

Case 411 : Narrative

Case Vehicle (A): 2002 Toyota	Vehicle (B): 1997 Pontiac
Type: Avalon XLS, 4-door sedan	Type: Grand Prix, 2-door coupe
Driver: 70-year-old female	Driver: 55-year-old male
CDC: 12-FDEW-4	CDC: 12-FDEW-4

This is a fatal crash. The right-front passenger of vehicle (B) died as a result of injuries sustained in this collision.

SITUATION

1 It was daylight and clear and the two-lane north-south asphalt road was dry and free of defects as 2 case vehicle (A) was traveling north at an unknown speed in the northbound lane and 3 vehicle (B) was traveling south at an unknown speed in the southbound lane. Vehicle (X) was parked and unoccupied on the shoulder to the northbound lane. 4 As case vehicle (A) and vehicle (B) approached each other, case vehicle (A) crossed the centerline and entered the southbound lane where the front of case vehicle (A) struck the front of vehicle (B). 5 After the impact, vehicle (B) veered to the left, crossed the northbound lane, and the front struck the left front of vehicle (X). Both vehicles were towed due to damage.

The police accident report indicates A-level injuries for the elderly female driver of case vehicle (A), B-level injuries for the driver of vehicle (B), and K-level injuries for the right-front passenger of vehicle (B) who died at the scene. The driver of case vehicle (A) was transported by ambulance to an area hospital and was subsequently transferred to a level-one trauma center by helicopter where she was hospitalized for four days.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

6 Damage to the front of case vehicle (A) was severe and extended across the entire frontal plane. 7 The maximum crush was 82 cm and occurred at the center of the front bumper.

8 9 10 Damage to the front of vehicle (B) was also severe and extended across the entire frontal plane. The maximum crush was 93 cm and occurred just to the left of the right-front bumper corner. 9 On the right side, the fender, the right-front wheel, and the upper and lower sections of the A-pillar were crushed rearward, and the right wheelbase was reduced by 43 cm. 10 On the left side, the front fender was slightly deformed and the wheelbase was reduced by 3 cm.

Using the WinSMASH crash-reconstruction program and 11 12 crush profiles measured for the front of case vehicle (A) and vehicle (B), the following impact severities were estimated:

		Estimated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	66 (41)	-65 (-41)	-12 (-7)

Vehicle (B)	delta V	66 (41)	-66 (-41)	0 (0)
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DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

[13](#) [14](#) In the front, the bumper, the grille, and the hood were crushed to the rear into the radiator and engine compartment, and [15](#) the bumper cover was torn off. [16](#) The hood was buckled up in the middle, the hood latch was damaged and jammed closed, the left hood hinge was bent to the right, [17](#) the right hood hinge was bent up, and the rear edge of the hood was elevated and it contacted and cracked the windshield.

[18](#) On the left side, the fender and [19](#) the left-front wheel were crushed to the rear and the left wheelbase was reduced by 18 cm. [20](#) There was no other left-side damage, all left-side glazing was intact, and both left-side doors were reportedly closed and operational after the crash, although rescue personnel had removed the driver door to extricate the driver.

[21](#) There was no damage to the rear of the vehicle.

[22](#) On the right side, the fender and the right-front wheel were crushed to the rear into the right-front wheel, [23](#) the right-front tire was flat, and the right-side wheelbase was reduced by 25 cm. [24](#) There was no other right-side damage, both right-side doors were closed and operational, and all of the right-side glazing was intact.

Interior

This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags and [25](#) [26](#) [27](#) both deployed during the frontal impact. This vehicle was also equipped with seatback-mounted side-impact airbags in the front-row seats, which did not deploy. [28](#) [29](#) In the driver area, there was no damage to the steering-wheel airbag or airbag module flaps/covers, [25](#) but there were blood stains on the airbag fabric. [30](#) [31](#) [32](#) The upper and lower portions of the steering-wheel rim and spokes were deflected forward and the steering column was deflected up. [33](#) The upper and mid sections of the driver instrument panel were displaced up and to the rear, [34](#) [35](#) [36](#) the knee bolster to the left of the steering column was dented and scuffed, and [37](#) the bottom of the steering column was scuffed on the right side. [38](#) The gas and brake pedals were deflected to the right and the toe pan and floor pans were buckled and displaced to the rear. [39](#) [40](#) [41](#) [42](#) There was no other damage in the driver area.

[43](#) In the center-front area, the trim on the upper section of the instrument panel was loose and the vertical console was displaced to the rear and to the right. There was no other damage in the center-front area.

[44](#) [45](#) In the right-front seating area, there was no damage to the dash-mounted airbag or to the flap/cover of the airbag module. [46](#) The upper and mid sections of the instrument panel were loose and displaced to the rear, the glove compartment door was open, [47](#) the toe pan was displaced to the rear, and floor pan was buckled up. [48](#) [49](#) There was no other damage in the right-front seating area.

[50](#) [51](#) There was no damage in the rear seating area.

The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
driver	toepan 52 53	30	to rear
	instrument panel 54	5	to rear
center front	instrument panel 55	10	to rear
right front 15		23	to rear
	instrument panel 57	10	to rear

OCCUPANT KINEMATICS AND INJURIES

[58](#) [59](#) The 155-cm, 79-kg (5-ft 1-in, 175-lb) 70-year-old female driver was using the three-point belt, the pretensioner fired, and [60](#) the frontal-impact airbag deployed, but the seatback-mounted side-impact airbag did not deploy. [58](#) Belt use is indicated by [61](#) scuffmarks on the D-ring, [62](#) a webbing imprint on the sliding latch plate, and [58](#) the belt being locked in an extended position.

On impact, the elderly female driver moved forward relative to the vehicle interior, into the belt restraints, airbag, steering wheel, and knee bolster. She sustained contusions to the left side of the neck and to the left hip due to loading by the shoulder and lap belts, respectively. She sustained a laceration to the spleen, probably due to contact with the steering-wheel rim or possibly from loading by the deploying airbag. She sustained a fracture to the transverse process of L1 from an unknown source. She sustained contusions to the medial aspects of both arms and forearms, probably from contact by the deploying airbag. She sustained a laceration to the right knee, probably from contact with the plastic steering-column cover, [37](#) as evidenced by scuffmarks. She sustained open comminuted fractures to the distal aspects of the right tibia and fibula, probably due to loading of the foot during braking/bracing on the brake pedal, or possibly due to contact with the toepan.

The following table and attached drawing [63](#) summarize the injuries for the driver of case vehicle (A).

Occupant: Driver	Age: 70 years	Gender: Female		
Restraints: 3-point belt with pretensioner; steering-wheel airbag	Stature: 155 cm (5 ft, 1 in)	Mass: 79 kg (175 lb)		
Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
—	—			
Contusion, left side of neck	1	Shoulder belt	—	—
Laceration, spleen	2	—	Steering wheel	Airbag
Fracture, transverse process of L1	2	Unknown	—	—
Contusions, medial aspects of both arms and forearms	1	—	Airbag	—
Contusion, left hip	1	Lap belt	—	—
Laceration, right knee	1	—	Steering column	—

Open comminuted fracture, distal aspect of the right tibia	3	—	Brake pedal	Toe pan
Open comminuted fracture, distal aspect of the right fibula	2	—	Brake pedal	Toe pan
Maximum A.I.S. Level	3	—	—	—
Injury Severity Score	14	—	—	—

CASE NO.: 411

CASE VEHICLE: 2002 Toyota

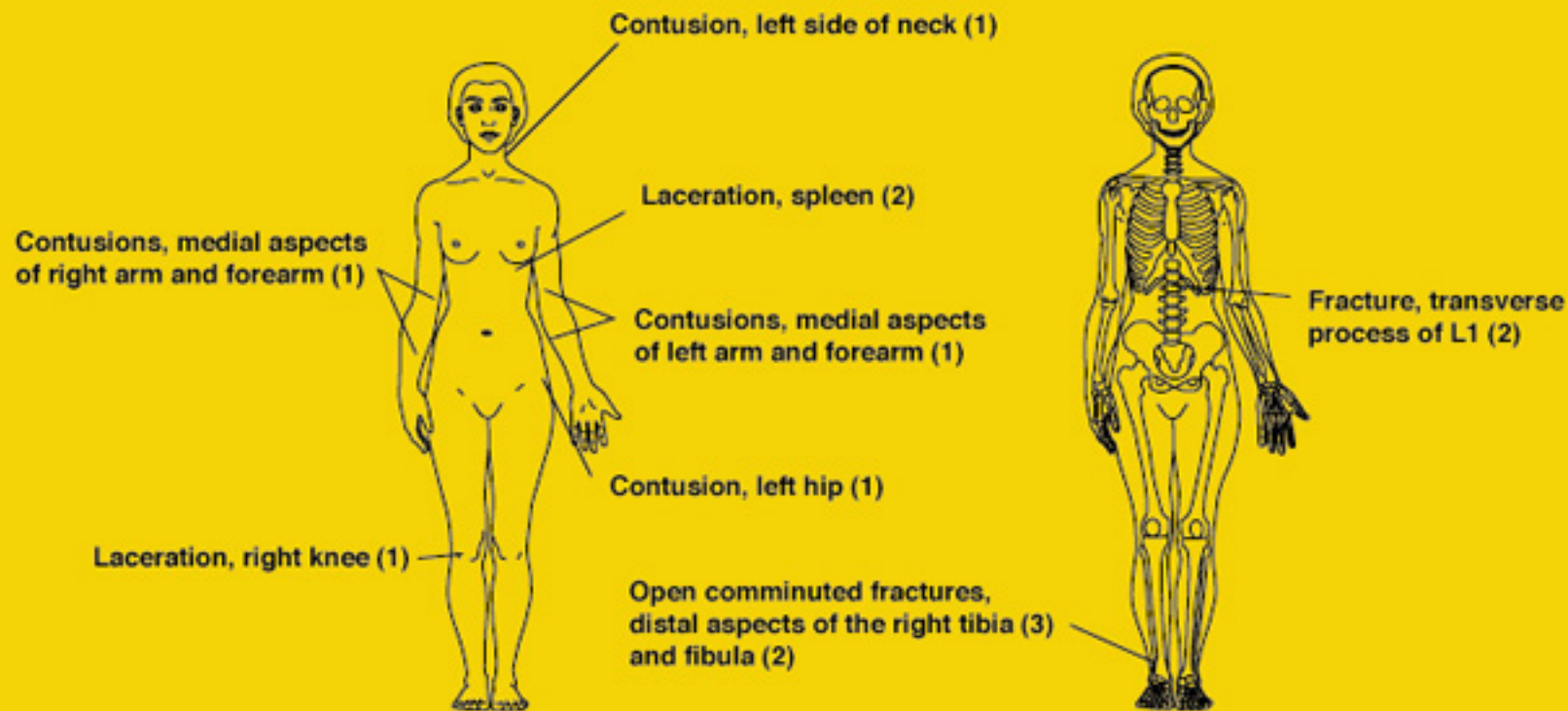
TYPE: Avalon XLS, 4-door sedan

OCCUPANT: Driver: 70-year-old female

STATURE: 155 cm (5 ft, 1 in) MASS: 79 kg (175 lb)

RESTRAINTS: 3-point belt with pretensioner;
steering-wheel airbag

SEVERITY: MAIS - 3 : ISS - 14

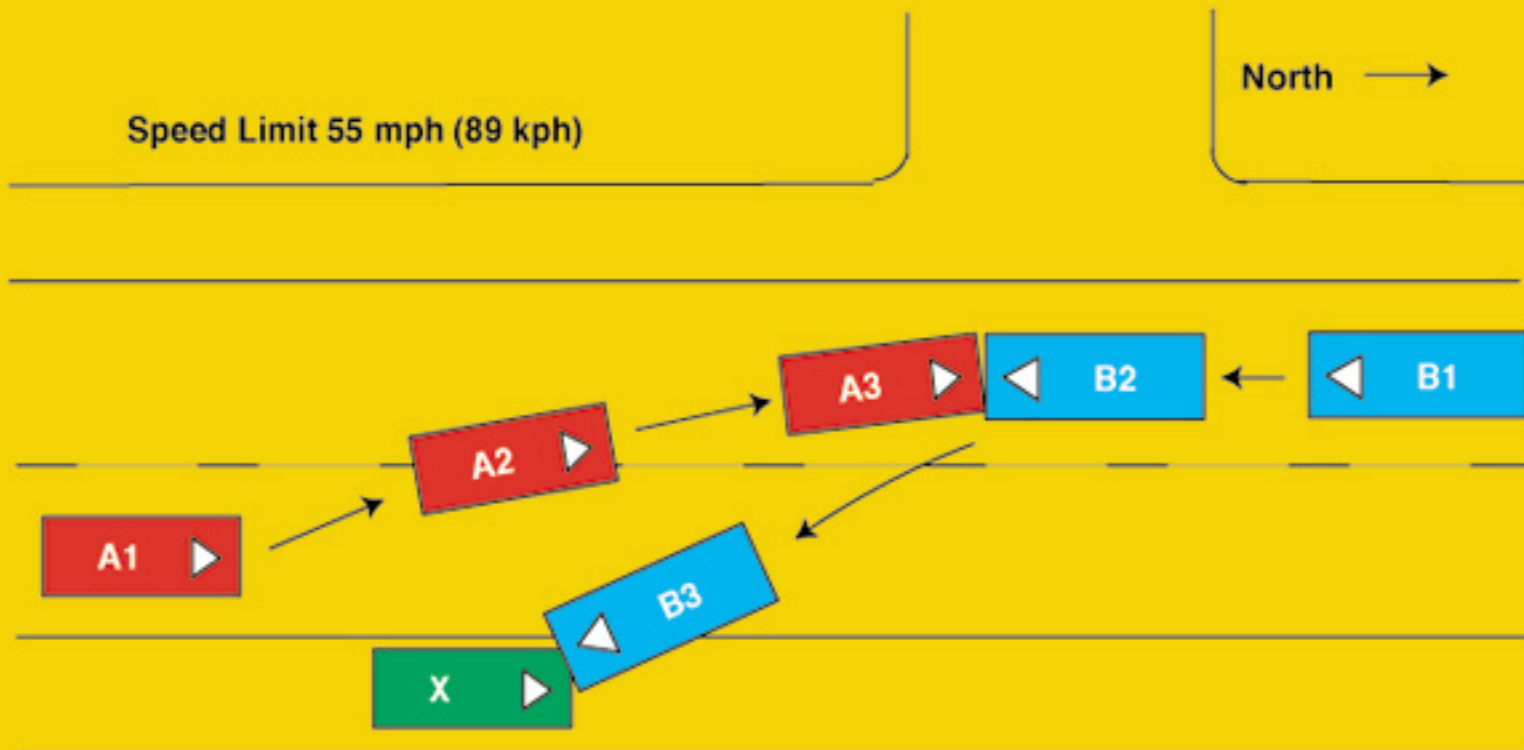


Case No.: 411
Case Veh. (A): 2002 Toyota
Type: Avalon XLS, 4-door sedan
Driver: 70-year-old female
Veh. (B): 1997 Pontiac Grand Prix, 2-door coupe

Light Conditions: Daylight
Weather: Clear
Road Surface: Dry
Road Construction: Asphalt

Speed Limit 55 mph (89 kph)

North →



Vehicle Report

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General Conditions

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Variable Number and Name	Code Value	Code Description	Other Options
V206 — Urban/Rural Area	2	Rural	more
V207 — Limited Access Highway	0	No	more
V208 — Road Total Lanes	2	2 lanes	more
V209 — Intersecting Road Total Lanes	8	Not applicable	more
V210 — Road Surface Type	1	Asphalt	more
V211 — Road Defects	0	No	more
V212 — Construction Zone	0	No	more
V213 — Road Alignment Vertical Plane	1	Level	more
V214 — Road Alignment Horizontal Plane	1	Straight	more
V215 — Surface Covering	10	Dry	more
V216 — Visibility Limitation	0	None	more
V217 — Visibility Obstruction	0	None	more
V218 — Speed Limit	6	86-90 km/h .. 55 mph	more
V219 — Precipitation Type	0	None	more
V220 — Precipitation Rate	8	Not applicable	more
V221 — Temperature	9	Unknown	more

V222 — Crosswind	9	Unknown	more
V223 — Light Conditions	1	Daylight	more
V224 — Mechanical Malfunction Mention	0	No	more
V225 — Case Vehicle and Object	0	No	more
V226 — Case Vehicle Rollover	0	No	more
V227 — Case Vehicle Ran Off Roadway	0	No	more
V228 — Moving Case Vehicle/Contacted Moving Vehicle	1	Yes	more
V229 — Case Vehicle/Contacted Stopped Vehicle	0	No	more
V230 — Stopped Case Vehicle/Contactd Vehicle	0	No	more
V231 — Total Vehicles Hit By Case Vehicle	1	1 vehicle	more
V232 — Any Fire in Crash	0	No	more
V233 — Max Police Severity-PAR	4	K - Fatal	more
V234 — Driver Alcohol Involvement	0	Had not been drinking	more
V235 — Driver Alcohol BAC	00	—	—
V236 — Driver Impairment Mention	0	No	more
V237 — Driven/Towed From Scene	2	Towed Due to Damage	more

Other Vehicle

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Variable Number and Name	Code Value	Code Description	Other Options
V301 — Other Vehicle VIN	1G2WP1218VF3	—	—
V302 — Other Vehicle Manufacturer/Body Code	11529	—	—
V303 — Other Vehicle Manufacturer	115	Pontiac	more
V304 — Other Vehicle Body Code	29	Full 110-114.9 in. wb.	more
V305 — Other Vehicle Make/Model	0333	Grand Prix	more
V306 — Other Vehicle Model Year	1997	—	—
V307 — Other Vehicle Mass	001541 kg	—	—
V308 — Other Vehicle Number	0	No separate report	more
V309 — Other Vehicle Number of Occupants	02	—	—
V310 — Other Vehicle Traveling Speed	999	Unknown	more

V311 — Highest Police Injury Severity	4	K - Fatal	more
V312 — Other Vehicle Type	29	Full 110-114.9 in. wb.	more
V313 — Other Vehicle Wheelbase (cm)	281 cm	—	—
V314 — Average Track Width	157 cm	—	—
V315 — Overall Length	499 cm	—	—
V316 — Overall Width (OAW)	139 cm	—	—
V317 — Front Overhang (FOH)	109 cm	—	—
V318 — Rear Overhang (ROH)	110 cm	—	—
V319 — Undeformed End Width (UEW)	160 cm	—	—
V320 — Engine Displacement	3.8 l	—	—
V321 — Engine: Number of Cylinders	06	—	—
V322 — Direct Damage Length (DDL)	160 cm	—	—
V323 — Front-End Overlap % (FEO)	98	98% or more	more
V324 — Vehicle Overlap % (VOL)	98	98% or more	more

Case Vehicle General



[Click for case vehicle figure](#)

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Variable Number and Name	Code Value	Code Description	Other Options
V401 — VIN	4T1BF28B42U2	—	—
V402 — Manufacturer/Body Code	18328	—	—
V403 — Vehicle Manufacturer	183	Toyota/America	more
V404 — Vehicle Body Code	28	—	—
V405 — Make/Model Code	1605	Avalon	more
V406 — Model Year	2002	—	—
V407 — Vehicle Mass	001560 kg	—	—
V408 — Odometer Reading	999999	Unknown	more
V409 — Number of Occupants	01	—	—
V410 — Traveling Speed	999	Unknown	more
V411 — Body Type	14	4-door sedan	more
V412 — Stolen Vehicle	8	Not currently collected	more
V413 — Body Structure	2	Unitized	more
V414 — Transmission Type	1	Automatic	more
	2		

V415 — Transmission Lever Location		Console	more
V416 — Steering	1	Power	more
V417 — Brakes	1	Power	more
V418 — Brake Type	9	Unknown	more
V419 — Brake Anti-lock Device	2	Four-wheel	more
V420 — Air Conditioning in Vehicle	8	Not currently collected	more
V421 — Drive Type	2	Front wheel	more
V422 — Dual Rear Wheels	0	No	more
V423 — Original Restraint System Type	3	Airbag	more
V424 — Equipped With Roll Bar	0	No	more
V425 — Roof Type	4	Sun roof closed	more
V426 — Wheelbase	272 cm	—	—
V427 — Anti-lacerative Glass	0	None	more
V428 — Average Track Width	154 cm	—	—
V429 — Overall Length	488 cm	—	—
V430 — Overall Width (OAW)	182 cm	—	—
V431 — Front Overhang	095 cm	—	—
V432 — Rear Overhang	123 cm	—	—
V433 — Undeformed End Width (UEW)	160 cm	—	—
V434 — Engine Displacement	3.0 l	—	—
V435 — Engine: Number of Cylinders	06	—	—
V436 — Direct Damage Length (DDL)	160 cm	—	—
V437 — Front End Overlap % (FEO)	98	98% or more	more
V438 — Vehicle Overlap % (VOL)	98	98% or more	more

Case Vehicle Damage Description

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Variable Number and Name	Code Value	Code Description	Other Options
V501 — Maximum Crush - Front	082 cm	—	—
V502 — Maximum Crush - Right Side	000 cm	No crush (or less than 1 cm.)	more
V503 — Maximum Crush - Rear	000 cm	No crush (or less than 1 cm.)	more

V504 — Maximum Crush - Left Side	000 cm	No crush (or less than 1 cm.)	more
V505 — Maximum Crush - Roof	000 cm	No crush (or less than 1 cm.)	more
V506 — Maximum Crush - Other	000 cm	No crush (or less than 1 cm.)	more
V507 — Are Events In Chronological Order	1	Yes	more
V508 — Event 1 Impact Location	1	On Roadway	more
V509 — Event 1 Impact Configuration	11	FRONT of case veh - FRONT of contacted Vehicle	more
V510 — Event 1 Object/Vehicle Contacted	29	Full 110-114.9 in. wb.	more
V511 — Event 2 Impact Location	8	No 2nd event	more
V512 — Event 2 Impact Configuration	88	No 2nd event	more
V513 — Event 2 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V514 — Event 3 Impact Location	8	No 3rd event	more
V515 — Event 3 Impact Configuration	88	No 3rd event	more
V516 — Event 3 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V517 — Event 4 Impact Location	8	No 4th event	more
V518 — Event 4 Impact Configuration	88	No 4th event	more
V519 — Event 4 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V520 — Event 5 Impact Location	8	No 5th event	more
V521 — Event 5 Impact Configuration	88	No 5th event	more
V522 — Event 5 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V523 — Event 6 Impact Location	8	No 6th event	more
V524 — Event 6 Impact Configuration	88	No 6th event	more
V525 — Event 6 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V526 — Event 7 Impact On Road	8	No 7th event	more
V527 — Event 7 Impact Configuration	88	No 7th event	more
V528 — Event 7 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V529 — Primary CDC Case Vehicle -event Number	1	Event 1	more

V530 — Primary CDC Case Vehicle - impact speed	999	Unknown	more
V531 — Primary CDC Case Vehicle - Estimated By	1	Investigator	more
V532 — Primary CDC Case Vehicle -crush	082	—	—
V533 — Primary CDC Case Vehicle -clock #1	12	12 o'clock	more
V534 — Primary CDC Case Vehicle letter 1 #1	06	F - Front	more
V535 — Primary CDC Case Vehicle letter 2 #1	04	D - Distributed (Side or End)	more
V536 — Primary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	more
V537 — Primary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	more
V538 — Primary CDC Case Vehicle Extent #1	04	Extent 4	more
V539 — Primary CDC Case Vehicle -CDC #1	12FDEW4	—	—
V541 — Primary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V542 — Primary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V543 — Primary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V544 — Primary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V545 — Primary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V546 — Primary CDC Case Vehicle -CDC #2	9800000	—	—
V547 — Primary CDC Contacted Vehicle - Impact Speed	999	Unknown	more
V548 — Primary CDC Contacted Vehicle - Estimated By	1	Investigator	more
V549 — Primary CDC Contacted Vehicle -crush	093	—	—
V550 — Primary CDC Contacted Vehicle -clock #1	12	12 o'clock	more
V551 — Primary CDC Contacted Vehicle letter 1 #1	06	F - Front	more
V552 — Primary CDC Contacted	04	D - Distributed (Side or End) or	more

Vehicle letter 2 #1		(F + P + B)	
V553 — Primary CDC Contacted Vehicle letter 3 #1	05	E - Everything below belt line	more
V554 — Primary CDC Contacted Vehicle letter 4 #1	23	W - Wide impact area	more
V555 — Primary CDC Contacted Vehicle Extent #1	04	Extent 4	more
V556 — Primary CDC Contacted Vehicle -CDC #1	12FDEW4	—	—
V558 — Primary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V559 — Primary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V560 — Primary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V561 — Primary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V562 — Primary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V563 — Primary CDC Contacted Vehicle -CDC #2	9800000	—	—
V564 — Secondary CDC Case Vehicle - Event No	8	Not applicable	more
V565 — Secondary CDC Case Vehicle - Impact Speed	998	Not Applicable	more
V566 — Secondary CDC Case Vehicle - Estimated By	8	Not applicable (no vehicle/no impact)	more
V567 — Secondary CDC Case Vehicle -crush	998	Not Applicable	more
V568 — Secondary CDC Case Vehicle -clock #1	98	Not Applicable	more
V569 — Secondary CDC Case Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V570 — Secondary CDC Case Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V571 — Secondary CDC Case Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V572 — Secondary CDC Case Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V573 — Secondary CDC Case Vehicle Extent #1	00	Missing Data/Not applicable	more
V574 — Secondary CDC Case Vehicle -CDC #1	9800000	—	—

V576 — Secondary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V577 — Secondary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V578 — Secondary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V579 — Secondary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V580 — Secondary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V581 — Secondary CDC Case Vehicle -CDC #2	9800000	—	—
V582 — Secondary CDC Contacted Vehicle - Impact Speed	998	Not Applicable	more
V583 — Secondary CDC Contacted Vehicle - Estimated By	8	Not applicable (no vehicle/no impact)	more
V584 — Secondary CDC Contacted Vehicle -crush	998	Not Applicable	more
V585 — Secondary CDC Contacted Vehicle -clock #1	98	Not Applicable	more
V586 — Secondary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V587 — Secondary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V588 — Secondary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V589 — Secondary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V590 — Secondary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V591 — Secondary CDC Contacted Vehicle -CDC #1	9800000	—	—
V593 — Secondary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V594 — Secondary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V595 — Secondary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V596 — Secondary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V597 — Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V598 — Secondary CDC Contacted	9800000	—	—

Crash Severity

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Variable Number and Name	Code Value	Code Description	Other Options
V601 — Case Vehicle Primary Impact Number	1	—	—
V602 — Primary Impact Total Delta-V	066 kph	—	—
V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V	-065 kph	—	—
V604 — Primary Case Vehicle Reconstructed Lateral Delta-V	-012 kph	—	—
V605 — Primary Case Vehicle Reconstructed Crush Energy	0281 kJ	—	—
V606 — Primary Impact Case Vehicle - reconstruction	22	Reconstructed, moderate confidence level	more
V607 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V608 — Primary Contacted	066 kph	—	—

Vehicle Reconstructed Total Delta-V			
V609 — Primary Contacted Vehicle Reconstructed Longitudinal Delta-V	-066 kph	—	—
V610 — Primary Contacted Vehicle Reconstructed Lateral Delta- V	0000 kph	—	—
V611 — Primary Contacted Vehicle Reconstructed Crush Energy	0286 kJ	—	—
V612 — Case Vehicle Secondary Impact Number	8	—	—
V613 — Secondary Case Vehicle Reconstructed Total Delta-V	888	N/A	more
V614 — Secondary Case Vehicle Reconstructed Longitudinal Delta-V	8888	—	—
V615 — Secondary Case Vehicle Reconstructed Lateral Delta- V	8888	—	—
V616 — Secondary Case Vehicle	8888	—	—

Reconstructed Crush Energy			
V617 — Secondary Case Vehicle Reconstruction Note	88	—	—
V618 — Secondary Case Vehicle Reconstruction Mode	8	Not applicable	more
V619 — Secondary Contacted Vehicle Reconstructed Total Delta-V	888	N/A	more
V620 — Secondary Contacted Vehicle Reconstructed Longitudinal Delta-V	8888	—	—
V621 — Secondary Contacted Vehicle Reconstructed Lateral Delta- V	8888	—	—
V622 — Secondary Contacted Vehicle Reconstructed Crush Energy	8888	—	—
V623 — Case Vehicle Primary Impact Number	1	—	—
V624 — Primary Case Vehicle Reconstructed Total EBS	065 kph	—	—

V625 — Primary Case Vehicle Reconstructed Longitudinal EBS	-064 kph	—	—
V626 — Primary Case Vehicle Reconstructed Lateral EBS	-011 kph	—	—
V627 — Primary Case Vehicle Reconstructed Crush Energy	0281 kJ	—	—
V628 — Primary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	more
V629 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V630 — Primary Contacted Vehicle Reconstruction Total EBS	067 kph	—	—
V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS	-067 kph	—	—
V632 — Primary Contacted Vehicle Reconstruction Lateral EBS	0000 kph	—	—
V633 — Primary Contacted	0286 kJ		

Vehicle Reconstruction Crush Energy		—	—
V634 — Case Vehicle Secondary Impact Number	8	Not applicable	more
V635 — Secondary Case Vehicle Reconstruction Total EBS	888	N/A	more
V636 — Secondary Case Vehicle Reconstruction Longitudinal EBS	8888	—	—
V637 — Secondary Case Vehicle Reconstruction Lateral EBS	8888	—	—
V638 — Secondary Case Vehicle Reconstruction Crush Energy	8888	—	—
V639 — Secondary Case Vehicle Reconstruction Note	88	—	—
V640 — Secondary Case Vehicle Reconstruction Mode	8	Not applicable	more
V641 — Secondary Contacted Vehicle Reconstruction Total EBS	888	N/A	more
V642 — Secondary	8888		

Contacted Vehicle Reconstruction Longitudinal EBS			—	—
V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS	8888		—	—
V644 — Secondary Contacted Vehicle Reconstruction Crush Energy	8888		—	—
V645 — Case Vehicle Reconstructed Impact Number	1		—	—
V646 — Case Vehicle Impact 1 Plane	1	Bumper		more
V647 — Case Vehicle Impact 1 Direct Damage Length [DDL]	160 cm		—	—
V648 — Case Vehicle Impact 1 Max Crush	082 cm		—	—
V649 — Case Vehicle Impact 1 Field-L	103 cm		—	—
V650 — Case Vehicle Impact 1 C1	043 cm		—	—
V651 — Case Vehicle Impact 1 C2	068 cm		—	—
V652 — Case Vehicle	082 cm		—	—

Impact 1 C3			
V653 — Case Vehicle Impact 1 C4	078 cm	—	—
V654 — Case Vehicle Impact 1 C5	062 cm	—	—
V655 — Case Vehicle Impact 1 C6	046 cm	—	—
V656 — Case Vehicle Impact 1 +/- D	0000 cm	—	—
V657 — Case Vehicle Reconstructed Impact Number	2	—	—
V658 — Case Vehicle Impact 2 Plane	8	Not applicable	more
V659 — Case Vehicle Impact 2 Direct Damage Length [DDL]	998	Not applicable	more
V660 — Case Vehicle Impact 2 Max Crush	998	Not applicable	more
V661 — Case Vehicle Impact 2 Field-L	998	Not applicable	more
V662 — Case Vehicle Impact 2 C1	998	Not applicable	more
V663 — Case Vehicle Impact 2 C2	998	Not applicable	more
V664 — Case Vehicle Impact 2 C3	998	Not applicable	more
V665 — Case Vehicle	998	Not applicable	more

Impact 2 C4			
V666 — Case Vehicle Impact 2 C5	998	Not applicable	more
V667 — Case Vehicle Impact 2 C6	998	Not applicable	more
V668 — Case Vehicle Impact 2 +/- D	9998	—	—
V669 — Other Vehicle Reconstructed Impact Number	1	—	—
V670 — Other Vehicle Impact 1 Plane	1	Bumper	more
V671 — Other Vehicle Impact 1 Direct Damage Length [DDL]	160 cm	—	—
V672 — Other Vehicle Impact 1 Max Crush	093 cm	—	—
V673 — Other Vehicle Impact 1 Field-L	160 cm	—	—
V674 — Other Vehicle Impact 1 C1	017 cm	—	—
V675 — Other Vehicle Impact 1 C2	063 cm	—	—
V676 — Other Vehicle Impact 1 C3	079 cm	—	—
V677 — Other Vehicle Impact 1 C4	089 cm	—	—
V678 — Other Vehicle	093 cm	—	—

Impact 1 C5			
V679 — Other Vehicle Impact 1 C6	085 cm	—	—
V680 — Other Vehicle Impact 1 +/- D	0000 cm	—	—
V681 — Other Vehicle Reconstructed Impact Number	2	—	—
V682 — Other Vehicle Impact 2 Plane	8	Not applicable	more
V683 — Other Vehicle Impact 2 Direct Damage Length [DDL]	998	Not applicable	more
V684 — Other Vehicle Impact 2 Max Crush	998	Not applicable	more
V685 — Other Vehicle Impact 2 Field-L	998	Not applicable	more
V686 — Other Vehicle Impact 2 C1	998	Not applicable	more
V687 — Other Vehicle Impact 2 C2	998	Not applicable	more
V688 — Other Vehicle Impact 2 C3	998	Not applicable	more
V689 — Other Vehicle Impact 2 C4	998	Not applicable	more
V690 — Other Vehicle Impact 2 C5	998	Not applicable	more
V691 — Other Vehicle	998	Not applicable	more

Impact 2 C6			
V692 — Other Vehicle Impact 2 +/- D	9998	—	—

Case Vehicle Tires & Rims

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Variable Number and Name	Code Value	Code Description	Other Options
V701 — Left Front Wheel Damaged	0	No	more
V702 — Right Front Wheel Damaged	0	No	more
V703 — Right Rear Wheel Damaged	0	No	more
V704 — Left Rear Wheel Damaged	0	No	more
V705 — Left Front Tire Tread Type	4	All Weather	more
V706 — Right Front Tire Tread Type	4	All Weather	more
V707 — Right Rear Tire Tread Type	4	All Weather	more
V708 — Left Rear Tire Tread Type	4	All Weather	more
V709 — Left Front Carcass Construction	3	Radial	more
V710 — Right Front Carcass Construction	3	Radial	more
V711 — Right Rear Carcass Construction	3	Radial	more
V712 — Left Rear Carcass Construction	3	Radial	more
V717 — Left Front Tire Size	20560R16	—	—
V718 — Right Front Tire Size	20560R16	—	—
V719 — Right Rear Tire Size	20560R16	—	—
V720 — Left Rear Tire Size	20560R16	—	—

Case Vehicle Fuel, Tank, Fire

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Variable Number and Name	Code Value	Code Description	Other Options
V801 — Propulsive Fuel Type	1	Gasoline	more
V802 — Main Tank Location	322	Within frame/centered laterally -	more



		within vertically	
V803 — Main Filler Cap Location	113	Left of frame laterally - above vertically	more
V804 — Main Tank Material	3	Plastic	more
V805 — Aux Tank Type	8	Not applicable (not equipped)	more
V806 — Aux Tank Location	888	Not applicable (not equipped)	more
V807 — Aux Filler Cap Location	888	Not applicable (not equipped)	more
V808 — Aux Tank Material	8	Not applicable	more
V901 — Fuel Leakage From Crash	0	No	more
V1001 — Fire In Or On Case Vehicle	0	No	more

Case Vehicle Exterior

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Variable Number and 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	1	Yes	more
V1111 — Edge Penetrated Windshield	0	No	more
V1112 — Hood Latch Location	1	Front of Vehicle	more
V1113 — Eng/Transmissn Mount Separation	0	No	more
V1114 — Sterng Column Flex Coupling	9	Unknown if equipped	more
V1115 — Sterng Column Coupling Damaged	9	Unknown	more
V1116 — Sterng Column Coupling Separated	9	Unknown	more
V1117 — Eng Comp Telescopng Unit	88	Not collected	more
V1118 — Comp Orig/Telescopd Diff	888	Not collected	more
V1119 — Left Side Body Mount	8		

Separation		Not applicable (unitized)	more
V1120 — Upper Left A-pillar Separation	0	No	more
V1121 — Lower Left A-pillar Separation	0	No	more
V1122 — Upper Left B-pillar Separation	0	No	more
V1123 — Lower Left B-pillar Separation	0	No	more
V1124 — Upper Left C-pillar Separation	0	No	more
V1125 — Lower Left C-pillar Separation	0	No	more
V1126 — Upper Left D-pillar Separation	8	Not applicable (not equipped)	more
V1127 — Lower Left D-pillar Separation	8	Not applicable (not equipped)	more
V1128 — Left Front Door Opening Cause	0	Door did not open	more
V1129 — Left Rear Door Opening Cause	0	Door did not open	more
V1130 — Left Front Door Jammed Closed	0	No	more
V1131 — Left Rear Door Jammed Closed	0	No	more
V1132 — Rear Door Type	0	No door (includes pickups)	more
V1133 — Rear Door Opening Cause	8	Not applicable (no rear door)	more
V1134 — Rear Door Jammed Closed	8	Not applicable (no rear door)	more
V1135 — Luggage Partition Damagd	0	No	more
V1136 — Spare Tire Status	8	Not collected	more
V1137 — Trailer Hitch Type	0	No hitch	more
V1138 — Trailer Type	0	No trailer	more
V1139 — Right Side Body Mount Separation	8	Not applicable (unitized)	more
V1140 — Upper Right A-pillar Separation	0	No	more
V1141 — Lower Right A-pillar Separation	0	No	more
V1142 — Upper Right B-pillar Separation	0	No	more
V1143 — Lower Right B-pillar Separation	0	No	more

V1144 — Upper Right C-pillar Separation	0	No	more
V1145 — Lower Right C-pillar Separation	0	No	more
V1146 — Upper Right D-pillar Separation	8	Not applicable (not equipped)	more
V1147 — Lower Right D-pillar Separation	8	Not applicable (not equipped)	more
V1148 — Right Front Door Opening Cause	00	Door did not open	more
V1149 — Right Rear Door Opening Cause	00	Door did not open	more
V1150 — Right Front Door Jammed Closed	0	No	more
V1151 — Right Rear Door Jammed Closed	0	No	more
V1152 — Van Rear Door Type	8	Not applicable (not a van)	more
V1153 — Windshield Cracked		Yes	more
V1154 — Windshield Broken	0	No	more
V1155 — Windshield Cracked or Broken by Occupant	0	No	more
V1156 — Bond Separation Extent	0	None	more
V1157 — Windshield Code		—	—
V1158 — Did Sun/T Roof Open	0	No	more

**Case Vehicle
Steering
Column/Rim**

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Variable Number and Name	Code Value	Code Description	Other Options
V1201 — Steering Wheel Rim Damage	2	Severely bent	more
V1202 — Number of Steering Wheel	4		

Spokes		4 spokes	more
V1203 — Steering Wheel Spoke Damage	2	Severely bent	more
V1204 — Column Tilt Feature	1	Yes, equipped (position unknown)	more
V1205 — Column Swing-away Feature	0	Not equipped	more
V1206 — Column Telescoping Feature	0	Not equipped	more
V1207 — Wheel Energy Absorb Device	8	Not collected	more
V1208 — Wheel Ea Orig/Damaged Diff	888	Not collected	more
V1209 — Column Energy Absorb Device	88	Not collected	more
V1210 — Column Ea Orig/Comprss Diff	888	Not collected	more
V1211 — Shear Capsule Separation	888	Not collected	more
V1212 — Column Vertical Rotation	0	No apparent rotation	more
V1213 — Column Lateral Rotation	0	No apparent rotation	more
V1214 — Steering Wheel Hub Damage	1	Occupant contact	more

Case Vehicle Intrusion



Click for intrusion figures

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Variable Number and Name	Code Value	Code Description	Other Options
V1301 — Occupant Compartment Intrusion	1	Yes	more
V1302 — Was Intrusion Catastrophic	0	No	more
V1303 — Intrusion Number 01	01	Intrusion #1	more
V1304 — Intrusion 01 Occupant Space Number	11	First row, Left seat	more
V1305 — Intrusion 01 Intruding Object	03	Toe pan	more
V1306 — Intrusion 01 Assoc Event Number	1	Event #1	more
V1307 — Intrusion 01 Max Intrusion X-axis	30 cm	—	—
V1308 — Intrusion 01 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more

V1309 — Intrusion 01 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1310 — Intrusion 01 Occupant Number	01	Occupant number 1, contact	more
V1311 — Intrusion 01 Injury Number	10	Injury #10	more
V1312 — Intrusion 01 Occupant Number	01	Occupant number 1, contact	more
V1313 — Intrusion 01 Injury Number	11	Injury #11	more
V1314 — Intrusion Number 02	02	Intrusion #2	more
V1315 — Intrusion 02 Occupant Space Number	11	First row, Left seat	more
V1316 — Intrusion 02 Intruding Object	01	Instrument panel	more
V1317 — Intrusion 02 Assoc Event Number	1	Event #1	more
V1318 — Intrusion 02 Max Intrusion X-axis	05 cm	—	—
V1319 — Intrusion 02 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1320 — Intrusion 02 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1321 — Intrusion 02 Occupant Number	00	No contact or no intrusion	more
V1322 — Intrusion 02 Injury Number	00	No injury or no intrusion	more
V1323 — Intrusion 02 Occupant Number	00	No contact or no intrusion	more
V1324 — Intrusion 02 Injury Number	00	No injury or no intrusion	more
V1325 — Intrusion Number 03	03	Intrusion #3	more
V1326 — Intrusion 03 Occupant Space Number	12	First row, Center seat	more
V1327 — Intrusion 03 Intruding Object	01	Instrument panel	more
V1328 — Intrusion 03 Assoc Event Number	1	Event #1	more
V1329 — Intrusion 03 Max Intrusion X-axis	10 cm	—	—
V1330 — Intrusion 03 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1331 — Intrusion 03 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1332 — Intrusion 03 Occupant Number	00	No contact or no intrusion	more

V1333 — Intrusion 03 Injury Number	00	No injury or no intrusion	more
V1334 — Intrusion 03 Occupant Number	00	No contact or no intrusion	more
V1335 — Intrusion 03 Injury Number	00	No injury or no intrusion	more
V1336 — Intrusion Number 04	04	Intrusion #4	more
V1337 — Intrusion 04 Occupant Space Number	13	First row, Right seat	more
V1338 — Intrusion 04 Intruding Object	03	Toe pan	more
V1339 — Intrusion 04 Assoc Event Number	1	Event #1	more
V1340 — Intrusion 04 Max Intrusion X-axis	23 cm	—	—
V1341 — Intrusion 04 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1342 — Intrusion 04 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1343 — Intrusion 04 Occupant Number	00	No contact or no intrusion	more
V1344 — Intrusion 04 Injury Number	00	No injury or no intrusion	more
V1345 — Intrusion 04 Occupant Number	00	No contact or no intrusion	more
V1346 — Intrusion 04 Injury Number	00	No injury or no intrusion	more
V1347 — Intrusion Number 05	05	Intrusion #5	more
V1348 — Intrusion 05 Occupant Space Number	13	First row, Right seat	more
V1349 — Intrusion 05 Intruding Object	01	Instrument panel	more
V1350 — Intrusion 05 Assoc Event Number	1	Event #1	more
V1351 — Intrusion 05 Max Intrusion X-axis	10 cm	—	—
V1352 — Intrusion 05 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1353 — Intrusion 05 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1354 — Intrusion 05 Occupant Number	00	No contact or no intrusion	more
V1355 — Intrusion 05 Injury Number	00	No injury or no intrusion	more
V1356 — Intrusion 05 Occupant Number	00	No contact or no intrusion	more
V1357 — Intrusion 05 Injury Number	00	No injury or no intrusion	more

V1358 — Intrusion Number 06	00	No Intrusion, None	more
V1359 — Intrusion 06 Occupant Space Number	00	No Intrusion, None	more
V1360 — Intrusion 06 Intruding Object	00	No Intrusion, None	more
V1361 — Intrusion 06 Assoc Event Number	0	No Intrusion, None	more
V1362 — Intrusion 06 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1363 — Intrusion 06 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1364 — Intrusion 06 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1365 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1366 — Intrusion 06 Injury Number	00	No injury or no intrusion	more
V1367 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1368 — Intrusion 06 Injury Number	99	Contact, injury unknown or data not collected	more
V1369 — Intrusion Number 07	00	No Intrusion, None	more
V1370 — Intrusion 07 Occupant Space Number	00	No Intrusion, None	more
V1371 — Intrusion 07 Intruding Object	00	No Intrusion, None	more
V1372 — Intrusion 07 Assoc Event Number	0	No Intrusion, None	more
V1373 — Intrusion 07 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1374 — Intrusion 07 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1375 — Intrusion 07 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1376 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more
V1377 — Intrusion 07 Injury Number	00	No injury or no intrusion	more
V1378 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more
V1379 — Intrusion 07 Injury Number	99	Contact, injury unknown or data not collected	more
V1380 — Intrusion Number 08	00	No Intrusion, None	more
V1381 — Intrusion 08 Occupant Space Number	00	No Intrusion, None	more

V1382 — Intrusion 08 Intruding Object	00	No Intrusion, None	more
V1383 — Intrusion 08 Assoc Event Number	0	No Intrusion, None	more
V1384 — Intrusion 08 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1385 — Intrusion 08 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1386 — Intrusion 08 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1387 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1388 — Intrusion 08 Injury Number	00	No injury or no intrusion	more
V1389 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1390 — Intrusion 08 Injury Number	99	Contact, injury unknown or data not collected	more
V1391 — Intrusion Number 09	00	No Intrusion, None	more
V1392 — Intrusion 09 Occupant Space Number	00	No Intrusion, None	more
V1393 — Intrusion 09 Intruding Object	00	No Intrusion, None	more
V1394 — Intrusion 09 Assoc Event Number	0	No Intrusion, None	more
V1395 — Intrusion 09 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1396 — Intrusion 09 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1397 — Intrusion 09 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1398 — Intrusion 09 Occupant Number	00	No contact or no intrusion	more
V1399 — Intrusion 09 Injury Number	00	No injury or no intrusion	more
V1400 — Intrusion 09 Occupant Number	00	No contact or no intrusion	more
V1401 — Intrusion 09 Injury Number	99	Contact, injury unknown or data not collected	more
V1402 — Intrusion Number 10	00	No Intrusion, None	more
V1403 — Intrusion 10 Occupant Space Number	00	No Intrusion, None	more
V1404 — Intrusion 10 Intruding Object	00	No Intrusion, None	more
V1405 — Intrusion 10 Assoc Event	0		

Number		No Intrusion, None	more
V1406 — Intrusion 10 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1407 — Intrusion 10 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1408 — Intrusion 10 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1409 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1410 — Intrusion 10 Injury Number	00	No injury or no intrusion	more
V1411 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1412 — Intrusion 10 Injury Number	99	Contact, injury unknown or data not collected	more
V1413 — Door Intrusion Number 01	88	Not Applicable	more
V1414 — Door Intrusion Number 01 Cause	8	Not applicable	more
V1415 — Door Intrusion Number 02	88	Not Applicable	more
V1416 — Door Intrusion Number 02 Cause	8	Not applicable	more
V1417 — Door Intrusion Number 03	88	Not Applicable	more
V1418 — Door Intrusion Number 03 Cause	8	Not applicable	more
V1419 — Door Intrusion 01 Component	88	Not Applicable	more
V1420 — Door Intrusion 01 Component Damaged 1	8	Not Applicable	more
V1421 — Door Intrusion 01 Component Damaged 2	8	Not Applicable	more
V1422 — Door Intrusion 02 Component	88	Not Applicable	more
V1423 — Door Intrusion 02 Component Damaged 1	8	Not Applicable	more
V1424 — Door Intrusion 02 Component Damaged 2	8	Not Applicable	more
V1425 — Door Intrusion 03 Component	88	Not Applicable	more
V1426 — Door Intrusion 03 Component Damaged 1	8	Not Applicable	more
V1427 — Door Intrusion 03 Component Damaged 2	8	Not Applicable	more
V1428 — Door Intrusion 04 Component	88	Not Applicable	more

V1429 — Door Intrusion 04 Component Damaged 1	8	Not Applicable	more
V1430 — Door Intrusion 04 Component Damaged 2	8	Not Applicable	more

**Case Vehicle
Airbag(s)**



[Click for Driver airbag figure](#)



[Click for Passenger airbag figure](#)

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Variable Number and Name	Code Value	Code Description	Other Options
V1501 — Driver Airbag Equipped	1	Yes	more
V1502 — Driver Airbag Deployed	1	Yes	more
V1503 — Driver Airbag Condition	0	No Damage	more
V1504 — Passenger Airbag Equip	1	Yes	more
V1505 — Passenger Airbag Deployed	1	Yes	more
V1506 — Passenger Airbag Condition	0	No Damage	more
V1507 — Steering Wheel Airbag Tether	1	Yes	more
V1508 — Driver Airbag Marked By Contact	1	Yes	more
V1509 — Passenger Airbag Tether	0	No	more
V1510 — Passenger Airbag Marked By Contact	0	No	more

**Case Vehicle
Interior**

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Variable Number and Name	Code Value	Code Description	Other Options
V1601 — Left Front Door Damaged	0	No	more
V1602 — Right Front Door Damaged	0	No	more
V1603 — Left Front Hardware Damaged	0	No	more
V1604 — Right Front Hardware Damaged	0	No	more
V1605 — Left Front Armrest Damaged	0	No	more
V1606 — Right Front Armrest Damaged	0	No	more

V1607 — Left Front Glass Damaged	0	No	more
V1608 — Right Front Glass Damaged	0	No	more
V1609 — Left Rear Door Area Damaged	0	No	more
V1610 — Right Rear Door Area Damaged	0	No	more
V1611 — Left Rear Hardware Damaged	0	No	more
V1612 — Right Rear Hardware Damaged	0	No	more
V1613 — Left Rear Armrest Damaged	0	No	more
V1614 — Right Rear Armrest Damaged	0	No	more
V1615 — Left Rear Glass Damaged	0	No	more
V1616 — Right Rear Glass Damaged	0	No	more
V1617 — Left Roof Side Rail Damaged	0	No	more
V1618 — Right Roof Side Rail Damaged	0	No	more
V1619 — Left B-pillar Damaged	0	No	more
V1620 — Right B-pillar Damaged	0	No	more
V1621 — Left C-pillar Damaged	0	No	more
V1622 — Right C-pillar Damaged	0	No	more
V1623 — Left D-pillar Damaged	8	Not applicable	more
V1624 — Right D-pillar Damaged	8	Not applicable	more
V1625 — Left Headlining Damaged	0	No	more
V1626 — Right Headlining Damaged	0	No	more
V1627 — Left Roof Structure Damaged	0	No	more
V1628 — Right Roof Structure Damaged	0	No	more
V1629 — Left T/Sun Roof Damaged	0	No	more
V1630 — Right T/Sun Roof Damaged	0	No	more
V1631 — Other Left Side Item Damaged	8	Not applicable	more
V1632 — Other Right Side Item Damaged	8	Not applicable	more
V1633 — Foot Controls Damaged	4	Yes, occupant contact	more
V1634 — Ignition Key Damaged	0	No	more
V1635 — Rear View Mirror Damaged	0	No	more

V1636 — Sunvisor/Fitting Damaged	0	No	more
V1637 — Windshield Molding Damaged	0	No	more
V1638 — Left A-pillar Damaged	0	No	more
V1639 — Right A-pillar Damaged	0	No	more
V1640 — Center Console Damaged	1	Yes	more
V1641 — Transmission Lever Damaged	0	No	more
V1642 — Horn/Spoke Shroud Damaged	4	Yes, occupant contact	more
V1643 — Upper Panel Damaged	1	Yes	more
V1644 — Mid Panel Damaged	1	Yes	more
V1645 — Lower Panel Damaged	4	Yes, occupant contact	more
V1646 — Ashtray Damaged	0	No	more
V1647 — Control Knob/Lever Damaged	1	Yes	more
V1648 — Glove Compartment Area Damaged	1	Yes	more
V1649 — Instruments Damaged	1	Yes	more
V1650 — Park Brake Release Damaged	0	No	more
V1651 — Park Brake Pedal Damaged	0	No	more
V1652 — A/C Or Upper Vent Damaged	0	No	more
V1653 — Heater Or A/C Duct Damaged	1	Yes	more
V1654 — Radio Damaged	0	No	more
V1655 — Other Item Damaged	8	Not applicable	more
V1656 — Rear Window Damaged	0	No	more
V1657 — Rear Window Header Damaged	0	No	more
V1658 — Vertical Console Damaged	0	No	more
V1659 — Roof Console Damaged	0	No	more

Case Vehicle Seats

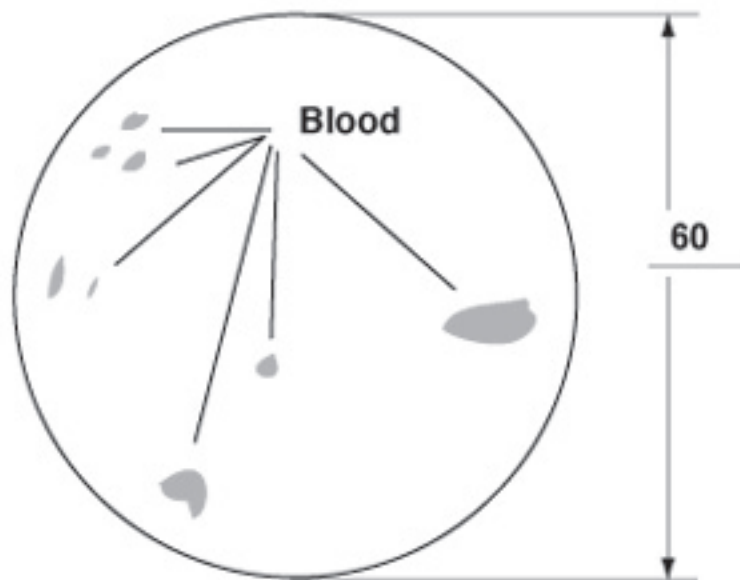
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Variable Number and Name	Code Value	Code Description	Other Options
V1701 — Driver Front Seat Type	05	Bucket	more
V1702 — Passenger Front Seat Type	05	Bucket	more

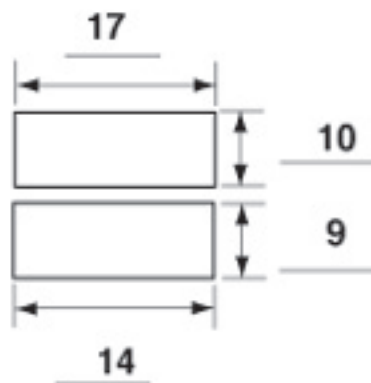
V1703 — Driver Seat Mount Type	1	Standard	more
V1704 — Passenger Seat Mount Type	1	Standard	more
V1705 — Driver Swivel Mechanism Equipped	0	No	more
V1706 — Passenger Swivel Mechanism Equipped	0	No	more
V1707 — Driver Seat Original Equipment	1	Yes	more
V1708 — Passenger Seat Original Equipment	1	Yes	more
V1709 — Driver Seat/Rear Occupant Contact	8	Not applicable	more
V1710 — Passenger Seat/Rear Occupant Contact	8	Not applicable	more
V1711 — Driver Seat Damage	0	None	more
V1712 — Passenger Seat Damage	0	None	more
V1713 — Center Front Armrest Damaged	0	No	more
V1714 — Driver Seat Rotation	0	None apparent	more
V1715 — Passenger Seat Rotation	0	None apparent	more
V1716 — Driver Seat-back Type	3	Reclining	more
V1717 — Passenger Seat-back Type	3	Reclining	more
V1718 — Driver Seat-back Lock Type	3	Power	more
V1719 — Passenger Seat-back Lock Type	3	Power	more
V1720 — Driver Seat-back Lock Held	1	Yes	more
V1721 — Passenger Seat-back Lock Held	1	Yes	more
V1722 — Driver Recliner Mechanism Held	1	Yes	more
V1723 — Passenger Recliner Mechanism Held	1	Yes	more
V1724 — Driver Head Restraint Type	1	Adjustable	more
V1725 — Passenger Head Restraint Type	1	Adjustable	more
V1726 — Driver Head Rest Removed	0	No	more
V1727 — Passenger Head Rest	0	No	more

Removed			
V1728 — Driver Head Rest Adjustment	2	Down	more
V1729 — Passenger Head Rest Adjustment	2	Down	more
V1730 — Driver Head Rest Damage	0	None	more
V1731 — Passenger Head Rest Damage	0	None	more
V1732 — Driver Seat Adjustment Type	2	Power	more
V1733 — Passenger Seat Adjustment Type	2	Power	more
V1734 — Driver Seat Adjustment Provided	3	6-way	more
V1735 — Passenger Seat Adjustment Provided	3	6-way	more

Driver Airbag

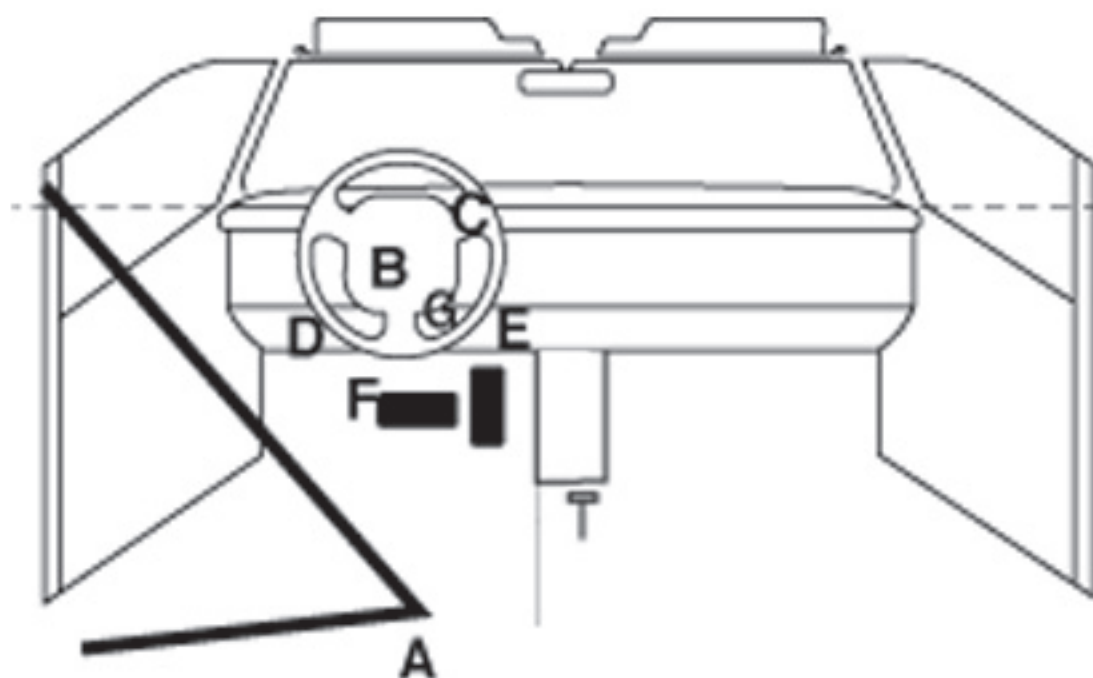


Driver Airbag Doors



Vents: Y N
if yes, how many: 2

Tethers: Y N
if yes, how many: 2



- A = driver seatbelt, scuffmark on D-ring, webbing imprint on sliding latchplate, belt stuck in extended mode**
- B = steering-wheel airbag, blood stains on fabric**
- C = steering-wheel rim, deflected forward**
- D = knee bolster, left side of column, deformed**
- E = knee bolster, right side of column, deformed**
- F = toepan/foot controls, pedals deformed, bloody shoes**
- G = steering column, scuffmark**

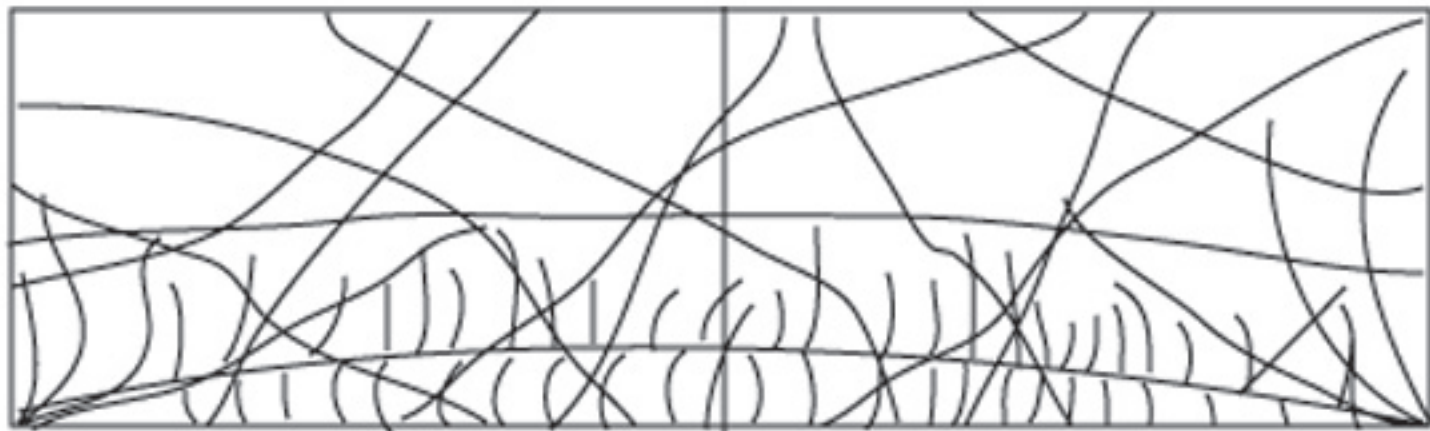
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)					Dominant Crush Direction
		Comparison Value	–	Intruded Value	=	Intrusion	
11	Instrument panel	35	–	30	=	5	rear
11	Toe pan	74	–	44	=	30	rear
11	Steering column	15	–	16	=	-1	none
12	Instrument panel	28	–	18	=	10	rear
13	Instrument panel	35	–	25	=	10	rear
13	Toe pan	74	–	51	=	23	rear
			–		=		
			–		=		
			–		=		
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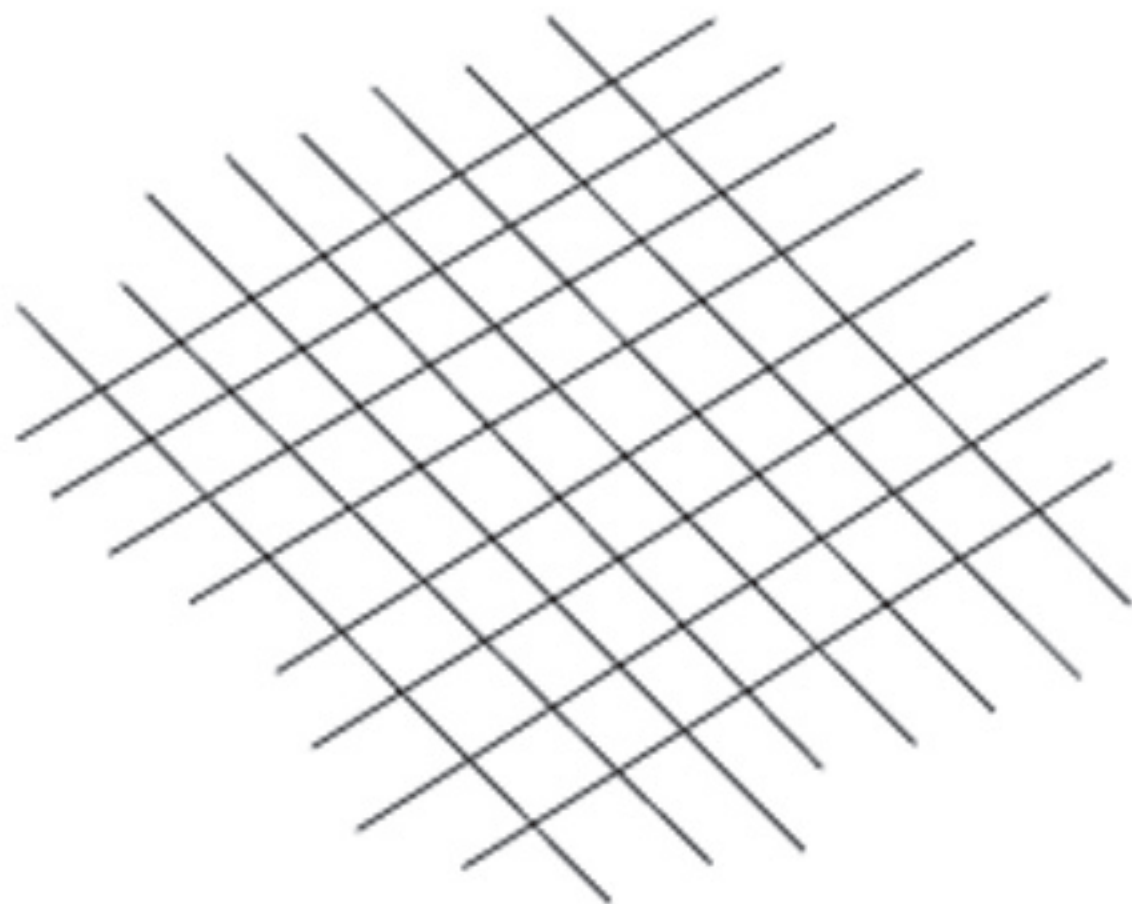
OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Seatbelt	DR	Lt. neck and hip	scuffmark on D-ring, webbing imprint on sliding latchplate, belt stuck in extended mode	1
B	Airbag	DR	Unknown	blood stains on fabric	2
C	Steering wheel rim	DR	Abdomen	deflected forward	1
D	Knee bolster, lt. of steering column	DR	Lt. leg	dented and scuffed	1
E	Knee bolster, rt. of steering column	DR	Rt. leg	scuffed	1
F	Toe pan/foot controls	DR	Rt. foot/ankle	pedals deformed, bloody shoes	1
G	Steering column	DR	Rt. knee	scuffmark	1

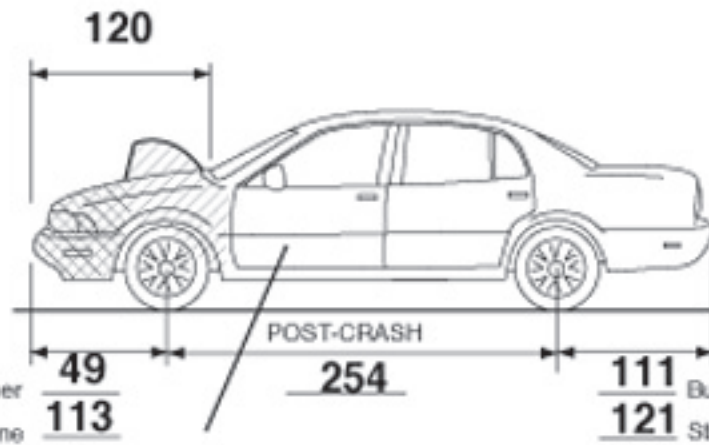
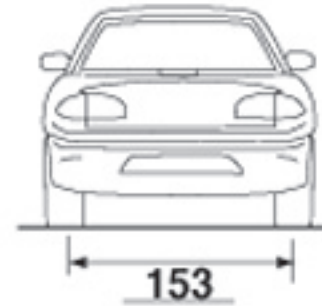
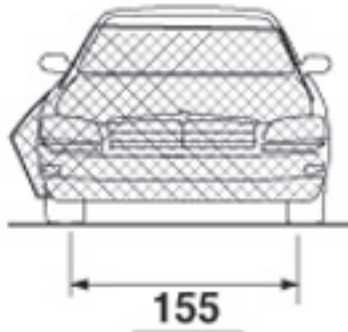


Windshield cracked due to contact by rear edge of hood

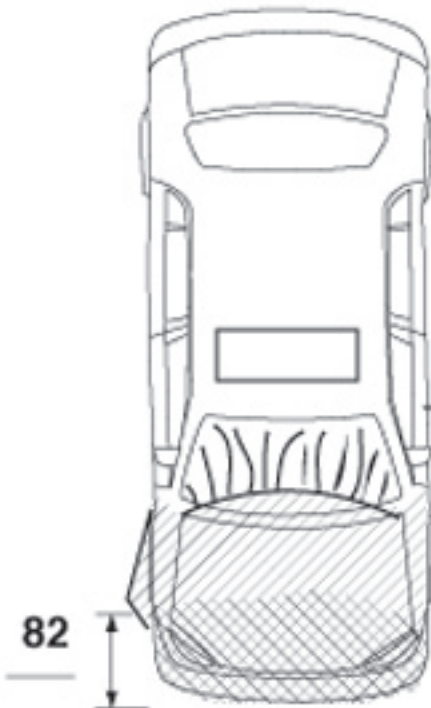
WINDSHIELD MARK ON CASE VEHICLE:



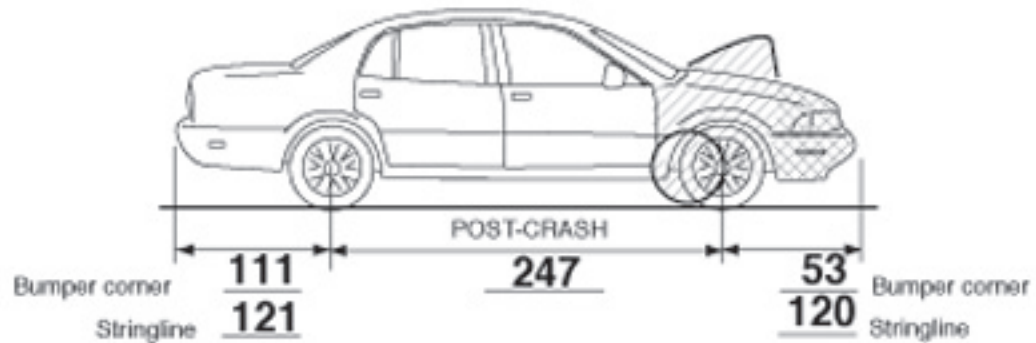
MEASUREMENTS IN CENTIMETERS



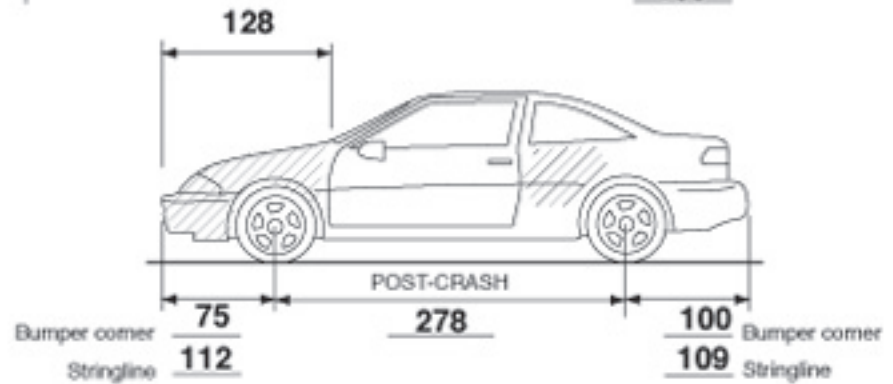
Left-front door removed by rescue in order to aid driver



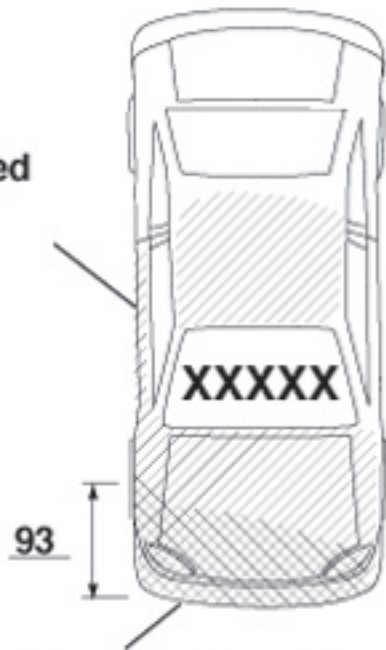
Max. crush to center of front bumper



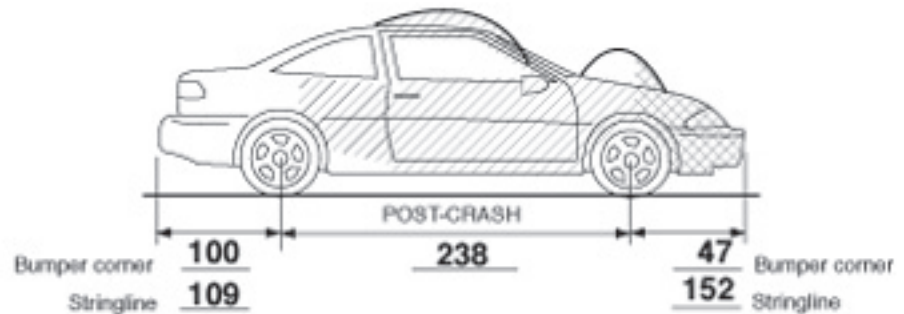
MEASUREMENTS IN CENTIMETERS



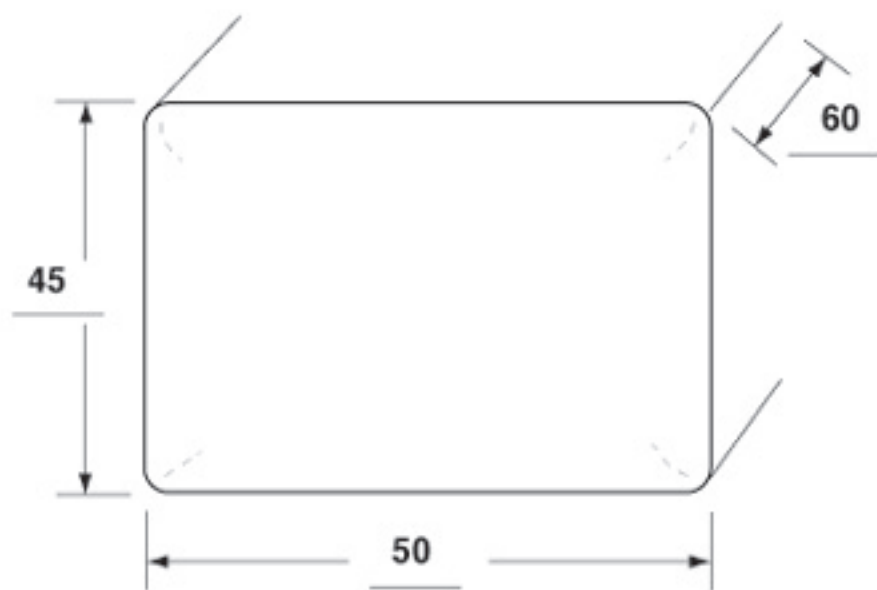
Door opened by rescue



Max. crush at right bumper



Passenger Airbag



No passenger airbag door, seamless
32 cm wide

Vents: Y N
if yes, how many: 2

Tethers: Y N
if yes, how many: _____









































A WARNING

AVERTISSEMENT



(3)

DEATH or SERIOUS INJURY can occur
The BACK SEAT is the SAFEST place for children.
NEVER place a child in the front seat.
Always use SEAT BELTS AND CHILD RESTRAINTS.
Do not use the front air bag for children.
The front air bag is designed for adults.
If a child is in the front seat, the front air bag can deploy and injure or kill the child.
Always use SEAT BELTS AND CHILD RESTRAINTS.
Do not use the front air bag for children.
The front air bag is designed for adults.
If a child is in the front seat, the front air bag can deploy and injure or kill the child.

DANGER de MORT ou de BLESSURE GRAVE
Le SIÈGE AVANT est conçu pour les adultes.
Ne placez jamais un enfant dans le siège avant.
Le siège avant peut déployer et blesser ou tuer l'enfant.
Toujours utiliser les CEINTURES DE SÉCURITÉ ET LES SIÈGES ENFANTS APPROPRIÉS.
Ne placez jamais un enfant dans le siège avant.
Le siège avant est conçu pour les adultes.
Si un enfant est dans le siège avant, le siège avant peut déployer et blesser ou tuer l'enfant.

15-317





PUSH
ON/OFF



PUSH
ON OFF

World of 4





MIRROR

PUSH
ON/OFF

516













SRS
AIRBAG



















TOYOTA



CAMRY









































