

Case 453 : Narrative

Case Vehicle (A): 1998 Ford	Vehicle (B): 1999 Pontiac
Type: Escort SE, 4-door sedan	Type: Grand Am SE, 2-door coupe
Driver: 19-year-old female	Driver: 21-year-old female
CDC: 12-FDEW-2, 03-RPEW-1	CDC: 09-LYEW-3, 09-LBEW-1

SITUATION

[1](#) [2](#) [3](#) It was daylight and clear, and the asphalt surface of the five-lane, east-west urban road with a posted speed of 45 mph (72 kph) was dry as case vehicle (A) was traveling west at a driver-estimated speed of 45 mph (72 kph) in the right-westbound lane. [4](#) [5](#) [6](#) Vehicle (B) was stopped facing south at a stop sign in the southbound lane of a north-south road that intersects with the east-west road. As case vehicle (A) approached the intersection, [7](#) the driver of vehicle (B) began a left turn to travel east and vehicle (B) entered the westbound lane of the east-west road. The driver of case vehicle (A) reportedly applied the brakes but was unable to avoid a collision and the front of case vehicle (A) struck the left side of vehicle (B) in an L-type impact. After the impact, case vehicle (A) rotated counterclockwise and vehicle (B) rotated clockwise, causing the right-front door of case vehicle (A) to contact the left-rear corner of vehicle (B). Both vehicles were towed from the scene due to damage.

The police accident report indicates B-level injuries for the drivers and only occupants of the two vehicles. Both drivers were transported to a local hospital where they were treated and released.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[8](#) [9](#) Direct damage to case vehicle (A) extended across the entire front end. The maximum crush was 31 cm and it occurred at the center of the front bumper. [10](#) [11](#) Damage from the side-slap impact was minor with direct damage extending 100-cm along the right-front door and a maximum lateral crush of 7 cm.

[12](#) [13](#) Direct damage to vehicle (B) began 22-cm forward of the left-front axle and extended 151-cm rearward to the rear edge of the driver door. The maximum crush was 28 cm and it occurred at the lower section of the left A-pillar. [14](#) Direct damage from the side-slap impact was minor and consisted of minor scratches that began at the left-rear corner and extended 77-cm forward along the quarter panel. Vehicle (B) was equipped with an Event Data Recorder (EDR) that recorded an adjusted-algorithm longitudinal velocity change of 76.14 mph at 120 ms into the event.

[15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) Using the WinSMASH crash-reconstruction program and crush profiles measured for case vehicle (A) and vehicle (B), the following impact severities were estimated for the L-type collision between the front of case vehicle (A) and the left side of vehicle (B):

		Estimated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	33 (20)	-33 (-20)	0 (0)

Vehicle (B)	delta V	26 (16)	-5 (-3)	26 (16)
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DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

[24](#) In the front, the entire front end was crushed rearward with some minor lateral shifting to the left. [25](#) The bumper reinforcement bar, the grille, and the engine components were crushed rearward and the bumper cover was completely separated from its attachments. [26](#) The right headlight assembly was broken and the headlight glass was shattered, and [27](#) the left headlight assembly was displaced but the glass was intact. [28](#) The front of the hood was crushed rearward, the hood latch was damaged and jammed, [29 30](#) and both hood hinges were bent up, allowing the rear edge of the hood to elevate. [31 32](#) Deformation of the left and the right corners of the cowl caused cracks in both lower corners of the windshield, and there were cracks in the center and right sections of the windshield from contact by the center rearview mirror and the deploying dash-mounted airbag.

[33](#) On the right side, the front edge of the fender was crushed rearward and the mid and rear sections were buckled. [34 35](#) There was no damage to the right-side wheels and there was no change in the right wheelbase. [36 37](#) The right-front door was damaged, the door glass was shattered, and the right-side rearview mirror was damaged from the side-slap impact. [38 39](#) There was no other damage to the right side.

[40 41](#) On the left side, the fender was crushed rearward into the wheel well and left-front tire. [42](#) The left-front wheel was damaged and pushed rearward and the left wheelbase was reduced by 11 cm. [43 44](#) There was no other damage to the left side and [45](#) there was no damage to the rear of the case vehicle.

Interior

[46](#) This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags and both deployed during the frontal impact. In the driver seating area, there was no damage to the [52](#) deployed steering-wheel airbag or to the module flaps. [47](#) There was no damage to the roof, to the roof headliner, or to the left A-pillar, [48](#) but the left side of the windshield was cracked due to cowl deformation. [54 55](#) There were scuffmarks on the left section of the driver knee bolster and [56](#) on the left side of the steering column, and [57 58](#) the steering-column plastic was cracked on the right side near the ignition key. [59](#) The driver toepan was displaced rearward [60](#) but there was no damage to the foot controls. [49 50 51 53 61](#) There was no other damage in the driver area.

In the center-front area, [65](#) the rearview mirror contacted and cracked the windshield but the mirror glass was intact. [62 63 64](#) There was no other damage in the center-front area.

[67](#) In the right-front seating area, there was a dense pattern of cracks in the lower section of the windshield from contact by the deploying dash-mounted airbag. There was no damage to the module cover, [68 69](#) but there was a large tear across the top and sides of the airbag fabric. [66 70 71 72 73](#) There was no other damage in the right-front seating area.

[59 72](#) The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
driver	toepan	14	to rear

OCCUPANT KINEMATICS AND INJURIES

The 168-cm, 57-kg (5-ft 6-in, 125-lb) 19-year-old female driver was using the three-point belt and the steering-wheel airbag deployed. Belt use at the time of the crash is indicated by webbing loading marks on the [74](#) D-ring and [75 76 77](#) on the continuous loop of the latch plate.

During the frontal impact, the driver moved forward relative to the vehicle interior, into the airbag, the belt restraints, and the knee bolster. She sustained a fracture to the middle of the left clavicle and an abrasion to the skin over the clavicle from loading by the shoulder belt. She sustained a 2x2-cm abrasion to the left hip from loading by the lap belt. She sustained contusions and abrasions to the left knee from contact with the knee bolster and/or the steering column, and she sustained contusions and abrasions to the right knee, probably from contact with the steering column near the ignition key. She sustained a fracture to the right calcaneus, probably from foot contact with the toe pan while applying the brakes during the frontal impact.

The following table and attached drawing [78](#) summarize the injuries for the driver.

Occupant: Driver	Age: 19 years	Gender: Female		
Restraints: 3-point belt; steering-wheel airbag	Stature: 168 cm (5 ft, 6 in)	Mass: 57 kg (125 lb)		
Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
—	—			
Fracture, middle of left clavicle	2	Shoulder belt	—	—
Abrasion, over left clavicle	1	Shoulder belt	—	—
2x2-cm abrasion, left hip	1	Lap belt	—	—
Contusions and abrasions, left knee	1	Knee bolster; steering column	—	—
Contusions and abrasions, right knee	1	—	Steering column	—
Fracture, right calcaneus	2	—	Toe pan while braking	—
Maximum A.I.S. Level	2	—	—	—
Injury Severity Score	5	—	—	—

CASE NO.: 453

CASE VEHICLE: 1998 Ford

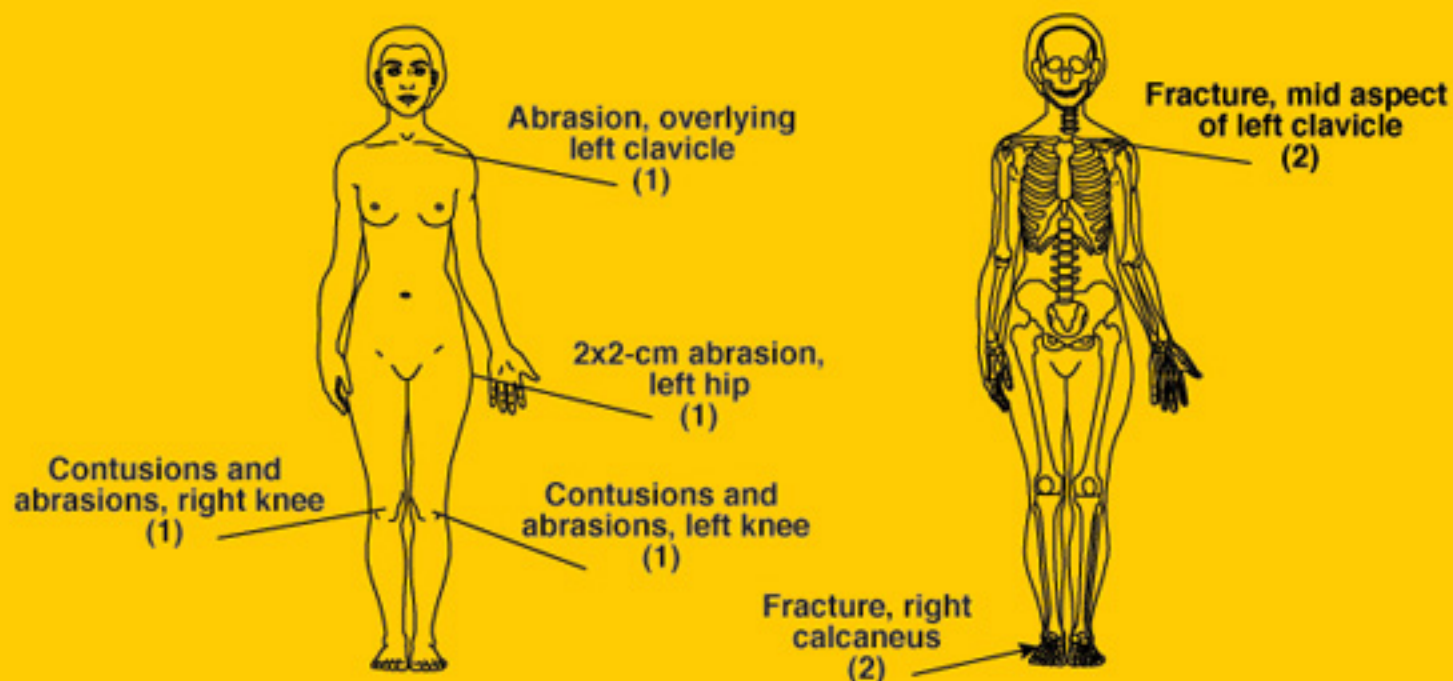
TYPE: Escort SE, 4-door sedan

OCCUPANT: (Driver) 19-year-old female

STATURE: 168 cm (5 ft 6 in) MASS: 57 kg (125 lb)

RESTRAINTS: 3-point belt; steering-wheel airbag

SEVERITY: MAIS - 2 ISS - 5



Case No.: 453

Case Veh. (A): 1998 Ford

Type: Escort SE, 4-door sedan

Driver: 19-year-old female

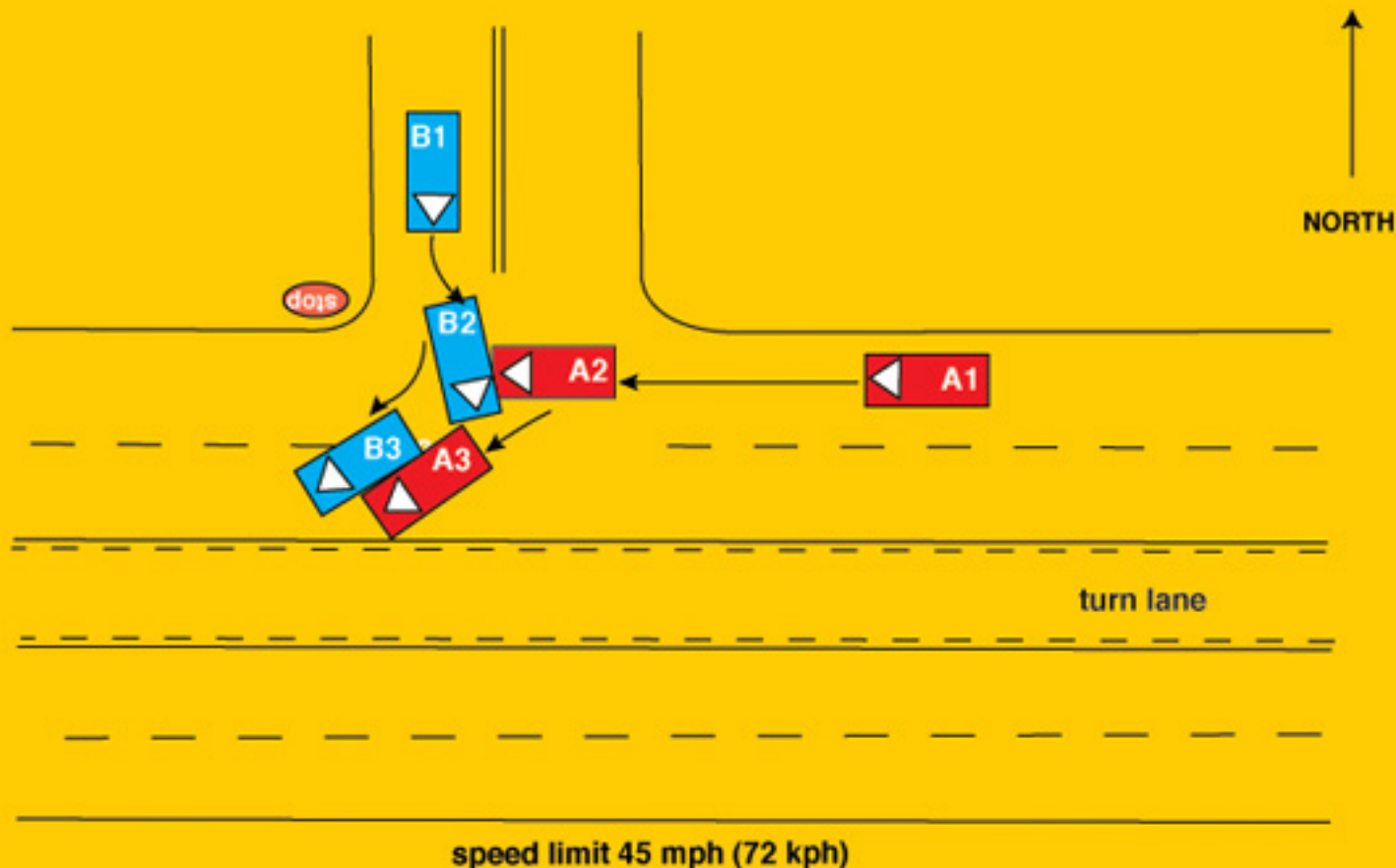
Vehicle (B): Grand Am, SE, 2-door coupe

Weather: Clear

Road Surface: Dry

Road Construction: Asphalt

Light Condition: Daylight



Case 453: Vehicle Report

Click on Section Name to jump directly to that Section —

- [General Information](#)
 - [Other Vehicle](#)
 - [Case Vehicle General](#)
 - [Case Vehicle Damage Description](#)
 - [Crash Reconstruction](#)
 - [Case Vehicle Tires & Rims](#)
 - [Case Vehicle Fuel Tank](#)
 - [Case Vehicle Fuel Leakage](#)
 - [Case Vehicle Fire](#)
 - [Case Vehicle Exterior](#)
 - [Case Vehicle Steering Column/Rim](#)
 - [Case Vehicle Intrusion](#)
 - [Case Vehicle Airbag\(s\)](#)
 - [Case Vehicle Interior](#)
 - [Case Vehicle Seats](#)
 - [Case Vehicle Side Airbag\(s\)](#)
 - [EDR -- Event Data Recorder](#)
-

General Information

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0204	Collision Hour	1819	Time of day (24 hour clock)	more
V0205	State Fips Code	26	Michigan	more
V0206	Urban/rural Area	1	Urban	more
V0207	Limited Access Highway	0	No	more
V0208	Road Total Lanes	4	4 lanes or more	more
V0209	Intersect Road Total Lanes	2	2 lanes	more
V0210	Trafficway Flow	0	Not physically divided - two way traffic	more
V0211	Road Surface Type	1	Asphalt	more
V0212	Road Defects	0	No	more
V0213	Construction Zone	0	No	more
V0214	Road Alignment Vertical Plane	1	Level	more

V0215	Road Alignment Horizontal Plane	1	Straight	more
V0216	Surface Covering	10	Dry	more
V0217	Visibility Limitation	0	None	more
V0218	Visibility Obstruction	0	None	more
V0219	Speed Limit	4	71-79 km/h .. 45 mph	more
V0220	Precipitation Type	0	None	more
V0221	Precipitation Rate	8	Not applicable	more
V0222	Temperature	9	Unknown	more
V0223	Crosswind	9	Unknown	more
V0224	Light Conditions	1	Daylight	more
V0225	Mechanical Malfunction Mention	0	No	more
V0226	Case Vehicle And Object	0	No	more
V0227	Case Vehicle Rollover	0	No	more
V0228	Rollover Location	0	No rollover	more
V0229	Roll Direction	0	No rollover	more
V0230	Rollover Initiation Type	0	No rollover	more
V0231	Rollover Number Of Turns	0	No rollover	more
V0232	Case Vehicle Preimpact Braking	1	Yes	more
V0233	Case Vehicle Preimpact Stability	1	Case vehicle tracking before impact	more
V0234	Case Vehicle Ran Off Roadway	0	No	more
V0235	Moving Case Vehicle Contacted Moving Vehicle	1	Yes	more
V0236	Case Vehicle Contacted Stopped Vehicle	0	No	more
V0237	Stopped Case Vehicle Contacted Vehicle	0	No	more
V0238	Total Vehicles Hit By Case Vehicle	1	1 vehicle	more
V0239	Any Fire In Crash?	0	No	more
V0240	Maximum Police Severity-acc	2	B - Non-Incapacitating Injury	more
V0241	Driver Alcohol Involvmnt	0	Had not been drinking	more
V0242	Driver Alcohol BAC (Case Vehicle)	80	No test	more
V0243	Driver Impairment Mention	0	No	more
V0244	Driver Distraction	01	Attentive or not distracted	more

V0245	Driver Drug Involvement	0	None	more
V0246	Driver Drug Type	0	No drug use	more
V0247	Driven/towed From Scene	2	Towed Due to Damage	more

Other Vehicle

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0301	Other Vehicle VIN	1G2NE12T0XXXXXXXX	—	more
V0302	Other Vehicle Manufacturer/Body Code	11528	—	—
V0303	Other Vehicle Manufacturer	115	Pontiac	more
V0304	Other Vehicle Body Code	28	Intermediate 105-109.9 in. wb.	more
V0305	Other Vehicle Make/model	0331	Grand Am	more
V0306	Other Vehicle Model Year	1999	Year	more
V0307	Other Vehicle Mass	001383 kg	Mass (Kg.)	more
V0308	Other Vehicle Number	1	Vehicle #1	more
V0309	Other Vehicle Number of Occupants	01	number of occupants	more
V0310	Other Vehicle Traveling Speed	995	Just starting	more
V0311	Highest Police Injury Severity	2	B - Non-Incapacitating Injury	more
V0312	Other Vehicle Type	28	Intermediate 105-109.9 in. wb.	more
V0313	Other Vehicle Wheelbase in Centimeters	271 cm	Actual Wheelbase (cm)	more
V0314	Other Vehicle Average Track Width	150 cm	actual measurement (cm)	more
V0315	Other Vehicle Overall Length	475 cm	actual measurement (cm)	more
V0316	Other Vehicle Overall Width (OAW)	179 cm	actual measurement (cm)	more
V0317	Other Vehicle Front Overhang	102 cm	actual measurement (cm)	more
V0318	Other Vehicle Rear Overhang	102 cm	actual measurement (cm)	more

V0319	Other Vehicle Undeformed End Width (UEW)	162 cm	actual measurement (cm)	more
V0320	Other Vehicle Engine Displacement	2.4 l	Liters	more
V0321	Other Vehicle Engine: Number of Cylinders	04	number of cylinders	more
V0322	Other Vehicle Direct Damage Length (DDL)	999	Unknown	more
V0323	Other Vehicle Front-End Overlap	99	Missing or Not applicable	more
V0324	Other Vehicle - Vehicle Overlap	99	Missing or Not applicable	more

Case Vehicle General

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0401	VIN	1FAFP13P2WXXXXXXX	Click for Case Vehicle figure	more
V0402	Manufacturer/Body Code	12126	—	—
V0403	Vehicle Manufacturer	121	Ford	more
V0404	Vehicle Body Code	26	Sub-Compact 95-99.9 in. wb.	more
V0405	Make/model Code	0219	Escort	more
V0406	Model Year	1998	Model year	more
V0407	Vehicle Mass	001122 kg	Mass (Kg)	more
V0408	Odometer Reading	072397	—	—
V0409	Number of Occupants	01	1 occupant	more
V0410	Traveling Speed	072 kph	Speed (km/h)	more
V0411	Body Type	14	4-door sedan	more
V0412	Stolen Vehicle	8	Not currently collected	more
V0413	Body Structure	2	Unitized	more
V0414	Transmission Type	1	Automatic	more
V0415	Transmission Lever Location	2	Console	more
V0416	Steering	1	Power	more
V0417	Brakes	1	Power	more
V0418	Brake Type	2	Disc - front wheels	more
V0419	Adjustable Pedals?	0	No	more
V0420	Brake Anti-lock Device	0	None installed	more

V0421	Air Conditioning in Vehicle	8	Not currently collected	more
V0422	Drive Type	2	Front wheel	more
V0423	Dual Rear Wheels	0	No	more
V0424	Original Restraint System Type	3	Air bag	more
V0425	Equipped With Roll Bar	0	No	more
V0426	Roof Type	1	Solid	more
V0427	Case Vehicle Wheelbase in Centimeters	250 cm	Actual Wheelbase	more
V0428	Anti-lacerative Glass	8	Not Collected	more
V0429	Case Vehicle average track Width	142 cm	actual measurement (cm)	more
V0430	Case Vehicle Overall Length	444 cm	actual measurement (cm)	more
V0431	Case Vehicle Overall Width (OAW)	170	actual measurement (cm)	more
V0432	Case Vehicle Front Overhang	089 cm	actual measurement (cm)	more
V0433	Case Vehicle Rear Overhang	105 cm	actual measurement (cm)	more
V0434	Case Vehicle Undeformed End Width (UEW)	144 cm	actual measurement (cm)	more
V0435	Case Vehicle Engine Displacement	2.0 l	Liters	more
V0436	Case Vehicle Engine: Number of Cylinders	04	number of cylinders	more
V0437	Case Vehicle Direct Damage Length (DDL)	144 cm	actual measurement (cm)	more
V0438	Case Vehicle Front-end Overlap	98	98% or more	more
V0439	Case Vehicle - Vehicle Overlap	98	98% or more	more

Case Vehicle Damage Description

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0501	Maximum Sheet Metal Crush - Front	031 cm	Depth of Crush (cm)	more

V0502	Maximum Sheet Metal Crush - Right Side	007 cm	Depth of Crush (cm)	more
V0503	Maximum Sheet Metal Crush - Rear	000 cm	No Crush (or less than 1 cm.)	more
V0504	Maximum Sheet Metal Crush - Left Side	000 cm	No Crush (or less than 1 cm.)	more
V0505	Maximum Sheet Metal Crush - Roof	000 cm	No Crush (or less than 1 cm.)	more
V0506	Maximum Sheet Metal Crush - Other	000 cm	No Crush (or less than 1 cm.)	more
V0507	Seq In Chronological Ord	1	Yes	more
V0508	Event 1 -impact Location	1	On Roadway	more
V0509	Event 1 -Impact Configuration	13	FRONT of case veh - SIDE of contacted veh	more
V0510	Event 1 -Object/Vehicle Contactd	28	Intermediate 105-109.9 in. wb.	more
V0511	Event 2 -impact Location	2	Shoulder/Median/Gore	more
V0512	Event 2 -Impact Configuration	43	RIGHT of case veh - SIDE of cont veh (no sideswi	more
V0513	Event 2 -Object/Vehicle Contactd	28	Intermediate 105-109.9 in. wb.	more
V0514	Event 3 -impact Location	8	No 3rd event	more
V0515	Event 3 -Impact Configuration	88	No 3rd event	more
V0516	Event 3 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0517	Event 4 -impact Location	8	No 4th event	more
V0518	Event 4 -Impact Configuration	88	No 4th event	more
V0519	Event 4 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0520	Event 5 -impact Location	8	No 5th event	more
V0521	Event 5 -Impact Configuration	88	No 5th event	more
V0522	Event 5 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0523	Event 6 -impact Location	8	No 6th event	more
V0524	Event 6 -Impact Configuration	88	No 6th event	more
V0525	Event 6 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0526	Event 7 -impact Location	8	No 7th event	more

V0527	Event 7 -Impact Configuration	88	No 7th event	more
V0528	Event 7 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0529	Primary CDC Case Vehicle - event Number	1	Event 1	more
V0530	Primary CDC Case Vehicle - Impact Speed (kph)	999	Unknown	more
V0531	Primary CDC Case Vehicle- estimatr	1	Investigator	more
V0532	Primary CDC Case Vehicle - Crush (CM)	031	Crush measurements in cm	more
V0533	Primary CDC Case Vehicle- clock #1	12	12 o'clock	more
V0534	Primary CDC Case Vehicle- Letter 1 #1	06	F - Front	more
V0535	Primary CDC Case Vehicle- Letter 2 #1	04	D - Distributed (Side or End)	more
V0536	Primary CDC Case Vehicle- Letter 3 #1	05	E - Everything below belt line	more
V0537	Primary CDC Case Vehicle- Letter 4 #1	23	W - Wide impact area	more
V0538	Primary CDC Case Vehicle - Extent #1	2	—	—
V0539	Primary CDC - Contacted Vehicles Assoc CDC - CDC #1	12FDEW2	—	—
V0540	Primary CDC Case Vehicle- clock #2	98	Not Applicable	more
V0541	Primary CDC Case Vehicle- Letter 1 #2	00	Missing Data/Not applicable	more
V0542	Primary CDC Case Vehicle- Letter 2 #2	00	Missing Data/Not applicable	more
V0543	Primary CDC Case Vehicle- Letter 3 #2	00	Missing Data/Not applicable	more
V0544	Primary CDC Case Vehicle- Letter 4 #2	00	Missing Data/Not applicable	more
V0545	Primary CDC Case Vehicle - Extent #2	0	—	—
V0546	Primary CDC - Case Vehicle Assoc CDC - CDC #2	9800000	—	—
V0547	Primary CDC Contacted Vehicle - Impact Speed (kph)	999	Unknown	more

V0548	Primary CDC Contacted Vehicle-estimator	1	Investigator	more
V0549	Primary CDC Contacted Vehicle - Crush (CM)	028	Crush measurements in cm	more
V0550	Primary CDC Contacted Vehicle-clock #1	09	9 o'clock	more
V0551	Primary CDC Contacted Vehicle-Letter 1 #1	12	L - Left Side	more
V0552	Primary CDC Contacted Vehicle-Letter 2 #1	25	Y - Side or end (F + P or L + C)	more
V0553	Primary CDC Contacted Vehicle-Letter 3 #1	05	E - Everything below belt line	more
V0554	Primary CDC Contacted Vehicle-Letter 4 #1	23	W - Wide impact area	more
V0555	Primary CDC Contacted Vehicle - Extent #1	3	—	—
V0556	primary CDC - Contacted Vehicles Assoc CDC - CDC #1	09LYEW3	—	—
V0557	Primary CDC Contacted Vehicle-clock #2	98	Not Applicable	more
V0558	Primary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	more
V0559	Primary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	more
V0560	Primary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	more
V0561	Primary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	more
V0562	Primary CDC Contacted Vehicle - Extent #2	0	—	—
V0563	Primary CDC - Contacted Vehicles Assoc CDC - CDC #2	9800000	—	—
V0564	Secondary CDC Case Vehicle-event No	2	Event 2	more
V0565	Secondary CDC Case Vehicle - Impact Speed (kph)	999	Unknown	more
V0566	Secondary CDC Case Vehicle-estimator	1	Investigator	more
V0567	Secondary CDC Case Vehicle - Crush (CM)	007	Crush measurements in cm	more
V0568	Secondary CDC Case Vehicle-clock #1	03	3 o'clock	more

V0569	Secondary CDC Case Vehicle-Letter 1 #1	18	R - Right Side	more
V0570	Secondary CDC Case Vehicle-Letter 2 #1	16	P - Side Center Section (Left or Right)	more
V0571	Secondary CDC Case Vehicle-Letter 3 #1	05	E - Everything below belt line	more
V0572	Secondary CDC Case Vehicle-Letter 4 #1	23	W - Wide impact area	more
V0573	SECONDARY CDC CASE VEHICLE - EXTENT #1	1	—	—
V0574	Secondary CDC - Case Vehicle Assoc CDC - CDC #1	03RPEW1	—	—
V0575	Secondary CDC Case Vehicle-clock #2	98	Not Applicable	more
V0576	Secondary CDC Case Vehicle-Letter 1 #2	00	Missing Data/Not applicable	more
V0577	Secondary CDC Case Vehicle-Letter 2 #2	00	Missing Data/Not applicable	more
V0578	Secondary CDC Case Vehicle-Letter 3 #2	00	Missing Data/Not applicable	more
V0579	Secondary CDC Case Vehicle-Letter 4 #2	00	Missing Data/Not applicable	more
V0580	SECONDARY CDC CASE VEHICLE - EXTENT #2	0	—	—
V0581	Secondary CDC - Case Vehicle Assoc CDC - CDC #2	9800000	—	—
V0582	Secondary CDC Contacted Vehicle - Impact Speed (kph)	999	Unknown	more
V0583	Secondary CDC Contacted Vehicle-estimator	1	Investigator	more
V0584	Secondary CDC Contacted Vehicle - Crush (CM)	001	Crush measurements in cm	more
V0585	Secondary CDC Contacted Vehicle-clock #1	09	9 o'clock	more
V0586	Secondary CDC Contacted Vehicle-Letter 1 #1	12	L - Left Side	more
V0587	Secondary CDC Contacted Vehicle-Letter 2 #1	02	B - Rear of cab to rear of trailer or cargo area	more
V0588	Secondary CDC Contacted Vehicle-Letter 3 #1	05	E - Belt line amd below	more
V0589	Secondary CDC Contacted Vehicle-Letter 4 #1	23	W - Wide impact area	more

V0590	Secondary CDC Contacted Vehicle - Extent #1	1	—	—
V0591	Secondary CDC - Contacted Vehicle Assoc CDC - CDC #1	09LBEW1	—	—
V0592	Secondary CDC Contacted Vehicle-clock #2	98	Not Applicable	more
V0593	Secondary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	more
V0594	Secondary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	more
V0595	Secondary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	more
V0596	Secondary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	more
V0597	Secondary CDC Contacted Vehicle - Extent #2	0	—	—
V0598	Secondary CDC - Contacted Vehicle Assoc CDC - CDC #2	9800000	—	—

Crash Reconstruction

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0601	Primary Delta-V Case Vehicle-event #	1	Event number 1	more
V0602	Primary Delta V Case Vehicle - Total Delta V	033 kph	kph	more
V0603	Primary delta-V Case Vehicle -LONGITUD	-033	—	—
V0604	Primary delta-V Case Vehicle-Lateral	0000	—	—
V0605	Primary Delta V Case Vehicle - Energy Dissipated by Crush (k	0045	—	—
V0606	Primary Delta-V Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	more
V0607	Primary Delta-V Case Vehicle- Mode	2	CDC & detailed damage	more
V0608	Primary Delta V Contacted Vehicle - Total Delta V	026 kph	kph	more
V0609	Primary delta-V Contacted	-005	—	—

	Vehicle-LONGITUD			
V0610	Primary delta-V Contacted Vehicle-Lateral	0026	—	—
V0611	Primary delta-V Contacted Vehicle - Energy Dissipated by Cru	0052	—	—
V0612	Secondary Delta-V Case Vehicle-event #	2	Event number 2	more
V0613	Secondary Delta V Case Vehicle - Total Delta V	999	Unknown	more
V0614	Secondarydelta-V Case Vehicle -LONGITUD	9999	—	—
V0615	Secondary delta-V Case Vehicle-Lateral	9999	—	—
V0616	Secondary delta-V Case Vehicle - Energy Dissipated by Crush	9999	—	—
V0617	Secondary Delta-V Case Vehicle-Reconstruction	02	Insufficient data	more
V0618	Secondary Delta-V Case Vehicle- Mode	5	Not reconstructed	more
V0619	Secondary Delta V Contacted Vehicle - Total Delta V	999	Unknown	more
V0620	Secondary delta-V Contacted Vehicle-LONGITUD	9999	—	—
V0621	Secondary delta-V Contacted Vehicle-Lateral	9999	—	—
V0622	Secondary delta-V Contacted Vehicle - Energy Dissipated By C	9999	—	—
V0623	Primary EBS Case Vehicle-event #	1	Event number 1	more
V0624	Primary EBS Case Vehicle - Total EBS	033 kph	kph	more
V0625	Primary EBS Case Vehicle - LONGITUD	-033	—	—
V0626	Primary EBS Case Vehicle-Lateral	0000	—	—
V0627	Primary EBS Case Vehicle - Energy Dissipated by Crush (kj)	0045	—	—
V0628	Primary EBS Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	more
	Primary EBS Case Vehicle-			

V0629	Mode	2	CDC & detailed damage	more
V0630	Primary EBS Contacted Vehicle - Total EBS	026 kph	kph	more
V0631	Primary EBS Contacted Vehicle-LONGITUD	-005	—	—
V0632	Primary EBS Contacted Vehicle-Lateral	0026	—	—
V0633	Primary EBS Contact Vehicle - Energy Dissipated by Crush (kj)	0052	—	—
V0634	Secondary EBS Case Vehicle-event #	2	Event number 2	more
V0635	Secondary EBS Case Vehicle - Total EBS	999	Unknown	more
V0636	Secondary EBS Case Vehicle -LONGITUD	9999	—	—
V0637	Secondary EBS Case Vehicle-Lateral	9999	—	—
V0638	Secondary EBS Case Vehicle - Energy Dissipated by Crush (kj)	9999	—	—
V0639	Secondary EBS Case Vehicle-Reconstruction	02	Insufficient data	more
V0640	Secondary EBS Case Vehicle- Mode	5	Not reconstructed	more
V0641	Secondary EBS Contacted Vehicle - Total EBS	999	Unknown	more
V0642	Secondary EBS Contacted Vehicle-LONGITUD	9999	—	—
V0643	Secondary EBS Contacted Vehicle-Lateral	9999	—	—
V0644	Secondary EBS Contact Vehicle - Energy Dissipated by Crush (9999	—	—
V0645	Specific Event # Case(1)	2	Event number 2	more
V0646	Plane of Impact Case Vehicle (1)	4	Above sill	more
V0647	Direct Damage Length (DDL) - Case Vehicle (1)	100 cm	cm	more
V0648	Direct Damage Maximum Crush - Case Vehicle (1)	007 cm	cm	more
V0649	Direct and Induced Damage Length in CM	999	Unknown	more

V0650	Field C1 - Case Vehicle (1)	999	Unknown	more
V0651	Field C2 - Case Vehicle (1)	999	Unknown	more
V0652	Field C3 - Case Vehicle (1)	999	Unknown	more
V0653	Field C4 - Case Vehicle (1)	999	Unknown	more
V0654	Field C5 - Case Vehicle (1)	999	Unknown	more
V0655	Field C6 - Case Vehicle (1)	999	Unknown	more
V0656	Direct Damage D Value = The Center of Direct Damage Offset t	+999 cm	Offset (cm)	more
V0657	Specific Event # Case(2)	2	Event number 2	more
V0658	Plane of Impact Case Vehicle (2)	4	Above sill	more
V0659	Direct Damage Length (DDL) - Case Vehicle (2)	100 cm	cm	more
V0660	Direct Damage MaximumCrush - Case Vehicle (2)	007 cm	cm	more
V0661	Direct and Induced Damage Length in CM	999	Unknown	more
V0662	Field C1 - Case Vehicle (2)	999	Unknown	more
V0663	Field C2 - Case Vehicle (2)	999	Unknown	more
V0664	Field C3 - Case Vehicle (2)	999	Unknown	more
V0665	Field C4 - Case Vehicle (2)	999	Unknown	more
V0666	Field C5 - Case Vehicle (2)	999	Unknown	more
V0667	Field C6 - Case Vehicle (2)	999	Unknown	more
V0668	Direct Damage D Value = The Center of Direct Damage Offset t	+999 cm	cm	more
V0669	Specific Event # Cont(1)	2	Event number 2	more
V0670	Plane of Impact Contacted Vehicle(1)	4	Above sill	more
V0671	Direct Damage Length (DDL) - Contacted Vehicle (1)	077 cm	cm	more
V0672	Direct Damage Maximum Crush - Contacted Vehicle (1)	001 cm	cm	more
V0673	Field L - Contacted Vehicle (1)	999	Unknown	more
V0674	Field C1 - Contacted Vehicle (1)	999	Unknown	more
	Field C2 - Contacted Vehicle			

V0675	(1)	999	Unknown	more
V0676	Field C3 - Contacted Vehicle (1)	999	Unknown	more
V0677	Field C4 - Contacted Vehicle (1)	999	Unknown	more
V0678	Field C5 - Contacted Vehicle (1)	999	Unknown	more
V0679	Field C6 - Contacted Vehicle (1)	999	Unknown	more
V0680	Direct Damage D Value = The Center of Direct Damage Offset t	+999 cm	offset (cm)	more
V0681	Specific Event # Contacted Vehicle (2)	2	Event number	more
V0682	Plane of Impact Contacted Vehicle(2)	4	Above sill	more
V0683	Direct Damage Length (DDL) - Contacted Vehicle (2)	077 cm	cm	more
V0684	Direct Damage Maximum Crush - Contacted Vehicle (2)	001 cm	cm	more
V0685	Direct and Induced Damage Length in CM	999	Unknown	more
V0686	Field C1 - Contacted Vehicle (2)	999	Unknown	more
V0687	Field C2 - Contacted Vehicle (2)	999	Unknown	more
V0688	Field C3 - Contacted Vehicle (2)	999	Unknown	more
V0689	Field C4 - Contacted Vehicle (2)	999	Unknown	more
V0690	Field C5 - Contacted Vehicle (2)	999	Unknown	more
V0691	Field C6 - Contacted Vehicle (2)	999	Unknown	more
V0692	Direct Damage D Value = The Center of Direct Damage Offset t	+999 cm	Offset (cm)	more

Case Vehicle Tires & Rims

[Back to Top](#)

Variable	Variable Name	Code	Code Description	Other
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Number		Value		Options
V0701	Left Front Wheel Damaged	1	Yes	more
V0702	Right Front Wheel Damaged	0	No	more
V0703	Right Rear Wheel Damaged	0	No	more
V0704	Left Rear Wheel Damaged	0	No	more
V0705	Left Front Tire Tread Type	4	All Weather	more
V0706	Right Front Tire Tread Type	4	All Weather	more
V0707	Right Rear Tire Tread Type	4	All Weather	more
V0708	Left Rear Tire Tread Type	4	All Weather	more
V0709	Left Front Carcass Construction	3	Radial	more
V0710	Right Front Carcass Construction	3	Radial	more
V0711	Right Rear Carcass Construction	3	Radial	more
V0712	Left Rear Carcass Construction	3	Radial	more
V0713	Left Front Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0714	Right Front Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0715	Right Rear Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0716	Left Rear Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0717	Left Front Tire Condition Postcrash	0	Normal - no damage to tire	more
V0718	Right Front Tire Condition Postcrash	0	Normal - no damage to tire	more
V0719	Right Rear Tire Condition Postcrash	0	Normal - no damage to tire	more
V0720	Left Rear Tire Condition Postcrash	0	Normal - no damage to tire	more
V0721	Left Front Tire Involvement	0	No	more
V0722	Right Front Tire Involvement	0	No	more
V0723	Right Rear Tire Involvement	0	No	more
V0724	Left Rear Tire Involvement	0	No	more
V0725	Left Front Tire Size	P18565R14	—	—
V0726	Right Front Tire Size	P18565R14	—	—
V0727	Right Rear Tire Size	P18565R14	—	—

V0728	Left Rear Tire Size	P18565R14	—	—
V0729	Left Front Tire Pressure (recorded in psi)	30.5 psi	Actual tire pressure in psi	more
V0730	Right Front Tire Pressure (recorded in psi)	32.0 psi	Actual tire pressure in psi	more
V0731	Right Rear Tire Pressure (recorded in psi)	33.0 psi	Actual tire pressure in psi	more
V0732	Left Rear Tire Pressure (recorded in psi)	30.5 psi	Actual tire pressure in psi	more
V0733	Left Front Tread Depth	06	06/32"	more
V0734	Right Front Tread Depth	07	07/32"	more
V0735	Right Rear Tread Depth	07	07/32"	more
V0736	Left Rear Tread Depth	06	06/32"	more

Case Vehicle Fuel Tank

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0801	Propulsive Fuel Type	1	Gasoline	more
V0802	Main Tank Location	322	Within frame/centered laterally - within vertica	more
V0803	Main Filler Cap Location	113	Left of frame laterally - above vertically	more
V0804	Main Tank Material	9	Unknown	more
V0805	Aux Tank Type	8	Not applicable (not equipped)	more
V0806	Aux Tank Location	888	Not applicable (not equipped)	more
V0807	Aux Filler Cap Location	888	Not applicable (not equipped)	more
V0808	Aux Tank Material	8	Not applicable	more

Case Vehicle Fuel Leakage

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0901	Fuel Leakage From Crash	0	No	more

Case Vehicle Fire

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1001	Fire In Or On Case Vehicle	0	No	more

Case Vehicle Exterior

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1101	Hood Latch Released	0	No	more
V1102	Hood Latch Damaged	1	Yes	more
V1103	Hood Latch Jammed	1	Yes	more
V1104	Left Hood Hinge Damaged	1	Yes	more
V1105	Left Hood Hinge Separated	0	No	more
V1106	Right Hood Hinge Damaged	1	Yes	more
V1107	Right Hood Hinge Separated	0	No	more
V1108	Hood Remained On Vehicle	1	Yes	more
V1109	Rear Hood Edge Elevated	1	Yes	more
V1110	Edge Contacted Windshield	0	No	more
V1111	Edge Penetrated Windshield	8	Not applicable	more
V1112	Hood Latch Location	1	Front of Vehicle	more
V1113	Eng/transmissn Mount Separated	0	No	more
V1114	Steering Column Flex Couplng	9	Unknown if equipped	more
V1115	Steering Column Coupling Dam	9	Unknown	more
V1116	Steering Column Coupling Separated	9	Unknown	more
V1117	Eng Comp Telescopng Unit	88	Not currently collected	more
V1118	Compartment Unit's Original/telescoped Length Difference	888	Not currently collected	more
V1119	Left Side Body Mount Separated	8	Not applicable (unitized)	more
V1120	Upper Left A-pillar Sep	0	No	more
V1121	Lower Left A-pillar Sep	4	No separation, but damaged	more
V1122	Upper Left B-pillar Sep	0	No	more
V1123	Lower Left B-pillar Sep	0	No	more
V1124	Upper Left C-pillar Sep	0	No	more
V1125	Lower Left C-pillar Sep	0	No	more
V1126	Upper Left D-pillar Sep	8	Not applicable (not equipped)	more
V1127	Lower Left D-pillar Sep	8	Not applicable (not equipped)	more
V1128	Left Front Door Opening	00	Door did not open	more

	Cause			
V1129	Left Rear Door Opening Cause	00	Door did not open	more
V1130	Left Front Door Jammed Closed	0	No	more
V1131	Left Rear Door Jammed Closed	0	No	more
V1132	Van Left Rear Door Type	8	Not applicable (not a van)	more
V1133	Left Front Glazing Availability	2	Closed	more
V1134	Left Rear Glazing Availability	1	Fixed	more
V1135	Lr2 Glazing Availability	1	Fixed	more
V1136	Left Front Glazing Damage	0	No damage	more
V1137	Left Rear Glazing Damage	0	No damage	more
V1138	Lr2 Glazing Damage	0	No damage	more
V1139	Rear Door Type	0	No door (includes pickups)	more
V1140	Rear Door Opening Cause	8	Not applicable (no rear door)	more
V1141	Rear Door Jammed Closed	8	Not applicable (no rear door)	more
V1142	Rear Glazing Availability	8	Not Applicable (No Door)	more
V1143	Rear Glazing Damage	8	Not Applicable (No Door)	more
V1144	Luggage Partition Damaged	0	No	more
V1145	Spare Tire Status	8	Not collected	more
V1146	Trailer Hitch Type	0	No hitch	more
V1147	Trailer Type	0	No trailer	more
V1148	Rght Side Body Mount Separated	8	Not applicable (unitized)	more
V1149	Upper Right A-pillar Separated	0	No	more
V1150	Lower Right A-pillar Separated	0	No	more
V1151	Upper Right B-pillar Separated	0	No	more
V1152	Lower Right B-pillar Separated	0	No	more
V1153	Upper Right C-pillar Separated	0	No	more
V1154	Lower Right C-pillar Separated	0	No	more
V1155	Upper Right D-pillar Separated	8	Not applicable (not equipped)	more

V1156	Lower Right D-pillar Separated	8	Not applicable (not equipped)	more
V1157	Right Front Door Opening Cause	00	Door did not open	more
V1158	Right Rear Door Opening Cause	00	Door did not open	more
V1159	Right Front Door Jammed Closed	0	No	more
V1160	Right Rear Door Jammed Closed	0	No	more
V1161	Van Right-rear Door Type	8	Not applicable (not a van)	more
V1162	Right Front Glazing Availability	2	Closed	more
V1163	Right Rear Glazing Availability	1	Fixed	more
V1164	Rr2 Glazing Availability	1	Fixed	more
V1165	Right Front Glazing Damage	0	No damage	more
V1166	Right Rear Glazing Damage	0	No damage	more
V1167	Rr2 Glazing Damage	0	No damage	more
V1168	Windshield Cracked	1	Yes	more
V1169	Windshield Broken	0	No Click for Windshield Damage figure	more
V1170	Occupant Cracked/Broke Wndshld	0	No	more
V1171	Bond Separation Extent	0	None	more
V1172	Windshield Code	97	Click for Windshield Mark figure	more
V1173	Did Sun Roof/T-Roof Open	8	Not Applicable	more

Case Vehicle Steering Column/Rim

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1201	Steering Wheel Rim Damage	0	None	more
V1202	Number of Steering Wheel Spokes	4	4 spokes	more
V1203	Steering Wheel Spoke Damage	0	None	more
V1204	Steering Wheel Hub Damage	0	None	more
V1205	Steering Wheel Location of Rim Damage	0	No damage	more
V1206	Aftermarket Add-on Device	0	None	more

V1207	Column Tilt Feature	1	Yes, equipped	more
V1208	Column Swing-away Feature	0	Not equipped	more
V1209	Column Telescoping Feature	0	Not equipped	more
V1210	Wheel Energy Absorb Device	8	Not currently collected	more
V1211	Wheel EA Device's original/damage Dimension Difference	888	Not collected	more
V1212	Column Energy Absorb Device	88	Not collected	more
V1213	Col EA Device's Orig/compressed (or Extruded) Length Diff	888	Not collected	more
V1214	Shear Capsule Separation	888	Not collected	more
V1215	Column Vertical Rotation	0	No apparent rotation	more
V1216	Column Lateral Rotation	0	No apparent rotation	more

Case Vehicle Intrusion

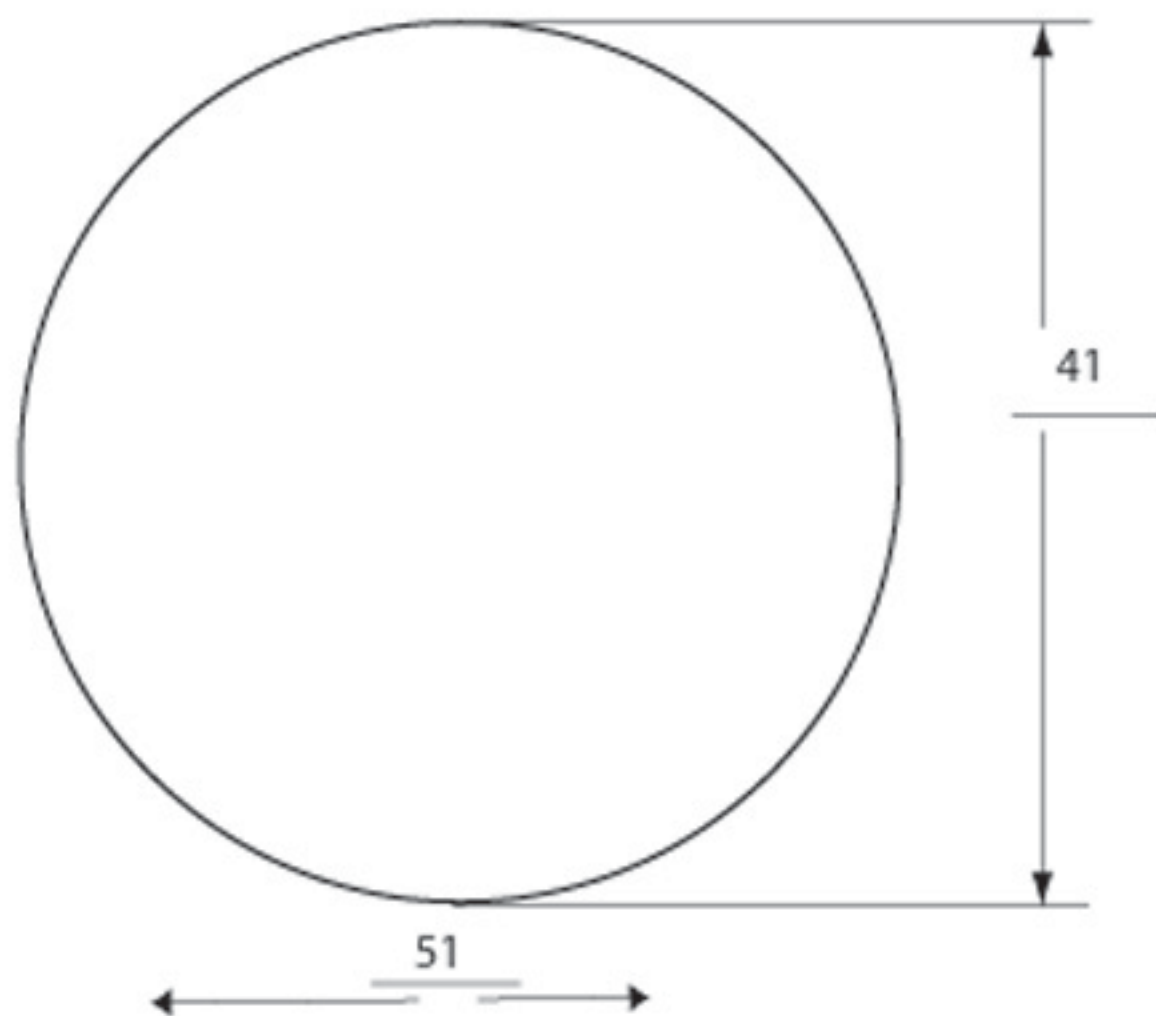
[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1301	Was Occupant Compartment Intruded	1	Yes Click for Intrusion Worksheet figure Click for Intrusion figure	more
V1302	Was Intrusn Catastrophic	0	No	more
V1303	Intrusion Number #1	01	Intrusion #1	more
V1304	Occupant Space Number(1)	11	First row, Left seat	more
V1305	Intrud Component/obj (1)	03	Toe pan	more
V1306	Associate Event Numb (1)	1	Event #1	more
V1307	Maximum Intrusion X Axis	14 cm	Intrusion (cm)	more
V1308	Maximum Intrusion Y Axis	00 cm	0 cm or No Intrusion	more
V1309	Maximum Intrusion Z Axis	00 cm	0 cm or No Intrusion	more
V1310	Occupant Number #1 (1)	01	Occupant number 1, contact	more
V1311	Injury Number #1 (1)	08	Injury #8	more
V1312	Occupant Number #2 (1)	00	No contact or no intrusion	more
V1313	Injury Number #2 (1)	00	No injury or no intrusion	more
V1314	Intrusion Number #2	02	Intrusion #2	more
V1315	Occupant Space Number(2)	13	First row, Right seat	more
V1316	Intrud Component/obj (2)	03	Toe pan	more
V1317	Associate Event Numb (2)	1	Event #1	more
V1318	Maximum Intrusion X Axis	05 cm	Intrusion (cm)	more
V1319	Maximum Intrusion Y Axis	00 cm	0 cm or No Intrusion	more

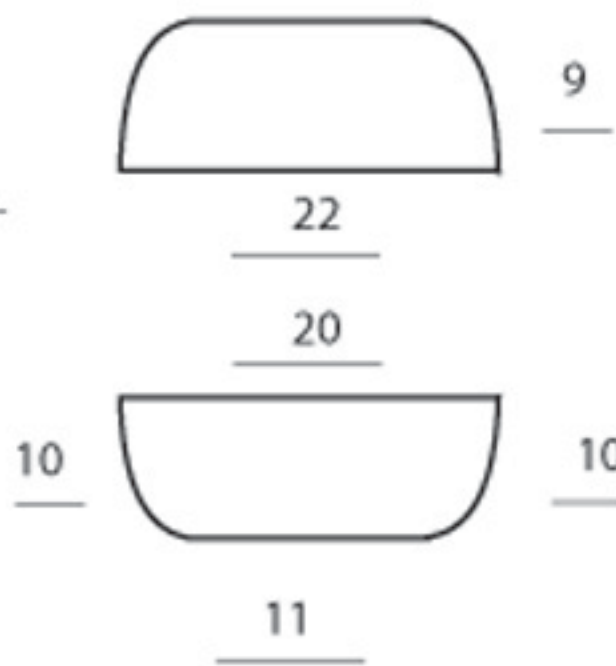
V1320	Maximum Intrusion Z Axis	00 cm	0 cm or No Intrusion	more
V1321	Occupant Number #1 (2)	00	No contact or no intrusion	more
V1322	Injury Number #1 (2)	00	No injury or no intrusion	more
V1323	Occupant Number #2 (2)	00	No contact or no intrusion	more
V1324	Injury Number #2 (2)	00	No injury or no intrusion	more
V1325	Intrusion Number #3	99	Unknown or data not collected	more
V1326	Occupant Space Number(3)	99	Unknown or data not collected	more
V1327	Intrud Compnent/obj (3)	99	Unknown or data not collected	more
V1328	Associate Event Numb (3)	9	Unknown or data not collected	more
V1329	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1330	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1331	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1332	Occupant Number #1 (3)	99	Unknown or data not collected	more
V1333	Injury Number #1 (3)	99	Contact, injury unknown or data not collected	more
V1334	Occupant Number #2 (3)	99	Unknown or data not collected	more
V1335	Injury Number #2 (3)	99	Contact, injury unknown or data not collected	more
V1336	Intrusion Number #4	99	Unknown or data not collected	more
V1337	Occupant Space Number(4)	99	Unknown or data not collected	more
V1338	Intrud Component/obj (4)	99	Unknown or data not collected	more
V1339	Associate Event Numb (4)	9	Unknown or data not collected	more
V1340	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1341	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1342	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1343	Occupant Number #1 (4)	99	Unknown or data not collected	more
V1344	Injury Number #1 (4)	99	Contact, injury unknown or data not collected	more
V1345	Occupant Number #2 (4)	99	Unknown or data not collected	more
V1346	Injury Number #2 (4)	99	Contact, injury unknown or data not collected	more
V1347	Intrusion Number #5	99	Unknown or data not collected	more
V1348	Occupant Space Number(5)	99	Unknown or data not collected	more
V1349	Intrud Component/obj (5)	99	Unknown or data not collected	more
V1350	Associate Event Numb (5)	9	Unknown or data not collected	more
V1351	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1352	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1353	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1354	Occupant Number #1 (5)	99	Unknown or data not collected	more

V1355	Injury Number #1 (5)	99	Contact, injury unknown or data not collected	more
V1356	Occupant Number #2 (5)	99	Unknown or data not collected	more
V1357	Injury Number #2 (5)	99	Contact, injury unknown or data not collected	more
V1358	Intrusion Number #6	99	Unknown or data not collected	more
V1359	Occupant Space Number(6)	99	Unknown or data not collected	more
V1360	Intrud Component/obj (6)	99	Unknown or data not collected	more
V1361	Associate Event Numb (6)	9	Unknown or data not collected	more
V1362	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1363	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1364	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1365	Occupant Number #1 (6)	99	Unknown or data not collected	more
V1366	Injury Number #1 (6)	99	Contact, injury unknown or data not collected	more
V1367	Occupant Number #2 (6)	99	Unknown or data not collected	more
V1368	Injury Number #2 (6)	99	Contact, injury unknown or data not collected	more
V1369	Intrusion Number #7	99	Unknown or data not collected	more

Driver Airbag



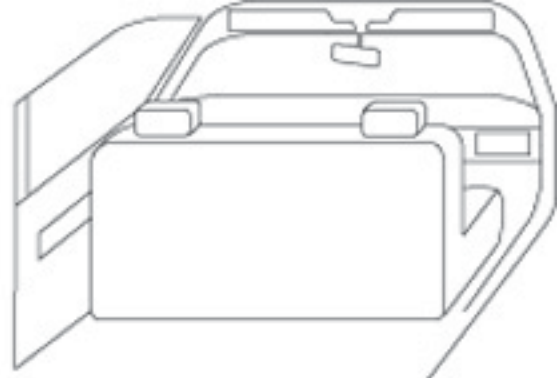
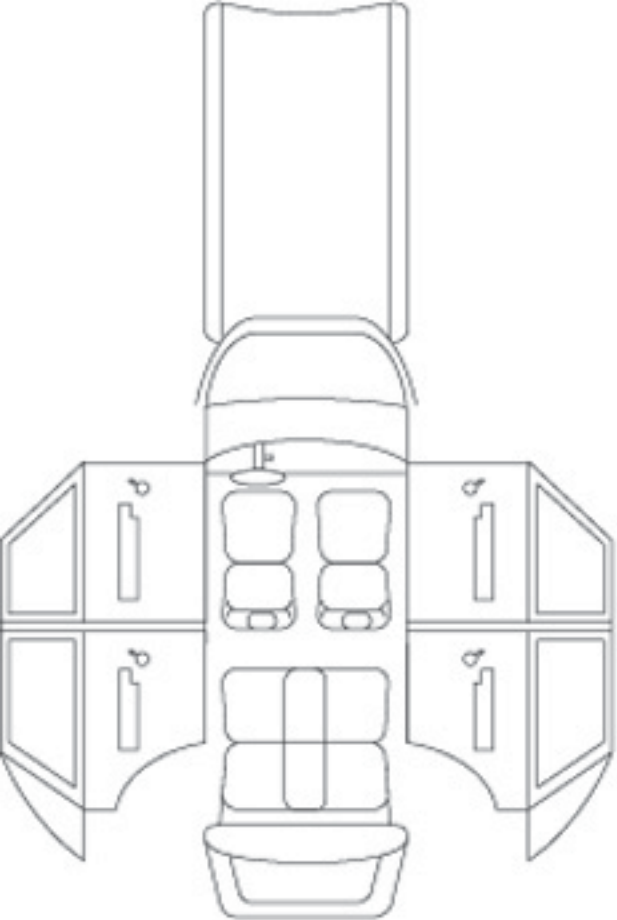
Driver Airbag Doors



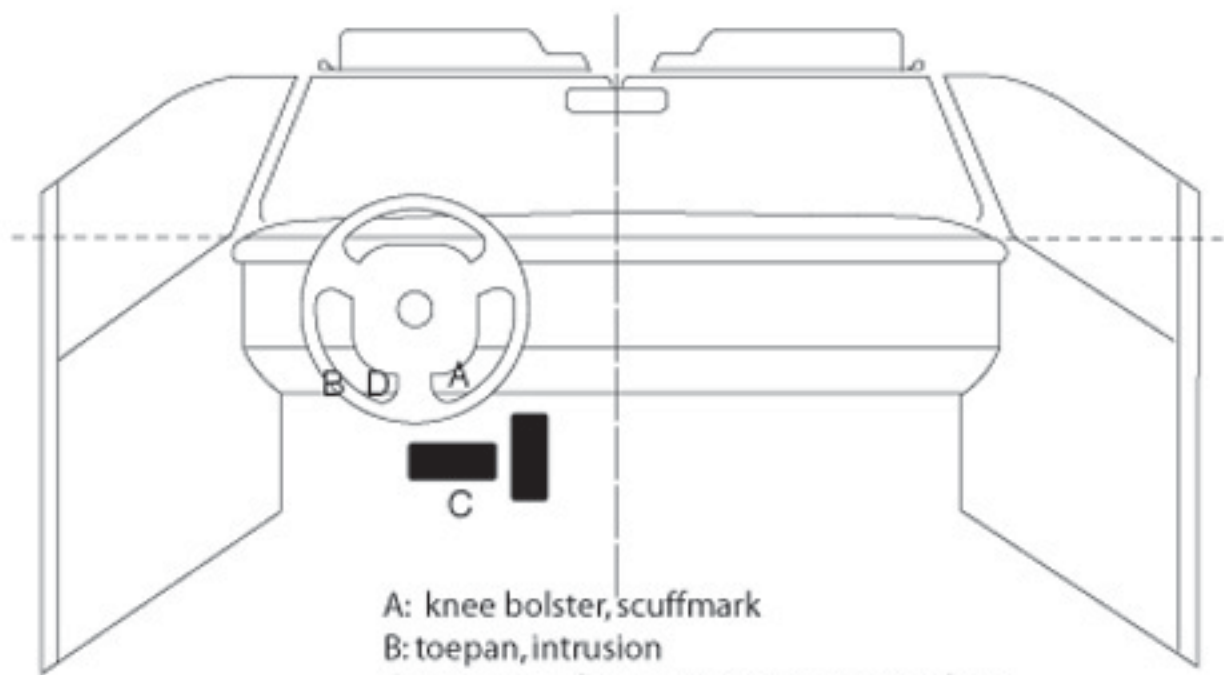
Vents: Y N
if yes, how many: 2

Tethers: Y N
if yes, how many: 2

vents located at 11 and 1 o'clock



evidence of belt use:
yes - d-ring and continuous
loop



- A: knee bolster, scuffmark
B: toepan, intrusion
C: steering column cover near ignition key,
plastic is cracked
D = steering column, scuffmark on left side

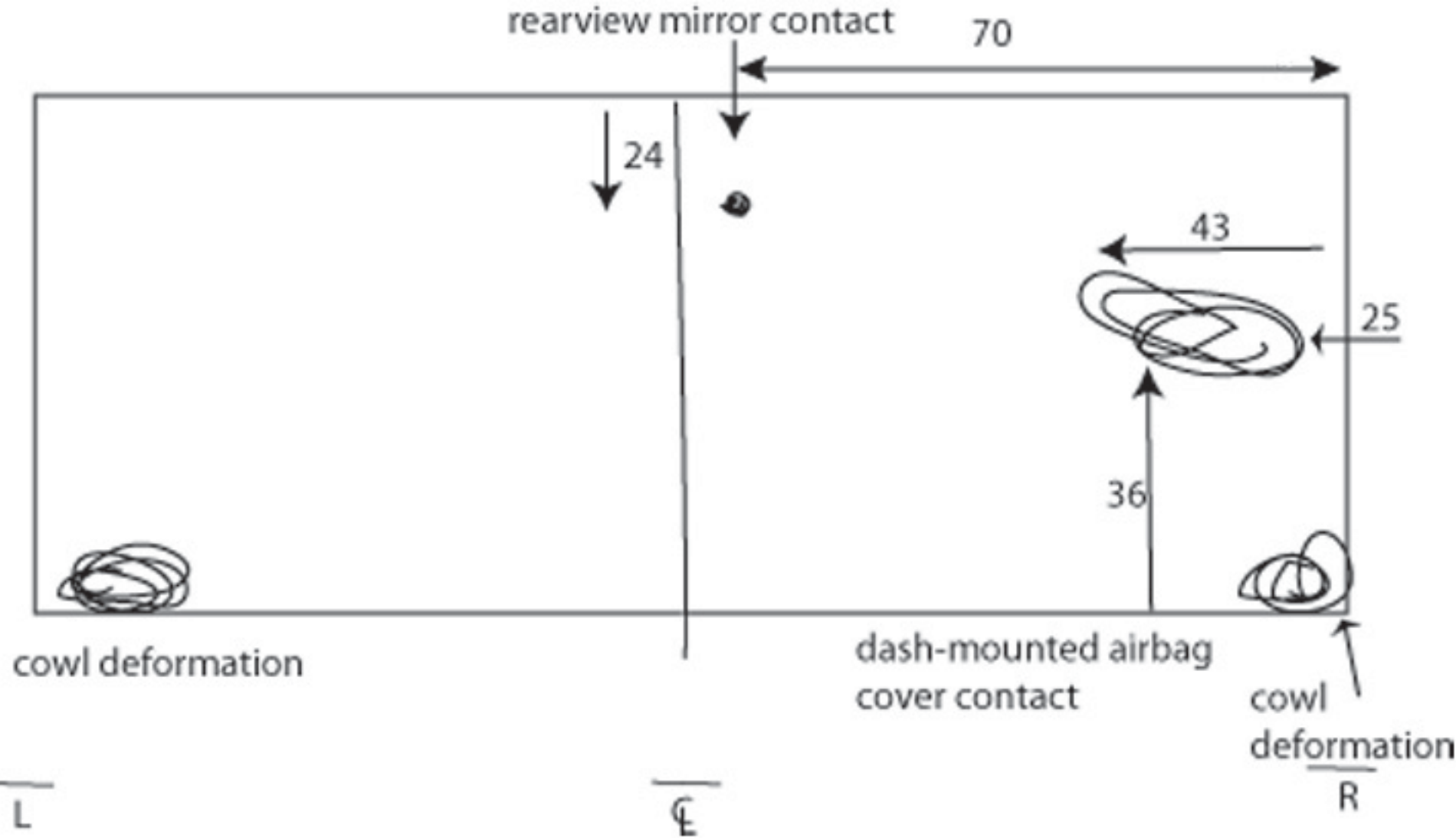
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)					Dominant Crush Direction
		Comparison Value	–	Intruded Value	=	Intrusion	
11	Toe pan	64	–	50	=	14	To rear
13	Toe pan	64	–	59	=	5	To rear
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Knee bolster	1	Left knee	Scuffmark	1
B	Toe pan	1	Foot	Intrusion	1
C	Steering column cover near ignition	1	Right knee	Plastic is cracked	1
D	Steering column	1	Left knee	Scuff on left side	1
E					
F					
G					
H					



WINDSHIELD MARK ON CASE VEHICLE:

SOLAR TINT



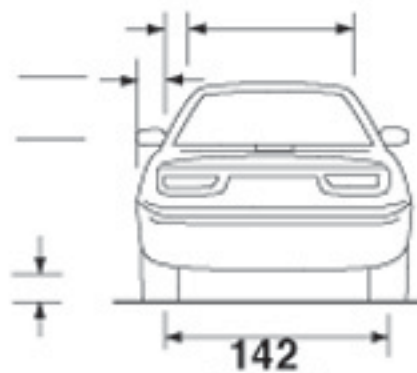
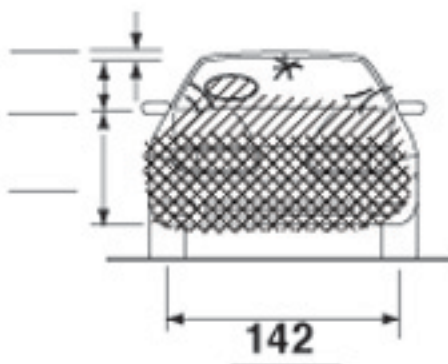
N LAMINATED R

AS1

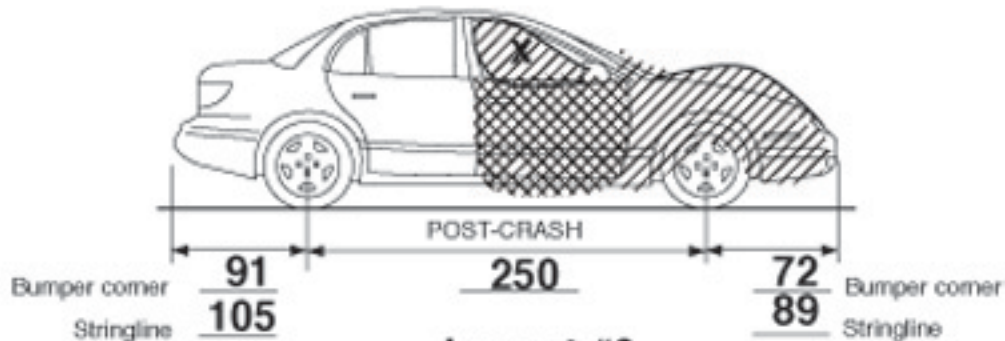
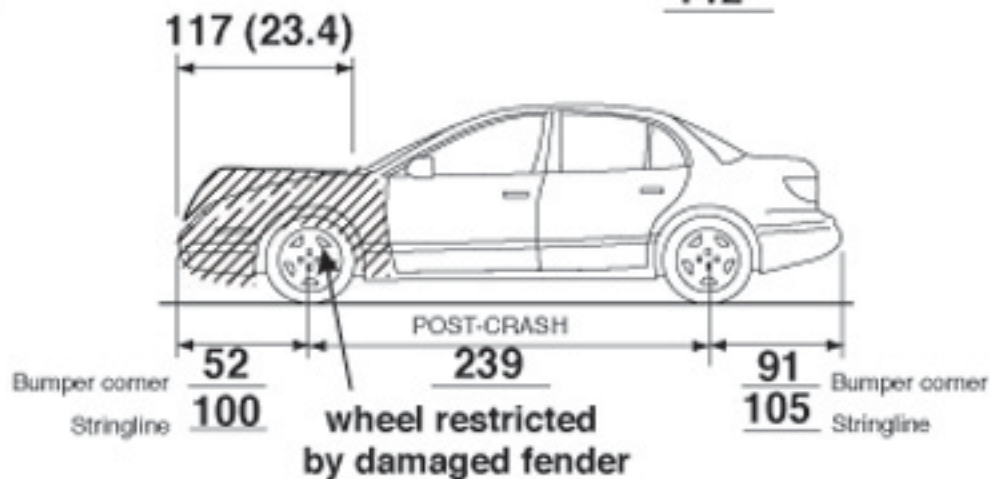
DOT-75 FM-M183

7 1 0

W1238

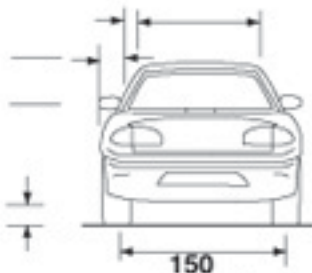
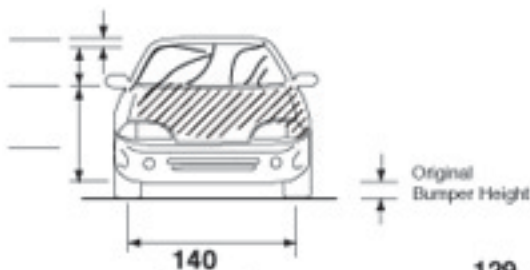


impact #1
144-cm direct damage
31-cm max crush



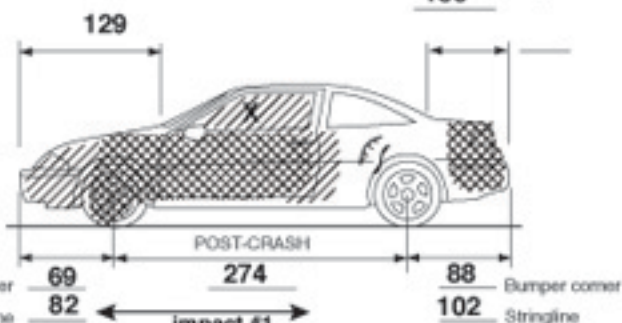
impact #2
100-cm direct damage
7-cm max crush

MEASUREMENTS IN CENTIMETERS

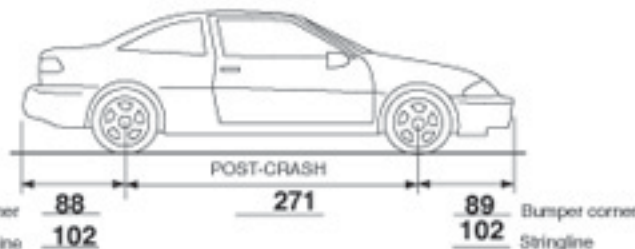


trunk would not close after opening

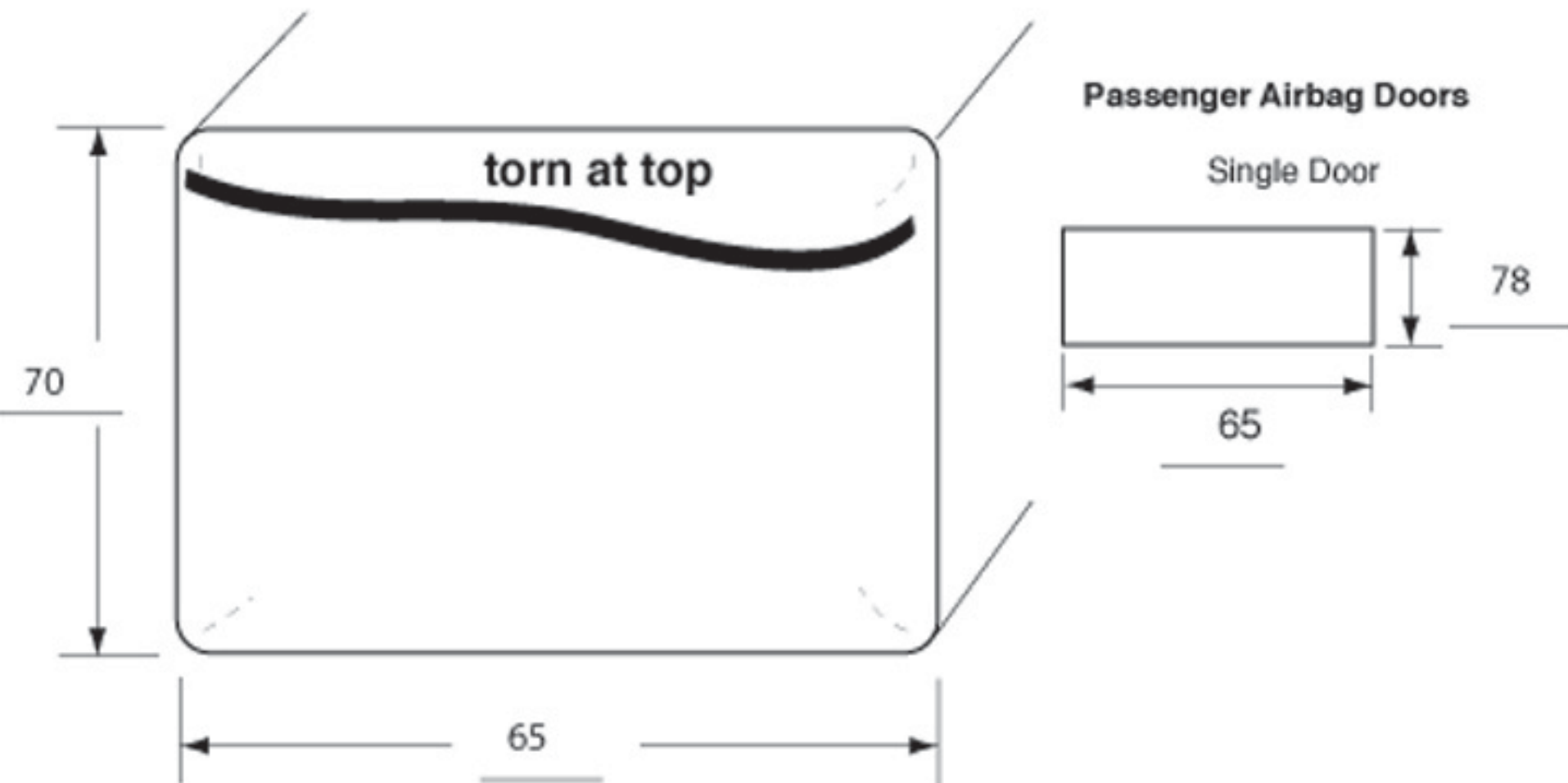
impact #2
77-cm direct damage
1-cm max crush



151-cm direct damage
28-cm max crush



Passenger Airbag



Vents: Y N

If yes, how many: 2

vents at 10 and 2 o'clock

Tethers: Y N

If yes, how many: _____





















BAG
WARNING
VISOR OVER

































COLLISION WRAP Film
Self Adhering

CHRISTMAS TREE
AIR FRESHENER





AIR BAG WARNING

SALE

SALE





Self-Adhering
COLLISION WRAP Film

Self-Adhering

Self-Adhering

100



ESCORT SE





ESCORT SE





Sport





















194

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