulsion battery module moved within the passenger compartment?

NoDescribe any movement: There was no movement of the propulsion battery within the passenger compartment.

Has an outside propulsion battery component intruded into the passenger compartment?

NoDescribe any intrusion: There was no intrusion of the outside propulsion battery into the passenger compartment.

Is there propulsion battery electrolyte spillage visible in the passenger compartment?

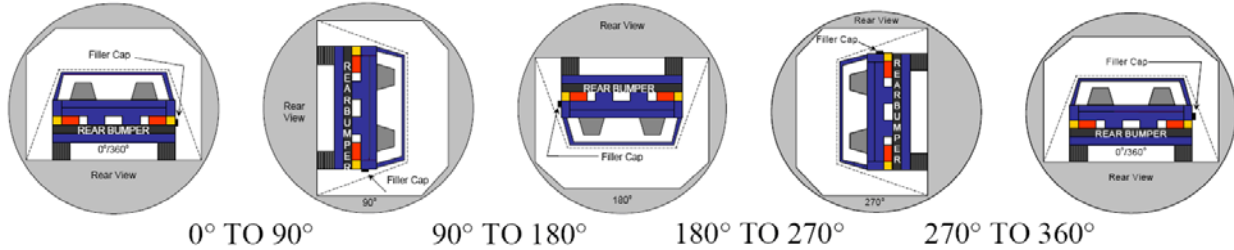
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DATA SHEET NO. 305-5

STATIC ROLLOVER TEST DATA FOR INDICANT FMVSS NO. 305 TESTING

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500

Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025



PROPULSION BATTERY ELECTROLYTE COLLECTION TIME PERIOD

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

TEST VEHICLE PROPULSION BATTERY ELECTROLYTE SPILLAGE

NOTE: The maximum allowable Propulsion Battery Electrolyte Spillage is 5.0 Liters.

Test Phase	Propulsion Battery Electrolyte Spillage (L)	Spillage Location
0° To 90°	0.0	N/A
90° To 180°	0.0	N/A
180° To 270°	0.0	N/A
270° To 360°	0.0	N/A

Is the Total Propulsion Battery Electrolyte Spillage Greater Than 5.0 Liters?	No spillage occurred
Is the Propulsion Battery Electrolyte Spillage Visible in the Passenger Compartment?	N/A

DATA SHEET NO. 305-5 (CONTINUED...)

STATIC ROLLOVER TEST DATA FOR INDICANT FMVSS NO. 305 TESTING

Test Vehicle: 2026 Subaru Crosstrek Hybrid 5-Door MPV NHTSA No.: O20265500
 Test Program: 56.3 km/h Frontal Impact NCAP Test Test Date: 12/11/2025

VOLTMETER INFORMATION

Make	Fluke
Model	87V MAX
Serial No.	50790043
Internal Impedance Value	50 MΩ
Nominal Propulsion Battery Voltage (Vb)	0.001

HV BATTERY ELECTRICAL ISOLATION MEASUREMENTS AND CALCULATIONS

Code	Units	Threshold	0°	90°	180°	270°	360°
V _b	V		0.002	0.034	0.005	0.002	0.123
V ₁	V		0.002	0.019	0.012	0.004	0.100
V ₂	V		0.001	0.010	0.017	0.001	0.010
R _o	Ω		701,000	701,000	701,000	701,000	701,000
V ₁ '	V		0.001	0.009	0.006	0.002	0.048
V ₂ '	V		0.000	0.005	0.008	0.000	0.002
R _{i1}	Ω		1,051,500	1,188,830	1,694,083	876,250	835,358
R _{i2}	Ω		"Zero Volts"	2,032,900	1,345,301	"Zero Volts"	30,844,000
R _i	Ω		"Zero Volts"	1,188,830	1,345,301	"Zero Volts"	835,358
R _i /V _b	Ω/V	500	"Zero Volts"	34,965,600	269,060,294	"Zero Volts"	6,791,531

* "Zero Volts" is considered as being compliant.

Is the Measured Electrical Isolation Value ≥ 500 Ω/V?	Yes
Is V ₁ , V ₂ , and V _b ≤ 60 VDC?	Yes

APPENDIX A
PHOTOGRAPHIC DOCUMENTATION

TABLE OF PHOTOGRAPHS

Figure		Page
1	Load Cell Location	A-1
2	Pre-Test Load Cell Wall	A-1
3	Post-Test Load Cell Wall	A-2
4	Manufacturer's Label	A-2
5	Tire Placard	A-3
6	2026 Subaru Crosstrek Frontal As Delivered	A-3
7	Left Rear $\frac{3}{4}$ View, as Received	A-4
8	Pre-Test Front View of Test Vehicle	A-4
9	Post-Test Front View of Test Vehicle	A-5
10	Pre-Test Left View of Test Vehicle	A-5
11	Post-Test Left View of Test Vehicle	A-6
12	Pre-Test Right View of Test Vehicle	A-6
13	Post-Test Right View of Test Vehicle	A-7
14	Pre-Test Right Front $\frac{3}{4}$ View	A-7
15	Post-Test Right Front $\frac{3}{4}$ View	A-8
16	Pre-Test Left Rear $\frac{3}{4}$ View	A-8
17	Post-Test Left Rear $\frac{3}{4}$ View	A-9
18	Pre-Test Windshield View	A-9
19	Post-Test Windshield View	A-10
20	Pre-Test Engine Compartment View	A-10
21	Post-Test Engine Compartment View	A-11
22	Pre-Test Fuel Filler Cap View	A-11
23	Post-Test Fuel Filler Cap View	A-12
24	Pre-Test Front Underbody View	A-12
25	Post-Test Front Underbody View	A-13
26	Pre-Test Rear Underbody View	A-13
27	Post-Test Rear Underbody View	A-14
28	Pre-Test Dummy Cable Routing	A-14
29	Post-Test Dummy Cable Routing	A-15
30	Pre-Test Driver Dummy Front View	A-15
31	Post-Test Driver Dummy Front View	A-16
32	Pre-Test Driver Dummy Window View	A-16
33	Post-Test Driver Dummy Window View	A-17
34	Pre-Test Driver Dummy and Vehicle Interior View	A-17
35	Post-Test Driver Dummy and Vehicle Interior View	A-18
36	Pre-Test Driver's Seat Fore-Aft Markings	A-18

TABLE OF PHOTOGRAPHS ... (CONTINUED)

Figure		Page
37	Post-Test Driver's Seat Fore-Aft Markings	A-19
38	Pre-Test View of Belt Anchorage for Driver Dummy	A-19
39	Post-Test View of Belt Anchorage for Driver Dummy	A-20
40	Pre-Test View of Belt Buckle and Latch Plate for Driver Dummy	A-20
41	Post-Test View of Belt Buckle and Latch Plate for Driver Dummy	A-21
42	Pre-Test Driver Dummy Feet	A-21
43	Post-Test Driver Dummy Feet	A-22
44	Pre-Test Driver's Side Knee Bolster	A-22
45	Post-Test Driver's Side Knee Bolster	A-23
46	Pre-Test Driver's Side Floorpan	A-23
47	Post-Test Driver's Side Floorpan	A-24
48	Post-Test Driver Dummy Face	A-24
49	Post-Test Driver Dummy Contact with Air Bag	A-25
50	Post-Test Driver Dummy Contact with Headrest	A-25
51	Pre-Test View of the Steering Wheel	A-26
52	Post-Test View of the Steering Wheel	A-26
53	Pre-Test Passenger Dummy Front View	A-27
54	Post-Test Passenger Dummy Front View	A-27
55	Pre-Test Passenger Dummy Window View	A-28
56	Post-Test Passenger Dummy Window View	A-28
57	Pre-Test Passenger Dummy and Vehicle Interior View	A-29
58	Post-Test Passenger Dummy and Vehicle Interior View	A-29
59	Pre-Test Passenger's Seat Fore-Aft Markings	A-30
60	Post-Test Passenger's Seat Fore-Aft Markings	A-30
61	Pre-Test View of Belt Anchorage for Passenger Dummy	A-31
62	Post-Test View of Belt Anchorage for Passenger Dummy	A-31
63	Pre-Test View of Belt Buckle and Latch Plate for Passenger Dummy	A-32
64	Post-Test View of Belt Buckle and Latch Plate for Passenger Dummy	A-32
65	Pre-Test Passenger Dummy Feet	A-33
66	Post-Test Passenger Dummy Feet	A-33
67	Pre-Test Passenger's Side Knee Bolster	A-34
68	Post-Test Passenger's Side Knee Bolster	A-34
69	Pre-Test Passenger's Side Floorpan	A-35
70	Post-Test Passenger's Side Floorpan	A-35
71	Post-Test Passenger Dummy Face	A-36
72	Post-Test Passenger Dummy Contact with Air Bag	A-36

TABLE OF PHOTOGRAPHS ... (CONTINUED)

Figure		Page
73	Post-Test Passenger Dummy Contact with Headrest	A-37
74	Photograph of Ballast Installed in Vehicle	A-37
75	Post-Test Stoddard Solvent Spillage Location View	A-38
76	Post-Test Speed Trap Read-Out	A-38
77	Vehicle at 0° on Static Rollover Device	A-39
78	Vehicle at 90° on Static Rollover Device	A-39
79	Vehicle at 180° on Static Rollover Device	A-40
80	Vehicle at 270° on Static Rollover Device	A-40
81	Vehicle at 360° on Static Rollover Device	A-41
82	2026 Subaru Crosstrek Frontal Impact Event	A-41
83	Monroney Label Photograph	A-42
305-01	First Responder Warning Label	A-42
305-02	First Responder Warning Location	A-43
305-03	Other Vehicle Label(s) Related to Electrical Propulsion System	A-43
305-04	Manual High Voltage Service Disconnect in Place	A-44
305-05	Manual High Voltage Service Disconnect Removed	A-44
305-06	Manual High Voltage Service Disconnect Removed	A-45
305-07	Pre-Impact View of Propulsion Battery	A-45
305-08	Post-Impact Rear View of Propulsion Battery	A-46
305-09	Pre-Impact View of High Voltage Interconnect(s)	A-46
305-010	Pre-Impact View of Ground Lead Attached	A-47
305-011	Pre-Impact View of High Voltage Leads Attached	A-47
305-012	Pre-Impact Close-Up View of High Voltage Leads Attached	A-48
305-013	Pre-Impact View of Installed Test Interface Port	A-48
305-014	Post-Impact View of Installed Test Interface Port	A-49
305-015	FMVSS No. 305 Static Rollover at 90°	A-49
305-016	FMVSS No. 305 Static Rollover at 180°	A-50
305-017	FMVSS No. 305 Static Rollover at 270°	A-50
305-018	FMVSS No. 305 Static Rollover at 360°	A-51
305-019	Pre-Impact View of the Vehicle Passenger Compartment Adjacent to Propulsion Battery	A-51
305-020	Post-Impact View of the Vehicle Passenger Compartment Adjacent to Propulsion Battery	A-52

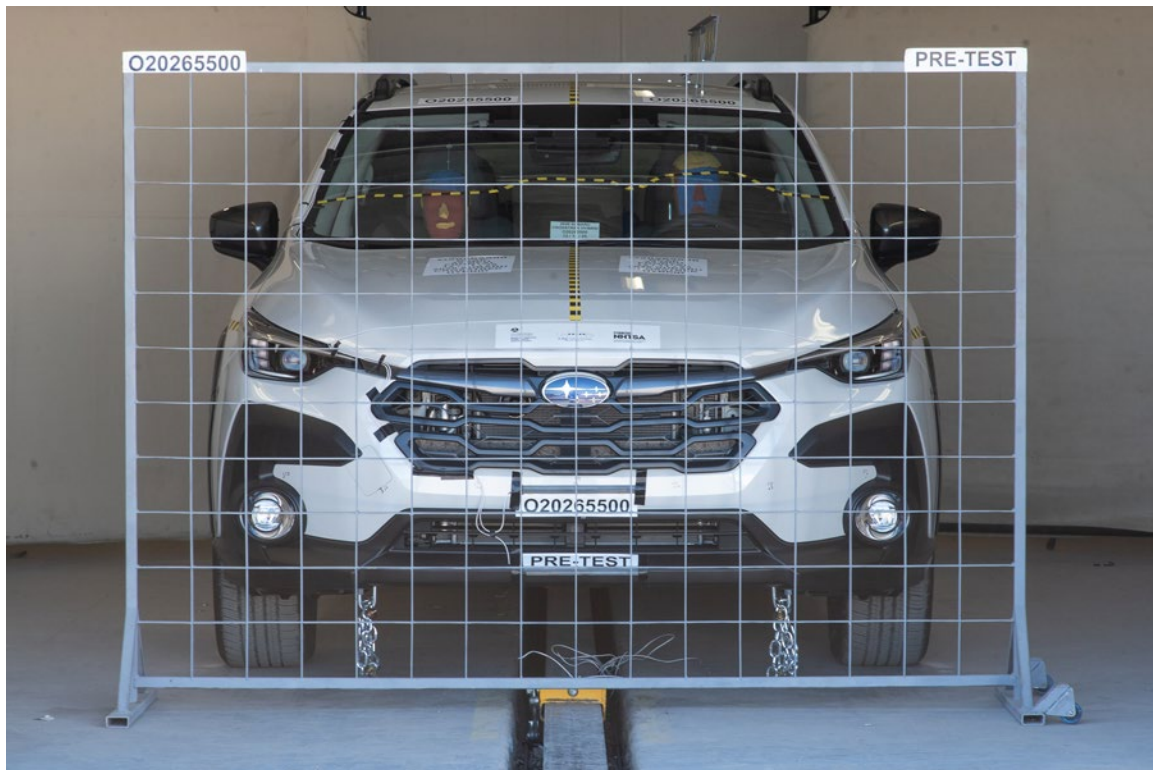


FIGURE 1. Load Cell Location

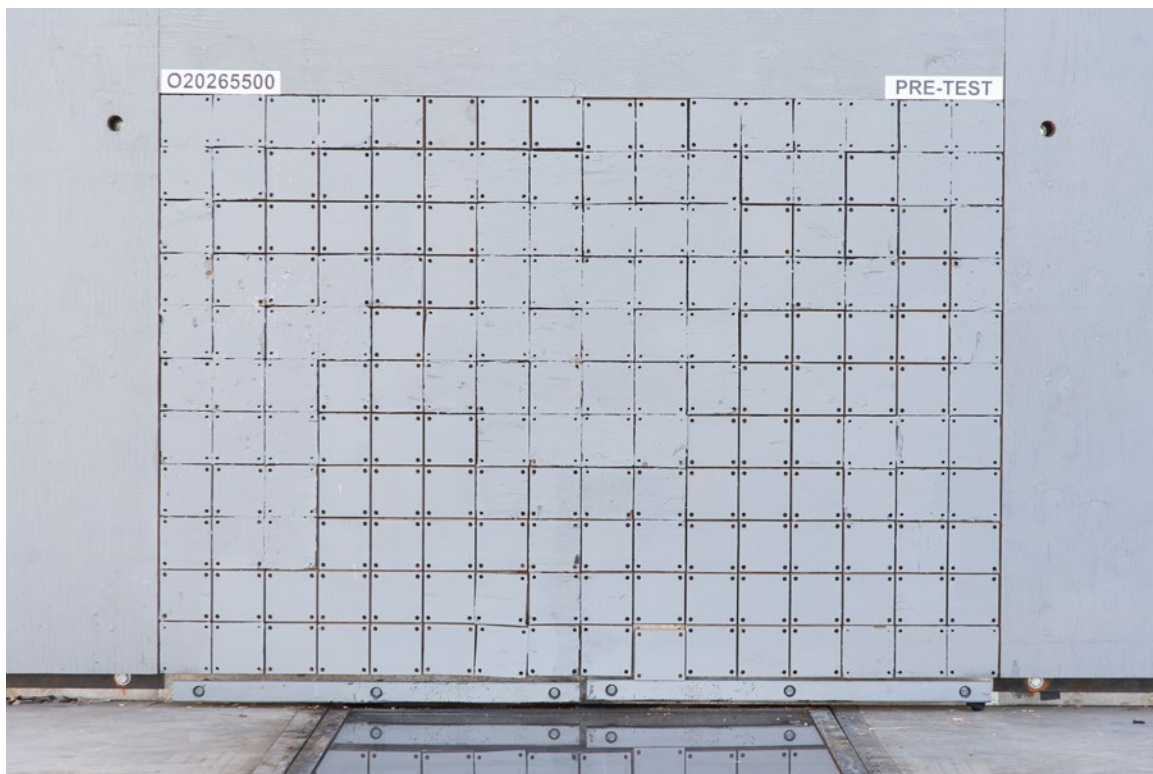


FIGURE 2. Pre-Test Load Cell Wall

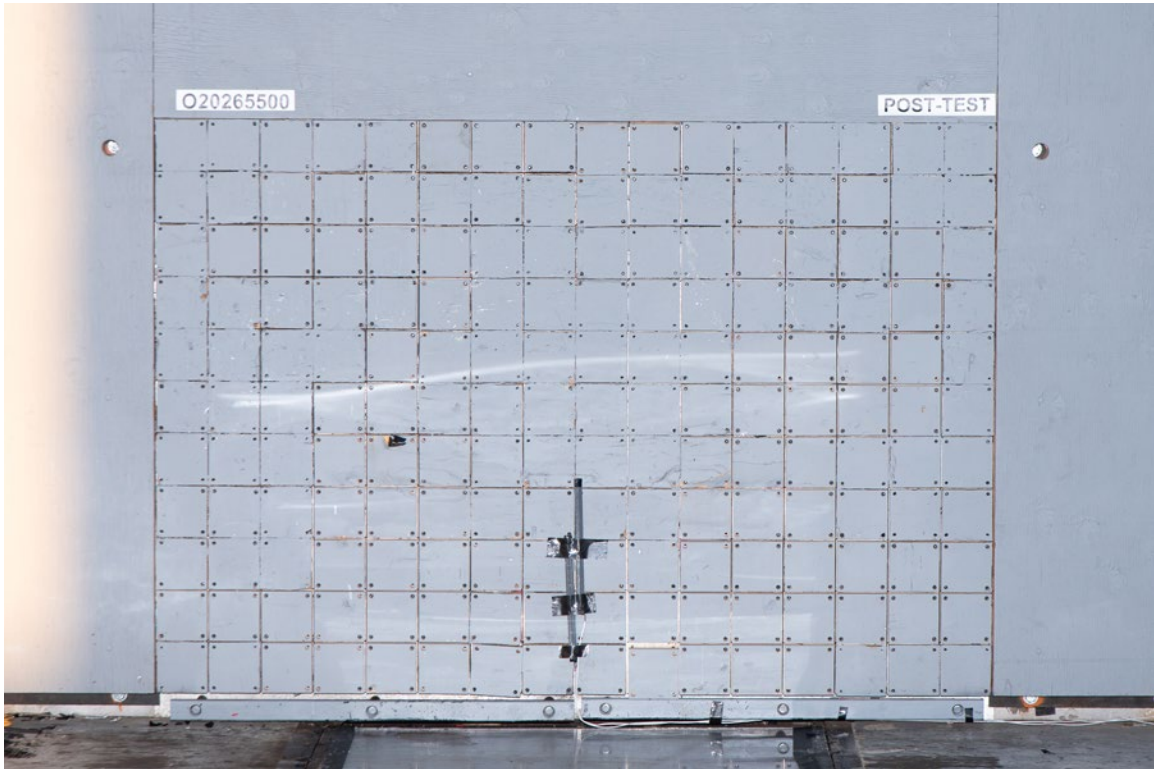


FIGURE 3. Post-Test Load Cell Wall



FIGURE 4. Manufacturer's Label



FIGURE 5. Tire Placard



FIGURE 6. 2026 Subaru Crosstrek Frontal As Delivered



FIGURE 7. Left Rear 3/4 View, As Received



FIGURE 8. Pre-Test Front View of Test Vehicle



FIGURE 9. Post-Test Front View of Test Vehicle



FIGURE 10. Pre-Test Left View of Test Vehicle



FIGURE 11. Post-Test Left View of Test Vehicle



FIGURE 12. Pre-Test Right View of Test Vehicle



FIGURE 13. Post-Test Right View of Test Vehicle



FIGURE 14. Pre-Test Right Front 3/4 View



FIGURE 15. Post-Test Right Front 3/4 View



FIGURE 16. Pre-Test Left Rear 3/4 View



FIGURE 17. Post-Test Left Rear 3/4 View

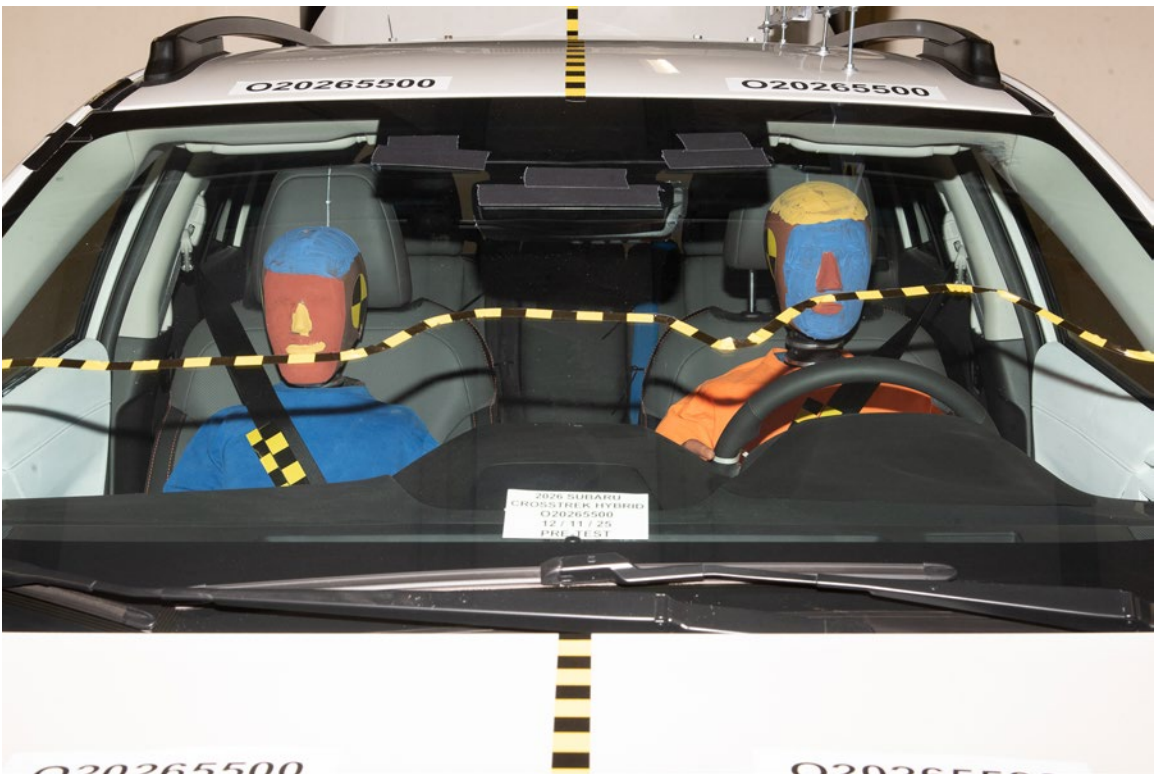


FIGURE 18. Pre-Test Windshield View



FIGURE 19. Post-Test Windshield View



FIGURE 20. Pre-Test Engine Compartment View



FIGURE 21. Post-Test Engine Compartment View



FIGURE 22. Pre-Test Fuel Filler Cap View

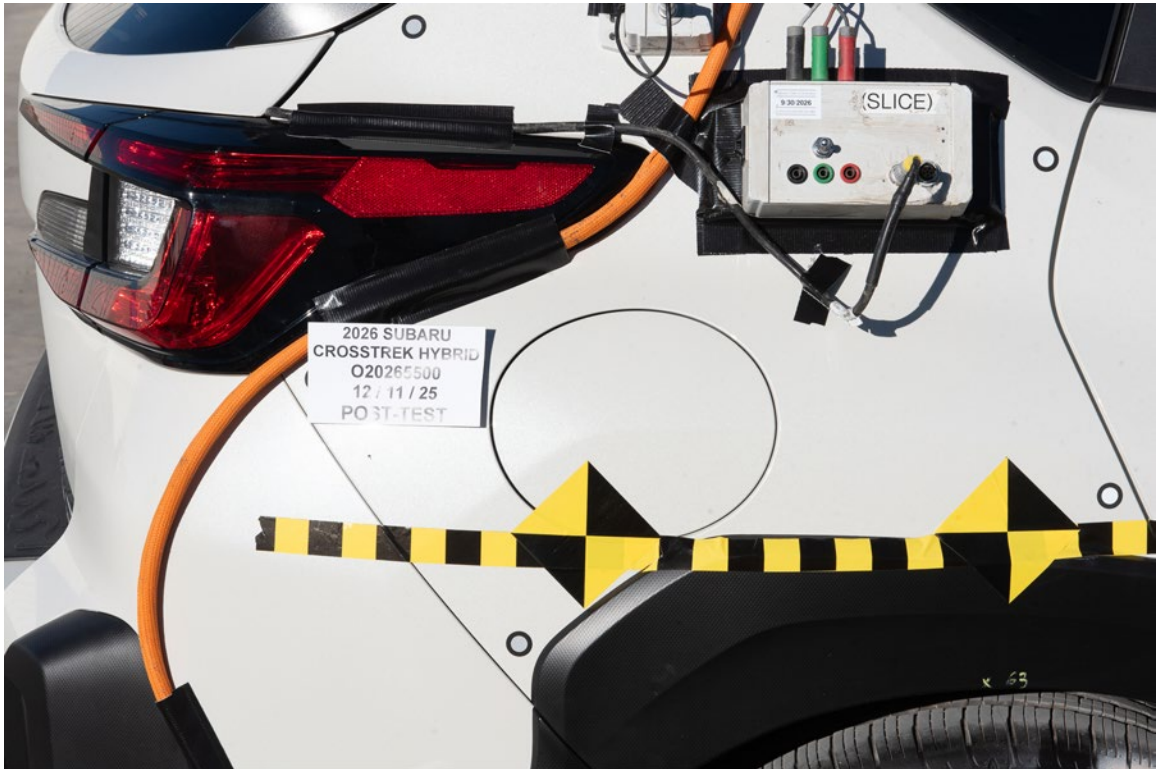


FIGURE 23. Post-Test Fuel Filler Cap View

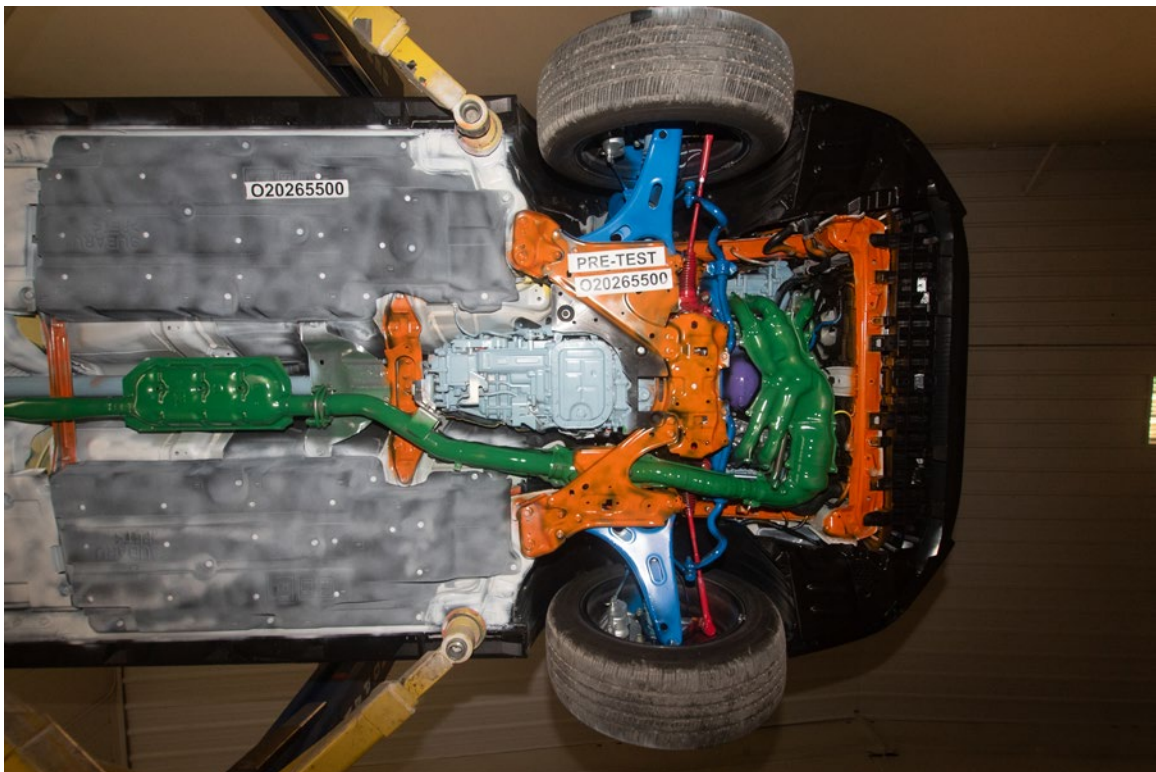


FIGURE 24. Pre-Test Front Underbody View

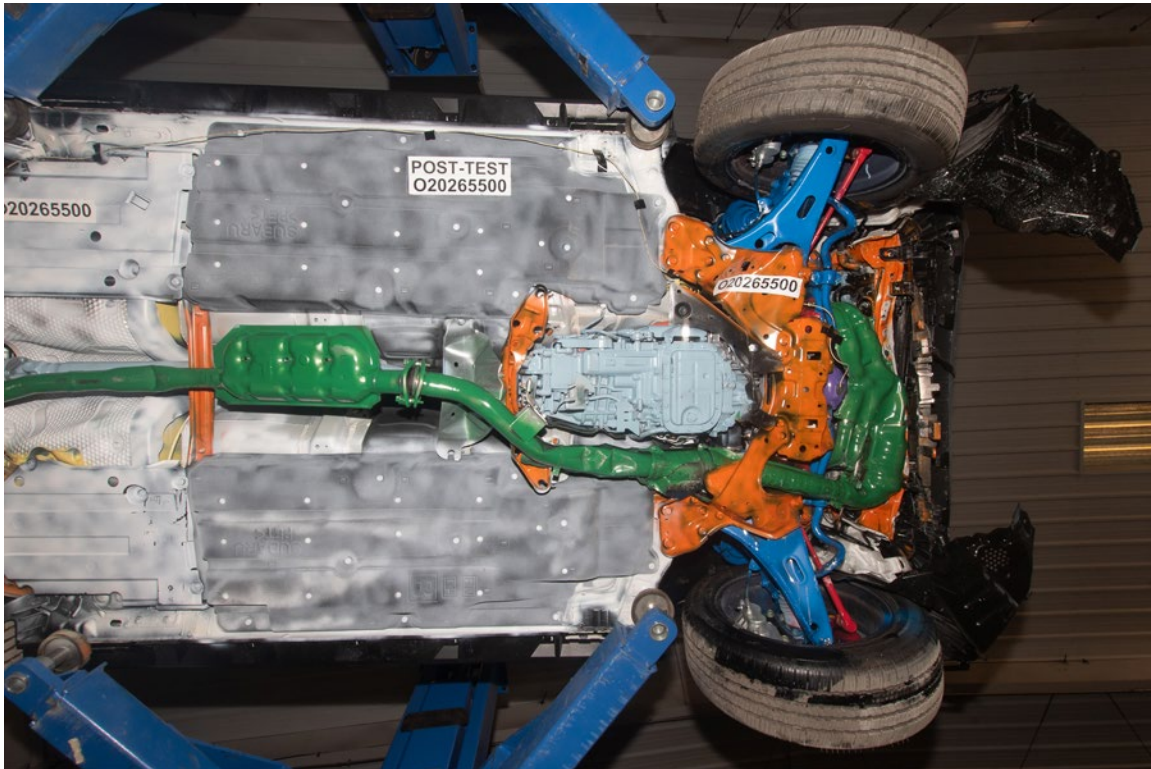


FIGURE 25. Post-Test Front Underbody View

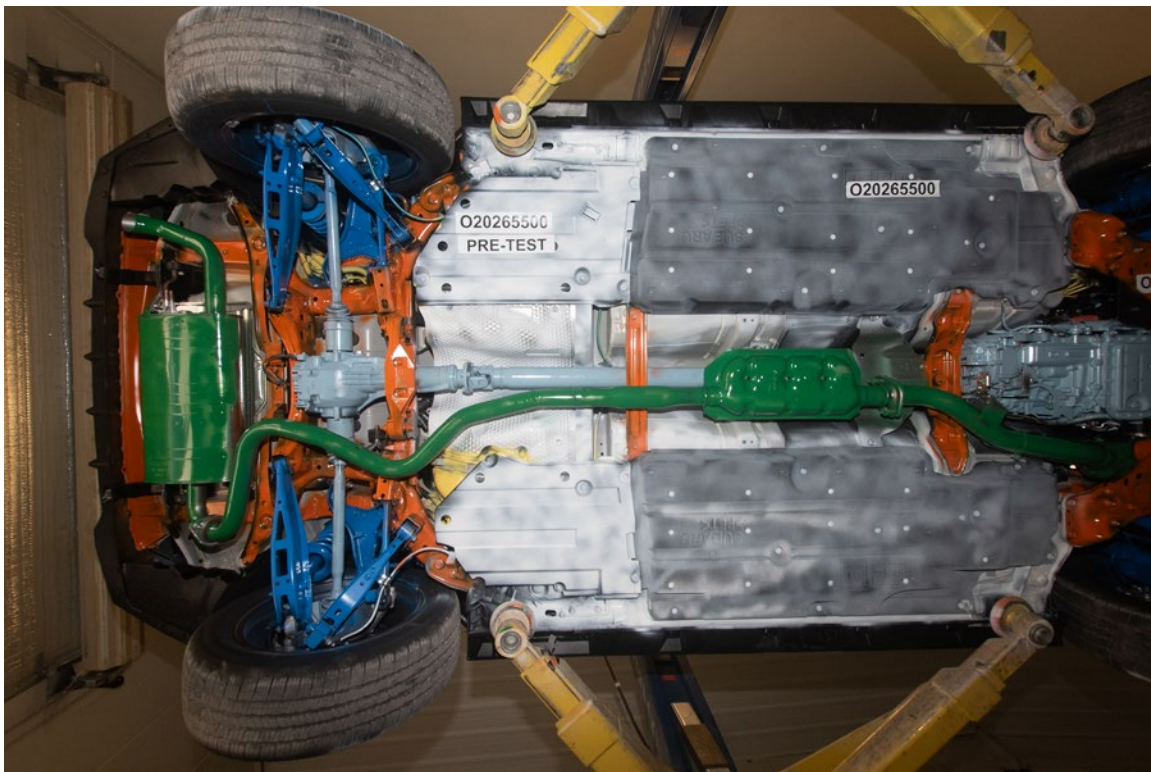


FIGURE 26. Pre-Test Rear Underbody View

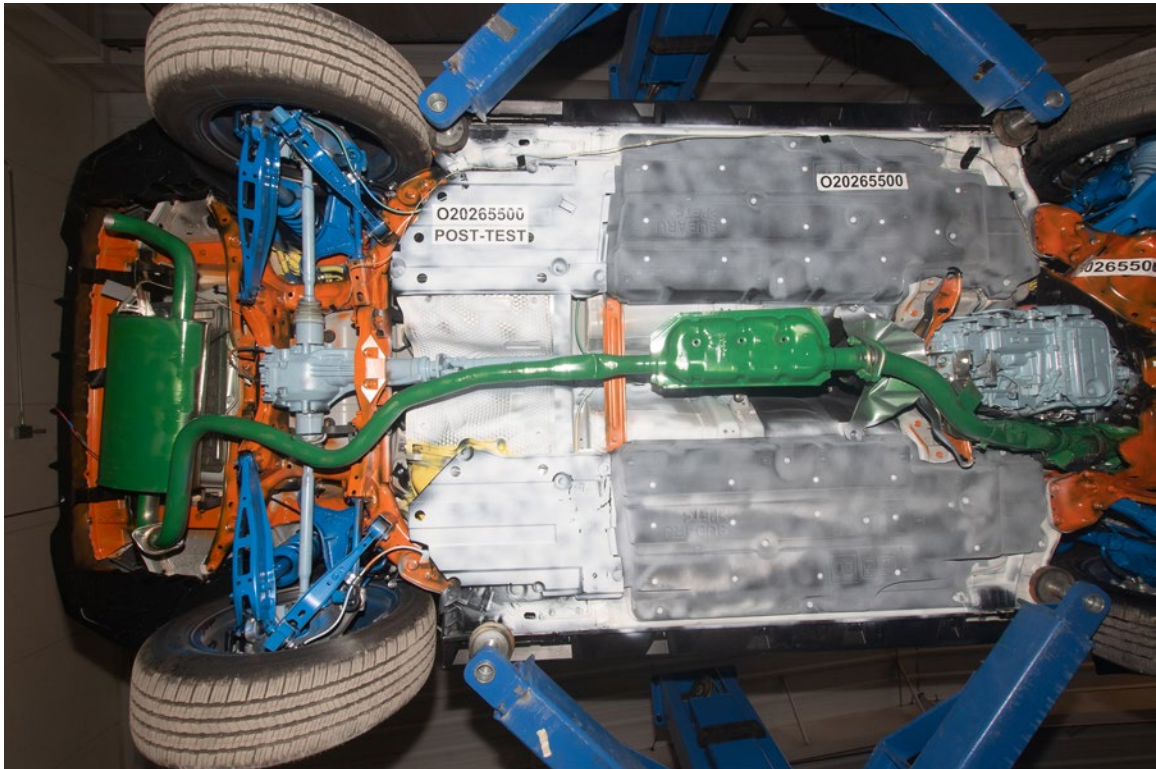


FIGURE 27. Post-Test Rear Underbody View



FIGURE 28. Pre-Test Dummy Cable Routing



FIGURE 29. Post-Test Dummy Cable Routing



FIGURE 30. Pre-Test Driver Dummy Front View



FIGURE 31. Post-Test Driver Dummy Front View



FIGURE 32. Pre-Test Driver Dummy Window View



FIGURE 33. Post-Test Driver Dummy Window View



FIGURE 34. Pre-Test Driver Dummy and Vehicle Interior View



FIGURE 35. Post-Test Driver Dummy and Vehicle Interior View



FIGURE 36. Pre-Test Driver's Seat Fore-Aft Markings



FIGURE 37. Post-Test Driver's Seat Fore-Aft Markings



FIGURE 38. Pre-Test View of Belt Anchorage for Driver Dummy



FIGURE 39. Post-Test View of Belt Anchorage for Driver Dummy



FIGURE 40. Pre-Test View of Belt Buckle and Latch Plate for Driver Dummy



FIGURE 41. Post-Test View of Belt Buckle and Latch Plate for Driver Dummy

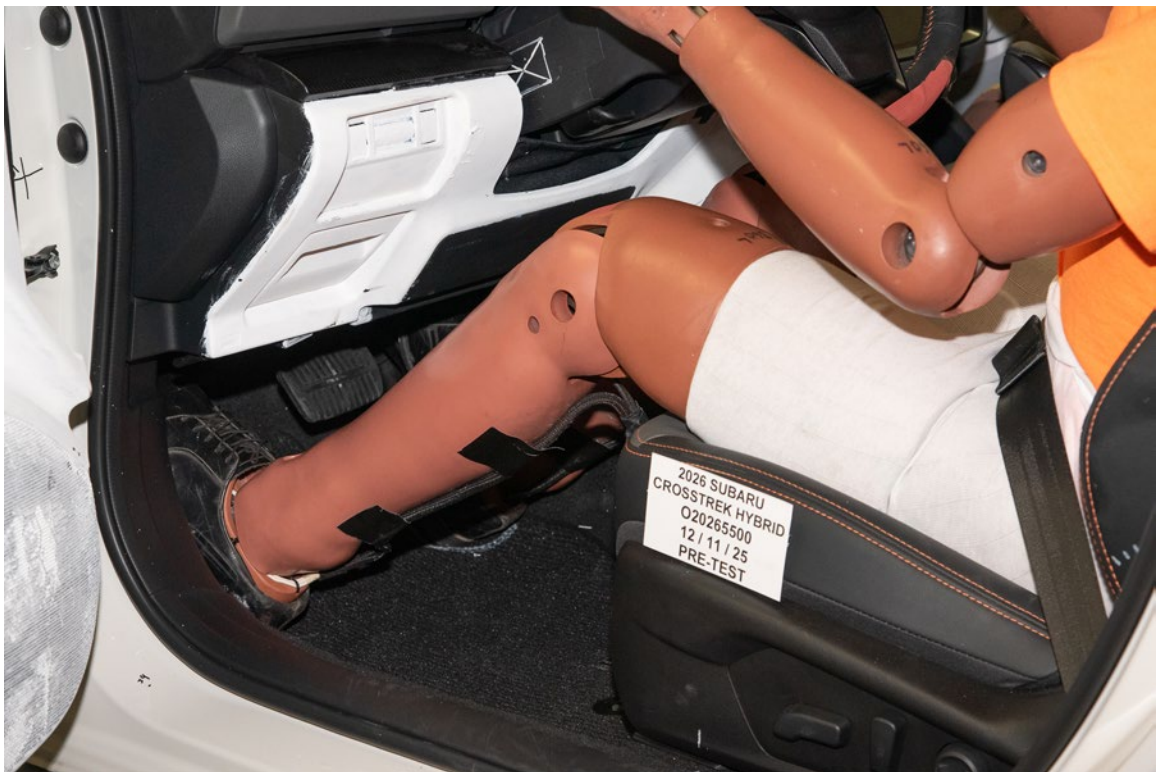


FIGURE 42. Pre-Test Driver Dummy Feet



FIGURE 43. Post-Test Driver Dummy Feet



FIGURE 44. Pre-Test Driver's Side Knee Bolster



FIGURE 45. Post-Test Driver's Side Knee Bolster



FIGURE 46. Pre-Test Driver's Side Floorpan



FIGURE 47. Post-Test Driver's Side Floorpan



FIGURE 48. Post-Test Driver Dummy Face



FIGURE 49. Post-Test Driver Dummy Contact with Air Bag



FIGURE 50. Post-Test Driver Dummy Contact with Headrest



FIGURE 51. Pre-Test View of the Steering Wheel



FIGURE 52. Post-Test View of the Steering Wheel



FIGURE 53. Pre-Test Passenger Dummy Front View



FIGURE 54. Post-Test Passenger Dummy Front View



FIGURE 55. Pre-Test Passenger Dummy Window View



FIGURE 56. Post-Test Passenger Dummy Window View



FIGURE 57. Pre-Test Passenger Dummy and Vehicle Interior View



FIGURE 58. Post-Test Passenger Dummy and Vehicle Interior View



FIGURE 59. Pre-Test Passenger's Seat Fore-Aft Markings



FIGURE 60. Post-Test Passenger's Seat Fore-Aft Markings



FIGURE 61. Pre-Test View of Belt Anchorage for Passenger Dummy



FIGURE 62. Post-Test View of Belt Anchorage for Passenger Dummy

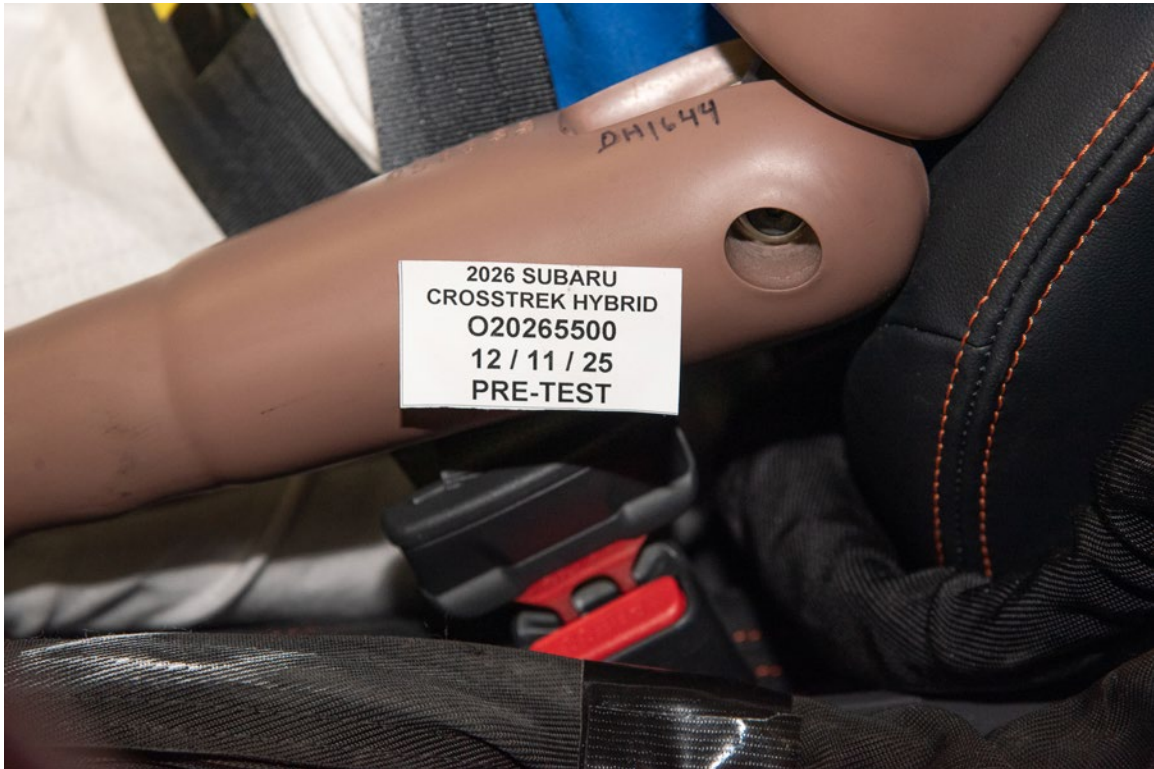


FIGURE 63. Pre-Test View of Belt Buckle and Latch Plate for Passenger Dummy



FIGURE 64. Post-Test View of Belt Buckle and Latch Plate for Passenger Dummy

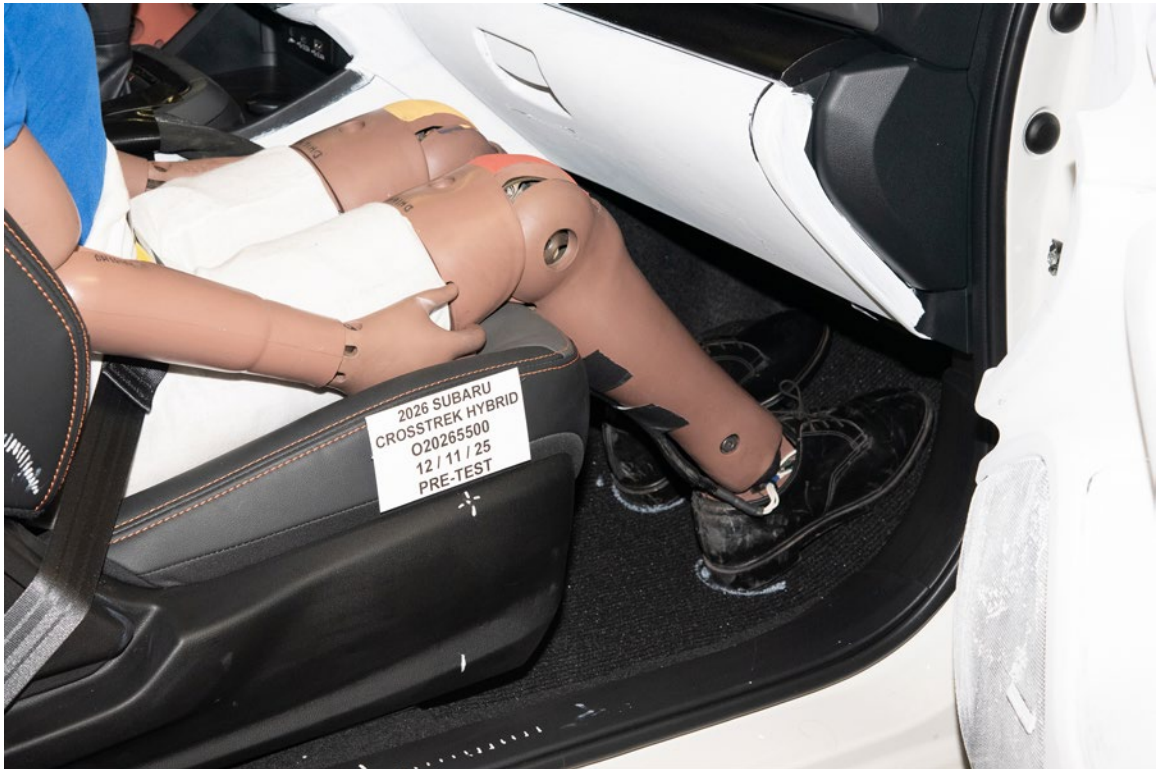


FIGURE 65. Pre-Test Passenger Dummy Feet



FIGURE 66. Post-Test Passenger Dummy Feet



FIGURE 67. Pre-Test Passenger's Side Knee Bolster



FIGURE 68. Post-Test Passenger's Side Knee Bolster



FIGURE 69. Pre-Test Passenger's Side Floorpan



FIGURE 70. Post-Test Passenger's Side Floorpan



FIGURE 71. Post-Test Passenger Dummy Face



FIGURE 72. Post-Test Passenger Dummy Contact with Air Bag



FIGURE 73. Post-Test Passenger Dummy Contact with Headrest

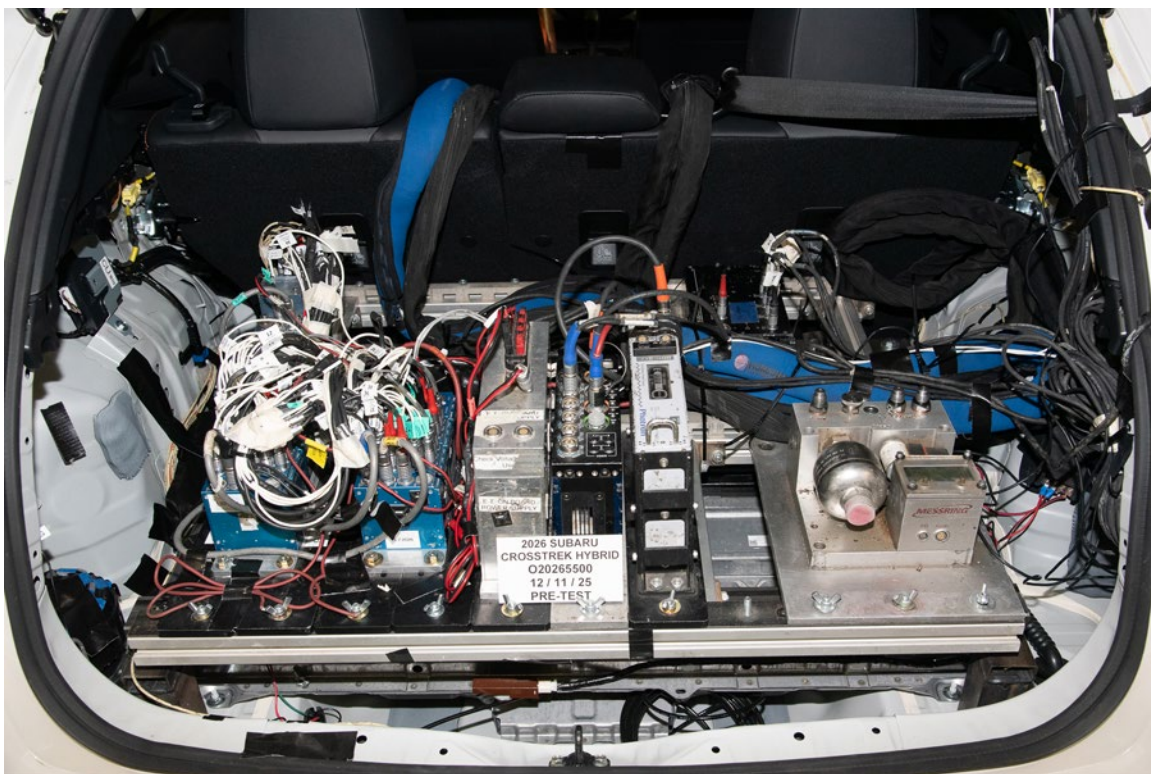


FIGURE 74. Photograph of Ballast Installed in Vehicle

Photograph Not Applicable

No Stoddard Solvent Spillage

FIGURE 75. Post-Test Stoddard Solvent Spillage Location View



FIGURE 76. Post-Test Speed Trap Read-Out



FIGURE 77. Vehicle at 0° on Static Rollover Device

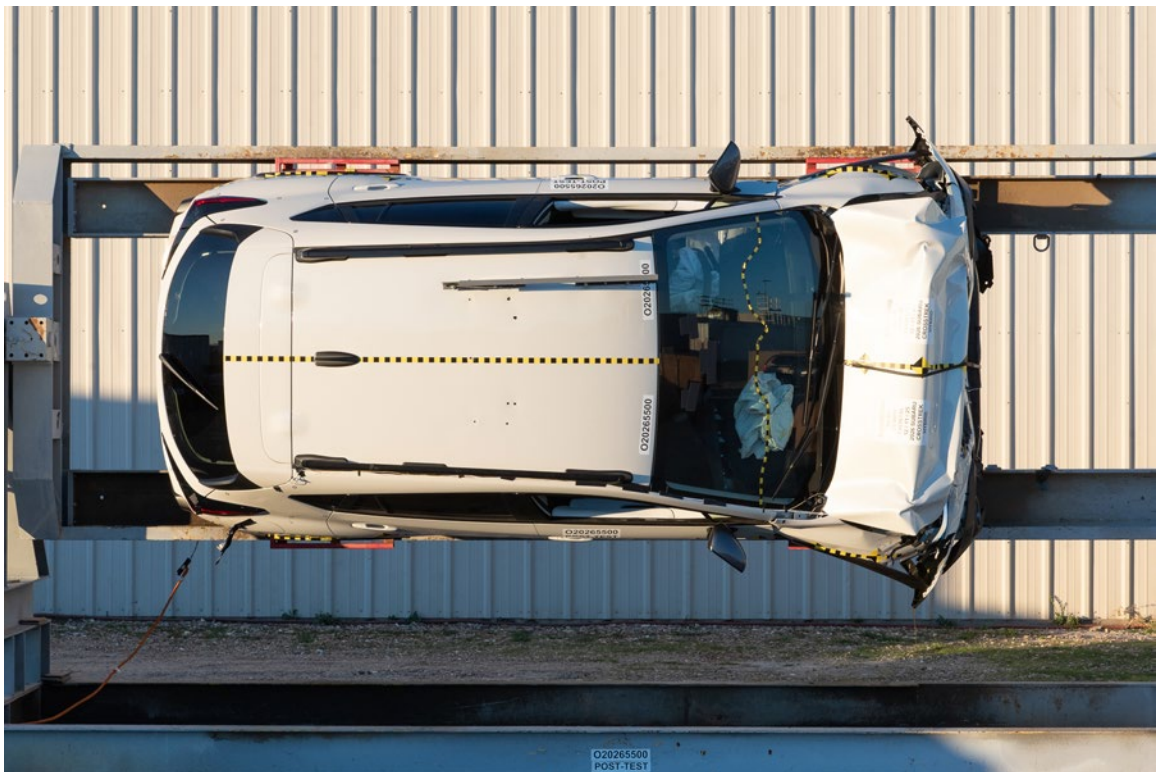
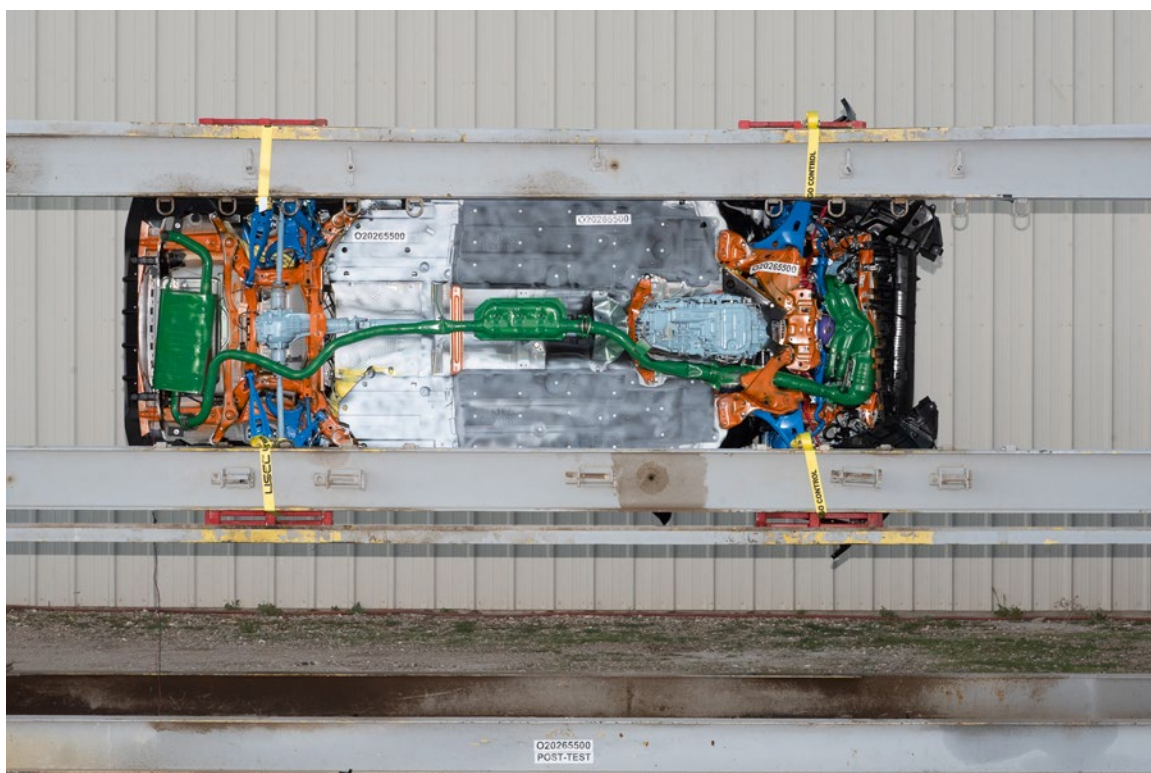


FIGURE 78. Vehicle at 90° on Static Rollover Device



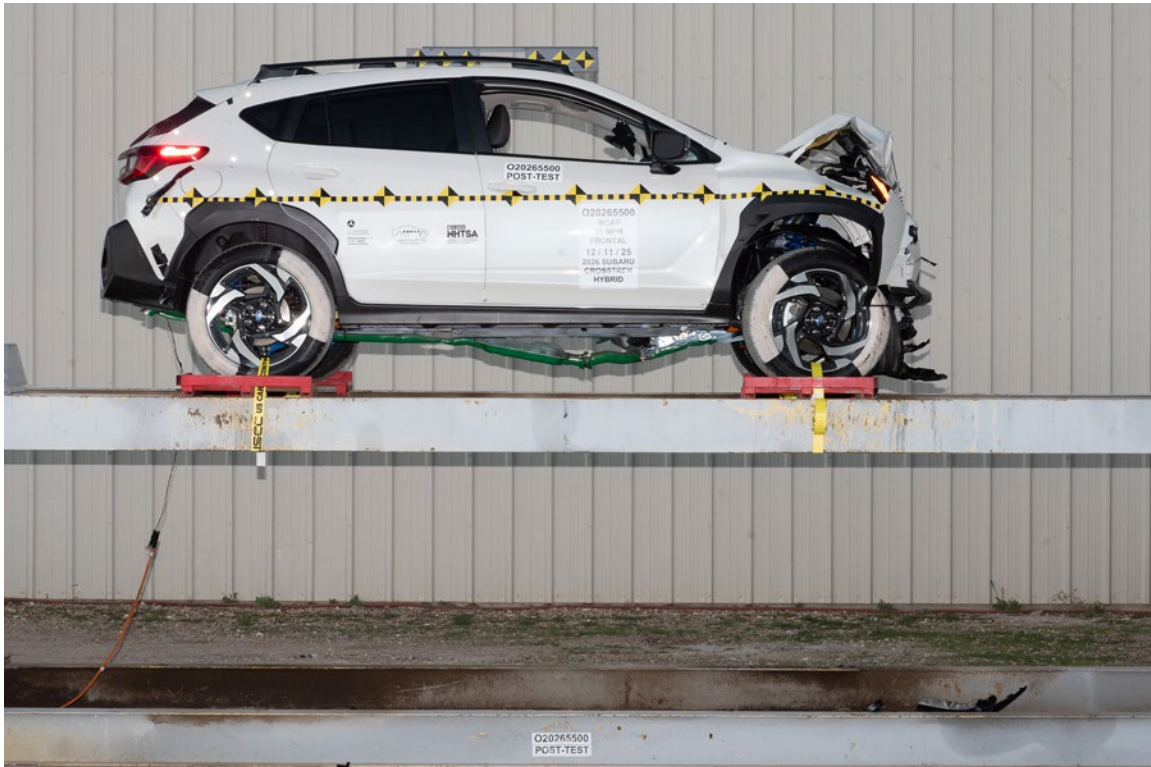


FIGURE 81. Vehicle at 360° on Static Rollover Device



FIGURE 82. 2026 Subaru Crosstrek Frontal Impact Event

CROSSTREK VIN: JF2GUSD9T8201753 2026 SUBARU CROSSTREK LIMITED HYBRID/TH HJ26ENE Deliver by Carrier TRUCK 1466 SHIP TO: 405337 TRUST ANTELOPE VALLEY SUBARU 4528 DRIVERS WAY LANCASTER CA 93334 SOLD TO: 405337 TRUST ANTELOPE VALLEY SUBARU 4528 DRIVERS WAY LANCASTER CA 93334 **SUBARU**

GOVERNMENT 5-STAR SAFETY RATINGS

Overall Vehicle Score Not Rated
Based on the combined ratings of frontal, side and rollover. Should ONLY be compared to other vehicles of similar size and weight.

Frontal Crash Driver Passenger Not Rated Not Rated
Based on the risk of injury in a frontal impact. Should ONLY be compared to other vehicles of similar size and weight.

Side Crash Front seat Rear seat Not Rated Not Rated
Based on the risk of injury in a side impact.

Rollover ★★★★★
Based on the risk of rollover in a single-vehicle crash.

Star ratings range from 1 to 5 stars (★★★★★) with 5 being the highest. Source: National Highway Traffic Safety Administration (NHTSA) www.safercar.gov or 1-888-327-4236

EPA DOT Fuel Economy and Environment Gasoline Vehicle

Fuel Economy 36 MPG combined city highway 2.8 gallons per 100 miles

You save \$1,500 in fuel costs over 5 years compared to the average new vehicle.

Annual fuel cost \$1,400

Fuel Economy & Greenhouse Gas Rating (single only) 1 7 10 Best
This vehicle emits 248 grams CO₂ per mile. The best emits 0 grams per mile (single only). Producing and distributing fuel also creates emissions; learn more at fueleconomy.gov.

Smog Rating (single only) 1 7 10 Best
This vehicle emits 248 grams CO₂ per mile. The best emits 0 grams per mile (single only). Producing and distributing fuel also creates emissions; learn more at fueleconomy.gov.

fuel economy.gov Calculate personalized estimates and compare vehicles

PARTS CONTENT INFORMATION FOR THIS VEHICLE:
U.S./CANADIAN PARTS CONTENT: 0% FINAL ASSEMBLY POINT: OTA, GUNMA, JAPAN
MAJOR SOURCES OF FOREIGN PARTS COUNTRY OF ORIGIN: JAPAN
CONTENT: JAPAN: 85% ENGINE: JAPAN
TRANSMISSION: JAPAN
Note: Parts content does not include final assembly, distribution, or other non-parts costs.

STANDARD EQUIPMENT

SAFETY
Symmetrical All-Wheel Drive (AWD)
EyeSight Driver-Assist System w/ Automatic Emergency Steering
Driver Focus (Distraction Mitigation System)
Advanced Adaptive Cruise Control w/ Lane Centering Assist
Blind Spot Detection w/ Rear Cross-Traffic Alert
Emergency Lane Keep Assist
Reverse Automatic Braking System (RAB)
Driver's Side Knee & Front Passenger Seat Cushion Airbags
Subaru Advanced Frontal Airbag System
Side Curtain Airbags w/ Roll Over Sensor
Front & Rear Seat Side Airbags
Collision Detection Power Door Unlock Function
Vehicle Dynamics Control (VDC)
4-Wheel Disc Brakes w/ Brake Assist
Brake Override System & Safety Pedal System
Daytime Running Lights (DRL)

PERFORMANCE & EXTERIOR
2.5L BOXER Engine w/ Hybrid Electric Drive Technology
Lineartronic CVT w/ Hybrid-Type Manual Shift Mode / SI-DRIVE
Lithium Ion Hybrid Battery
Dual-Function X-MODE w/ Hill Descent Control
18" Dark Gray w/ Machined Finish Alloy Wheels
225/55 R18 88V All-Season Tires
Roof Rails Raised Ladder Top w/ 700lb Static Load Capacity
Full LED Steering Responsive Headlights w/ High Beam Assist
Automatic On/Off Headlights
LED Fog Lights

COMFORT, CONVENIENCE & INTERIOR
Subaru 11.6" Multimedia System w/ Navigation
Harman Kardon Speaker System
Full LCD Digital Gauge Cluster Display
HD Radio & 4 Month SiriusXM w/ 360L Trial Subscription
Wireless Apple CarPlay & Android Auto
MySubaru Companion 5-Year Free Trial Available. T&Cs Apply
*Not Available to Massachusetts Residents or Businesses
Front & Rear Seat Illuminated USB A & USB C Charging Ports
Dual-Zone Automatic Climate Control w/ Air Filtration System
Heated Seats, Wipers, & Exterior Mirrors
Heated Steering Wheel
Leather-Wrapped Steering Wheel & Shifter
StarTex Upholstery
10 Way Power Driver Seat w/ 2 Way Lumbar Support
Wireless Phone Charger

LIMITED WARRANTY/ROADSIDE ASSISTANCE
3 Years / 36,000 Miles Basic
5 Years / 60,000 Miles Powertrain
8 Years / 100,000 Miles Hybrid System
5 Years / Unlimited Mileage Rust Perforation
3 Years / 36,000 24/7 Roadside Assistance
See Owner Info Kit & Warranty for Details

OPTIONAL EQUIPMENT AND OTHER ITEMS

Manufacturer's Suggested Retail Price \$34,995.00
Full Tank of Gas INCLD
Standard Option: 36
Crosstrek Mirror package \$782.00
Mirror Compass w/ homelink
Auto-Dimming Exterior Mirror
Rear Bumper Cover \$165.00
LED Upgrade \$135.00

Destination and Delivery \$1,420.00
Total Suggested Retail Price \$37,495.00
TAX, LICENSE AND REGISTRATION FEES ARE NOT INCLUDED IN THIS PRICE. DO NOT REMOVE OR ALTER PRIOR TO THE DELIVERY TO THE BUYER'S POSSESSION.

Privacy Notice
www.subaru.com/company/privacy.html

FIGURE 83. Monroney Label Photograph



FIGURE 305-01. First Responder Warning Label



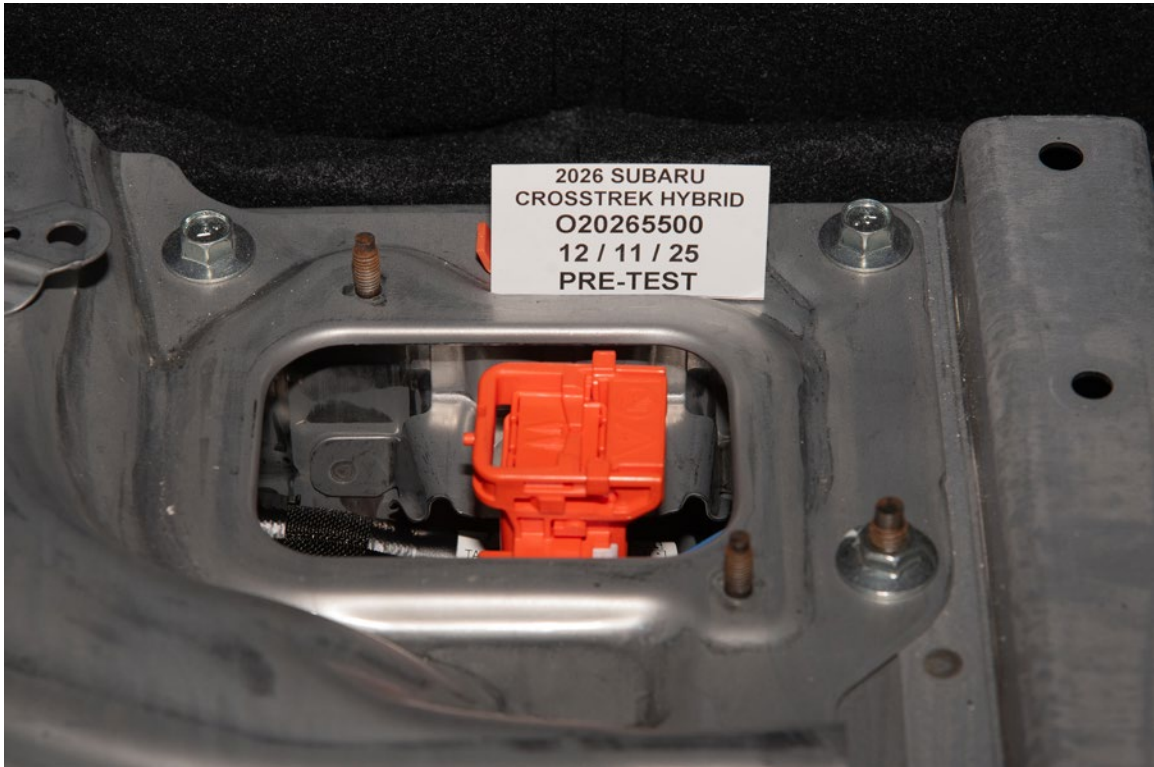


FIGURE 305-04. Manual High Voltage Service Disconnect in Place

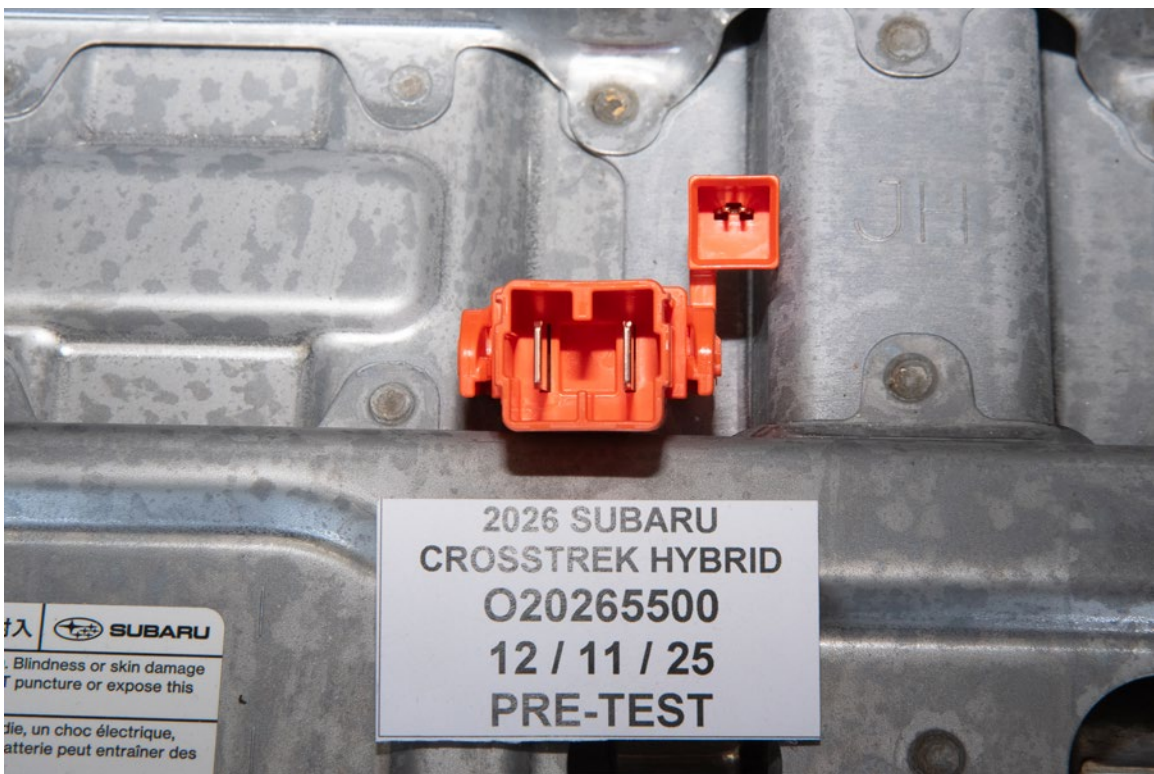


FIGURE 305-05. Manual High Voltage Service Disconnect Removed



FIGURE 305-06. Manual High Voltage Service Disconnect Removed

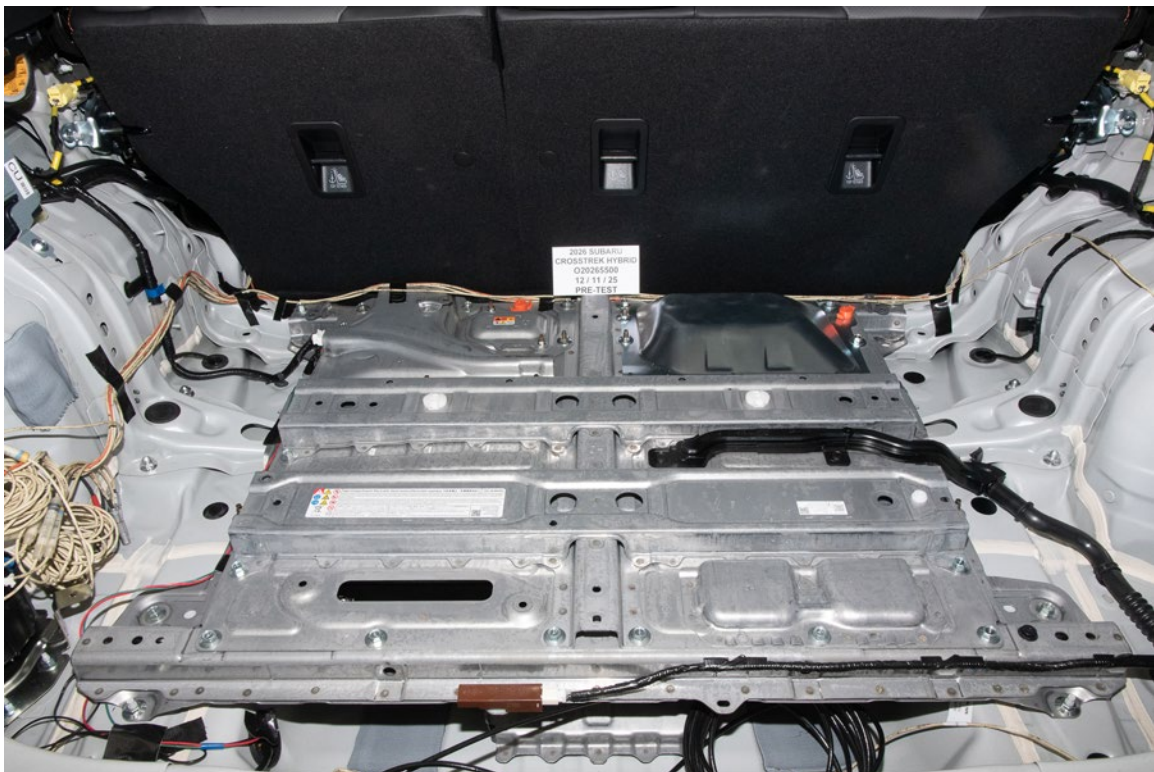


FIGURE 305-07. Pre-Impact View of Propulsion Battery



FIGURE 305-08. Post-Impact Rear View of Propulsion Battery

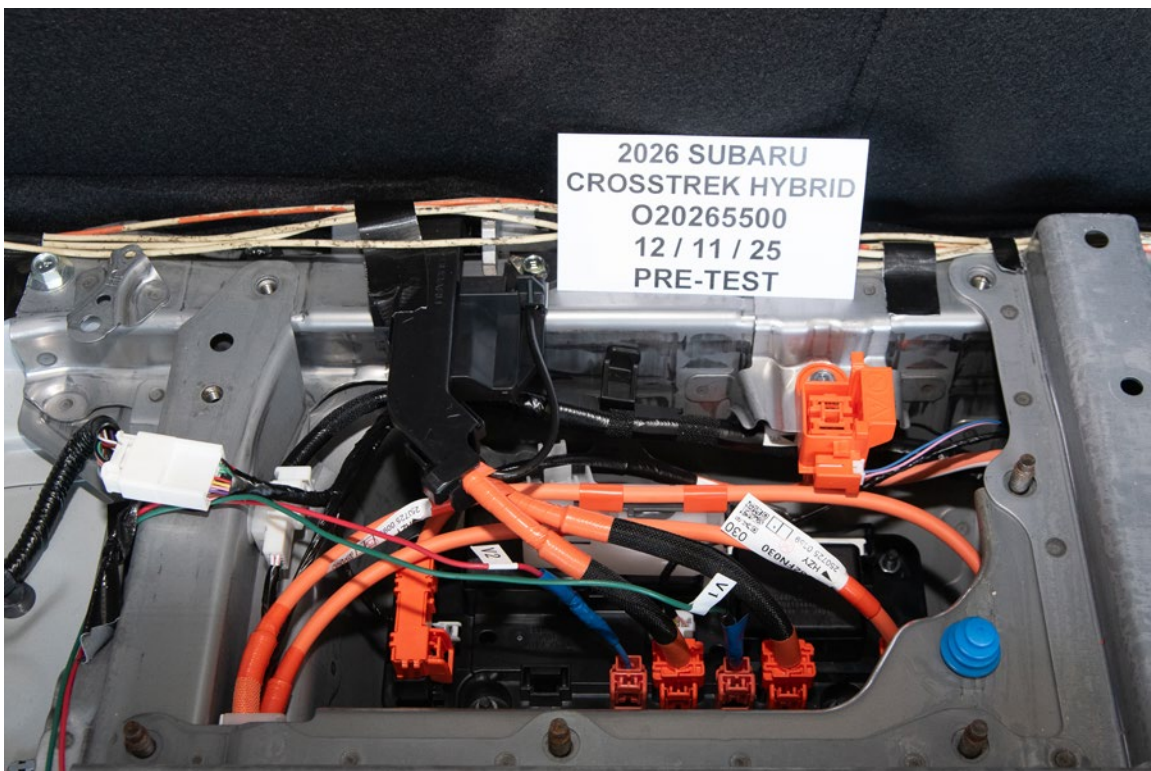


FIGURE 305-09. Pre-Impact View of High Voltage Interconnect(s)

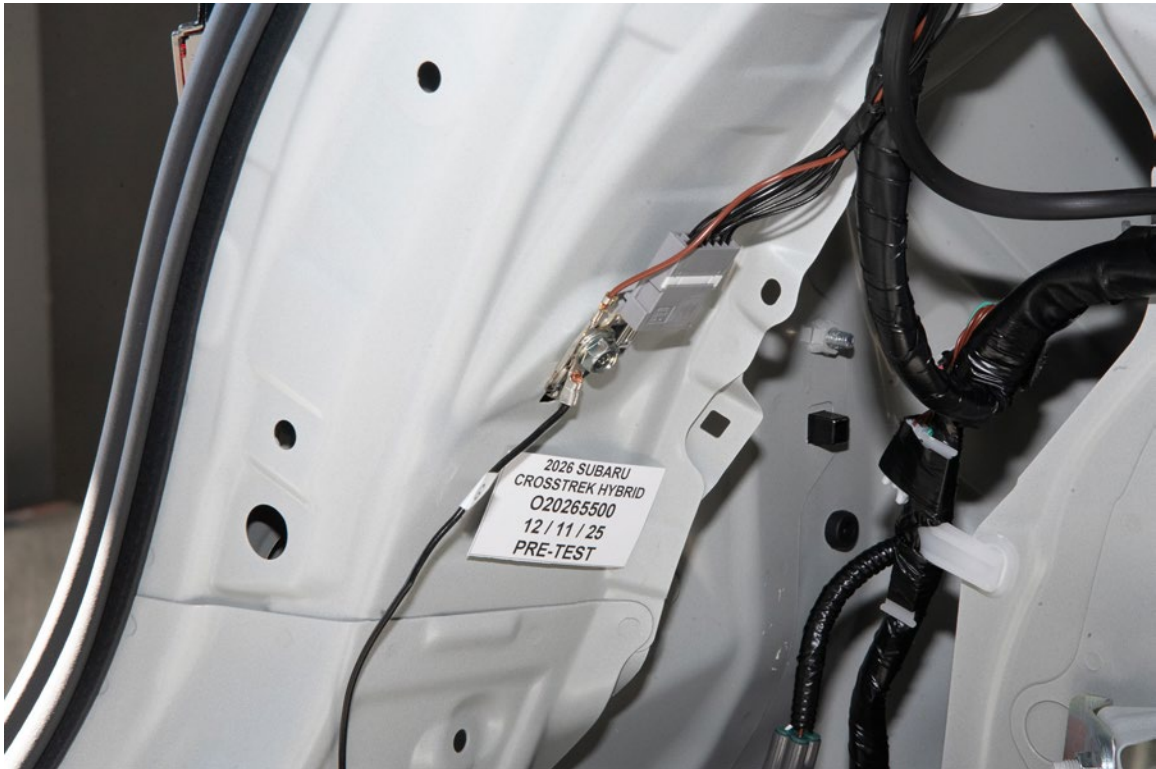


FIGURE 305-010. Pre-Impact View of Ground Lead Attached

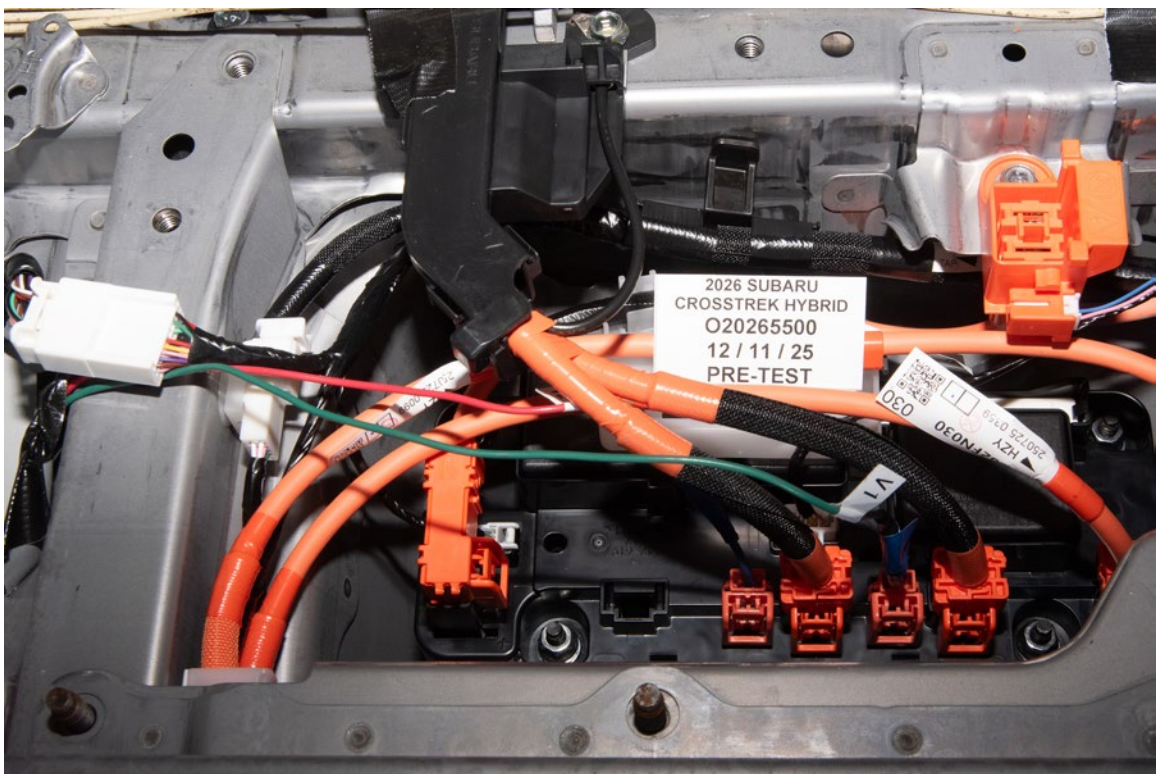


FIGURE 305-011. Pre-Impact View of High Voltage Leads Attached

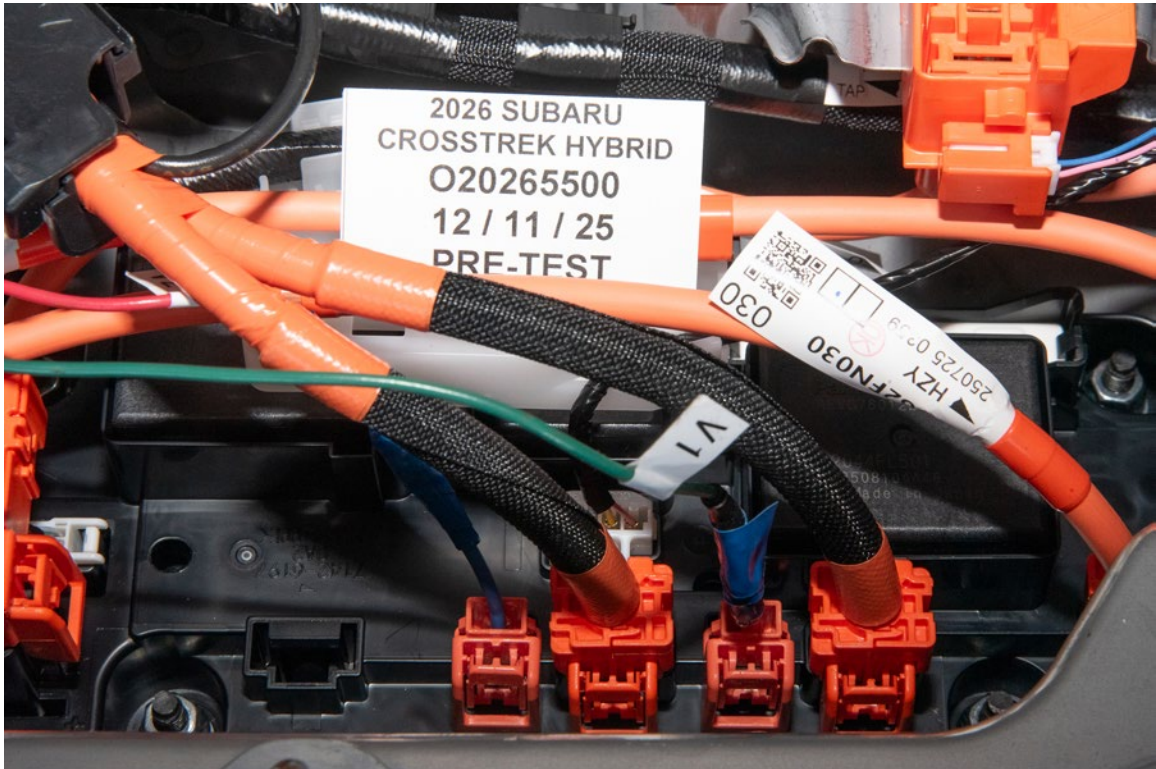


FIGURE 305-012. Pre-Impact Close-Up View of High Voltage Leads Attached



FIGURE 305-013. Pre-Impact View of Installed Test Interface Port

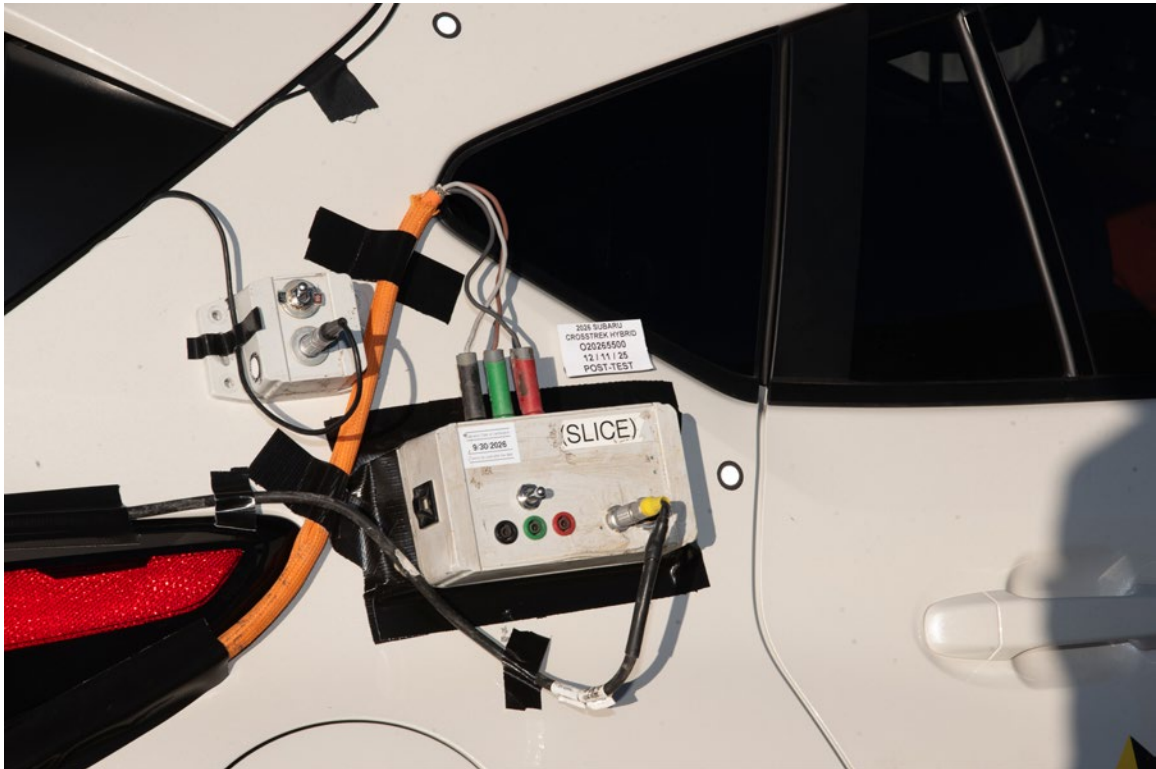


FIGURE 305-014. Post-Impact View of Installed Test Interface Port

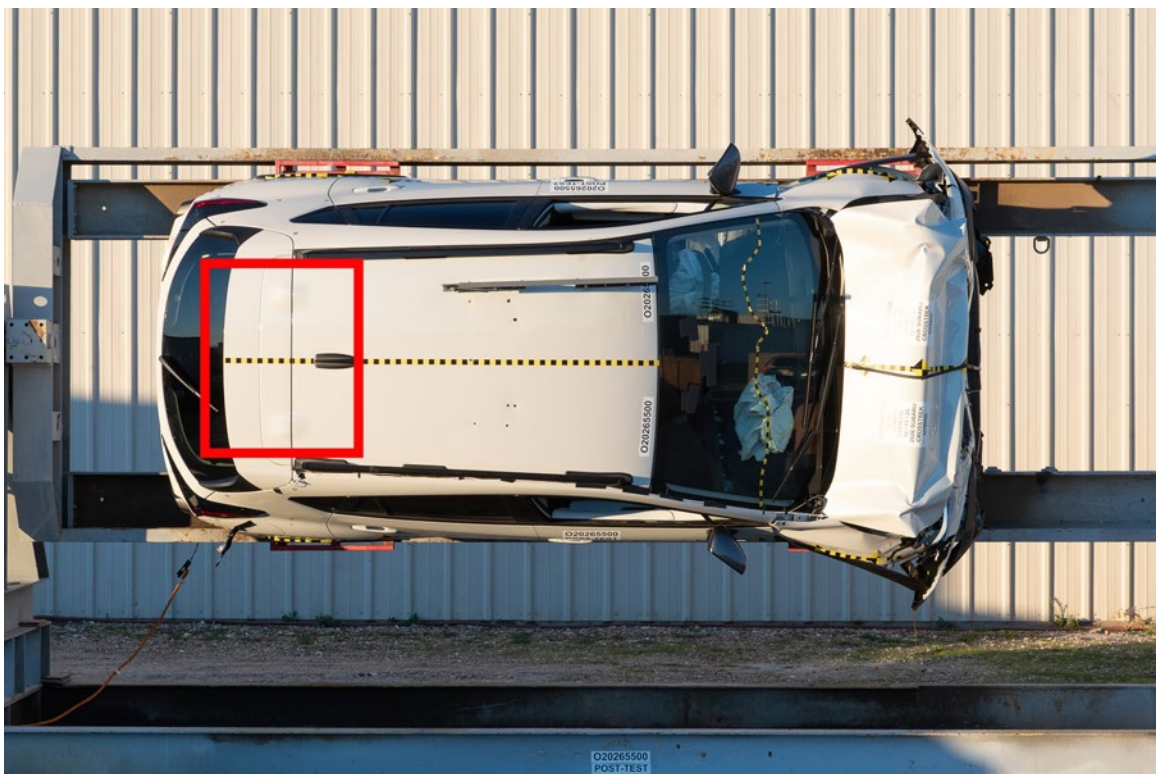
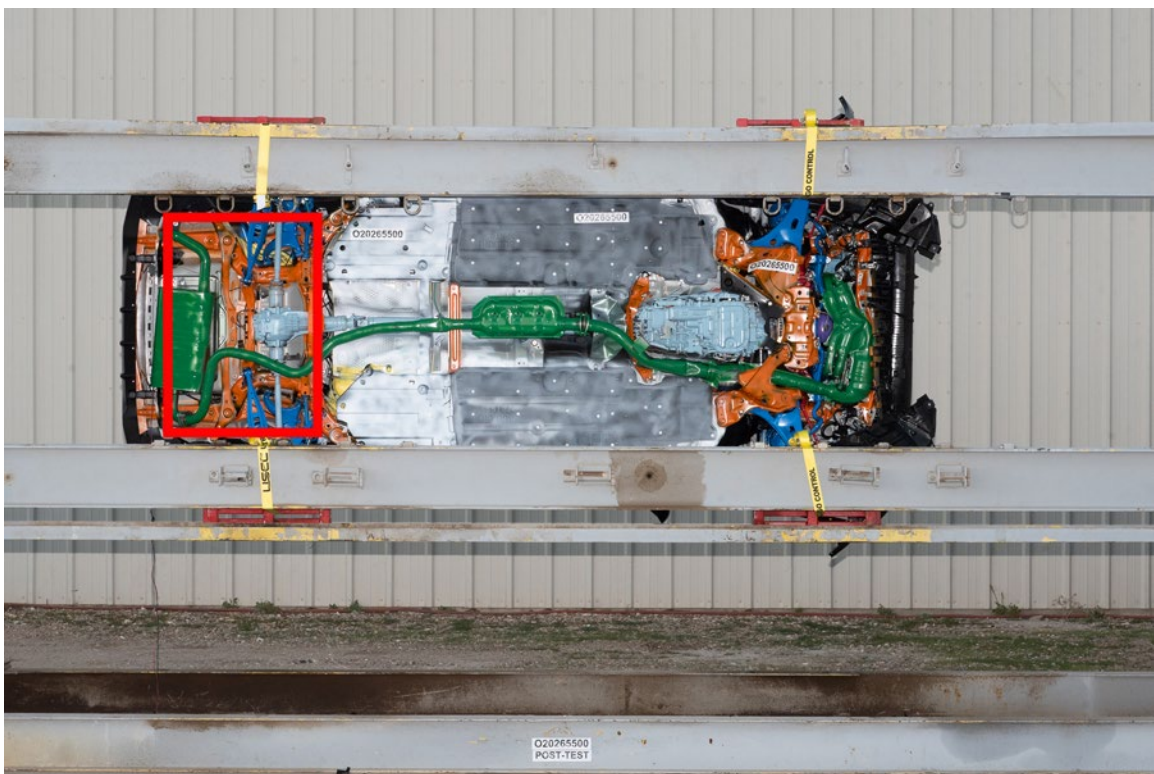
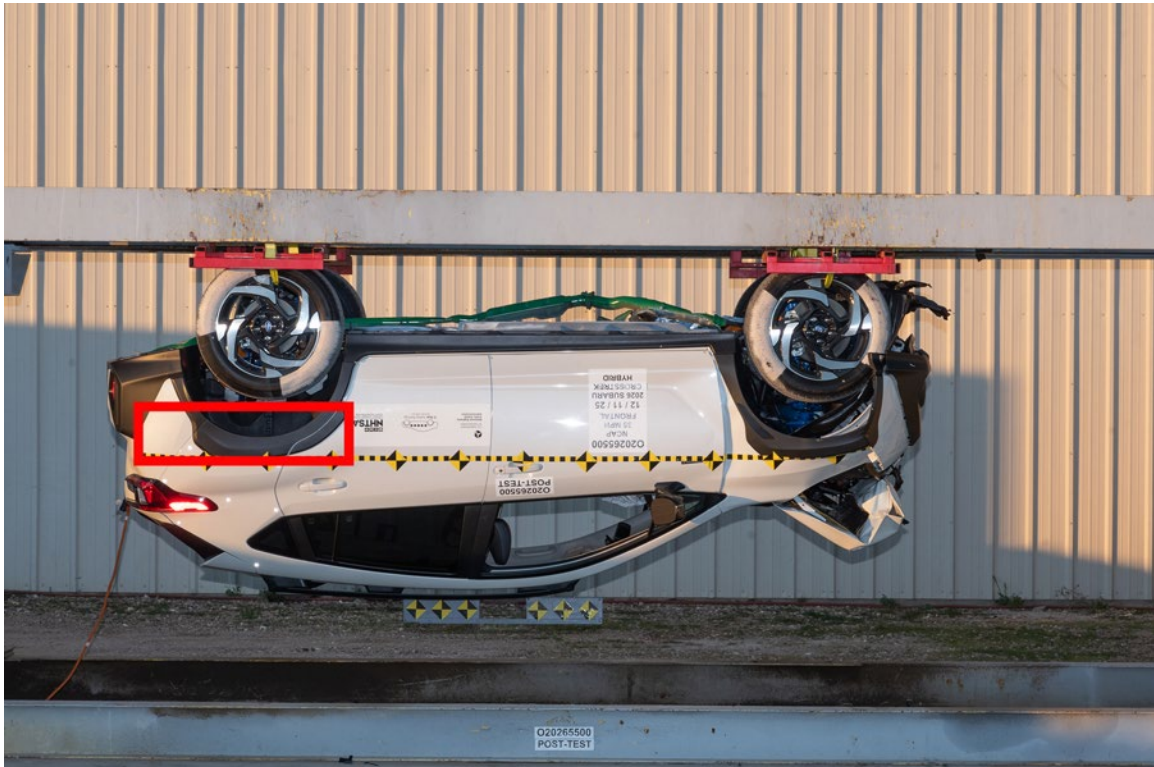


FIGURE 305-015. FMVSS No. 305 Static Rollover at 90°



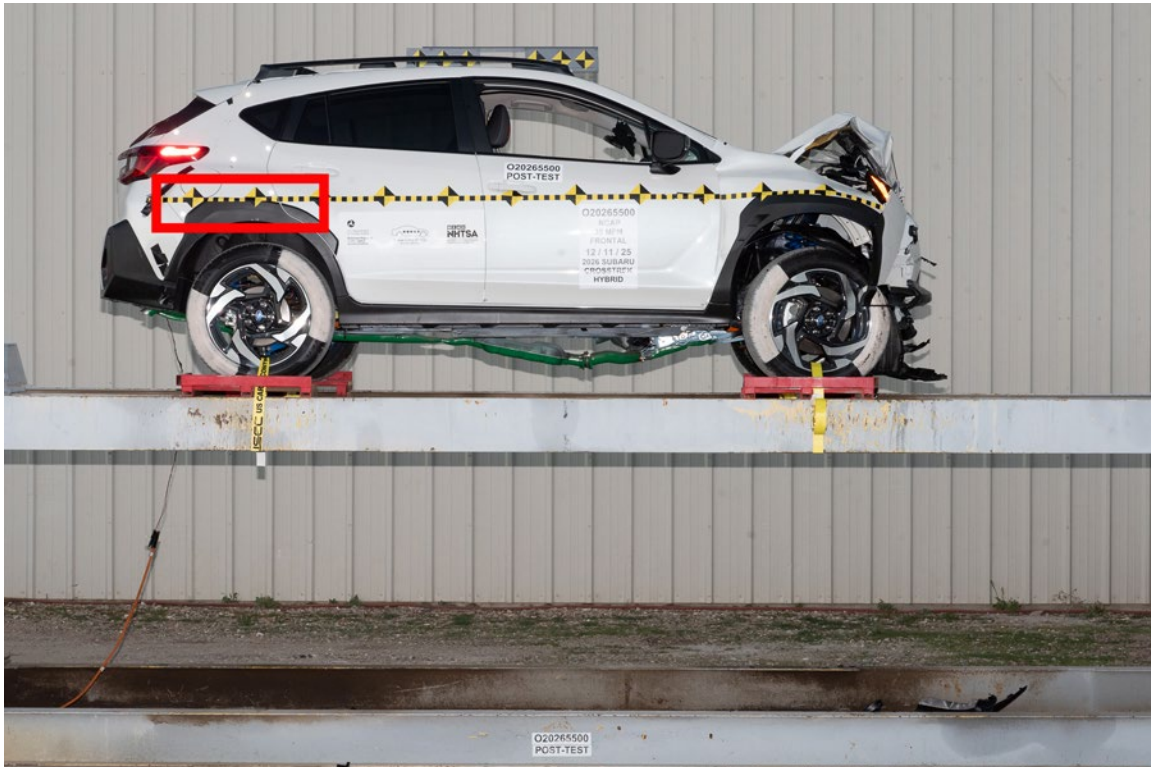


FIGURE 305-018. FMVSS No. 305 Static Rollover at 360°



FIGURE 305-019. Pre-Impact View of the Vehicle Passenger Compartment Adjacent to Propulsion Battery



FIGURE 305-020. Post-Impact View of the Vehicle Passenger Compartment Adjacent to Propulsion Battery

APPENDIX B
DUMMY RESPONSE DATA TRACES

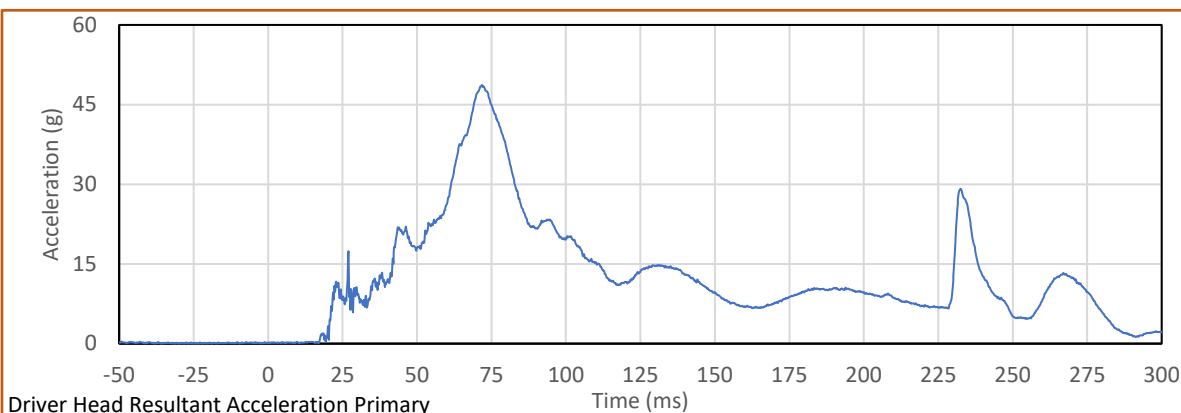
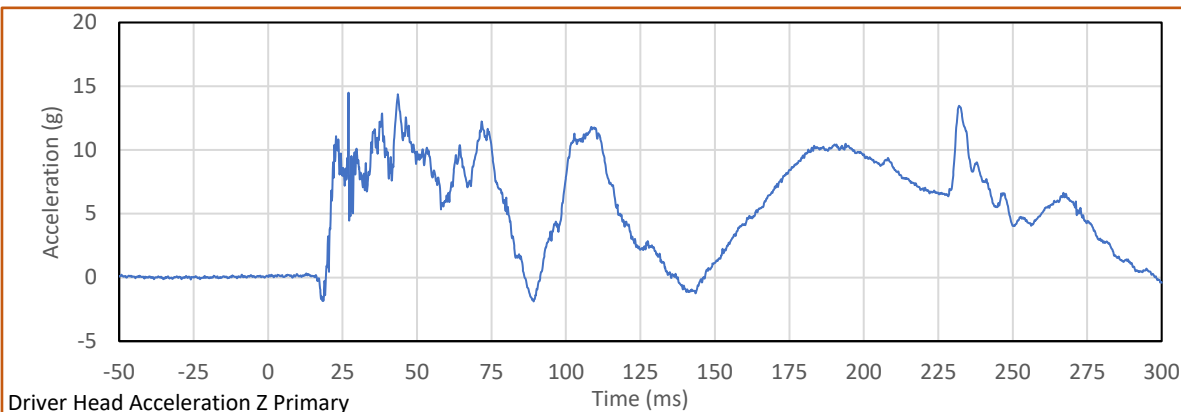
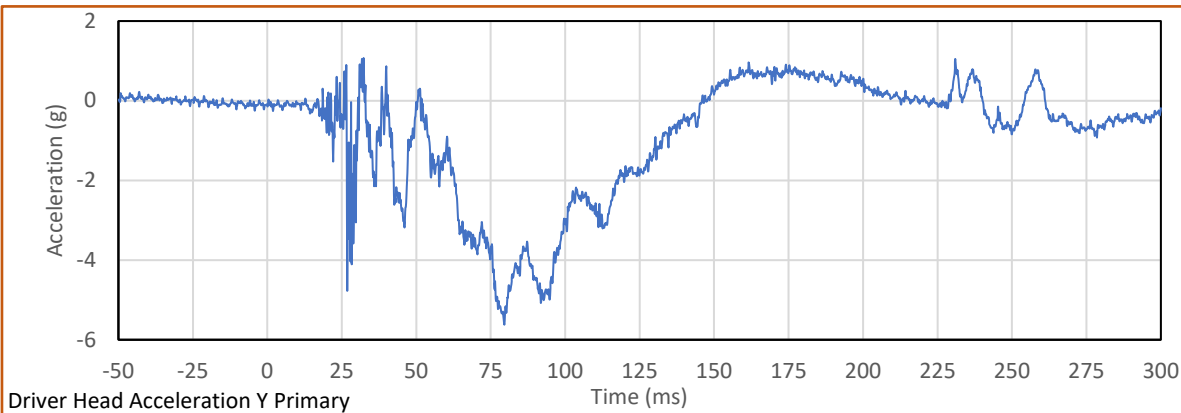
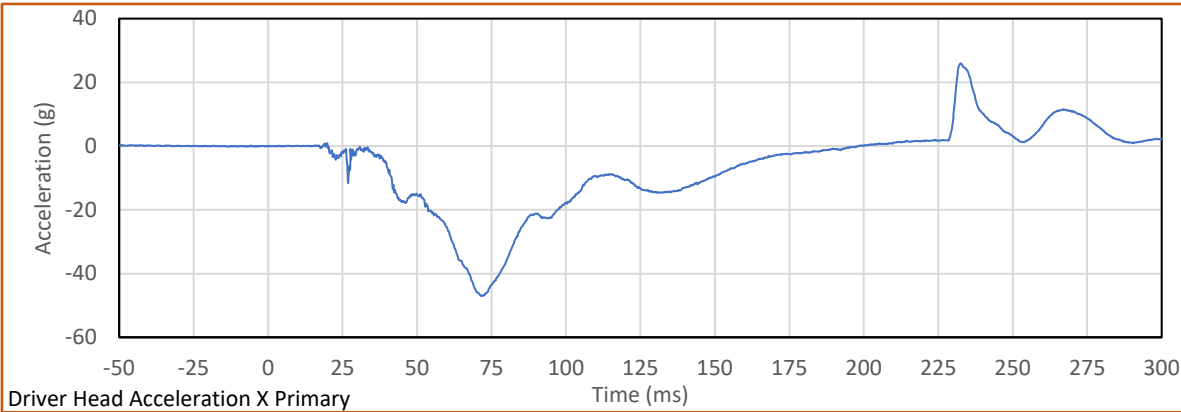
TABLE OF DATA PLOTS

Plot		Page
1	Driver Head Acceleration X Primary	B-1
2	Driver Head Acceleration Y Primary	B-1
3	Driver Head Acceleration Z Primary	B-1
4	Driver Head Resultant Acceleration Primary	B-1
5	Driver Chest X Deflection	B-2
6	Driver Upper Neck Force X	B-3
7	Driver Upper Neck Force Z	B-3
8	Driver Upper Neck Moment Y	B-3
9	Driver Nij	B-3
10	Driver Chest Acceleration X Primary	B-4
11	Driver Chest Acceleration Y Primary	B-4
12	Driver Chest Acceleration Z Primary	B-4
13	Driver Chest Resultant Acceleration Primary	B-4
14	Driver Left Femur Force Z	B-5
15	Driver Right Femur Force Z	B-5
16	Passenger Head Acceleration X Primary	B-6
17	Passenger Head Acceleration Y Primary	B-6
18	Passenger Head Acceleration Z Primary	B-6
19	Passenger Head Resultant Acceleration Primary	B-6
20	Passenger Chest X Deflection	B-7
21	Passenger Upper Neck Force X	B-8
22	Passenger Upper Neck Force Z	B-8
23	Passenger Upper Neck Moment Y	B-8
24	Passenger Nij	B-8
25	Passenger Chest Acceleration X Primary	B-9
26	Passenger Chest Acceleration Y Primary	B-9
27	Passenger Chest Acceleration Z Primary	B-9
28	Passenger Chest Resultant Acceleration Primary	B-9
29	Passenger Left Femur Force Z	B-10
30	Passenger Right Femur Force Z	B-10

The following additional dummy and vehicle response data can be found in the R&D section of the NHTSA website at www.nhtsa.gov

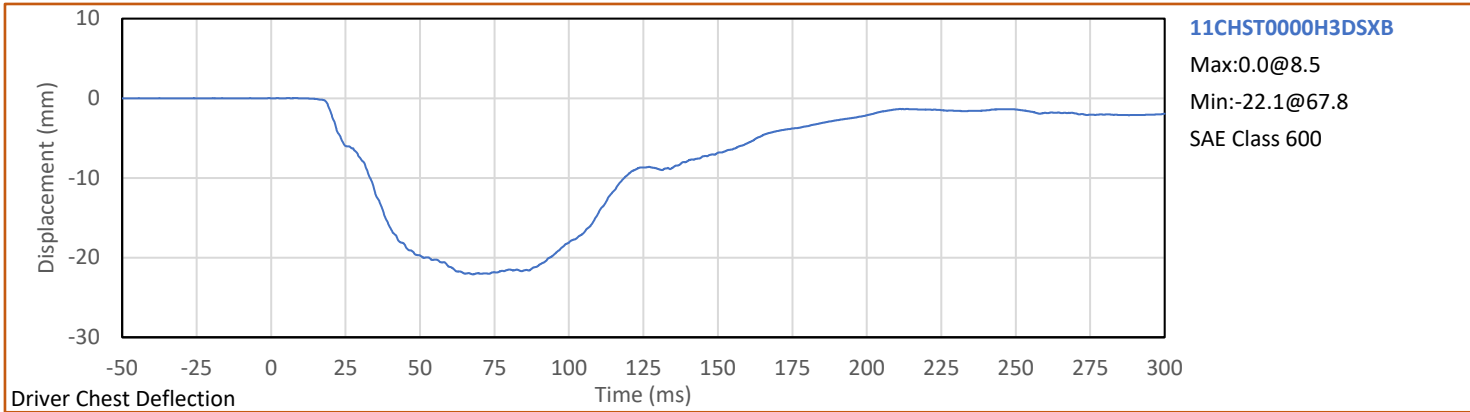
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Driver Head Y Acceleration Redundant
Driver Head Z Acceleration Redundant
Driver Upper Neck Force Y
Driver Upper Neck Moment X
Driver Upper Neck Moment Z
Driver Chest X Acceleration Redundant
Driver Chest Y Acceleration Redundant
Driver Chest Z Acceleration Redundant
Driver Pelvis X
Driver Pelvis Y
Driver Pelvis Z
Driver Left Femur Force Z Redundant
Driver Right Femur Force Z Redundant
Driver Left Upper Tibia Moment X
Driver Left Upper Tibia Moment Y
Driver Left Upper Tibia Force Z
Driver Left Lower Tibia Moment X
Driver Left Lower Tibia Moment Y
Driver Left Lower Tibia Force Z
Driver Right Upper Tibia Moment X
Driver Right Upper Tibia Moment Y
Driver Right Upper Tibia Force Z
Driver Right Lower Tibia Moment X
Driver Right Lower Tibia Moment Y
Driver Right Lower Tibia Force Z
Driver Left Foot Fore Z
Driver Left Foot Aft X
Driver Left Foot Aft Z
Driver Right Foot Fore Z
Driver Right Foot Aft X
Driver Right Foot Aft Z
Driver Shoulder Belt Force
Driver Lap Belt Force
Driver Head Angular Velocity X
Driver Head Angular Velocity Y
Driver Head Angular Velocity Z
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Passenger Head Z Acceleration Redundant
Passenger Upper Neck Force X
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Passenger Upper Neck Moment Y

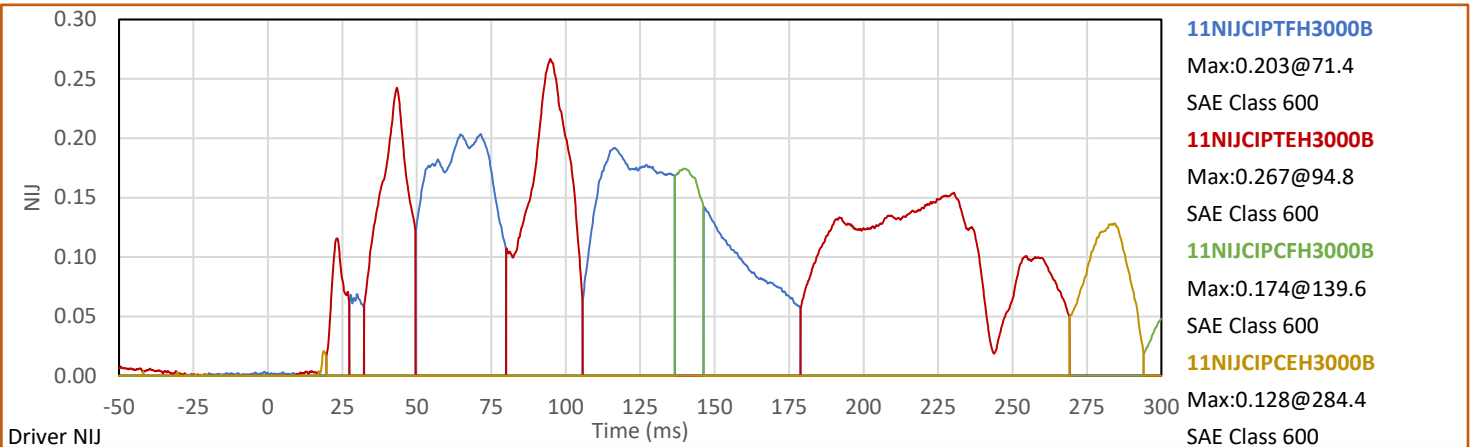
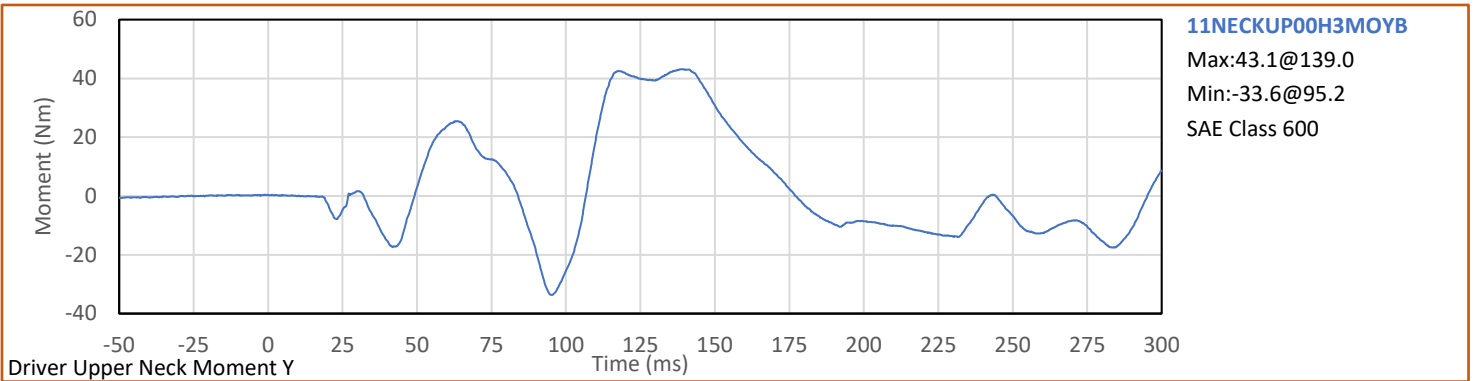
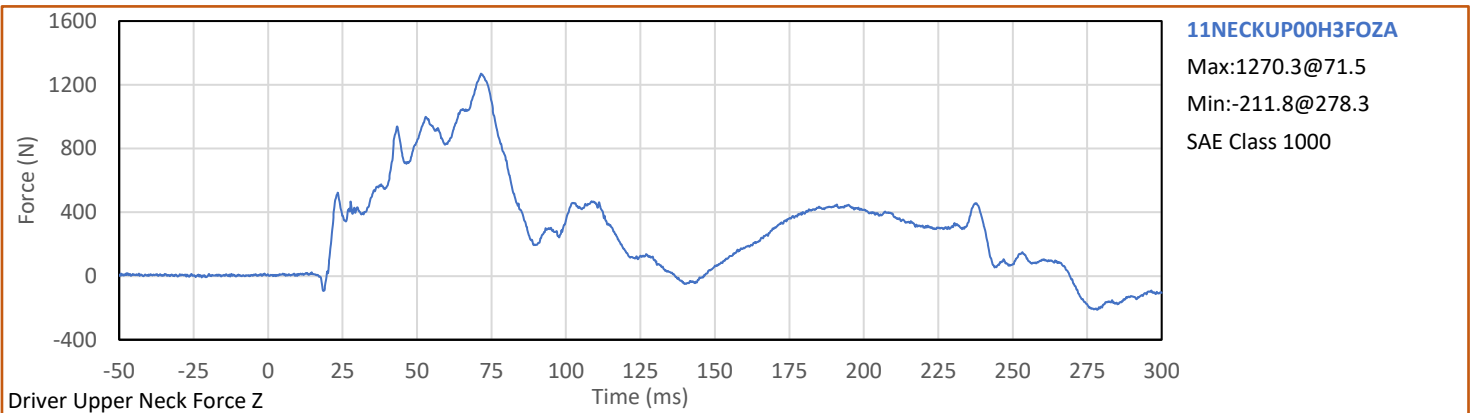
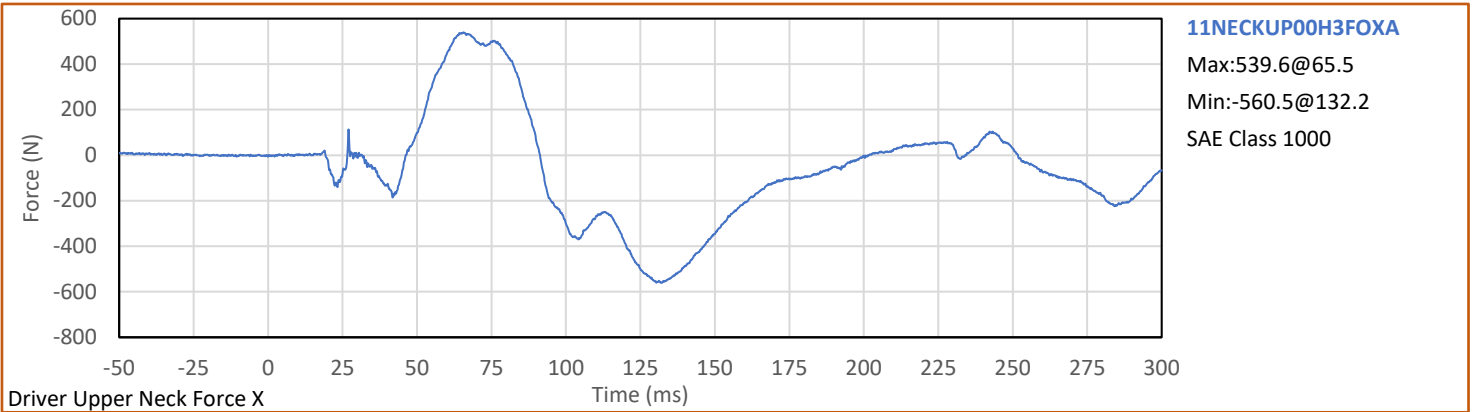
Passenger Chest X Acceleration Redundant
Passenger Chest Y Acceleration Redundant
Passenger Chest Z Acceleration Redundant
Passenger Pelvis X
Passenger Pelvis Y
Passenger Pelvis Z
Passenger Left Femur Force Redundant
Passenger Right Femur Force Redundant
Passenger Left Upper Tibia Moment X
Passenger Left Upper Tibia Moment Y
Passenger Left Upper Tibia Force Z
Passenger Left Lower Tibia Moment X
Passenger Left Lower Tibia Moment Y
Passenger Left Lower Tibia Force Z
Passenger Right Upper Tibia Moment X
Passenger Right Upper Tibia Moment Y
Passenger Right Upper Tibia Force Z
Passenger Right Lower Tibia Moment X
Passenger Right Lower Tibia Moment Y
Passenger Right Lower Tibia Force Z
Passenger Left Foot Fore Z
Passenger Left Foot Aft X
Passenger Left Foot Aft Z
Passenger Right Foot Fore Z
Passenger Right Foot Aft X
Passenger Right Foot Aft Z
Passenger Shoulder Belt Force
Passenger Lap Belt Force
Passenger Head Angular Velocity X
Passenger Head Angular Velocity Y
Passenger Head Angular Velocity Z
Left Rear Seat Crossmember X
Left Rear Seat Crossmember Z
Right Rear Seat Crossmember X
Right Rear Seat Crossmember Z
Left Rear Seat Crossmember X Redundant
Right Rear Seat Crossmember X Redundant
Vehicle Engine Top X
Vehicle Engine Bottom X
Load Cell Barrier Forces

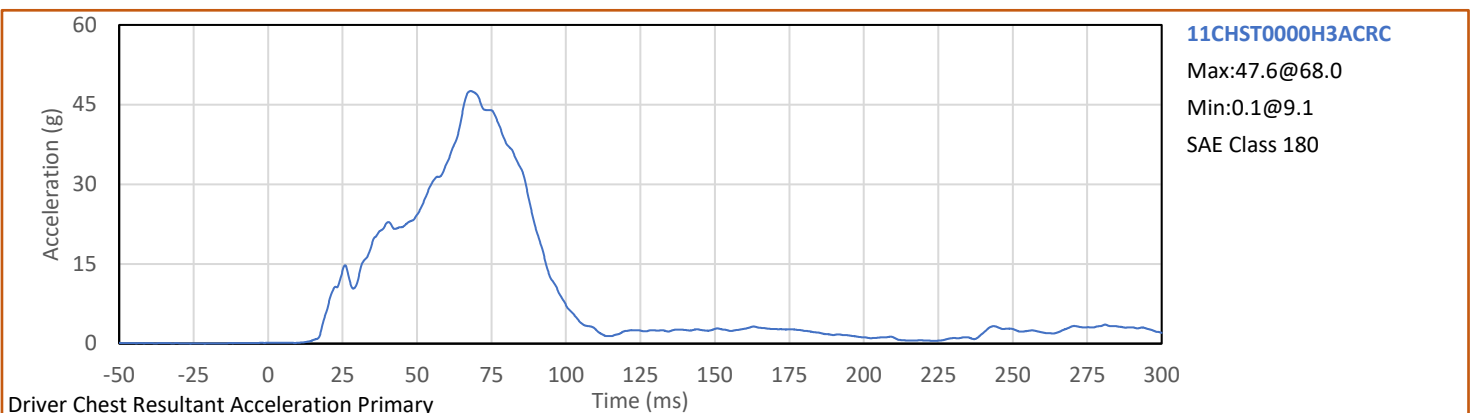
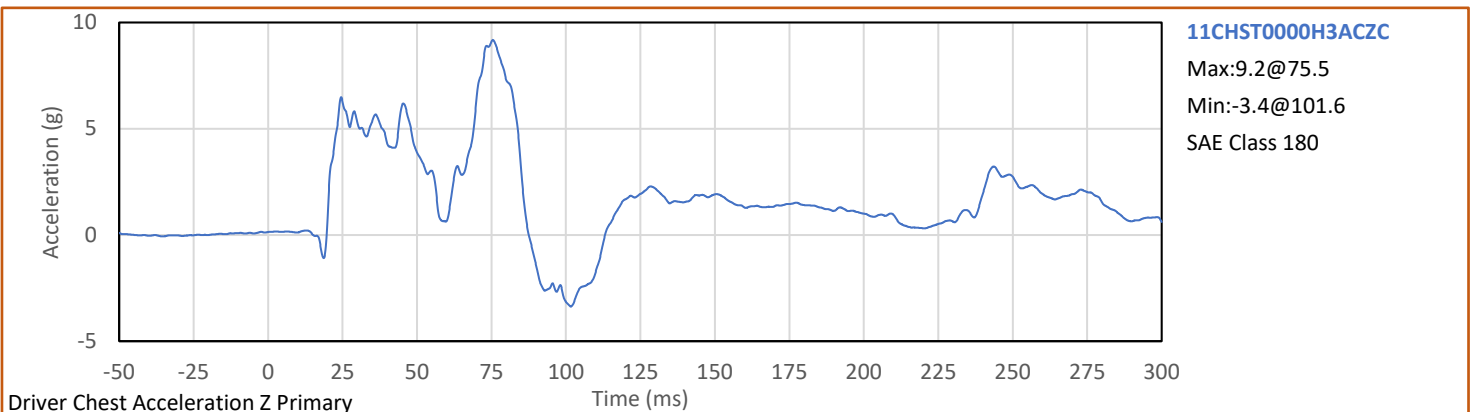
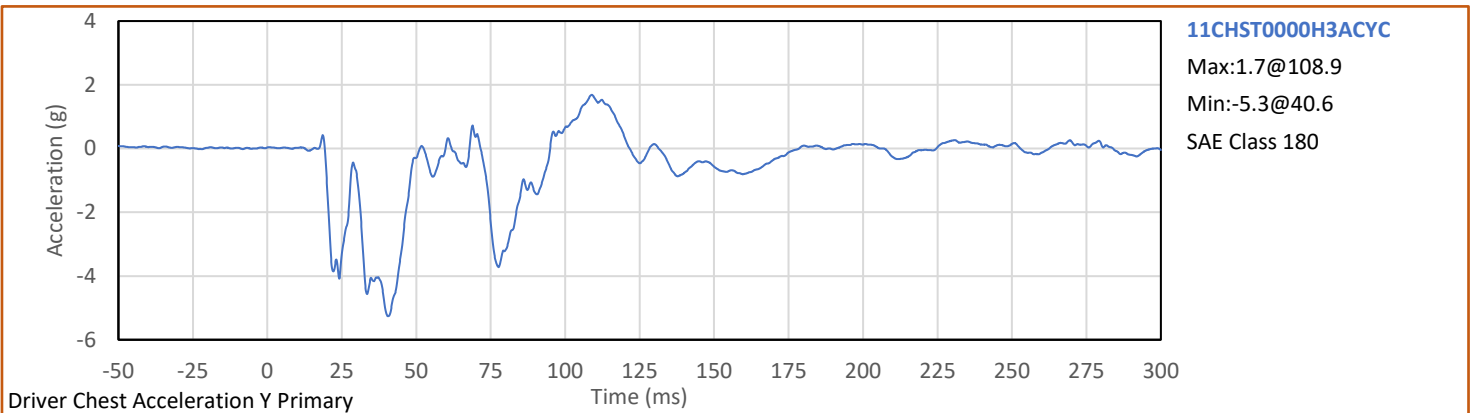
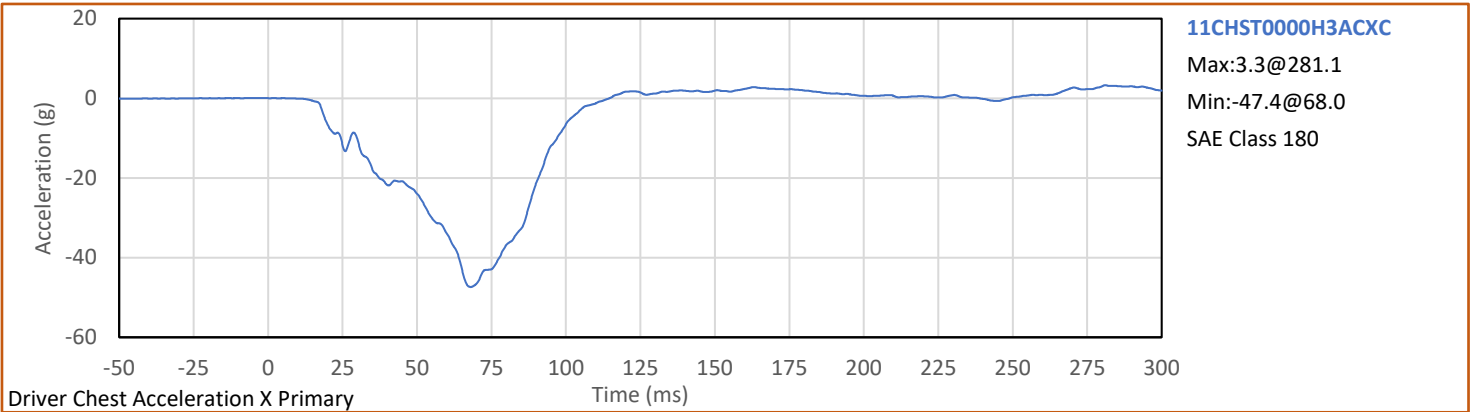


Test Vehicle: 2026 Subaru Crosstrek 5-Door MPV
Test Program: 56.3 km/h Frontal Impact NCAP Test

NHTSA No.: O20265500
Test Date: 12/11/2025

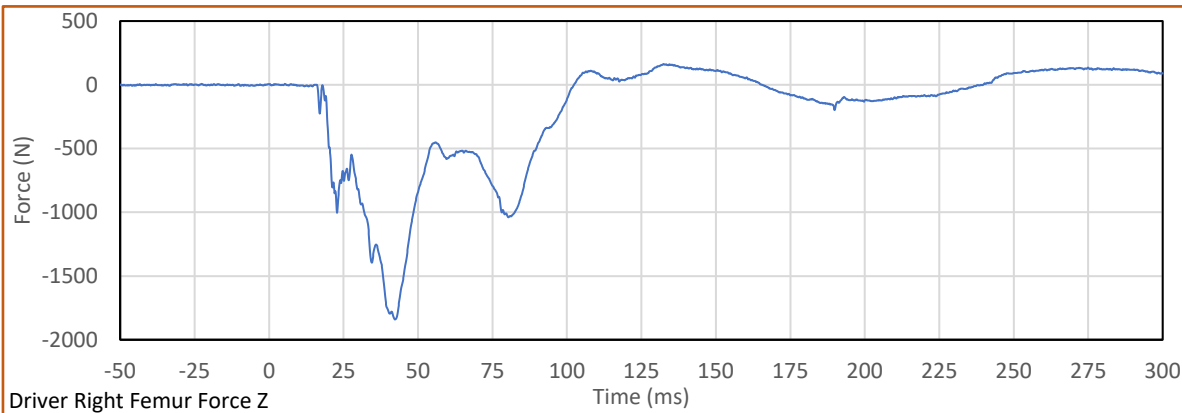
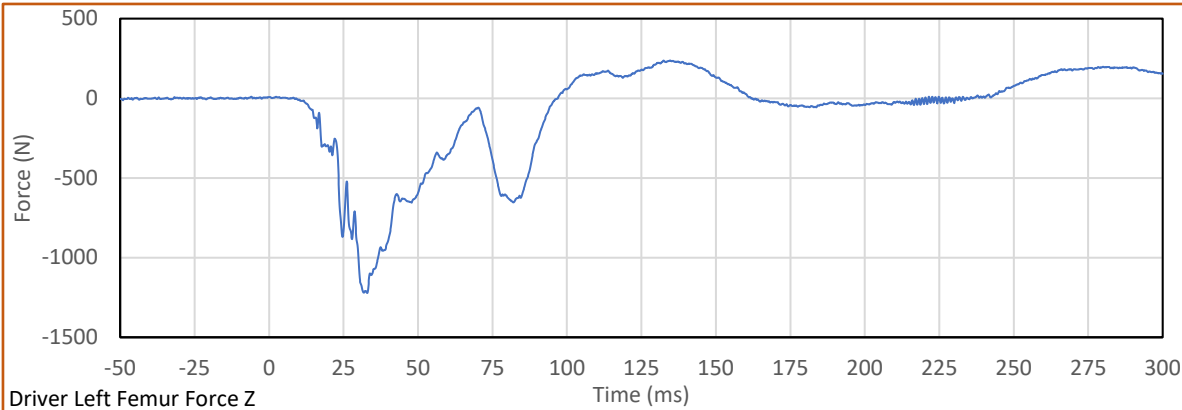


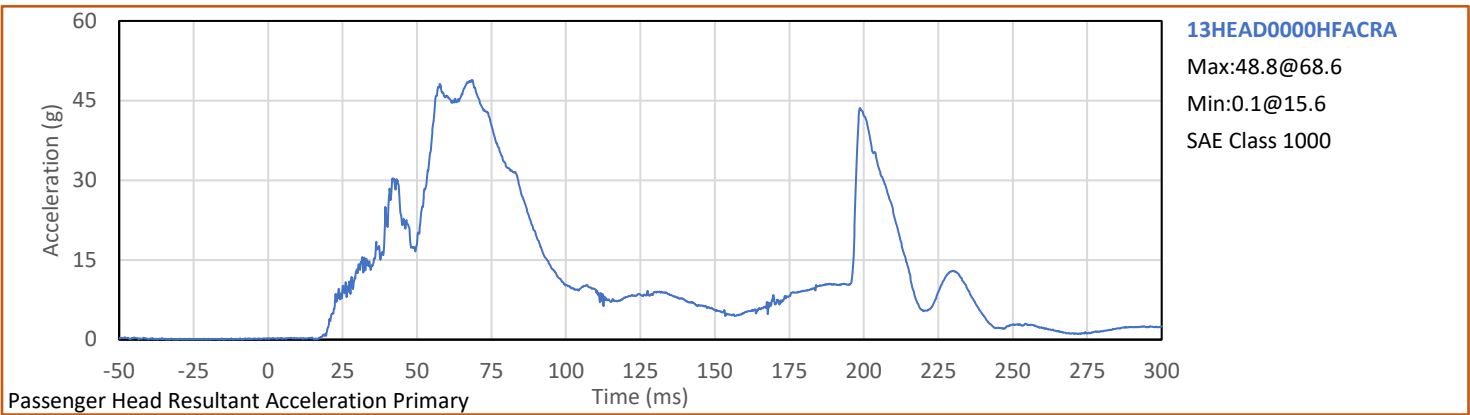
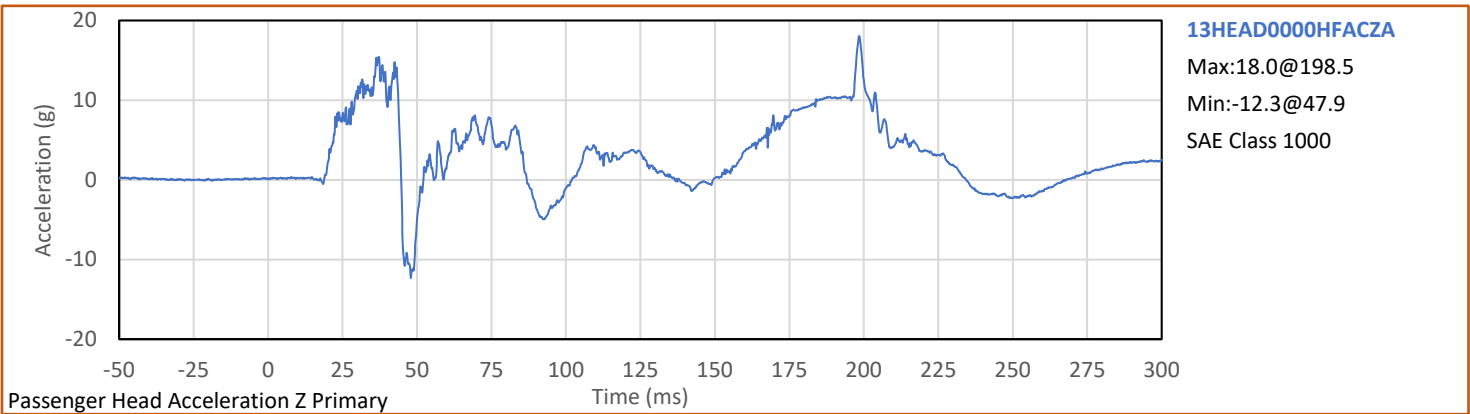
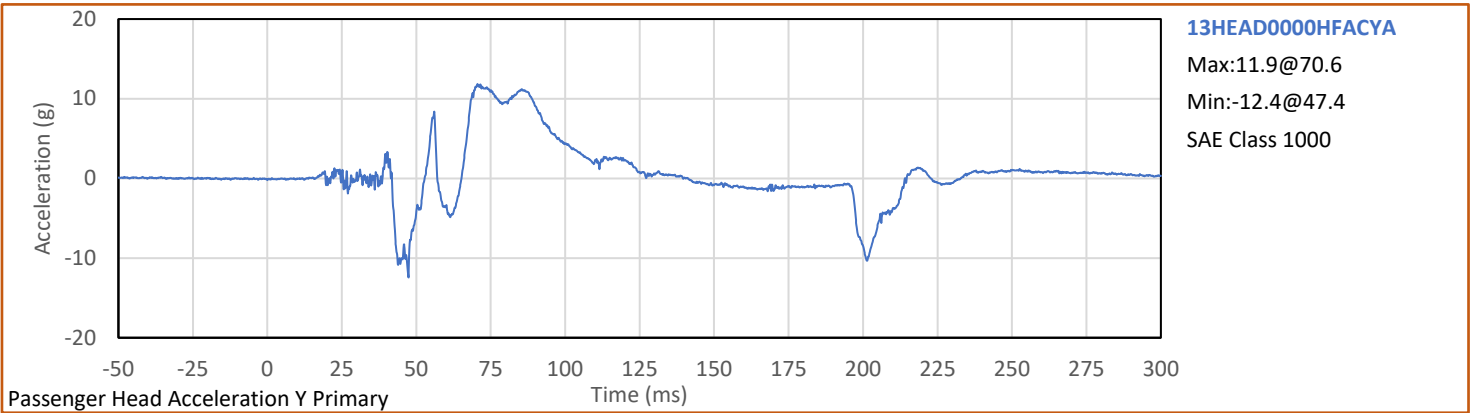
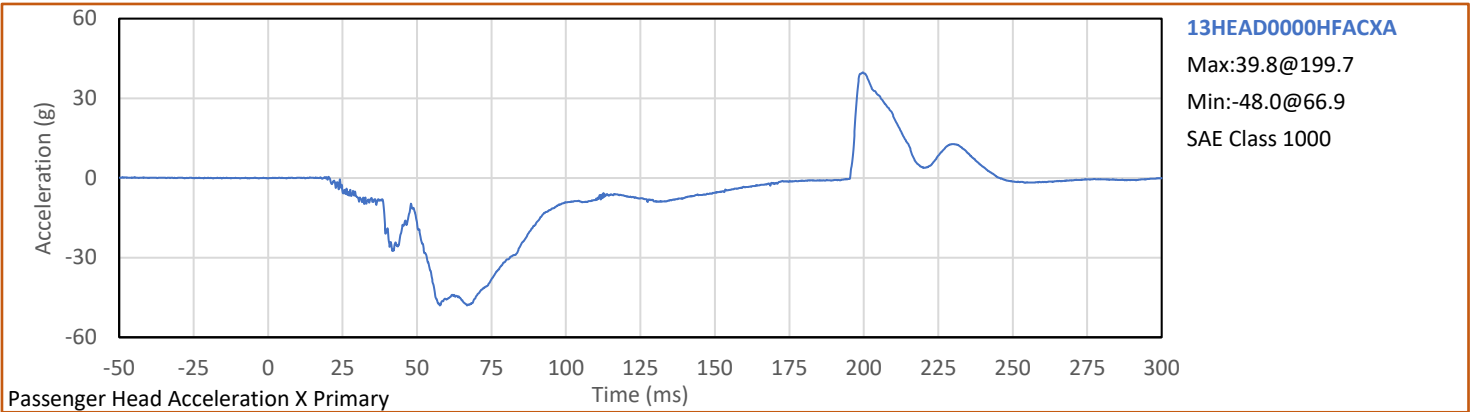




Test Vehicle: 2026 Subaru Crosstrek 5-Door MPV
Test Program: 56.3 km/h Frontal Impact NCAP Test

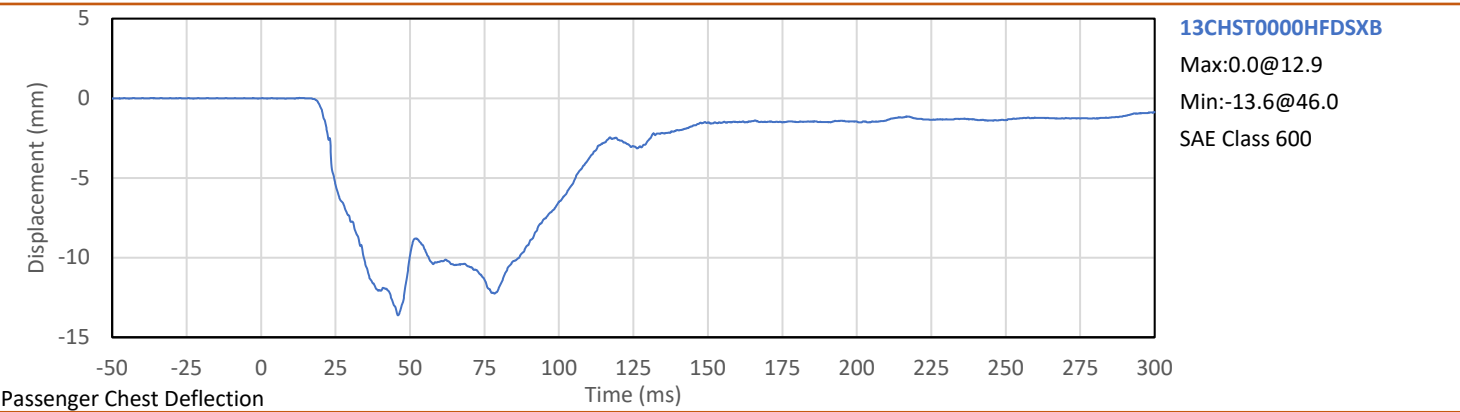
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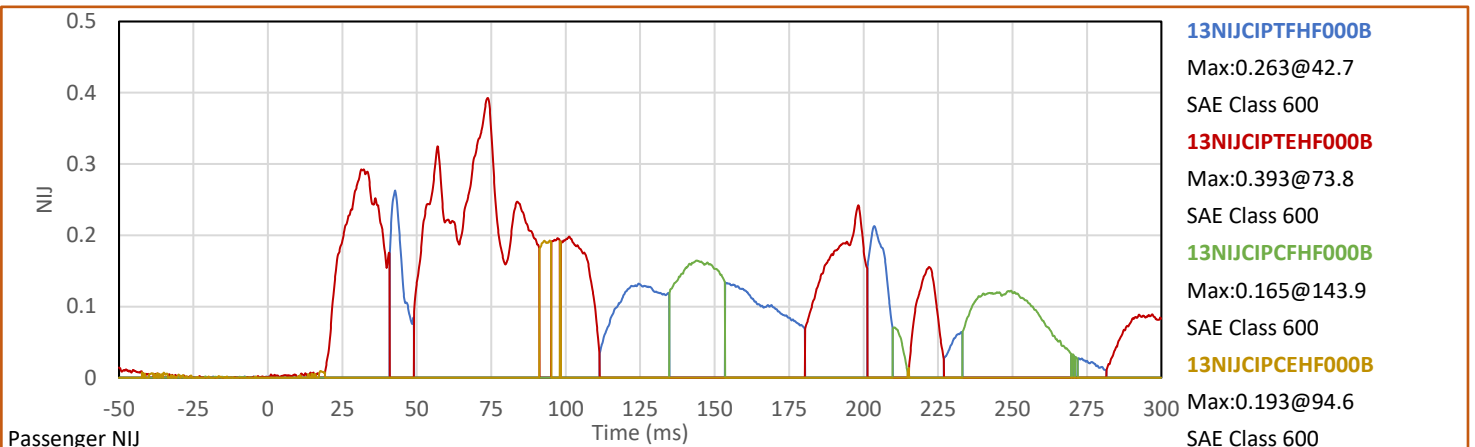
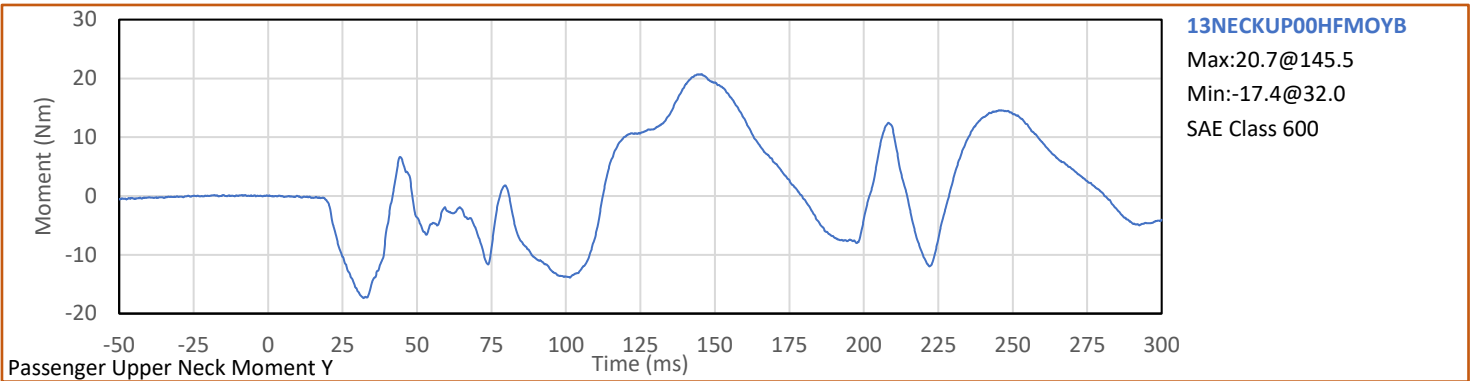
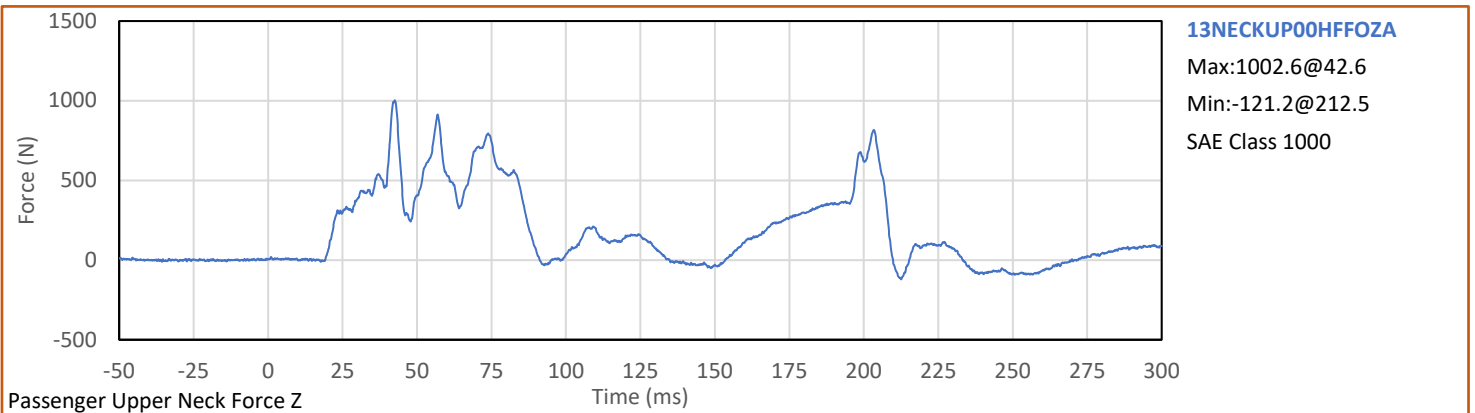
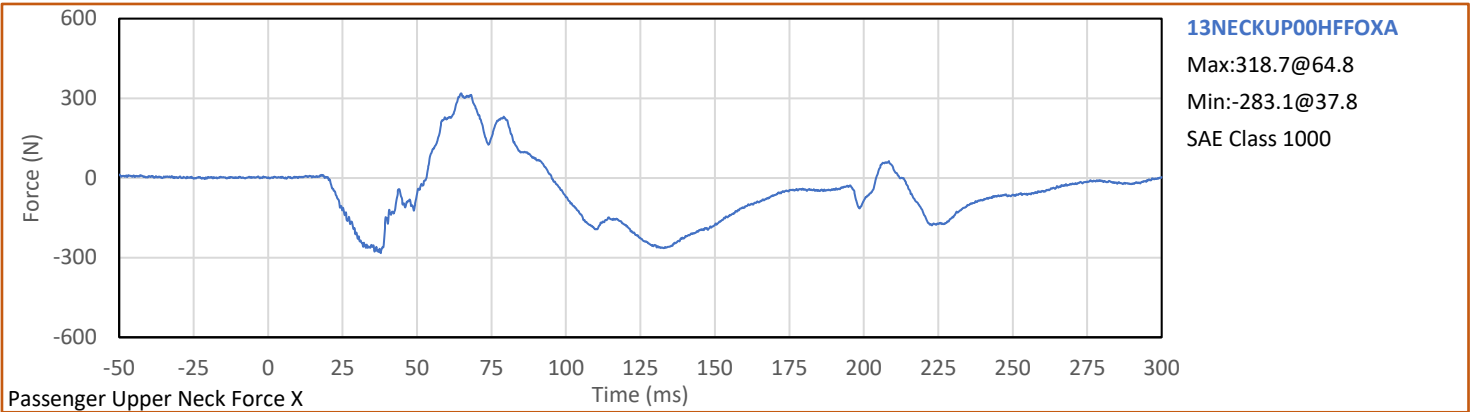


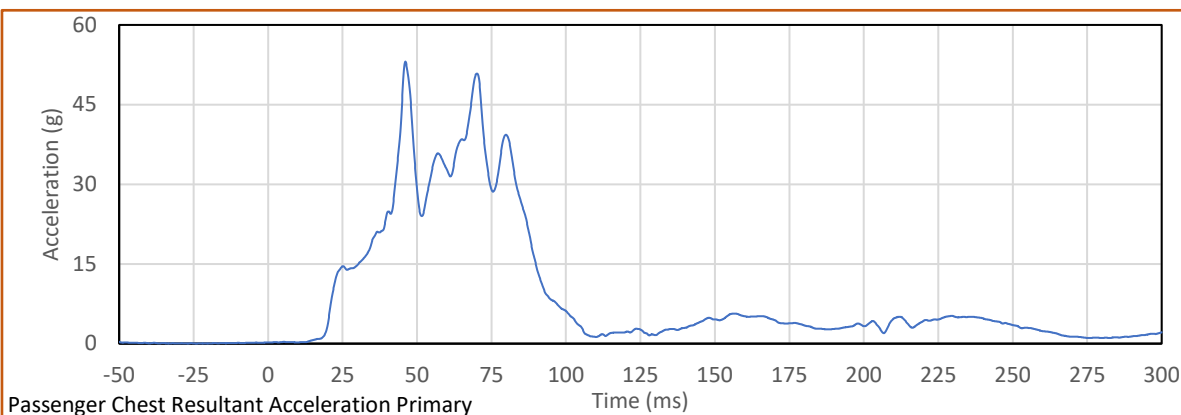
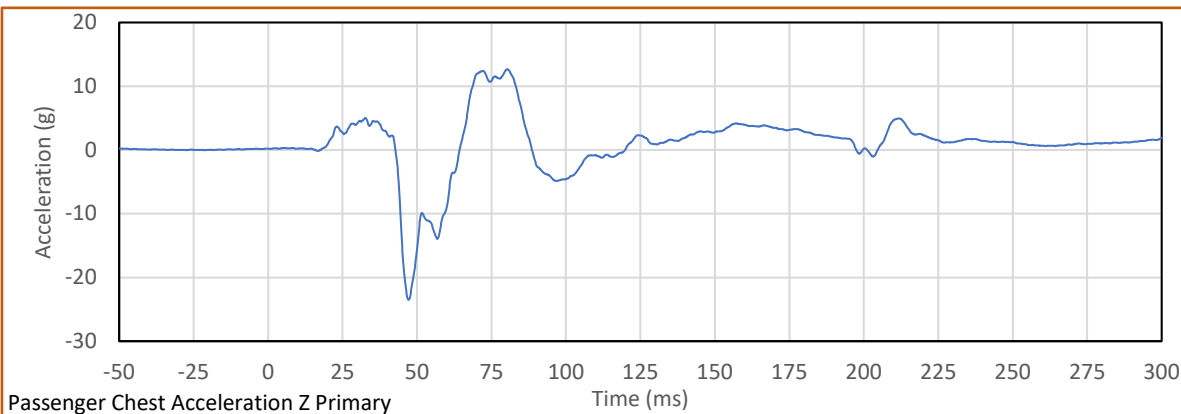
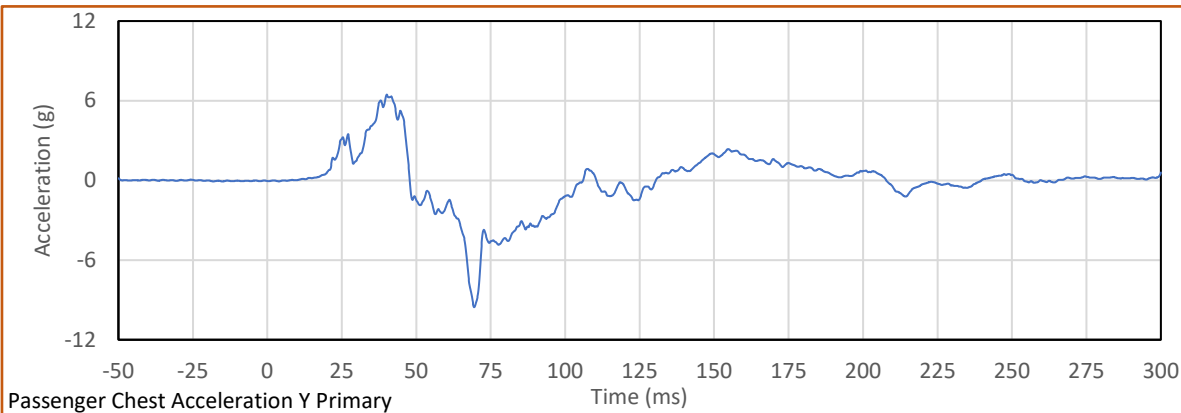
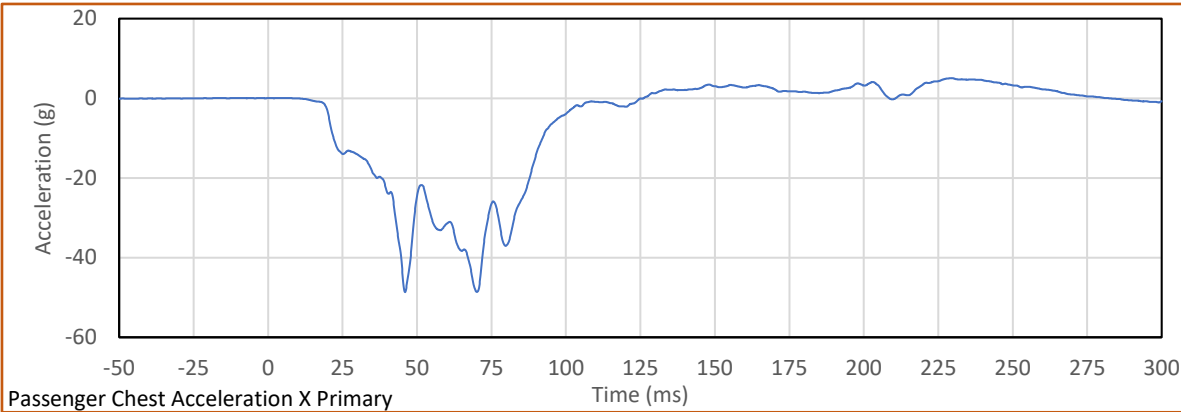


Test Vehicle: 2026 Subaru Crosstrek 5-Door MPV
Test Program: 56.3 km/h Frontal Impact NCAP Test

NHTSA No.: O20265500
Test Date: 12/11/2025

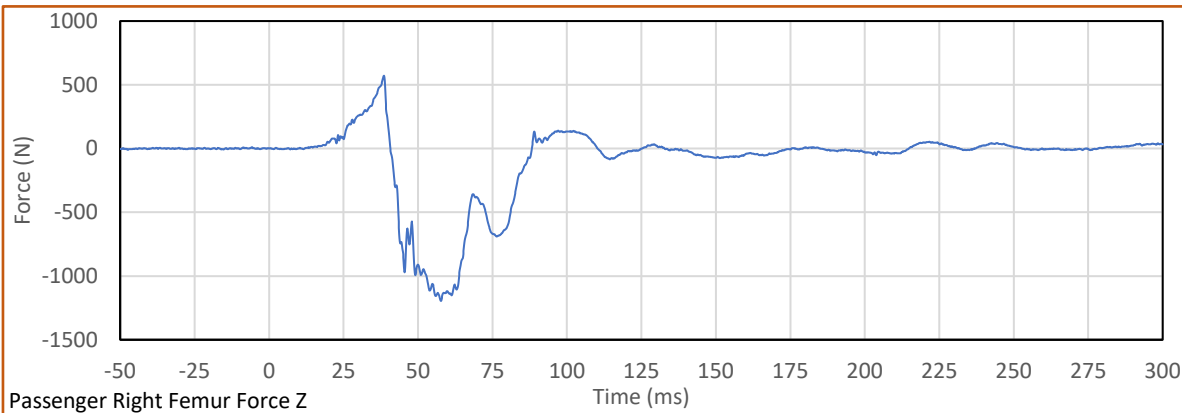
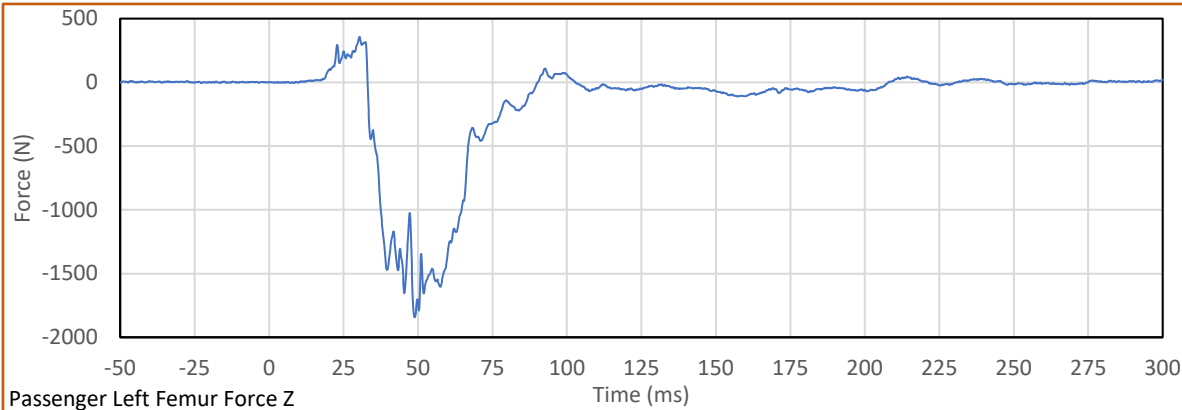






Test Vehicle: 2026 Subaru Crosstrek 5-Door MPV
Test Program: 56.3 km/h Frontal Impact NCAP Test

NHTSA No.: O20265500
Test Date: 12/11/2025



APPENDIX C
DUMMY QUALIFICATION AND PERFORMANCE VERIFICATION DATA

APPENDIX C

Pre-Test ATD Qualification and Performance Verification

Hybrid III 50th Percentile Male ATD

S/N: 360

ATD Serial No.: 360

Test Date: 2025-10-18

Dummy Item	Inspect for	Comments	Damage	OK
Entire ATD	Perform general cleaning			✓
Outer Skin	Gashes, rips, cracks			✓
Head	Ballast secure			✓
	General appearance			✓
Neck bracket	Upper neck firmly attached to lower bracket			✓
Neck	Broken or cracked rubber			✓
	Looseness at the condyle joint			✓
Nodding block	Cracked or out of position			✓
Lumbar Spine	Broken or cracked rubber			✓
Ribs	Broken or bent ribs			✓
	Broken or bent rib supports			✓
	Damping material separated or cracked			✓
	Rubber bumpers in place			✓
Chest Displ. Assembly	Bent shaft			✓
	Slider arm riding in track			✓
Sensors	Check cables for cuts, tears			✓
	Check for damaged insulation			✓
Accelerometer Mounting	Head mounting secure			✓
	Chest mounting secure			✓
Knees	Skin condition			✓
	Insert (do not remove)			✓
	Casting			✓
Limbs	Normal movement and adjustment			✓
Knee Sliders	Wires intact			✓
	Rubber returned to "resting" position			✓
Pelvis	Broken			✓
Other	Describe below as needed			✓

Describe any repairs or replacement of parts or other findings:

No Problems Found

Technician: A. Ponce

Approved By: J. Hernandez

ATD Serial No.: 360

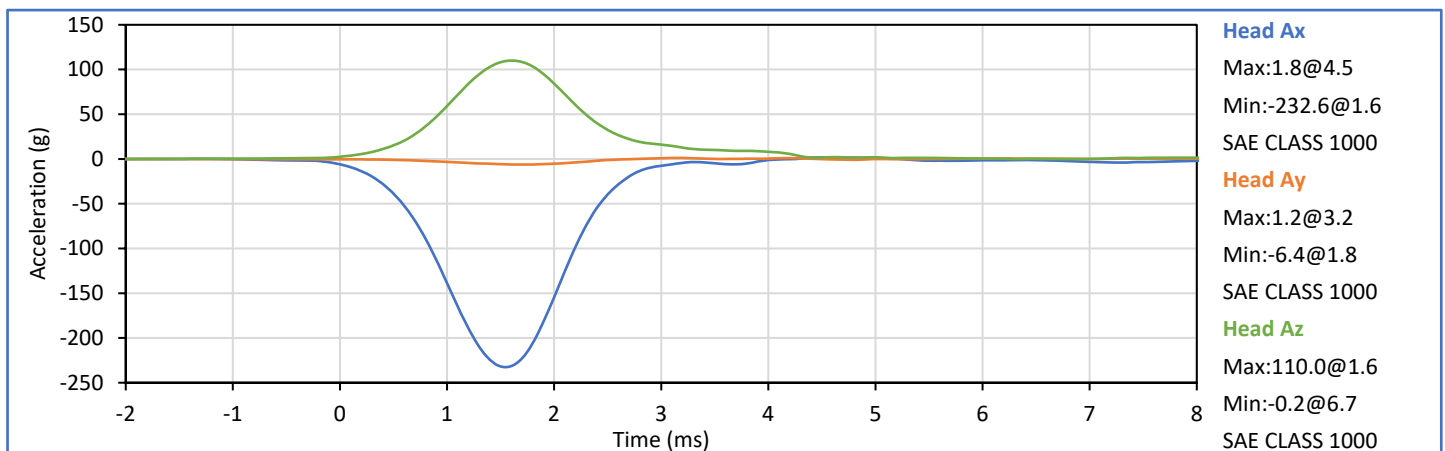
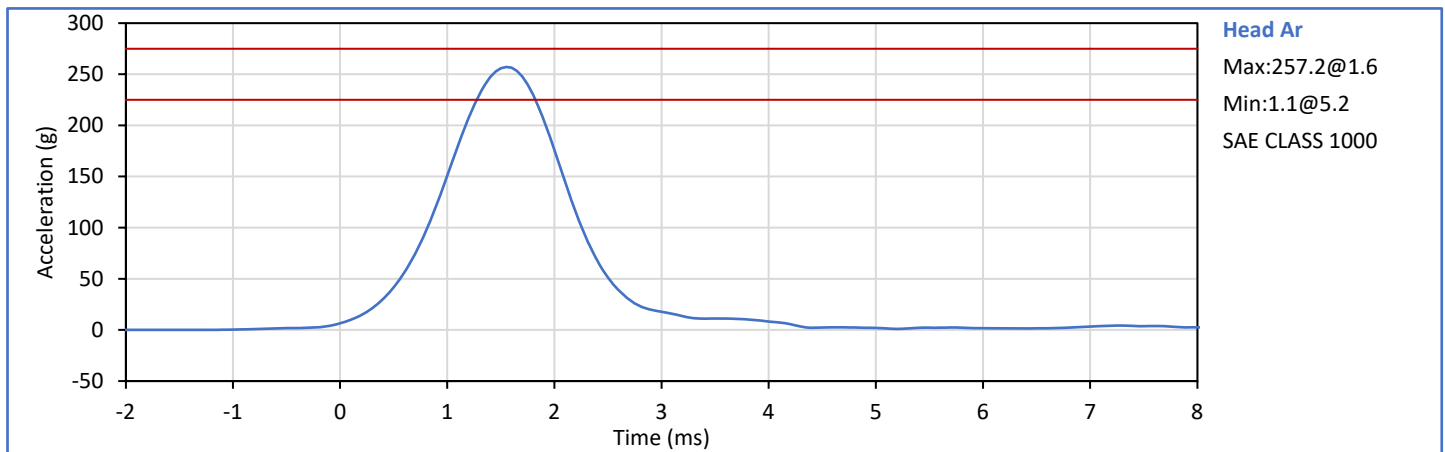
Test Date: 2025-10-18

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	31	Pass
A - Total sitting height	mm	879	889	884	Pass
B - Shoulder pivot height	mm	505	521	514	Pass
C - 'H' point height	mm	84	89	86	Pass
D - 'H' point location from backline	mm	135	140	138	Pass
E - Shoulder pivot from backline	mm	84	94	87	Pass
F - Thigh clearance	mm	140	155	148	Pass
G - Back of elbow to wrist pivot	mm	290	305	298	Pass
H - Head back to backline	mm	41	46	45	Pass
I - Shoulder to elbow length	mm	330	345	340	Pass
J - Elbow rest height	mm	190	211	196	Pass
K - Buttock to knee length	mm	579	604	593	Pass
L - Popliteal length	mm	429	455	450	Pass
M - Knee pivot height	mm	485	500	494	Pass
N - Buttock popliteal length	mm	452	477	463	Pass
O - Chest depth without jacket	mm	213	229	222	Pass
P - Foot length	mm	251	267	256	Pass
V - Shoulder breadth	mm	422	437	431	Pass
W - Foot breadth	mm	91	107	100	Pass
Y - Chest circum. (w/chest jacket)	mm	970	1001	980	Pass
Z - Waist circum.	mm	836	866	857	Pass
AA - Location for chest circum.	mm	429	434	431	Pass
BB - Location for waist circum.	mm	226	231	230	Pass
			Overall Test Results		Pass

Technician: A. Ponce

Approved By: J. Hernandez

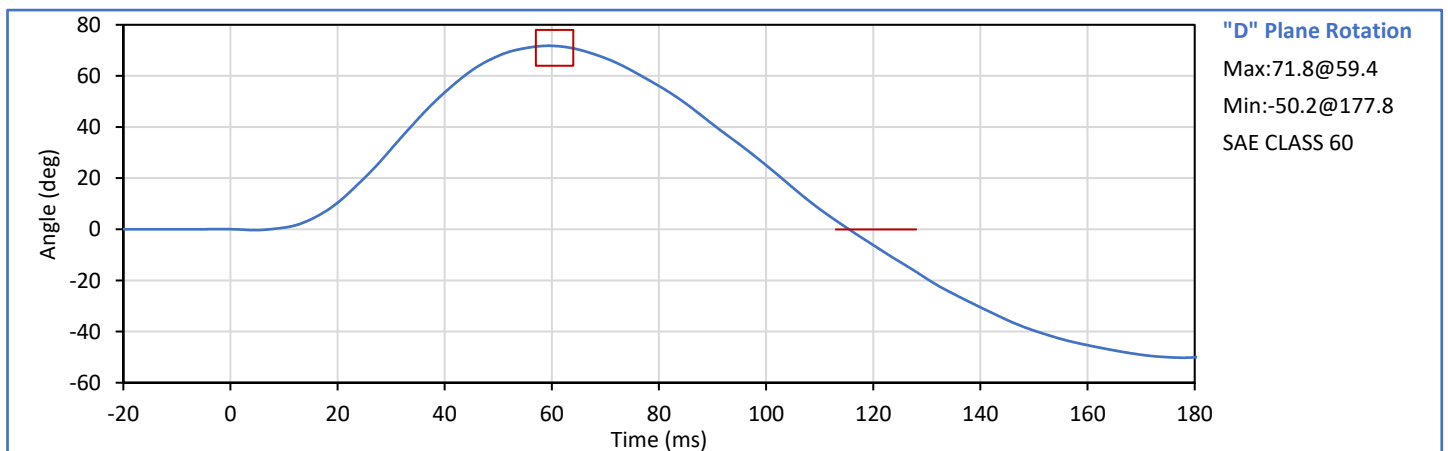
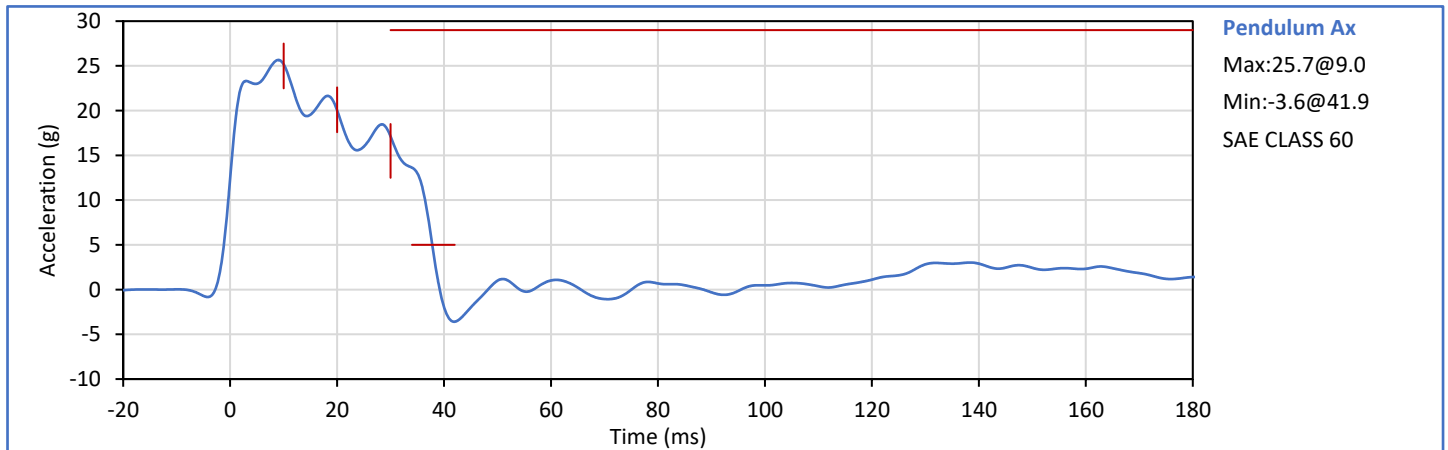
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.6	Pass
Laboratory Relative Humidity	%	10	70	31	Pass
Peak Resultant Acceleration	g	225.0	275.0	257.2	Pass
Peak Lateral Acceleration	g	-15.0	15.0	-6.4	Pass
Oscillations After Main Pulse	%	0.0	10.0	0.0	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
			Overall Test Results	Pass	



Technician: A. Ponce

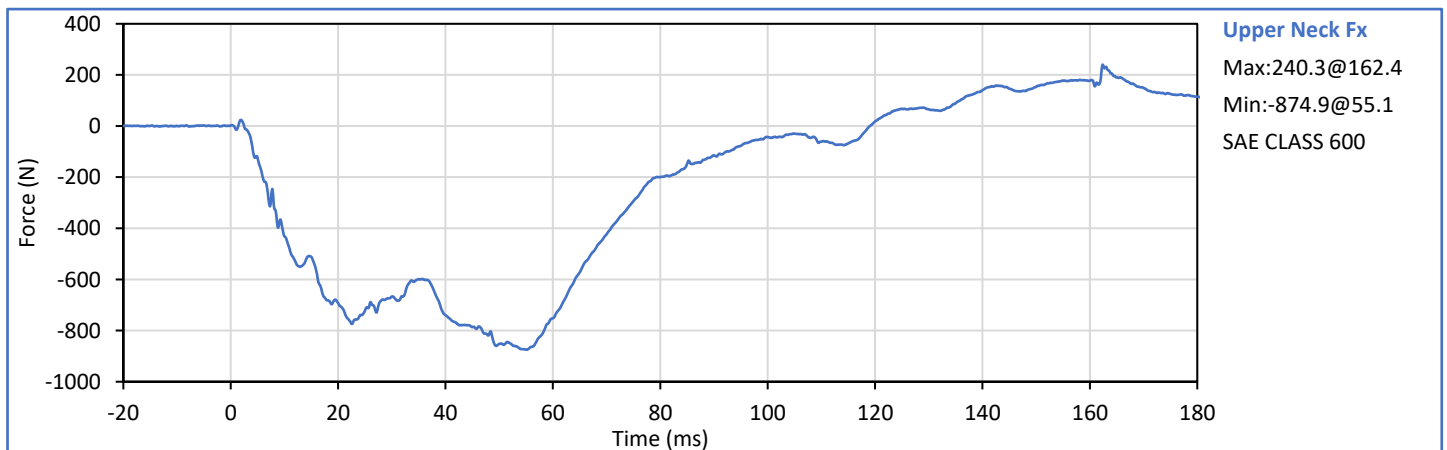
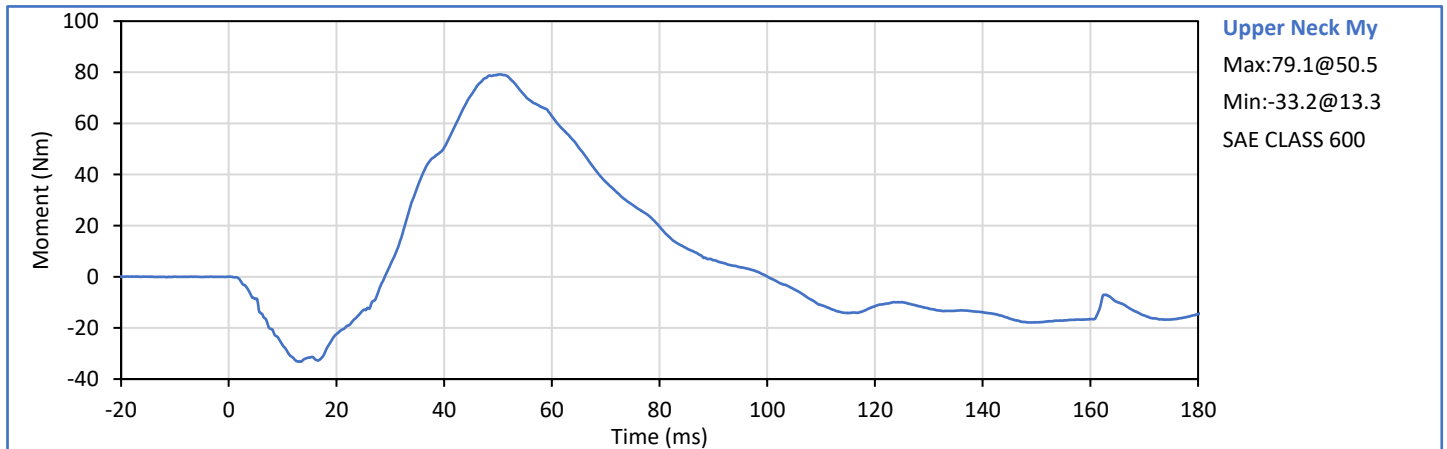
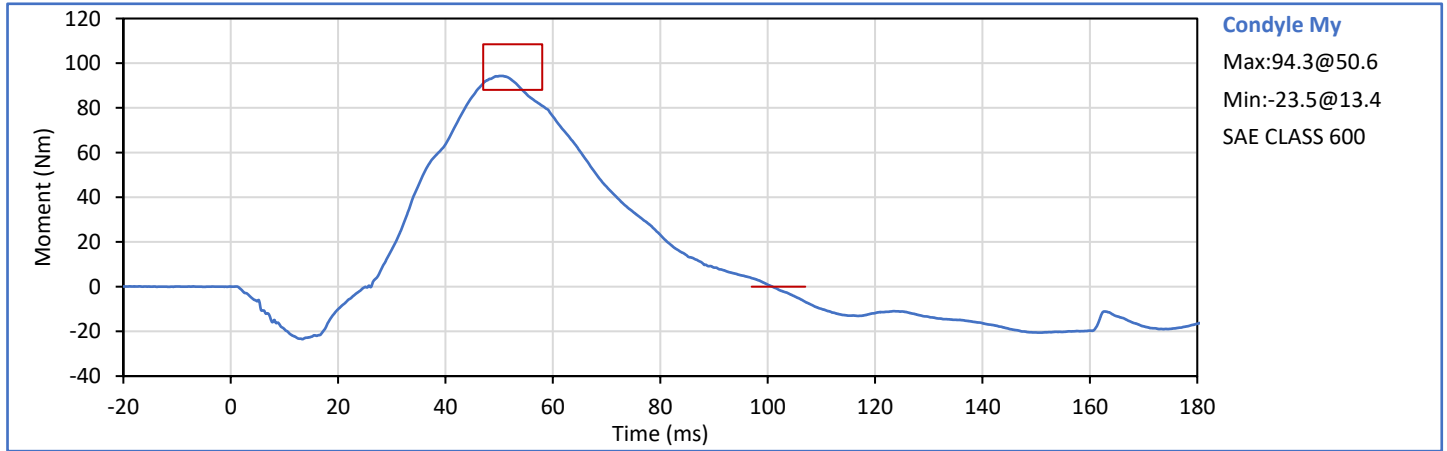
Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.1	Pass
Laboratory Relative Humidity	%	10	70	29	Pass
Pendulum Velocity	m/s	6.89	7.13	7.00	Pass
Pendulum Deceleration at 10 ms	g	22.5	27.5	25.2	Pass
Pendulum Deceleration at 20 ms	g	17.6	22.6	20.0	Pass
Pendulum Deceleration at 30 ms	g	12.5	18.5	17.1	Pass
Peak Pendulum Decel After 30 ms	g	0.0	29.0	17.1	Pass
Deceleration Decay to Cross 5g	ms	34.0	42.0	37.8	Pass
"D" Plane Rotation peak	deg	64.0	78.0	71.8	Pass
	ms	57.0	64.0	59.4	Pass
"D" Plane Rotation Decay to Zero	ms	113.0	128.0	115.7	Pass
Moment About Occipital Condyle	Nm	88.1	108.5	94.3	Pass
	ms	47.0	58.0	50.6	Pass
Moment Decay, Peak to Zero	ms	97.0	107.0	100.9	Pass
Overall Test Results				Pass	

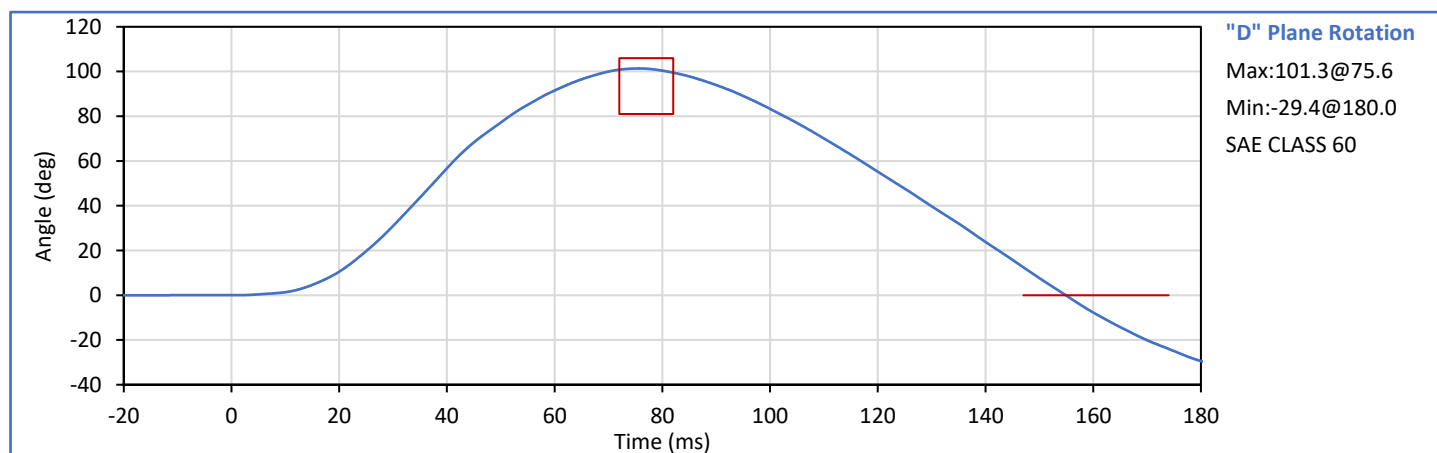
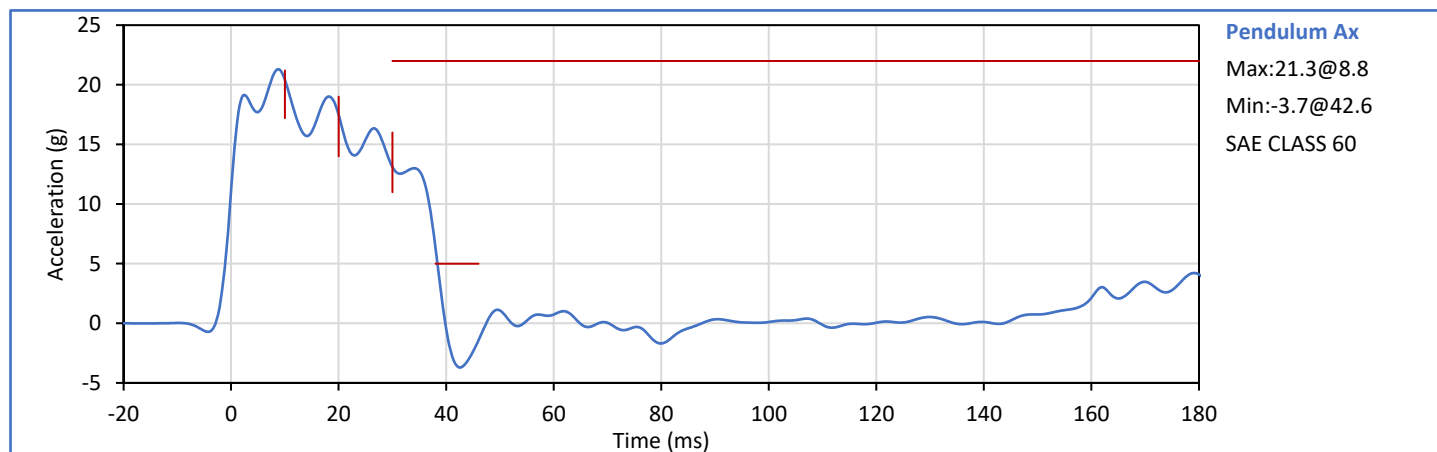


Technician: A. Ponce

Approved By: J. Hernandez

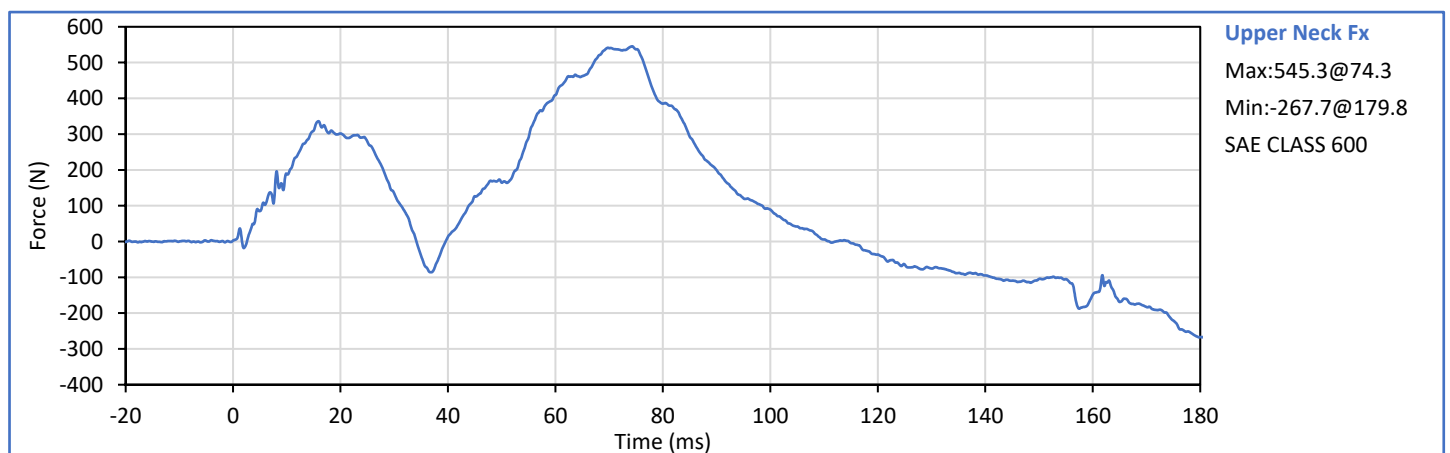
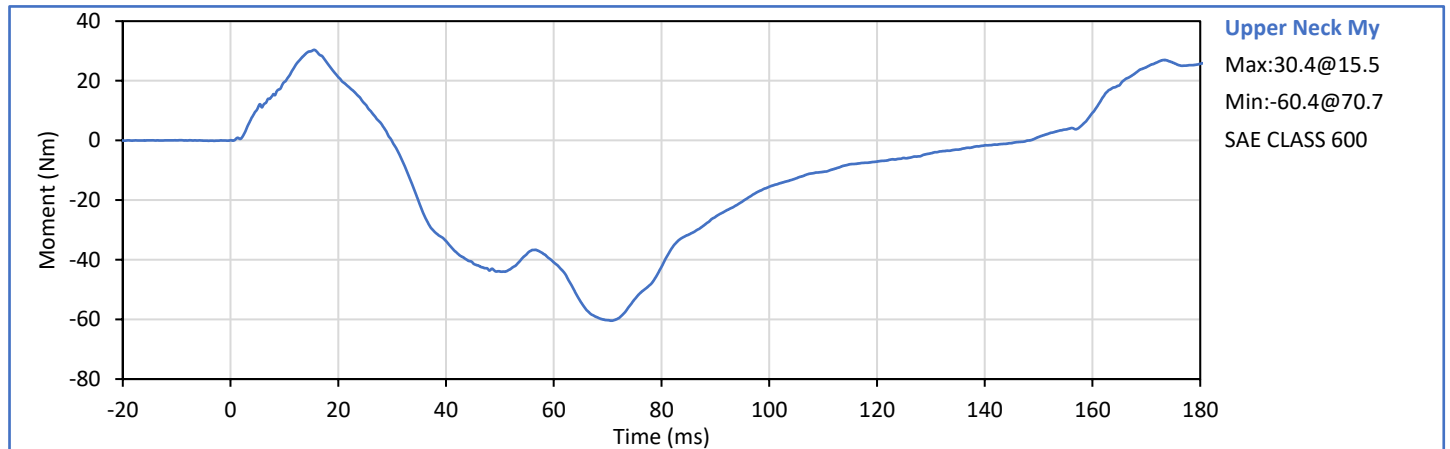
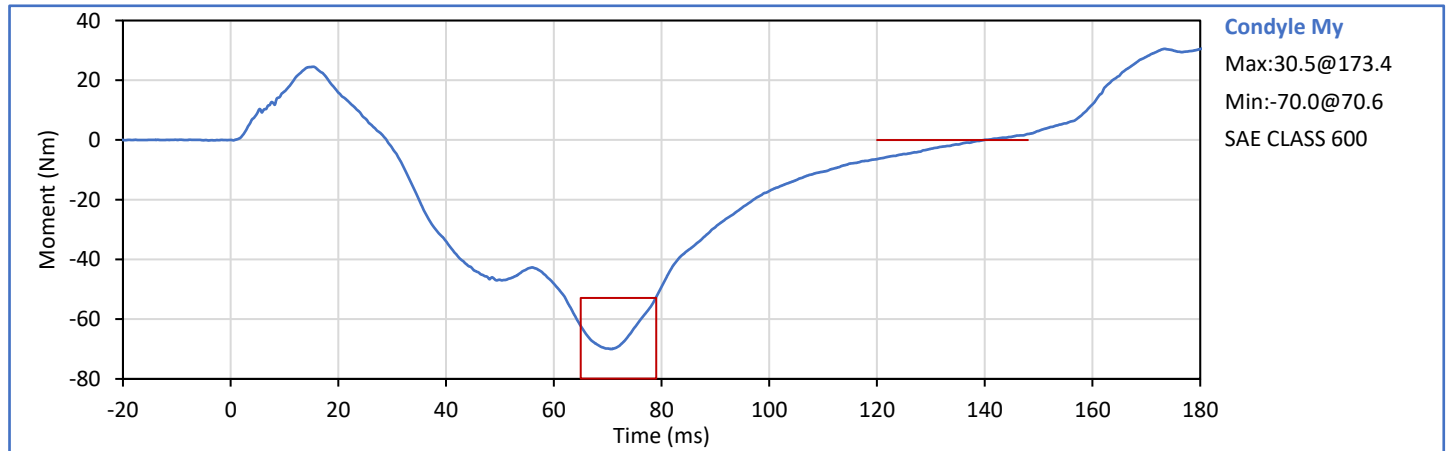


Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.1	Pass
Laboratory Relative Humidity	%	10	70	31	Pass
Pendulum Velocity	m/s	5.94	6.19	6.12	Pass
Pendulum Deceleration at 10 ms	g	17.2	21.2	20.4	Pass
Pendulum Deceleration at 20 ms	g	14.0	19.0	17.5	Pass
Pendulum Deceleration at 30 ms	g	11.0	16.0	13.1	Pass
Peak Pendulum Decel After 30 ms	g	0.0	22.0	13.1	Pass
Deceleration Decay to Cross 5g	ms	38.0	46.0	38.4	Pass
"D" Plane Rotation peak	deg	81.0	106.0	101.3	Pass
	ms	72.0	82.0	75.6	Pass
"D" Plane Rotation Decay to Zero	ms	147.0	174.0	155.3	Pass
Moment About Occipital Condyle	Nm	-79.9	-52.9	-70.0	Pass
	ms	65.0	79.0	70.6	Pass
Moment Decay, Peak to Zero	ms	120.0	148.0	140.0	Pass
Overall Test Results				Pass	

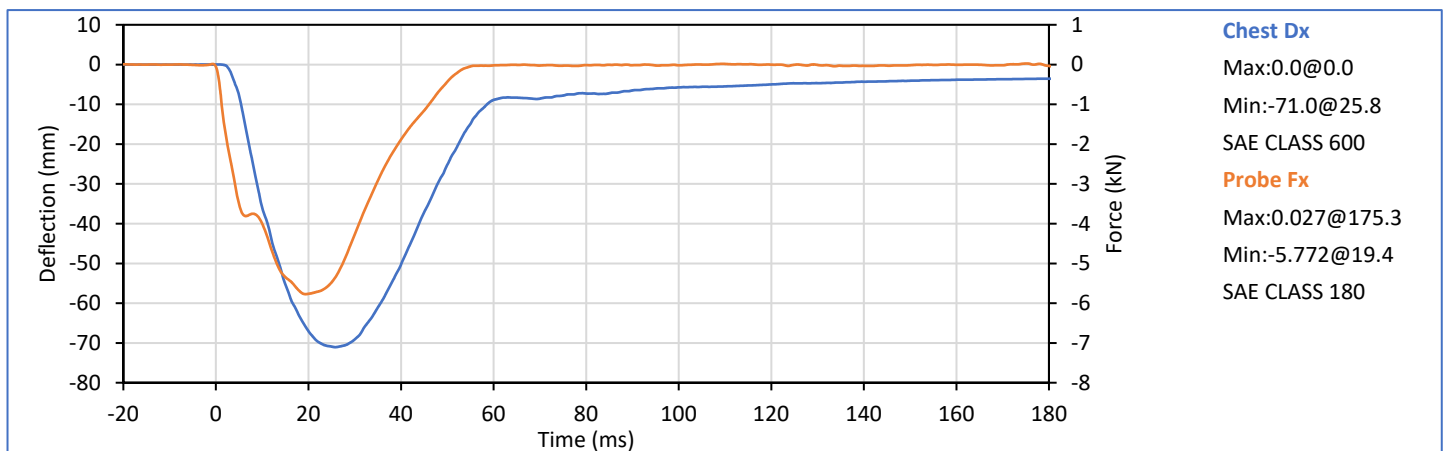
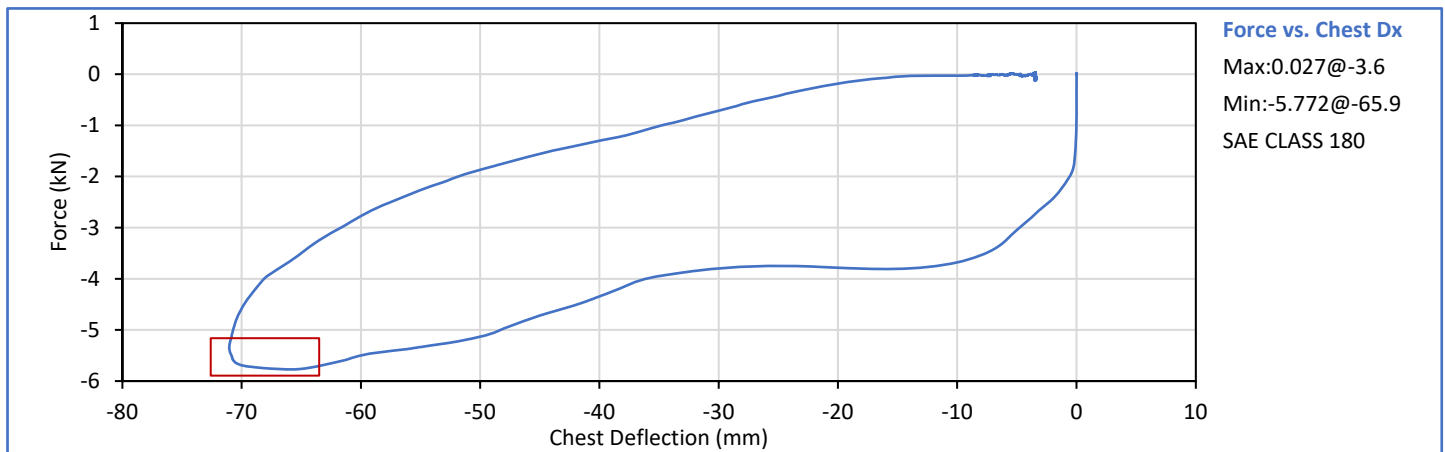


Technician: A. Ponce

Approved By: J. Hernandez



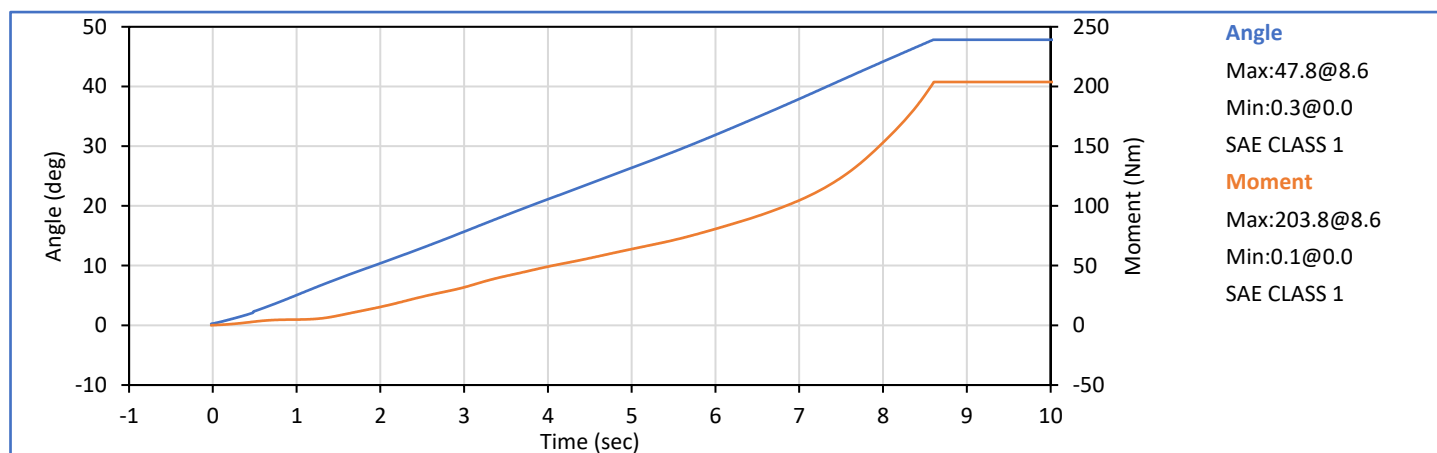
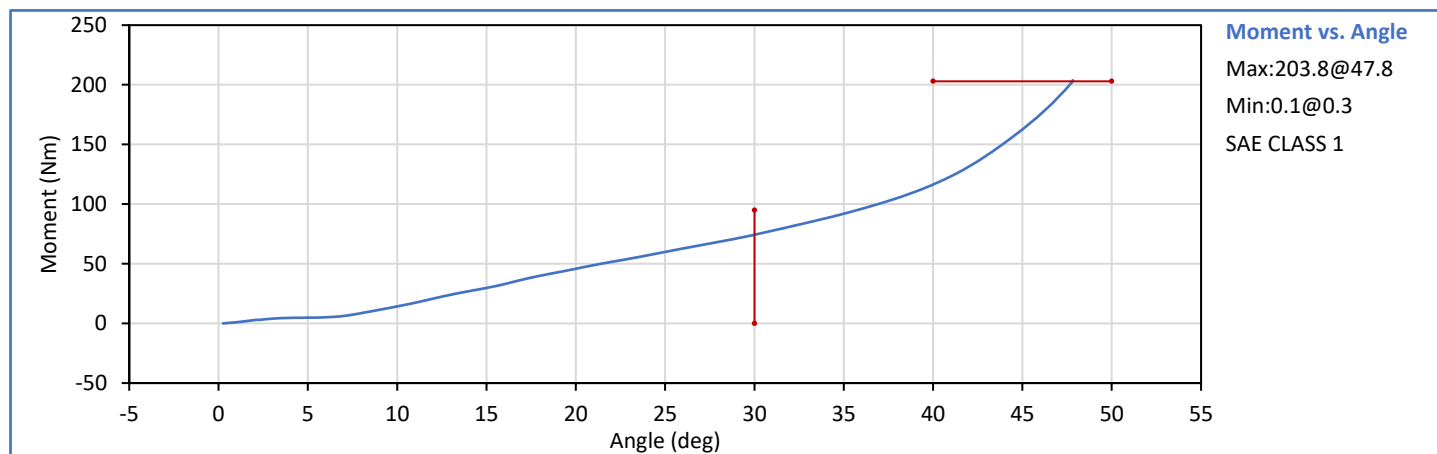
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Relative Humidity	%	10	70	29	Pass
Probe Velocity	m/s	6.58	6.82	6.70	Pass
Peak Chest Deflection	mm	-72.6	-63.5	-71.0	Pass
Peak Probe Force	kN	-5.893	-5.159	-5.772	Pass
Internal Hysteresis	%	69.0	85.0	69.5	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

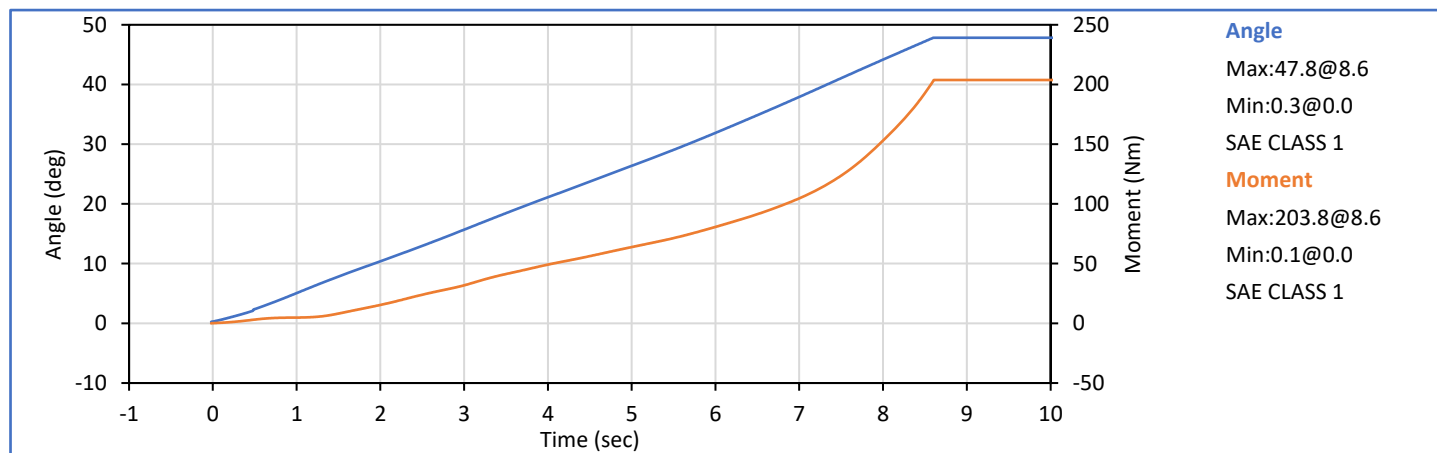
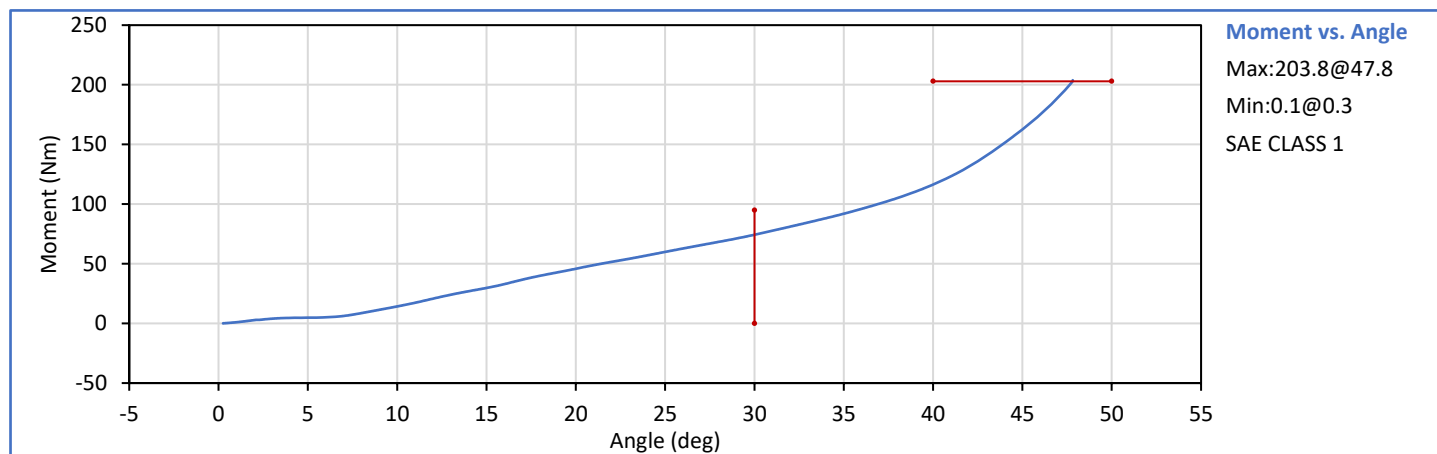
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.1	Pass
Laboratory Relative Humidity	%	10	70	29	Pass
Left Hip Rotation Rate	deg/s	5.0	10.0	5.5	Pass
Left Femur Torque at 30°	Nm	0.0	95.0	74.2	Pass
Left Hip Rotation at 203 Nm	deg	40.0	50.0	47.8	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

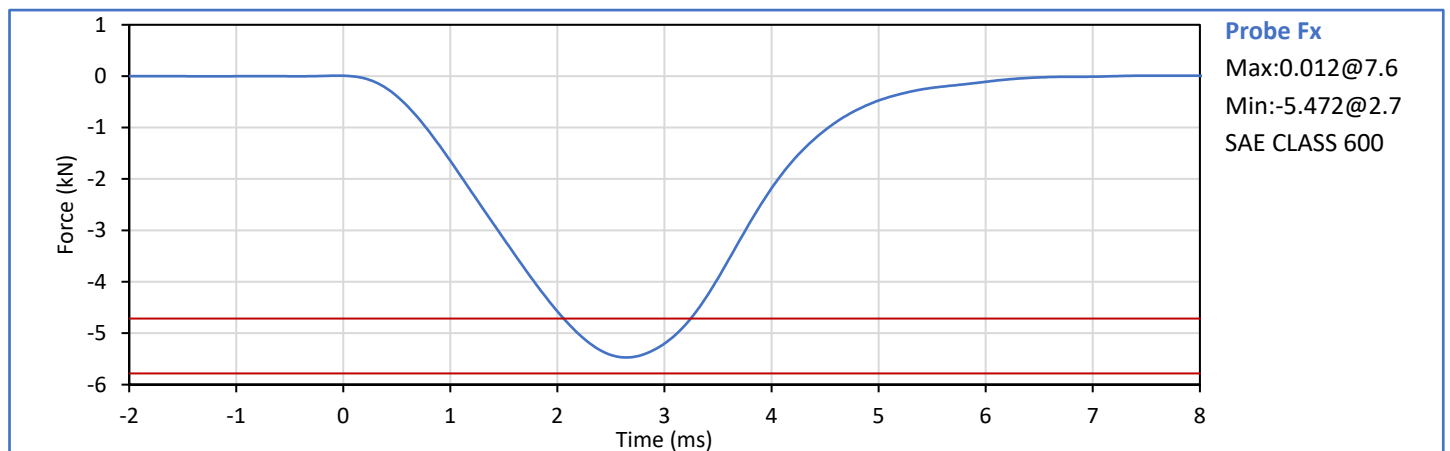
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.3	Pass
Laboratory Relative Humidity	%	10	70	29	Pass
Right Hip Rotation Rate	deg/s	5.0	10.0	5.5	Pass
Right Femur Torque at 30°	Nm	0.0	95.0	74.2	Pass
Right Hip Rotation at 203 Nm	deg	40.0	50.0	47.8	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

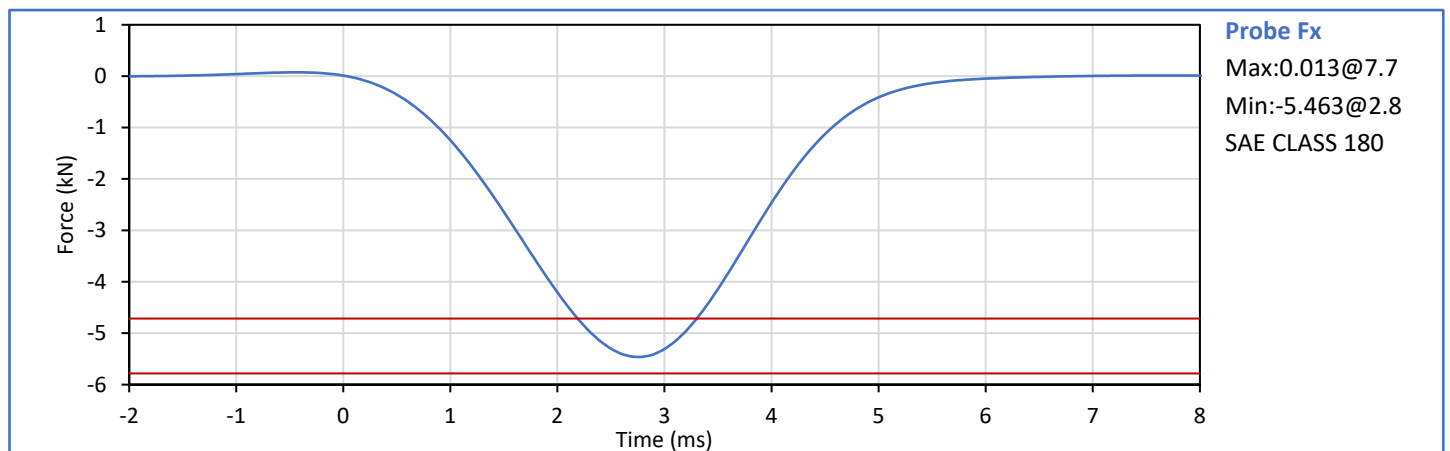
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.1	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Probe Velocity	m/s	2.070	2.130	2.104	Pass
Peak Resistive Force	kN	-5.782	-4.715	-5.472	Pass
Overall Test Results					Pass



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	30	Pass
Probe Velocity	m/s	2.070	2.130	2.101	Pass
Peak Resistive Force	kN	-5.782	-4.715	-5.463	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

ATD Serial No.: DH1644

Test Date: 2025-10-17

Dummy Item	Inspect for	Comments	Damage	Okay
Entire ATD	Perform general cleaning			✓
Outer Skin	Gashes, rips, cracks			✓
Head	Ballast secure			✓
	General appearance			✓
Neck bracket	Upper neck firmly attached to lower bracket			✓
Neck	Broken or cracked rubber			✓
	Looseness at the condyle joint			✓
Nodding block	Cracked or out of position			✓
Lumbar Spine	Broken or cracked rubber			✓
Ribs	Broken or bent ribs			✓
	Broken or bent rib supports			✓
	Damping material separated or cracked			✓
	Rubber bumpers in place			✓
Chest Displ. Assembly	Bent shaft			✓
	Slider arm riding in track			✓
Sensors	Check cables for cuts, tears			✓
	Check for damaged insulation			✓
Accelerometer Mounting	Head mounting secure			✓
	Chest mounting secure			✓
Knees	Skin condition			✓
	Insert (do not remove)			✓
	Casting			✓
Limbs	Normal movement and adjustment			✓
Knee Sliders	Wires intact			✓
	Rubber returned to "resting" position			✓
Pelvis	Broken			✓
Other	Describe below as needed			✓

Describe any repairs or replacement of parts or other findings:

No Problems Found

Technician: A. Ponce

Approved By: J. Hernandez

APPENDIX C
Pre-Test ATD Qualification and Performance Verification
Hybrid III 5th Percentile Female ATD
S/N: DH1644

ATD Serial No.: DH1644

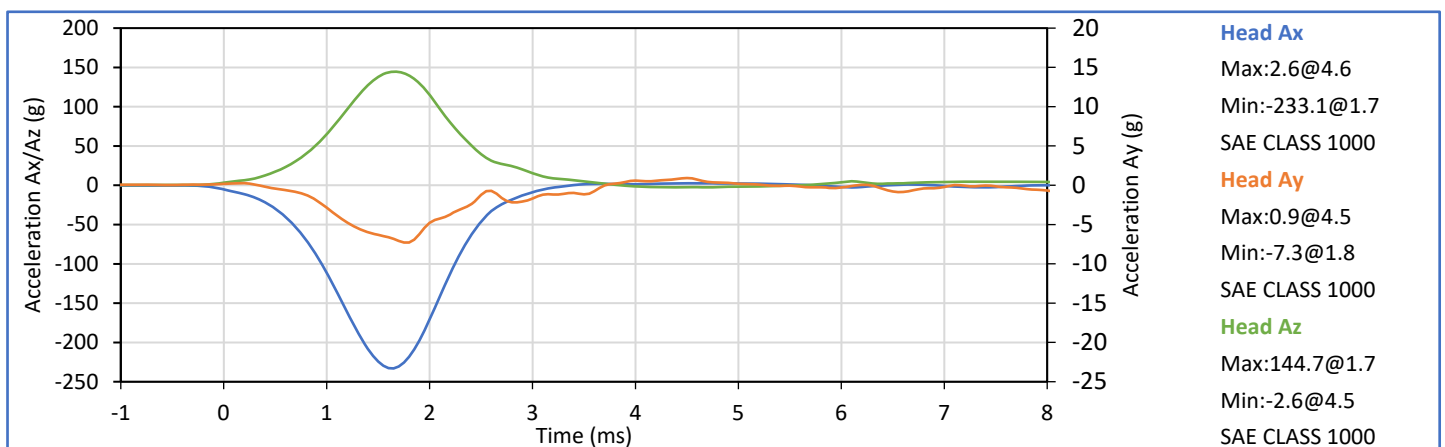
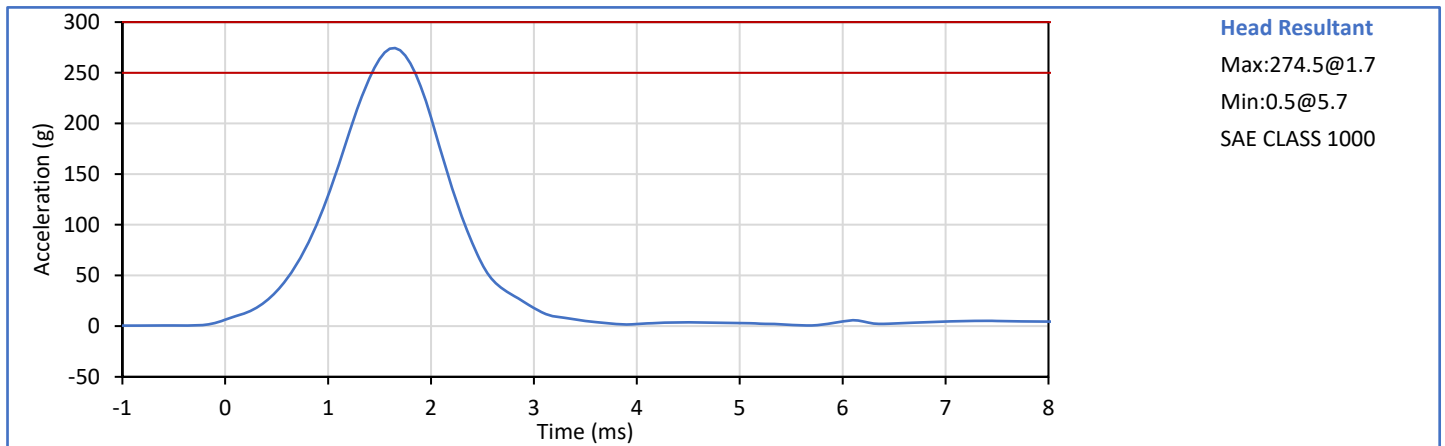
Test Date: 2025-10-17

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
A - Total sitting height	mm	775	800	787	Pass
B - Shoulder pivot height	mm	432	457	437	Pass
C - 'H' point height	mm	81	86	85	Pass
D - 'H' point location from backline	mm	145	150	146	Pass
E - Shoulder pivot from backline	mm	69	84	76	Pass
F - Thigh clearance	mm	119	135	129	Pass
G - Back of elbow to wrist pivot	mm	244	259	249	Pass
H - Head back to backline	mm	41	46	43	Pass
I - Shoulder to elbow length	mm	277	297	285	Pass
J - Elbow rest height	mm	183	203	198	Pass
K - Buttock to knee length	mm	521	546	530	Pass
L - Popliteal length	mm	356	376	366	Pass
M - Knee pivot height	mm	394	419	409	Pass
N - Buttock popliteal length	mm	414	439	420	Pass
O - Chest depth without jacket	mm	175	191	188	Pass
P - Foot length	mm	219	234	226	Pass
R - Buttock to Knee Pivot Length	mm	457	483	474	Pass
S - Head Breadth	mm	137	147	141	Pass
T - Head Depth	mm	178	188	183	Pass
U - Hip Breadth	mm	300	315	311	Pass
V - Shoulder breadth	mm	351	366	357	Pass
W - Foot breadth	mm	79	94	82	Pass
X - Head circum.	mm	528	549	538	Pass
Y - Chest circum. (w/chest jacket)	mm	851	881	873	Pass
Z - Waist circum.	mm	760	790	780	Pass
AA - Location for chest circum.	mm	333	358	350	Pass
BB - Location for waist circum.	mm	160	170	167	Pass
			Overall Test Results		Pass

Technician: A. Ponce

Approved By: J. Hernandez

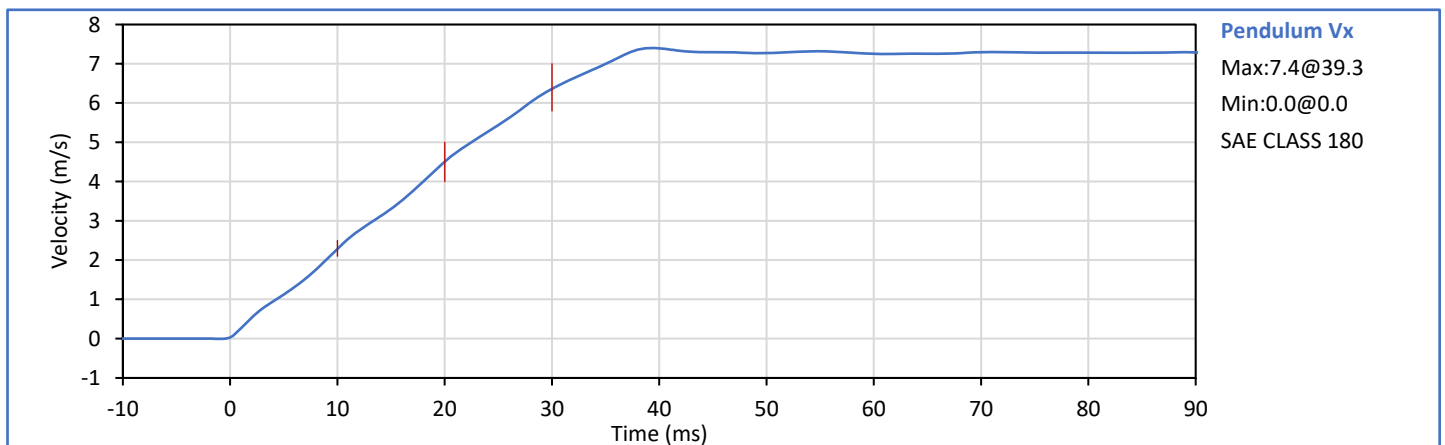
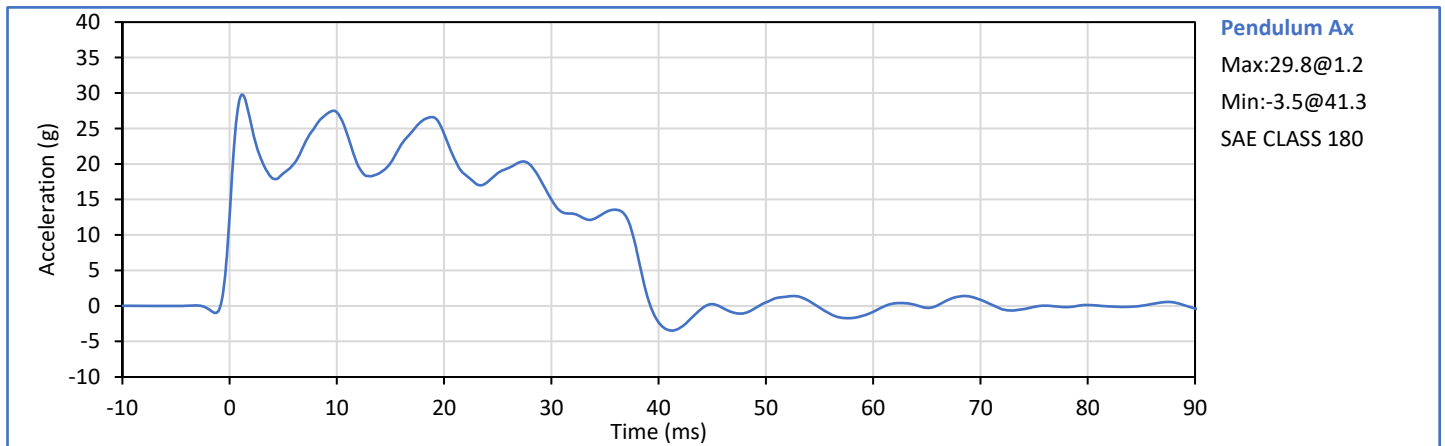
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.4	Pass
Laboratory Humidity	%	10	70	30	Pass
Peak Resultant Acceleration	g	250.0	300.0	274.5	Pass
Peak Lateral Acceleration	g	-15.0	15.0	-7.3	Pass
Oscillations After Main Pulse	%	0.0	10.0	2.1	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
			Overall Test Results		Pass



Technician: A. Ponce

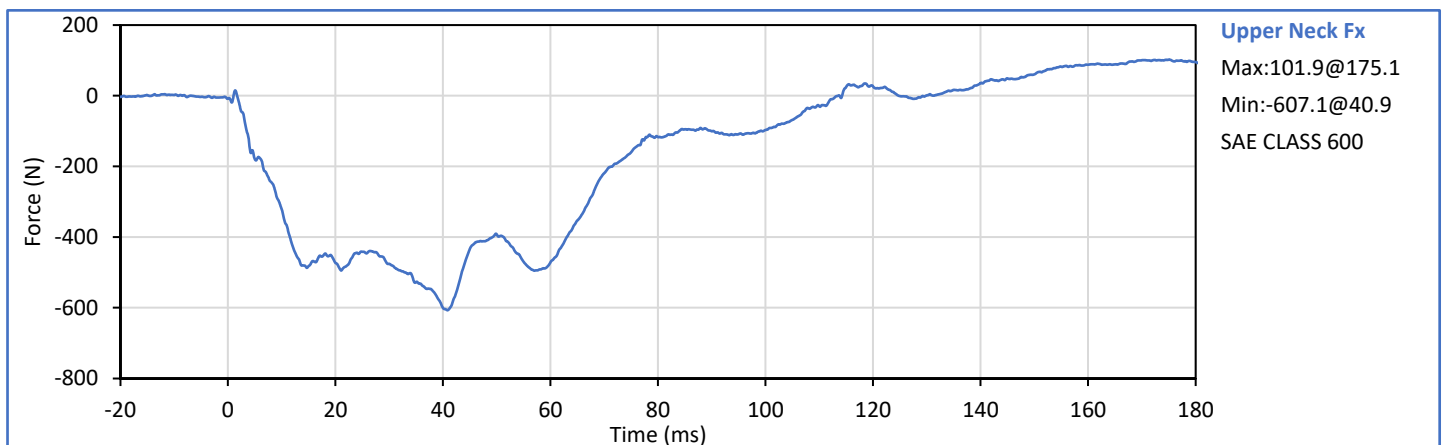
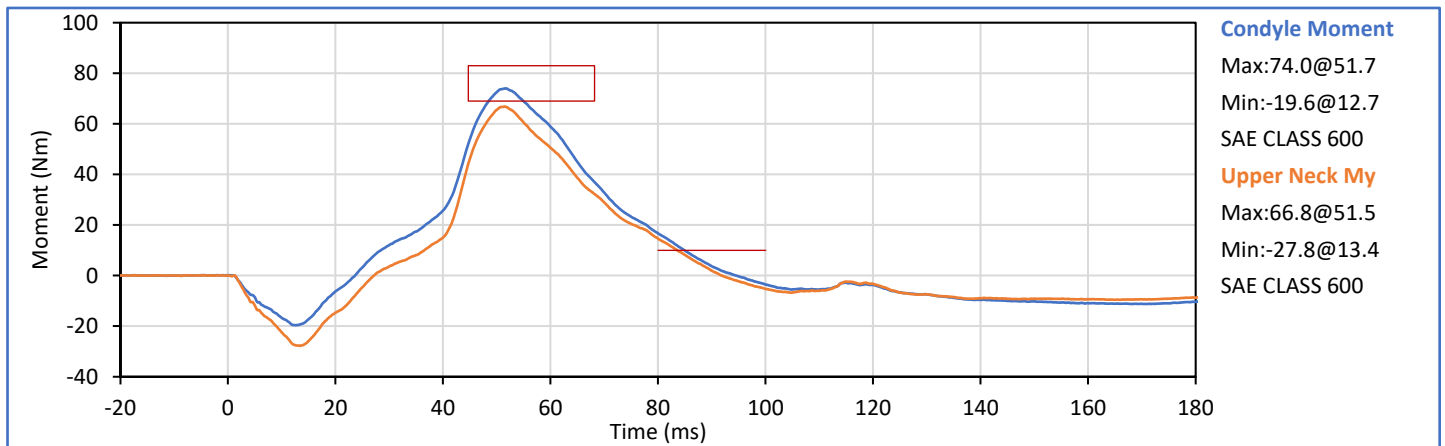
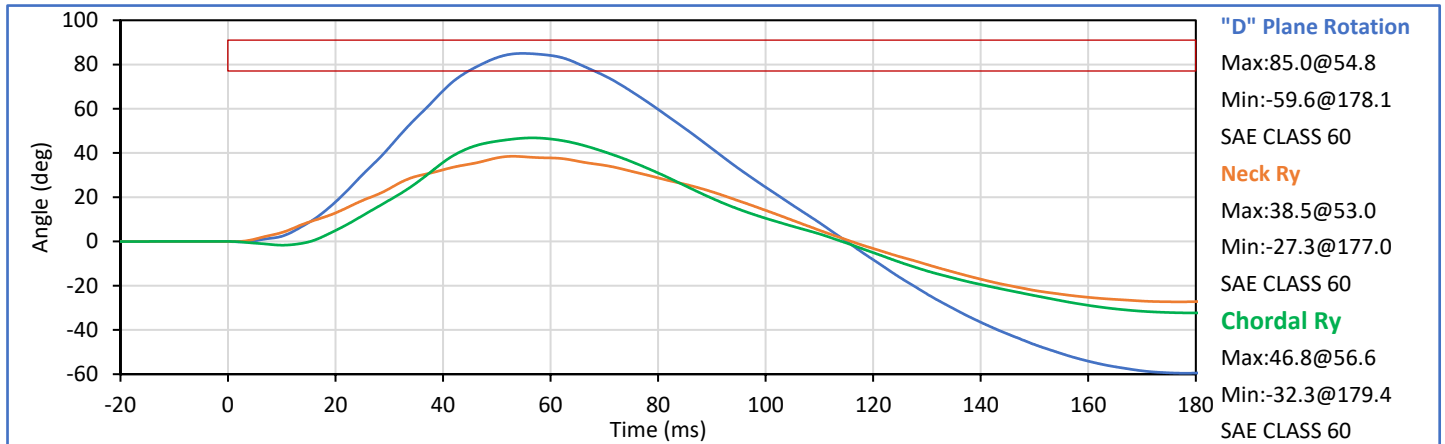
Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Humidity	%	10	70	29	Pass
Pendulum Velocity	m/s	6.89	7.13	7.02	Pass
Pendulum Velocity at 10 ms	m/s	2.10	2.50	2.28	Pass
Pendulum Velocity at 20 ms	m/s	4.00	5.00	4.51	Pass
Pendulum Velocity at 30 ms	m/s	5.80	7.00	6.36	Pass
Peak "D" Plane Rotation	deg	77.0	91.0	85.0	Pass
Peak Moment in Rotation	Nm	69.0	83.0	74.0	Pass
Positive Moment Decay to 10 Nm	ms	80.0	100.0	84.9	Pass
Overall Test Results					Pass

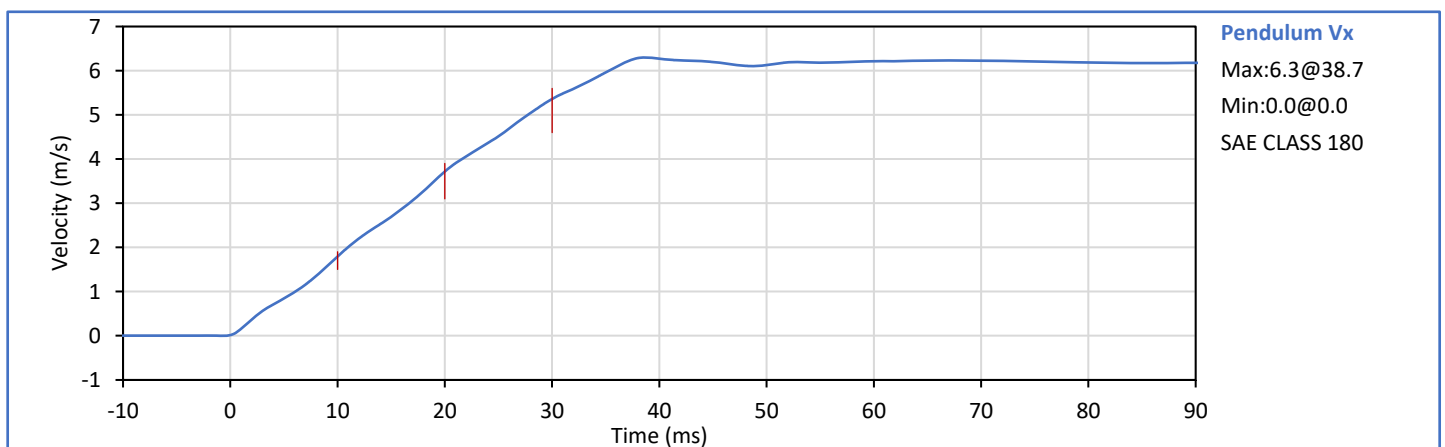
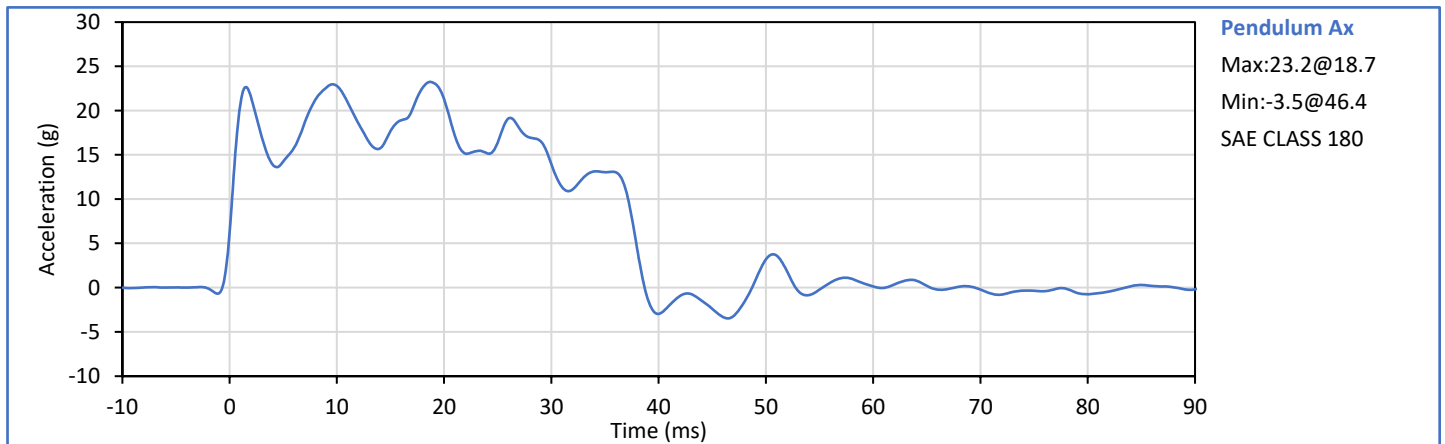


Technician: A. Ponce

Approved By: J. Hernandez

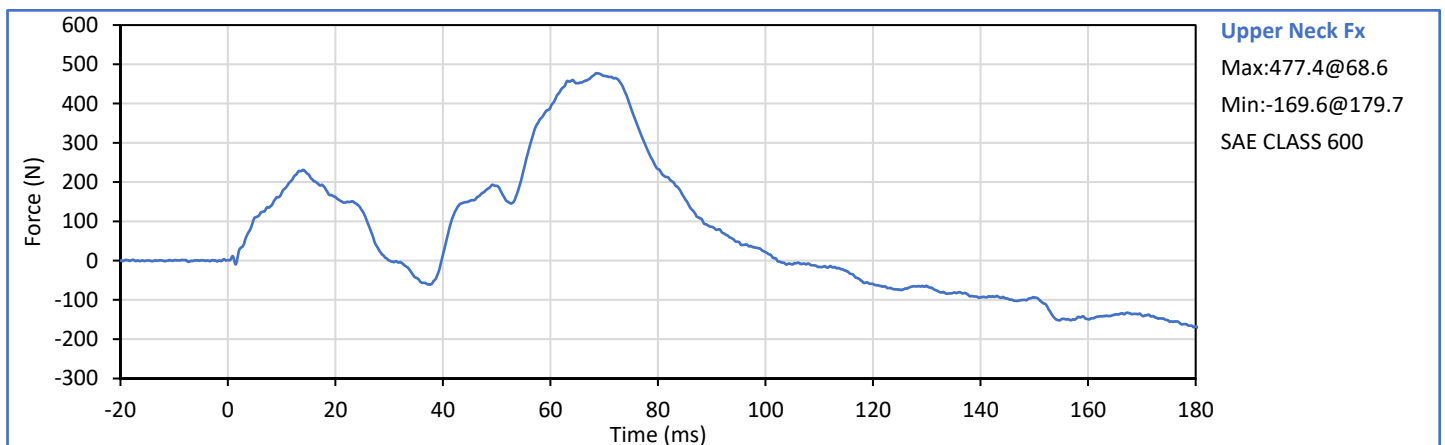
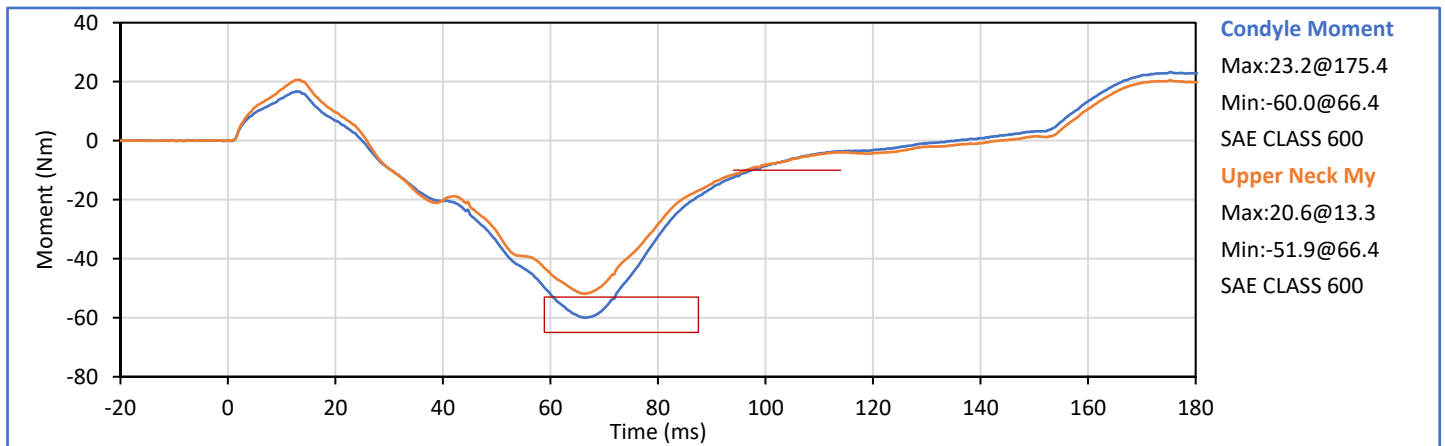
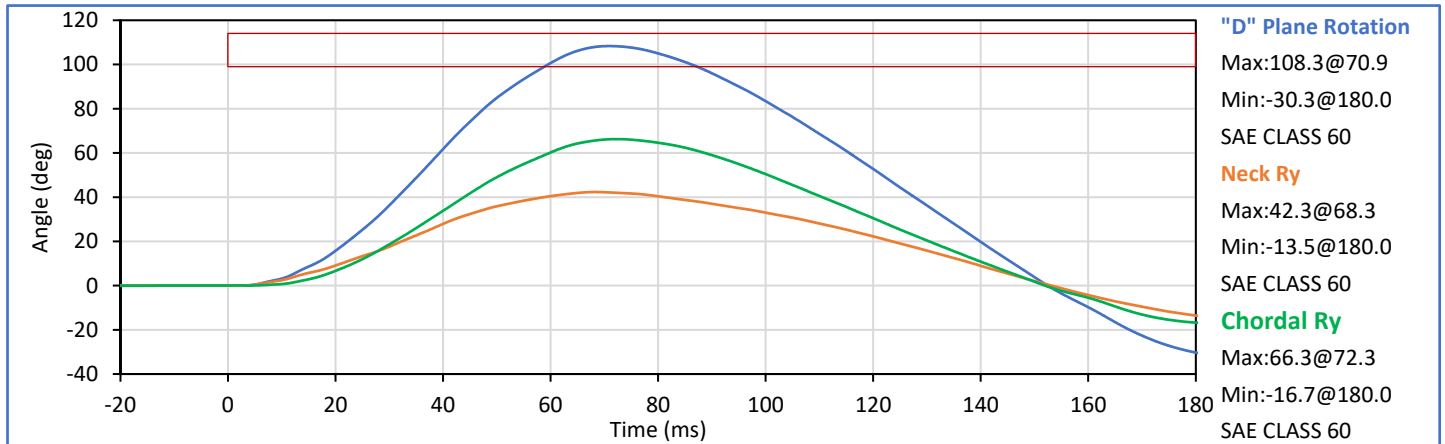


Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	30	Pass
Pendulum Velocity	m/s	5.95	6.19	6.02	Pass
Pendulum Velocity at 10 ms	m/s	1.50	1.90	1.79	Pass
Pendulum Velocity at 20 ms	m/s	3.10	3.90	3.72	Pass
Pendulum Velocity at 30 ms	m/s	4.60	5.60	5.36	Pass
Peak "D" Plane Rotation	deg	99.0	114.0	108.3	Pass
Peak Moment in Rotation	Nm	-65.0	-53.0	-60.0	Pass
Negative Moment Decay to -10 Nm	ms	94.0	114.0	97.5	Pass
Overall Test Results					Pass

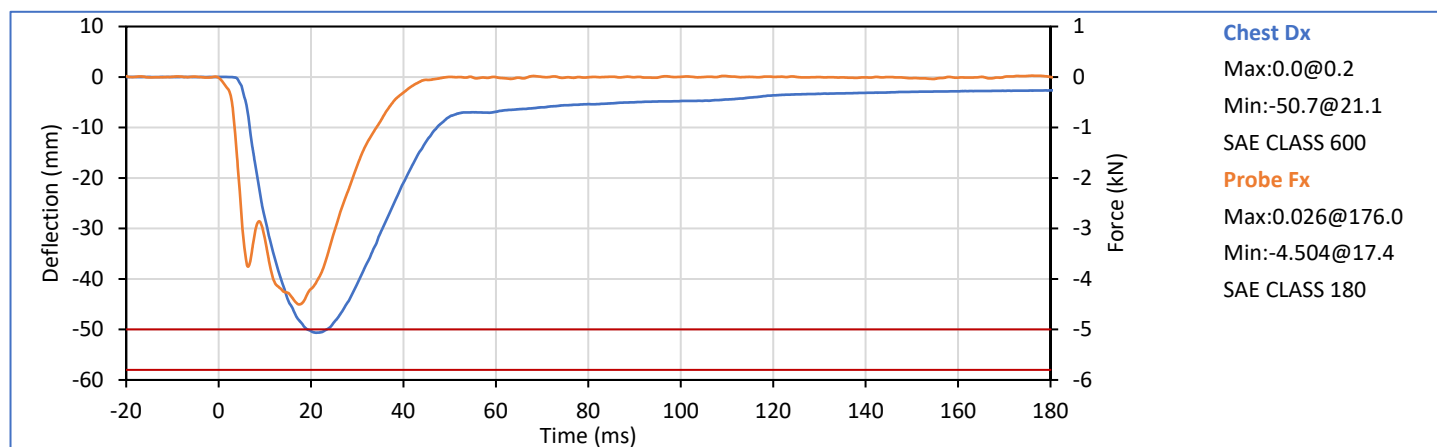
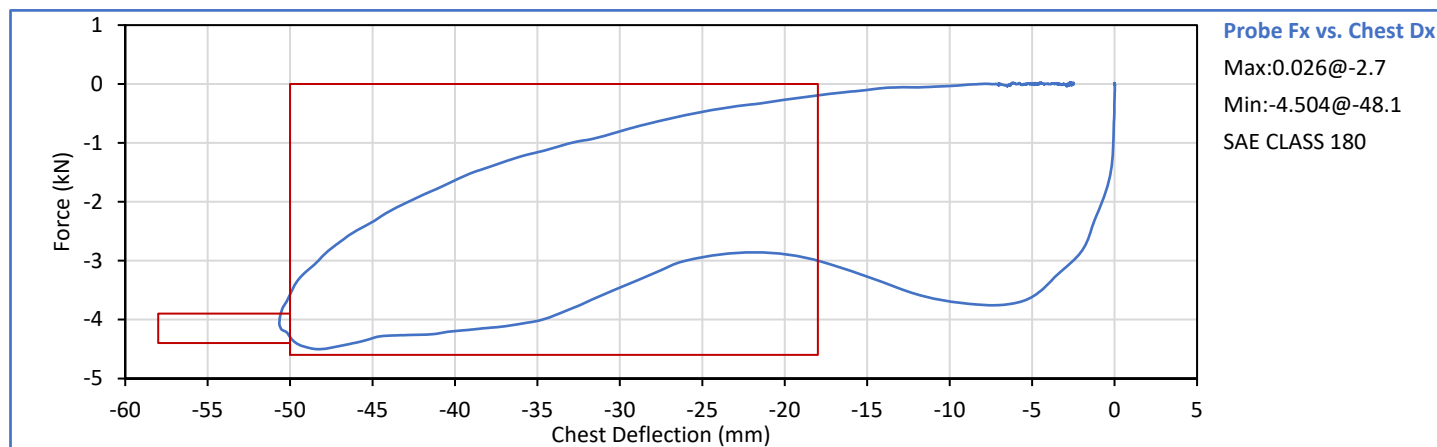


Technician: A. Ponce

Approved By: J. Hernandez



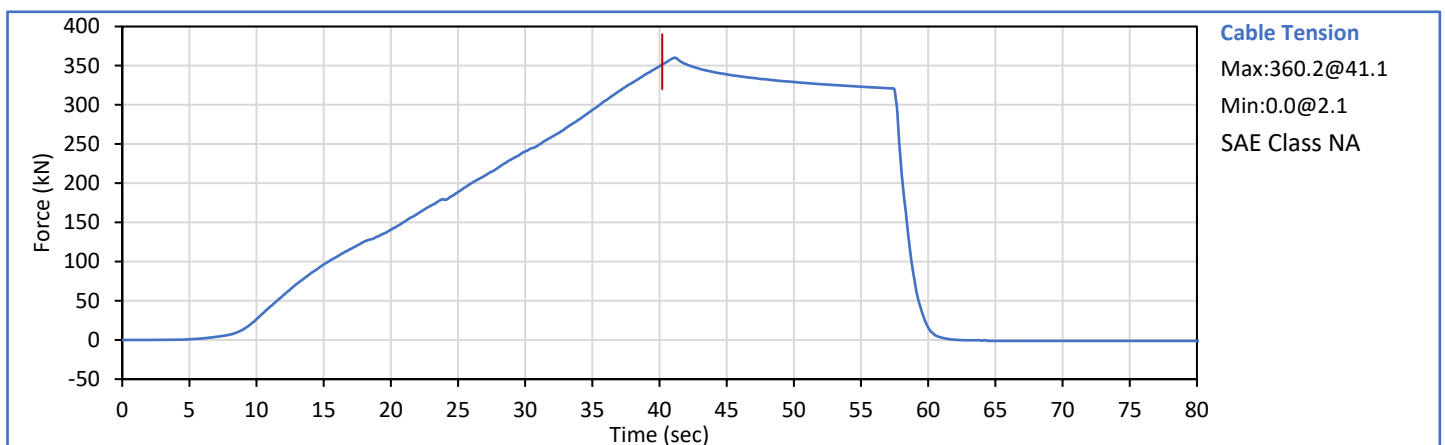
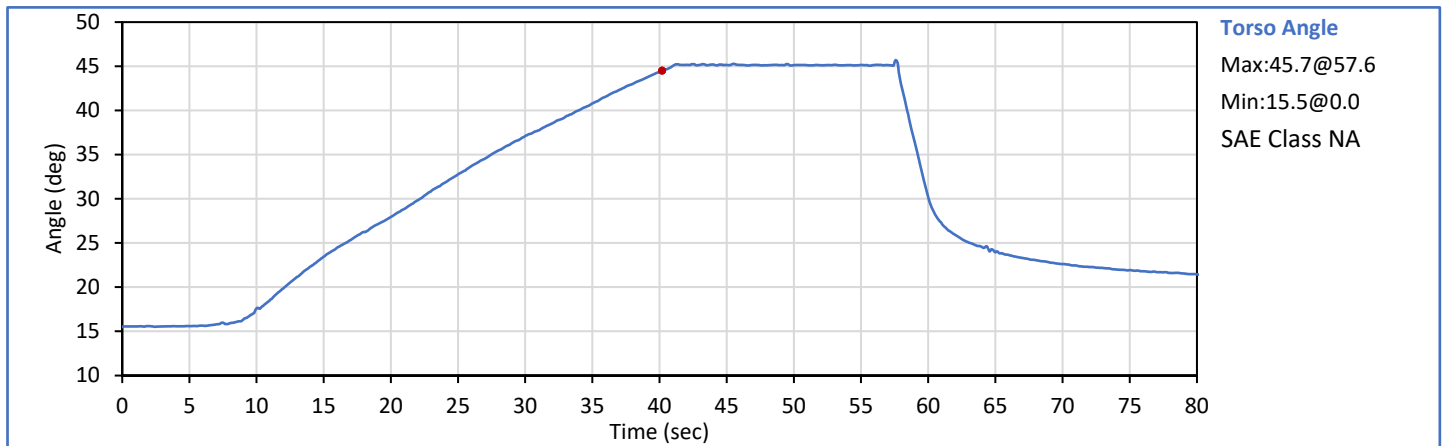
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory RelativeHumidity	%	10	70	31	Pass
Probe Velocity	m/s	6.59	6.83	6.71	Pass
Peak Chest Deflection	mm	-58.0	-50.0	-50.7	Pass
Peak Probe Force, 50 and 58 mm	kN	-4.400	-3.900	-4.299	Pass
Peak Probe Force, 18 and 50 mm	kN	-4.600	0.000	-4.504	Pass
Internal Hysteresis	%	69.0	85.0	75.4	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

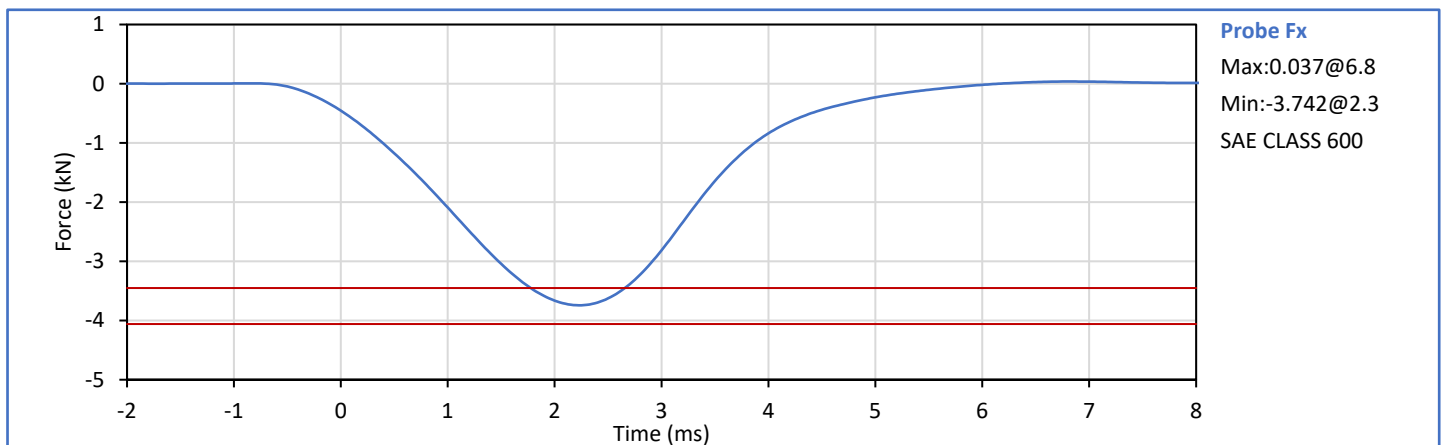
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.1	Pass
Laboratory Humidity	%	10	70	29	Pass
Orientation Angle	deg	0.0	20.0	15.1	Pass
Test Initial Angle	deg	11.0	19.0	15.5	Pass
Peak Force at 45° (+/-0.5°)	N	320.0	390.0	351.4	Pass
Torso Flexion Rate	deg/s	0.50	1.50	0.92	Pass
Final Reference Plane Angle	deg	-8.0	8.0	4.2	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

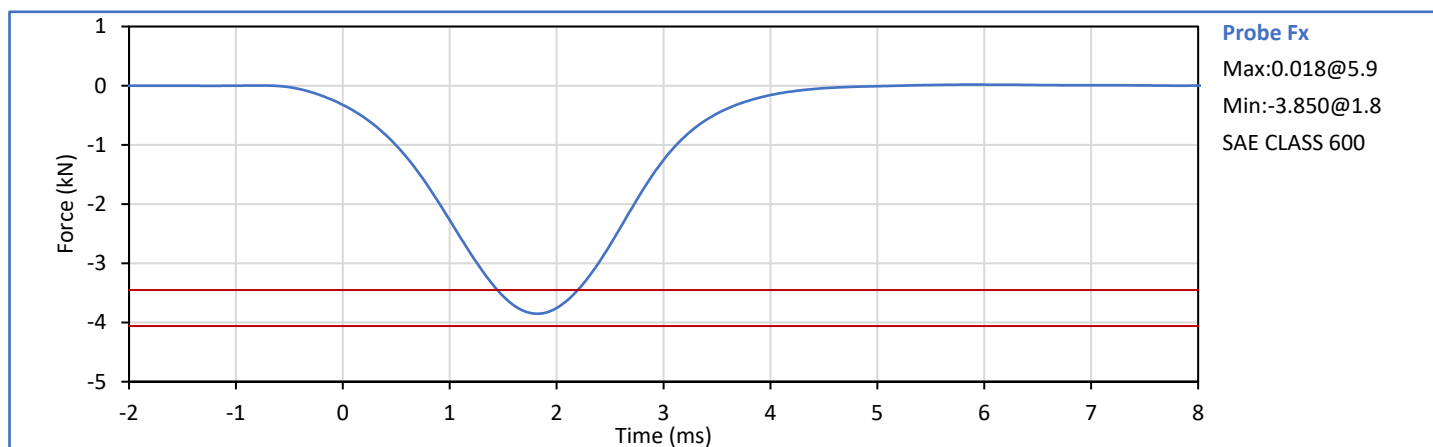
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Laboratory Temperature	°C	18.9	25.6	21.4	Pass
Laboratory Relative Humidity	%	10	70	29	Pass
Probe Velocity	m/s	2.070	2.130	2.103	Pass
Peak Resistive Force	kN	-4.060	-3.450	-3.742	Pass
Overall Test Results					Pass



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	29	Pass
Probe Velocity	m/s	2.070	2.130	2.103	Pass
Peak Resistive Force	kN	-4.060	-3.450	-3.850	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

APPENDIX C
Post-Test ATD Qualification and Performance Verification
Hybrid III 50th Percentile Male ATD
S/N: 360

ATD Serial No.: 360

Test Date: 2025-12-30

Dummy Item	Inspect for	Comments	Damage	OK
Entire ATD	Perform general cleaning			✓
Outer Skin	Gashes, rips, cracks			✓
Head	Ballast secure			✓
	General appearance			✓
Neck bracket	Upper neck firmly attached to lower bracket			✓
Neck	Broken or cracked rubber			✓
	Looseness at the condyle joint			✓
Nodding block	Cracked or out of position			✓
Lumbar Spine	Broken or cracked rubber			✓
Ribs	Broken or bent ribs			✓
	Broken or bent rib supports			✓
	Damping material separated or cracked			✓
	Rubber bumpers in place			✓
Chest Displ. Assembly	Bent shaft			✓
	Slider arm riding in track			✓
Sensors	Check cables for cuts, tears			✓
	Check for damaged insulation			✓
Accelerometer Mounting	Head mounting secure			✓
	Chest mounting secure			✓
Knees	Skin condition			✓
	Insert (do not remove)			✓
	Casting			✓
Limbs	Normal movement and adjustment			✓
Knee Sliders	Wires intact			✓
	Rubber returned to "resting" position			✓
Pelvis	Broken			✓
Other	Describe below as needed			✓

Describe any repairs or replacement of parts or other findings:

No Problems Found

Technician: A. Ponce

Approved By: J. Hernandez

ATD Serial No.: 360

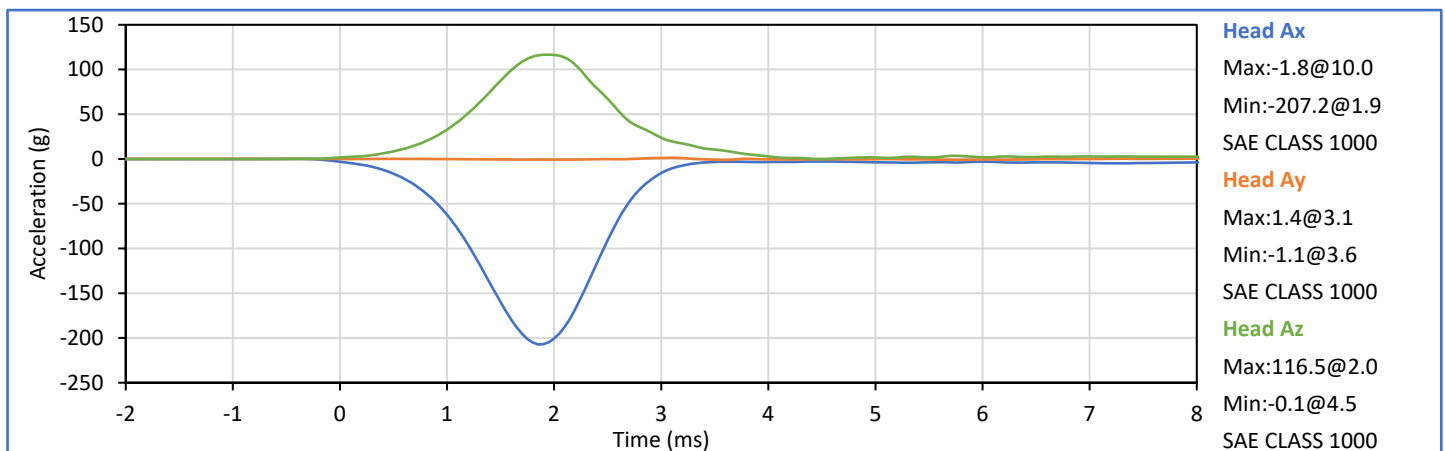
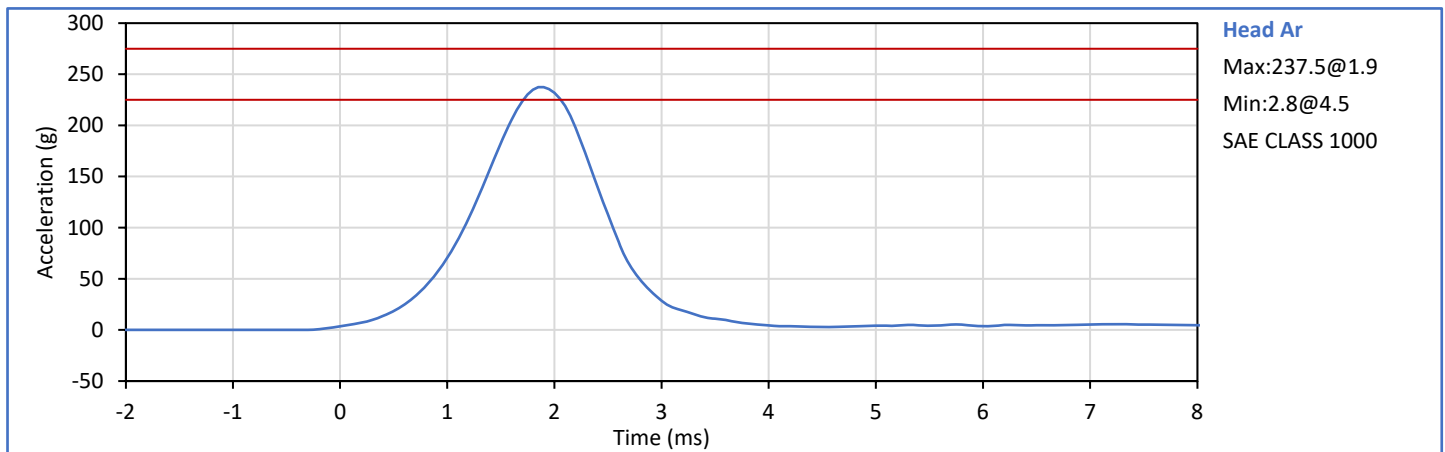
Test Date: 2025-12-30

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
A - Total sitting height	mm	879	889	884	Pass
B - Shoulder pivot height	mm	505	521	513	Pass
C - 'H' point height	mm	84	89	87	Pass
D - 'H' point location from backline	mm	135	140	137	Pass
E - Shoulder pivot from backline	mm	84	94	88	Pass
F - Thigh clearance	mm	140	155	151	Pass
G - Back of elbow to wrist pivot	mm	290	305	300	Pass
H - Head back to backline	mm	41	46	46	Pass
I - Shoulder to elbow length	mm	330	345	337	Pass
J - Elbow rest height	mm	190	211	200	Pass
K - Buttock to knee length	mm	579	604	593	Pass
L - Popliteal length	mm	429	455	440	Pass
M - Knee pivot height	mm	485	500	497	Pass
N - Buttock popliteal length	mm	452	477	464	Pass
O - Chest depth without jacket	mm	213	229	226	Pass
P - Foot length	mm	251	267	257	Pass
V - Shoulder breadth	mm	422	437	433	Pass
W - Foot breadth	mm	91	107	101	Pass
Y - Chest circum. (w/chest jacket)	mm	970	1001	986	Pass
Z - Waist circum.	mm	836	866	847	Pass
AA - Location for chest circum.	mm	429	434	432	Pass
BB - Location for waist circum.	mm	226	231	231	Pass
			Overall Test Results		Pass

Technician: A. Ponce

Approved By: J. Hernandez

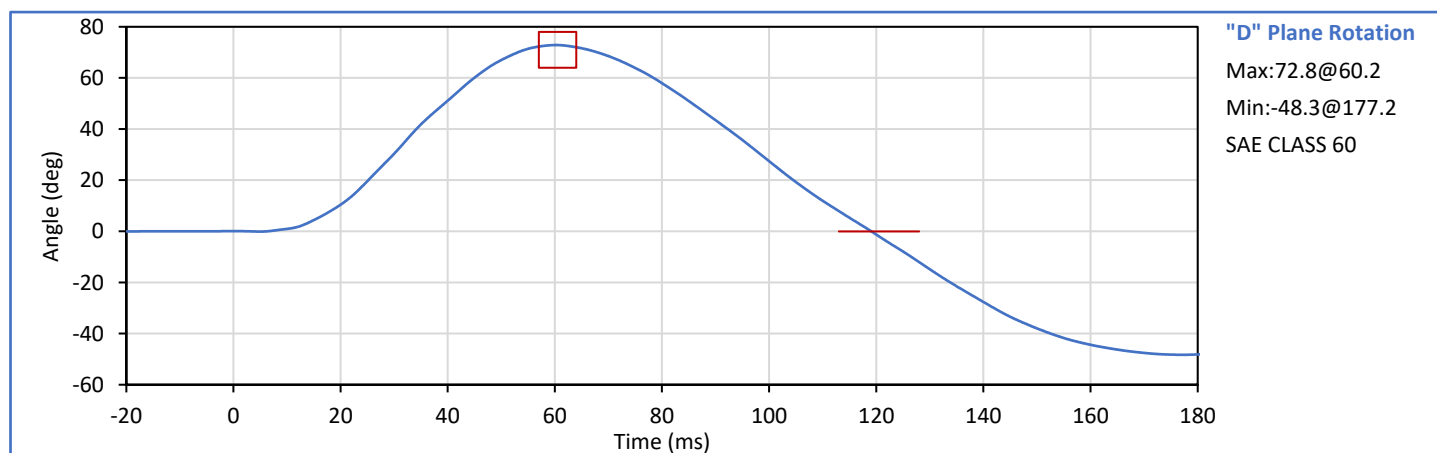
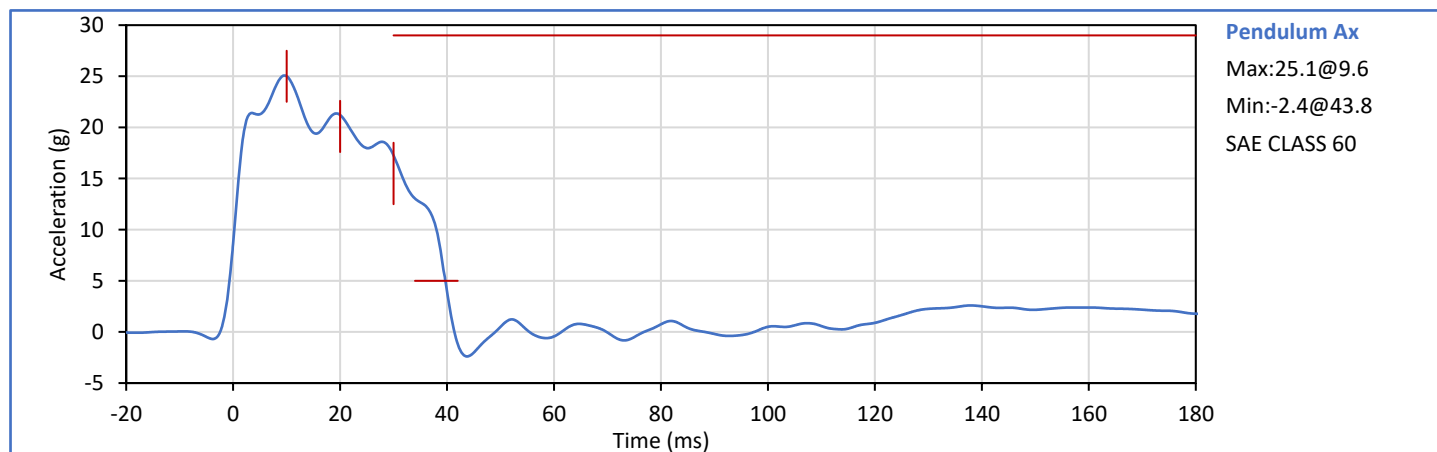
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.4	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Peak Resultant Acceleration	g	225.0	275.0	237.5	Pass
Peak Lateral Acceleration	g	-15.0	15.0	1.4	Pass
Oscillations After Main Pulse	%	0.0	10.0	0.0	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
			Overall Test Results		Pass



Technician: A. Ponce

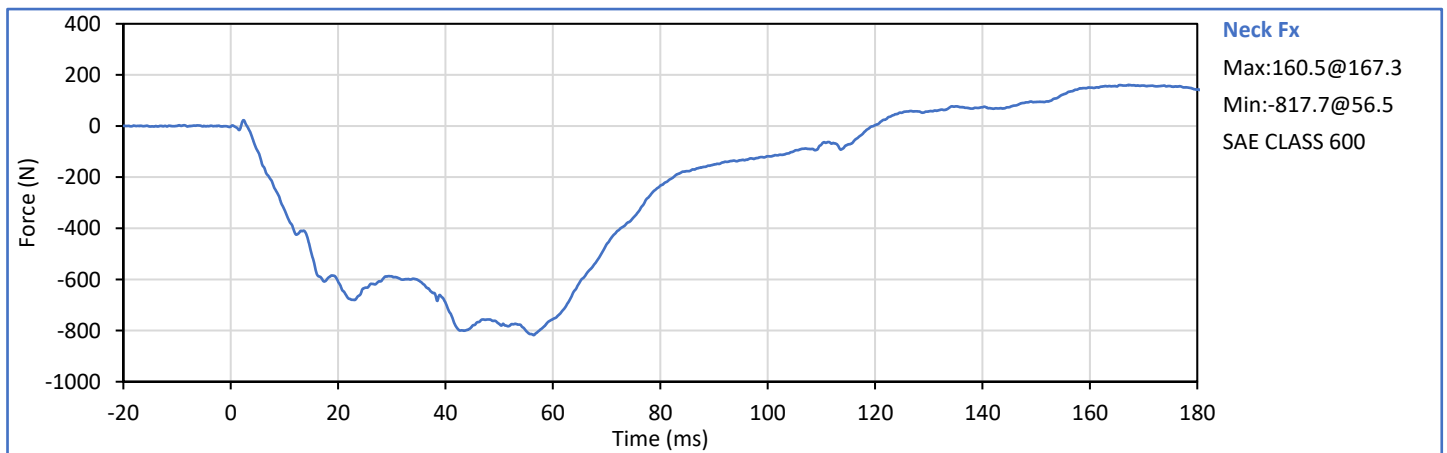
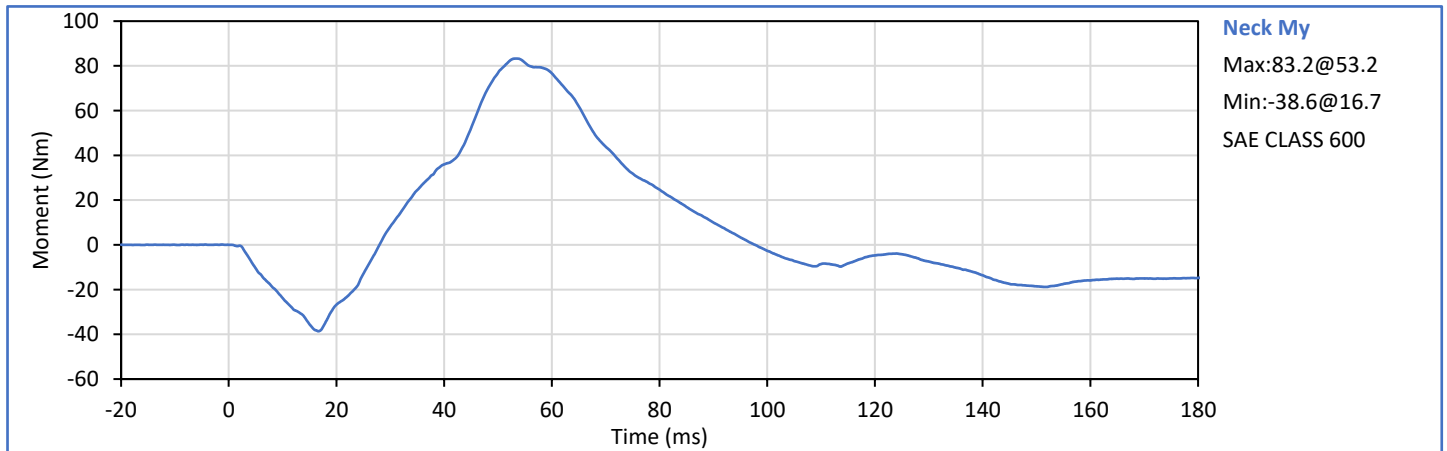
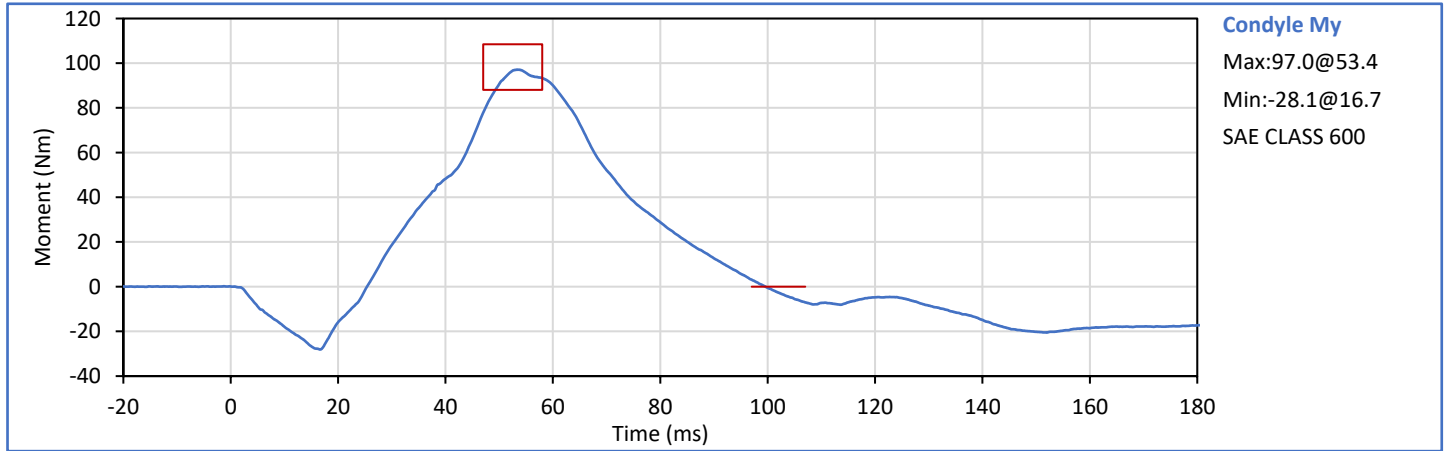
Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Relative Humidity	%	10	70	34	Pass
Pendulum Velocity	m/s	6.89	7.13	7.02	Pass
Pendulum Deceleration at 10 ms	g	22.5	27.5	25.0	Pass
Pendulum Deceleration at 20 ms	g	17.6	22.6	21.2	Pass
Pendulum Deceleration at 30 ms	g	12.5	18.5	17.3	Pass
Peak Pendulum Decel After 30 ms	g	0.0	29.0	17.3	Pass
Deceleration Decay to Cross 5g	ms	34.0	42.0	39.7	Pass
"D" Plane Rotation peak	deg	64.0	78.0	72.8	Pass
	ms	57.0	64.0	60.2	Pass
"D" Plane Rotation Decay to Zero	ms	113.0	128.0	119.1	Pass
Moment About Occipital Condyle	Nm	88.1	108.5	97.0	Pass
	ms	47.0	58.0	53.4	Pass
Moment Decay, Peak to Zero	ms	97.0	107.0	99.6	Pass
Overall Test Results				Pass	

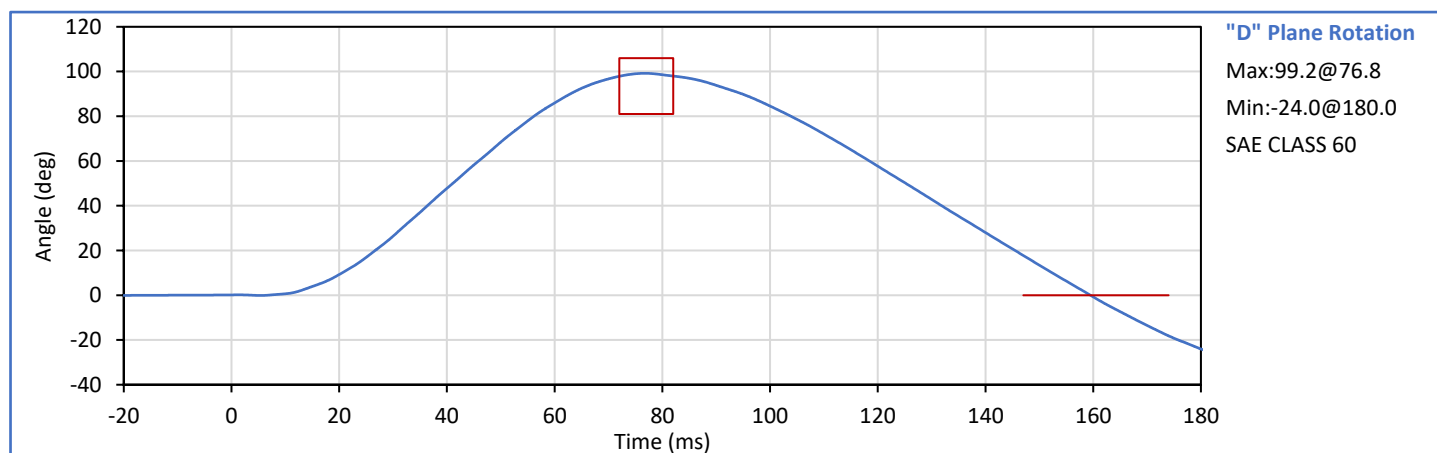
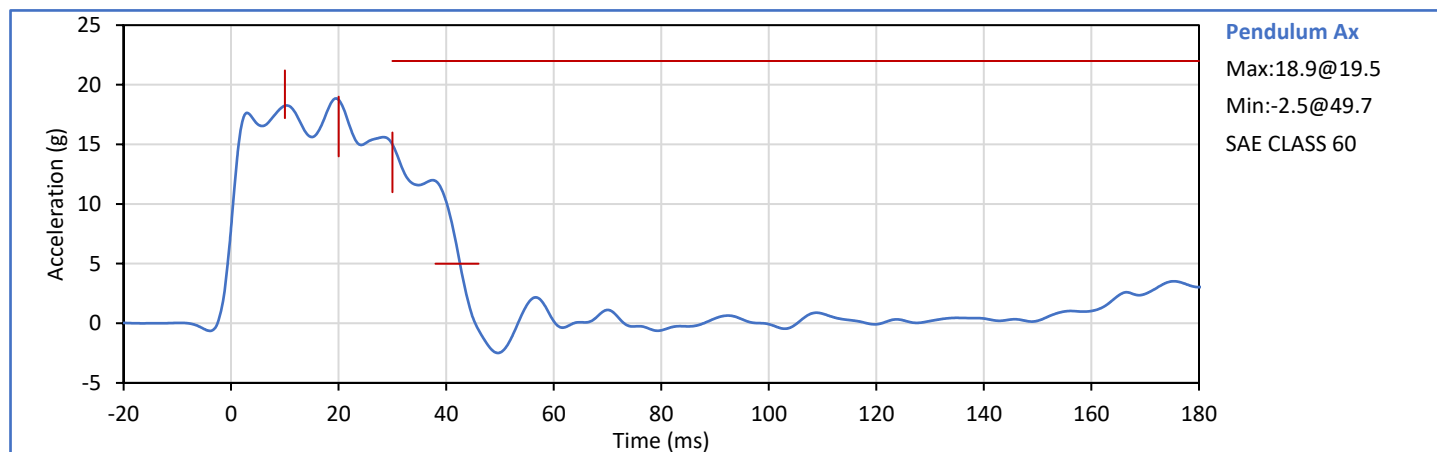


Technician: A. Ponce

Approved By: J. Hernandez

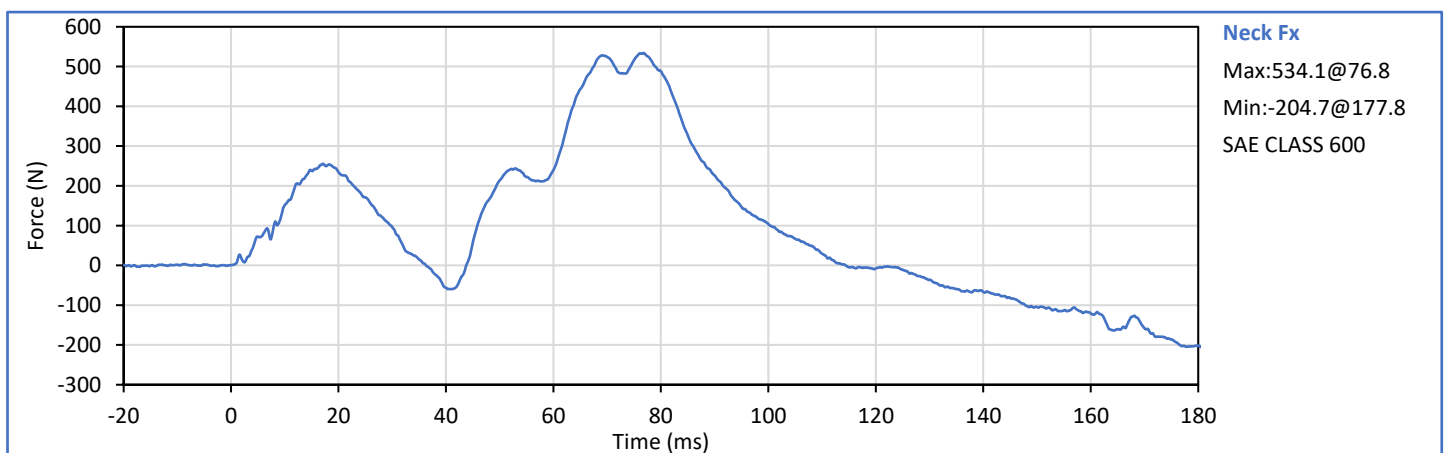
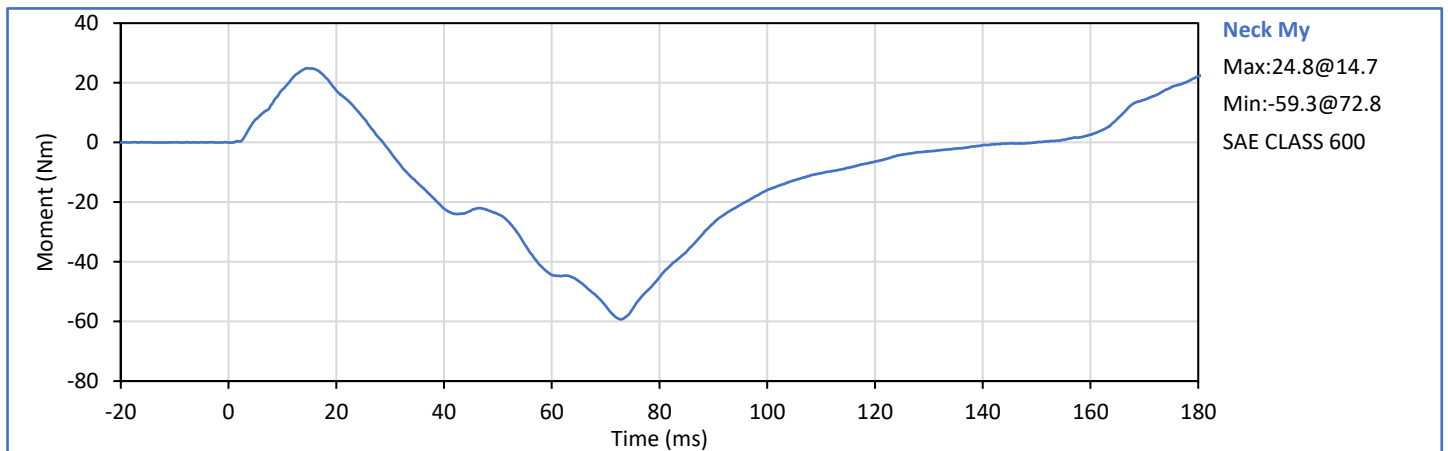
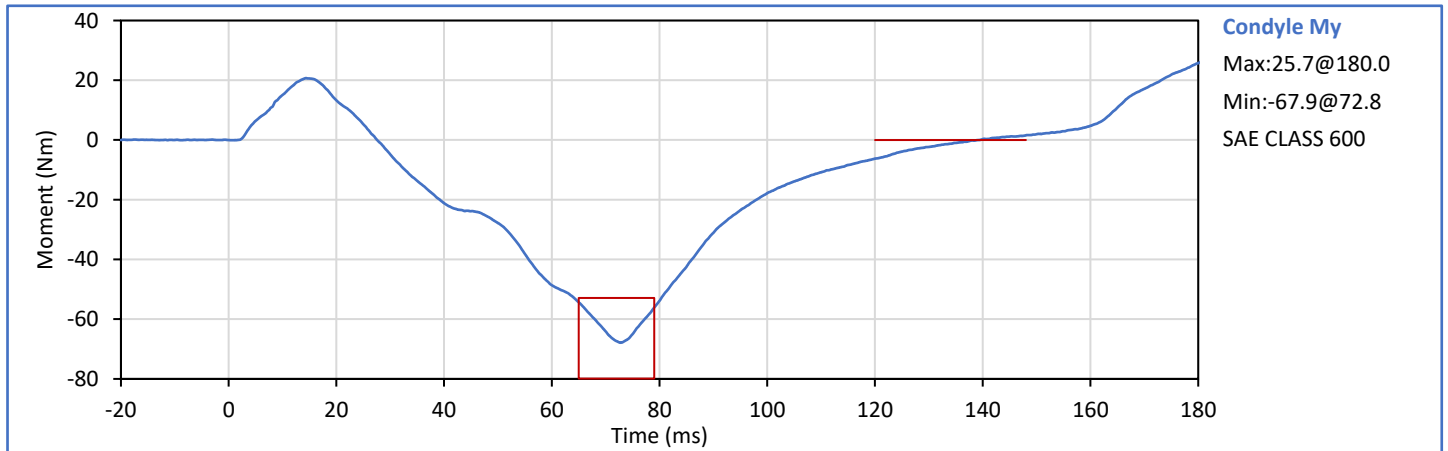


Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Pendulum Velocity	m/s	5.94	6.19	6.16	Pass
Pendulum Deceleration at 10 ms	g	17.2	21.2	18.2	Pass
Pendulum Deceleration at 20 ms	g	14.0	19.0	18.7	Pass
Pendulum Deceleration at 30 ms	g	11.0	16.0	15.0	Pass
Peak Pendulum Decel After 30 ms	g	0.0	22.0	15.0	Pass
Deceleration Decay to Cross 5g	ms	38.0	46.0	42.6	Pass
"D" Plane Rotation peak	deg	81.0	106.0	99.2	Pass
	ms	72.0	82.0	76.8	Pass
"D" Plane Rotation Decay to Zero	ms	147.0	174.0	159.5	Pass
Moment About Occipital Condyle	Nm	-79.9	-52.9	-67.9	Pass
	ms	65.0	79.0	72.8	Pass
Moment Decay, Peak to Zero	ms	120.0	148.0	139.5	Pass
Overall Test Results				Pass	

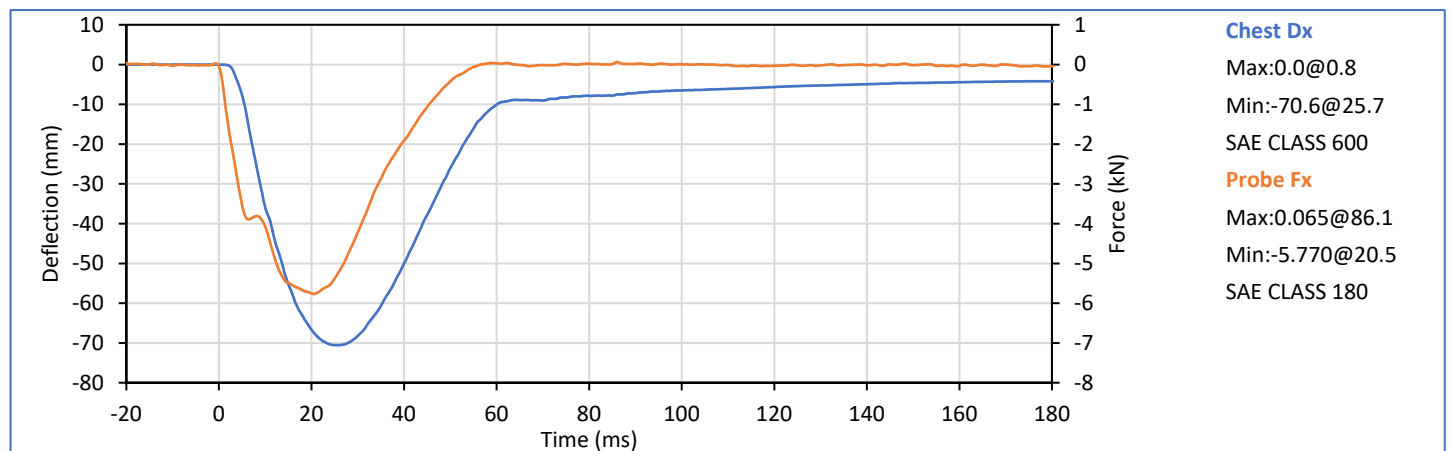
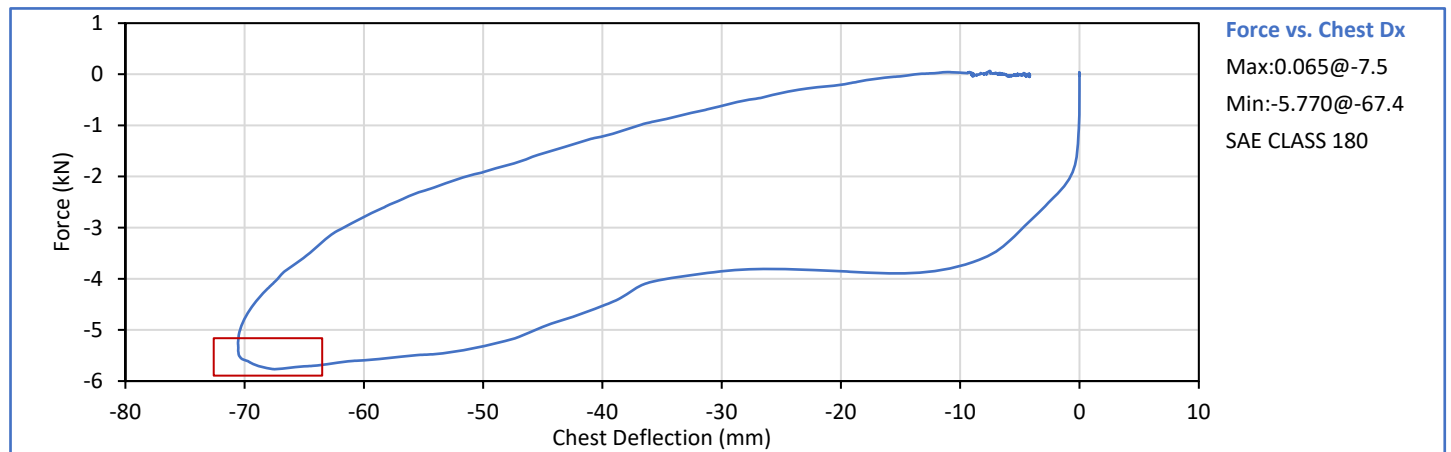


Technician: A. Ponce

Approved By: J. Hernandez



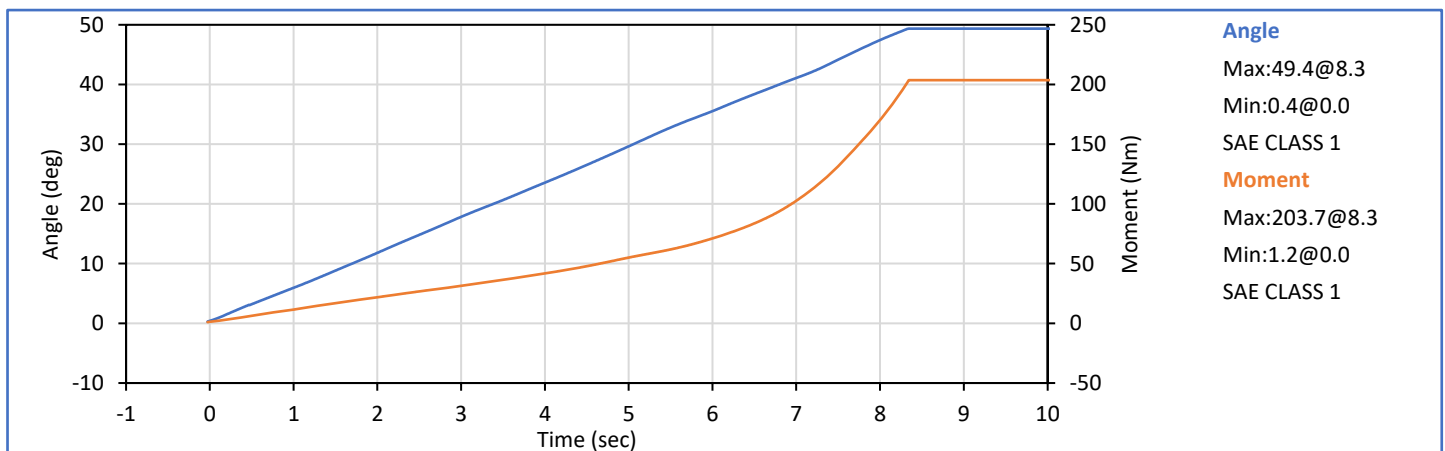
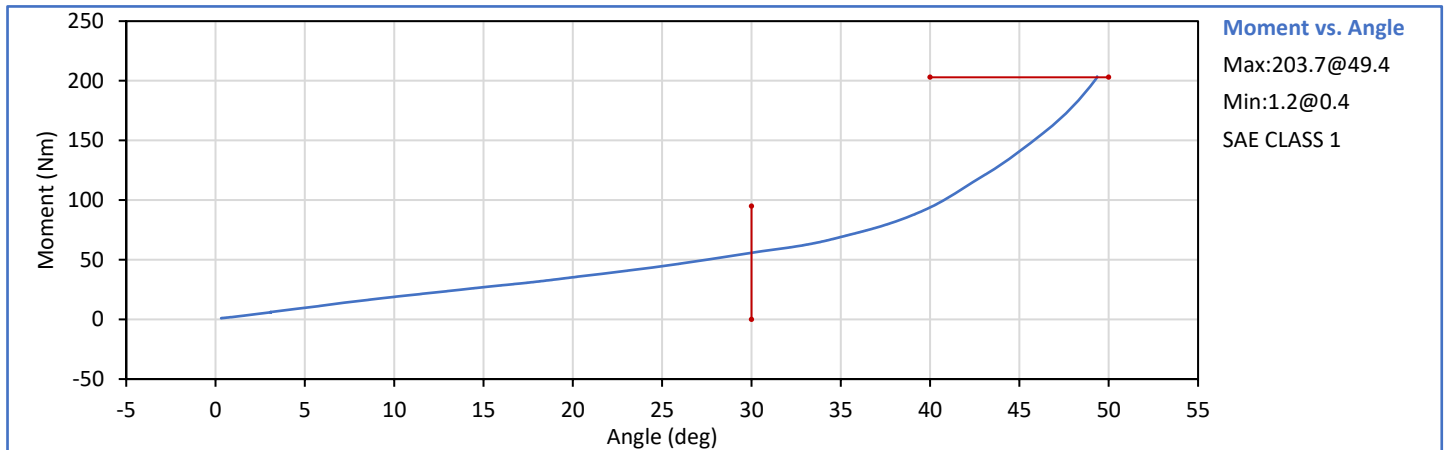
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Probe Velocity	m/s	6.58	6.82	6.72	Pass
Peak Chest Deflection	mm	-72.6	-63.5	-70.6	Pass
Peak Probe Force	kN	-5.893	-5.159	-5.770	Pass
Internal Hysteresis	%	69.0	85.0	70.8	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

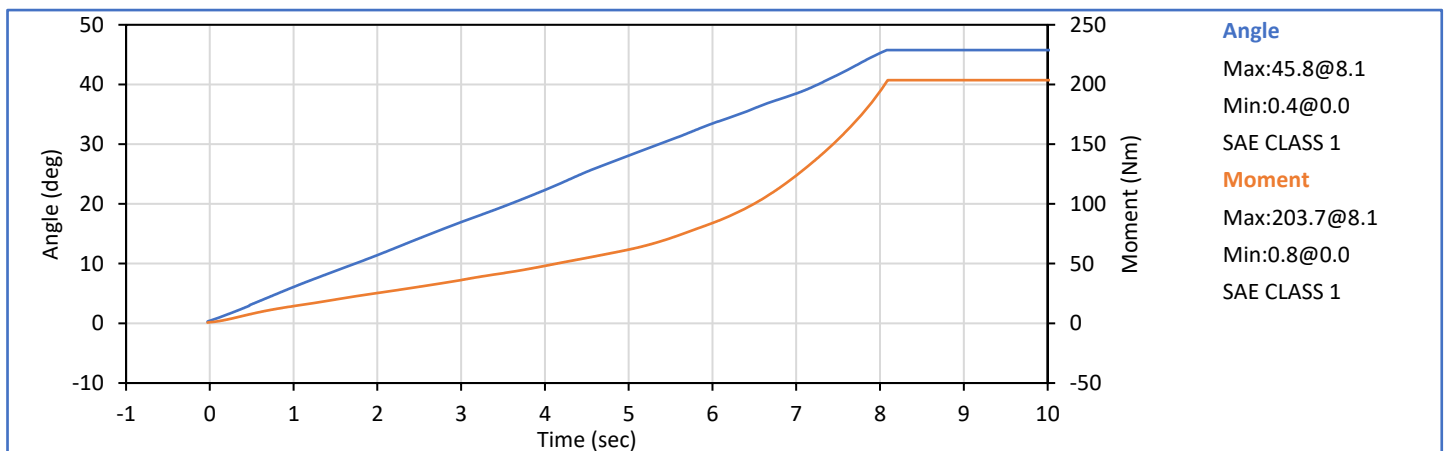
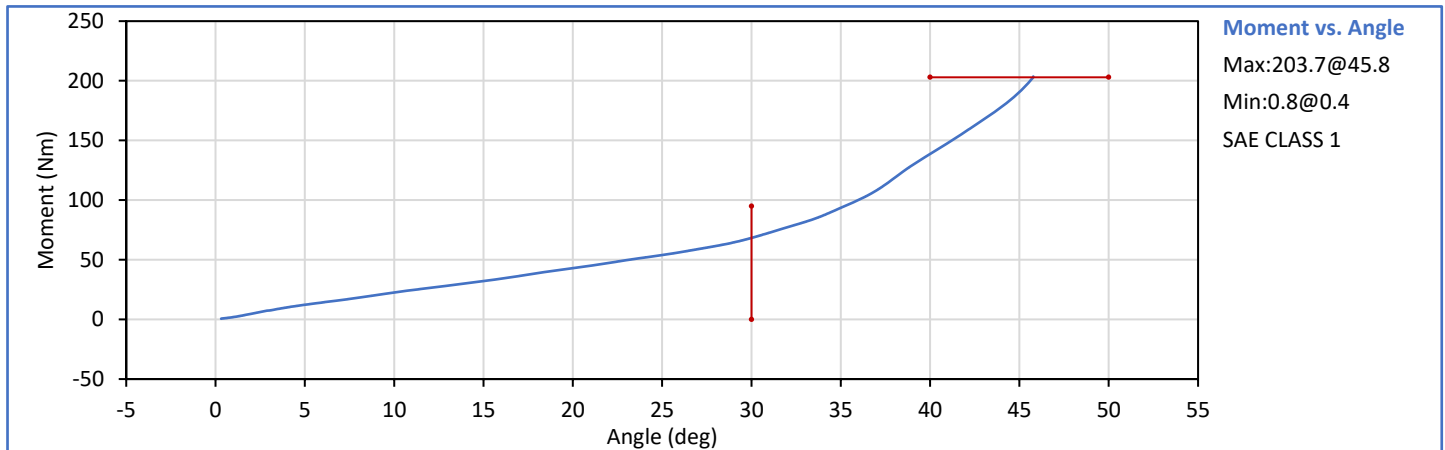
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.1	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Left Hip Rotation Rate	deg/s	5.0	10.0	5.8	Pass
Left Femur Torque at 30°	Nm	0.0	95.0	55.8	Pass
Left Hip Rotation at 203 Nm	deg	40.0	50.0	49.4	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

Approved By: J. Hernandez

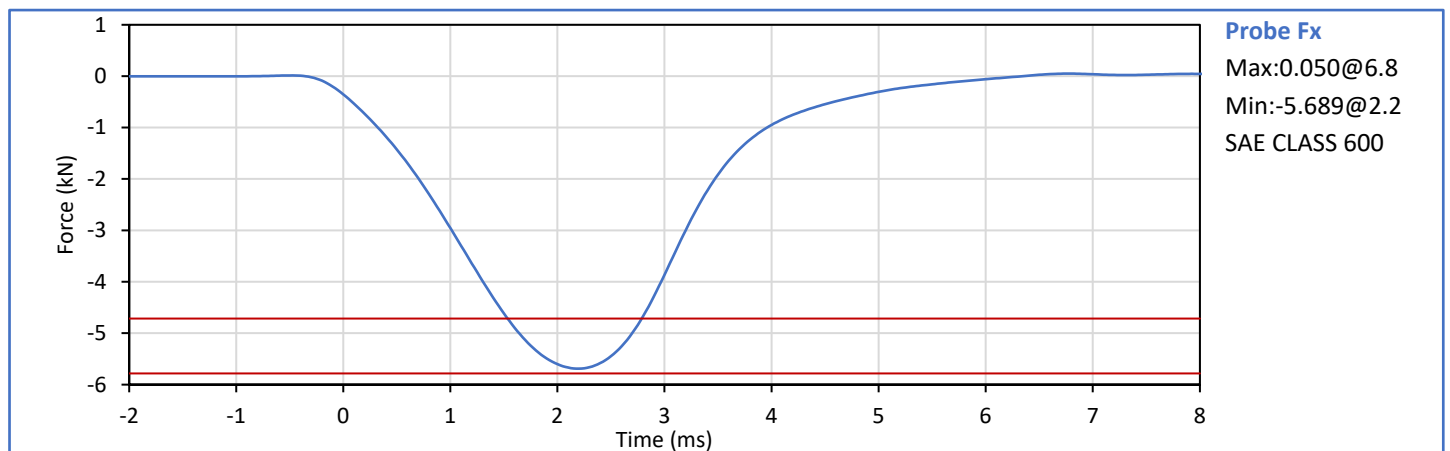
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Right Hip Rotation Rate	deg/s	5.0	10.0	5.5	Pass
Right Femur Torque at 30°	Nm	0.0	95.0	68.3	Pass
Right Hip Rotation at 203 Nm	deg	40.0	50.0	45.8	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

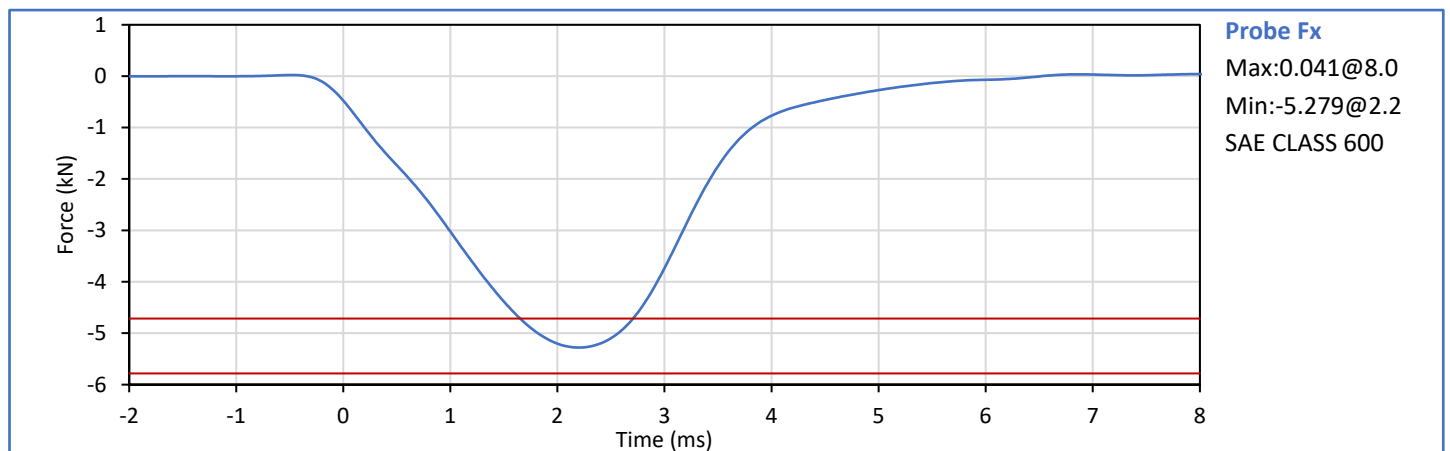
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.4	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Probe Velocity	m/s	2.070	2.130	2.109	Pass
Peak Resistive Force	kN	-5.782	-4.715	-5.689	Pass
Overall Test Results					Pass



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	33	Pass
Probe Velocity	m/s	2.070	2.130	2.105	Pass
Peak Resistive Force	kN	-5.782	-4.715	-5.279	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

APPENDIX C
Post-Test ATD Qualification and Performance Verification
Hybrid III 5th Percentile Female ATD
S/N: DH1644

ATD Serial No.: DH1644

Test Date: 2025-12-24

Dummy Item	Inspect for	Comments	Damage	Okay
Entire ATD	Perform general cleaning			✓
Outer Skin	Gashes, rips, cracks			✓
Head	Ballast secure			✓
	General appearance			✓
Neck bracket	Upper neck firmly attached to lower bracket			✓
Neck	Broken or cracked rubber			✓
	Looseness at the condyle joint			✓
Nodding block	Cracked or out of position			✓
Lumbar Spine	Broken or cracked rubber			✓
Ribs	Broken or bent ribs			✓
	Broken or bent rib supports			✓
	Damping material separated or cracked			✓
	Rubber bumpers in place			✓
Chest Displ. Assembly	Bent shaft			✓
	Slider arm riding in track			✓
Sensors	Check cables for cuts, tears			✓
	Check for damaged insulation			✓
Accelerometer Mounting	Head mounting secure			✓
	Chest mounting secure			✓
Knees	Skin condition			✓
	Insert (do not remove)			✓
	Casting			✓
Limbs	Normal movement and adjustment			✓
Knee Sliders	Wires intact			✓
	Rubber returned to "resting" position			✓
Pelvis	Broken			✓
Other	Describe below as needed			✓

Describe any repairs or replacement of parts or other findings:

No Problems Found

Technician: A. Ponce

Approved By: J. Hernandez

ATD Serial No.: DH1644

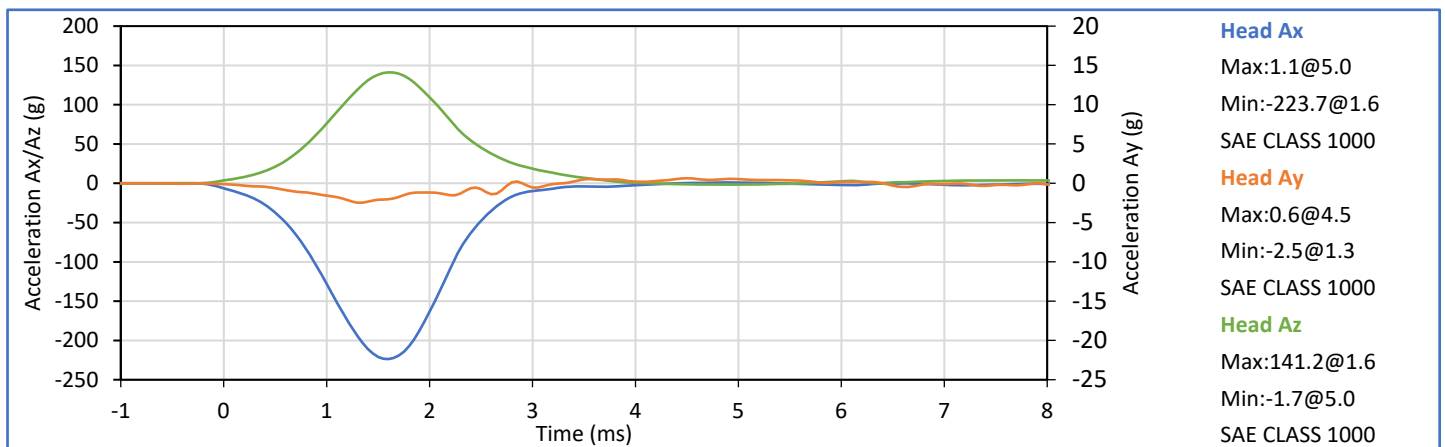
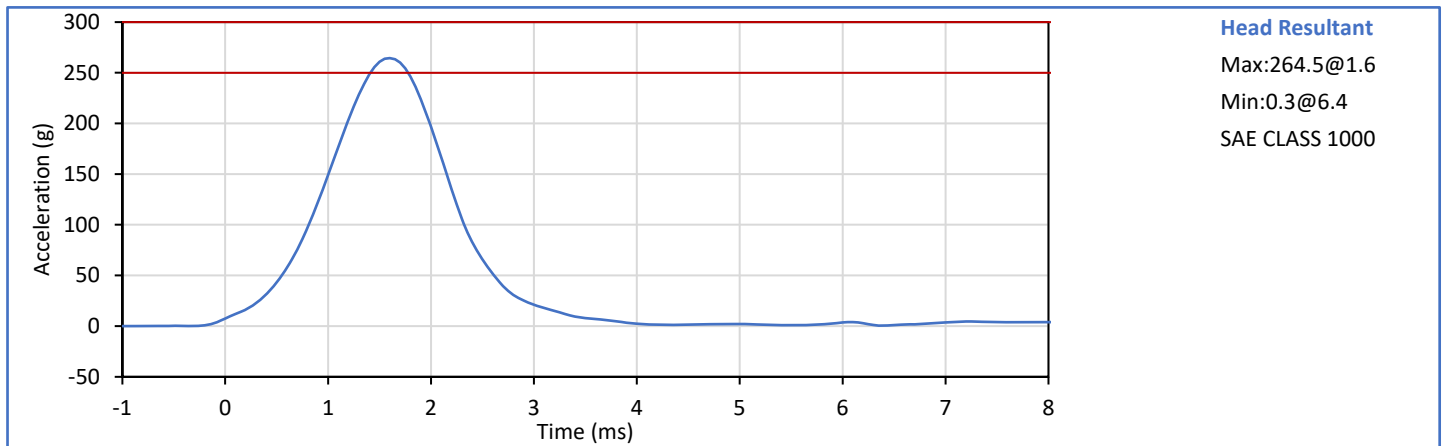
Test Date: 2025-12-24

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
A - Total sitting height	mm	775	800	787	Pass
B - Shoulder pivot height	mm	432	457	437	Pass
C - 'H' point height	mm	81	86	85	Pass
D - 'H' point location from backline	mm	145	150	146	Pass
E - Shoulder pivot from backline	mm	69	84	76	Pass
F - Thigh clearance	mm	119	135	129	Pass
G - Back of elbow to wrist pivot	mm	244	259	249	Pass
H - Head back to backline	mm	41	46	43	Pass
I - Shoulder to elbow length	mm	277	297	285	Pass
J - Elbow rest height	mm	183	203	198	Pass
K - Buttock to knee length	mm	521	546	530	Pass
L - Popliteal length	mm	356	376	366	Pass
M - Knee pivot height	mm	394	419	409	Pass
N - Buttock popliteal length	mm	414	439	420	Pass
O - Chest depth without jacket	mm	175	191	188	Pass
P - Foot length	mm	219	234	226	Pass
R - Buttock to Knee Pivot Length	mm	457	483	474	Pass
S - Head Breadth	mm	137	147	141	Pass
T - Head Depth	mm	178	188	183	Pass
U - Hip Breadth	mm	300	315	311	Pass
V - Shoulder breadth	mm	351	366	357	Pass
W - Foot breadth	mm	79	94	82	Pass
X - Head circum.	mm	528	549	538	Pass
Y - Chest circum. (w/chest jacket)	mm	851	881	873	Pass
Z - Waist circum.	mm	760	790	780	Pass
AA - Location for chest circum.	mm	333	358	350	Pass
BB - Location for waist circum.	mm	160	170	167	Pass
			Overall Test Results		Pass

Technician: A. Ponce

Approved By: J. Hernandez

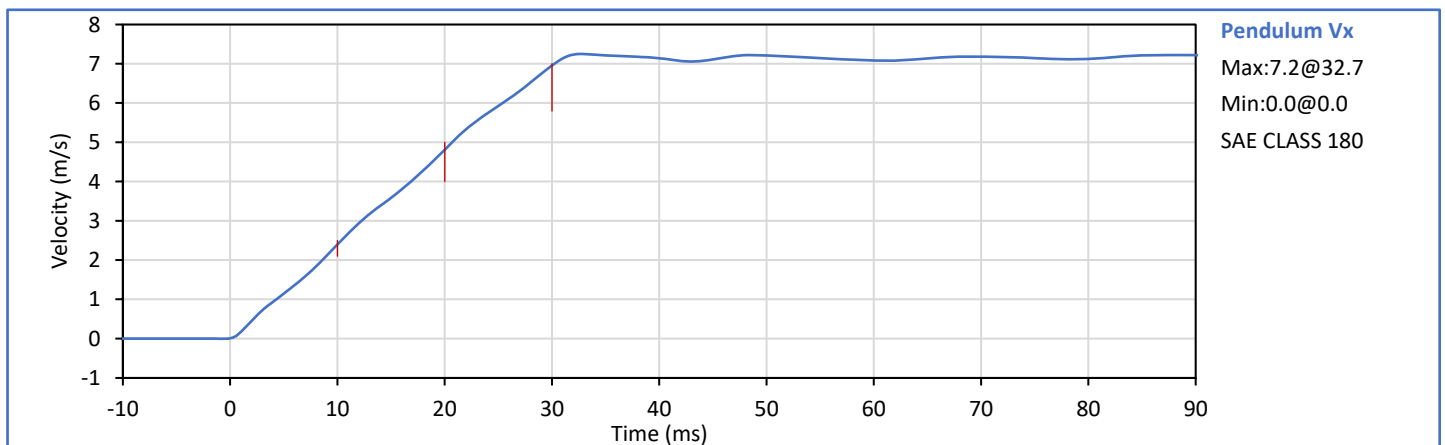
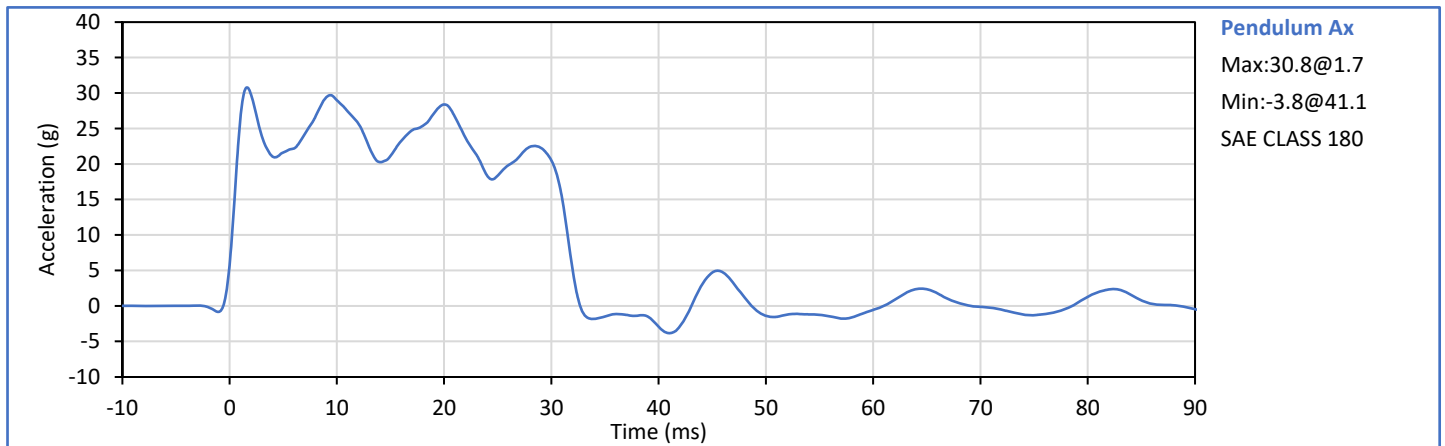
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.4	Pass
Laboratory Humidity	%	10	70	33	Pass
Peak Resultant Acceleration	g	250.0	300.0	264.5	Pass
Peak Lateral Acceleration	g	-15.0	15.0	-2.5	Pass
Oscillations After Main Pulse	%	0.0	10.0	1.7	Pass
Is Acceleration Unimodal?	Yes/No	Yes		Yes	Pass
			Overall Test Results	Pass	



Technician: A. Ponce

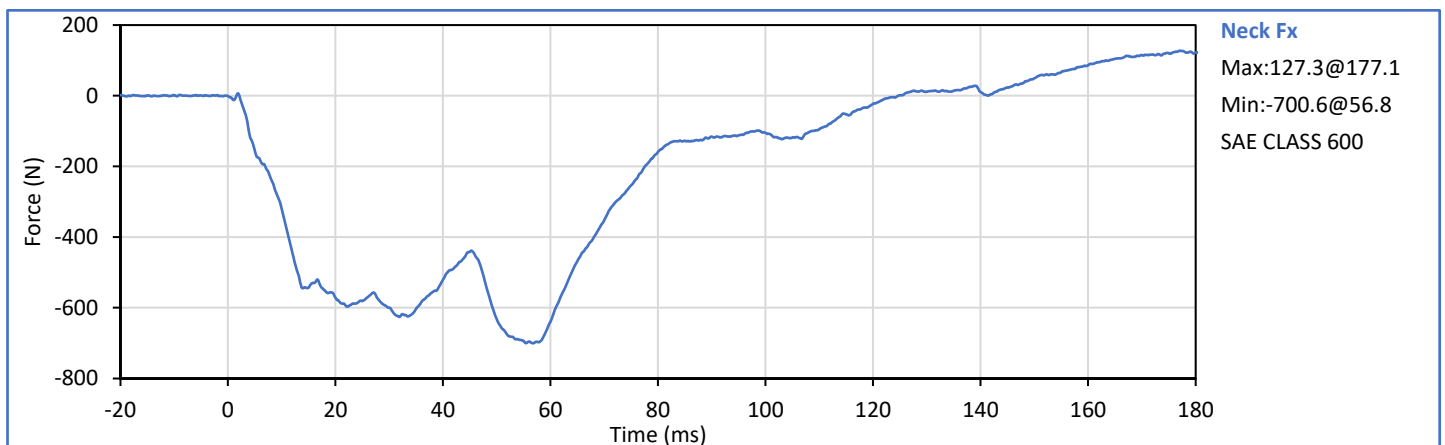
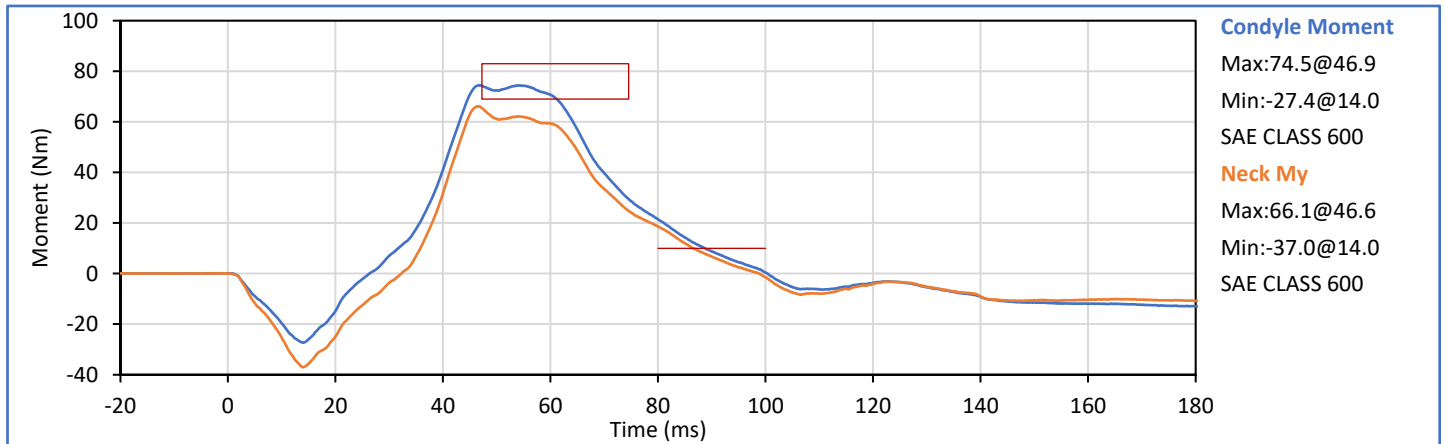
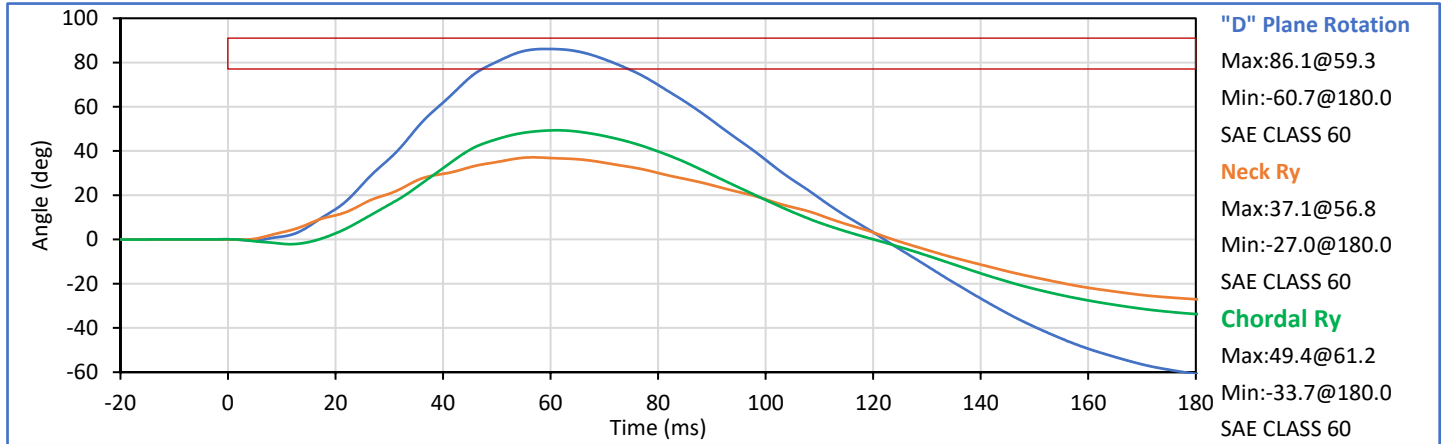
Approved By: J. Hernandez

Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.4	Pass
Laboratory Humidity	%	10	70	33	Pass
Pendulum Velocity	m/s	6.89	7.13	7.02	Pass
Pendulum Velocity at 10 ms	m/s	2.10	2.50	2.40	Pass
Pendulum Velocity at 20 ms	m/s	4.00	5.00	4.81	Pass
Pendulum Velocity at 30 ms	m/s	5.80	7.00	6.95	Pass
Peak "D" Plane Rotation	deg	77.0	91.0	86.1	Pass
Peak Moment in Rotation	Nm	69.0	83.0	74.4	Pass
Positive Moment Decay to 10 Nm	ms	80.0	100.0	88.7	Pass
Overall Test Results					Pass

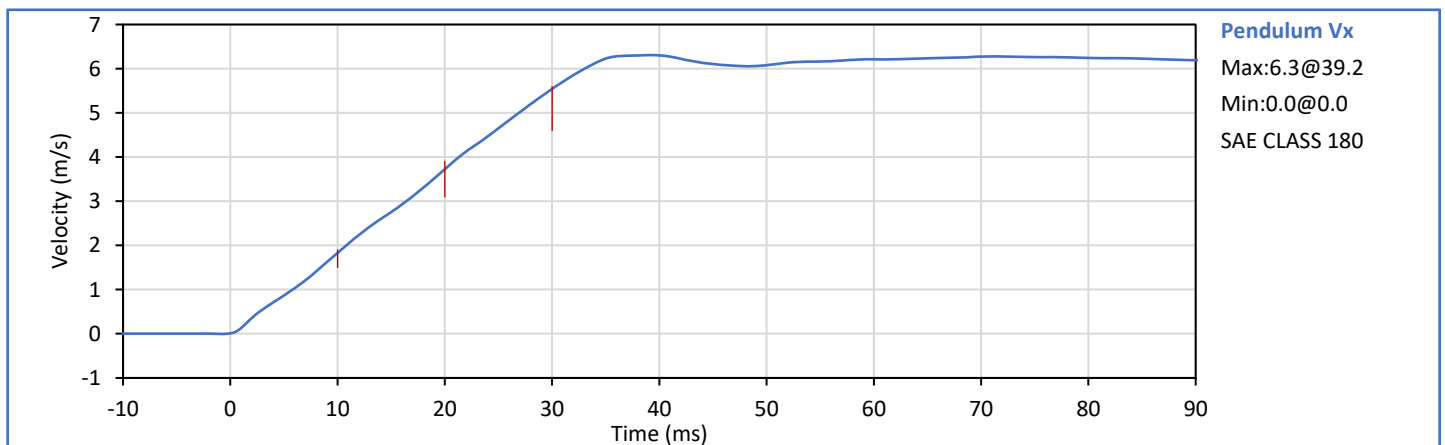
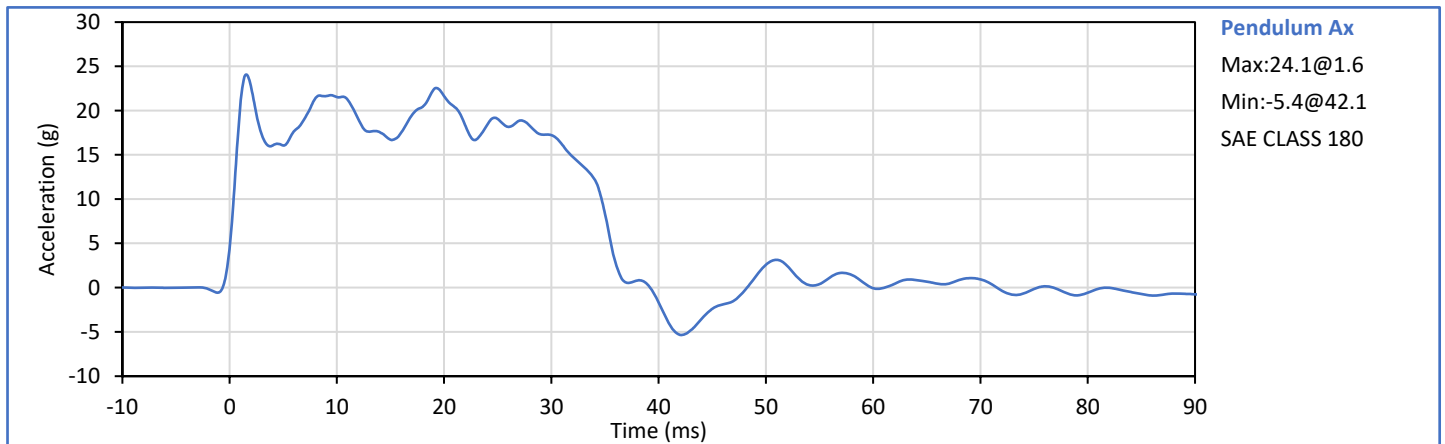


Technician: A. Ponce

Approved By: J. Hernandez

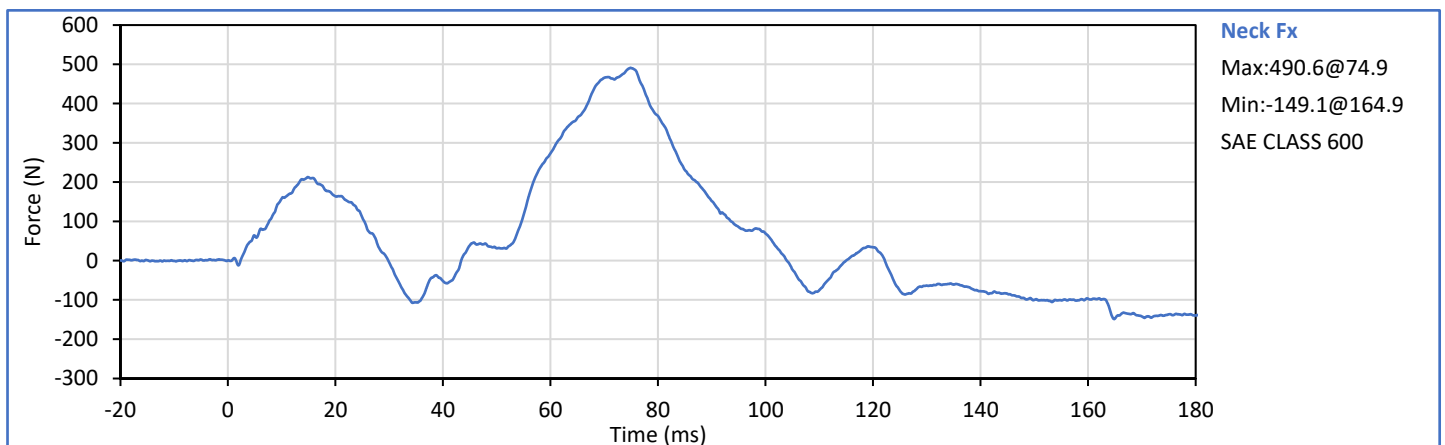
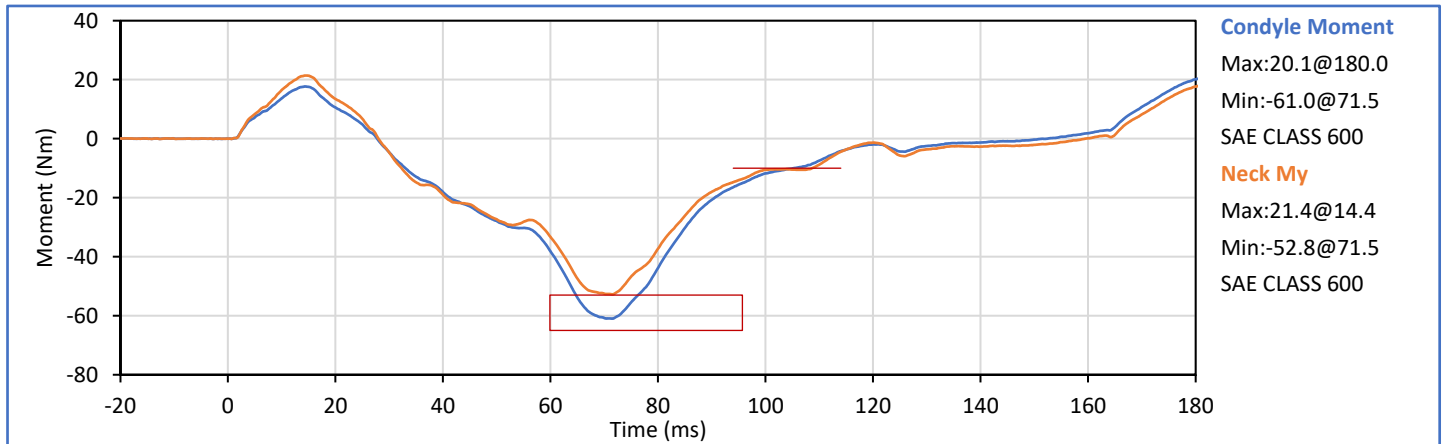
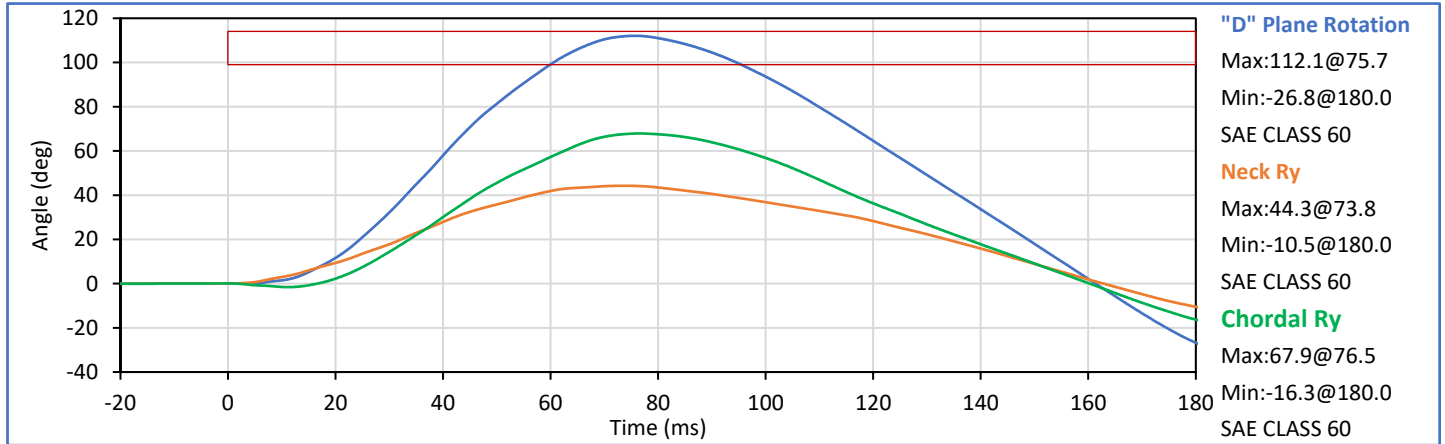


Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Pendulum Velocity	m/s	5.95	6.19	6.03	Pass
Pendulum Velocity at 10 ms	m/s	1.50	1.90	1.83	Pass
Pendulum Velocity at 20 ms	m/s	3.10	3.90	3.73	Pass
Pendulum Velocity at 30 ms	m/s	4.60	5.60	5.54	Pass
Peak "D" Plane Rotation	deg	99.0	114.0	112.1	Pass
Peak Moment in Rotation	Nm	-65.0	-53.0	-61.0	Pass
Negative Moment Decay to -10 Nm	ms	94.0	114.0	105.3	Pass
Overall Test Results					Pass

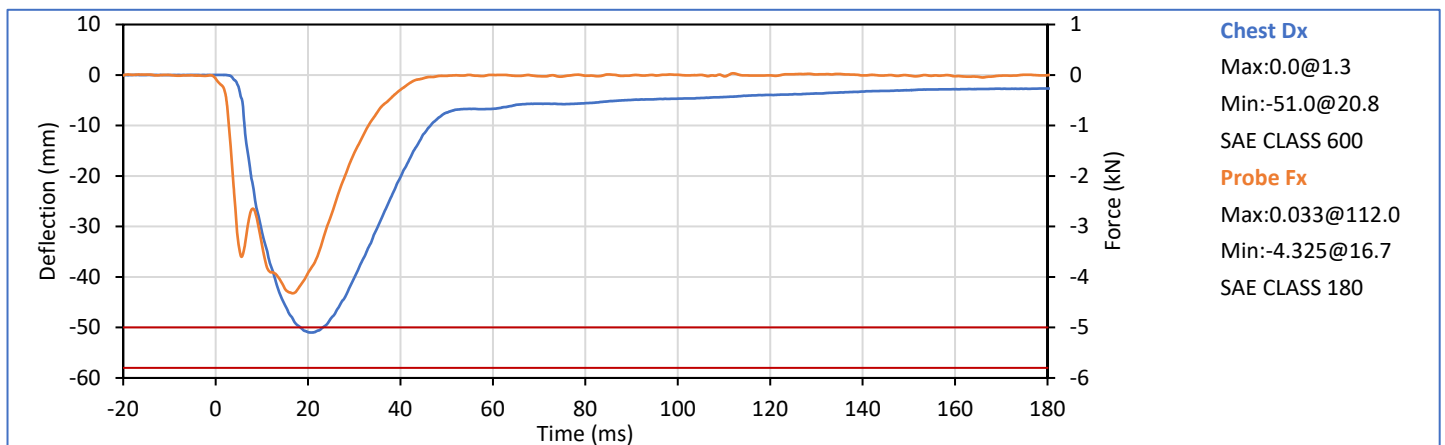
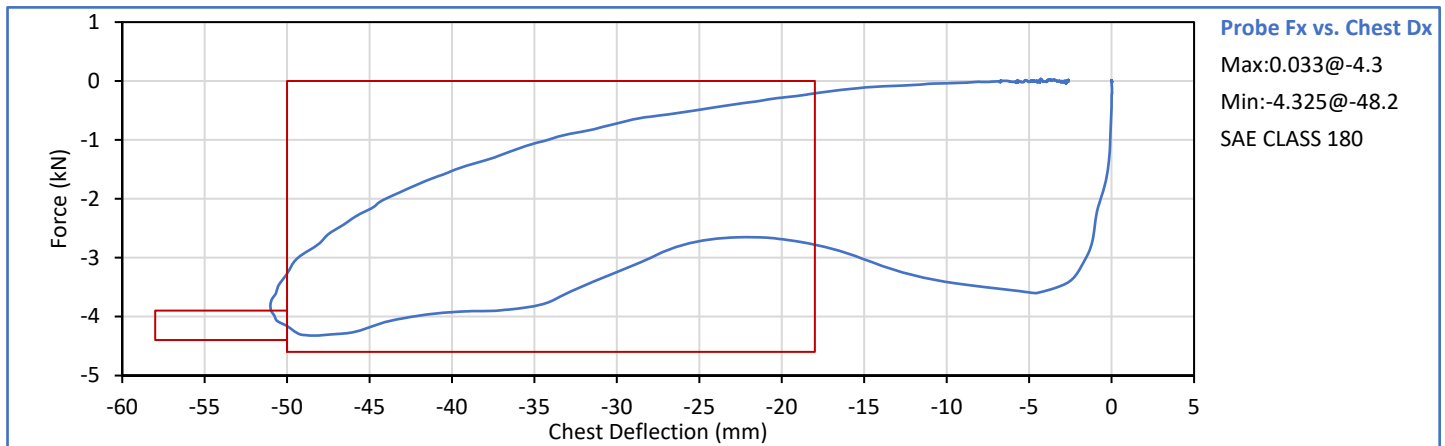


Technician: A. Ponce

Approved By: J. Hernandez



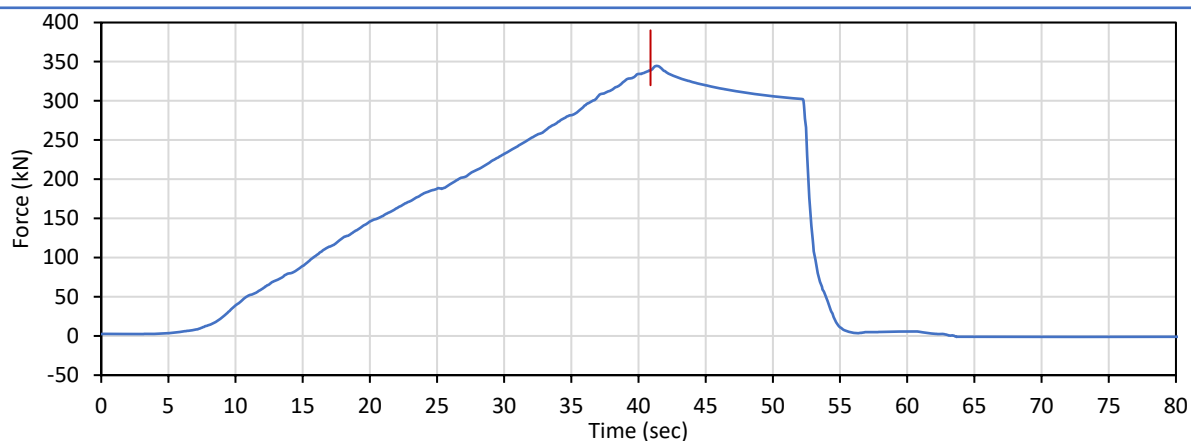
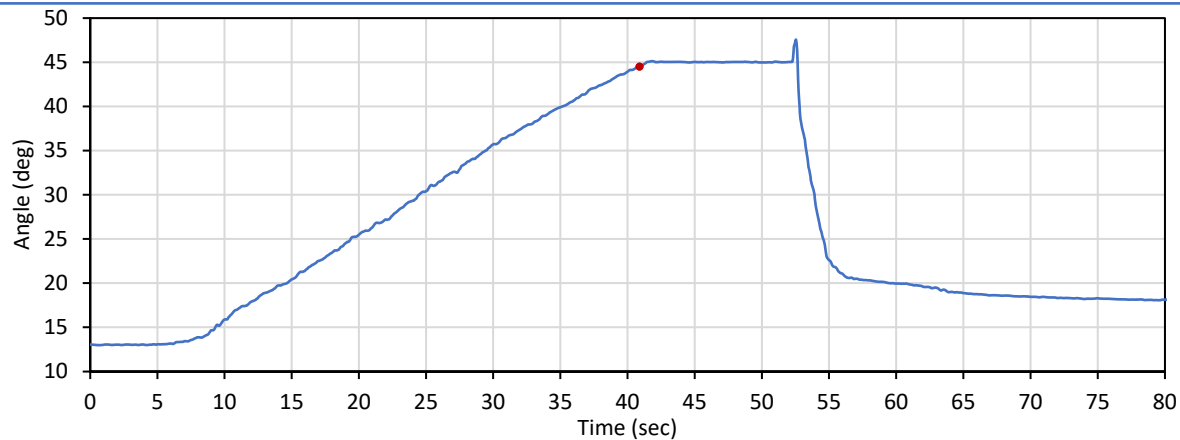
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	20.6	22.2	21.2	Pass
Laboratory RelativeHumidity	%	10	70	34	Pass
Probe Velocity	m/s	6.59	6.83	6.71	Pass
Peak Chest Deflection	mm	-58.0	-50.0	-51.0	Pass
Peak Probe Force, 50 and 58 mm	kN	-4.400	-3.900	-4.164	Pass
Peak Probe Force, 18 and 50 mm	kN	-4.600	0.000	-4.325	Pass
Internal Hysteresis	%	69.0	85.0	75.2	Pass
Overall Test Results				Pass	Pass



Technician: A. Ponce

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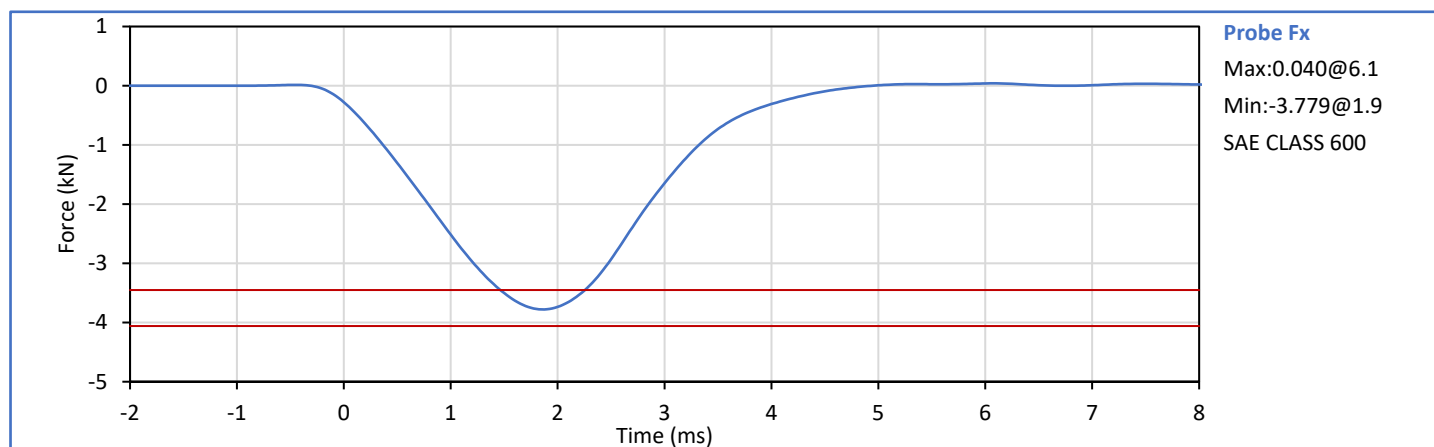
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.1	Pass
Laboratory Humidity	%	10	70	29	Pass
Orientation Angle	deg	0.0	20.0	12.5	Pass
Test Initial Angle	deg	11.0	19.0	13.0	Pass
Peak Force at 45° (+/-0.5°)	N	320.0	390.0	338.9	Pass
Torso Flexion Rate	deg/s	0.50	1.50	0.96	Pass
Final Reference Plane Angle	deg	-8.0	8.0	4.3	Pass
Overall Test Results					Pass



Technician: A. Ponce

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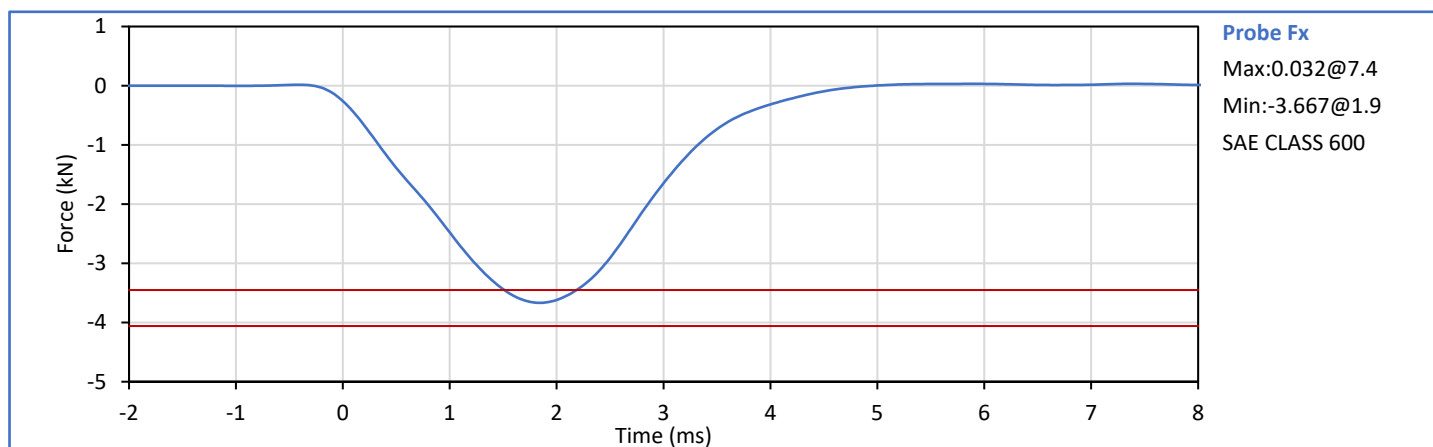
Tested Parameter	Units	Spec. Low	Spec. High	Result	Pass/Fail
Laboratory Temperature	°C	18.9	25.6	21.3	Pass
Laboratory Relative Humidity	%	10	70	33	Pass
Probe Velocity	m/s	2.070	2.130	2.106	Pass
Peak Resistive Force	kN	-4.060	-3.450	-3.779	Pass
Overall Test Results					Pass



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
Probe Velocity	m/s	2.070	2.130	2.105	Pass
Peak Resistive Force	kN	-4.060	-3.450	-3.667	Pass
Overall Test Results					Pass



Technician: A. Ponce

Approved By: J. Hernandez

APPENDIX D
TEST EQUIPMENT AND INSTRUMENTATION CALIBRATION

Table 1 - Driver ATD Instrumentation

Sensor Location	Sensor S\N	Mfr	Model	Cal Date
Head Acceleration X Primary	P49209	Endevco	7264C-2k	2025-05-29
Head Acceleration Y Primary	P49228	Endevco	7264C-2k	2025-05-29
Head Acceleration Z Primary	P50101	Endevco	7264C-2k	2025-05-29
Head Acceleration X Redundant	P50103	Endevco	7264C-2k	2025-05-29
Head Acceleration Y Redundant	P49210	Endevco	7264C-2k	2025-05-29
Head Acceleration Z Redundant	P58713	Endevco	7264C-2k	2025-05-29
Head Rotation Rate X	ARS11283	DTS	ARS PRO-18k (2kHz)	2025-08-05
Head Rotation Rate Y	ARS14935	DTS	ARS PRO-18k (2kHz)	2025-08-05
Head Rotation Rate Z	ARS4062	DTS	ARS PRO-18k (2kHz)	2025-08-05
Upper Neck Force X	287 Fx	FTSS	IF-205	2025-01-30
Upper Neck Force Y	287 Fy	FTSS	IF-205	2025-01-30
Upper Neck Force Z	287 Fz	FTSS	IF-205	2025-01-30
Upper Neck Moment X	287 Mx	FTSS	IF-205	2025-01-30
Upper Neck Moment Y	287 My	FTSS	IF-205	2025-01-30
Upper Neck Moment Z	287 Mz	FTSS	IF-205	2025-01-30
Chest Acceleration X Primary	P52072	Endevco	7264C-2k	2025-05-28
Chest Acceleration Y Primary	P49208	Endevco	7264C-2k	2025-05-28
Chest Acceleration Z Primary	P51264	Endevco	7264C-2k	2025-05-28
Chest Acceleration X Redundant	P49461	Endevco	7264C-2k	2025-05-28
Chest Acceleration Y Redundant	P58774	Endevco	7264C-2k	2025-05-28
Chest Acceleration Z Redundant	P49168	Endevco	7264C-2k	2025-05-28
Chest Deflection	0606 (H3)	Servo	14CBI-3615	2025-05-31
Pelvis Acceleration X	P49238	Endevco	7264C-2k	2025-05-28
Pelvis Acceleration Y	P51278	Endevco	7264C-2KTZ	2025-05-28
Pelvis Acceleration Z	P50087	Endevco	7264C-2k	2025-05-28
Left Femur Force Z	107 (pri)	R.A. Denton	3821JTF	2025-05-30
Right Femur Force Z	138 (pri)	R.A. Denton	3821JTF	2025-05-30
Left Femur Force Z Redundant	107 (red)	R.A. Denton	3821JTF	2025-05-30
Right Femur Force Z Redundant	138 (red)	R.A. Denton	3821JTF	2025-05-30
Left Upper Tibia Moment X	481 Mx	R.A. Denton	3643	2025-01-30
Left Upper Tibia Moment Y	481 My	R.A. Denton	3643	2025-01-30
Left Upper Tibia Force Z	481 Fz	R.A. Denton	3643	2025-01-30
Left Lower Tibia Moment X	DI4209 Mx	FTSS	IF-853	2025-02-04
Left Lower Tibia Moment Y	DI4209 My	FTSS	IF-853	2025-02-04
Left Lower Tibia Force Z	DI4209 Fz	FTSS	IF-853	2025-02-04
Right Upper Tibia Moment X	414 Mx	R.A. Denton	3643	2025-07-10
Right Upper Tibia Moment Y	414 My	R.A. Denton	3643	2025-07-10
Right Upper Tibia Force Z	414 Fz	R.A. Denton	3643	2025-07-10
Right Lower Tibia Moment X	405 Mx	R.A. Denton	3644	2025-07-10
Right Lower Tibia Moment Y	405 My	R.A. Denton	3644	2025-07-10
Right Lower Tibia Force Z	405 Fz	R.A. Denton	3644	2025-07-10
Left Ankle Acceleration X	03E20-N09	Entran	EGEB6Q-2k	2025-05-30
Left Ankle Acceleration Z	P68074	Endevco	7264C-2k	2025-05-30
Left Toe Acceleration Z	0IJ02-F22	Entran	EGEB6Q-2k	2025-06-09
Right Ankle Acceleration X	06E20-R08	Entran	EGEB6Q-2k	2025-05-30
Right Ankle Acceleration Z	06A07-R08	Entran	EGEB6Q-2k	2025-05-30
Right Toe Acceleration Z	02I10-N27	Entran	EGEB6Q-2k	2025-05-30
Seat Belt Outside Lap Force	263	FTSS	IF-964	2025-09-19
Seat Belt Upper Diagonal Force	263	FTSS	IF-964	2025-09-19

Table 2 - Right Front Passenger ATD Instrumentation

Sensor Location	Sensor S/N	Mfr	Model	Cal Date
Head Acceleration X Primary	P51889	Endevco	7264C-2k	2025-10-11
Head Acceleration Y Primary	P51861	Endevco	7264C-2k	2025-10-11
Head Acceleration Z Primary	P52077	Endevco	7264C-2k	2025-10-11
Head Acceleration X Redundant	P58835	Endevco	7264C-2k	2025-10-11
Head Acceleration Y Redundant	P51703	Endevco	7264C-2k	2025-10-11
Head Acceleration Z Redundant	P52096	Endevco	7264C-2k	2025-10-11
Head Rotation Rate X	ARS14907	DTS	ARS PRO-18k (2kHz)	2025-08-05
Head Rotation Rate Y	ARS14936	DTS	ARS PRO-18k (2kHz)	2025-08-05
Head Rotation Rate Z	ARS5968	DTS	ARS PRO-18k (2kHz)	2025-08-05
Upper Neck Force X	2254 Fx	R.A. Denton	1716ATF	2025-01-23
Upper Neck Force Y	2254 Fy	R.A. Denton	1716ATF	2025-01-23
Upper Neck Force Z	2254 Fz	R.A. Denton	1716ATF	2025-01-23
Upper Neck Moment X	2254 Mx	R.A. Denton	1716ATF	2025-01-23
Upper Neck Moment Y	2254 My	R.A. Denton	1716ATF	2025-01-23
Upper Neck Moment Z	2254 Mz	R.A. Denton	1716ATF	2025-01-23
Chest Acceleration X Primary	P58860	Endevco	7264C-2k	2025-10-11
Chest Acceleration Y Primary	P51724	Endevco	7264C-2k	2025-10-11
Chest Acceleration Z Primary	P58711	Endevco	7264C-2k	2025-10-12
Chest Acceleration X Redundant	P52049	Endevco	7264C-2k	2025-10-12
Chest Acceleration Y Redundant	P49241	Endevco	7264C-2k	2025-10-11
Chest Acceleration Z Redundant	P52048	Endevco	7264C-2k	2025-10-12
Chest Deflection	0724 (HF)	Servo	14CBI-3615	2025-05-23
Pelvis Acceleration X	P52090	Endevco	7264C-2k	2025-10-12
Pelvis Acceleration Y	P58849	Endevco	7264C-2k	2025-10-12
Pelvis Acceleration Z	P58756	Endevco	7264C-2k	2025-10-12
Left Femur Force Z	DS4137 (pri)	Humanetics	3821JLN2	2025-01-23
Right Femur Force Z	DS9756 (pri)	Humanetics	3821JLN2	2025-01-23
Left Femur Force Z Redundant	DS4137 (red)	Humanetics	3821JLN2	2025-01-23
Right Femur Force Z Redundant	DS9756 (red)	Humanetics	3821JLN2	2025-01-23
Left Upper Tibia Moment X	468 Mx	R.A. Denton	3643	2025-05-15
Left Upper Tibia Moment Y	468 My	R.A. Denton	3643	2025-05-25
Left Upper Tibia Force Z	468 Fz	R.A. Denton	3643	2025-05-15
Left Lower Tibia Moment X	499 Mx	R.A. Denton	3644	2025-05-15
Left Lower Tibia Moment Y	499 My	R.A. Denton	3644	2025-05-15
Left Lower Tibia Force Z	499 Fz	R.A. Denton	3644	2025-05-15
Right Upper Tibia Moment X	DH3302 Mx	FTSS	IF-857	2025-05-15
Right Upper Tibia Moment Y	DH3302 My	FTSS	IF-857	2025-05-15
Right Upper Tibia Force Z	DH3302 Fz	FTSS	IF-857	2025-05-15
Right Lower Tibia Moment X	399 Mx	R.A. Denton	3644	2025-05-15
Right Lower Tibia Moment Y	399 My	R.A. Denton	3644	2025-05-15
Right Lower Tibia Force Z	399 Fz	R.A. Denton	3644	2025-05-15
Left Ankle Acceleration X	P49224	Endevco	7264C-2k	2025-05-06
Left Ankle Acceleration Z	P52057	Endevco	7264C-2k	2025-05-06
Left Toe Acceleration Z	P58897	Endevco	7264C-2k	2025-05-06
Right Ankle Acceleration X	P52019	Endevco	7264C-2k	2025-05-06
Right Ankle Acceleration Z	P58755	Endevco	7264C-2k	2025-05-06
Right Toe Acceleration Z	P52076	Endevco	7264C-2k	2025-05-06
Seat Belt Outside Lap Force	315	FTSS	IF-964	2025-10-04
Seat Belt Upper Diagonal Force	251	FTSS	IF-964	2025-09-19

Table 3 - Vehicle Instrumentation

Sensor Location	Sensor S\N	Mfr	Model	Cal Date
Left Rear Primary Ax	M11076	Endevco	758H-2k	2025-08-31
Right Rear Primary Ax	M14392	Endevco	7264HM6-2k-360	2025-11-12
Engine Top Ax	M11235	Endevco	758H-2k	2025-07-27
Engine Bottom Ax	M13704	Endevco	758H-2k	2025-11-02
Left Rear Az	M14396	Endevco	7264HM6-2k-360	2025-07-27
Right Rear Az	M11140	Endevco	758H-2k	2025-08-31
Left Rear Redundant Ax	M11098	Endevco	758H-2k	2025-08-31
Right Rear Redundant Ax	M11070	Endevco	758H-2k	2025-06-22