

Final Report Number: NCAP-TRC-25-003

New Car Assessment Program (NCAP)

Frontal Barrier Impact Test

GENERAL MOTORS LLC

2025 Chevrolet Tahoe

NHTSA Number: M20250107

PREPARED BY:

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Report Date: September 30, 2025

FINAL REPORT

Prepared For:

U. S. DEPARTMENT OF TRANSPORTATION

National Highway Traffic Safety Administration

Office of Crashworthiness Standards

1200 New Jersey Ave, SE

Washington, DC 20590

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Prepared By: ILO Project Operations Group

Approved By: John Shultz

Approval Date: September 30, 2025

FINAL REPORT ACCEPTANCE BY OCWS:

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

Date _____

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

Date _____

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16. Abstract A 56.3 km/h NCAP Frontal Impact Test was conducted on a 2025 Chevrolet Tahoe, in accordance with the specifications of the Office of Crashworthiness Standards Laboratory Procedure for NCAP Full Frontal Rigid Barrier Impact Testing. The test was conducted at the Transportation Research Center Inc. in East Liberty, Ohio on April 29, 2025. The impact velocity was 56.47 km/h, and the ambient temperature at the barrier face at the time of impact was 21.1° C. The target vehicle post-test maximum crush was 425 millimeters at vehicle C3. The test vehicle's performance is as follows:																																																																												
<table border="1"> <thead> <tr> <th></th><th colspan="3">Driver ATD</th><th colspan="3">Passenger ATD</th></tr> <tr> <th>Measurement Description</th><th>Units</th><th>Threshold</th><th>Result</th><th>Units</th><th>Threshold</th><th>Result</th></tr> </thead> <tbody> <tr> <td>Head Injury Criteria (HIC₁₅)</td><td>NA</td><td>700</td><td>264.630</td><td>NA</td><td>700</td><td>257.330</td></tr> <tr> <td>Maximum Chest Compression</td><td>mm</td><td>63</td><td>-20.690</td><td>mm</td><td>52</td><td>-13.820</td></tr> <tr> <td>3ms Chest Clip</td><td>Gs</td><td>60</td><td>46.290</td><td>Gs</td><td>60</td><td>36.870</td></tr> <tr> <td>Nij</td><td>NA</td><td>1</td><td>0.221</td><td>NA</td><td>1</td><td>0.351</td></tr> <tr> <td>Neck Tension</td><td>Newtons</td><td>4170</td><td>1113.150</td><td>Newtons</td><td>2620</td><td>896.360</td></tr> <tr> <td>Neck Compression</td><td>Newtons</td><td>4000</td><td>-299.170</td><td>Newtons</td><td>2520</td><td>-400.260</td></tr> <tr> <td>Left Femur Force</td><td>Newtons</td><td>10008</td><td>-867.020</td><td>Newtons</td><td>6805</td><td>-1755.880</td></tr> <tr> <td>Right Femur Force</td><td>Newtons</td><td>10008</td><td>-258.300</td><td>Newtons</td><td>6805</td><td>-877.250</td></tr> </tbody> </table>								Driver ATD			Passenger ATD			Measurement Description	Units	Threshold	Result	Units	Threshold	Result	Head Injury Criteria (HIC ₁₅)	NA	700	264.630	NA	700	257.330	Maximum Chest Compression	mm	63	-20.690	mm	52	-13.820	3ms Chest Clip	Gs	60	46.290	Gs	60	36.870	Nij	NA	1	0.221	NA	1	0.351	Neck Tension	Newtons	4170	1113.150	Newtons	2620	896.360	Neck Compression	Newtons	4000	-299.170	Newtons	2520	-400.260	Left Femur Force	Newtons	10008	-867.020	Newtons	6805	-1755.880	Right Femur Force	Newtons	10008	-258.300	Newtons	6805	-877.250
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17. Key Words 56.3 km/h (35 mph) Full Frontal Rigid Barrier Impact Test New Car Assessment Program (NCAP)			18. Distribution Statement Copies of this report are available from: National Highway Traffic Safety Administration Technical Information Services Division 1200 New Jersey Ave, SE Washington, DC 20590																																																																									
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SECTION 1: PURPOSE AND SUMMARY OF THE 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 No. 693JJ919D000007. The purpose of this test was to obtain vehicle crashworthiness and occupant restraint system performance data for consumer information purposes.

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

SUMMARY

A load cell barrier consisting of 176 load cells was impacted by a 2025 Chevrolet Tahoe at a velocity of 56.47 km/h. The test was performed at Transportation Research Center, Inc. on April 29, 2025. Pre- and post-test photographs of the vehicle and dummies can be found in Appendix A.

One real-time camera and 16 high-speed cameras were used to document the frontal barrier impact event. Camera locations and other pertinent camera information can be found in this report.

One Part 572E 50th percentile male anthropomorphic test device (ATD) was placed in the driver seating position and one Part 572O 5th percentile female ATD was placed in the right-front passenger 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 transducers, femur load cells, and lower leg instrumentation.

The driver (position 1) ATD (Serial No. 037), and the right-front passenger (position 2) ATD (Serial No. DH1659) 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 data were recorded on an on-board data acquisition system. Appendix B contains the vehicle, load cell barrier and dummy response data traces.

There was 100.0 percent windshield retention and no intrusion into the protected zone of the windshield during the event. There was no Stoddard solvent leakage (or electrolyte spillage) after the event or during any phase of the static rollover.

The maximum static crush of the vehicle was 425 mm and 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: front airbag, headrest, side curtain airbag, and knee bolster. The passenger's visible contact points were as follows: front airbag, headrest, and knee bolster.

The occupant data is summarized below:

ATD Position	HIC ₁₅	Nij	Neck Tension (N)	Neck Compression (N)	3 ms Chest Clip (Gs)	Chest Disp (mm)	Left Femur (N)	Right Femur (N)
Driver (50 th Male)	264.630	0.221	1113.150	-299.170	46.290	-20.690	-867.020	-258.300
Passenger (5 th Female)	257.330	0.351	896.360	-400.260	36.870	-13.820	-1755.880	-877.250

TEST COMMENTS:

Passenger Right Femur Force Z Red CF 20
Left Rear Seat Crossmember X CF 25
Right Rear Seat Crossmember X CF 54
Top of Engine X CF 59
Left Rear Seat Crossmember Z CF 26
Right Rear Seat Crossmember Z CF 57
Left Rear Seat Crossmember X Redundant CF 55
Right Rear Seat Crossmember X Redundant CF 55

SECTION 2: DATA SHEETS

DATA SHEET NO. 1 - GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2025 Chevrolet Tahoe
 Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
 Test Date: 4/29/2025

TEST VEHICLE INFORMATION

NHTSA No.	M20250107
Model Year	2025
Make	Chevrolet
Model	Tahoe
Body Style	MPV
VIN	1GNS6MRD0SR165122
Body Color	Black
Odometer Reading (km/mi)	8 mi
Engine Displacement (L)	5.3
Type/No. Cylinders	V8
Engine Placement	Inline
Transmission Type	Automatic
Transmission Speeds	10
Overdrive	Yes
Final Drive	4WD
Roof Rack	Yes
Sunroof/T-Top	No
Running Boards	Yes
Tilt Steering Wheel	Yes
Power Seats	Yes
Anti-Lock Brakes (ABS)	Yes
Automatic Door Locks (ADLs)	Yes

TEST VEHICLE OPTIONS

Traction Control System (TCS)	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	No
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 Pretensioner	Yes
Driver Load Limiter	Yes
Front Pass. Pretensioner	Yes
Front Pass. Load Limiter	Yes
Other: Front Center Airbag	Yes

Does owner's manual provide instructions to turn off automatic door locks? No

DATA FROM CERTIFICATION LABEL

Manufactured by	GENERAL MOTORS LLC	GVWR (kg)	3447 (7600 LB)
Date of Manufacture		GAWR Front (kg)	1678 (3700 LB)
		GAWR Rear (kg)	1950 (4300 LB)

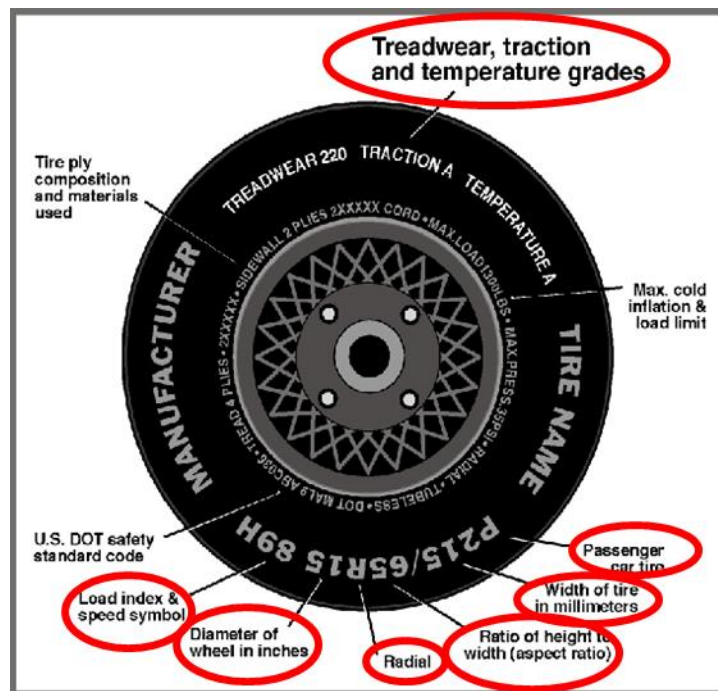
VEHICLE SEATING AND WEIGHT CAPACITY

Measured Parameter	Front	Rear	Third	Total
Type of Seats	Bucket	Split Bench	Split Bench	
Number of Occupants	2	3	3	8
Capacity Wt. (VCW) (kg)				794.0
Cargo Wt. (RCLW) (kg)				250.0

DATA SHEET NO. 1 - GENERAL TEST AND VEHICLE PARAMETER DATA (CONT'D)

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025



DATA FROM TIRE PLACARD

Measured Parameter	Front	Rear
Maximum Tire Pressure (kPa)	300	300
Cold Test Pressure (kPa)	240	240
Recommended Tire Size	275/60R20	275/60R20
Tire Size on Vehicle	275/60R20	275/60R20
Tire Manufacturer	Continental	Continental
Tire Model	CrossContact	CrossContact
Treadwear	740	740
Traction Grade	A	A
Temperature Grade	B	B
Tire Plies Sidewall	2	2
Tire Plies Body	5	5
Load Index/Speed Symbol	115T	115T
Tire Material	Polyester, Steel, Polyamide	Polyester, Steel, Polyamide
DOT Safety Code Right	1A3 0F9U1 4224	1A3 0F9U1 4224
DOT Safety Code Left	1A3 0F9U1 4224	1A3 0F9U1 4224

DATA SHEET NO. 1 - GENERAL TEST AND VEHICLE PARAMETER DATA (CONT'D)

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

TEST VEHICLE WEIGHTS

	Units	As Delivered (UVW) (Axle)			As Tested (ATW) (Axle)		
		Front	Rear	Total	Front	Rear	Total
Left	kg	661.2	645.2		705.2	751.8	
Right	kg	664.2	640.8		672.2	751.2	
Ratio	%	50.8	49.2		47.8	52.2	
Totals	kg	1325.4	1286.0	2611.4	1377.4	1503.0	2880.4

TARGET TEST WEIGHT CALCULATION

Measured Parameter	Units	Value
Total Delivered Weight (UVW)	kg	2611.4
Weight of 1 P572E ATD & 1 P572O ATD	kg	139.3
Rated Cargo/Luggage Weight (RCLW) ¹	kg	136.0
Vehicle Target Weight (TVTW)	kg	2886.7

TEST VEHICLE ATTITUDES AND CG

	Units	LF	RF	LR	RR	CG (aft of front)
As Delivered	mm	956	950	959	962	1512
As Tested	mm	945	944	933	930	1602
Post Test	mm	931	939	972	969	

GENERAL TEST VEHICLE DATA

Measurement Description	Units	Value
Test Vehicle Wheelbase	mm	3070
Total Vehicle Length at Left Side	mm	5252
Total Vehicle Length at Centerline	mm	5342
Total Vehicle Length at Right Side	mm	5250
Weight of Ballast in Cargo Area	kg	190
Weight of Vehicle Components Removed	kg	0.0
Amount of Stoddard Solvent in Fuel Tank	liters	84.5

LIST OF COMPONENTS REMOVED TO MEET TEST WEIGHT: None

¹ Rated cargo and luggage weight limited to 136.0 kg or 300.0 lbs

**DATA SHEET NO. 1 - GENERAL TEST AND VEHICLE PARAMETER DATA
(CONT'D)**

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

TARGET VEHICLE STRUCTURAL MEASUREMENT

	Elements	Pre-Test (mm)
1	Total Length	5342
2	Total Width	2034
3	Bumper Top Height	740
4	Bumper Bottom Height	400
5	Longitudinal Member Top Height	765
6	Distance Between Longitudinal Members	673
7	Longitudinal Member Width	103
8	Engine Top Height	1175
9	Engine Bottom Height	290
10	Engine and Gearbox Width	650
11	Front Bumper-Engine Distance	720
12	Front Shock Absorber Fixing Height	837
13	Bonnet Leading Edge Height	1147
14	Front Shock Absorber Fixing Width	845
15	Front Bumper – Front Axle Distance	962
16	Front Axle – A-Pillar Distance	600
17	A-Pillar – B-Pillar Distance	1150
18	B-Pillar – Rear Axle Distance	1310
19	B-Pillar – C-Pillar Distance	1130
20	Roof Sill Bottom Height	1852
21	Roof Sill Top Height	1882
22	Floor Sill Bottom Height	567
23	Floor Sill Top Height	623

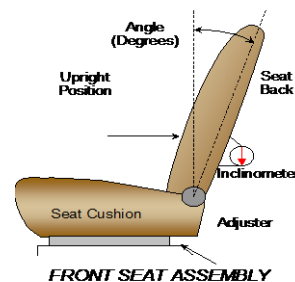
DATA SHEET NO. 2 - SEAT ADJUSTMENT, FUEL SYSTEM AND STEERING WHEEL DATA

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

NORMAL DESIGN RIDING POSITION

For adjustable driver and passenger seat backs. Please describe how to position the inclinometer to measure the seat back angle. Include description of the location of the adjustment latch detent, if applicable



	Degree
Driver Seat back angle:	11.4
Passenger Seat back angle:	14.6

SEAT FORE/AFT POSITIONS

Describe the method of determining seat fore/aft positions.

Driver: Mid position, Positioned according to Form 1

Passenger: Full forward, Positioned according to Form 1

	Total Fore/Aft Travel	Placed in Position No.
Driver Seat	310	155
Passenger Seat	260	0

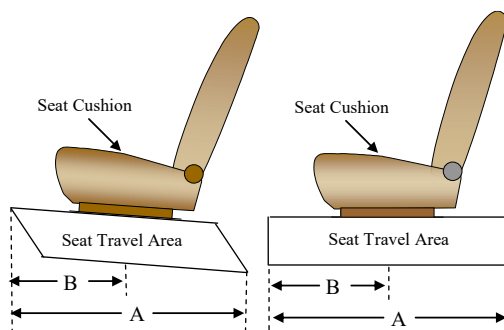
SEAT BELT UPPER ANCHORAGE

Describe the method of positioning seat belt upper anchorages.

Driver: One below uppermost, Positioned according to Form 1

Passenger: One below uppermost, Positioned according to Form 1

	Total No. of Positions	Placed in Position No.
Driver Seat	4	0
Passenger Seat	4	0



DATA SHEET NO. 2 - SEAT ADJUSTMENT, FUEL SYSTEM AND STEERING WHEEL DATA (CONT'D)

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

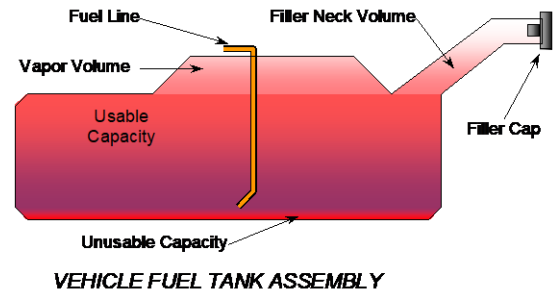
NHTSA No.: M20250107
Test Date: 4/29/2025

FUEL TANK CAPACITY

	Liters
Usable Capacity of "Standard Tank"	90.8
Usable Capacity of "Optional Tank"	N/A
92%-94% of Usable Capacity	84.5
Actual Amount of Solvent Used	84.5
1/3 of Usable Capacity	30.3

Describe the fuel system - what type of fuel pump, details about how it operates, etc.

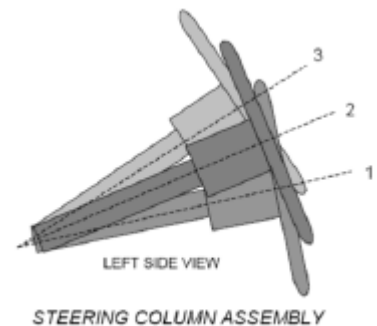
Fuel pump will run for approximately 3 seconds when the key or push start button is switched to "On" position, then, it will stop and will not resume operation unless the engine is cranking or running



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. Describe how this measurement was taken.

Steel square was placed across the rim of the steering wheel, an inclinometer was placed on plate and the angle was measured. Telescope travel was measured full in and full out and set at the midpoint.



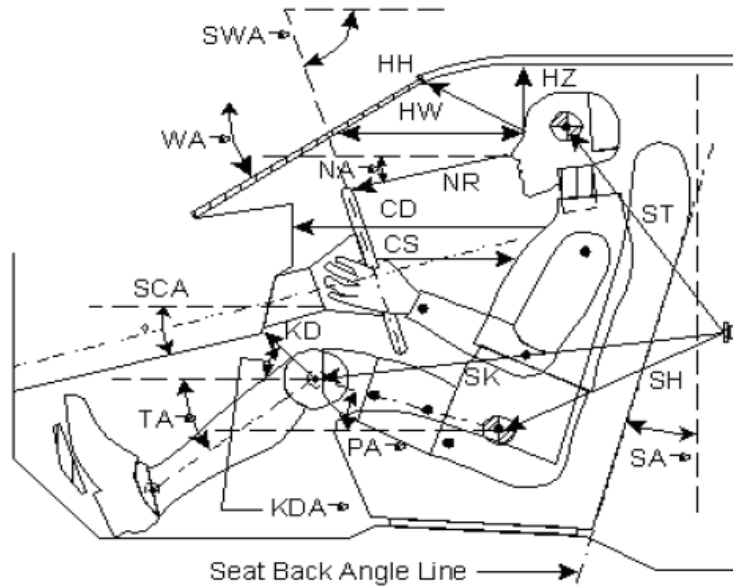
STEERING COLUMN POSITIONS

	Degrees	Fore/Aft Position (mm)
Lowermost Position No. 1	20.2	
Geometric Center Position No. 2	22.1	
Uppermost Position No. 3	24.0	
Telescoping Steering Wheel Travel		52
Test Position	22.1	26

DATA SHEET NO. 3 - DUMMY LONGITUDINAL CLEARANCE DIMENSIONS

Test Vehicle: 2025 Chevrolet Tahoe
 Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
 Test Date: 4/29/2025

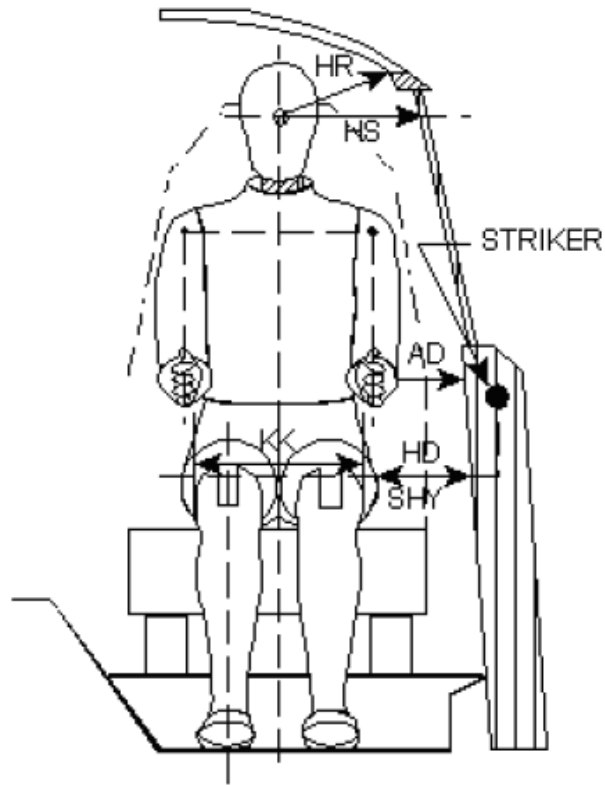


Code	Measurement Description	Driver		Passenger	
		Length (mm)	Angle (°)	Length (mm)	Angle (°)
WA°	Windshield Angle		57.0		
SWA°	Steering Wheel Angle		22.1		
SCA°	Steering Column Angle		22.1		
SA°	Seat Back Angle (on head rest post)		11.4		14.6
HZ	Head to Roof (Z)	283		328	
HH	Head to Header	512		431	
HW	Head to Windshield	840		791	
NR	Nose to Rim	438	7.4		
CD	Chest to Dash	650		381	
CS	Chest to Steering Hub	362			
RA	Rim to Abdomen	244			
KDL	Left Knee to Dash	227	0.0	153	0.0
KDR	Right Knee to Dash	192	0.0	158	0.0
PA°	Pelvic Angle		24.3		21.4
TA°	Tibia Angle		49.6		65.8
SK	Striker to Knee	668	1.6	752	1.0
ST	Striker to Head	670	61.0	630	51.9
SH	Striker to H-Point	354	16.0	485	10.9

DATA SHEET NO. 4 - DUMMY LATERAL CLEARANCE DIMENSIONS

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

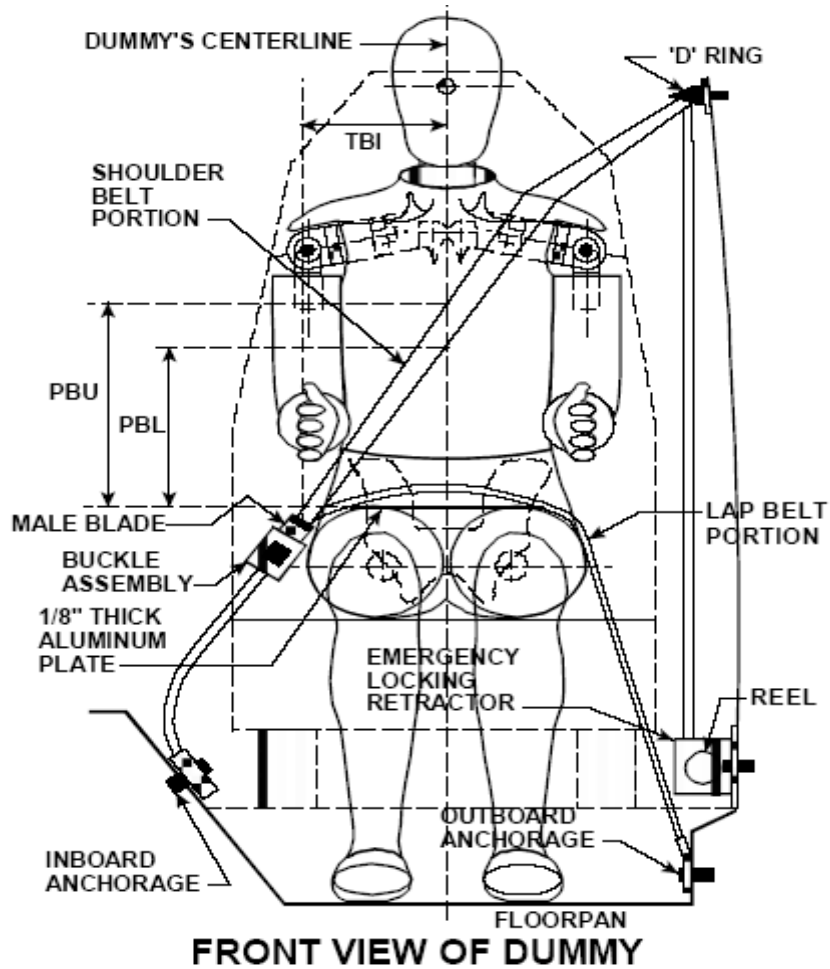


Code	Measurement Description	Driver	Passenger
AD	Arm to Door	152	95
HD	H-Point to Door	150	185
HR	Head to Side Header	292	346
HS	Head to Side Window	360	407
KK	Knee to Knee	270	165
SHY	Striker to H-Point (Y Direction)	255	315
AA	Ankle to Ankle	295	165

DATA SHEET NO. 5 - SEAT BELT POSITIONING DATA

Test Vehicle: 2025 Chevrolet Tahoe
 Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
 Test Date: 4/29/2025



SEAT BELT POSITIONING MEASUREMENTS

Measurement Description	Units	Driver	Passenger
PBU – Top surface of reference to belt upper edge	mm	360	320
PBL – Top surface of reference to belt lower edge	mm	280	240

BELT LENGTH DATA

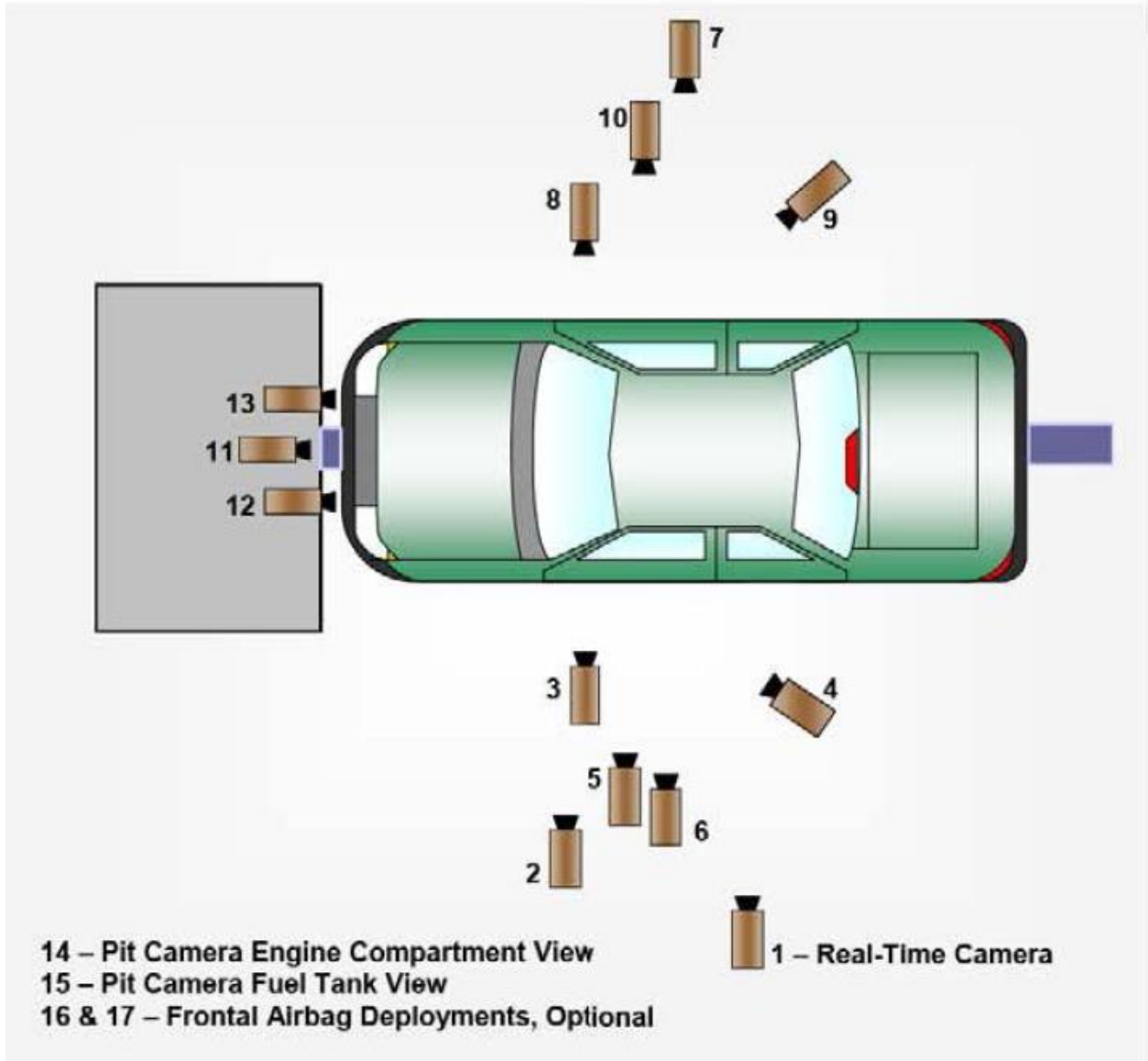
Measurement Description	Units	Driver	Passenger
Shoulder belt length as measured on ATD	mm	640	930
Lap belt length as measured on ATD	mm	845	720
Remainder of belt on reel	mm	1205	260
Total belt length for continuous webbing systems	mm	2690	1910

DATA SHEET NO. 6 - HIGH SPEED CAMERA LOCATIONS AND DATA

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

CAMERA POSITIONS FOR FRONTAL IMPACTS



**DATA SHEET NO. 6 - HIGH SPEED CAMERA LOCATIONS AND DATA
(CONT'D)**

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

CAMERA LOCATIONS

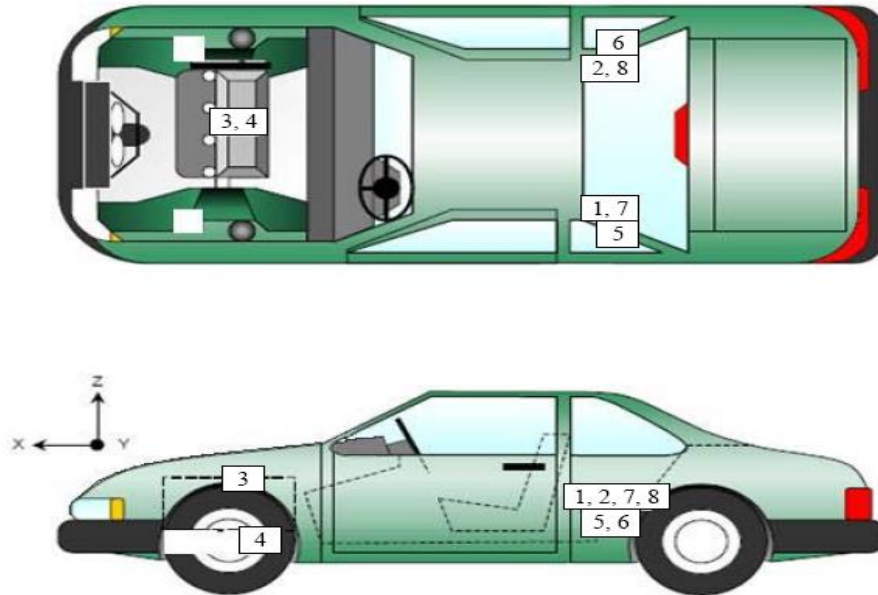
No.	Camera View	Location (mm)			Lens (mm)	Frame Speed (fps)
		X	Y	Z		
1	REAL-TIME LEFT OVERALL	-685	-5551	-1475	Zoom	30
2	LEFT OVERALL	-2696	-3892	-1486	8.5	1000
3	DRIVER CLOSE-UP	-2491	-5278	-1587	50	1000
4	LEFT FRONT HALF	-1298	-5862	-1406	25	1000
5	LEFT ANGLE	-3741	-2474	-1687	20	1000
6	STEERING COLUMN	-2582	-5278	-1486	50	1000
7	RIGHT OVERALL	-2458	4453	-1403	8.5	1000
8	PASSENGER CLOSE-UP	-1992	5241	-1513	50	1000
9	RIGHT FRONT HALF	-1300	4837	-1274	25	1000
10	RIGHT ANGLE	-3052	2257	-1746	20	1000
11	WINDSHIELD	0	0	-2648	20	1000
12	DRIVER WINDSHIELD	0	-310	-2640	25	1000
13	PASSENGER WINDSHIELD	0	205	-2641	25	1000
14	PIT FRONT	-881	0	3021	20	1000
15	PIT REAR	-3109	0	3049	20	1000
16	DRIVER ONBOARD				8.5	1000
17	PASSENGER ONBOARD				8.5	1000

Reference Points: +X – forward of impact plane
+Y – right of monorail center
+Z – into ground

DATA SHEET NO. 7 - VEHICLE ACCELEROMETER LOCATIONS

Test Vehicle: 2025 Chevrolet Tahoe
 Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
 Test Date: 4/29/2025



VEHICLE ACCELEROMETER PRE-TEST LOCATIONS

No.	Accelerometer Location	Measurements (mm)		
		X	Y	Z
1	Left Rear Accelerometer – X Direction	2225	-541	-683
2	Right Rear Accelerometer – X Direction	2215	543	-675
3	Engine Top X	4342	49	-1188
4	Engine Bottom X	4081	37	-275
5	Left Rear Accelerometer – Z Direction	2225	-541	-683
6	Right Rear Accelerometer – Z Direction	2215	543	-675
7	Left Rear Accelerometer – X Direction Redundant	2232	-571	-675
8	Right Rear Accelerometer- X Direction Redundant	2223	574	-663

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

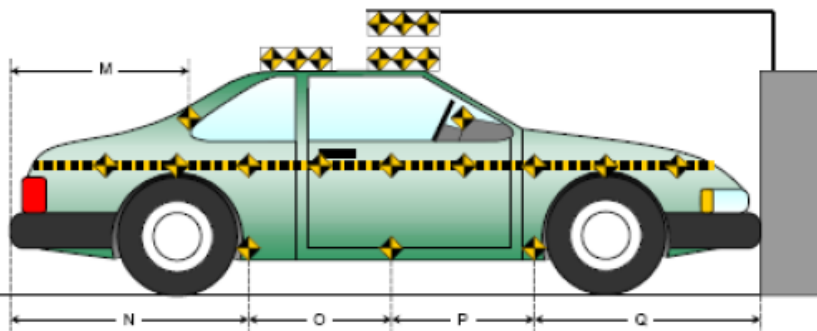
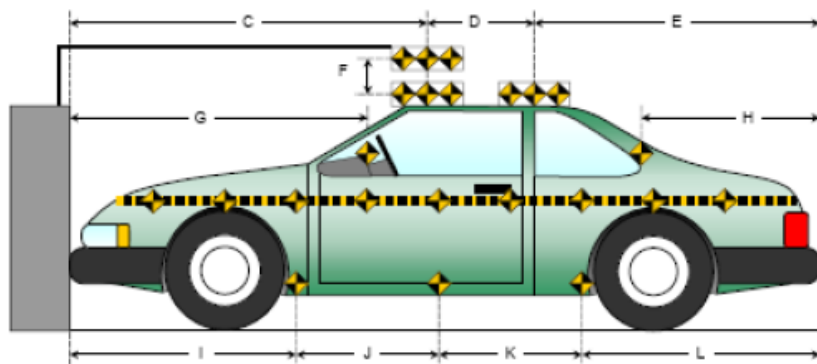
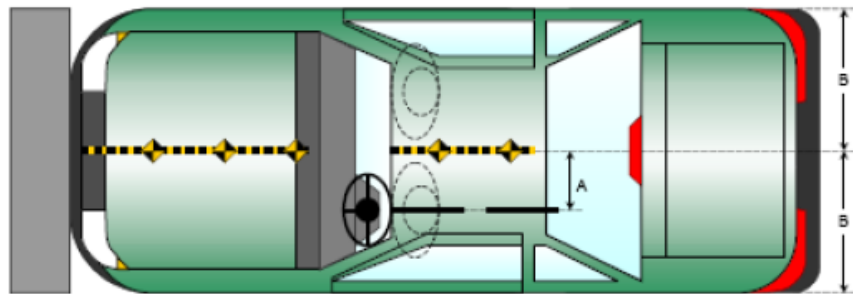
DATA SHEET NO. 8 - PHOTOGRAPHIC REFERENCE TARGET LOCATIONS

Test Vehicle: 2025 Chevrolet Tahoe
 Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
 Test Date: 4/29/2025

Item	Value
A	485
B	1017
C	2418
D	600
E	2324
F	300
G	1834
H	1452
I	1494
J	990
K	1001
L	1857
M	1416
N	1862
O	990
P	997
Q	1493

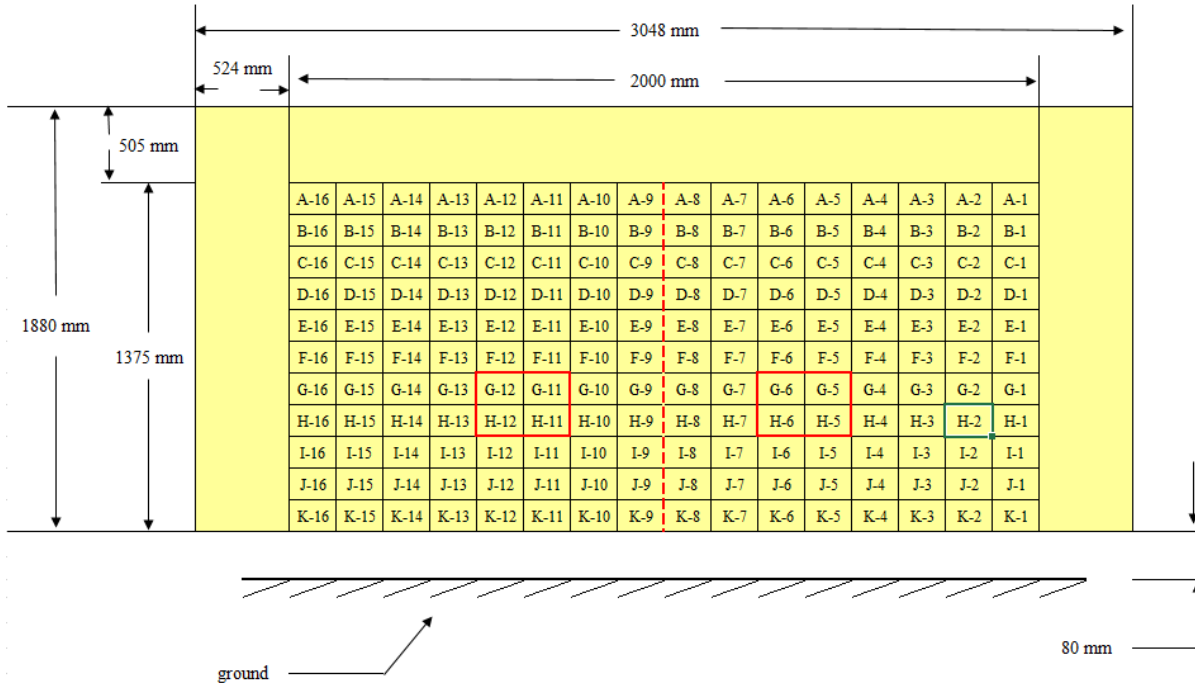
All units in millimeters



DATA SHEET NO. 9 - LOAD CELL LOCATIONS ON FIXED BARRIER

Test Vehicle: 2025 Chevrolet Tahoe
 Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
 Test Date: 4/29/2025



NOT TO SCALE

*G5, 6 & H5, 6 as well as G11, 12 & H11, 12 were combined with one large block

DATA SHEET NO. 10 - TEST VEHICLE SUMMARY OF RESULTS

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

INSTRUMENTATION

Instrumentation	Number of Channels Collected
Driver Dummy Accelerometers	47
Passenger Dummy Accelerometers	47
Vehicle Structure Accelerometers	8
Total	102

CAMERA COVERAGE

Type of Camera	Number Used in this Test
High-Speed Vehicle Onboard	2
High-Speed Offboard	14
Real-Time Panning	2
Total	18

DATA SHEET NO. 11 - POST-TEST OBSERVATIONSTest Vehicle: 2025 Chevrolet TahoeNHTSA No.: M20250107Test Program: NCAP Frontal ImpactTest Date: 4/29/2025**TEST DUMMY INFORMATION AND CONTACT LOCATIONS**

Description	Driver	Passenger
Dummy Type / Serial No.	Hybrid III 50th / 037	Hybrid III 5th / DH1659
Head Contact	Frontal Airbag, Head Rest	Frontal Airbag, Head Rest
Upper Torso Contact	None	None
Lower Torso Contact	None	None
Left Knee Contact	Knee Bolster	Knee Bolster
Right Knee Contact	Knee Bolster	Knee Bolster

DOOR OPENING, TRUNK OPENING, AND SEAT TRACK INFORMATION

Description	Driver	Passenger	Other
Locked/Unlocked Doors	Unlocked	Unlocked	
Front Door Opening	No	No	
Rear Door Opening	No	No	
Trunk/Hatch/Tailgate Opening			No
Seat Track Shift (mm)	None	None	
Seat Back Movement from Initial Position	None	None	

POST- OTHER VEHICLE POST-TEST OBSERVATIONS

Critical Areas of Performance	Observations
Windshield Damage	Cracked
Window Damage	None
Other Notable Effects	Rear hatch glass opened during testing

VEHICLE REBOUND FROM BARRIER

Measured Parameter	Units	Value
Left Side	mm	831
Center	mm	821
Right Side	mm	822
Average	mm	824

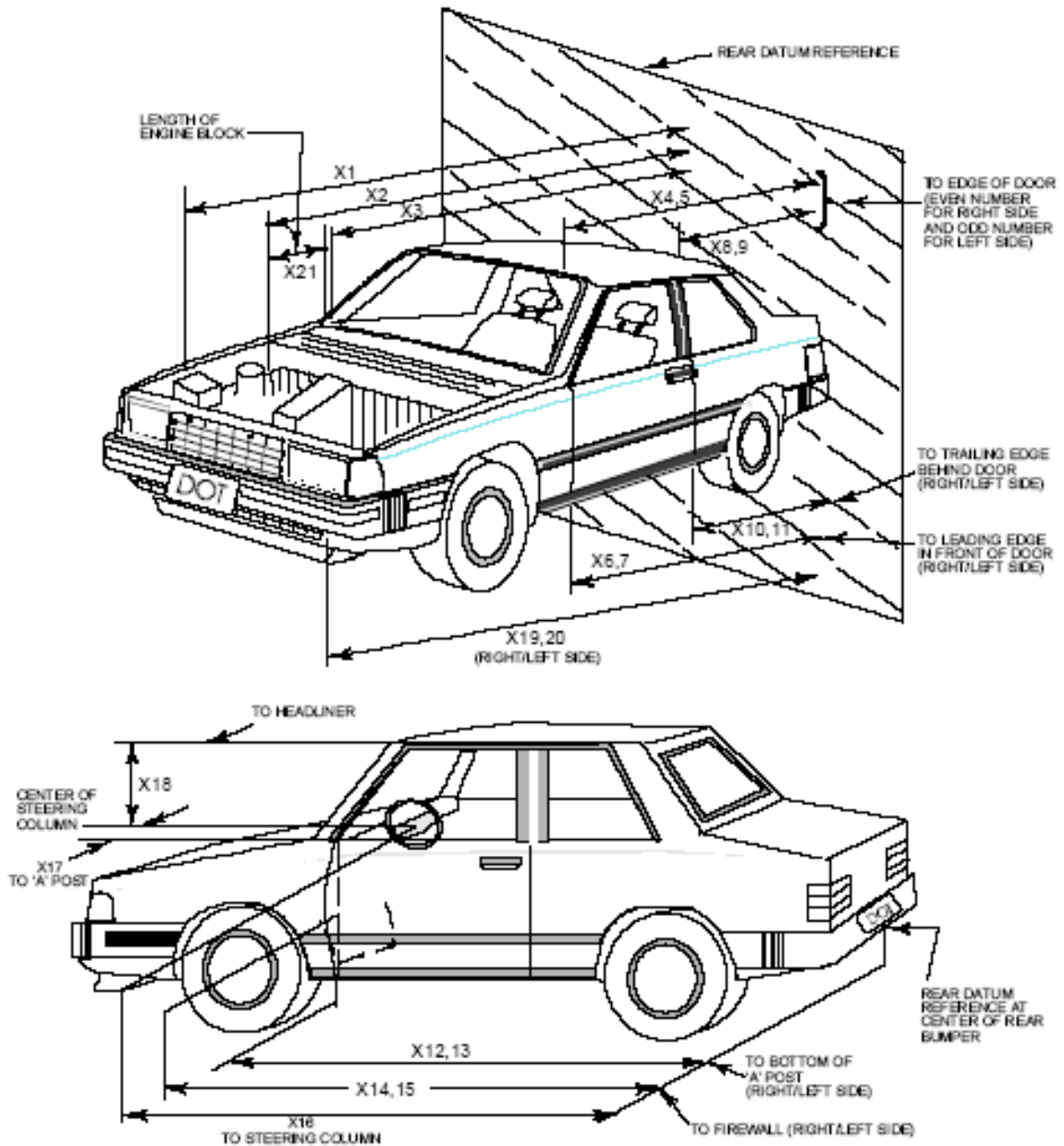
SUPPLEMENTAL RESTRAINT SYSTEM INFORMATION

Restraint Type	Driver (Occupant 1)		Passenger (Occupant 2)	
	Installed	Deployed	Installed	Deployed
Front Airbag	Yes	Yes	Yes	Yes
Torso/Pelvis Side Airbag	Yes	Yes	Yes	Yes
Curtain Side Airbag	Yes	Yes	Yes	Yes
Knee Airbag	No	N/A	No	N/A
Seat Belt Pretensioner	Yes	Yes	Yes	Yes
Seat Belt Load Limiter	Yes	Yes	Yes	Yes
Seat Belt Buckle Pretensioner	No	N/A	No	N/A
Other: Front Center Airbag	Yes	No	No	N/A

DATA SHEET NO. 12 - VEHICLE PROFILE MEASUREMENTS

Test Vehicle: 2025 Chevrolet Tahoe
 Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
 Test Date: 4/29/2025



DATA SHEET NO. 12 - VEHICLE PROFILE MEASUREMENTS (CONT'D)Test Vehicle: 2025 Chevrolet TahoeNHTSA No.: M20250107Test Program: NCAP Frontal ImpactTest Date: 4/29/2025

No.	Measurement Description	Pre-Test	Post-Test	Change
1	Total Length of Vehicle at Centerline	5342	4913	-429
2	Rear Surface of Vehicle (RSOV) to Front of Engine	4622	4441	-181
3	RSOV to Firewall	4209	4213	4
4	RSOV to Upper Leading Edge of Right Door	3821	3818	-3
5	RSOV to Upper Leading Edge of Left Door	3817	3818	1
6	RSOV to Lower Leading Edge of Right Door	3763	3764	1
7	RSOV to Lower Leading Edge of Left Door	3761	3966	205
8	RSOV to Upper Trailing Edge of Right Door	2676	2780	104
9	RSOV to Upper Trailing Edge of Left Door	2675	2781	106
10	RSOV to Lower Trailing Edge of Right Door	2686	2788	102
11	RSOV to Lower Trailing Edge of Left Door	2682	2690	8
12	RSOV to Bottom of "A" Post-of Right Side	3780	3788	8
13	RSOV to Bottom of "A" Post-of Left Side	3775	3777	2
14	RSOV to Firewall, Right Side	4158	4308	150
15	RSOV to Firewall, Left Side	4157	4265	108
16	RSOV to Steering Column	3302	3390	88
17	Center of Steering Column to "A" Post	416	444	28
18	Center of Steering Column to Headliner	475	512	37
19	RSOV to Right Side of Front Bumper	5250	4921	-329
20	RSOV to Left Side of Front Bumper	5252	4928	-324
21	Length of Engine Block	555	555	0
RD	RSOV to Right Side of Dash Panel	3520	3568	48
CD	RSOV to Center of Dash Panel	3422	3460	38
LD	RSOV to Left Side of Dash Panel	3504	3570	66

All Dimensions in mm

DATA SHEET NO. 13 - ACCIDENT INVESTIGATION DIVISION DATA

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

VEHICLE INFORMATION

VIN: 1GNS6MRD0SR165122
Vehicle Size Category: MPV

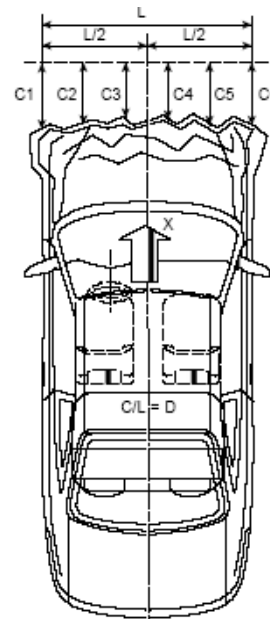
Wheelbase: 3070.0
Test Weight (kg): 2880.4

ACCELEROMETER DATA

Accelerometer Locations: As listed on Page 15 of this report.
Cal. Procedure/Interval: TRC procedure / 6 month interval
Integration Algorithm: Trapezoidal
Linearity: > 99%
Impact Velocity (km/h): 56.47
¹Velocity Change (km/h): 70.14
Time of Separation (ms): 254
¹Velocity effected by DAEs

CRUSH PROFILE

Collision Deformation Classification: 12FDEW2
Midpoint of Damage: Centerline
Damage Region Length (mm): 1220
Impact Mode: Frontal



No.	Measurement Description	Units	Pre-Test	Post-Test	Crush
C1	Crush zone 1 at left side	mm	88	412	324
C2	Crush zone 2 at left side	mm	45	438	393
C3	Crush zone 3 at left side	mm	0	425	425
C4	Crush zone 4 at right side	mm	2	426	424
C5	Crush zone 5 at right side	mm	43	435	392
C6	Crush zone 6 at right side	mm	90	419	329
L	C1 to C6	mm	1220	1220	0

DATA SHEET NO. 14 - VEHICLE INTRUSION MEASUREMENTS

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

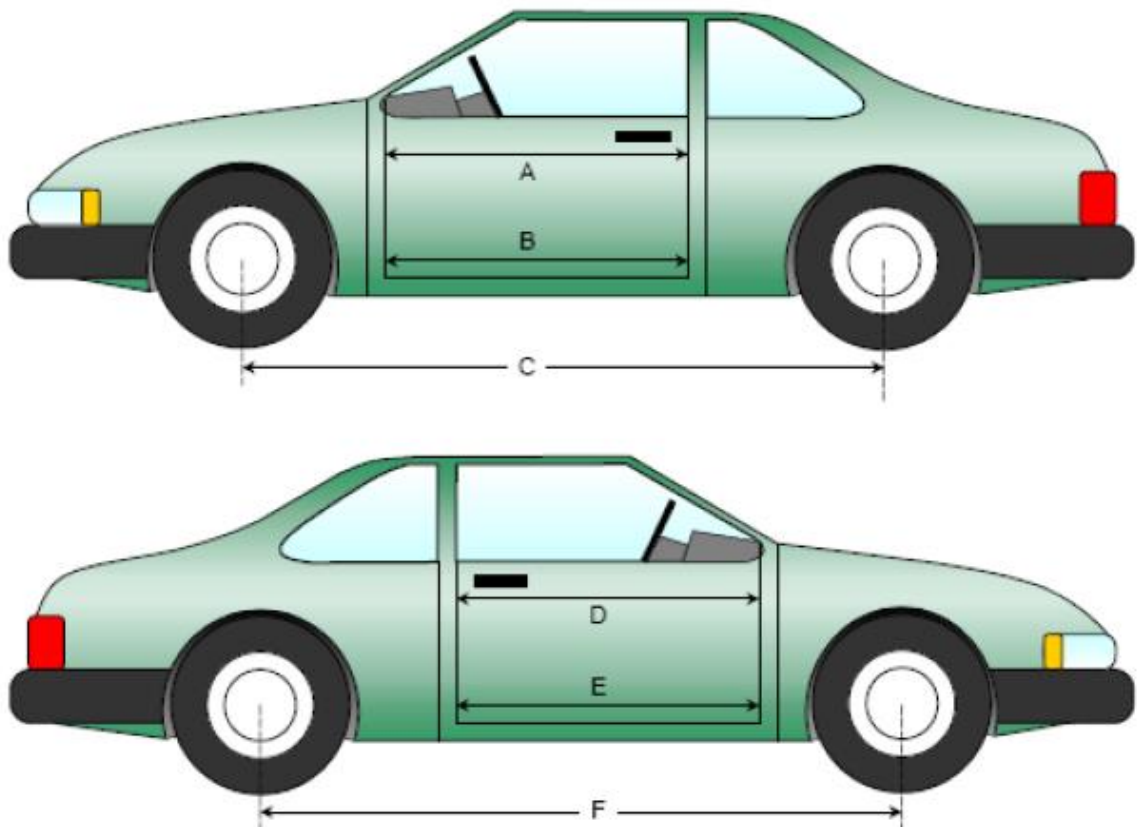
NHTSA No.: M20250107
Test Date: 4/29/2025

DOOR OPENING WIDTH

No.	Description	Units	Pre-Test	Post-Test	Change
A	Left Side Upper	mm	1076	1075	-1
B	Left Side Lower	mm	985	985	0
D	Right Side Upper	mm	1082	1081	-1
E	Right Side Lower	mm	996	995	-1

WHEELBASE MEASUREMENTS

No.	Description	Units	Pre-Test	Post-Test	Change
C	Left Side Wheelbase	mm	3070	3041	-29
F	Right Side Wheelbase	mm	3070	3032	-38



¹ Front suspension damaged and wheels fell off measurements not available

DATA SHEET NO. 14 - VEHICLE INTRUSION MEASUREMENTS (CONT'D)

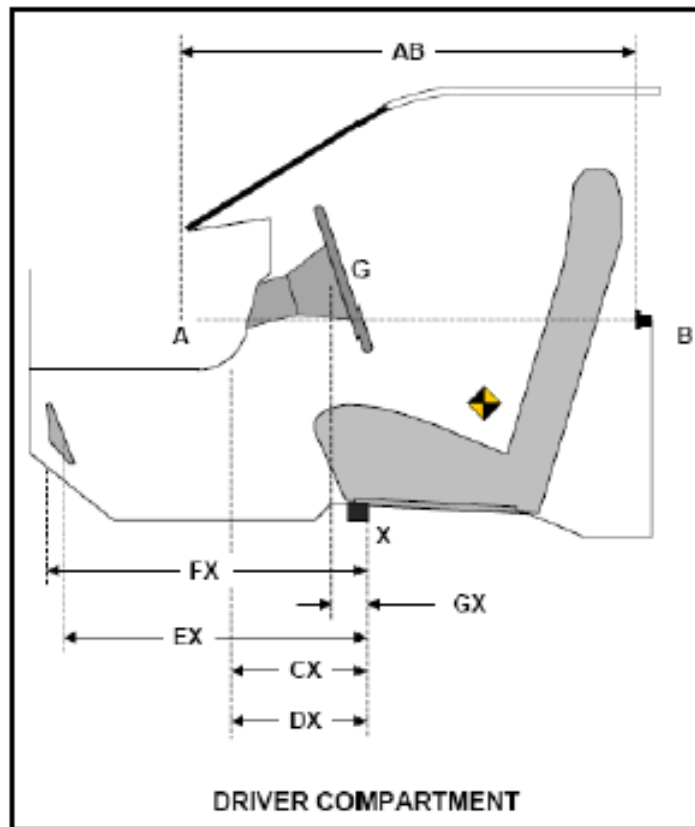
Test Vehicle: 2025 Chevrolet Tahoe
 Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
 Test Date: 4/29/2025

DRIVER COMPARTMENT INTRUSION

Item	Description	Units	Pre-Test	Post-Test	Change
AB	Door Opening (Inside Window Jam)	mm	1005	1005	0
CX	Left Knee Bolster to X	mm	306	332	26
DX	Right Knee Bolster to X	mm	316	345	29
EX	Brake Pedal to X	mm	569	562	-7
FX	Foot Rest to X	mm	608	610	2
GX	Center of Steering Column Wheel Hub to X	mm	118	168	50

X = Front of Seat Track (Stationary)



DATA SHEET NO. 15 - SUMMARY OF INDICANT FMVSS 212 AND FMVSS 219 (PARTIAL) DATA

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

Please provide windshield mounting details.

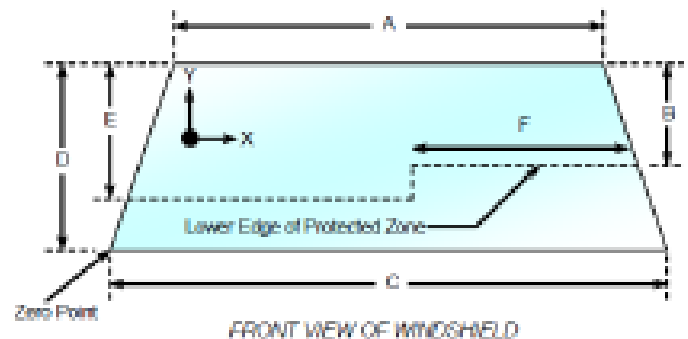
The standard requires that the post-test retention measurement be a minimum of 75% of the pre-test total periphery measurement for vehicle not equipped with occupant passive restraint and 50% for each side of the windshield for vehicle which are equipped with occupant passive restraints.

Temperature of windshield molding during test: 21.0°C

WINDSHIELD PERIPHERY MEASUREMENTS

Measurement	Pre-Test (mm)	Post-Test (mm)	% Retention
Left Side	2344.5	2344.5	100.0
Right Side	2344.5	2344.5	100.0
Total	4689	4689	100.0

Item	Units	Value
A	mm	1410
B	mm	517
C	mm	1610
D	mm	835
E	mm	530
F	mm	475



AREAS OF PROTECTED ZONE FAILURES

A. Provide coordinates of the area that the protected zone was penetrated more than .25 inches by a vehicle component other than one that is normally in contact with the windshield.

X	Y
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

B. The inner surface of the windshield was penetrated by the hood support beneath the protected zone.

X	Y
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

**DATA SHEET NO. 16 - FMVSS 301 BARRIER IMPACT AND STATIC ROLLOVER
RESULTS**

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

FMVSS 301 FUEL SYSTEM INTEGRITY POST IMPACT DATA

Temperature at Time of Impact: 21.1°C

Test Time: 17:03

Stoddard Solvent Spillage Measurements

- A From impact until vehicle motion ceases: 0 oz.
(maximum allowable – 1 oz.)
- B For the 5-minute period after motion ceases: 0 oz.
(maximum allowable – 5 oz.)
- C For the following 25 minutes: 0 oz.
(maximum allowable – 1 oz./minutes)
- D Spillage: None

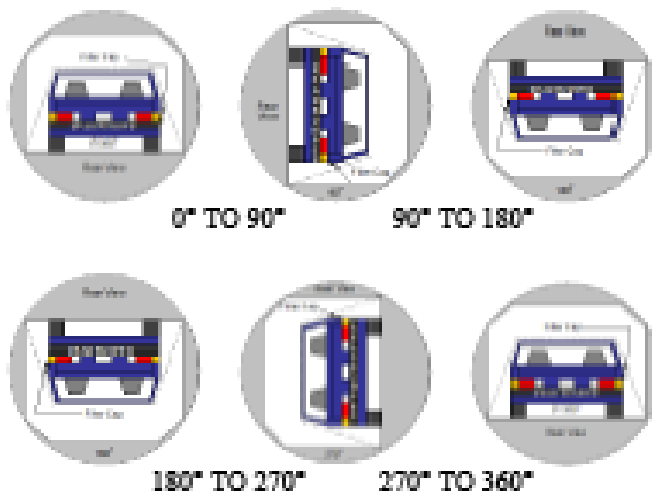
DATA SHEET NO. 16 - FMVSS 301 BARRIER IMPACT AND STATIC ROLLOVER RESULTS (CONT'D)

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025

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:

None



SOLVENT COLLECTION TIME TABLE IN SECONDS

Test Phase	Rotation Time	Hold Time	Total Time
0° to 90°	90	330	420
90° to 180°	90	330	840
180° to 270°	90	330	1260
270° to 360°	90	330	1480

FMVSS 301 SPILLAGE TABLE

Test Phase	First 5 Minutes	Sixth Minute	Seventh Minute	Eighth Minute
0° to 90°	0	0	0	N/A
90° to 180°	0	0	0	N/A
180° to 270°	0	0	0	N/A
270° to 360°	0	0	0	N/A

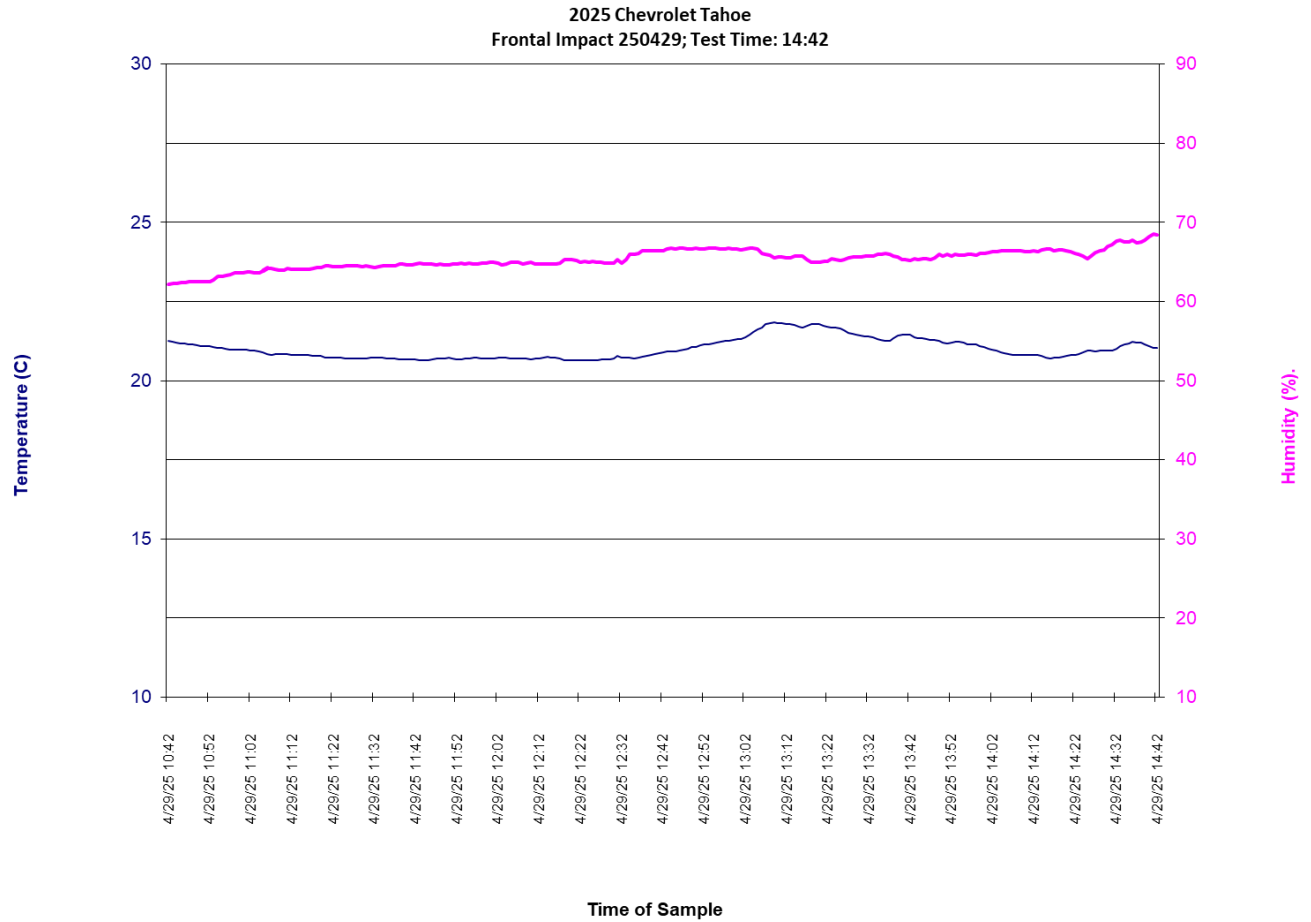
SOLVENT SPILLAGE LOCATION TABLE

Test Phase	Spillage Location
0° to 90°	None
90° to 180°	None
180° to 270°	None
270° to 360°	None

DATA SHEET NO. 17 - DUMMY/VEHICLE TEMPERATURE STABILIZATION

Test Vehicle: 2025 Chevrolet Tahoe
Test Program: NCAP Frontal Impact

NHTSA No.: M20250107
Test Date: 4/29/2025



APPENDIX A
PHOTOGRAPHS

TABLE OF PHOTOGRAPHS

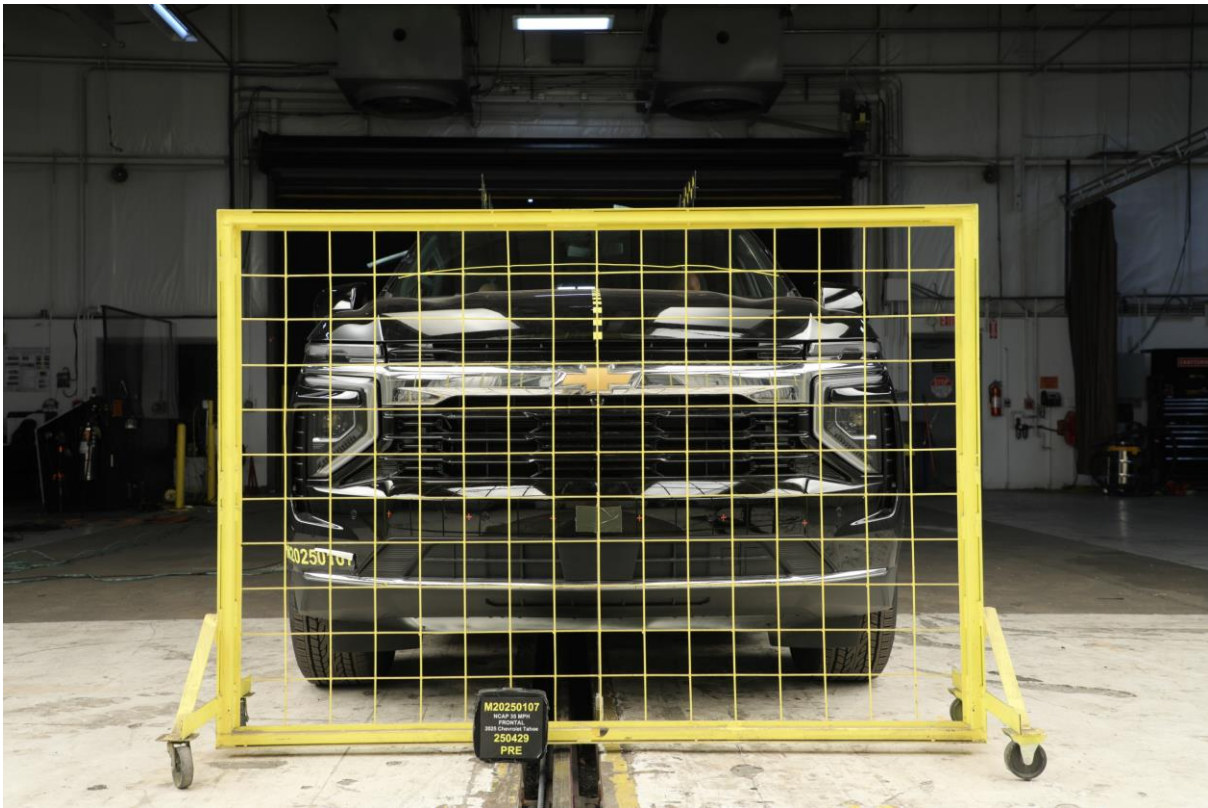
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3	Post-Test Load Cell Wall	A-6
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5	Tire Placard	A-7
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7	Left Rear 3-4 View, as Received	A-8
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10	Pre-Test Left View of Test Vehicle	A-10
11	Post-Test Left View of Test Vehicle	A-10
12	Pre-Test Right View of Test Vehicle	A-11
13	Post-Test Right View of Test Vehicle	A-11
14	Pre-Test Right Front 3-4 View	A-12
15	Post-Test Right Front 3-4 View	A-12
16	Pre-Test Left Rear 3-4 View	A-13
17	Post-Test Left Rear 3-4 View	A-13
18	Pre-Test Windshield View	A-14
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001 Load Cell Location



002 Pre-Test Load Cell Wall



003 Post-Test Load Cell Wall



004 Manufacturer's Label



005 Tire Placard

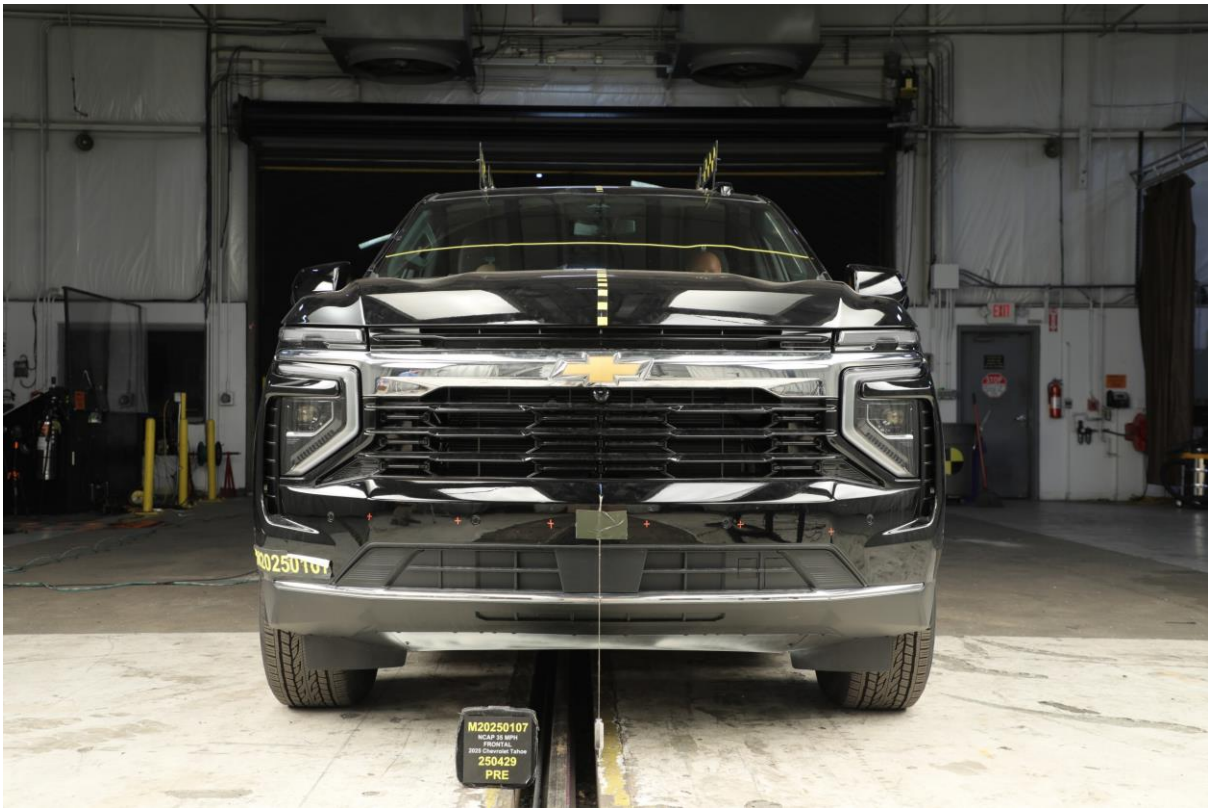
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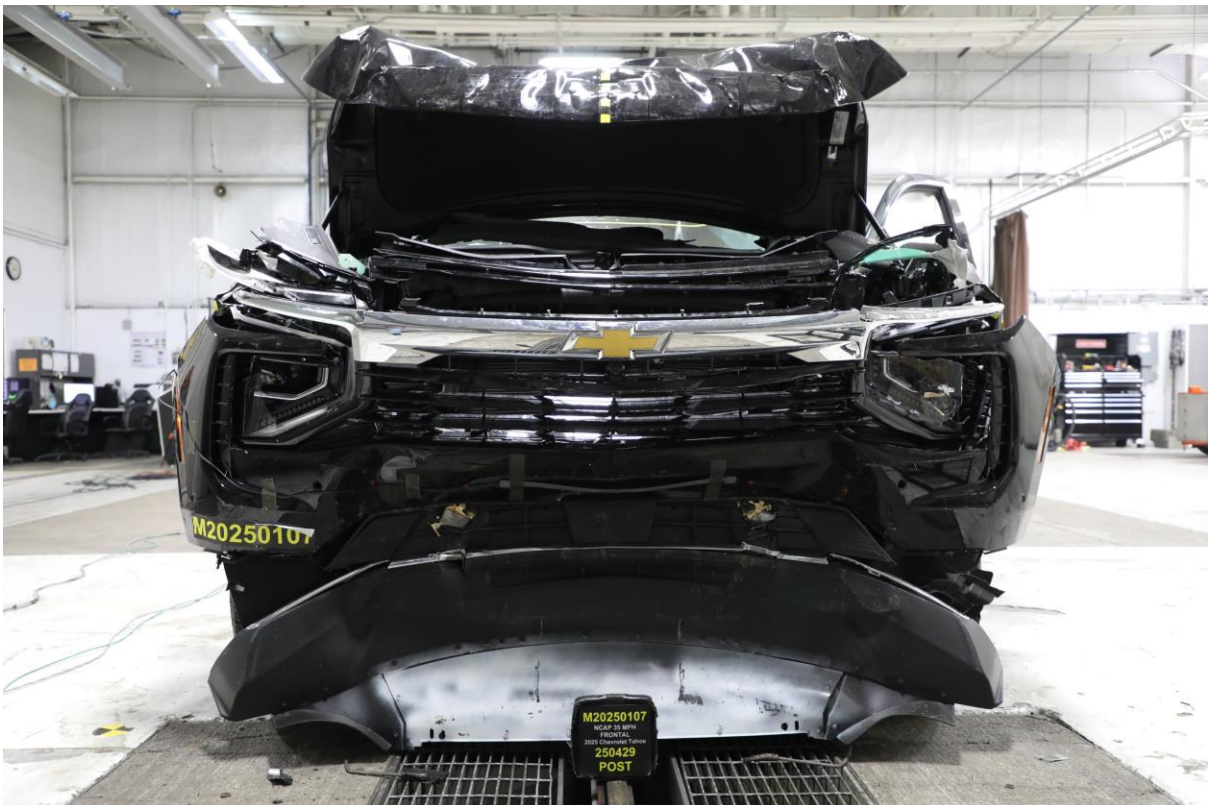
006 2025 Chevrolet Tahoe Frontal As Delivered



007 Left Rear 3-4 View, as Received



008 Pre-Test Front View of Test Vehicle



009 Post-Test Front View of Test Vehicle



010 Pre-Test Left View of Test Vehicle



011 Post-Test Left View of Test Vehicle



012 Pre-Test Right View of Test Vehicle



013 Post-Test Right View of Test Vehicle



014 Pre-Test Right Front 3-4 View



015 Post-Test Right Front 3-4 View



016 Pre-Test Left Rear 3-4 View



017 Post-Test Left Rear 3-4 View



018 Pre-Test Windshield View



019 Post-Test Windshield View



020 Pre-Test Engine Compartment View



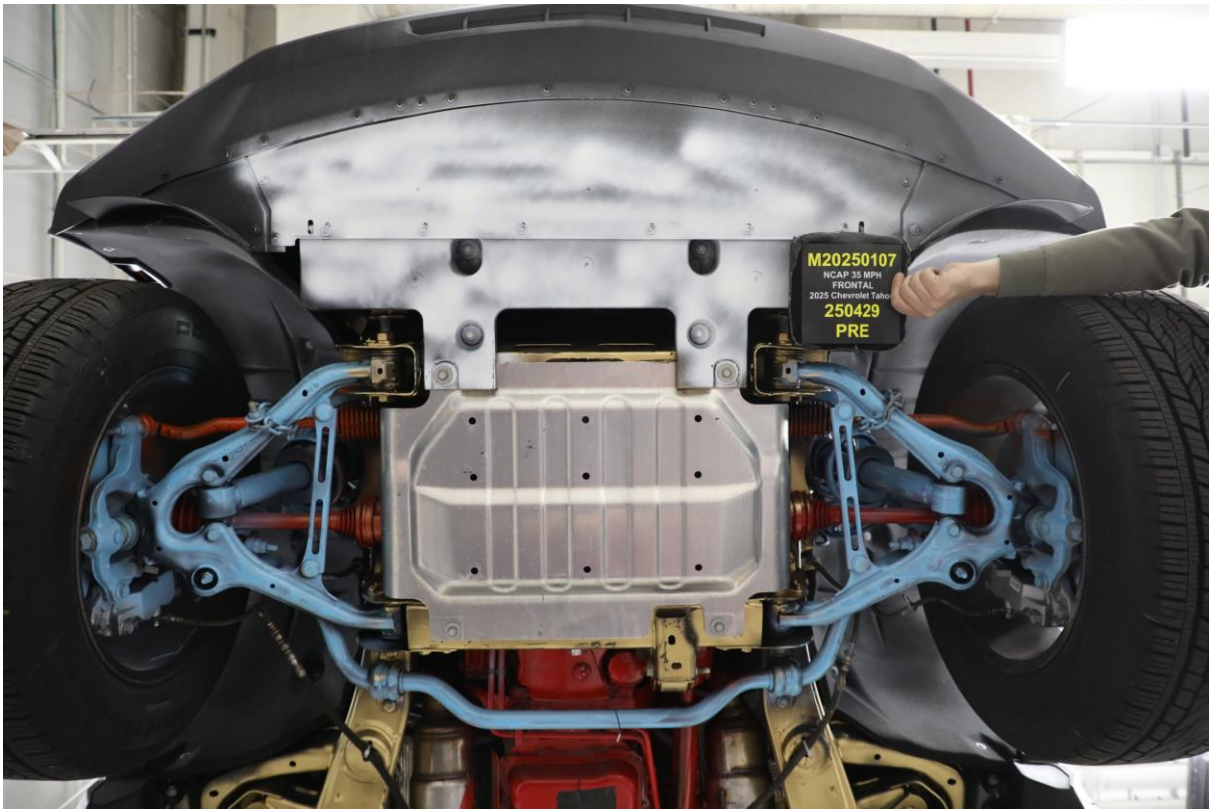
021 Post-Test Engine Compartment View



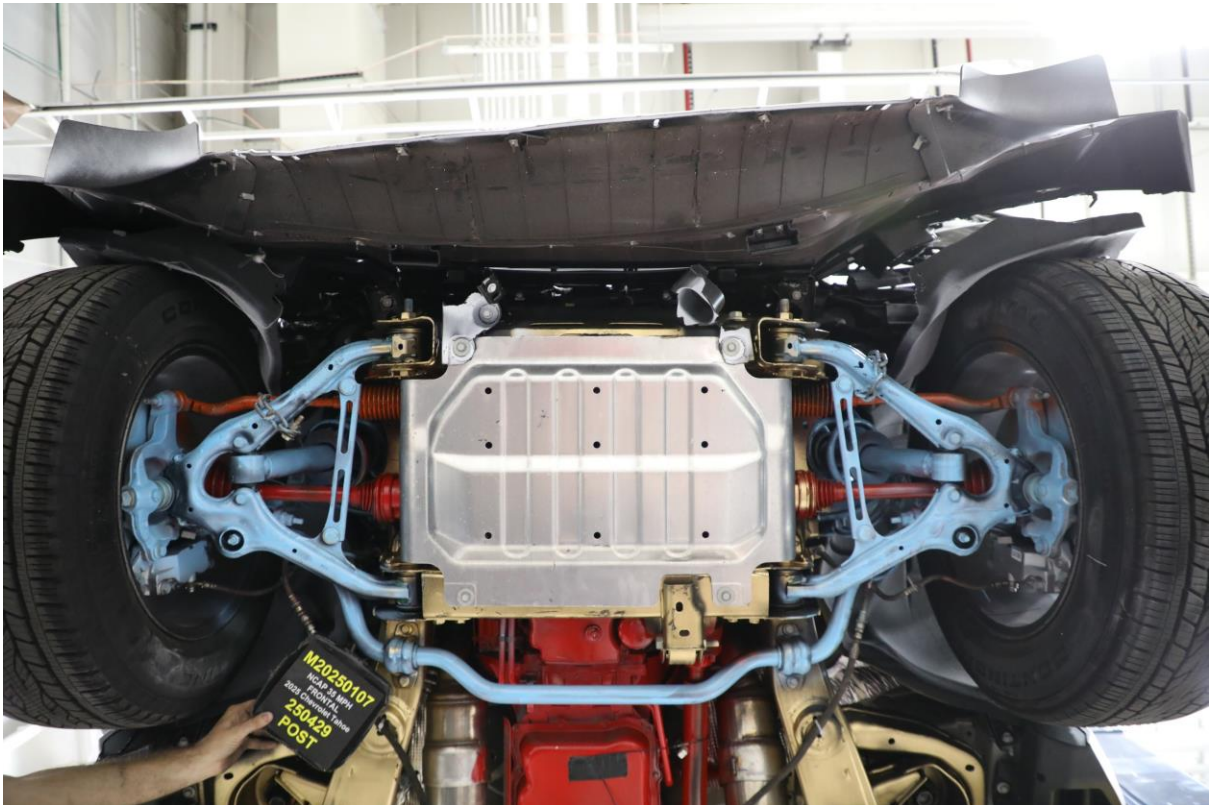
022 Pre-Test Fuel Filler Cap View



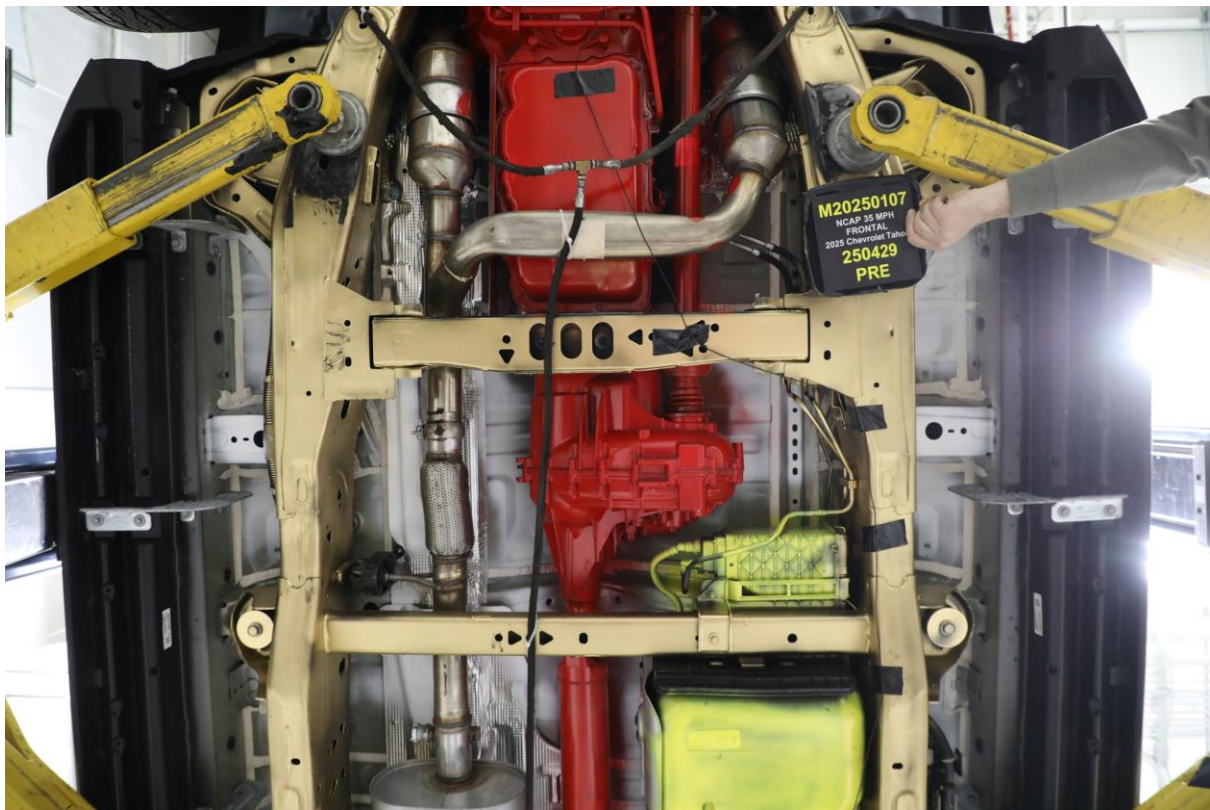
023 Post-Test Fuel Filler Cap View



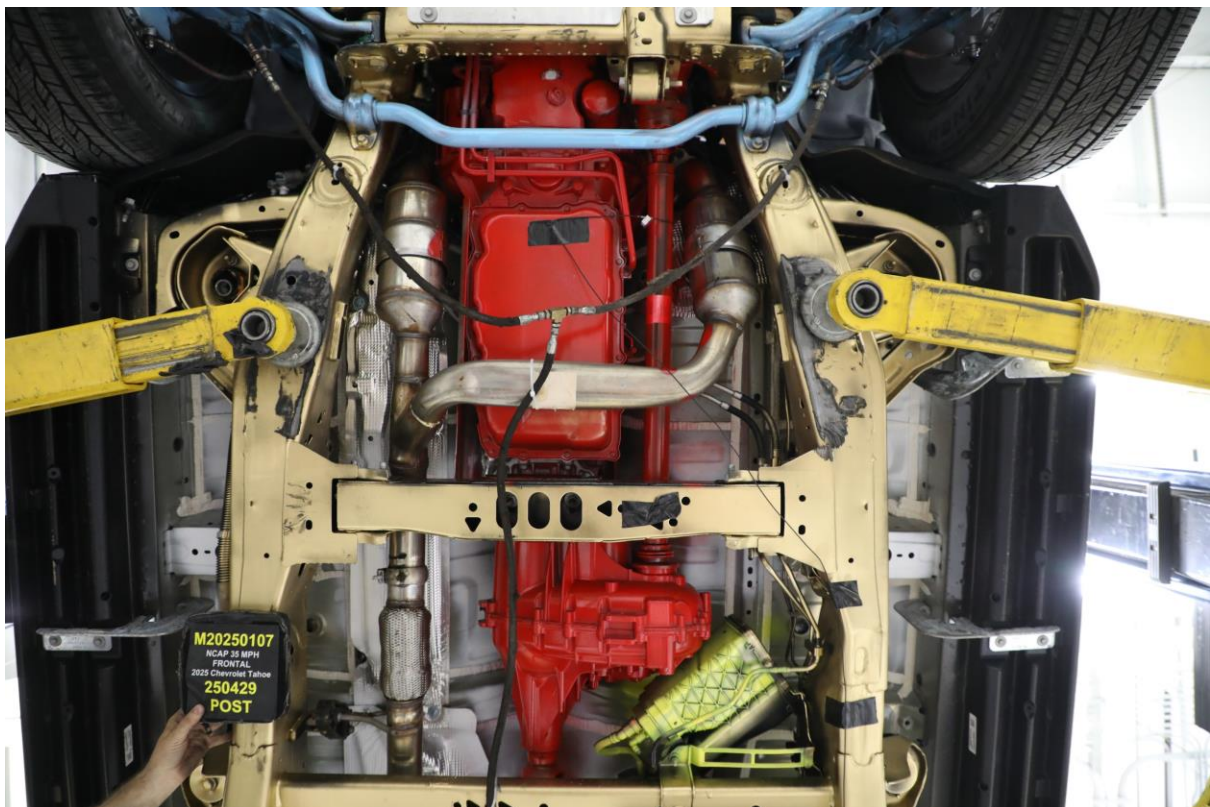
024 Pre-Test Front Underbody View



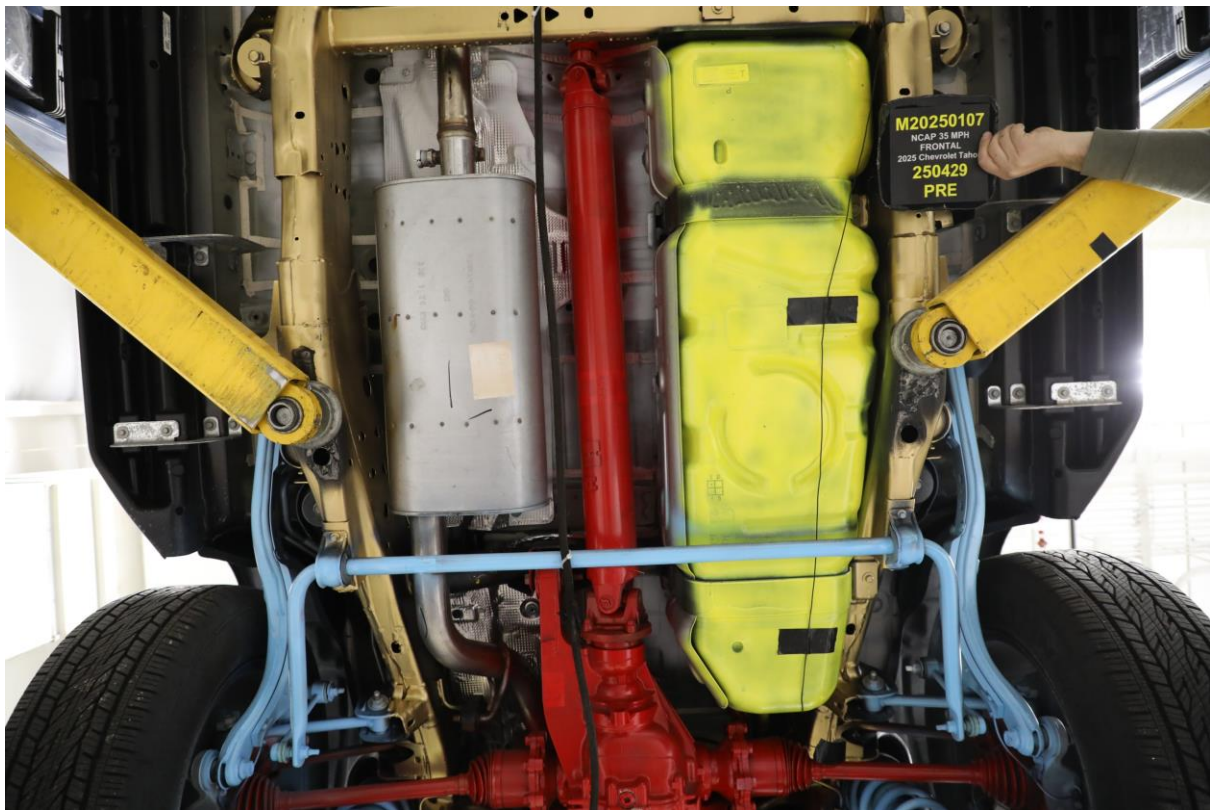
025 Post-Test Front Underbody View



025a Pre-Test Mid Front Underbody View



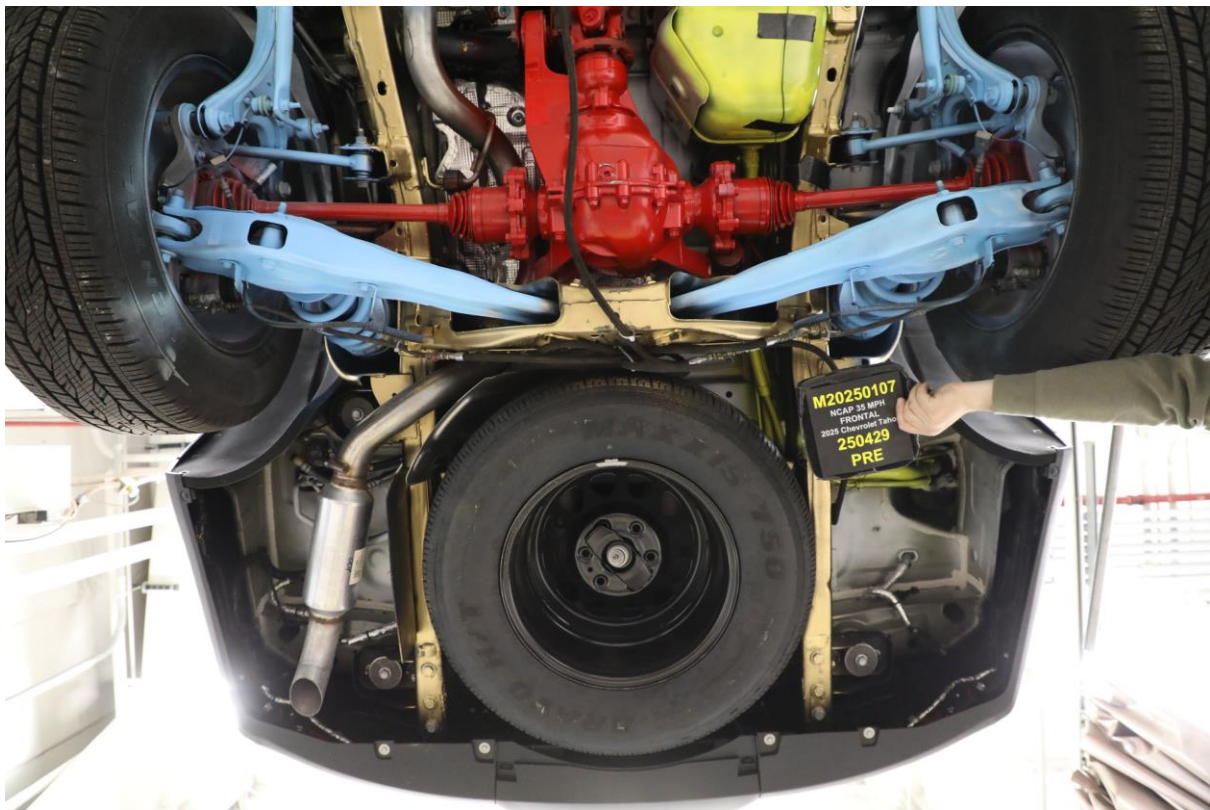
025b Post-Test Mid Front Underbody View



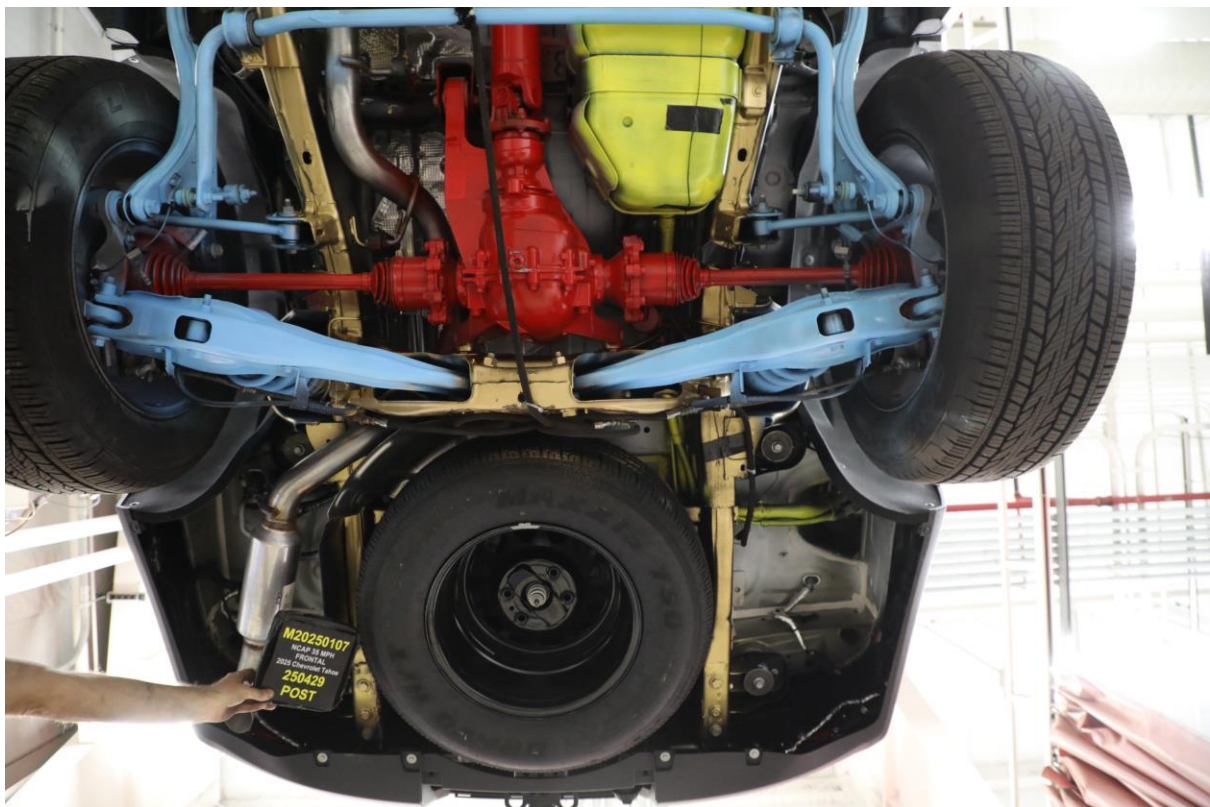
025c Pre-Test Mid Rear Underbody View



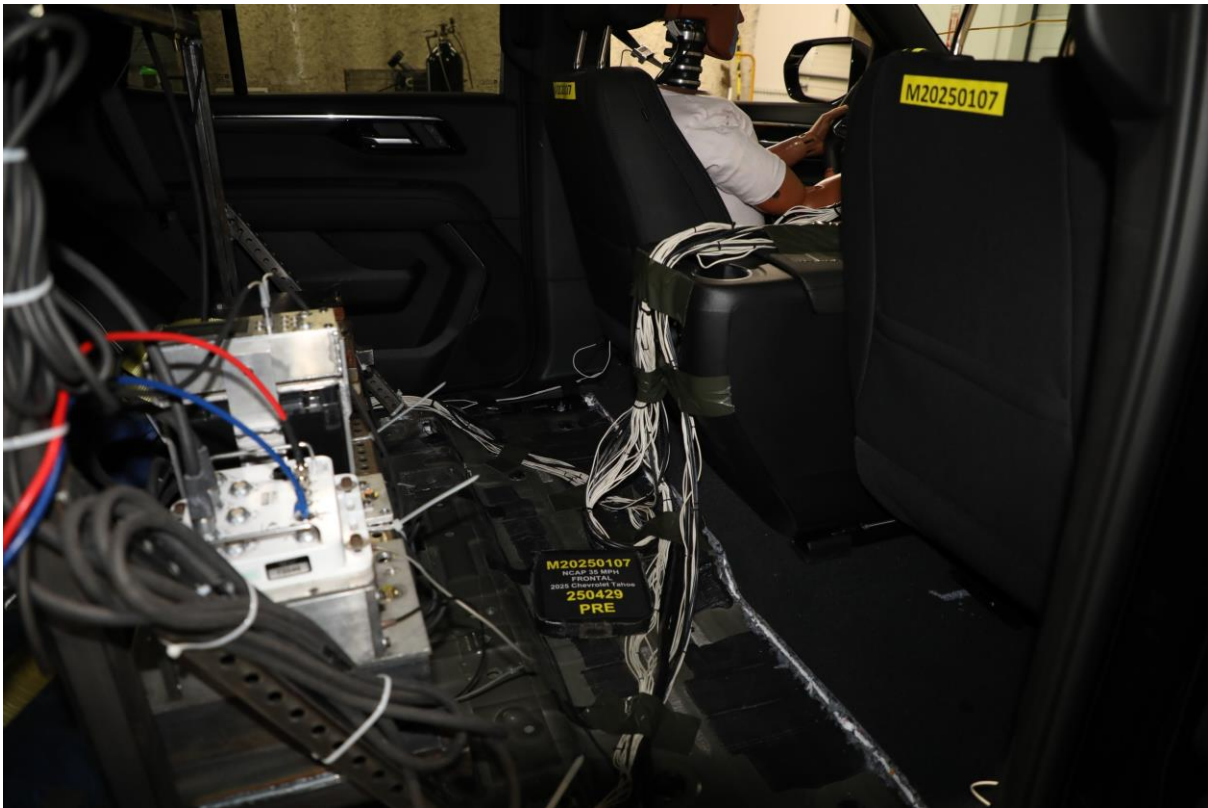
025d Post-Test Mid Rear Underbody View



026 Pre-Test Rear Underbody View



027 Post-Test Rear Underbody View



028 Pre-Test Dummy Cable Routing



029 Post-Test Dummy Cable Routing



030 Pre-Test Driver Dummy Front View



031 Post-Test Driver Dummy Front View



032 Pre-Test Driver Dummy Window View



033 Post-Test Driver Dummy Window View



034 Pre-Test Driver Dummy and Vehicle Interior View



035 Post-Test Driver Dummy and Vehicle Interior View



036 Pre-Test Driver's Seat Fore-Aft Markings



037 Post-Test Driver's Seat Fore-Aft Markings



038 Pre-Test View of Belt Anchorage for Driver Dummy



039 Post-Test View of Belt Anchorage for Driver Dummy



040 Pre-Test View of Belt Buckle and Latch Plate for Driver Dummy



041 Post-Test View of Belt Buckle and Latch Plate for Driver Dummy



042 Pre-Test Driver Dummy Feet



043 Post-Test Driver Dummy Feet



044 Pre-Test Driver's Side Knee Bolster



045 Post-Test Driver's Side Knee Bolster



046 Pre-Test Driver's Side Floorpan



047 Post-Test Driver's Side Floorpan



048 Post-Test Driver Dummy Face



049 Post-Test Driver Dummy Contact with Airbag

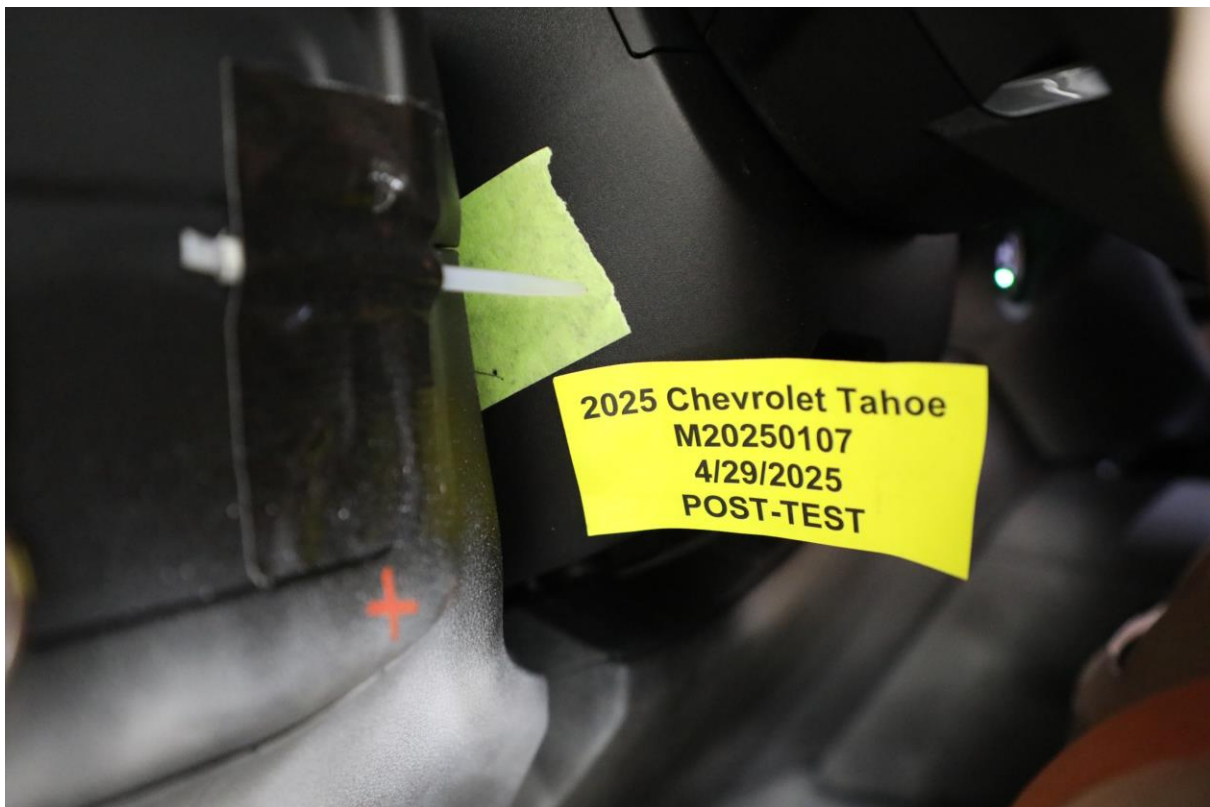


050 Post-Test Driver Dummy Contact with Headrest

Intentionally Left Blank



051 Pre-Test View of the Steering Wheel



052 Post-Test View of the Steering Wheel



53 Pre-Test Passenger Dummy Front View



054 Post-Test Passenger Dummy Front View



055 Pre-Test Passenger Dummy Window View



056 Post-Test Passenger Dummy Window View



057 Pre-Test Passenger Dummy and Vehicle Interior View



058 Post-Test Passenger Dummy and Vehicle Interior View



059 Pre-Test Passenger's Seat Fore-Aft Markings



060 Post-Test Passenger's Seat Fore-Aft Markings



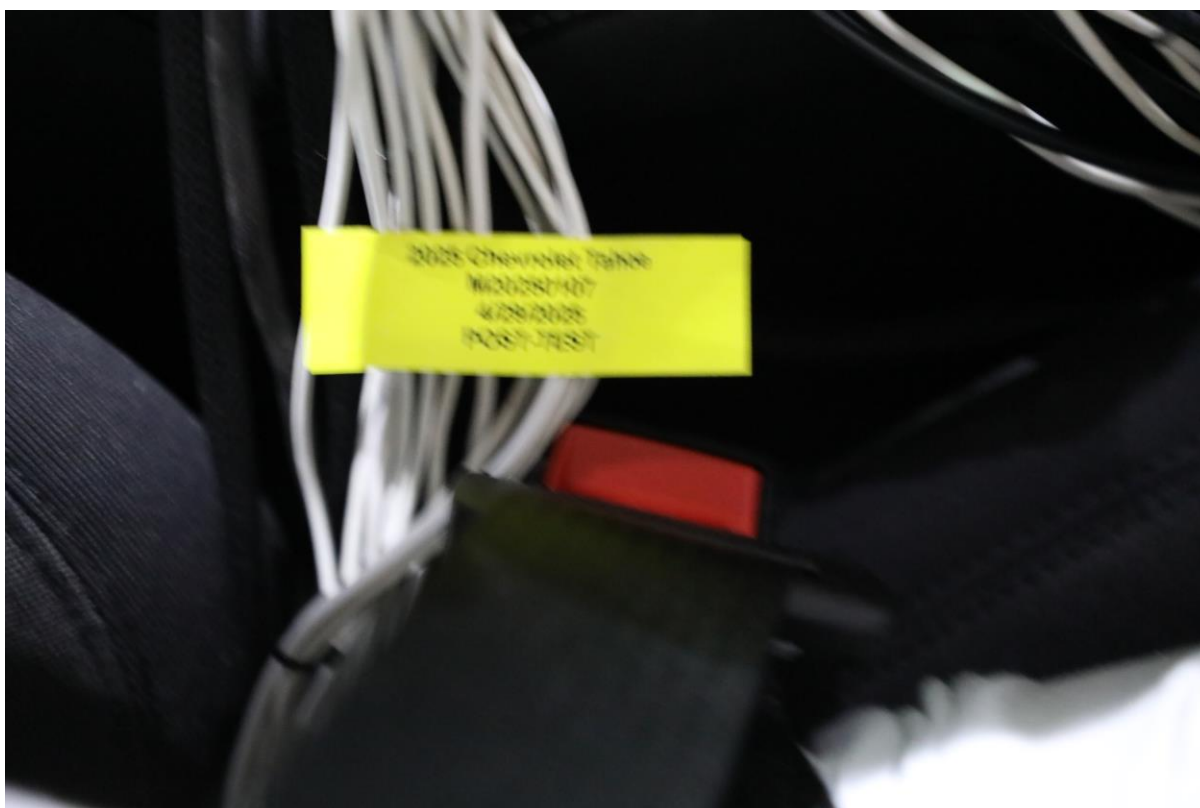
061 Pre-Test View of Belt Anchorage for Passenger Dummy



062 Post-Test View of Belt Anchorage for Passenger Dummy



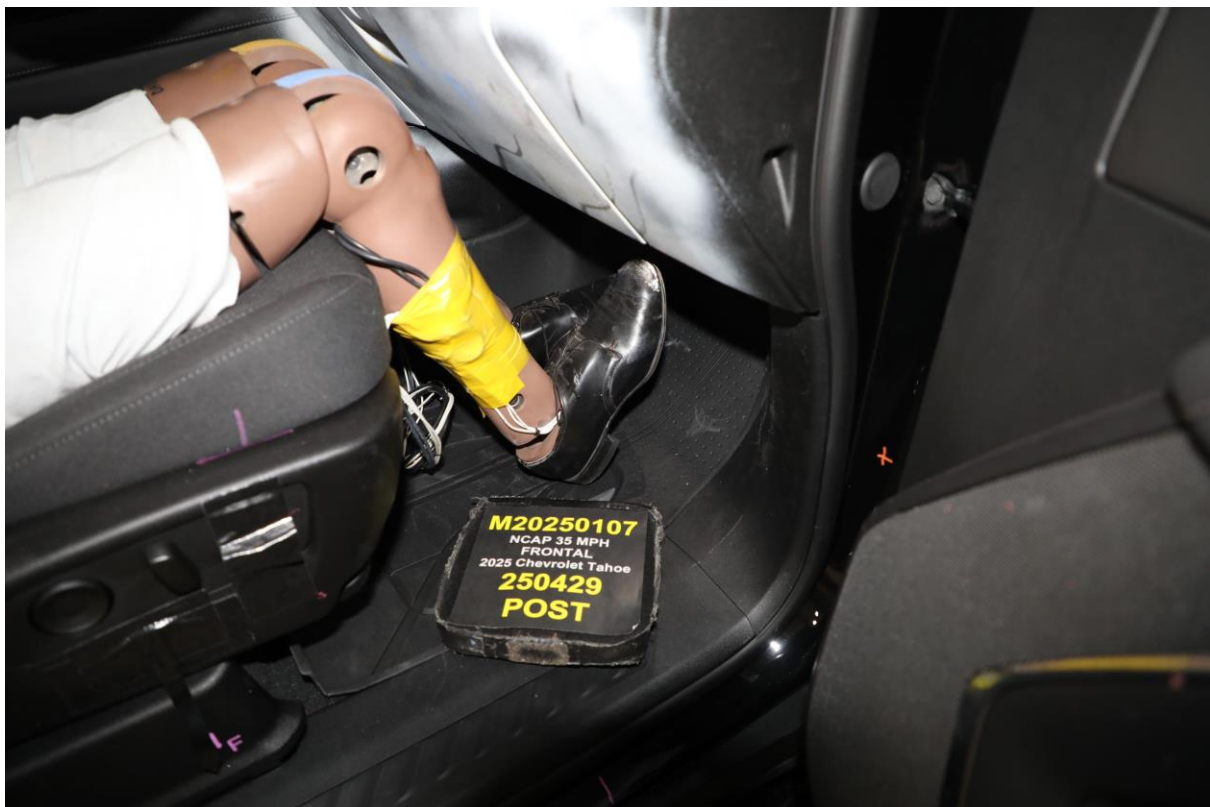
063 Pre-Test View of Belt Buckle and Latch Plate for Passenger Dummy



064 Post-Test View of Belt Buckle and Latch Plate for Passenger Dummy



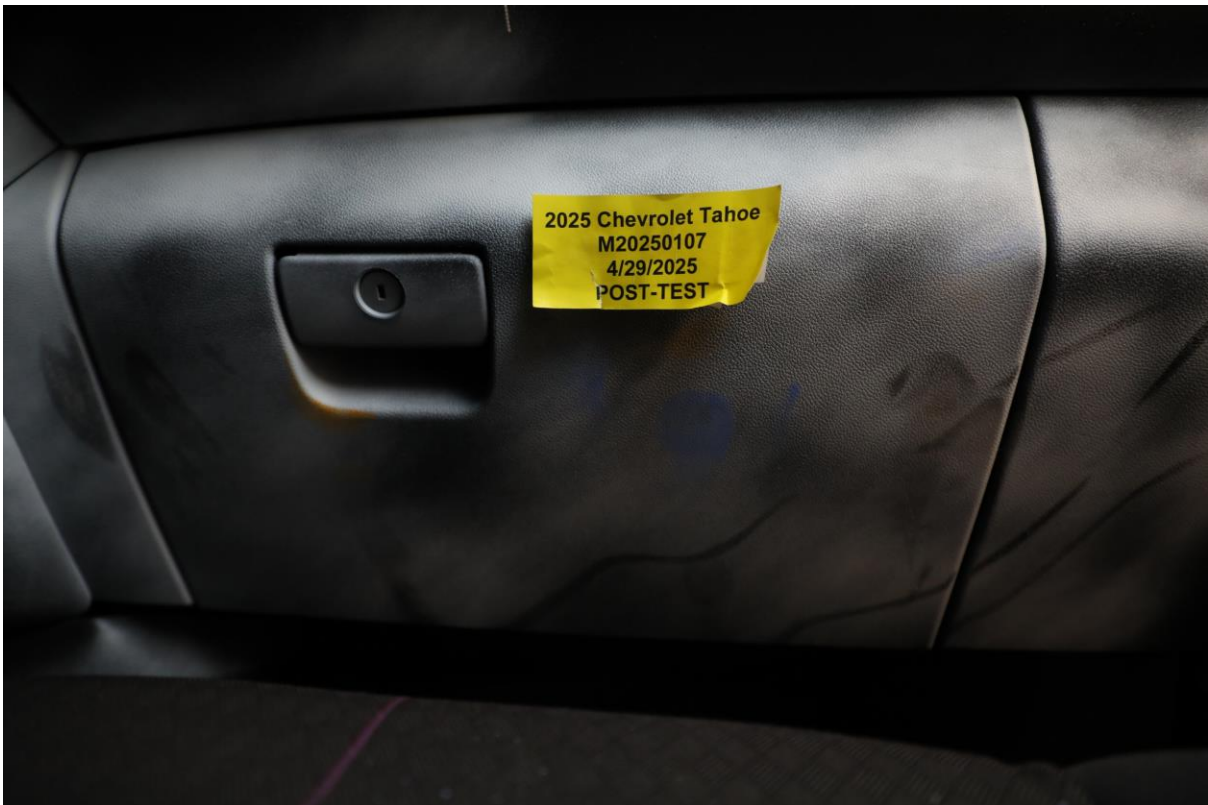
065 Pre-Test Passenger Dummy Feet



066 Post-Test Passenger Dummy Feet



067 Pre-Test Passenger's Side Knee Bolster



068 Post-Test Passenger's Side Knee Bolster



069 Pre-Test Passenger's Side Floorpan



070 Post-Test Passenger's Side Floorpan



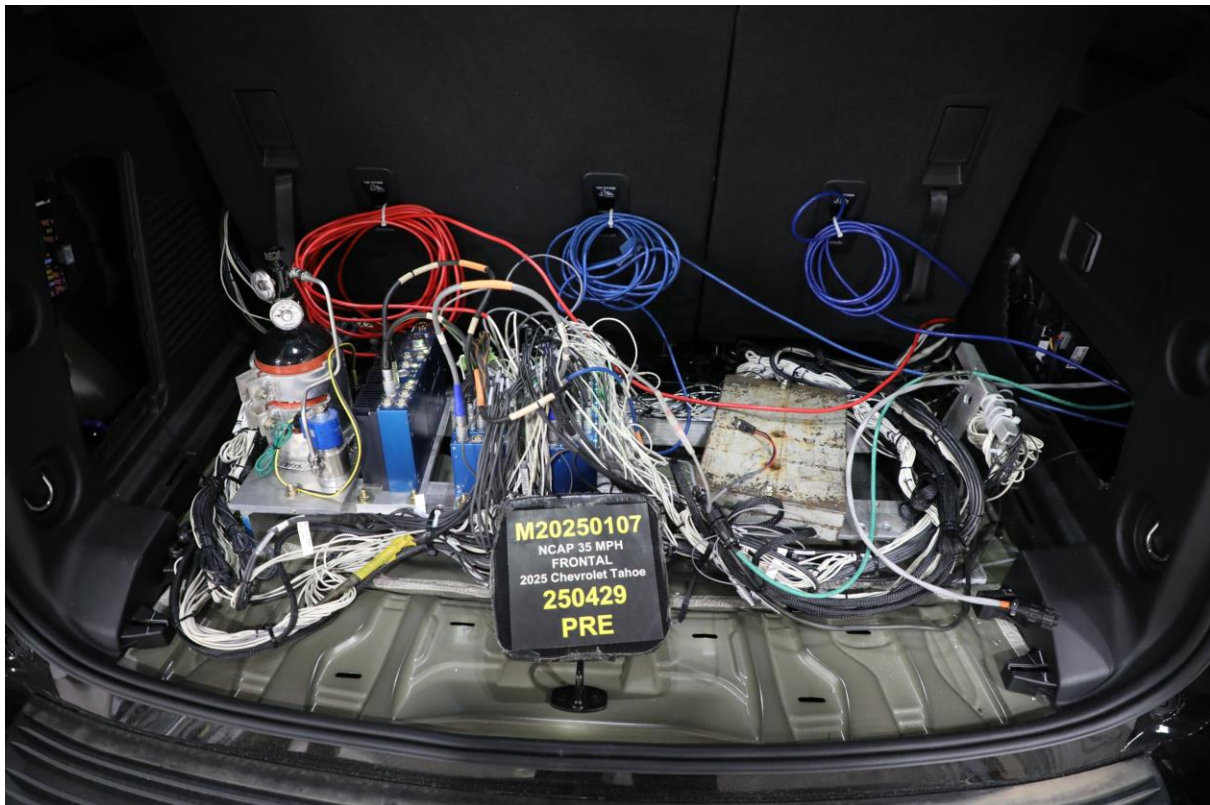
071 Post-Test Passenger Dummy Face



072 Post-Test Passenger Dummy Contact with Airbag



073 Post-Test Passenger Dummy Contact with Headrest



074 Photograph of Ballast Installed in Vehicle

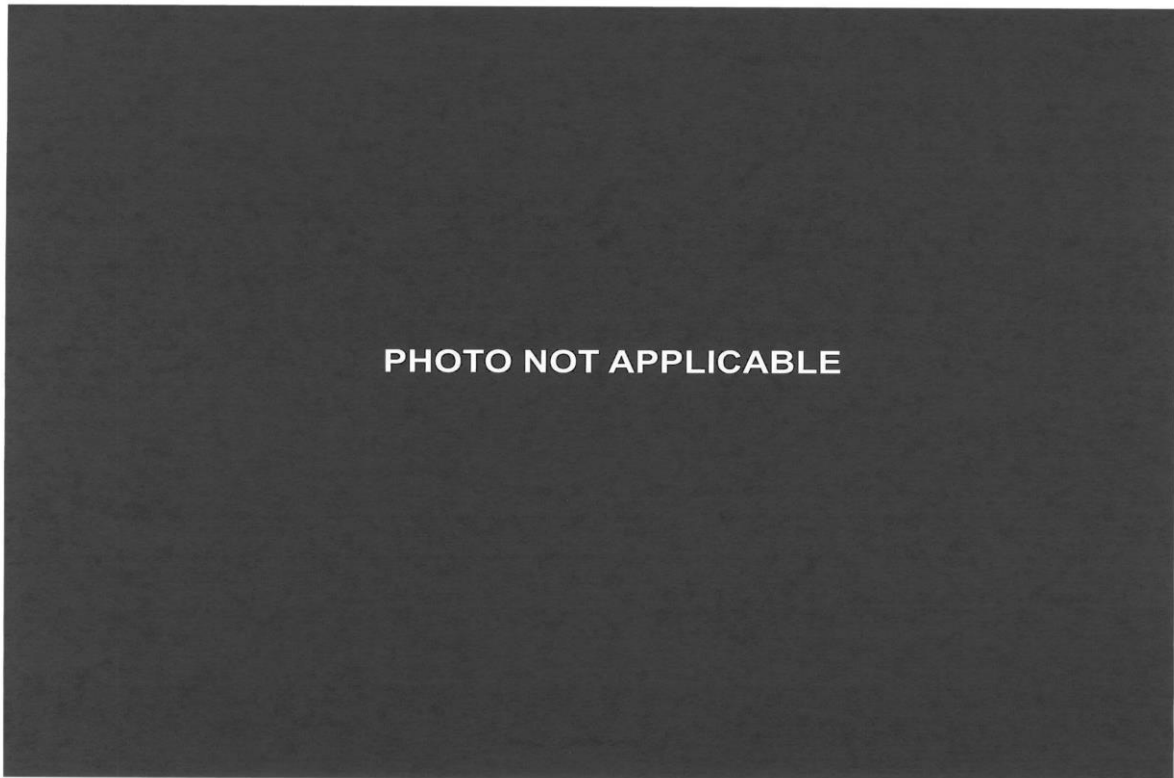


PHOTO NOT APPLICABLE

075 Post-Test Stoddard Spillage Location View



076 Post-Test Speed Trap Read out



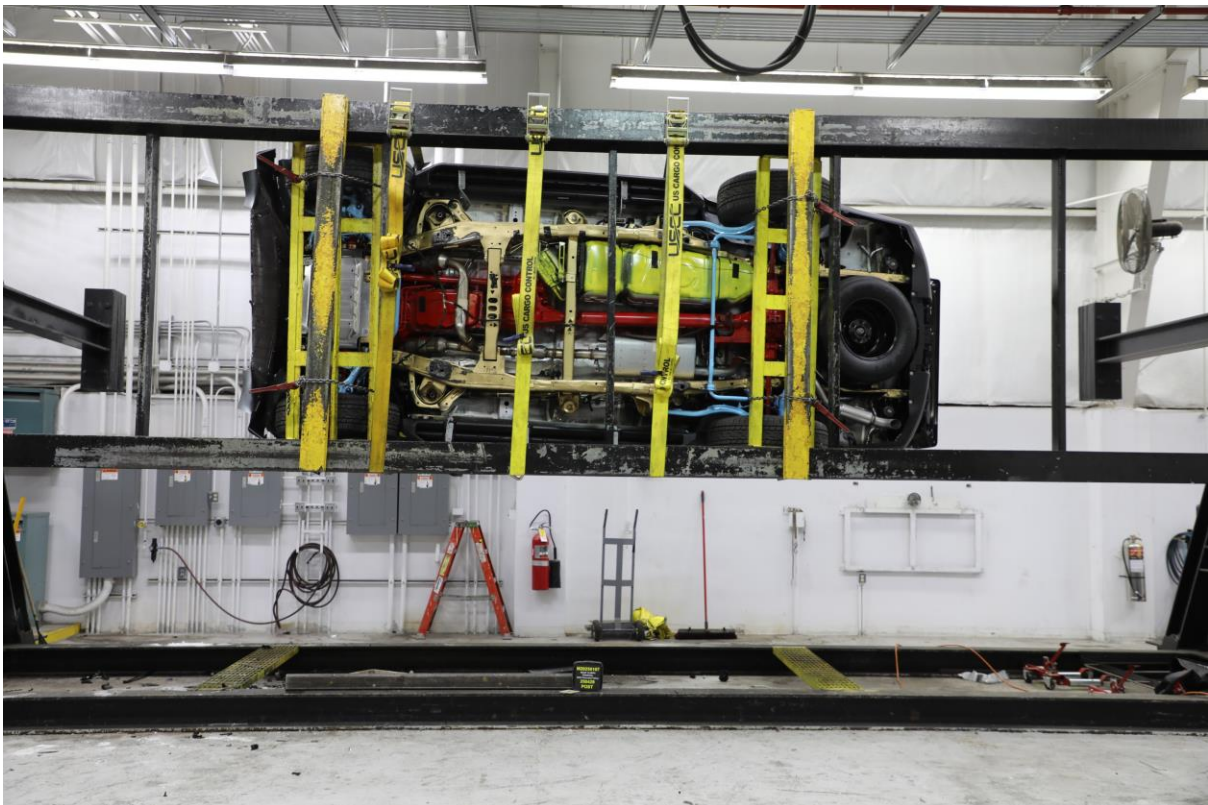
077 Vehicle at 0° on Static Rollover Device



078 Vehicle at 90° on Static Rollover Device



079 Vehicle at 180° on Static Rollover Device



080 Vehicle at 270° on Static Rollover Device



081 Vehicle at 360° on Static Rollover Device



082 2025 Chevrolet Tahoe Frontal Impact Event

APPENDIX B
VEHICLE AND DUMMY RESPONSE DATA PLOTS

TABLE OF DATA PLOTS

No.	List of Data Plots Provided in the Test Report	Page
1	Driver Head X Acceleration vs. Time Primary	B-6
2	Driver Head Y Acceleration vs. Time Primary	B-6
3	Driver Head Z Acceleration vs. Time Primary	B-6
4	Driver Head Resultant Acceleration vs. Time Primary	B-6
5	Driver Chest X Deflection vs. Time	B-7
6	Driver Chest X Acceleration vs. Time Primary	B-8
7	Driver Chest Y Acceleration vs. Time Primary	B-8
8	Driver Chest Z Acceleration vs. Time Primary	B-8
9	Driver Chest Resultant Acceleration vs. Time Primary	B-8
10	Driver Upper Neck Force X vs. Time	B-9
11	Driver Upper Neck Force Z vs. Time	B-9
12	Driver Upper Neck Moment Y vs. Time	B-9
13	Driver Nij vs. Time	B-10
14	Driver Left Femur Force vs. Time	B-11
15	Driver Right Femur Force vs. Time	B-11
16	Passenger Head X Acceleration vs. Time Primary	B-12
17	Passenger Head Y Acceleration vs. Time Primary	B-12
18	Passenger Head Z Acceleration vs. Time Primary	B-12
19	Passenger Head Resultant Acceleration vs. Time Primary	B-12
20	Passenger Chest X Deflection vs. Time	B-13
21	Passenger Chest X Acceleration vs. Time Primary	B-14
22	Passenger Chest Y Acceleration vs. Time Primary	B-14
23	Passenger Chest Z Acceleration vs. Time Primary	B-14
24	Passenger Chest Resultant Acceleration vs. Time Primary	B-14
25	Passenger Upper Neck Force X vs. Time	B-15
26	Passenger Upper Neck Force Z vs. Time	B-15
27	Passenger Upper Neck Moment Y vs. Time	B-15
28	Passenger Nij vs. Time	B-16
29	Passenger Left Femur Force vs. Time	B-17
30	Passenger Right Femur Force vs. Time	B-17

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

Driver Head Acceleration X Redundant
Driver Head Acceleration Y Redundant
Driver Head Acceleration Z 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 Redundant
Driver Right Femur 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 Head Angular Velocity X
Driver Head Angular Velocity Y
Driver Head Angular Velocity Z
Driver Shoulder Belt
Driver Lap Belt
Passenger Head Acceleration X Redundant
Passenger Head Acceleration Y Redundant
Passenger Head Acceleration Z Redundant
Passenger Upper Neck Force Y
Passenger Upper Neck Moment X
Passenger Upper Neck Moment Z
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 Redundant
Passenger Right Femur 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 Head Angular Velocity X
Passenger Head Angular Velocity Y
Passenger Head Angular Velocity Z
Left Rear Seat Crossmember X
Left Rear Seat Crossmember Z
Passenger Shoulder Belt
Passenger Lap Belt
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

NHTSA

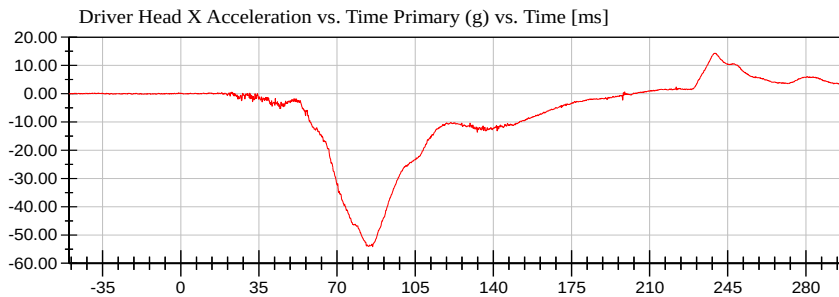
Test Lab: CTF

Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)



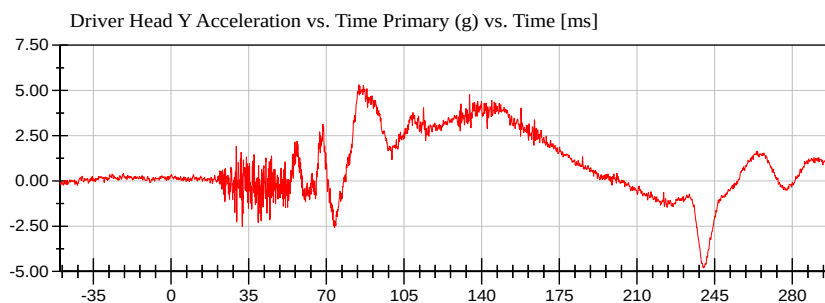
<Max>

14.33 g at 239.35 ms

<Min>

-54.12 g at 85.90 ms

CFC_1000



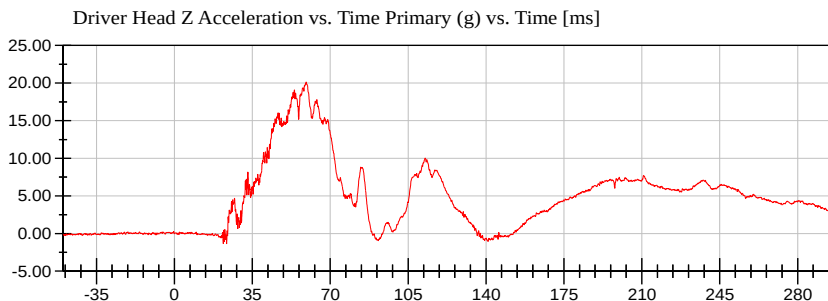
<Max>

5.31 g at 84.65 ms

<Min>

-4.80 g at 240.00 ms

CFC_1000



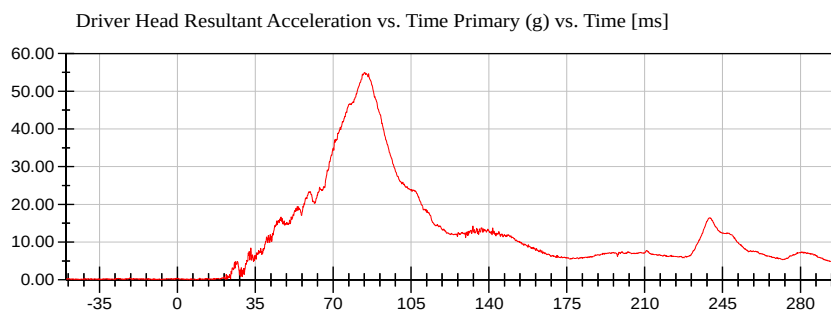
<Max>

20.15 g at 59.20 ms

<Min>

-1.36 g at 23.45 ms

CFC_1000



<Max>

54.96 g at 84.20 ms

<Min>

0.01 g at 5.45 ms

CFC_1000



NHTSA

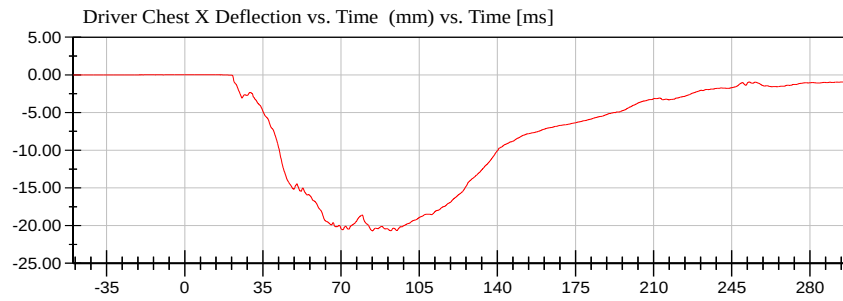
Test Lab: CTF

Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)



<Max>

0.03 mm at 11.50 ms

<Min>

-20.69 mm at 84.10 ms

CFC_600



NHTSA

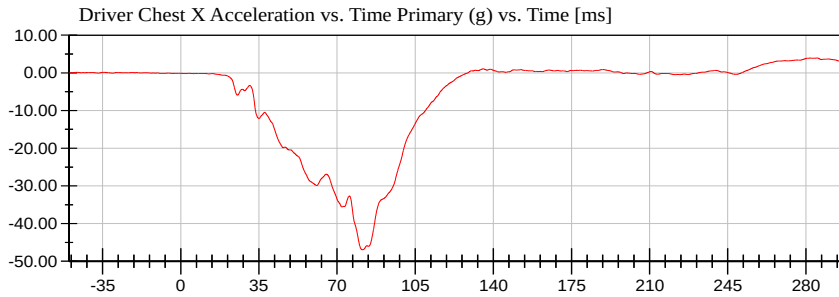
Test Lab: CTF

Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)



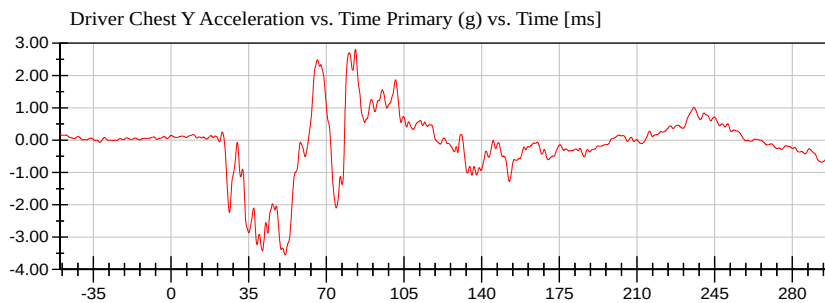
<Max>

3.94 g at 284.95 ms

<Min>

-46.94 g at 81.50 ms

CFC_180



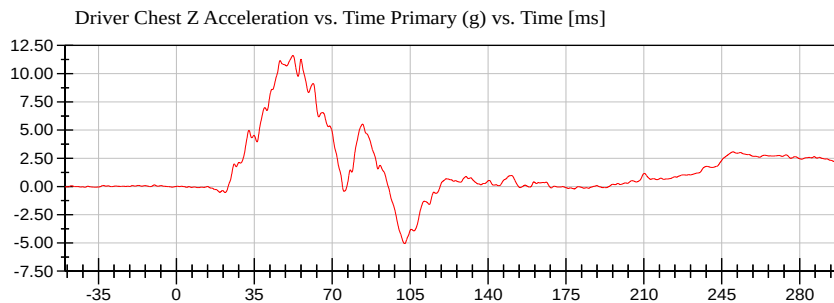
<Max>

2.81 g at 83.10 ms

<Min>

-3.56 g at 51.50 ms

CFC_180



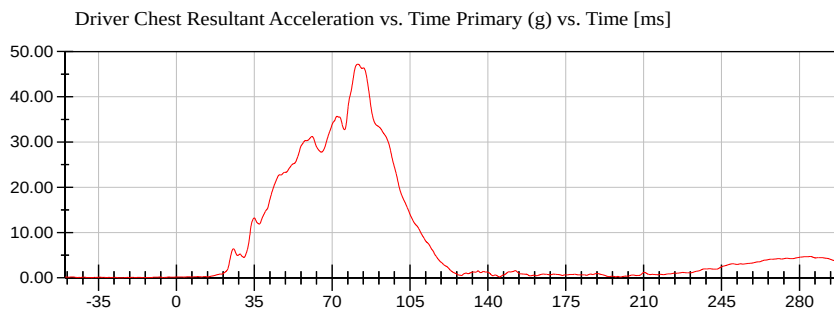
<Max>

11.61 g at 52.35 ms

<Min>

-5.06 g at 102.55 ms

CFC_180



<Max>

47.20 g at 81.60 ms

<Min>

0.02 g at -24.95 ms

CFC_180



NHTSA

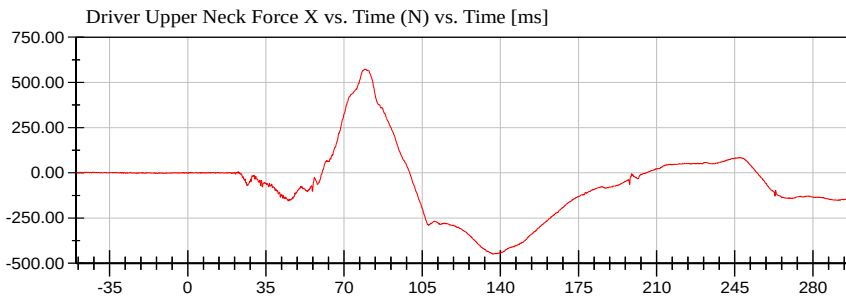
Test Lab: CTF

Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)



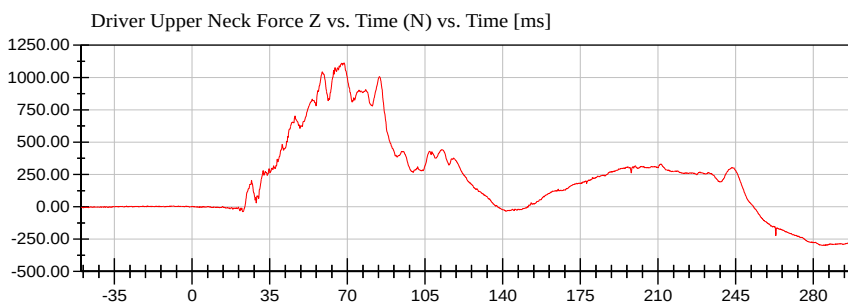
<Max>

573.51 N at 79.25 ms

<Min>

-449.93 N at 136.65 ms

CFC_1000



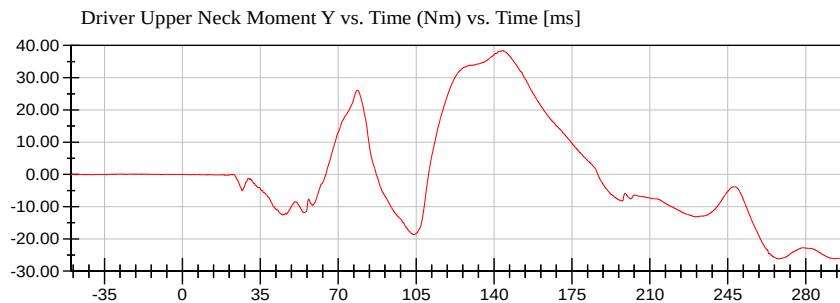
<Max>

1,113.15 N at 68.50 ms

<Min>

-299.17 N at 285.35 ms

CFC_1000



<Max>

38.39 Nm at 144.00 ms

<Min>

-26.18 Nm at 293.05 ms

CFC_600



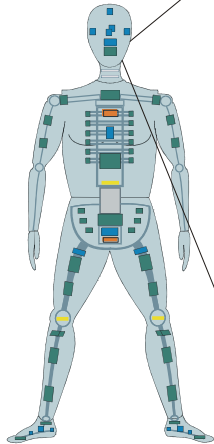


2025 Chevrolet Tahoe NCAP 35 mph Frontal Impact Neck Injury Predictor (NIJ)

Date: 04/29/2025
Time: 14:42

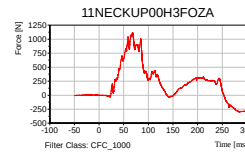
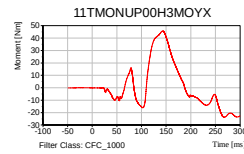
Customer: NHTSA
Test Number: M20250107

Test Orientation = Frontal
Fzc(Tension) = 6806
Fzc(Compression) = 6160
Myc(Extension) = 135
Myc(Flexion) = 310

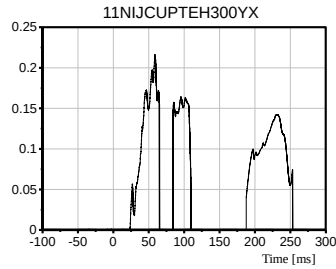


Dummy: HIII 50th Male
Seating Position:
Driver

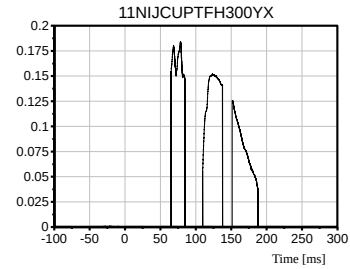
NIJ Source Code: (Fz/Fzc)*(Myc/Myc)



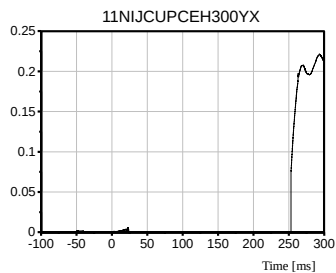
TRC Inc. Test Lab: CTF
Test Number: 250429



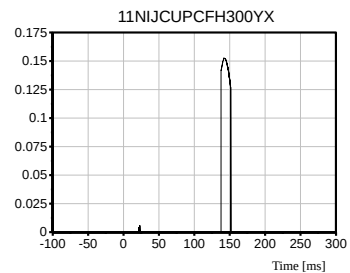
Max [NTE] 0.2164 at 58.65 ms



Max [NTF] 0.1844 at 78.35 ms



Max [NCE] 0.2214 at 293.15 ms



Max [NCF] 0.1526 at 141.85 ms

NHTSA

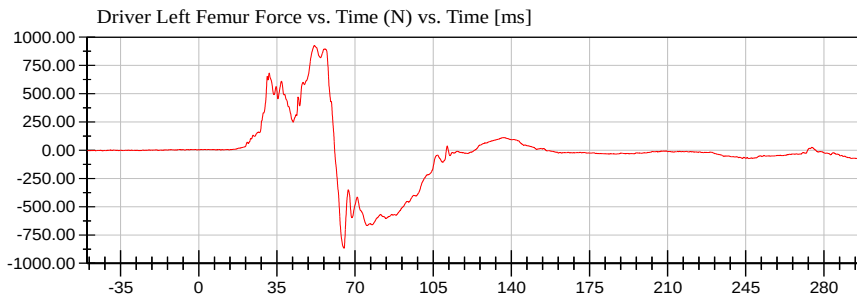
Test Lab: CTF

Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)



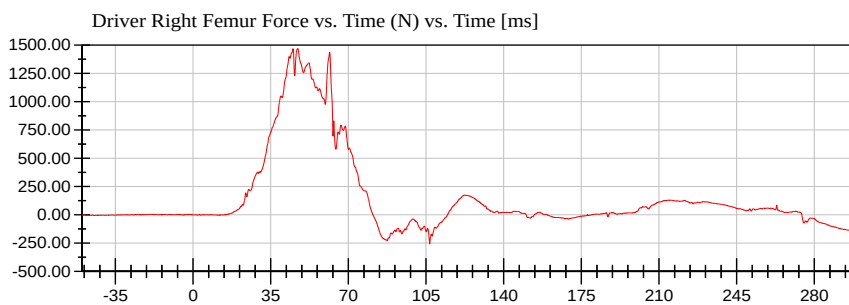
<Max>

926.75 N at 51.80 ms

<Min>

-867.02 N at 65.05 ms

CFC_600



<Max>

1,469.92 N at 47.20 ms

<Min>

-258.30 N at 106.65 ms

CFC_600

TRC

NHTSA

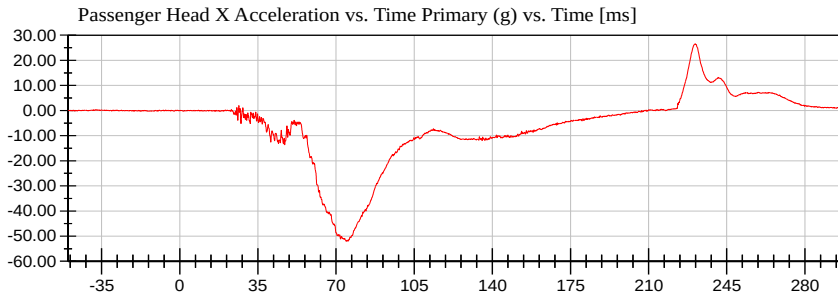
Test Lab: CTF

Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)



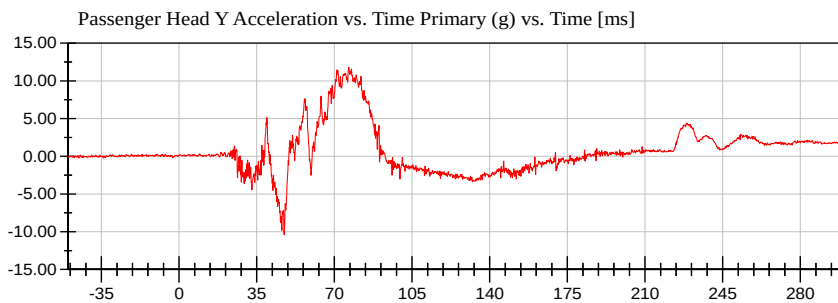
<Max>

26.51 g at 230.85 ms

<Min>

-52.06 g at 75.30 ms

CFC_1000



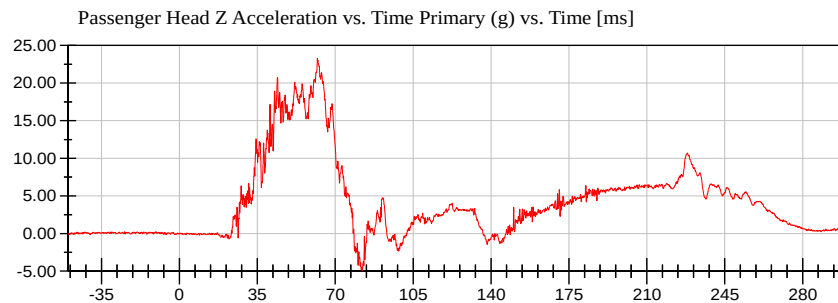
<Max>

11.82 g at 76.50 ms

<Min>

-10.40 g at 47.35 ms

CFC_1000



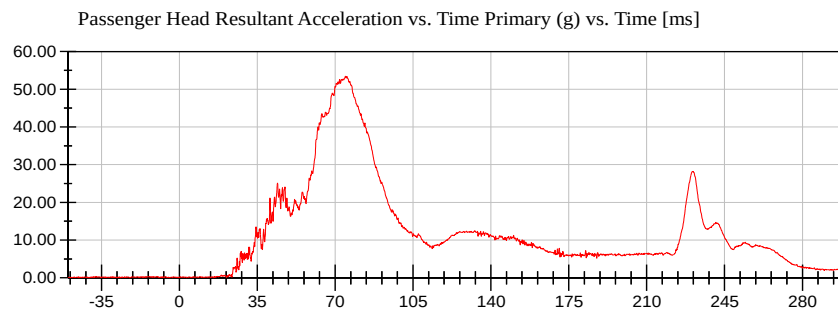
<Max>

23.27 g at 62.00 ms

<Min>

-4.92 g at 82.15 ms

CFC_1000



<Max>

53.42 g at 74.65 ms

<Min>

0.02 g at -40.50 ms

CFC_1000



NHTSA

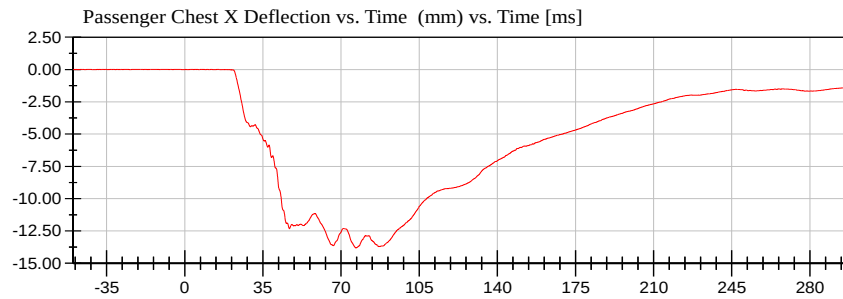
Test Lab: CTF

Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)



<Max>

0.01 mm at 14.85 ms

<Min>

-13.82 mm at 76.65 ms

CFC_600



NHTSA

Test Lab: CTF

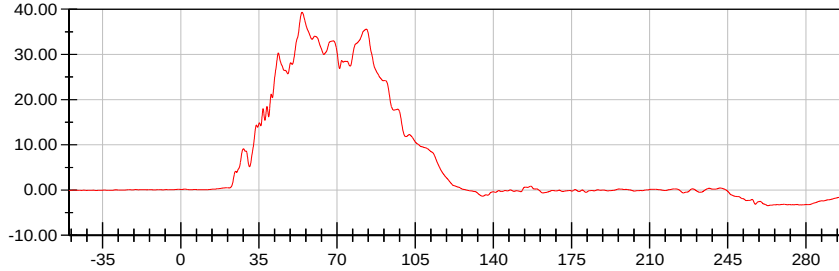
Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)

Passenger Chest X Acceleration vs. Time Primary (g) vs. Time [ms]



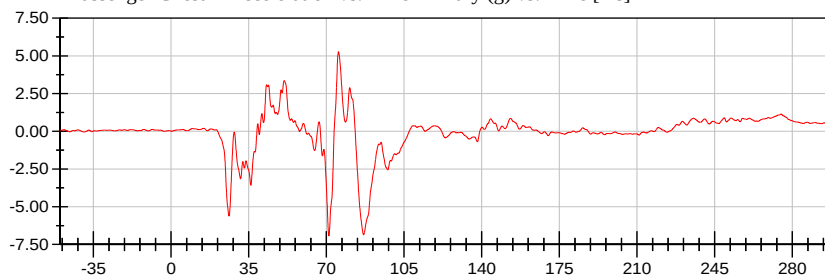
<Max>

39.31 g at 54.35 ms

<Min>

-3.46 g at 263.00 ms

Passenger Chest Y Acceleration vs. Time Primary (g) vs. Time [ms]



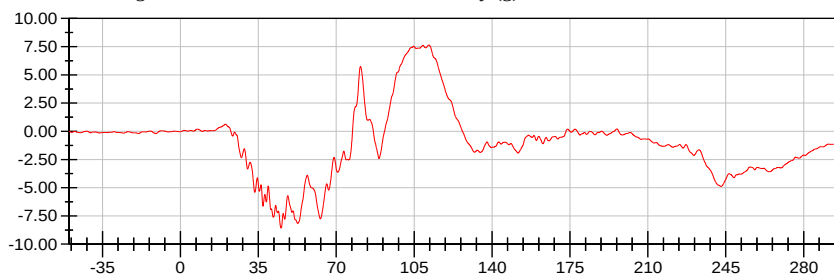
<Max>

5.27 g at 75.45 ms

<Min>

-6.94 g at 71.10 ms

Passenger Chest Z Acceleration vs. Time Primary (g) vs. Time [ms]



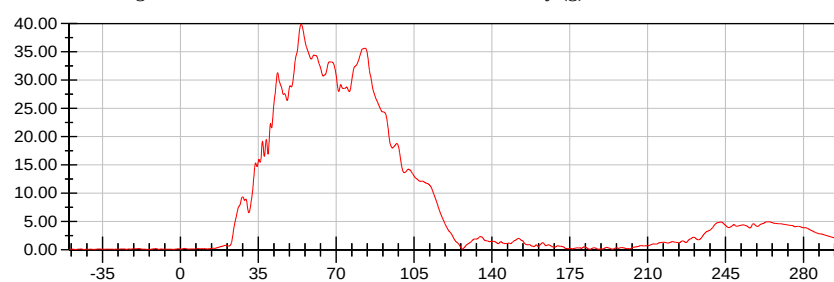
<Max>

7.64 g at 111.60 ms

<Min>

-8.58 g at 45.25 ms

Passenger Chest Resultant Acceleration vs. Time Primary (g) vs. Time [ms]



<Max>

39.91 g at 54.25 ms

<Min>

0.05 g at -47.15 ms



NHTSA

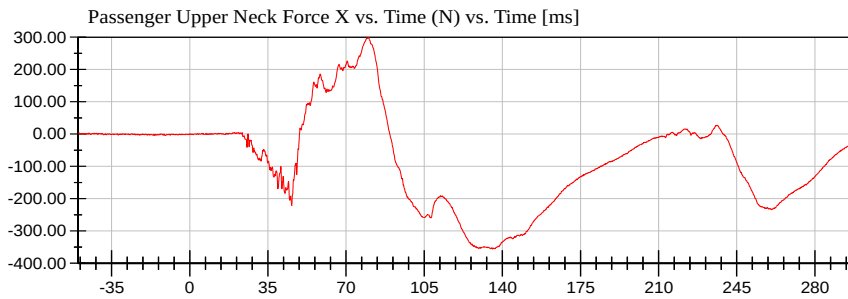
Test Lab: CTF

Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)



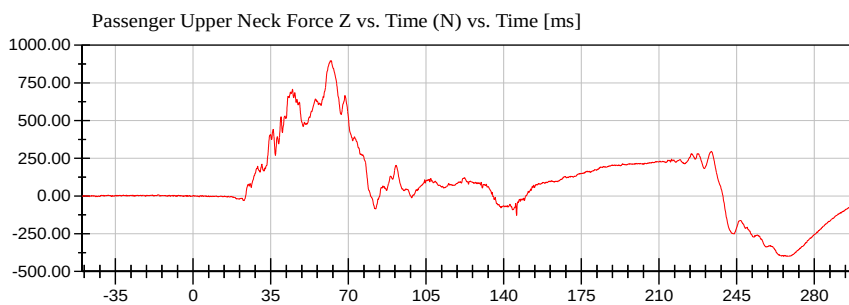
<Max>

299.40 N at 80.15 ms

<Min>

-355.76 N at 135.60 ms

CFC_1000



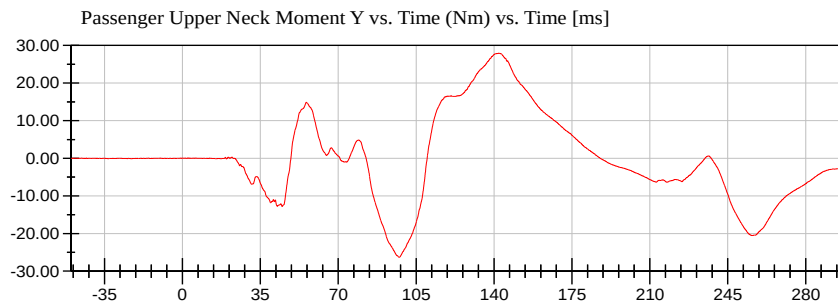
<Max>

896.36 N at 62.35 ms

<Min>

-400.26 N at 266.20 ms

CFC_1000



<Max>

27.93 Nm at 142.05 ms

<Min>

-26.32 Nm at 97.40 ms

CFC_600





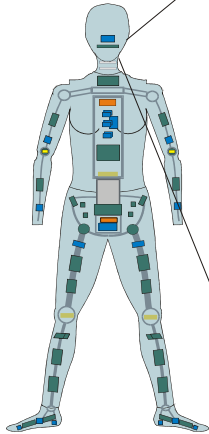
2025 Chevrolet Tahoe NCAP 35 mph Frontal Impact Neck Injury Predictor (NIJ)

Date: 04/29/2025
Time: 14:42

Customer: NHTSA

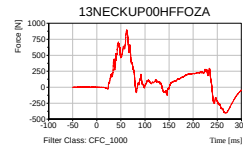
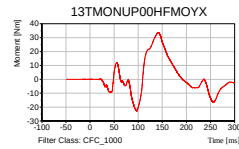
Test Number: M20250107

Test Orientation = Frontal
Fzc(Tension) = 4287
Fzc(Compression) = 3880
Myc(Extension) = 67
Myc(Flexion) = 155

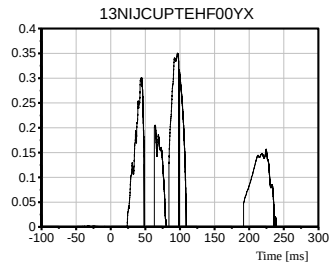


Dummy: HIII 5th Female
Seating Position:
Right Front Passenger

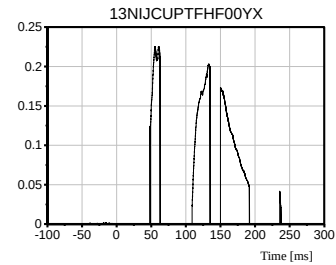
NIJ Source Code: (Fz/Fzc)+(Myc/Myc)



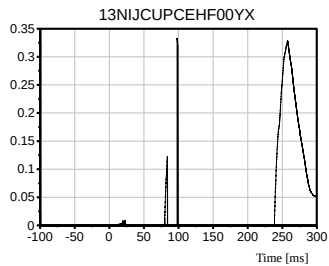
TRC Inc. Test Lab: CTF
Test Number: 250429



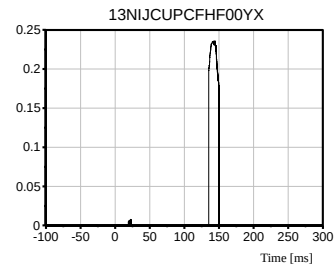
Max [NTE] 0.3506 at 96.35 ms



Max [NTF] 0.2255 at 60.85 ms



Max [NCE] 0.3332 at 98.10 ms



Max [NCF] 0.2359 at 144.05 ms

NHTSA

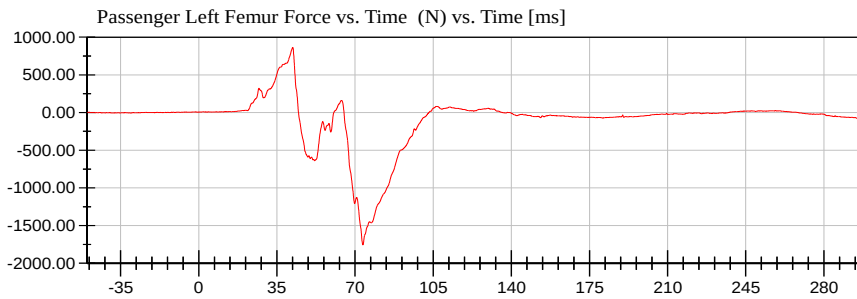
Test Lab: CTF

Test Number: 250429 (M20250107)

Test Date: 04/29/2025

Position #1 Hybrid III Mid-Sized Adult Male Dummy (037)

Position #2 Hybrid III Small Adult Female (DH1659)



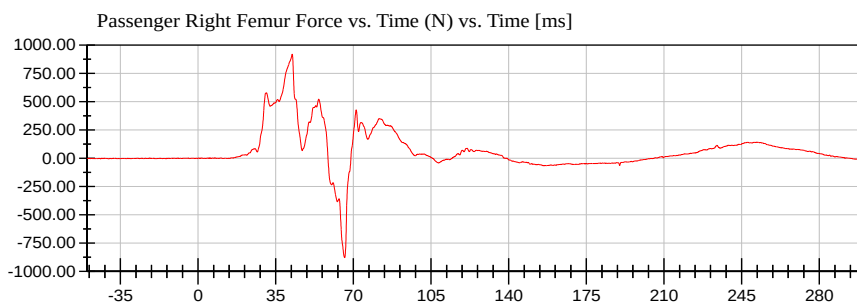
<Max>

863.20 N at 42.10 ms

<Min>

-1,755.88 N at 73.50 ms

CFC_600



<Max>

919.16 N at 42.45 ms

<Min>

-877.25 N at 66.10 ms

CFC_600



APPENDIX C
DUMMY CALIBRATION AND PERFORMANCE VERIFICATION

Pre-Test Calibration Sheets

Driver S/N 037

Transportation Research Center Inc.
572E HIII 50th Male Dummy
External Dimensions
Serial No. 037
Calibration No. 99

Symbol	Description	Specification	Results	Pass
		mm	mm	
A	Total Sitting Height	878.8 - 889.0	882	Yes
B	Shoulder Pivot Height	505.5 - 520.7	510	Yes
C	H-Point Height	83.8 - 88.9	86	Yes
D	H-Point From Seatback	134.6 - 139.7	137	Yes
E	Shoulder Pivot From Backline	83.8 - 94.0	90	Yes
F	Thigh Clearance	139.7 - 154.9	150	Yes
G	Back Of Elbow To Wrist Pivot	289.6 - 304.8	295	Yes
H	Skull Cap To Backline	40.6 - 45.7	45	Yes
I	Shoulder-Elbow Length	330.2 - 345.4	337	Yes
J	Elbow Rest Height	190.5 - 210.8	198	Yes
K	Buttock Knee Length	579.1 - 604.5	601	Yes
L	Popliteal Height	429.3 - 454.7	440	Yes
M	Knee Pivot Height	485.1 - 500.4	494	Yes
N	Buttock Popliteal Length	452.1 - 477.5	470	Yes
O	Chest Depth	213.4 - 228.6	225	Yes
P	Foot Length	251.5 - 266.7	264	Yes
V	Shoulder Breadth	421.6 - 436.9	425	Yes
W	Foot Breadth	91.4 - 106.7	96	Yes
Y	Chest Circumference	970.3 - 1000.8	991	Yes
Z	Waist Circumference	835.7 - 866.1	865	Yes
AA	Location For Chest Circumference	429.3 - 434.3	432	Yes
BB	Location For Waist Circumference	226.1 - 231.1	229	Yes



Revised 8/10/12

Report Number: 037_H3F99

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Transportation Research Center Inc.

Front Head Drop

HIII 50th Serial No. 037 Certification No. 99-2

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.4 °C	Yes
Relative Humidity	10 - 70 %	33 %	Yes
Peak Head Resultant Acceleration	225 - 275 g	230.3 g	Yes
Peak Head Lateral Acceleration	(-15) - 15 g	7.0 g	Yes
Is Acceleration Curve Unimodal within 10% of Peak?	< 10 %	0.91 %	Yes

Test meets specifications.

Condition: Used

Comments:

Head Skin S/N: N/A

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 13:12:17 614



Report Number: 037_H3F99

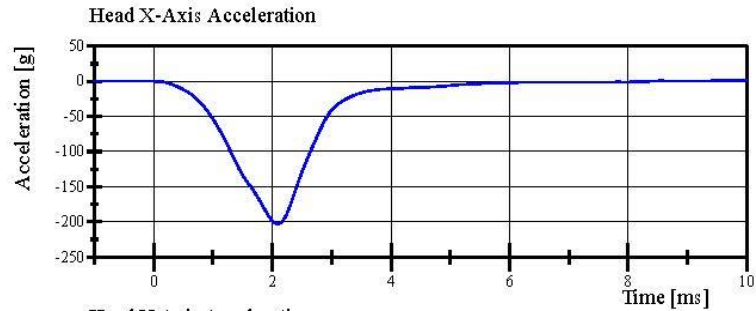
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Transportation Research Center Inc.

Front Head Drop

HIII 50th Serial No. 037 Certification No. 99-2

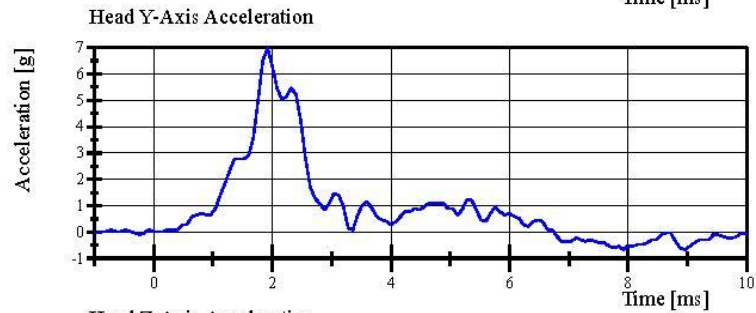
Test Date: 4/9/2025



Filter Class: CFC_1000

Max: 1.4 g at 9.9 ms

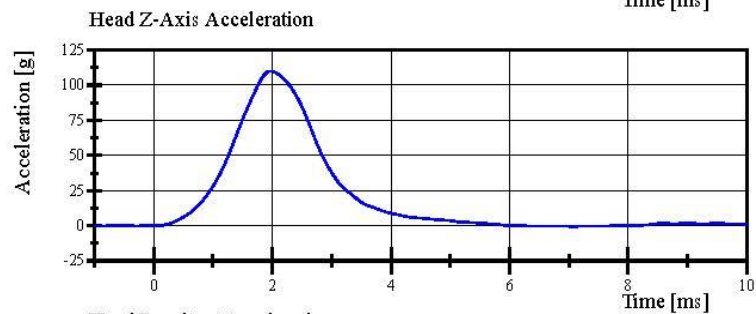
Min: -203.2 g at 2.1 ms



Filter Class: CFC_1000

Max: 7.0 g at 1.9 ms

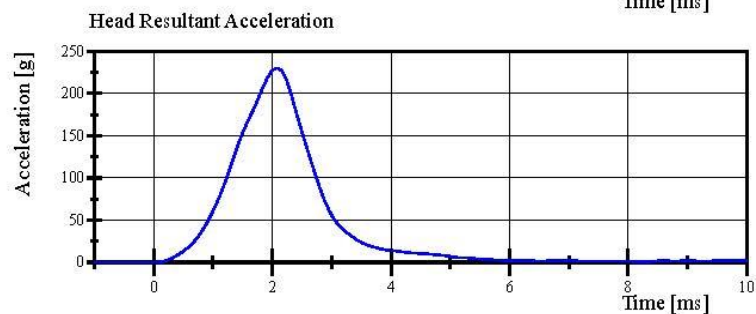
Min: -0.7 g at 7.9 ms



Filter Class: CFC_1000

Max: 109.9 g at 2.0 ms

Min: -0.5 g at 7.1 ms



Filter Class: CFC_1000

Max: 230.3 g at 2.1 ms

Min: 0.0 g at -0.4 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 13:12:46 614



Transportation Research Center Inc.

Neck Flexion

HIII 50th Serial No. 037 Certification No. 99-1

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.3 °C	Yes
Relative Humidity	10 - 70 %	32 %	Yes
Pendulum Velocity	6.89 - 7.13 m/s	6.954 m/s	Yes
Pendulum Acceleration Decay			
Crossing -5g	34 - 42 ms	39.6 ms	Yes
Pendulum Acceleration			
at 10ms	(-22.5) - (-27.5) g	-23.72 g	Yes
at 20ms	(-17.6) - (-22.6) g	-20.00 g	Yes
at 30ms	(-12.5) - (-18.5) g	-15.15 g	Yes
> 30ms	>= (-29.0) g	-15.15 g	Yes
Total Head D-Plane Rotation			
Peak	(-64) - (-78) °	-72.6 °	Yes
Time of Peak	57 - 64 ms	60.3 ms	Yes
Decay to 0°	113 - 128 ms	118.9 ms	Yes
Total Neck Occipital Condyles Moment			
Peak	88.1 - 108.4 N·m	99.34 N·m	Yes
Time of Peak	47 - 58 ms	52.6 ms	Yes
Decay to 0 N·m	97 - 107 ms	98.9 ms	Yes

Test meets specifications.

Condition: Used

Comments:

Neck S/N: 4728

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 11:07:21 1864

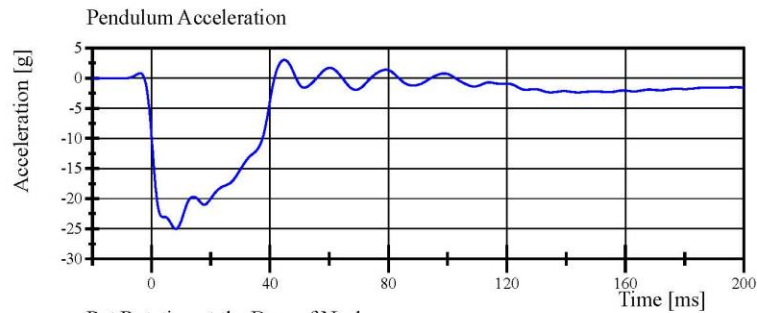


Transportation Research Center Inc.

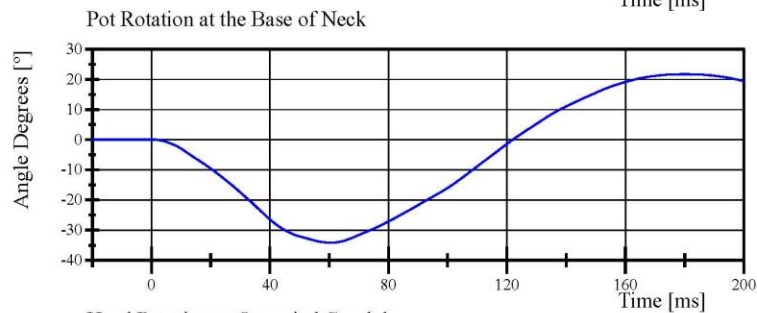
Neck Flexion

HIII 50th Serial No. 037 Certification No. 99-1

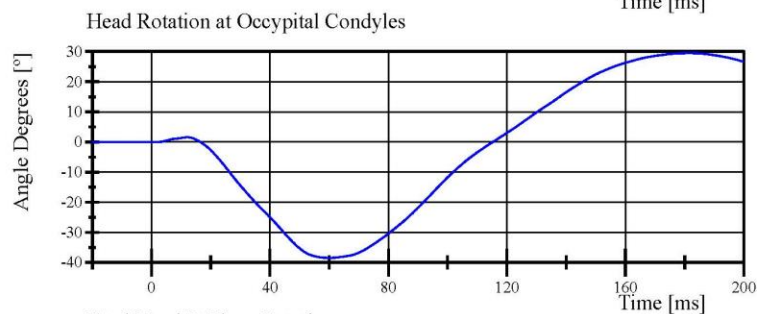
Test Date: 4/9/2025



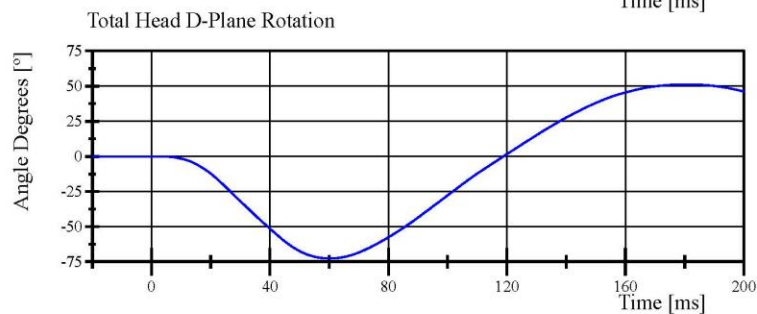
Filter Class: CFC_60
Max: 3.0 g at 44.8 ms
Min: -25.0 g at 8.3 ms



Filter Class: CFC_60
Max: 21.7 ° at 180.0 ms
Min: -34.2 ° at 60.6 ms



Filter Class: CFC_60
Max: 29.5 ° at 181.5 ms
Min: -38.5 ° at 60.1 ms



Filter Class: CFC_60
Max: 51.2 ° at 180.9 ms
Min: -72.6 ° at 60.3 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 11:07:52 1864

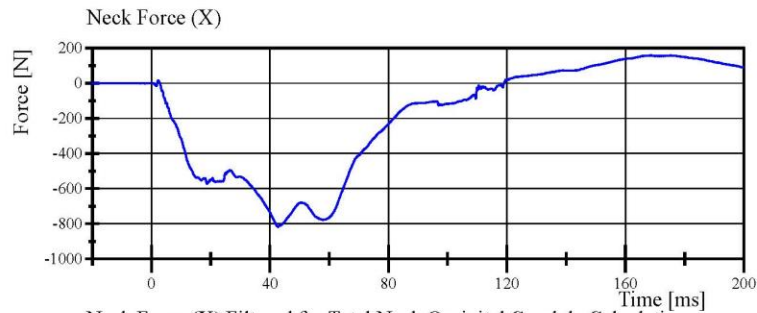


Transportation Research Center Inc.

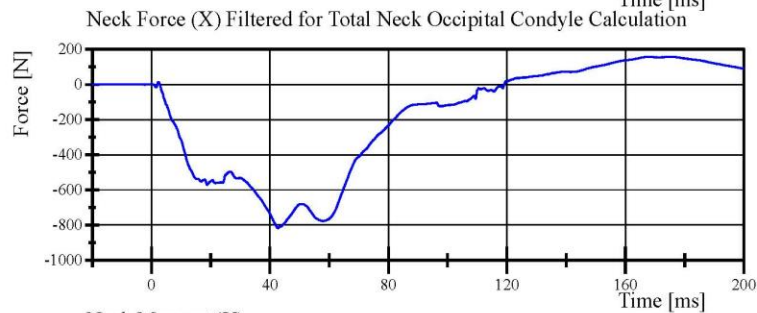
Neck Flexion

HIII 50th Serial No. 037 Certification No. 99-1

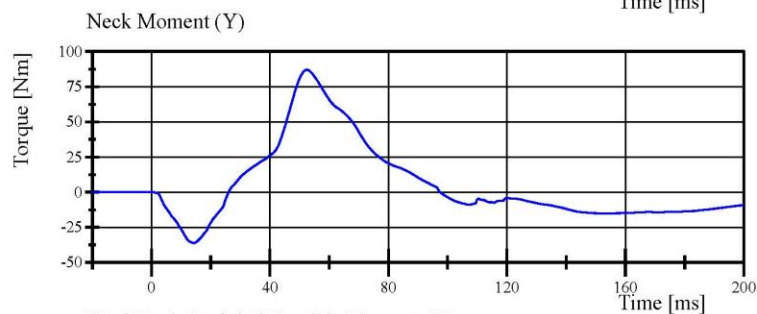
Test Date: 4/9/2025



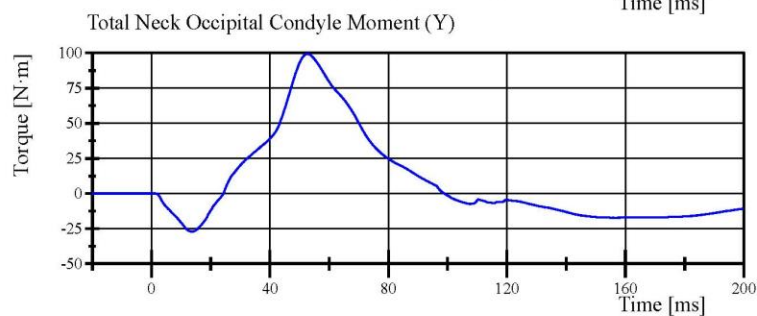
Filter Class: CFC_1000
Max: 157.9 N at 175.3 ms
Min: -818.3 N at 42.7 ms



Filter Class: CFC_600
Max: 157.5 N at 168.6 ms
Min: -817.6 N at 42.7 ms



Filter Class: CFC_600
Max: 87.1 Nm at 52.5 ms
Min: -36.1 Nm at 14.3 ms



Filter Class: Without_(Constar
Max: 99.3 N·m at 52.6 ms
Min: -27.0 N·m at 13.7 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 11:07:52 1864



Transportation Research Center Inc.

Neck Extension

HIH 50th Serial No. 037 Certification No. 99-1

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.2 °C	Yes
Relative Humidity	10 - 70 %	32 %	Yes
Pendulum Velocity	(-5.95) - (-6.18) m/s	-6.003 m/s	Yes
Pendulum Acceleration Decay			
Crossing 5g	38 - 46 ms	43.7 ms	Yes
Pendulum Acceleration			
at 10ms	17.2 - 21.2 g	17.45 g	Yes
at 20ms	14.0 - 19.0 g	16.76 g	Yes
at 30ms	11.0 - 16.0 g	13.55 g	Yes
> 30ms	<= 22.0 g	13.55 g	Yes
Total Head D-Plane Rotation			
Peak	81 - 106 °	98.0 °	Yes
Time of Peak	72 - 82 ms	80.1 ms	Yes
Decay to 0°	147 - 174 ms	161.9 ms	Yes
Total Neck Occipital Condyles Moment			
Peak	(-52.9) - (-80) N·m	-62.23 N·m	Yes
Time of Peak	65 - 79 ms	73.9 ms	Yes
Decay to 0 N·m	120 - 148 ms	144.8 ms	Yes

Test meets specifications.

Condition: Used

Comments:

Neck S/N: 4728

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 12:29:10 2008

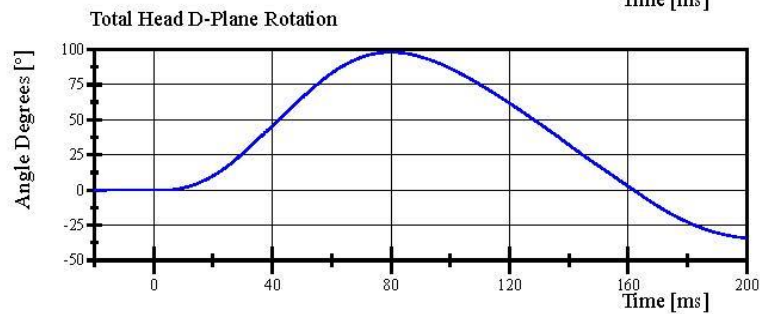
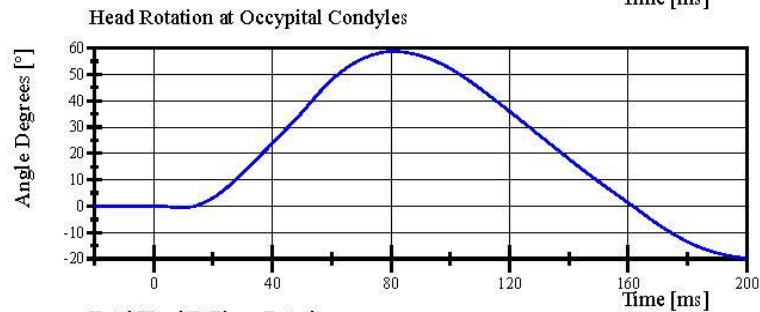
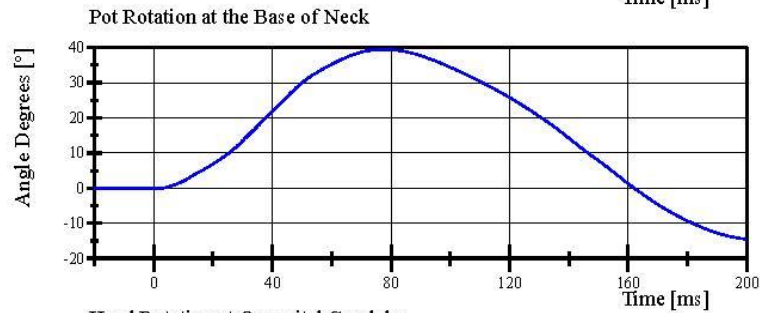
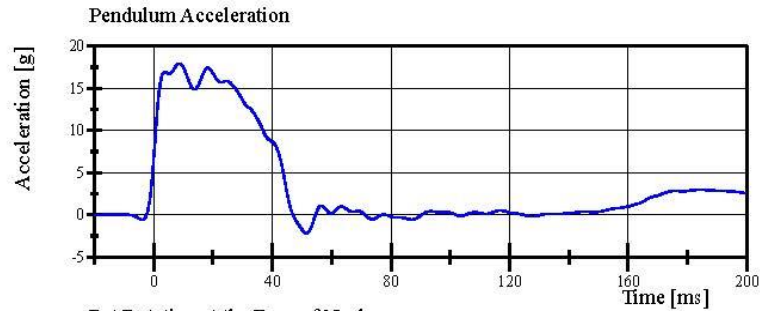


Transportation Research Center Inc.

Neck Extension

HIII 50th Serial No. 037 Certification No. 99-1

Test Date: 4/9/2025



Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 12:29:49 2008

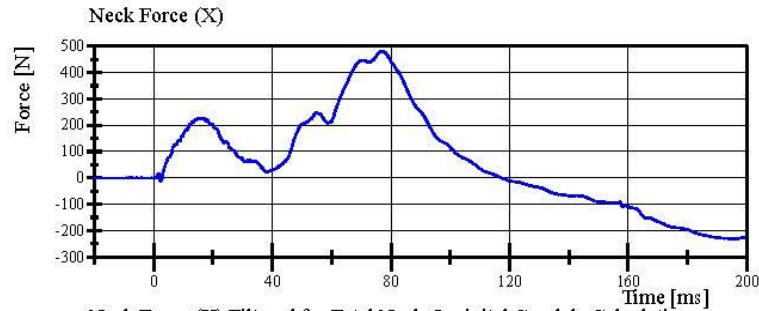


Transportation Research Center Inc.

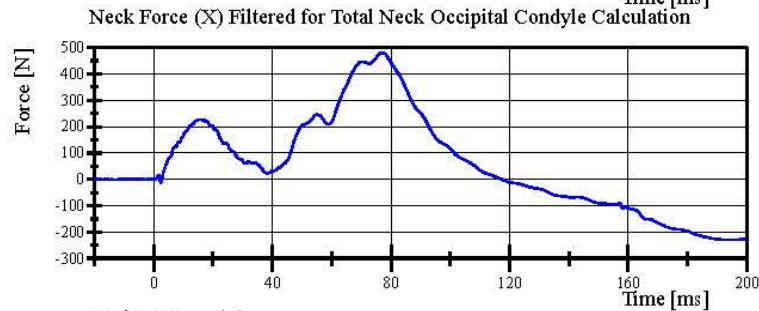
Neck Extension

HIII 50th Serial No. 037 Certification No. 99-1

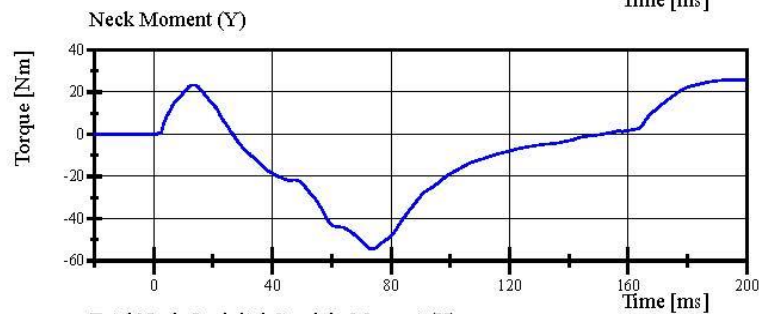
Test Date: 4/9/2025



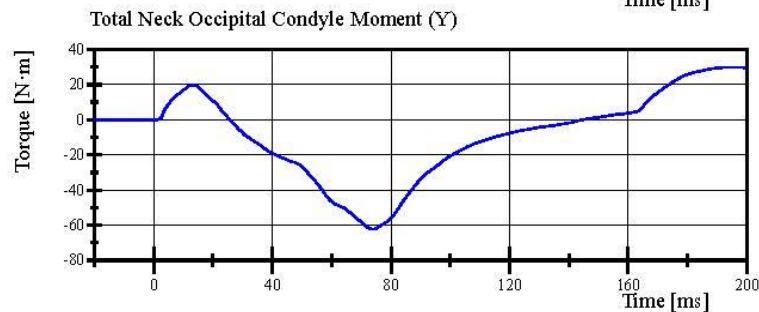
Filter Class: CFC_1000
Max: 480.4 N at 76.6 ms
Min: -230.1 N at 195.9 ms



Filter Class: CFC_600
Max: 480.0 N at 76.8 ms
Min: -229.9 N at 196.0 ms



Filter Class: CFC_600
Max: 25.7 Nm at 194.5 ms
Min: -54.4 Nm at 73.6 ms



Filter Class: Without_(Constar
Max: 29.8 N·m at 194.4 ms
Min: -62.2 N·m at 73.9 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 12:29:49 2008



Transportation Research Center Inc.

Front Thorax

HIII 50th Serial No. 037 Certification No. 99-2

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.1 °C	Yes
Relative Humidity	10 - 70 %	31 %	Yes
Probe Velocity	6.59 - 6.83 m/s	6.748 m/s	Yes
Probe Force Peak	(-5,160) - (-5,894) N	-5,697.0 N	Yes
Maximum Chest Compression	(-63.5) - (-72.6) mm	-63.85 mm	Yes
Internal Hysteresis	69 - 85 %	69.0 %	Yes

Test meets specifications.

Condition: Used

Comments:

Jacket S/N: EX0700

Rib Set S/N: 10362

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 09:24:57 433

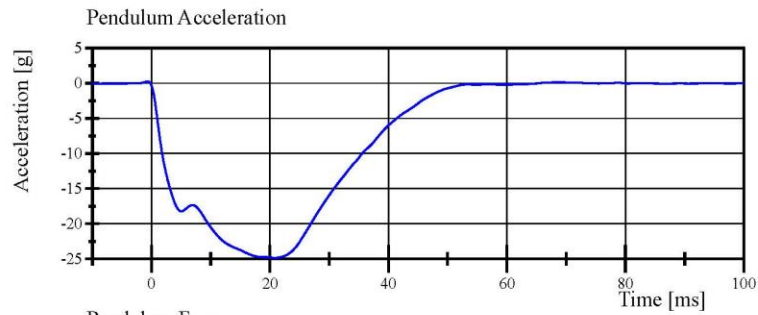


Transportation Research Center Inc.

Front Thorax

HIII 50th Serial No. 037 Certification No. 99-2

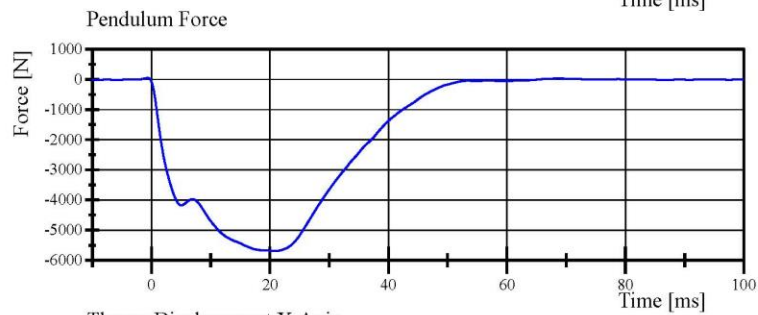
Test Date: 4/9/2025



Filter Class: CFC_180

Max: 0.2 g at -0.6 ms

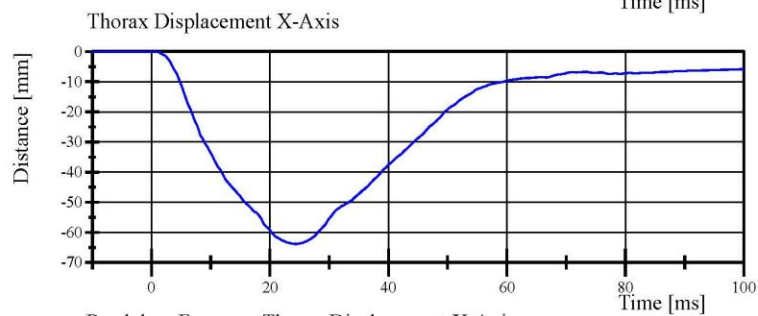
Min: -24.9 g at 20.8 ms



Filter Class: CFC_180

Max: 50.9 N at -0.6 ms

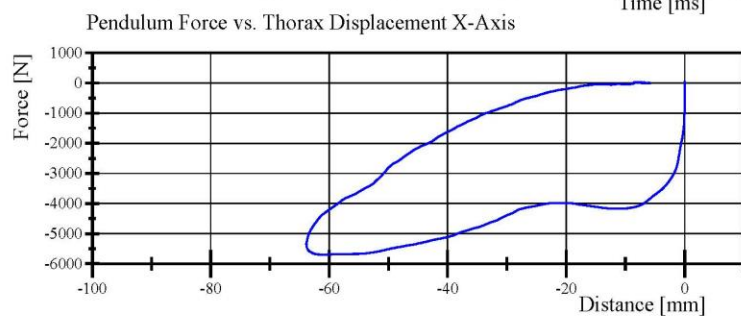
Min: -5,697.0 N at 20.8 ms



Filter Class: CFC_600

Max: 0.0 mm at -6.6 ms

Min: -63.8 mm at 24.4 ms



Filter Class: CFC_180

Max: 50.9 N at -0.0 mm

Min: -5,697.0 N at -61.1 mm

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 09:25:28 433



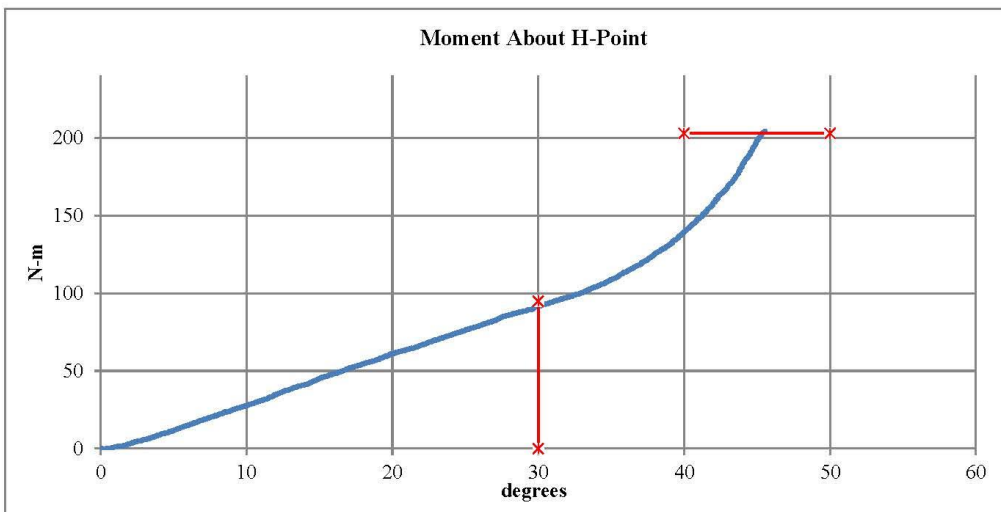
Transportation Research Center Inc.

Hybrid III 50th Male Hip Range of Motion

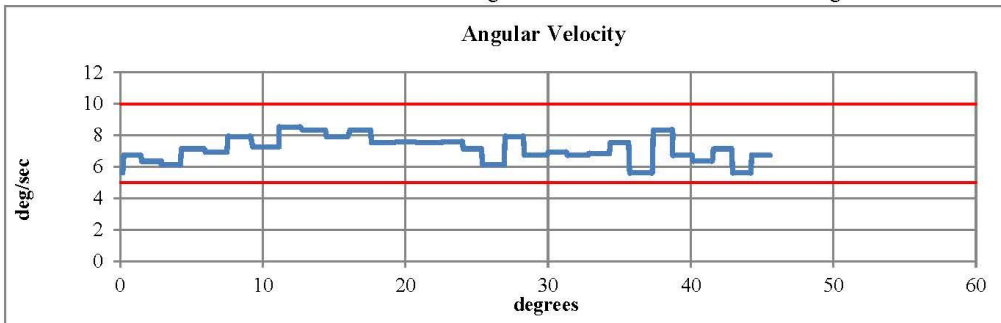


Serial Number: 037 Date: 09-Apr-2025
Side Tested: Left Hip Time: 10:43
Test Number: 1

TEST PARAMETER	SPECIFICATION		TEST RESULTS		
Temperature	18.9	- 25.6	21.1	°C	Pass
Humidity	10	- 70	31	%	Pass
Moment at 30°	0	≤ 94.9	91.95	N-m	Pass
Angle at 203 Nm	40	- 50	45.55	deg	Pass
Average Velocity	5	- 10	7.14	deg/sec	Pass



Max: 8.53 deg/sec Min: 5.62 deg/sec



Comments:
Pelvis S/N: EU6859

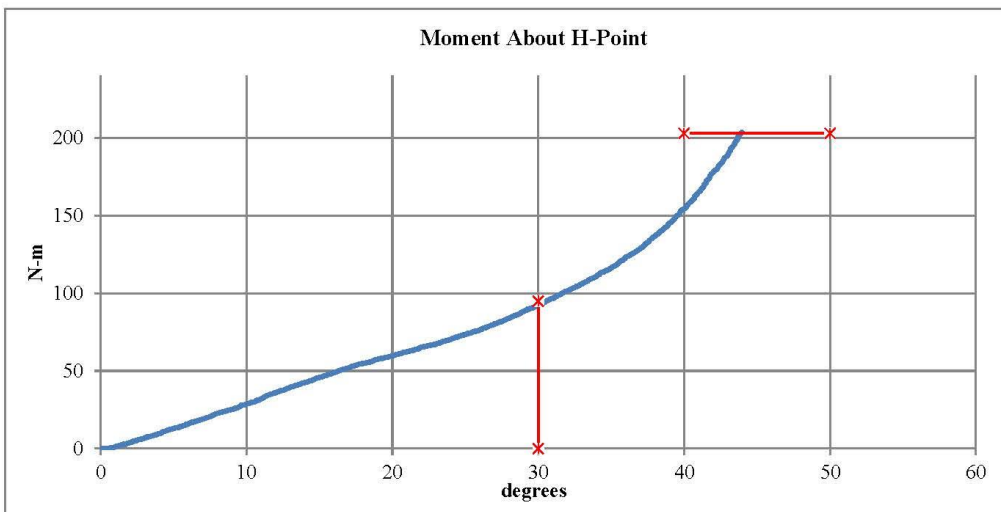
Transportation Research Center Inc.

Hybrid III 50th Male Hip Range of Motion

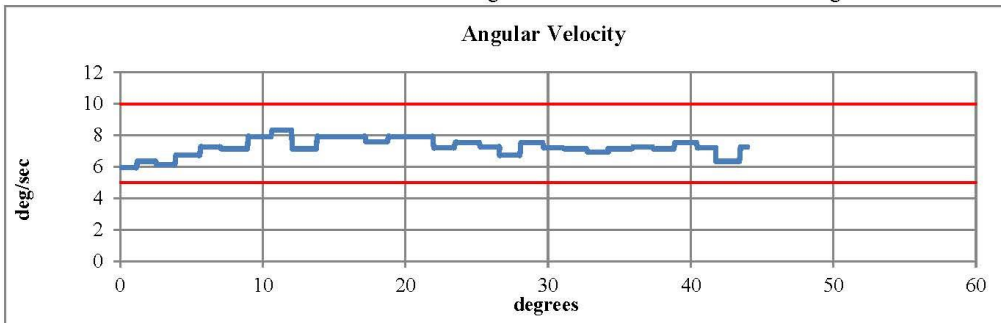


Serial Number: 037 Date: 09-Apr-2025
Side Tested: Right Hip Time: 11:14
Test Number: 1

TEST PARAMETER	SPECIFICATION		TEST RESULTS		
Temperature	18.9	- 25.6	21.2	°C	Pass
Humidity	10	- 70	31	%	Pass
Moment at 30°	0	≤ 94.9	92.29	N-m	Pass
Angle at 203 Nm	40	- 50	43.97	deg	Pass
Average Velocity	5	- 10	7.24	deg/sec	Pass



Max: 8.33 deg/sec Min: 5.95 deg/sec



Comments:

Pelvis S/N: EU6859

Transportation Research Center Inc.

Left Knee Femur Response Test

HIII 50th Serial No. 037 Certification No. 99-1

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.5 °C	21.0 °C	Yes
Relative Humidity	10 - 70 %	31 %	Yes
Probe Velocity	2.07 - 2.13 m/s	2.126 m/s	Yes
Peak Femur Force	(-4,715.2) - (-5,782.6) N	-5,496.70 N	Yes

Test meets specifications.

Condition: Used

Comments:

Knee Skin S/N: 2672

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 10:14:16 1729



Report Number: 037_H3F99

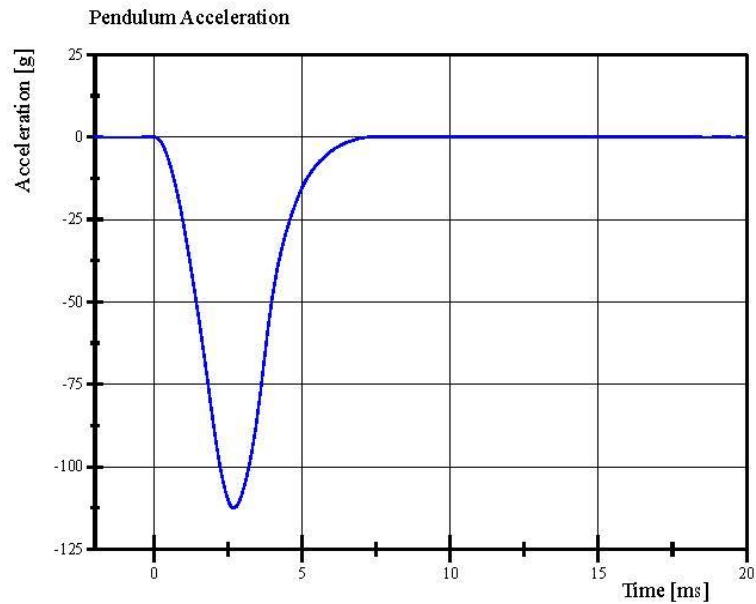
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Transportation Research Center Inc.

Left Knee Femur Response Test

HIII 50th Serial No. 037 Certification No. 99-1

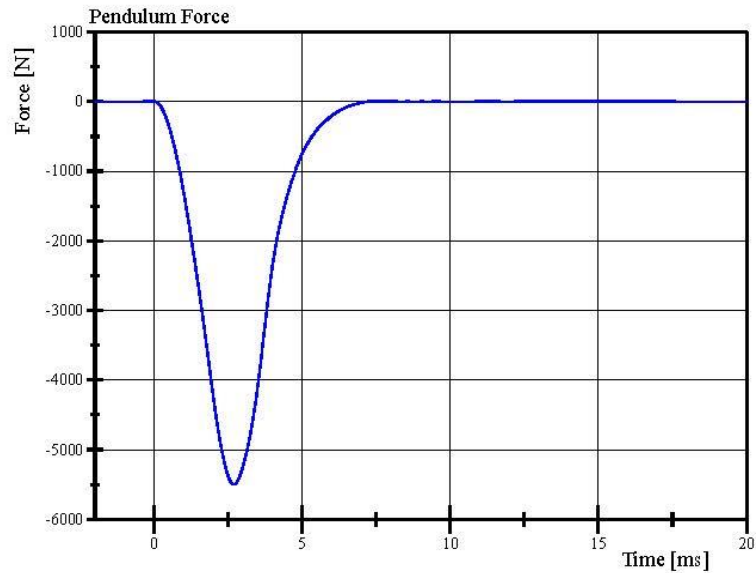
Test Date: 4/9/2025



Filter Class: CFC_600

Max: 0.2 g at 7.6 ms

Min: -112.6 g at 2.7 ms



Filter Class: CFC_600

Max: 10.3 N at 7.6 ms

Min: -5,496.7 N at 2.7 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 10:14:50 1729



Transportation Research Center Inc.

Right Knee Femur Response Test
HIII 50th Serial No. 037 Certification No. 99-2
Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.5 °C	21.4 °C	Yes
Relative Humidity	10 - 70 %	31 %	Yes
Probe Velocity	2.07 - 2.13 m/s	2.119 m/s	Yes
Peak Femur Force	(-4,715.2) - (-5,782.6) N	-5,444.68 N	Yes

Test meets specifications.

Condition: Used

Comments:

Knee Skin S/N: 1248

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 10:50:32 1744

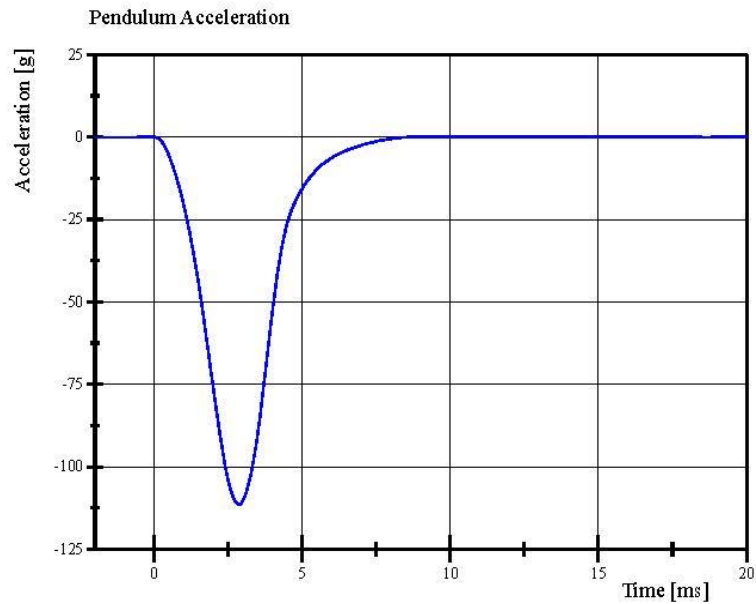


Report Number: 037_H3F99

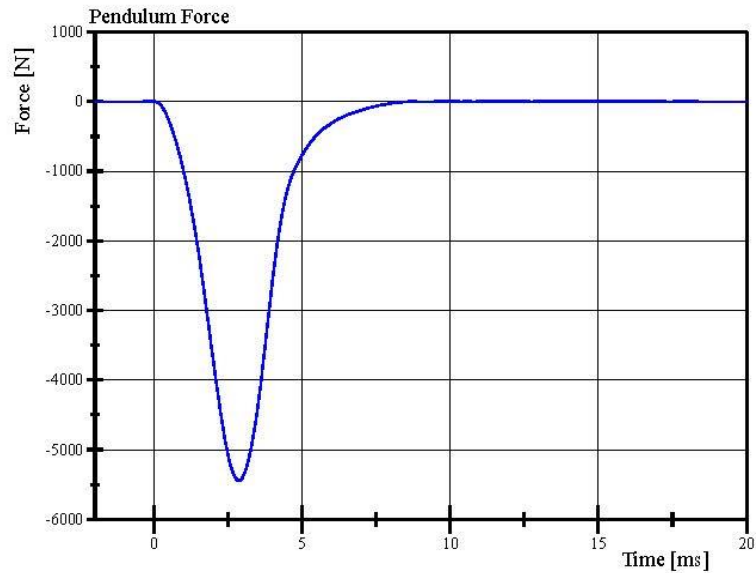
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Transportation Research Center Inc.

Right Knee Femur Response Test
HIII 50th Serial No. 037 Certification No. 99-2
Test Date: 4/9/2025



Filter Class: CFC_600
Max: 0.2 g at 14.5 ms
Min: -111.5 g at 2.9 ms



Filter Class: CFC_600
Max: 8.2 N at 14.5 ms
Min: -5,444.7 N at 2.9 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

04.09.2025 10:51:08 1744



Post-Test Calibration Sheets

Driver S/N 037

Transportation Research Center Inc.
572E HIII 50th Male Dummy
External Dimensions
Serial No. 037
Calibration No. 100

Symbol	Description	Specification	Results	Pass
		mm	mm	
A	Total Sitting Height	878.8 - 889.0	882	Yes
B	Shoulder Pivot Height	505.5 - 520.7	510	Yes
C	H-Point Height	83.8 - 88.9	86	Yes
D	H-Point From Seatback	134.6 - 139.7	137	Yes
E	Shoulder Pivot From Backline	83.8 - 94.0	90	Yes
F	Thigh Clearance	139.7 - 154.9	150	Yes
G	Back Of Elbow To Wrist Pivot	289.6 - 304.8	295	Yes
H	Skull Cap To Backline	40.6 - 45.7	45	Yes
I	Shoulder-Elbow Length	330.2 - 345.4	337	Yes
J	Elbow Rest Height	190.5 - 210.8	198	Yes
K	Buttock Knee Length	579.1 - 604.5	601	Yes
L	Popliteal Height	429.3 - 454.7	440	Yes
M	Knee Pivot Height	485.1 - 500.4	494	Yes
N	Buttock Popliteal Length	452.1 - 477.5	470	Yes
O	Chest Depth	213.4 - 228.6	225	Yes
P	Foot Length	251.5 - 266.7	264	Yes
V	Shoulder Breadth	421.6 - 436.9	425	Yes
W	Foot Breadth	91.4 - 106.7	96	Yes
Y	Chest Circumference	970.3 - 1000.8	991	Yes
Z	Waist Circumference	835.7 - 866.1	865	Yes
AA	Location For Chest Circumference	429.3 - 434.3	432	Yes
BB	Location For Waist Circumference	226.1 - 231.1	229	Yes



Revised 8/10/12

Report Number: 037_H3F100

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Transportation Research Center Inc.

Front Head Drop

HIII 50th Serial No. 037 Certification No. 100-1

Test Date: 5/2/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.7 °C	Yes
Relative Humidity	10 - 70 %	62 %	Yes
Peak Head Resultant Acceleration	225 - 275 g	229.7 g	Yes
Peak Head Lateral Acceleration	(-15) - 15 g	8.0 g	Yes
Is Acceleration Curve Unimodal within 10% of Peak?	< 10 %	2.11 %	Yes

Test meets specifications.

Condition: Used

Comments:

Head Skin S/N: N/A

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.02.2025 10:00:19 613

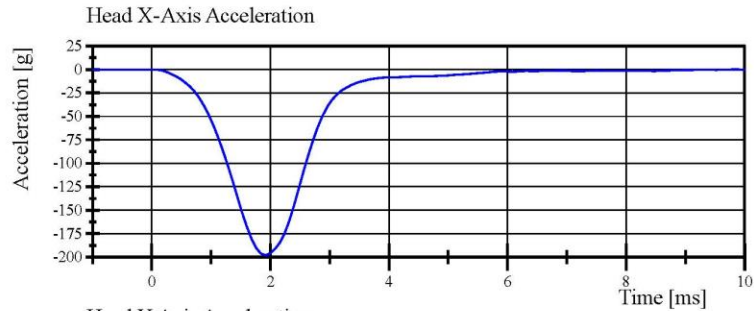


Transportation Research Center Inc.

Front Head Drop

HIII 50th Serial No. 037 Certification No. 100-1

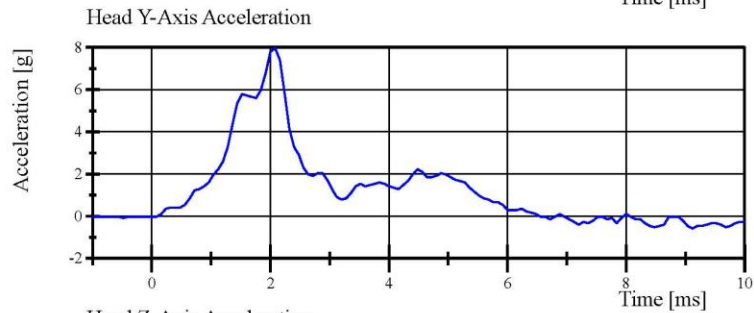
Test Date: 5/2/2025



Filter Class: CFC_1000

Max: 0.1 g at 9.8 ms

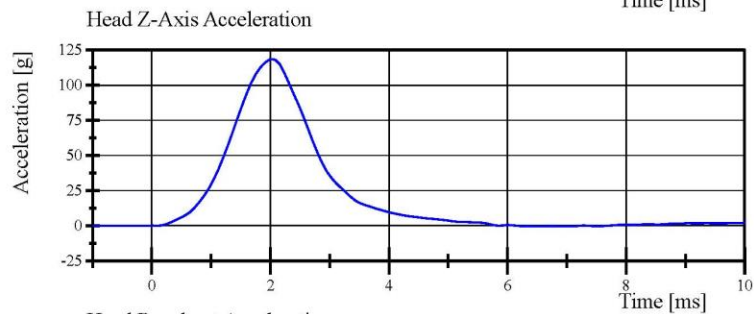
Min: -198.0 g at 1.9 ms



Filter Class: CFC_1000

Max: 8.0 g at 2.1 ms

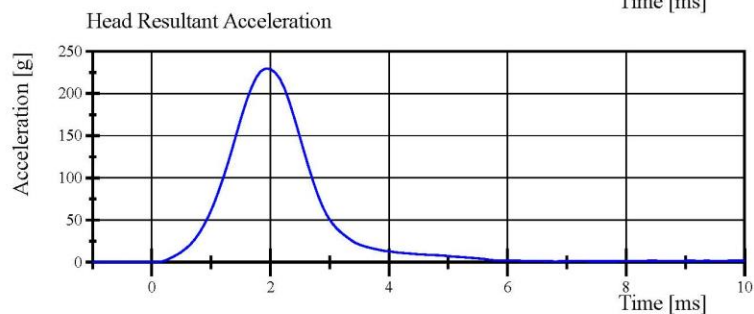
Min: -0.6 g at 9.1 ms



Filter Class: CFC_1000

Max: 118.5 g at 2.0 ms

Min: -0.5 g at 7.0 ms



Filter Class: CFC_1000

Max: 229.7 g at 1.9 ms

Min: 0.0 g at -0.7 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.02.2025 10:00:48 613



Transportation Research Center Inc.

Neck Flexion

HIII 50th Serial No. 037 Certification No. 100-1

Test Date: 5/2/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.6 °C	Yes
Relative Humidity	10 - 70 %	62 %	Yes
Pendulum Velocity	6.89 - 7.13 m/s	6.970 m/s	Yes
Pendulum Acceleration Decay Crossing -5g	34 - 42 ms	39.1 ms	Yes
Pendulum Acceleration at 10ms	(-22.5) - (-27.5) g	-23.82 g	Yes
at 20ms	(-17.6) - (-22.6) g	-20.80 g	Yes
at 30ms	(-12.5) - (-18.5) g	-15.25 g	Yes
> 30ms	>= (-29.0) g	-15.25 g	Yes
Total Head D-Plane Rotation Peak	(-64) - (-78) °	-66.6 °	Yes
Time of Peak	57 - 64 ms	60.3 ms	Yes
Decay to 0°	113 - 128 ms	117.8 ms	Yes
Total Neck Occipital Condyles Moment Peak	88.1 - 108.4 N·m	101.13 N·m	Yes
Time of Peak	47 - 58 ms	52.2 ms	Yes
Decay to 0 N·m	97 - 107 ms	99.0 ms	Yes

Test meets specifications.

Condition: Used

Comments:

Neck S/N: 4728

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.02.2025 10:38:06 1864

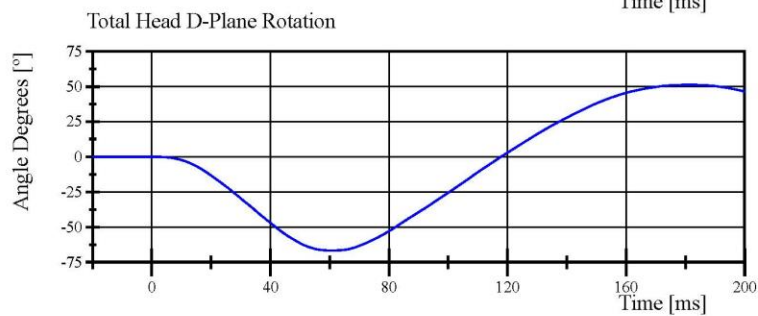
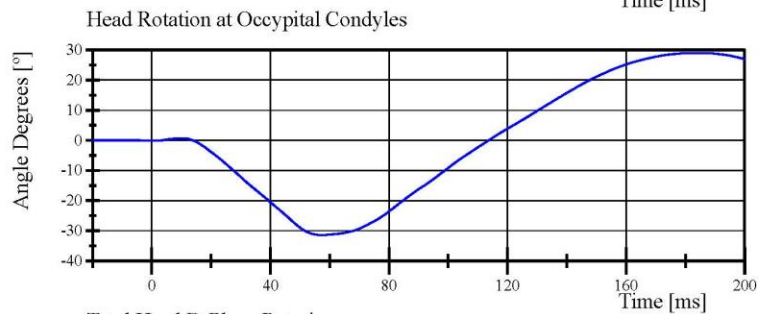
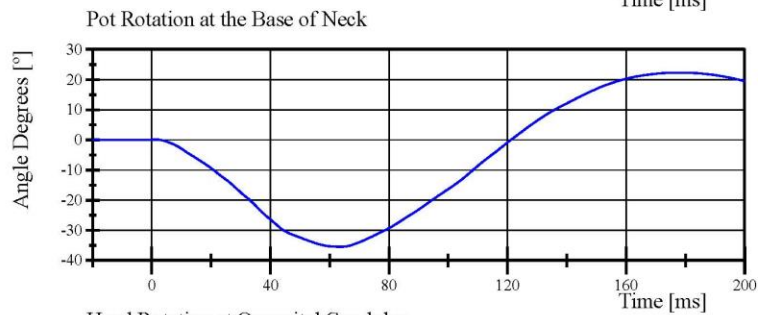
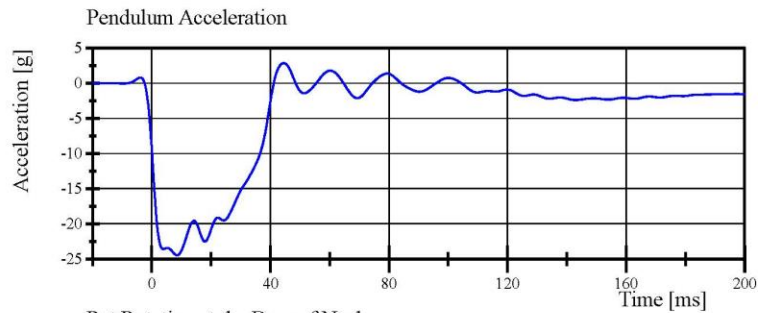


Transportation Research Center Inc.

Neck Flexion

HIII 50th Serial No. 037 Certification No. 100-1

Test Date: 5/2/2025



Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.02.2025 10:38:32 1864

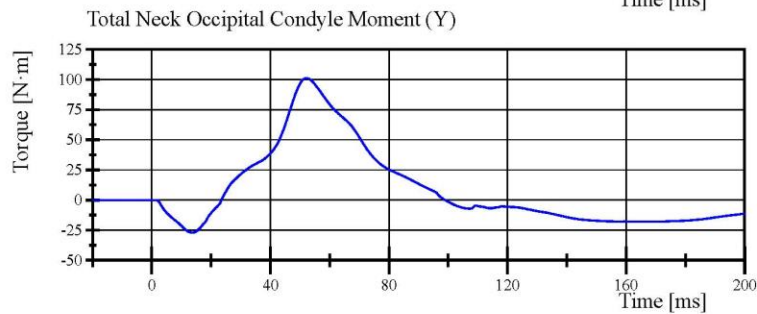
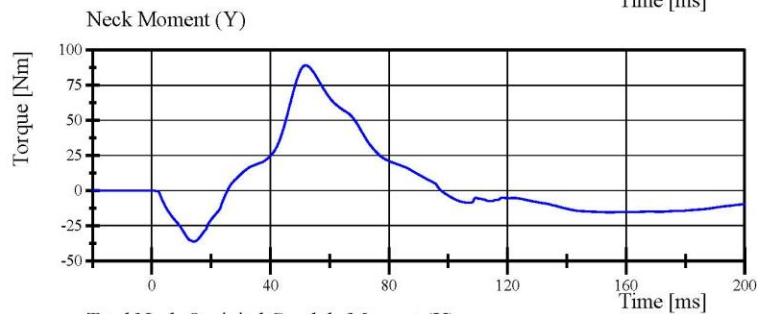
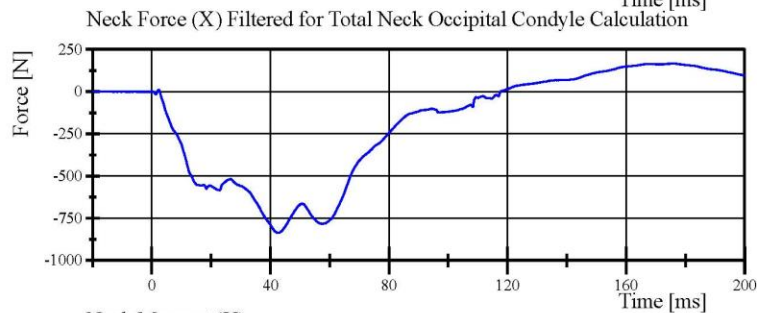
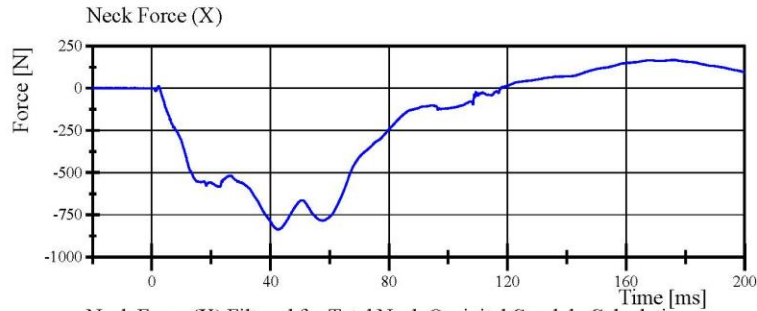


Transportation Research Center Inc.

Neck Flexion

HIII 50th Serial No. 037 Certification No. 100-1

Test Date: 5/2/2025



Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.02.2025 10:38:32 1864



Transportation Research Center Inc.

Neck Extension

HIII 50th Serial No. 037 Certification No. 100-2

Test Date: 5/2/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	20.8 °C	Yes
Relative Humidity	10 - 70 %	62 %	Yes
Pendulum Velocity	(-5.95) - (-6.18) m/s	-6.003 m/s	Yes
Pendulum Acceleration Decay			
Crossing 5g	38 - 46 ms	44.6 ms	Yes
Pendulum Acceleration			
at 10ms	17.2 - 21.2 g	18.45 g	Yes
at 20ms	14.0 - 19.0 g	15.91 g	Yes
at 30ms	11.0 - 16.0 g	12.29 g	Yes
> 30ms	<= 22.0 g	12.40 g	Yes
Total Head D-Plane Rotation			
Peak	81 - 106 °	96.4 °	Yes
Time of Peak	72 - 82 ms	80.5 ms	Yes
Decay to 0°	147 - 174 ms	162.9 ms	Yes
Total Neck Occipital Condyles Moment			
Peak	(-52.9) - (-80) N·m	-63.54 N·m	Yes
Time of Peak	65 - 79 ms	75.0 ms	Yes
Decay to 0 N·m	120 - 148 ms	146.6 ms	Yes

Test meets specifications.

Condition: Used

Comments:

Neck S/N: 4728

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.02.2025 12:03:06 2011

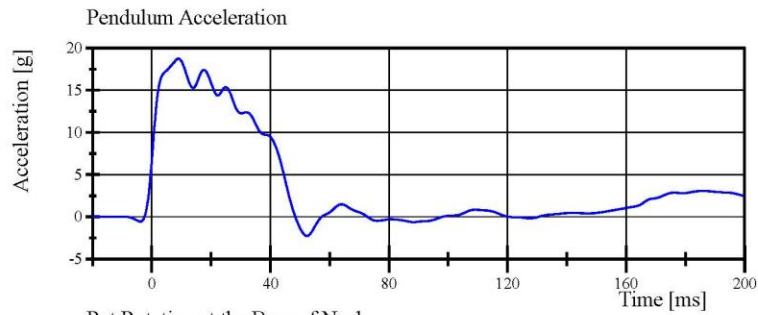


Transportation Research Center Inc.

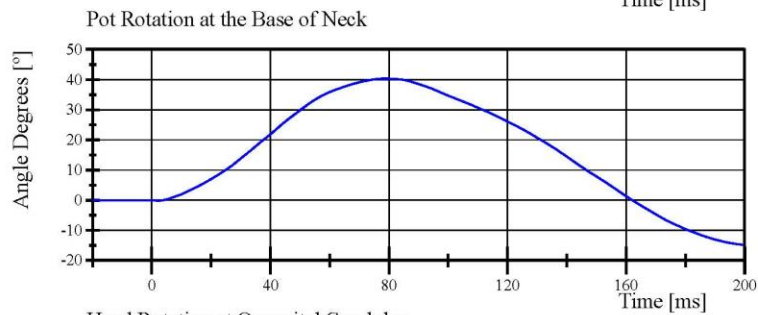
Neck Extension

HIII 50th Serial No. 037 Certification No. 100-2

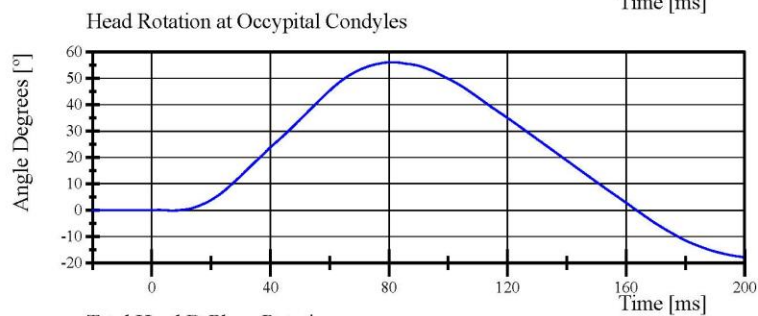
Test Date: 5/2/2025



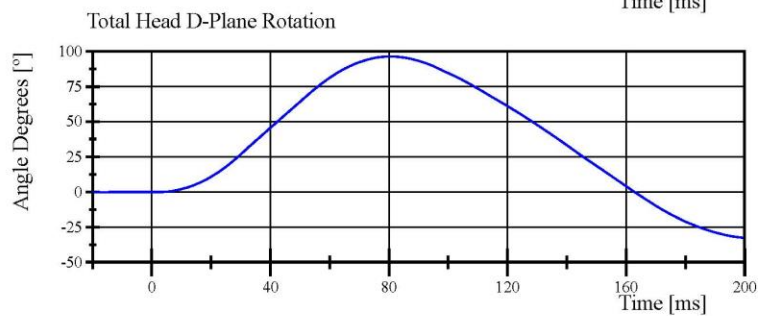
Filter Class: CFC_60
Max: 18.7 g at 9.0 ms
Min: -2.3 g at 52.3 ms



Filter Class: CFC_60
Max: 40.3 ° at 78.7 ms
Min: -14.9 ° at 199.5 ms



Filter Class: CFC_60
Max: 56.1 ° at 81.1 ms
Min: -17.8 ° at 199.5 ms



Filter Class: CFC_60
Max: 96.4 ° at 80.5 ms
Min: -32.7 ° at 199.5 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.02.2025 12:03:33 2011

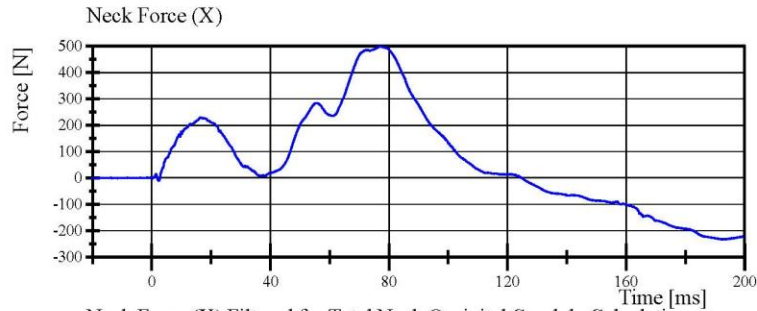


Transportation Research Center Inc.

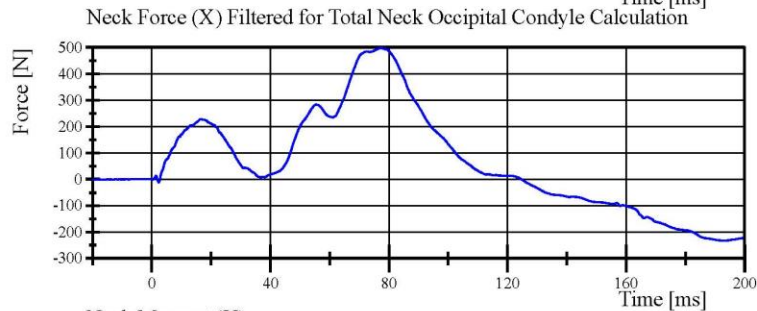
Neck Extension

HIII 50th Serial No. 037 Certification No. 100-2

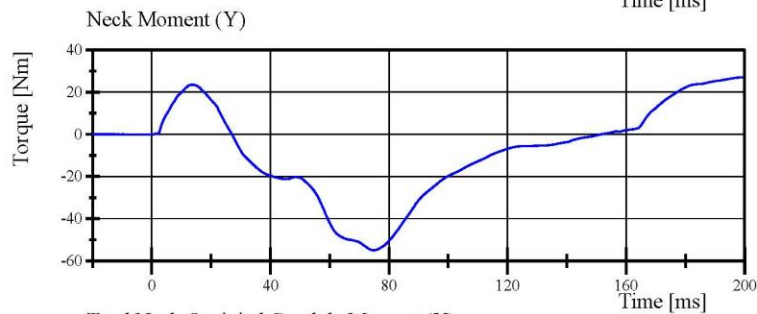
Test Date: 5/2/2025



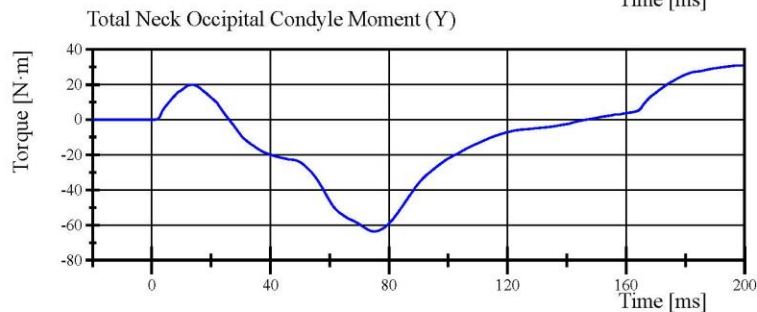
Filter Class: CFC_1000
Max: 498.3 N at 77.3 ms
Min: -233.1 N at 192.9 ms



Filter Class: CFC_600
Max: 498.1 N at 77.3 ms
Min: -232.3 N at 192.9 ms



Filter Class: CFC_600
Max: 26.9 Nm at 199.4 ms
Min: -54.9 Nm at 74.8 ms



Filter Class: Without_(Constar
Max: 30.9 N·m at 199.0 ms
Min: -63.5 N·m at 75.0 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.02.2025 12:03:34 2011



Transportation Research Center Inc.

Front Thorax

HIII 50th Serial No. 037 Certification No. 100-6

Test Date: 5/5/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.3 °C	Yes
Relative Humidity	10 - 70 %	49 %	Yes
Probe Velocity	6.59 - 6.83 m/s	6.768 m/s	Yes
Probe Force Peak	(-5,160) - (-5,894) N	-5,515.6 N	Yes
Maximum Chest Compression	(-63.5) - (-72.6) mm	-61.07 mm	No
Internal Hysteresis	69 - 85 %	71.5 %	Yes

Test does not meet specifications.

Condition: Used

Comments:

Jacket S/N: EX0700

Rib Set S/N: 10362

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.05.2025 09:06:03 429

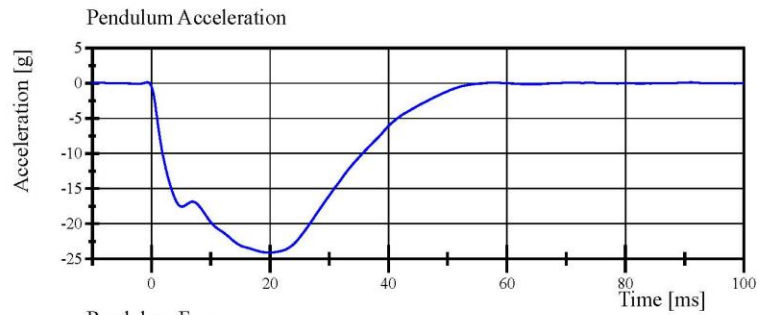


Transportation Research Center Inc.

Front Thorax

HIII 50th Serial No. 037 Certification No. 100-6

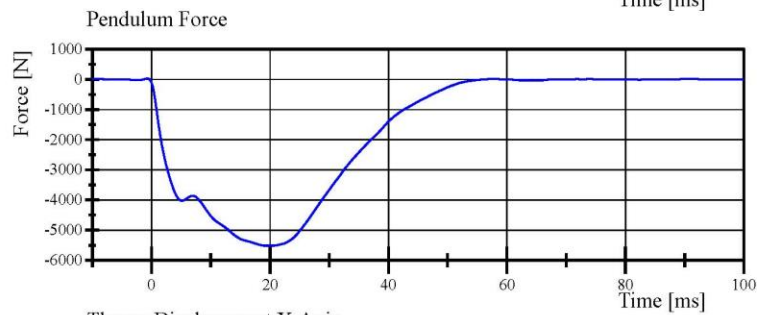
Test Date: 5/5/2025



Filter Class: CFC_180

Max: 0.1 g at -0.7 ms

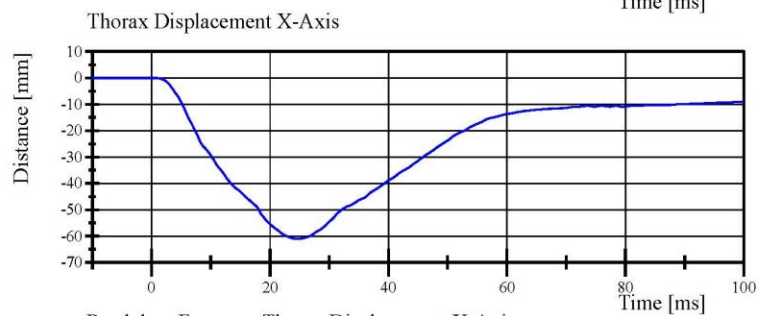
Min: -24.1 g at 20.2 ms



Filter Class: CFC_180

Max: 26.5 N at -0.7 ms

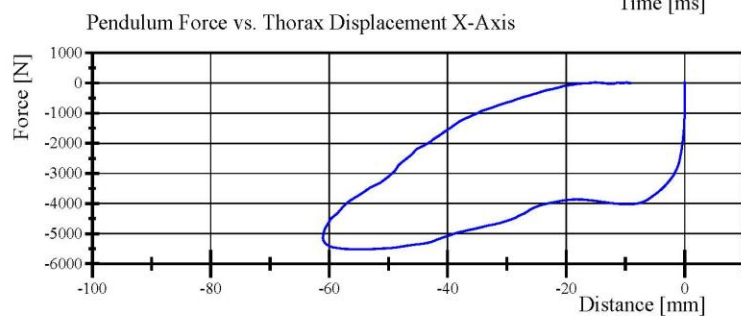
Min: -5,515.6 N at 20.2 ms



Filter Class: CFC_600

Max: 0.0 mm at -0.6 ms

Min: -61.1 mm at 24.6 ms



Filter Class: CFC_180

Max: 26.5 N at 0.0 mm

Min: -5,515.6 N at -55.9 mm

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.05.2025 09:06:35 429



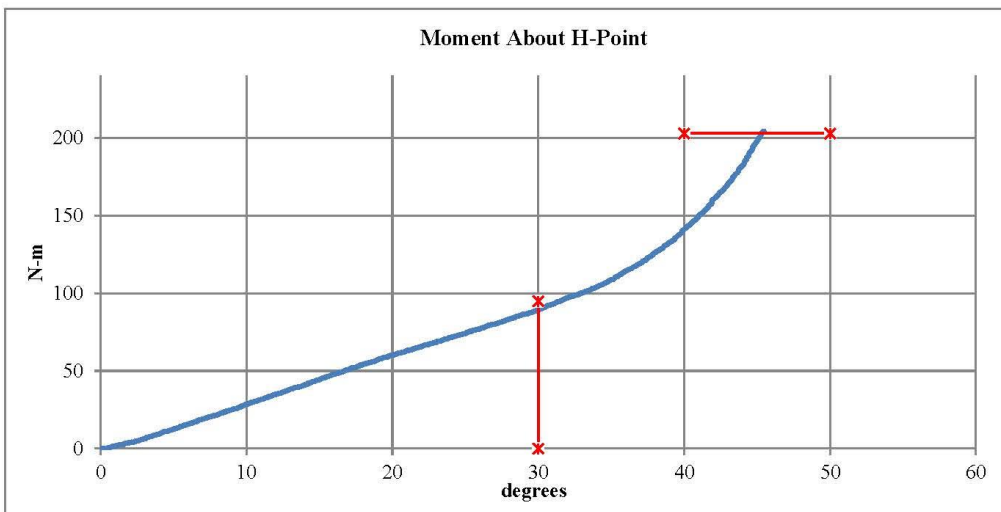
Transportation Research Center Inc.

Hybrid III 50th Male Hip Range of Motion

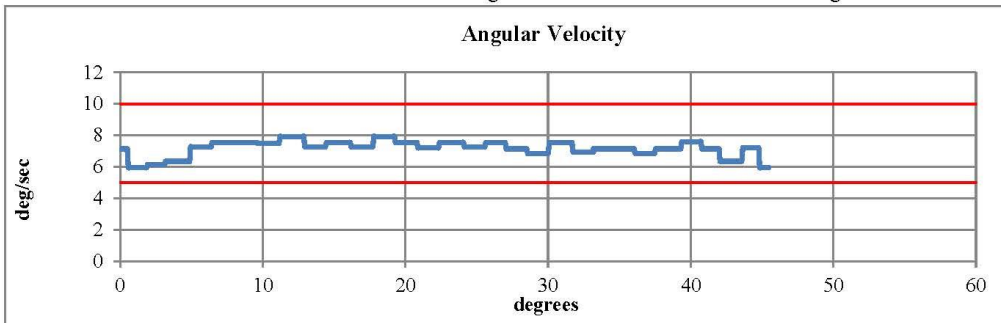


Serial Number: 037 Date: 01-May-2025
Side Tested: Left Hip Time: 14:05
Test Number: 1

TEST PARAMETER	SPECIFICATION			TEST RESULTS		
Temperature	18.9	-	25.6	21.1	°C	Pass
Humidity	10	-	70	55	%	Pass
Moment at 30°	0	≤	94.9	89.21	N-m	Pass
Angle at 203 Nm	40	-	50	45.47	deg	Pass
Average Velocity	5	-	10	7.17	deg/sec	Pass



Max: 7.93 deg/sec Min: 5.95 deg/sec



Comments:
Pelvis S/N: EU6859

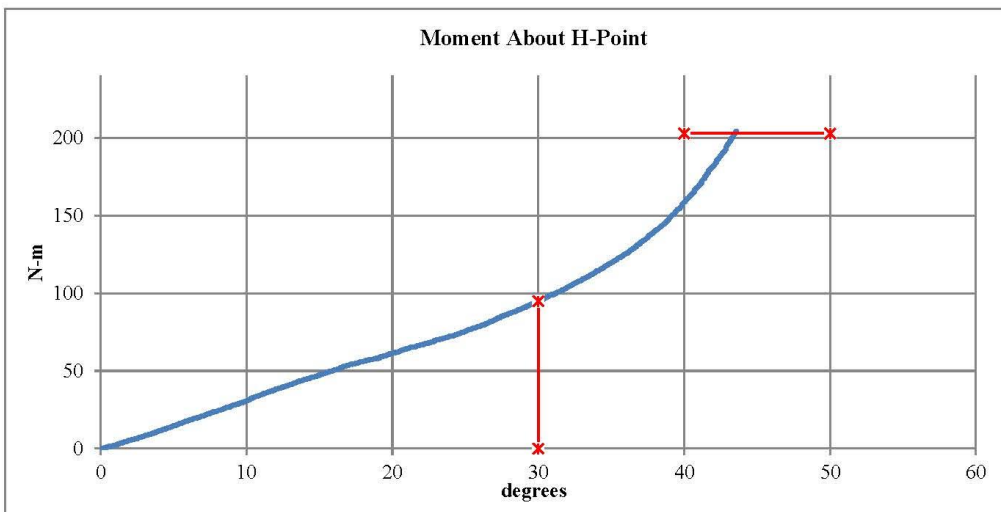
Transportation Research Center Inc.

Hybrid III 50th Male Hip Range of Motion

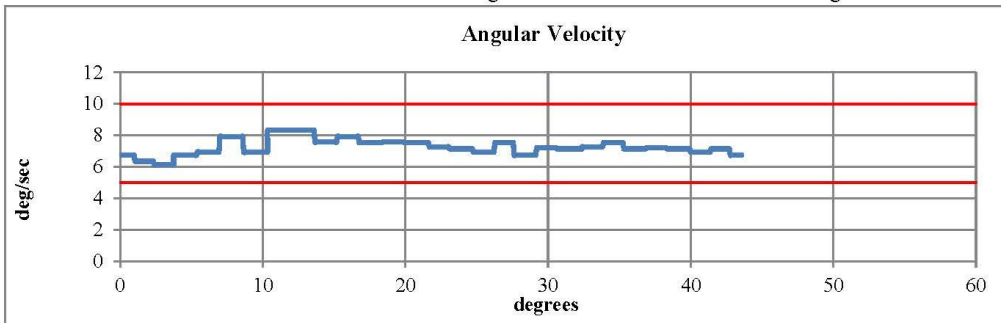


Serial Number: 037 Date: 01-May-2025
Side Tested: Right Hip Time: 14:37
Test Number: 1

TEST PARAMETER	SPECIFICATION		TEST RESULTS		
Temperature	18.9	- 25.6	21.1	°C	Pass
Humidity	10	- 70	55	%	Pass
Moment at 30°	0	≤ 94.9	94.68	N-m	Pass
Angle at 203 Nm	40	- 50	43.57	deg	Pass
Average Velocity	5	- 10	7.24	deg/sec	Pass



Max: 8.33 deg/sec Min: 6.13 deg/sec



Comments:
Pelvis S/N: EU6859

Transportation Research Center Inc.

Left Knee Femur Response Test

HIII 50th Serial No. 037 Certification No. 100-1

Test Date: 5/1/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.5 °C	21.5 °C	Yes
Relative Humidity	10 - 70 %	58 %	Yes
Probe Velocity	2.07 - 2.13 m/s	2.128 m/s	Yes
Peak Femur Force	(-4,715.2) - (-5,782.6) N	-5,466.41 N	Yes

Test meets specifications.

Condition: Used

Comments:

Knee Skin S/N: 2672

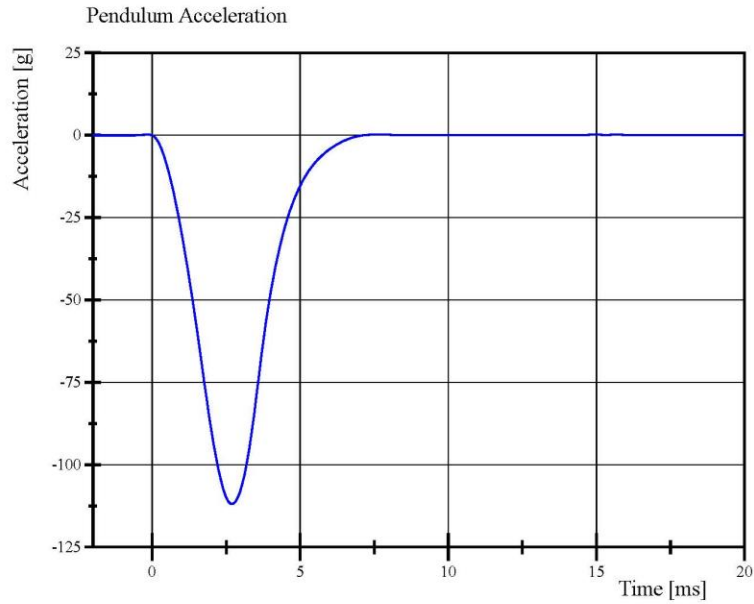
Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.01.2025 10:27:45 1793

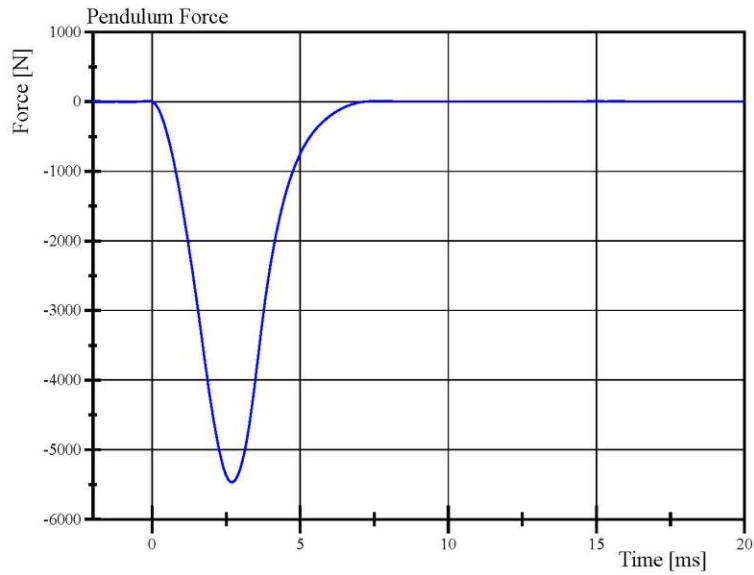


Transportation Research Center Inc.

Left Knee Femur Response Test
HIII 50th Serial No. 037 Certification No. 100-1
Test Date: 5/1/2025



Filter Class: CFC_600
Max: 0.2 g at -0.2 ms
Min: -111.9 g at 2.7 ms



Filter Class: CFC_600
Max: 9.9 N at -0.2 ms
Min: -5,466.4 N at 2.7 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.01.2025 10:28:24 1793



Transportation Research Center Inc.

Right Knee Femur Response Test
HIII 50th Serial No. 037 Certification No. 100-1
Test Date: 5/1/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.5 °C	21.6 °C	Yes
Relative Humidity	10 - 70 %	58 %	Yes
Probe Velocity	2.07 - 2.13 m/s	2.128 m/s	Yes
Peak Femur Force	(-4,715.2) - (-5,782.6) N	-5,172.02 N	Yes

Test meets specifications.

Condition: Used

Comments:

Knee Skin S/N: 1248

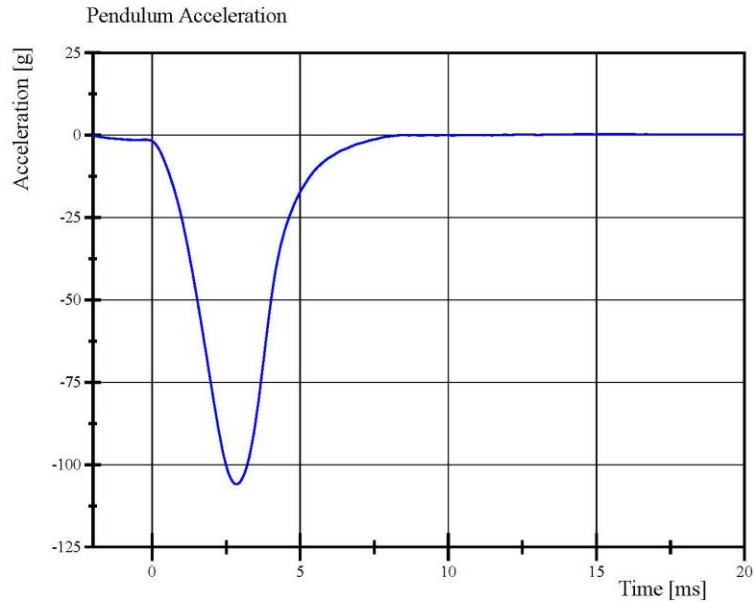
Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.01.2025 10:31:18 1802

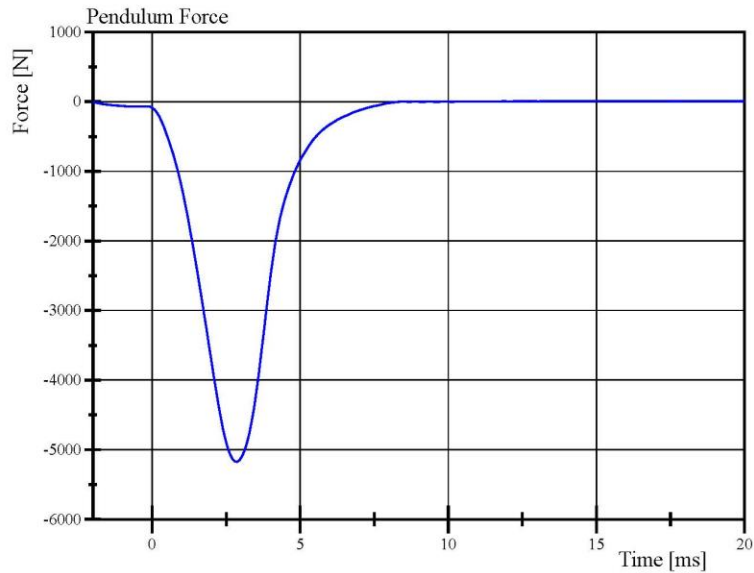


Transportation Research Center Inc.

Right Knee Femur Response Test
HIII 50th Serial No. 037 Certification No. 100-1
Test Date: 5/1/2025



Filter Class: CFC_600
Max: 0.3 g at 15.3 ms
Min: -105.9 g at 2.9 ms



Filter Class: CFC_600
Max: 13.2 N at 15.3 ms
Min: -5,172.0 N at 2.9 ms

Specification Source: CFR49 Part 572 Subpart E
with Polarity in accordance with J211

05.01.2025 10:31:45 1802



Pre-Test Calibration Sheets

Passenger S/N DH1659

Transportation Research Center Inc.
5720 HIII 5th Dummy
External Dimensions
Serial No. DH1659 Calibration No. 26

Symbol	Description	Specification	Results	Pass
		mm	mm	
A	Total Sitting Height	774.7 - 800.1	780	Yes
B	Shoulder Pivot Height	431.8 - 457.2	445	Yes
C	Hip Pivot Height	81.3 - 86.3	86	Yes
D	Hip Pivot from Backline	144.8 - 149.8	148	Yes
E	Shoulder Pivot from Backline	68.6 - 83.8	80	Yes
F	Thigh Clearance	119.4 - 134.6	131	Yes
G	Back of Elbow to Wrist Pivot	243.9 - 259.1	249	Yes
H	Head Back to Backline	43.2 - 48.2	45	Yes
I	Shoulder to Elbow Length	276.8 - 297.2	286	Yes
J	Elbow Rest Height	182.8 - 203.2	196	Yes
K	Buttock Knee Length	520.7 - 546.1	533	Yes
L	Popliteal Height	355.6 - 376.0	360	Yes
M	Knee Pivot Height	393.7 - 419.1	409	Yes
N	Buttock Popliteal Length	414.0 - 439.4	430	Yes
O	Chest Depth without Jacket	175.3 - 190.5	185	Yes
P	Foot Length	218.5 - 233.7	225	Yes
R	Buttock to Knee Pivot Length	457.2 - 482.6	473	Yes
S	Head Breadth	137.1 - 147.3	141	Yes
T	Head Depth	177.8 - 188.0	180	Yes
U	Hip Breadth	299.7 - 314.9	305	Yes
V	Shoulder Breadth	350.5 - 365.7	356	Yes
W	Foot Breadth	78.8 - 94.0	85	Yes
X	Head Circumference	528.3 - 548.7	539	Yes
Y	Chest Circumference with Jacket	850.9 - 881.3	869	Yes
Z	Waist Circumference	759.5 - 789.9	776	Yes
AA	Reference Location for Chest Circumference	332.7 - 358.1	345	Yes
BB	Reference Location for Waist Circumference	160.0 - 170.2	165	Yes

Revised 8/10/12



Report Number: DH1659_HFH26

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Transportation Research Center Inc.

Front Head Drop

HIII 5th Serial No. DH1659 Certification No. 26-2

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.5 °C	21.1 °C	Yes
Relative Humidity	10 - 70 %	32 %	Yes
Peak Head Resultant Acceleration	250 - 300 g	250.4 g	Yes
Peak Head Lateral Acceleration	(-15) - 15 g	4.2 g	Yes
Is Acceleration Curve Unimodal within 10% of Peak?	< 10 %	1.75 %	Yes

Test meets specifications.

Condition: Used

Comments:

Head Skin S/N: 2864

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 15:02:20 613

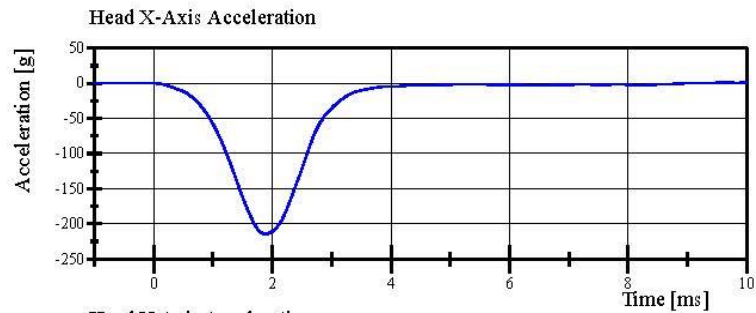


Transportation Research Center Inc.

Front Head Drop

HIII 5th Serial No. DH1659 Certification No. 26-2

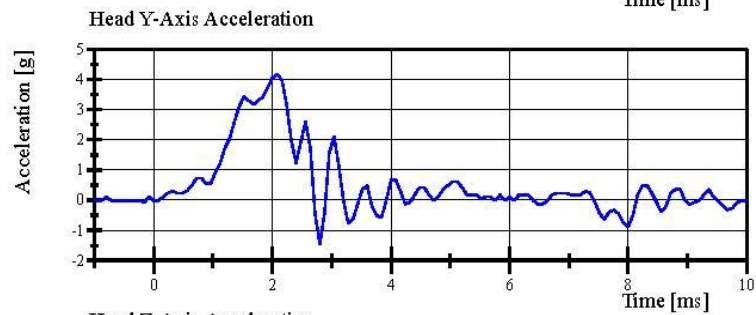
Test Date: 4/9/2025



Filter Class: CFC_1000

Max: 1.1 g at 10.0 ms

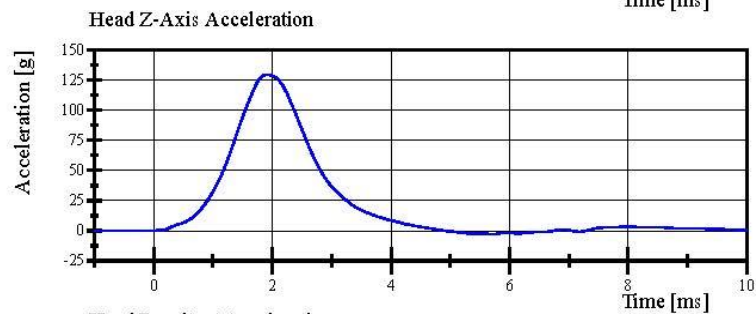
Min: -214.3 g at 1.9 ms



Filter Class: CFC_1000

Max: 4.2 g at 2.1 ms

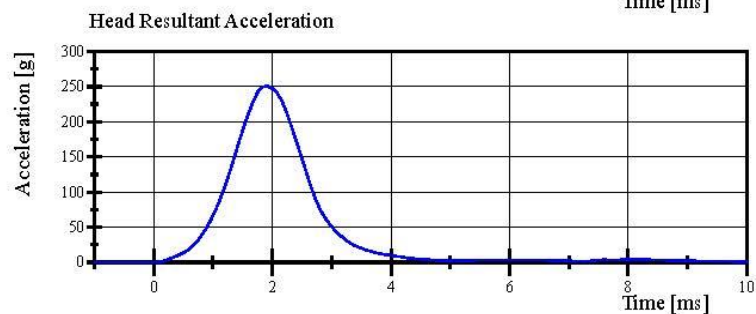
Min: -1.5 g at 2.8 ms



Filter Class: CFC_1000

Max: 129.5 g at 1.9 ms

Min: -2.7 g at 5.7 ms



Filter Class: CFC_1000

Max: 250.4 g at 1.9 ms

Min: 0.0 g at -0.7 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 15:02:46 613



Transportation Research Center Inc.

Neck Flexion

HM 5th Serial No. DH1659 Certification No. 26-2

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.2 °C	Yes
Relative Humidity	10 - 70 %	32 %	Yes
Pendulum Velocity	6.89 - 7.13 m/s	7.093 m/s	Yes
Pendulum Integrated Velocity			
Change at 10ms	(-2.1) - (-2.5) m/s	-2.38 m/s	Yes
Change at 20ms	(-4.0) - (-5.0) m/s	-4.68 m/s	Yes
Change at 30ms	(-5.8) - (-7.0) m/s	-6.68 m/s	Yes
Total Head D-Plane Rotation	(-77) - (-91) °	-78.3 °	Yes
Total Neck Occipital Condyles Moment			
Between -77° and -91° Rotation	69 - 83 N·m	72.0 N·m	Yes
Decay to 10 N·m	80 - 100 ms	86.0 ms	Yes

Test meets specifications.

Condition: Used

Comments:

Neck S/N: DM3051

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 13:52:24 1847

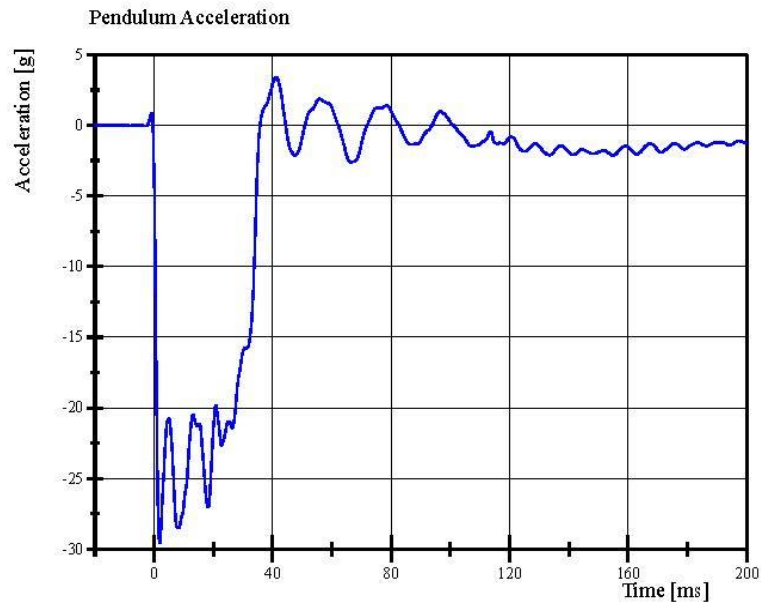


Transportation Research Center Inc.

Neck Flexion

HIII 5th Serial No. DH1659 Certification No. 26-2

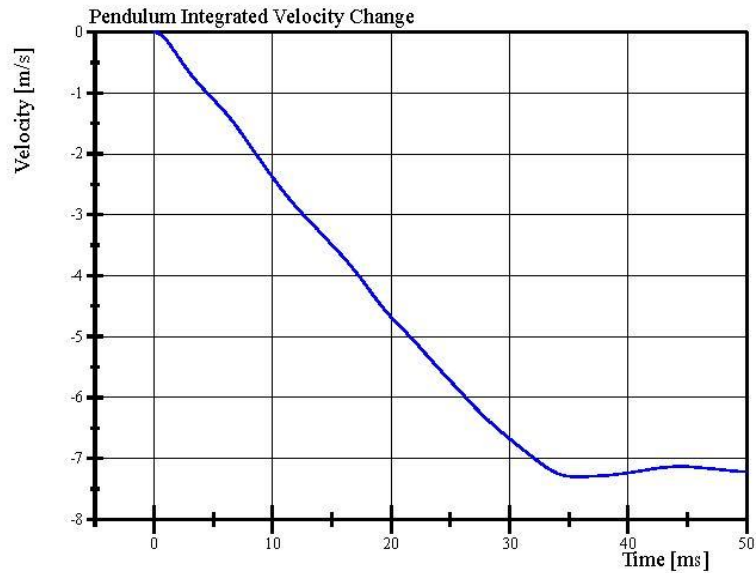
Test Date: 4/9/2025



Filter Class: CFC_180

Max: 3.4 g at 41.4 ms

Min: -29.6 g at 1.9 ms



Filter Class: CFC_180

Max: 0.0 m/s at 0.0 ms

Min: -7.3 m/s at 35.8 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 13:52:50 1847



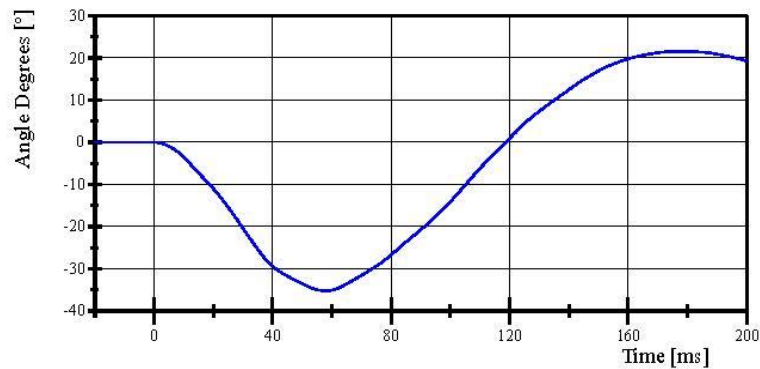
Transportation Research Center Inc.

Neck Flexion

HIII 5th Serial No. DH1659 Certification No. 26-2

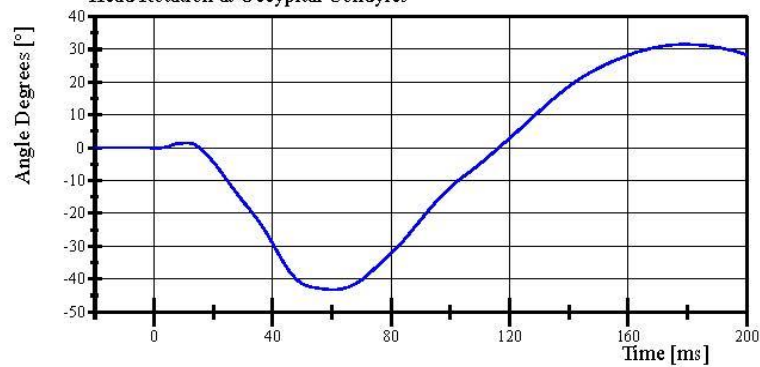
Test Date: 4/9/2025

Pot Rotation at the Base of Neck



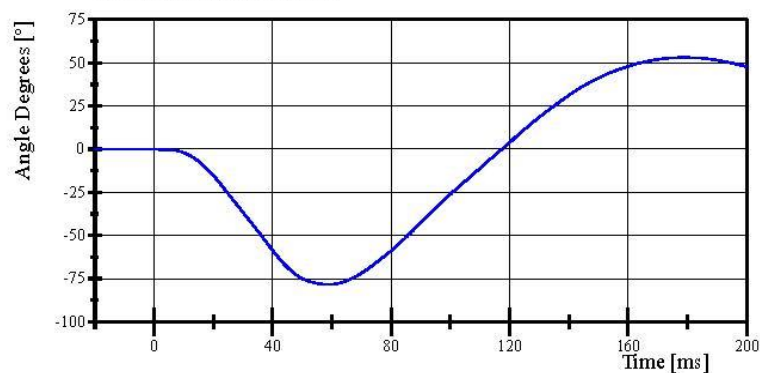
Filter Class: CFC_60
Max: 21.5 ° at 178.6 ms
Min: -35.2 ° at 58.2 ms

Head Rotation at Occypital Condyles



Filter Class: CFC_60
Max: 31.5 ° at 178.8 ms
Min: -43.2 ° at 60.7 ms

Total Head D-Plane Rotation



Filter Class: CFC_60
Max: 53.0 ° at 178.8 ms
Min: -78.3 ° at 59.2 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 13:52:50 1847

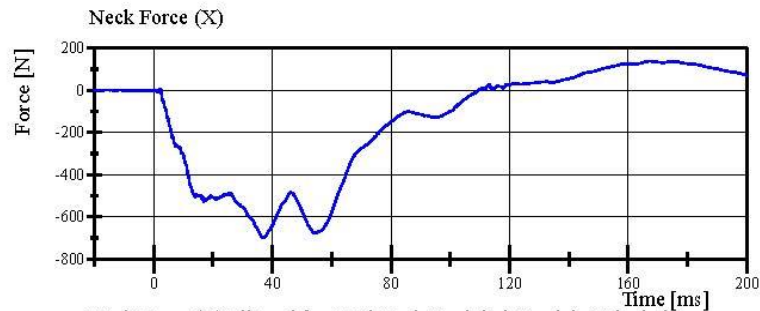


Transportation Research Center Inc.

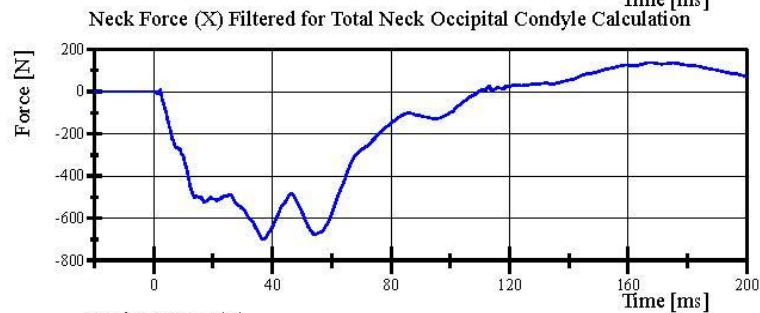
Neck Flexion

HIII 5th Serial No. DH1659 Certification No. 26-2

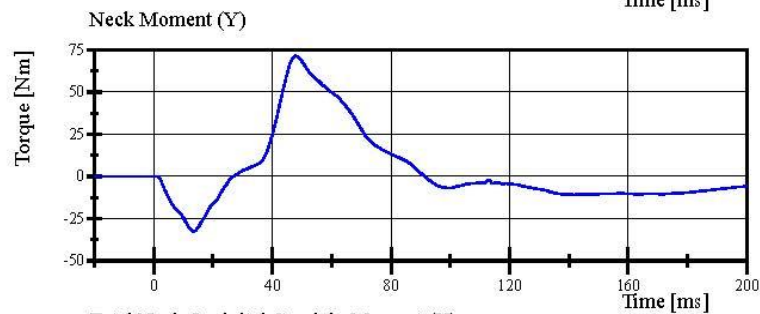
Test Date: 4/9/2025



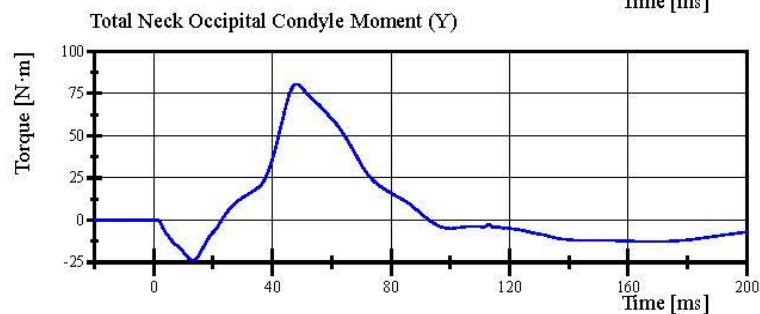
Filter Class: CFC_1000
Max: 137.9 N at 167.3 ms
Min: -700.8 N at 37.2 ms



Filter Class: CFC_600
Max: 137.8 N at 167.5 ms
Min: -700.6 N at 37.1 ms



Filter Class: CFC_600
Max: 71.4 Nm at 47.9 ms
Min: -32.5 Nm at 13.4 ms



Filter Class: Without_(Constan
Max: 80.6 N·m at 48.1 ms
Min: -23.8 N·m at 13.2 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 13:52:50 1847



Transportation Research Center Inc.

Neck Extension

HM 5th Serial No. DH1659 Certification No. 26-1

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.2 °C	Yes
Relative Humidity	10 - 70 %	32 %	Yes
Pendulum Velocity	(-5.95) - (-6.19) m/s	-6.084 m/s	Yes
Pendulum Integrated Velocity			
Change at 10ms	1.5 - 1.9 m/s	1.82 m/s	Yes
Change at 20ms	3.1 - 3.9 m/s	3.66 m/s	Yes
Change at 30ms	4.6 - 5.6 m/s	5.43 m/s	Yes
Total Head D-Plane Rotation	99 - 114 °	105.2 °	Yes
Total Neck Occipital Condyles Moment			
Between 99° and 114° Rotation	(-53) - (-65) N·m	-55.0 N·m	Yes
Decay to -10 N·m	94 - 114 ms	102.5 ms	Yes

Test meets specifications.

Condition: Used

Comments:

Neck S/N: DM3051

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 14:25:02 1996

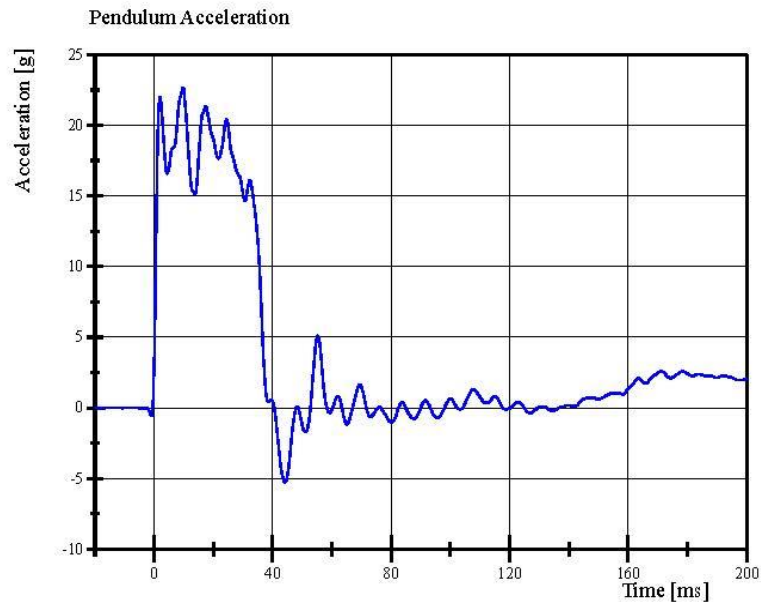


Transportation Research Center Inc.

Neck Extension

HIII 5th Serial No. DH1659 Certification No. 26-1

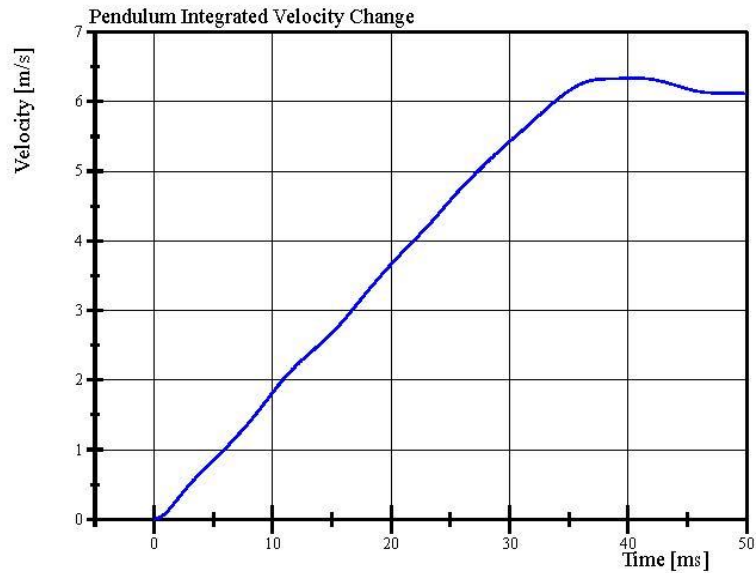
Test Date: 4/9/2025



Filter Class: CFC_180

Max: 22.7 g at 9.7 ms

Min: -5.3 g at 44.2 ms



Filter Class: CFC_180

Max: 6.3 m/s at 40.6 ms

Min: 0.0 m/s at 0.0 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 14:25:30 1996



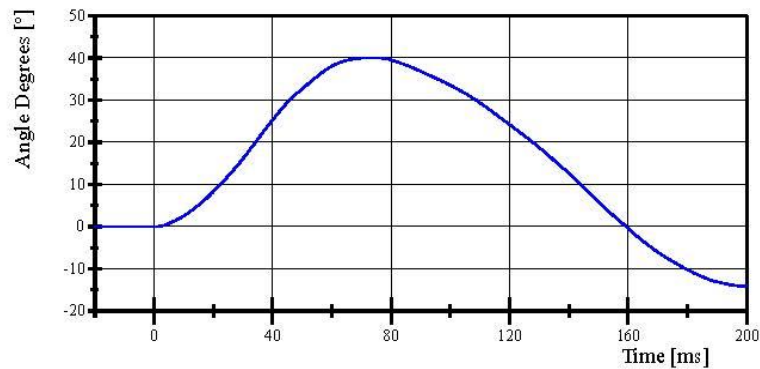
Transportation Research Center Inc.

Neck Extension

HIII 5th Serial No. DH1659 Certification No. 26-1

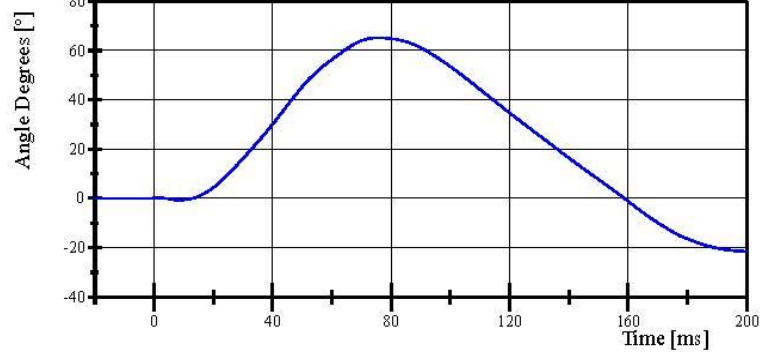
Test Date: 4/9/2025

Pot Rotation at the Base of Neck



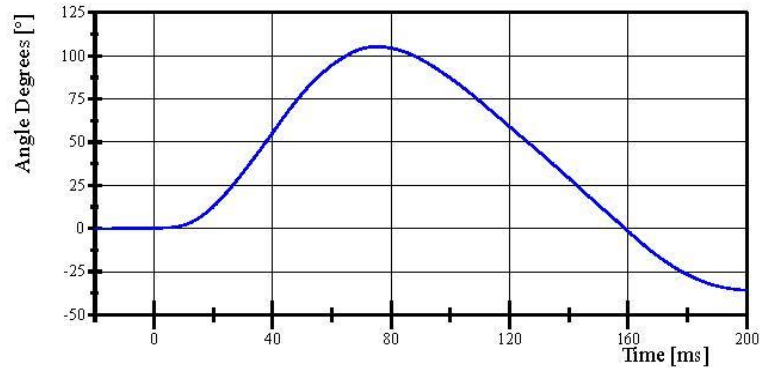
Filter Class: CFC_60
Max: 40.0 ° at 74.1 ms
Min: -14.1 ° at 200.0 ms

Head Rotation at Occypital Condyles



Filter Class: CFC_60
Max: 65.2 ° at 75.8 ms
Min: -21.6 ° at 200.0 ms

Total Head D-Plane Rotation



Filter Class: CFC_60
Max: 105.2 ° at 75.4 ms
Min: -35.7 ° at 200.0 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 14:25:31 1996

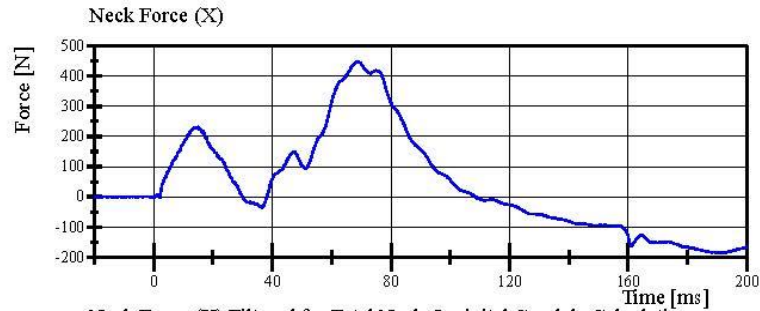


Transportation Research Center Inc.

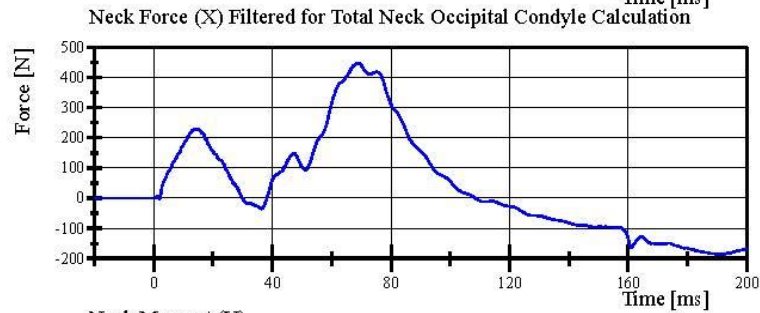
Neck Extension

HIII 5th Serial No. DH1659 Certification No. 26-1

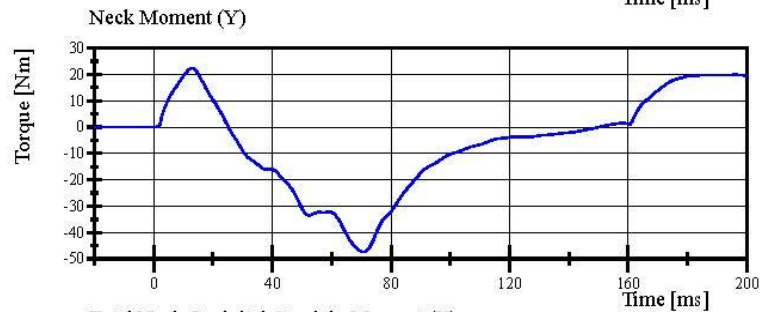
Test Date: 4/9/2025



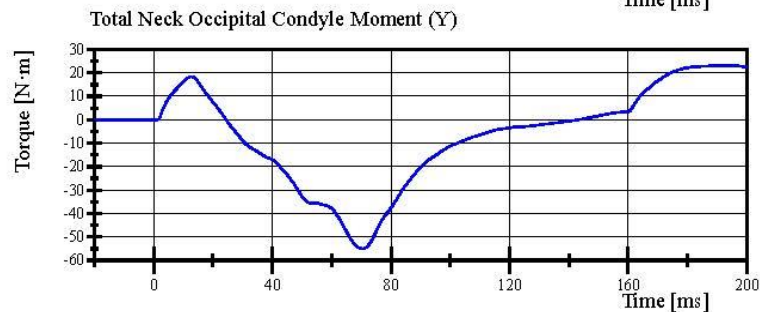
Filter Class: CFC_1000
Max: 447.9 N at 68.8 ms
Min: -187.1 N at 190.7 ms



Filter Class: CFC_600
Max: 447.4 N at 68.9 ms
Min: -186.5 N at 190.9 ms



Filter Class: CFC_600
Max: 22.3 Nm at 13.0 ms
Min: -47.4 Nm at 70.9 ms



Filter Class: Without_(Constan
Max: 23.0 N·m at 194.6 ms
Min: -55.0 N·m at 70.5 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 14:25:31 1996



Transportation Research Center Inc.

Front Thorax

HIII 5th Serial No. DH1659 Certification No. 26-2

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.4 °C	Yes
Relative Humidity	10 - 70 %	32 %	Yes
Probe Velocity	6.59 - 6.83 m/s	6.812 m/s	Yes
Probe Force Peak Between 50.0 mm and 58.0 mm Chest Deflection	(-3,900) - (-4,400) N	-4,120.8 N	Yes
Probe Force Peak Between 18.0 mm and 50.0 mm Chest Deflection	$\geq$ (-4,600) N	-4,271.0 N	Yes
Maximum Chest Compression	(-50) - (-58) mm	-50.6 mm	Yes
Internal Hysteresis	69 - 85 %	74.4 %	Yes

Test meets specifications.

Condition: Used

Comments:

Jacket S/N: EE8365

Rib Set S/N: DI5873

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 11:13:25 415

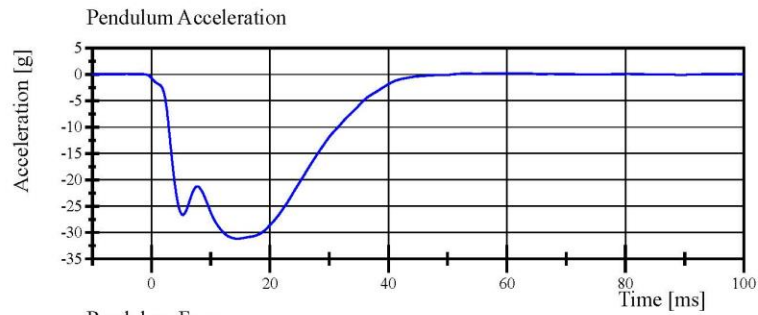


Transportation Research Center Inc.

Front Thorax

HIII 5th Serial No. DH1659 Certification No. 26-2

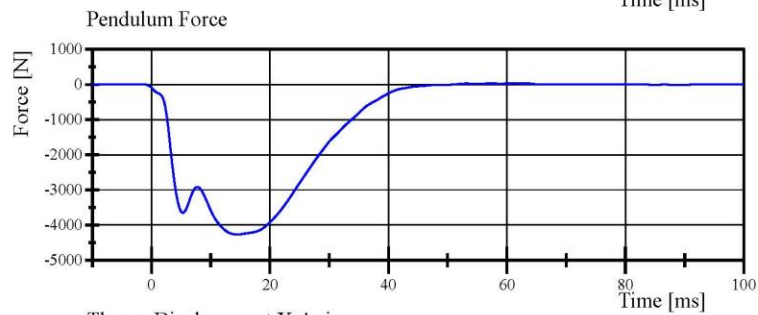
Test Date: 4/9/2025



Filter Class: CFC_180

Max: 0.2 g at 61.4 ms

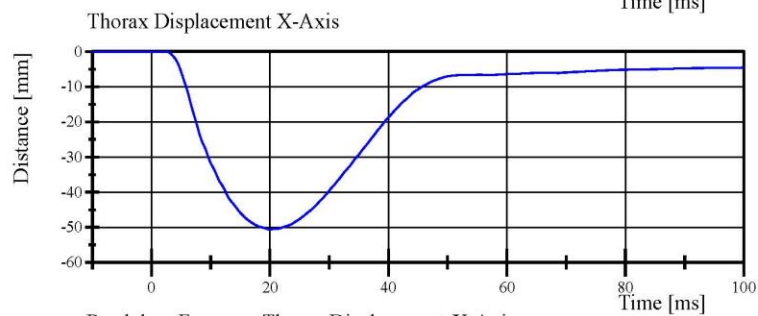
Min: -31.2 g at 14.6 ms



Filter Class: CFC_180

Max: 30.9 N at 61.4 ms

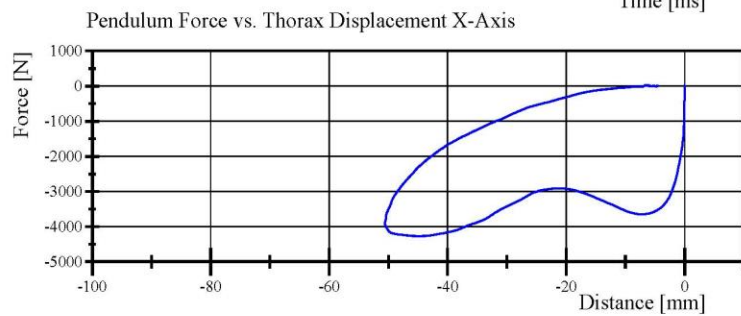
Min: -4,271.0 N at 14.6 ms



Filter Class: CFC_600

Max: 0.0 mm at -5.4 ms

Min: -50.6 mm at 20.1 ms



Filter Class: CFC_180

Max: 30.9 N at -6.3 mm

Min: -4,271.0 N at -45.0 mm

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 11:14:02 415



Transportation Research Center Inc.

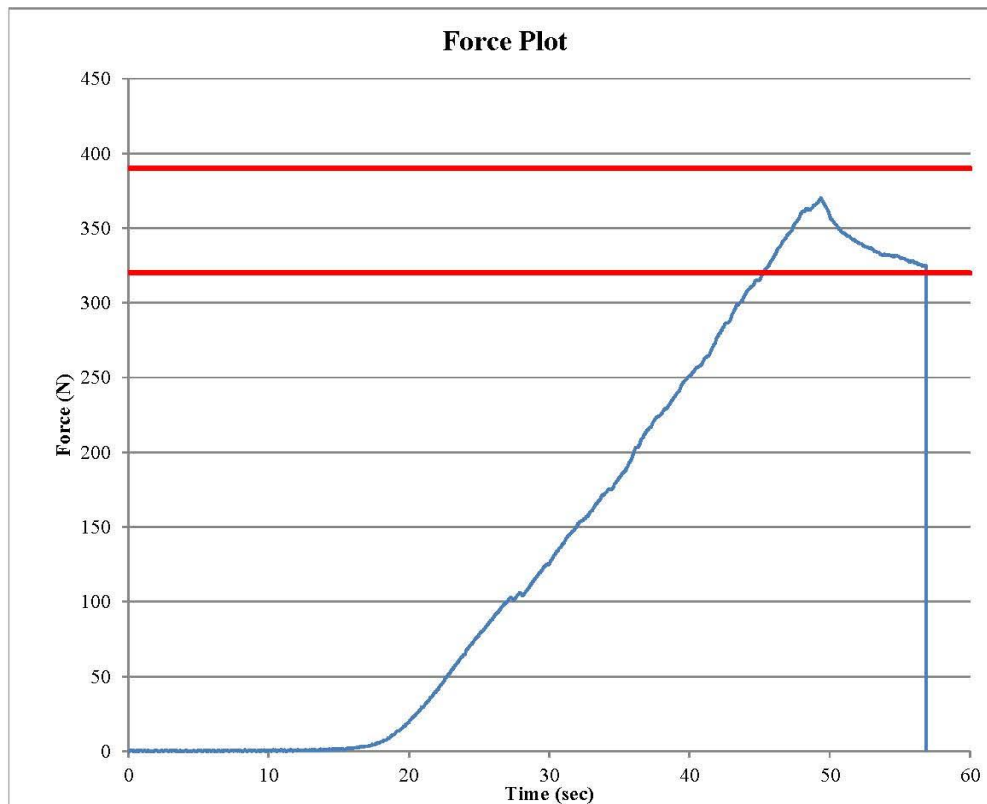
Hybrid III Small Female Torso Flexion



Customer: NHTSA
Serial Number: DH1659
Test Number: 1

Date: 4/9/2025
Time: 8:08

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature	18.9 - 25.6	21.6 °C Pass
Humidity	10 - 70	30 % Pass
Average Angular Rate	0.5 - 1.5	0.94 deg/sec Pass
Initial Angle	0 - 20	14.83 deg Pass
Peak Force at 45.73°	320 - 390	370.23 N Pass
Final Angle	-8 - 8	0.62 deg Pass



Components: Comments:
Jacket S/N: EE8385
Abdomen S/N: EE8393
Lumbar S/N: EW9168

Transportation Research Center Inc.

Left Knee Femur Response Test

HIII 5th Serial No. DH1659 Certification No. 26-2

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.6 °C	21.4 °C	Yes
Relative Humidity	10 - 70 %	32 %	Yes
Probe Velocity	2.07 - 2.13 m/s	2.073 m/s	Yes
Peak Femur Force	(-3,450) - (-4,060) N	-3,978.0 N	Yes

Test meets specifications.

Condition: Used

Comments:

Knee Skin S/N: ED6729

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 12:18:50 1990



Report Number: DH1659_HFH26

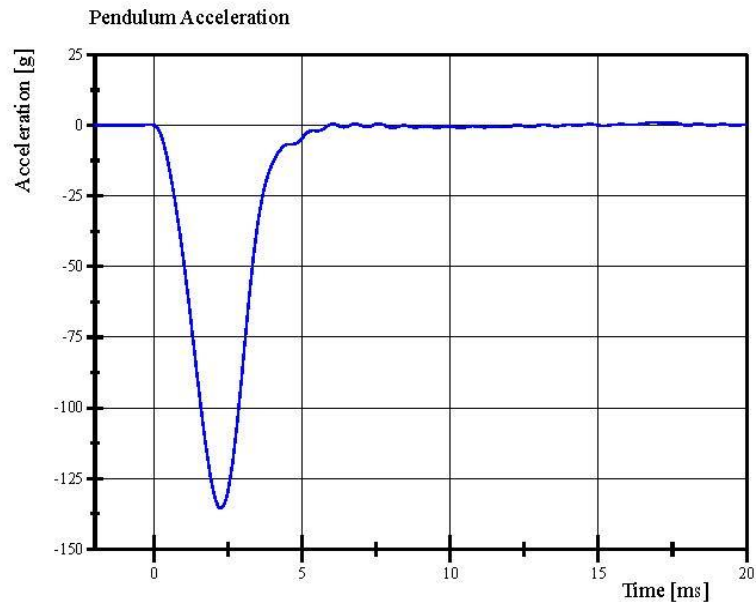
Page 22 of 28

Transportation Research Center Inc.

Left Knee Femur Response Test

HIII 5th Serial No. DH1659 Certification No. 26-2

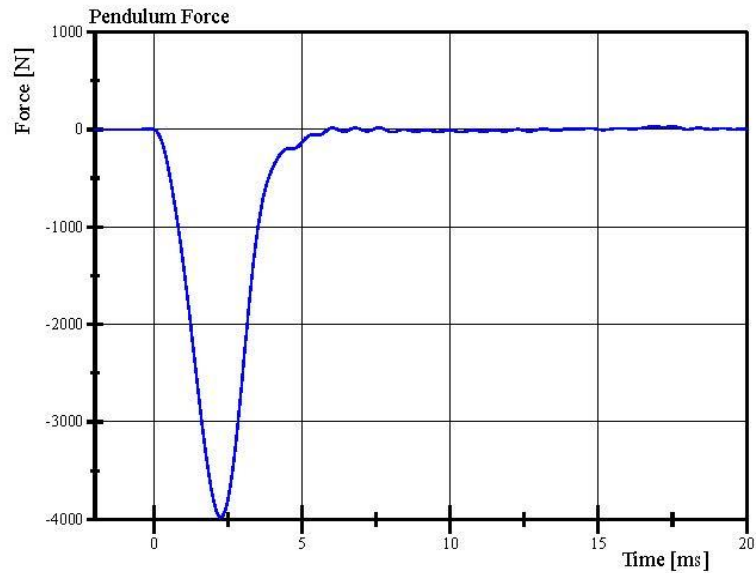
Test Date: 4/9/2025



Filter Class: CFC_600

Max: 1.1 g at 16.9 ms

Min: -135.7 g at 2.2 ms



Filter Class: CFC_600

Max: 31.0 N at 16.9 ms

Min: -3,978.0 N at 2.2 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 12:19:59 1990



Transportation Research Center Inc.

Right Knee Femur Response Test

HIII 5th Serial No. DH1659 Certification No. 26-4

Test Date: 4/9/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.6 °C	21.4 °C	Yes
Relative Humidity	10 - 70 %	32 %	Yes
Probe Velocity	2.07 - 2.13 m/s	2.075 m/s	Yes
Peak Femur Force	(-3,450) - (-4,060) N	-3,933.6 N	Yes

Test meets specifications.

Condition: Used

Comments:

Knee Skin S/N: ED6729

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 13:26:43 1990



Report Number: DH1659_HFH26

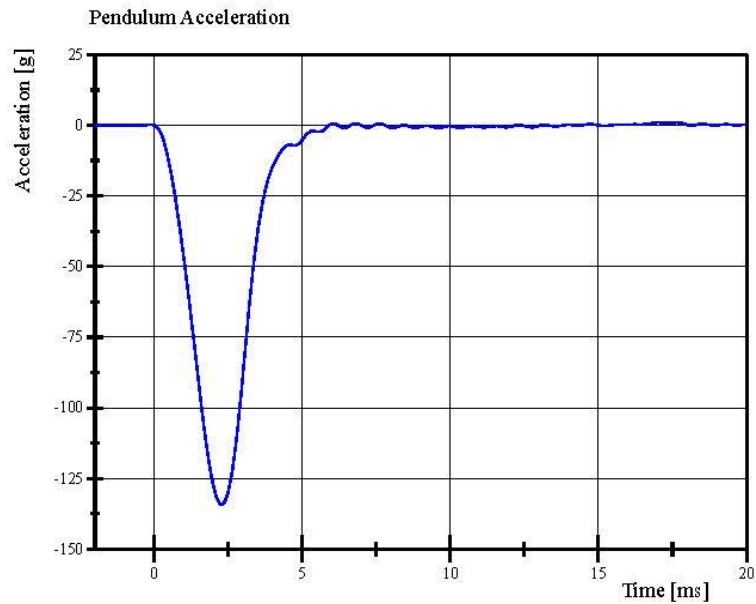
Page 24 of 28

Transportation Research Center Inc.

Right Knee Femur Response Test

HIII 5th Serial No. DH1659 Certification No. 26-4

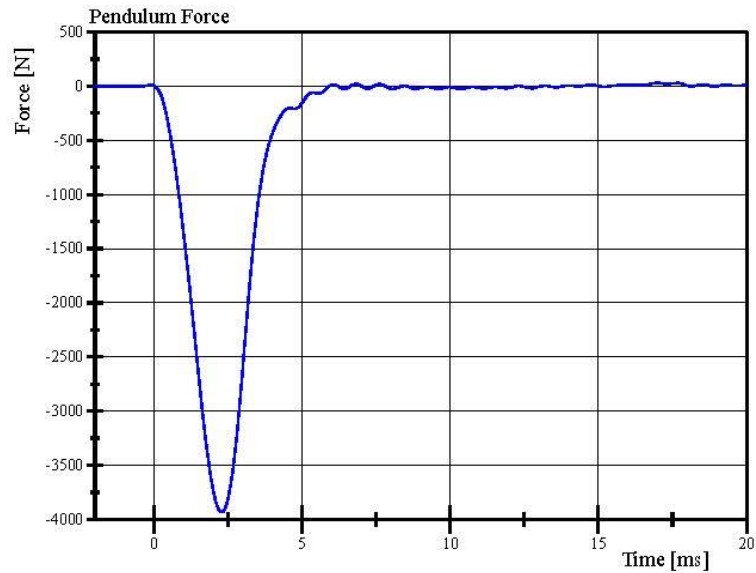
Test Date: 4/9/2025



Filter Class: CFC_600

Max: 1.0 g at 17.0 ms

Min: -134.2 g at 2.2 ms



Filter Class: CFC_600

Max: 29.7 N at 17.0 ms

Min: -3,933.6 N at 2.2 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.09.2025 13:27:33 1990



Post-Test Calibration Sheets

Passenger S/N DH1659

Transportation Research Center Inc.
5720 HIII 5th Dummy
External Dimensions
Serial No. DH1659 Calibration No. 27

Symbol	Description	Specification	Results	Pass
		mm	mm	
A	Total Sitting Height	774.7 - 800.1	780	Yes
B	Shoulder Pivot Height	431.8 - 457.2	445	Yes
C	Hip Pivot Height	81.3 - 86.3	86	Yes
D	Hip Pivot from Backline	144.8 - 149.8	148	Yes
E	Shoulder Pivot from Backline	68.6 - 83.8	80	Yes
F	Thigh Clearance	119.4 - 134.6	131	Yes
G	Back of Elbow to Wrist Pivot	243.9 - 259.1	249	Yes
H	Head Back to Backline	43.2 - 48.2	45	Yes
I	Shoulder to Elbow Length	276.8 - 297.2	286	Yes
J	Elbow Rest Height	182.8 - 203.2	196	Yes
K	Buttock Knee Length	520.7 - 546.1	533	Yes
L	Popliteal Height	355.6 - 376.0	360	Yes
M	Knee Pivot Height	393.7 - 419.1	409	Yes
N	Buttock Popliteal Length	414.0 - 439.4	430	Yes
O	Chest Depth without Jacket	175.3 - 190.5	185	Yes
P	Foot Length	218.5 - 233.7	225	Yes
R	Buttock to Knee Pivot Length	457.2 - 482.6	473	Yes
S	Head Breadth	137.1 - 147.3	141	Yes
T	Head Depth	177.8 - 188.0	180	Yes
U	Hip Breadth	299.7 - 314.9	305	Yes
V	Shoulder Breadth	350.5 - 365.7	356	Yes
W	Foot Breadth	78.8 - 94.0	85	Yes
X	Head Circumference	528.3 - 548.7	539	Yes
Y	Chest Circumference with Jacket	850.9 - 881.3	869	Yes
Z	Waist Circumference	759.5 - 789.9	776	Yes
AA	Reference Location for Chest Circumference	332.7 - 358.1	345	Yes
BB	Reference Location for Waist Circumference	160.0 - 170.2	165	Yes

Revised 8/10/12



Report Number: DH1659_HFH27

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Transportation Research Center Inc.

Front Head Drop

HIII 5th Serial No. DH1659 Certification No. 27-2

Test Date: 5/5/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.5 °C	21.2 °C	Yes
Relative Humidity	10 - 70 %	48 %	Yes
Peak Head Resultant Acceleration	250 - 300 g	262.6 g	Yes
Peak Head Lateral Acceleration	(-15) - 15 g	6.8 g	Yes
Is Acceleration Curve Unimodal within 10% of Peak?	< 10 %	1.82 %	Yes

Test meets specifications.

Condition: Used

Comments:

Head Skin S/N: 2864

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.05.2025 08:34:54 613

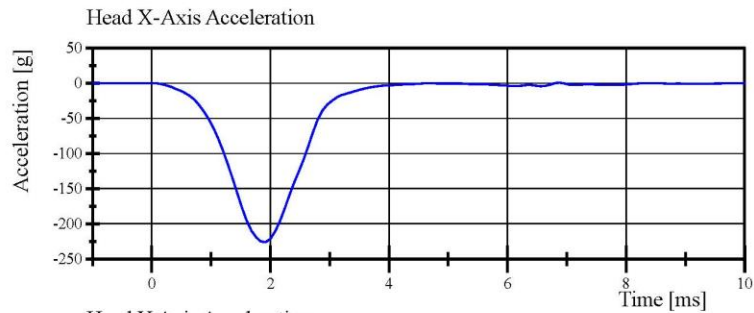


Transportation Research Center Inc.

Front Head Drop

HIII 5th Serial No. DH1659 Certification No. 27-2

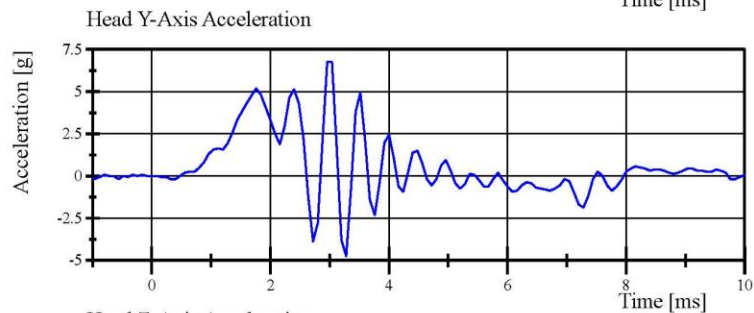
Test Date: 5/5/2025



Filter Class: CFC_1000

Max: 0.8 g at 6.9 ms

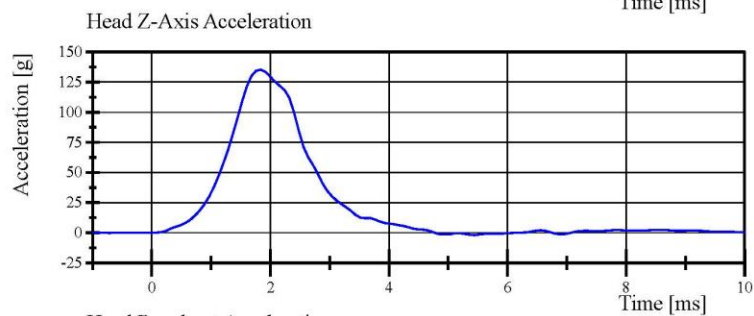
Min: -226.0 g at 1.9 ms



Filter Class: CFC_1000

Max: 6.8 g at 3.0 ms

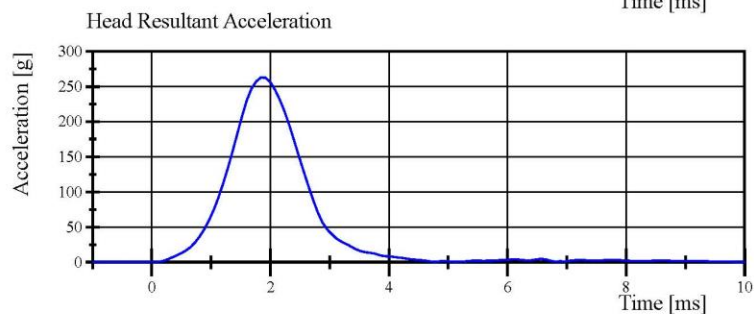
Min: -4.7 g at 3.3 ms



Filter Class: CFC_1000

Max: 135.3 g at 1.8 ms

Min: -1.9 g at 5.4 ms



Filter Class: CFC_1000

Max: 262.6 g at 1.8 ms

Min: 0.0 g at -0.6 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.05.2025 08:35:45 613



Transportation Research Center Inc.

Neck Flexion

HIII 5th Serial No. DH1659 Certification No. 27-1

Test Date: 5/2/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.4 °C	Yes
Relative Humidity	10 - 70 %	65 %	Yes
Pendulum Velocity	6.89 - 7.13 m/s	7.098 m/s	Yes
Pendulum Integrated Velocity			
Change at 10ms	(-2.1) - (-2.5) m/s	-2.44 m/s	Yes
Change at 20ms	(-4.0) - (-5.0) m/s	-4.81 m/s	Yes
Change at 30ms	(-5.8) - (-7.0) m/s	-6.92 m/s	Yes
Total Head D-Plane Rotation	(-77) - (-91) °	-80.6 °	Yes
Total Neck Occipital Condyles Moment			
Between -77° and -91° Rotation	69 - 83 N·m	74.1 N·m	Yes
Decay to 10 N·m	80 - 100 ms	84.8 ms	Yes

Test meets specifications.

Condition: Used

Comments:

Neck S/N: DM3051

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.02.2025 13:42:15 1848

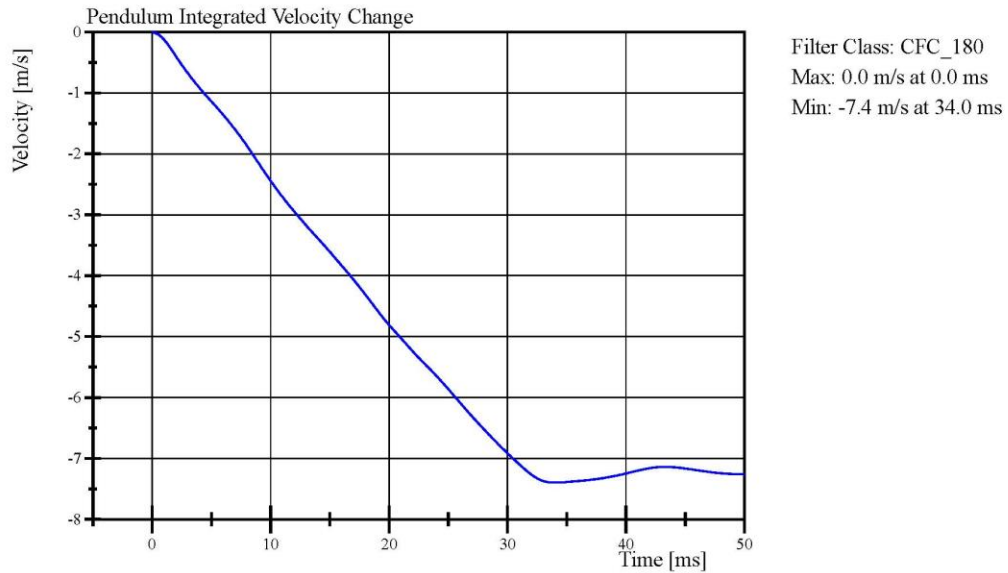
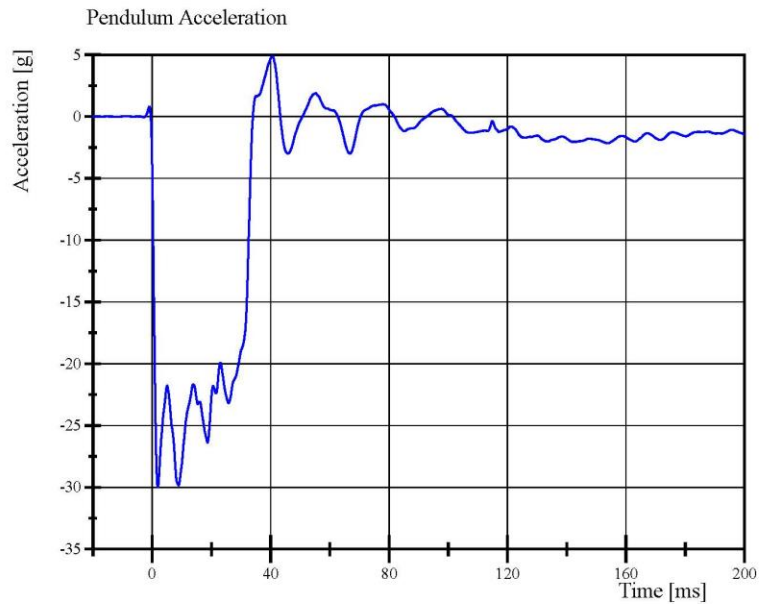


Transportation Research Center Inc.

Neck Flexion

HIII 5th Serial No. DH1659 Certification No. 27-1

Test Date: 5/2/2025



Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.02.2025 13:42:47 1848



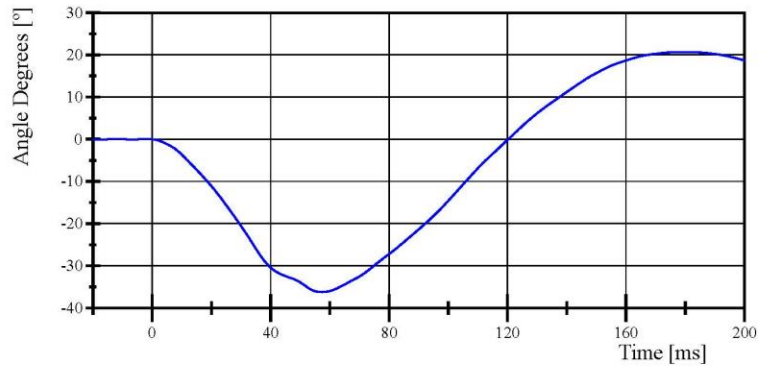
Transportation Research Center Inc.

Neck Flexion

HIII 5th Serial No. DH1659 Certification No. 27-1

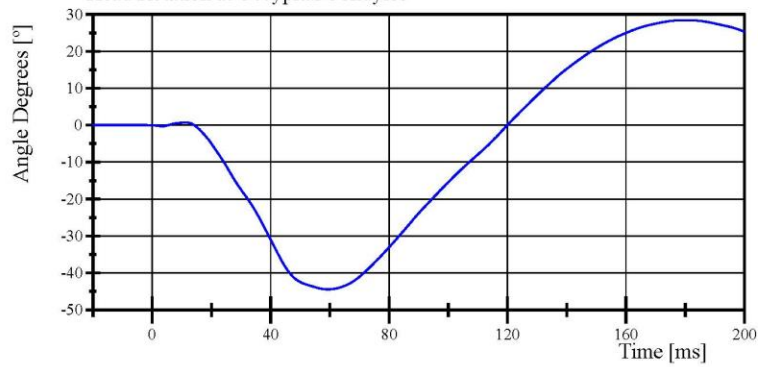
Test Date: 5/2/2025

Pot Rotation at the Base of Neck



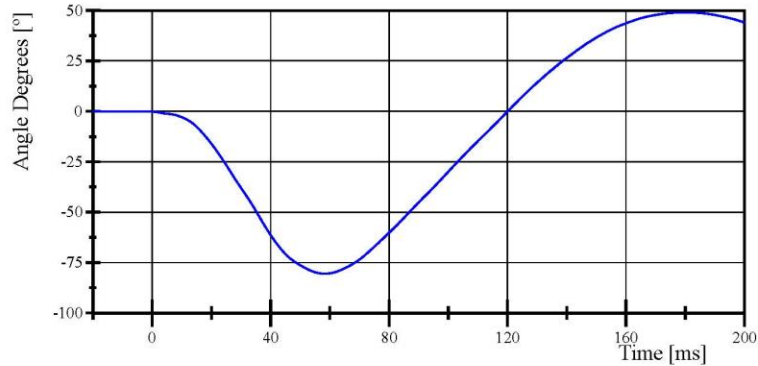
Filter Class: CFC_60
Max: 20.7 ° at 180.0 ms
Min: -36.2 ° at 57.4 ms

Head Rotation at Occypital Condyles



Filter Class: CFC_60
Max: 28.4 ° at 179.9 ms
Min: -44.4 ° at 59.3 ms

Total Head D-Plane Rotation



Filter Class: CFC_60
Max: 49.1 ° at 179.9 ms
Min: -80.6 ° at 58.3 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.02.2025 13:42:47 1848

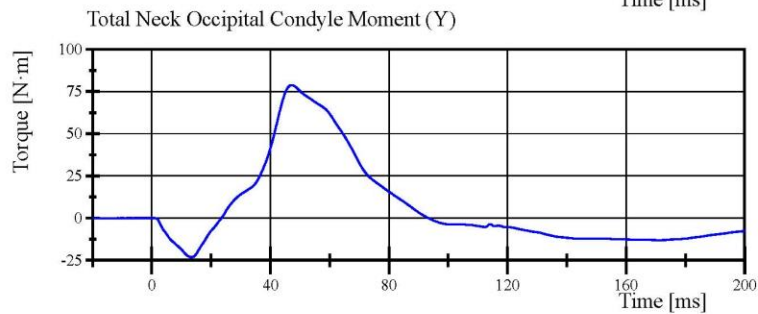
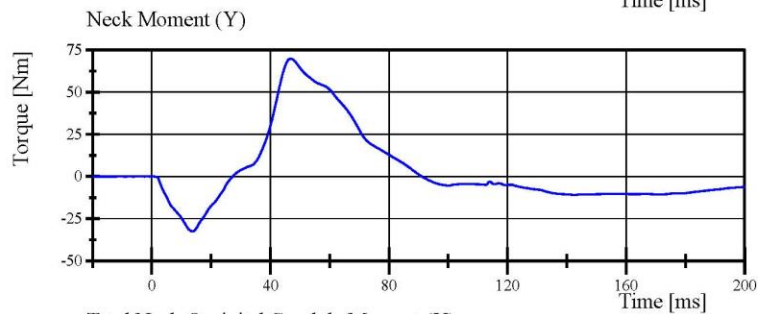
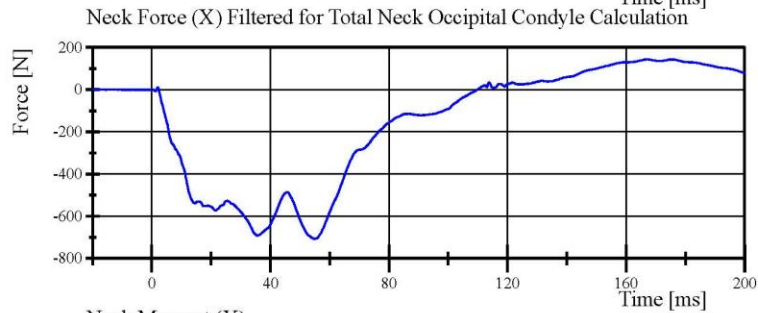
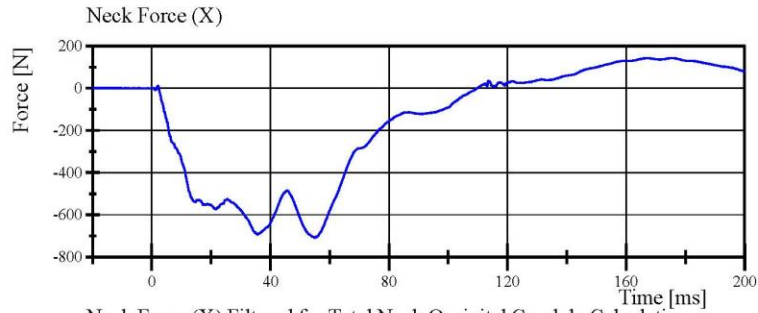


Transportation Research Center Inc.

Neck Flexion

HIII 5th Serial No. DH1659 Certification No. 27-1

Test Date: 5/2/2025



Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.02.2025 13:42:47 1848



Transportation Research Center Inc.

Neck Extension

HIII 5th Serial No. DH1659 Certification No. 27-1

Test Date: 5/2/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.1 °C	Yes
Relative Humidity	10 - 70 %	64 %	Yes
Pendulum Velocity	(-5.95) - (-6.19) m/s	-6.072 m/s	Yes
Pendulum Integrated Velocity			
Change at 10ms	1.5 - 1.9 m/s	1.86 m/s	Yes
Change at 20ms	3.1 - 3.9 m/s	3.74 m/s	Yes
Change at 30ms	4.6 - 5.6 m/s	5.50 m/s	Yes
Total Head D-Plane Rotation	99 - 114 °	100.9 °	Yes
Total Neck Occipital Condyles Moment			
Between 99° and 114° Rotation	(-53) - (-65) N·m	-61.4 N·m	Yes
Decay to -10 N·m	94 - 114 ms	102.2 ms	Yes

Test meets specifications.

Condition: Used

Comments:

Neck S/N: DM3051

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.02.2025 14:20:21 2000

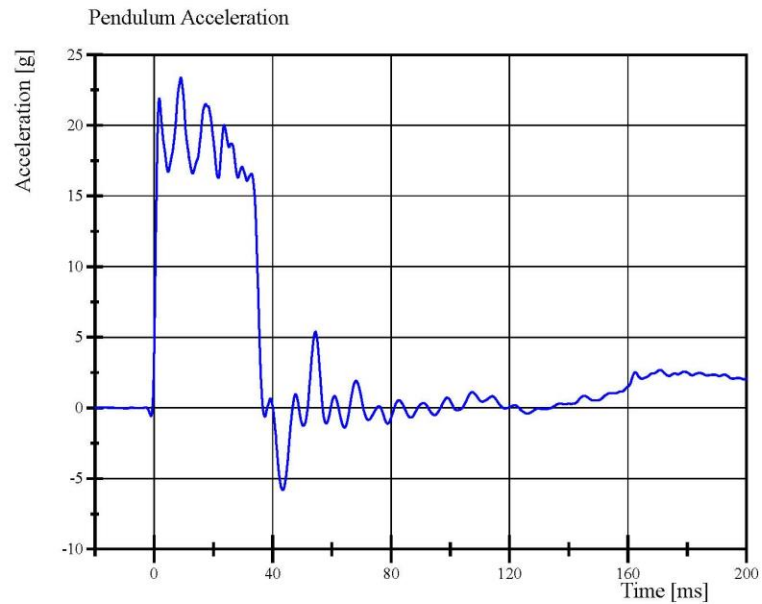


Transportation Research Center Inc.

Neck Extension

HIII 5th Serial No. DH1659 Certification No. 27-1

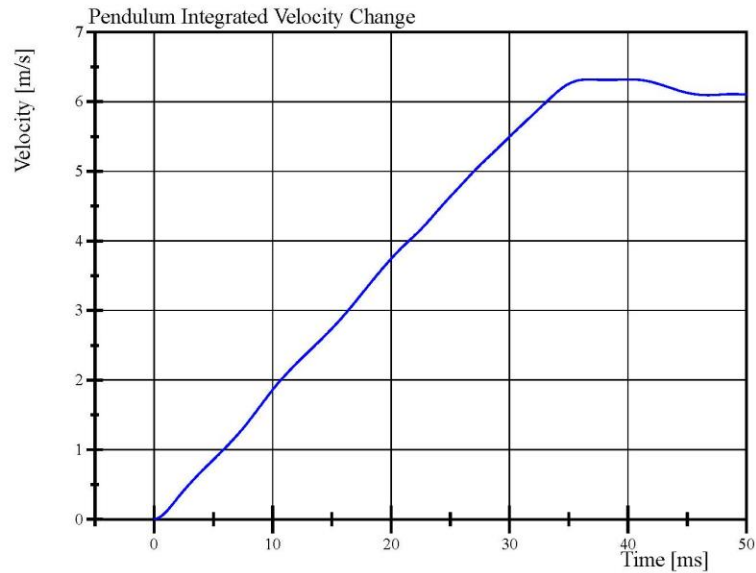
Test Date: 5/2/2025



Filter Class: CFC_180

Max: 23.4 g at 9.0 ms

Min: -5.8 g at 43.5 ms



Filter Class: CFC_180

Max: 6.3 m/s at 40.1 ms

Min: 0.0 m/s at 0.0 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.02.2025 14:20:43 2000



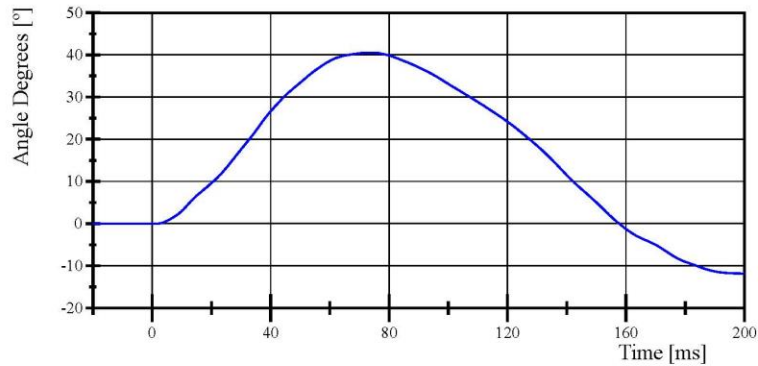
Transportation Research Center Inc.

Neck Extension

HIII 5th Serial No. DH1659 Certification No. 27-1

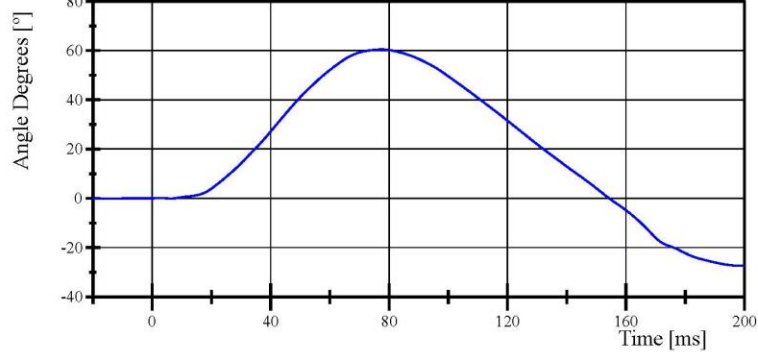
Test Date: 5/2/2025

Pot Rotation at the Base of Neck



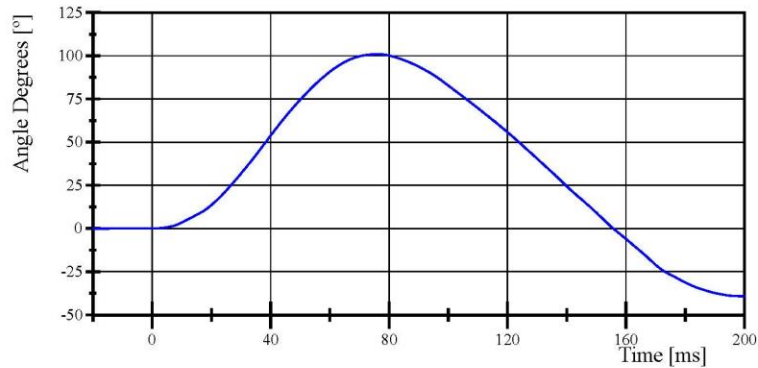
Filter Class: CFC_60
Max: 40.6 ° at 73.7 ms
Min: -11.9 ° at 200.0 ms

Head Rotation at Occypital Condyles



Filter Class: CFC_60
Max: 60.5 ° at 77.5 ms
Min: -27.4 ° at 200.0 ms

Total Head D-Plane Rotation



Filter Class: CFC_60
Max: 100.9 ° at 76.2 ms
Min: -39.2 ° at 200.0 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.02.2025 14:20:43 2000

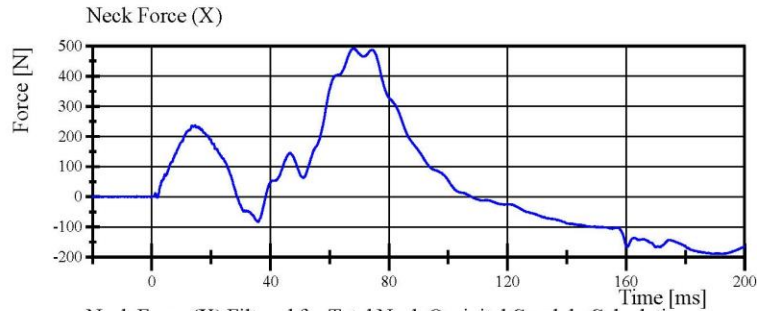


Transportation Research Center Inc.

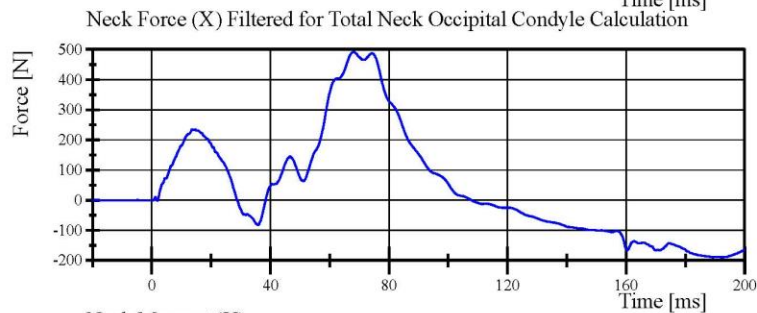
Neck Extension

HIII 5th Serial No. DH1659 Certification No. 27-1

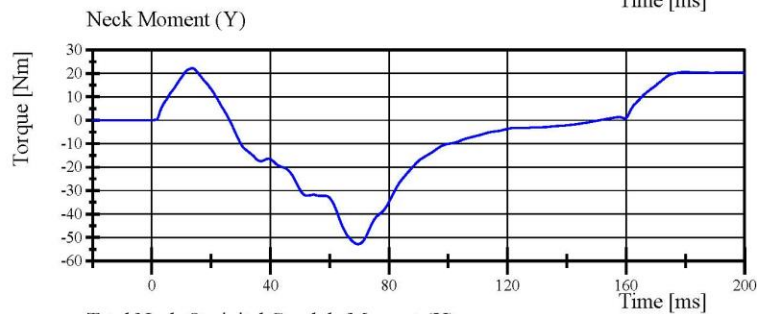
Test Date: 5/2/2025



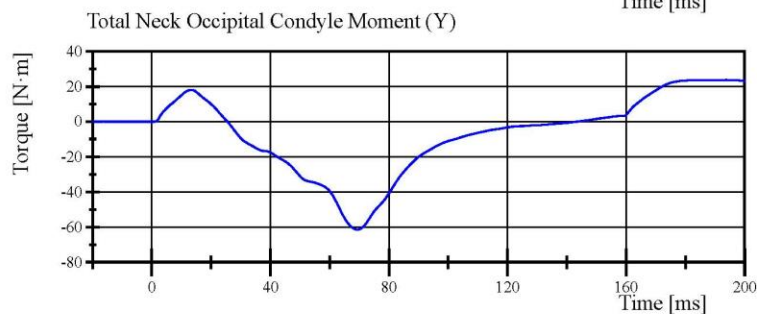
Filter Class: CFC_1000
Max: 492.3 N at 68.3 ms
Min: -189.9 N at 189.2 ms



Filter Class: CFC_600
Max: 491.5 N at 68.2 ms
Min: -189.5 N at 192.5 ms



Filter Class: CFC_600
Max: 22.2 Nm at 13.5 ms
Min: -52.9 Nm at 69.7 ms



Filter Class: Without_(Constar
Max: 23.7 N·m at 193.7 ms
Min: -61.4 N·m at 69.4 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.02.2025 14:20:43 2000



Transportation Research Center Inc.

Front Thorax

HIII 5th Serial No. DH1659 Certification No. 27-1

Test Date: 5/5/2025

Test Parameter	Specification	Test Results	Pass
Temperature	20.6 - 22.2 °C	21.3 °C	Yes
Relative Humidity	10 - 70 %	49 %	Yes
Probe Velocity	6.59 - 6.83 m/s	6.824 m/s	Yes
Probe Force Peak Between 50.0 mm and 58.0 mm Chest Deflection	(-3,900) - (-4,400) N	-4,122.9 N	Yes
Probe Force Peak Between 18.0 mm and 50.0 mm Chest Deflection	>= (-4,600) N	-4,225.2 N	Yes
Maximum Chest Compression	(-50) - (-58) mm	-50.7 mm	Yes
Internal Hysteresis	69 - 85 %	74.5 %	Yes

Test meets specifications.

Condition: Used

Comments:

Jacket S/N: EE8365

Rib Set S/N: DI5873

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.05.2025 10:01:55 412

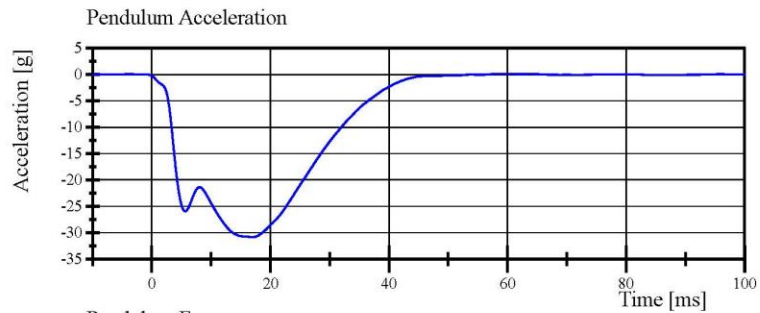


Transportation Research Center Inc.

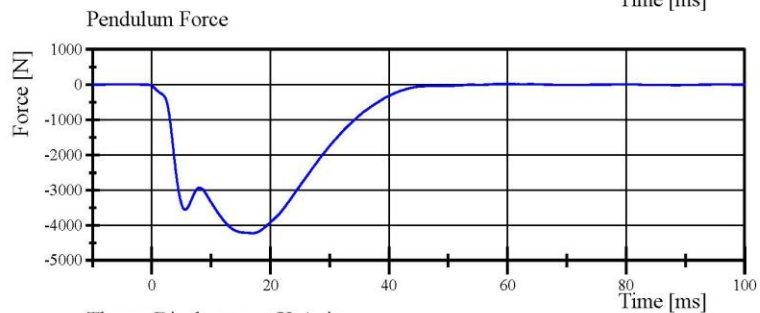
Front Thorax

HIII 5th Serial No. DH1659 Certification No. 27-1

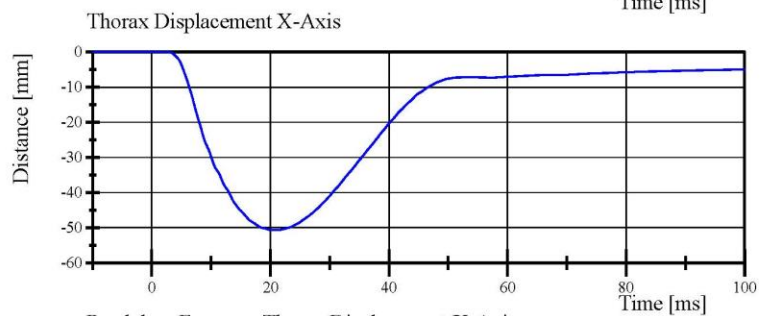
Test Date: 5/5/2025



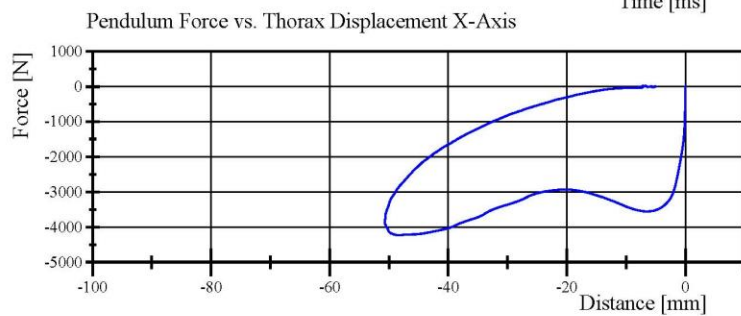
Filter Class: CFC_180
Max: 0.1 g at 58.2 ms
Min: -30.8 g at 17.0 ms



Filter Class: CFC_180
Max: 17.9 N at 58.2 ms
Min: -4,225.2 N at 17.0 ms



Filter Class: CFC_600
Max: 0.0 mm at -5.2 ms
Min: -50.7 mm at 20.4 ms



Filter Class: CFC_180
Max: 17.9 N at -7.2 mm
Min: -4,225.2 N at -48.4 mm

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.05.2025 10:02:22 412

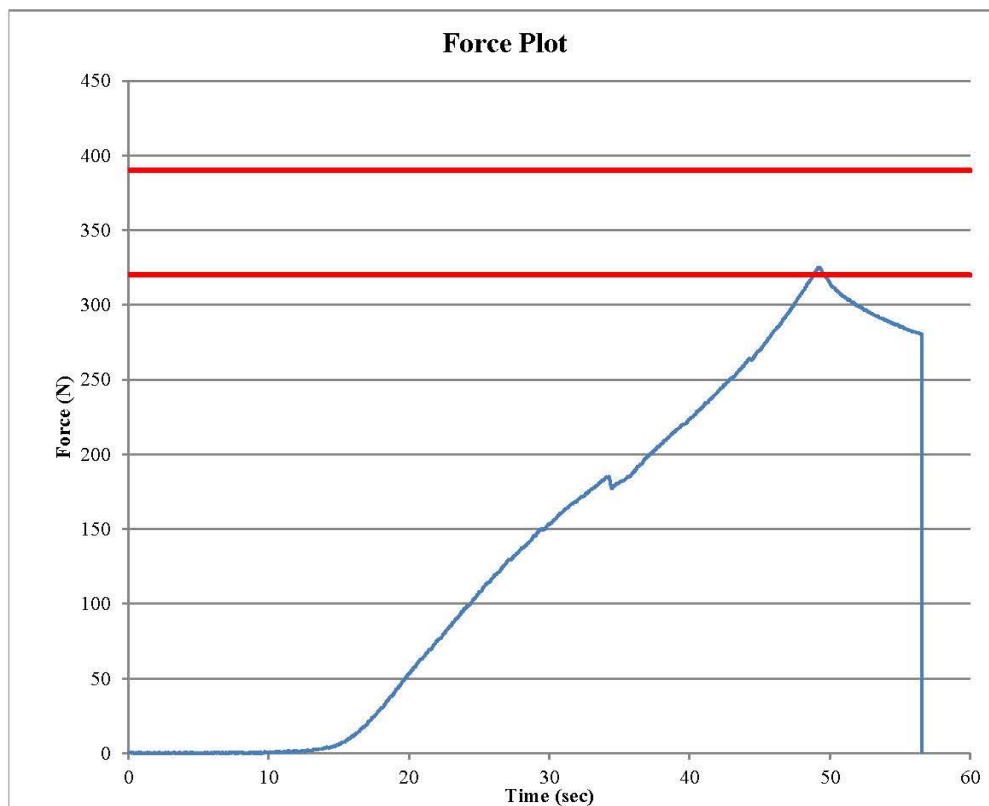


Transportation Research Center Inc.
Hybrid III Small Female Torso Flexion



Customer: NHTSA
Serial Number: DH1659 Date: 5/2/2025
Test Number: 1 Time: 13:50

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature	18.9 - 25.6	21 °C Pass
Humidity	10 - 70	62 % Pass
Average Angular Rate	0.5 - 1.5	0.95 deg/sec Pass
Initial Angle	0 - 20	12.05 deg Pass
Peak Force at 45.63°	320 - 390	325.03 N Pass
Final Angle	-8 - 8	3.4 deg Pass



Components: Comments:
Jacket S/N: EE8385
Abdomen S/N: EE8393
Lumbar S/N: EW9168

Transportation Research Center Inc.

Left Knee Femur Response Test

HIII 5th Serial No. DH1659 Certification No. 27-1

Test Date: 4/30/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.6 °C	21.5 °C	Yes
Relative Humidity	10 - 70 %	44 %	Yes
Probe Velocity	2.07 - 2.13 m/s	2.078 m/s	Yes
Peak Femur Force	(-3,450) - (-4,060) N	-4,045.6 N	Yes

Test meets specifications.

Condition: Used

Comments:

Knee Skin S/N: ED6729

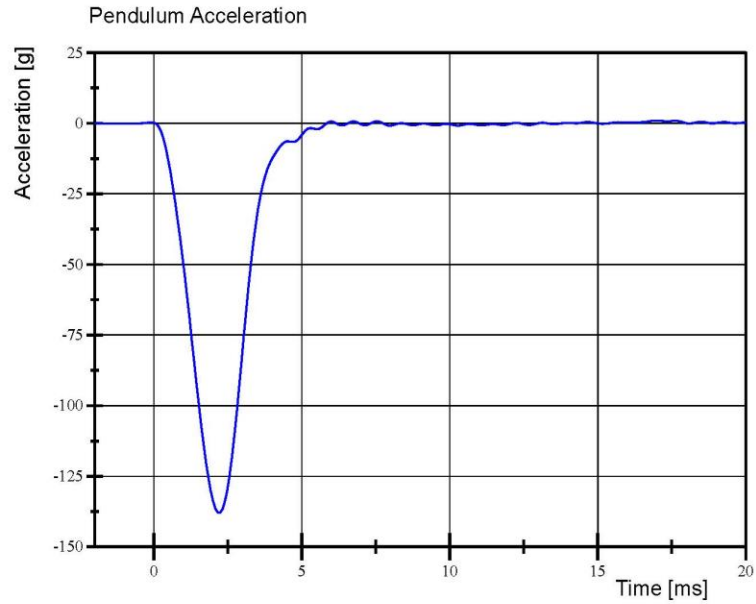
Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.30.2025 13:41:42 1996

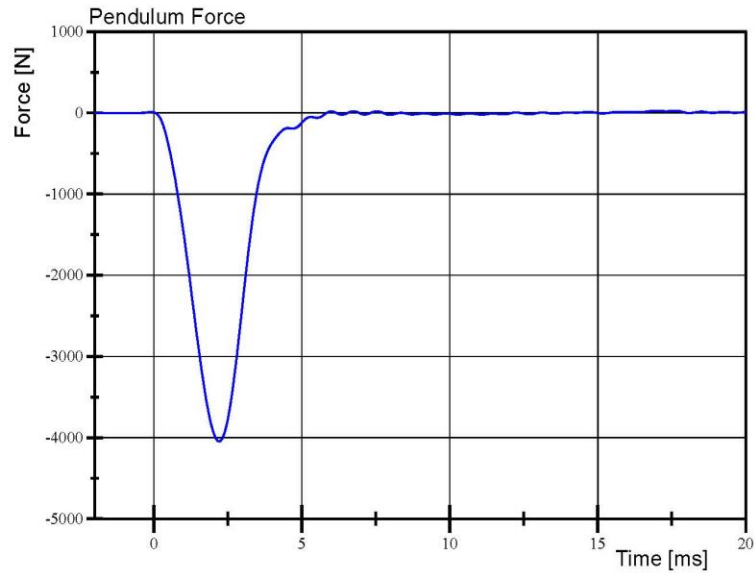


Transportation Research Center Inc.

Left Knee Femur Response Test
HIII 5th Serial No. DH1659 Certification No. 27-1
Test Date: 4/30/2025



Filter Class: CFC_600
Max: 0.9 g at 17.0 ms
Min: -138.0 g at 2.2 ms



Filter Class: CFC_600
Max: 27.3 N at 17.0 ms
Min: -4,045.6 N at 2.2 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

04.30.2025 13:44:21 1996



Transportation Research Center Inc.

Right Knee Femur Response Test
HIII 5th Serial No. DH1659 Certification No. 27-1
Test Date: 5/1/2025

Test Parameter	Specification	Test Results	Pass
Temperature	18.9 - 25.6 °C	21.2 °C	Yes
Relative Humidity	10 - 70 %	50 %	Yes
Probe Velocity	2.07 - 2.13 m/s	2.087 m/s	Yes
Peak Femur Force	(-3,450) - (-4,060) N	-3,739.9 N	Yes

Test meets specifications.

Condition: Used

Comments:

Knee Skin S/N: ED6729

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.01.2025 09:51:28 1776

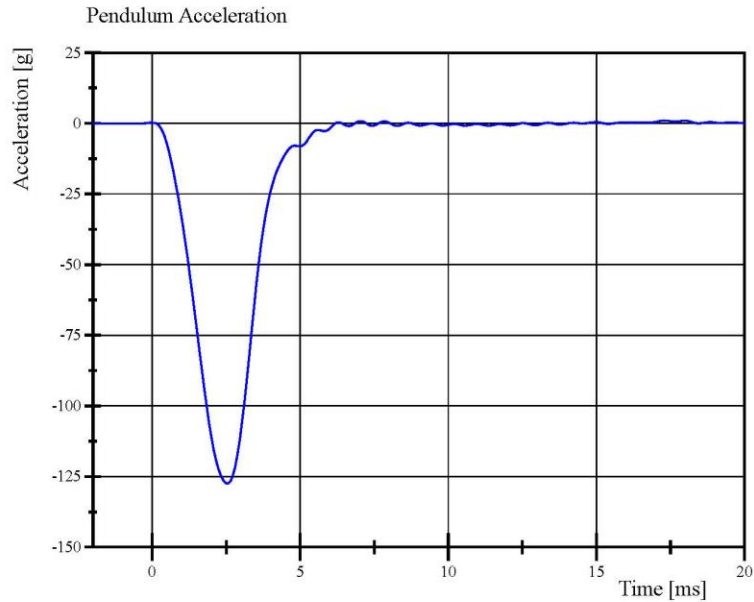


Report Number: DH1659_HFH27

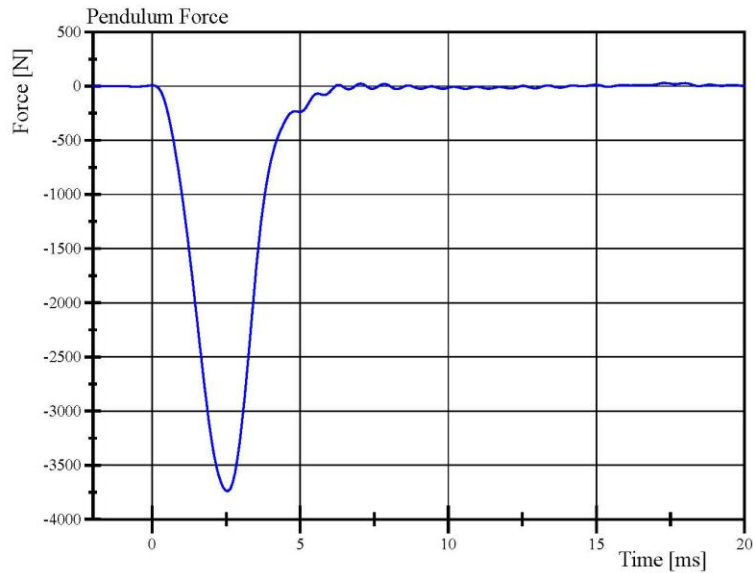
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Transportation Research Center Inc.

Right Knee Femur Response Test
HIII 5th Serial No. DH1659 Certification No. 27-1
Test Date: 5/1/2025



Filter Class: CFC_600
Max: 1.0 g at 17.3 ms
Min: -127.5 g at 2.6 ms



Filter Class: CFC_600
Max: 28.8 N at 17.3 ms
Min: -3,739.9 N at 2.6 ms

Specification Source: CFR49 Part 572 Subpart O
with Polarity in accordance with J211

05.01.2025 09:51:59 1776



APPENDIX D
TEST EQUIPMENT AND INSTRUMENTATION CALIBRATION

TABLE 1 – Driver Dummy Instrumentation

Instrumentation			Axis/Location	Hybrid III 50th S/N 037			
				Serial Number	Manufacturer	Calibration Date	
Head Accelerometers	Primary		X	T10650	Endevco	17-Mar-2025	
			Y	T43255	Endevco	17-Mar-2025	
			Z	P91969	Endevco	17-Mar-2025	
	Redundant		X	P94431	Endevco	17-Mar-2025	
			Y	P94487	Endevco	17-Mar-2025	
			Z	P94645	Endevco	17-Mar-2025	
Head Angular Rate Sensors			X	ARS14948	DTS	26-Jul-2024	
			Y	ARS14952	DTS	26-Jul-2024	
			Z	ARS14949	DTS	26-Jul-2024	
Upper Neck Load Cell			FX, FY, FZ, MX, MY, MZ	2021	Humanetics	17-Mar-2025	
Chest Accelerometers	Primary		X	P97714	Endevco	17-Mar-2025	
			Y	P61255	Endevco	17-Mar-2025	
			Z	P45008	Endevco	17-Mar-2025	
	Redundant		X	P91177	Endevco	17-Mar-2025	
			Y	P94570	Endevco	17-Mar-2025	
			Z	P91172	Endevco	17-Mar-2025	
Chest Potentiometer			X	CST037	Servo	17-Mar-2025	
Pelvis Accelerometers			X	T11801	Endevco	17-Mar-2025	
			Y	P91876	Endevco	17-Mar-2025	
			Z	P93543	Endevco	17-Mar-2025	
Femur Load Cells	Left	Primary	Z	DI4215-FZ1	Humanetics	18-Mar-2025	
		Redundant	Z	DI4215-FZ2	Humanetics	18-Mar-2025	
	Right	Primary	Z	DI4216-FZ1	Humanetics	18-Mar-2025	
		Redundant	Z	DI4216-FZ2	Humanetics	18-Mar-2025	
Tibia Load Cells	Left	Upper	MX, MY, FZ	3643-94	Denton	18-Mar-2025	
		Lower	MX, MY, FZ	3644-370	Denton	18-Mar-2025	
	Right	Upper	MX, MY, FZ	3643-413	Denton	18-Mar-2025	
		Lower	MX, MY, FZ	3644-401	Denton	18-Mar-2025	
Foot Accelerometers	Left	Rear	X	P90848	Endevco	14-Jan-2025	
			Z	T17602	Endevco	15-Jan-2025	
		Front	Z	P90841	Endevco	17-Mar-2025	
	Right	Rear	X	P93467	Endevco	17-Mar-2025	
			Z	P97619	Endevco	17-Mar-2025	
		Front	Z	P94523	Endevco	17-Mar-2025	
Seat Belt Load Cells			Lap	N/A	R141C6	Measurement Specialties	17-Apr-2025
			Shoulder	N/A	N100E8	Measurement Specialties	17-Apr-2025

TABLE 2 – Front Passenger Dummy Instrumentation

Instrumentation			Axis/Location	Hybrid III 5th S/N DH1659		
				Serial Number	Manufacturer	Calibration Date
Head Accelerometers	Primary		X	T10336	Endevco	9-Apr-2025
			Y	T11806	Endevco	7-Mar-2025
			Z	P69062	Endevco	7-Mar-2025
	Redundant		X	T11046	Endevco	7-Mar-2025
			Y	P97525	Endevco	7-Mar-2025
			Z	P73228	Endevco	7-Mar-2025
Head Angular Rate Sensors			X	ARS6120	DTS	26-Jul-2024
			Y	ARS10776	DTS	26-Jul-2024
			Z	ARS4732	DTS	26-Jul-2024
Upper Neck Load Cell		FX, FY, FZ, MX, MY, MZ	1874	Humanetics	24-Apr-2024	
Chest Accelerometers	Primary		X	P80855	Endevco	7-Mar-2025
			Y	P93546	Endevco	7-Mar-2025
			Z	P57791	Endevco	10-Apr-2025
	Redundant		X	P73221	Endevco	7-Mar-2025
			Y	T11872	Endevco	7-Mar-2025
			Z	T16784	Endevco	7-Mar-2025
Chest Potentiometer		X	CST3410	Servo	7-Mar-2025	
Pelvis Accelerometers			X	P94498	Endevco	7-Mar-2025
			Y	P91958	Endevco	7-Mar-2025
			Z	P80721	Endevco	7-Mar-2025
Femur Load Cells	Left	Primary	Z	DT0997-FZ1	Humanetics	7-Mar-2025
		Redundant	Z	DT0997-FZ2	Humanetics	7-Mar-2025
	Right	Primary	Z	DS4140-FZ1	Humanetics	7-Mar-2025
		Redundant	Z	DS4140-FZ2	Humanetics	7-Mar-2025
Tibia Load Cells	Left	Upper	MX, MY, FZ	3643-92	Humanetics	6-Mar-2025
		Lower	MX, MY, FZ	3644-92	Humanetics	6-Mar-2025
	Right	Upper	MX, MY, FZ	3643-484	Humanetics	6-Mar-2025
		Lower	MX, MY, FZ	3644-369	Humanetics	6-Mar-2025
Foot Accelerometers	Left	Rear	X	P90866	Endevco	6-Mar-2025
			Z	P93533	Endevco	6-Mar-2025
		Front	Z	P97890	Endevco	6-Mar-2025
	Right	Rear	X	P97640	Endevco	6-Mar-2025
			Z	P91471	Endevco	6-Mar-2025
		Front	Z	P91907	Endevco	6-Mar-2025
Seat Belt Load Cells		Lap	N/A	T1210D	Measurement Specialties	17-Apr-2025
		Shoulder	N/A	T1210C	Measurement Specialties	17-Apr-2025

TABLE 3 – Vehicle Instrumentation

Instrumentation			Axis	Serial Number	Manufacturer	Calibration Date
Crossmember/Rear Seat Accelerometers	Left	Primary	X	A377535	Measurement Specialties	3-Mar-2025
			Z	A377526	Measurement Specialties	3-Mar-2025
		Redundant	X	A377518	Measurement Specialties	3-Mar-2025
	Right	Primary	X	A385742	Measurement Specialties	22-Jan-2025
			Z	A379057	Measurement Specialties	3-Mar-2025
		Redundant	X	A379042	Measurement Specialties	27-Feb-2025
Engine Accelerometers	Top		X	A379037	Measurement Specialties	27-Feb-2025
	Bottom		X	A379050	Measurement Specialties	3-Mar-2025