

# Case 437 : Narrative

Case Vehicle (A): 2002 Dodge
Type: Stratus SXT, 4-door sedan
Driver: 61-year-old female
CDC: 12-FCEN-3

## SITUATION

[1](#) [2](#) [3](#) It was daylight on a clear day and case vehicle (A) was traveling north at a driver-estimated speed of 20 mph (32 kph) on a two-lane dirt road in a rural area. The posted speed limit was 55 mph (89 kph) and the road surface was muddy due to an earlier rain. A deer entered the road from the left side [4](#) and the driver of case vehicle (A) steered to the right to avoid striking the deer. [5](#) [6](#) The vehicle departed the right side of the road and the front of the vehicle struck a 25-cm diameter tree located 1-m east of the road edge. The vehicle was towed from the scene due to damage. The police accident report indicates B-level injuries for the female driver, who was transported by ambulance to a local hospital where she was hospitalized for nine days.

## GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[7](#) Damage to the front of case vehicle (A) from impact with the tree was to the center area. [8](#) Direct damage began 22-cm from the left-front bumper corner of the vehicle and extended 25 cm to the right. The maximum frontal crush was 60 cm and it occurred just to the left of the vehicle centerline.

Using the barrier algorithm for the WinSMASH crash-reconstruction program and a crush profile measured for [9](#) [10](#) [11](#) [12](#) [13](#) case vehicle (A) at bumper level, the following impact severity was estimated for the frontal impact with the tree:

		Estimated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case vehicle (A)	delta V	36 (22)	-36 (-22)	0 (0)

## DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

### Exterior

[14](#) [15](#) In the front, the center section of the bumper, grille, and hood were crushed rearward, and both corners of the bumper cover were displaced forward from the reinforcement bar. [16](#) The left headlight assembly was shattered and the [17](#) right headlight assembly was displaced but not broken. [8](#) The center of the hood was buckled up and pushed rearward. The damaged hood latch was jammed [18](#) [19](#) and both of the hood hinges were bent up, which allowed the rear edge of the hood to elevate [20](#) and the left-rear edge of the hood contacted and cracked the windshield. [21](#) The damaged left hood hinge also contacted

and cracked the lower-left section of the windshield. [22](#) The right side of the windshield was cracked from internal contact by the deploying dash-mounted airbag.

[23 24 25 26](#) There was no damage to the left side of case vehicle (A) and there was no [27 28](#) change in the left wheelbase. [29 30 31](#) There was no damage to the right side of case vehicle (A) and there was no [32 33](#) change in the right wheelbase. [34](#) There was no damage to the rear of the vehicle.

## Interior

[35](#) This vehicle was equipped with steering-wheel and [36](#) dash-mounted frontal-impact airbags, and both deployed during the frontal impact with the tree. [35](#) In the driver area, there was no damage to the steering-wheel airbag but there were black streaks on the upper and lower sections of the fabric [37 38](#) and there was facial makeup on the center portion of the fabric. [39](#) The steering-wheel was deflected to the left and [40](#) the airbag module cover was pulled away from its upper-left attachment, [41](#) but there was no damage to, or deformation of, the steering-wheel rim. [42](#) There was no rotation of the steering column [43 44 45](#) but the windshield-wiper lever was broken from its attachment on the right side of the steering column. [46](#) There was no damage to the roof, to the roof liner, to the sunvisor, or to the upper portion of the left A-pillar. [47](#) There was also no damage to the upper or mid portions of the instrument panel but [48](#) the driver knee bolster was partially separated from its right-side attachment. [49 50 51](#) There was a dent in, and scuffmarks on, the right section of the knee bolster, [52](#) and there were scuffmarks on the left section of the bolster cover. [53](#) There was no damage to the floor in the driver area but the accelerator pedal was bent to the left. [54](#) The driver seat was undamaged but the manual seat adjuster was jammed with the seat in a mid-to-forward seat-track position.

[55](#) In the center-front area, there was no damage to the center section of the roof, to the windshield header, or to the rearview mirror. [56](#) There was no damage to the center console or to the floor-mounted console between the seats.

[57](#) In the right-front seating area, there was no damage to the roof, to the windshield header, or to the right A-pillar. [58](#) There were numerous circular-shaped cracks in the windshield from contact by the deploying dash-mounted airbag. [59](#) There were black streaks on the center of the deployed airbag but there was no damage to the module cover. There was no damage to the [60](#) glove box or [61](#) to the floor.

There were no intrusions into the occupant space of case vehicle (A).

## OCCUPANT KINEMATICS AND INJURIES

[62](#) The 157-cm, 61-kg (5-ft 2-in, 135-lb) 61-year-old female driver was **not** using the three-point belt [63](#) but the steering-wheel airbag deployed during the frontal impact with the tree. [64](#) There was no evidence of belt usage on the belt webbing, on the D-ring, or on the continuous loop of the latch plate, [65 66](#) and the pretensioner was activated with all of the webbing spooled in and jammed into the retractor, confirming that the seatbelt was not being used.

During the frontal impact, the female driver moved forward relative to the vehicle interior, into the airbag and the knee bolster. [63](#) She sustained a laceration and a contusion to the dorsal aspect of the left hand, probably from the airbag flinging her hand into an unknown part of the vehicle interior. She sustained contusions to the palmar and dorsal aspects of the right hand and a sprain to the right wrist, probably from contact with the windshield-wiper lever, [43 44 45](#) as evidenced by the fact that the lever was broken from the steering assembly, [63](#) or possibly from contact with the steering-wheel rim. She sustained a small laceration to the lateral aspect of the left knee, a fracture to the left patella, and an open

and comminuted fracture to the lateral condyle of the left femur from knee contact with the knee bolster, [51](#) [52](#) as evidenced by scuffmarks on the left section of the bolster. She sustained a 5-cm laceration to the right knee from contact with the knee bolster, [48](#) [49](#) [50](#) as evidenced by scuff marks on, and a dent in, the right section of the bolster cover. She sustained a contusion to the anterior aspect of the left ankle from an unknown source, and a contusion to the anterior aspect of the right ankle, probably from contact with the pedals, [53](#) as evidenced by the gas pedal being bent to the left.

The following table and attached drawing [67](#) summarize the injuries for the unbelted driver.

Occupant: Driver	Age: 61 years	Gender: Female		
Restraints: Steering-wheel airbag	Stature: 157 cm (5 ft, 2 in)	Mass: 61 kg (135 lb)		
Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
—	—	—	—	—
Laceration and contusion, dorsal aspect of left hand	1	—	Unknown part of interior (airbag fling)	—
Contusions, palmar and dorsal aspects of right hand	1	—	Windshield-wiper lever	Steering-wheel rim
Sprain, right wrist	1	—	Windshield-wiper lever	Steering-wheel rim
1-cm laceration, lateral aspect of left knee	1	Knee bolster	—	—
Open and comminuted fracture, lateral condyle of left femur	3	Knee bolster	—	—
Fracture, left patella	2	Knee bolster	—	—
5-cm laceration, right knee	1	Knee bolster	—	—
Contusion, anterior aspect of left ankle	1	Unknown	—	—
Contusion, anterior aspect of right ankle	1	—	Pedals	—
Maximum A.I.S. Level	3	—	—	—
Injury Severity Score	10	—	—	—

CASE NO.: 437

CASE VEHICLE: 2002 Dodge

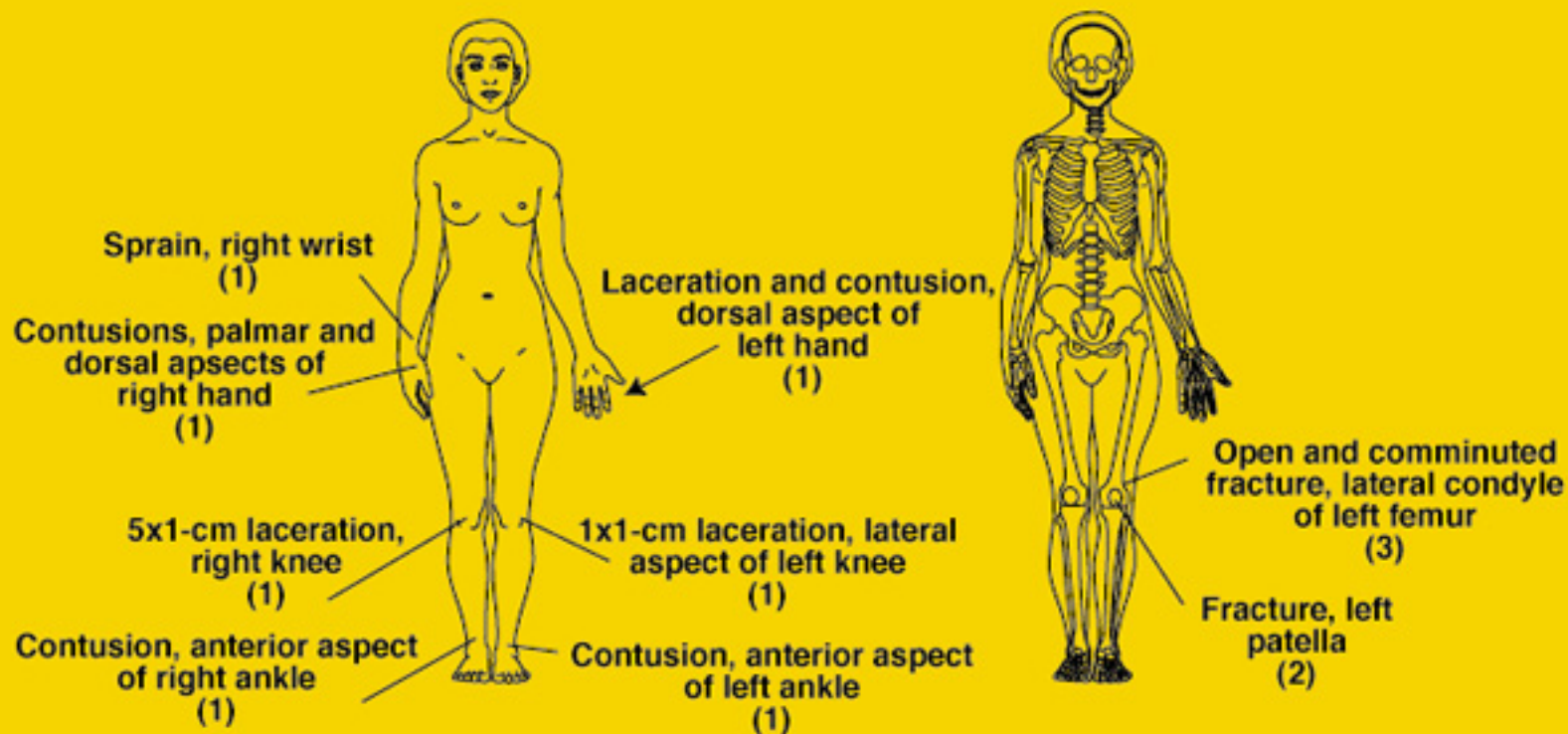
TYPE: Stratus SXT, 4-door sedan

OCCUPANT: (Driver) 61-year-old female

STATURE: 157 cm (5 ft 2 in)      MASS: 61 kg (135 lb)

RESTRAINTS: Steering-wheel airbag

SEVERITY:    MAIS - 3                    ISS - 10



Case No.: 437  
Case Veh. (A): 2002 Dodge  
Type: Stratus SXT, 4-door sedan  
Driver: 61-year-old female

Weather: Clear  
Road Surface: Muddy  
Road Construction: Dirt  
Light Condition: Daylight

NORTH →

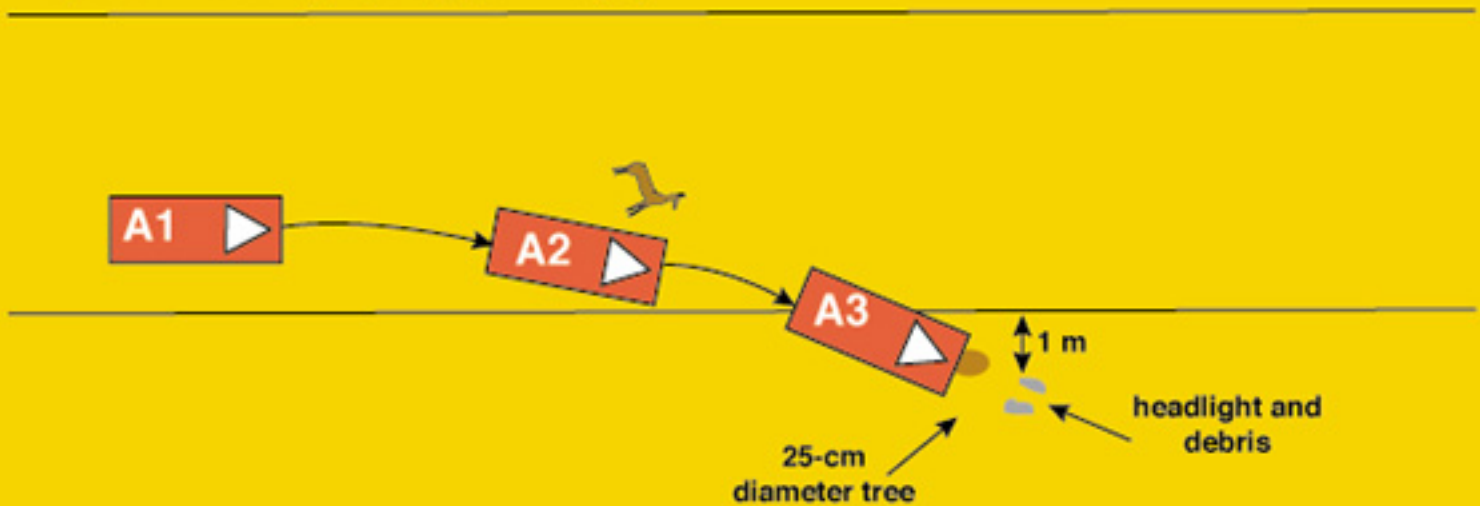
speed limit 55 mph (89 kph)



25-cm  
diameter tree

1 m

headlight and  
debris



# Case # 437: Vehicle Report

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## General Information

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0201	Collision Month	02	February	<a href="#">more</a>
V0202	Collision Day	25	Actual day of the month	<a href="#">more</a>
V0203	Collision Year	2004	2004	<a href="#">more</a>
V0204	Collision Hour	0915	Time of day (24 hour clock)	<a href="#">more</a>
V0205	State Fips Code	26	Michigan	<a href="#">more</a>
V0206	Urban/rural Area	2	Rural	<a href="#">more</a>
V0207	Limited Access Highway	0	No	<a href="#">more</a>
V0208	Road Total Lanes	2	2 lanes	<a href="#">more</a>
V0209	Intersect Road Total Lanes	8	Not applicable	<a href="#">more</a>
V0210	Trafficway Flow	0	Not physically divided - two way traffic	<a href="#">more</a>
V0211	Road Surface Type	3	Gravel	<a href="#">more</a>

V0212	Road Defects	0	No	<a href="#">more</a>
V0213	Construction Zone	0	No	<a href="#">more</a>
V0214	Road Alignment Vertical Plane	1	Level	<a href="#">more</a>
V0215	Road Alignment Horizontal Plane	1	Straight	<a href="#">more</a>
V0216	Surface Covering	71	Other	<a href="#">more</a>
V0217	Visibility Limitation	0	None	<a href="#">more</a>
V0218	Visibility Obstruction	0	None	<a href="#">more</a>
V0219	Speed Limit	6	86-90 km/h .. 55 mph	<a href="#">more</a>
V0220	Precipitation Type	0	None	<a href="#">more</a>
V0221	Precipitation Rate	8	Not applicable	<a href="#">more</a>
V0222	Temperature	9	Unknown	<a href="#">more</a>
V0223	Crosswind	9	Unknown	<a href="#">more</a>
V0224	Light Conditions	1	Daylight	<a href="#">more</a>
V0225	Mechanical Malfunction Mention	0	No	<a href="#">more</a>
V0226	Case Vehicle And Object	4	Yes, fixed object off-road	<a href="#">more</a>
V0227	Case Vehicle Rollover	0	No	<a href="#">more</a>
V0228	Rollover Location	0	No rollover	<a href="#">more</a>
V0229	Roll Direction	0	No rollover	<a href="#">more</a>
V0230	Rollover Initiation Type	0	No rollover	<a href="#">more</a>
V0231	Rollover Number Of Turns	0	No rollover	<a href="#">more</a>
V0232	Case Vehicle Preimpact Braking	9	Unknown	<a href="#">more</a>
V0233	Case Vehicle Preimpact Stability	2	Case vehicle rotating (yawing) CW before impact	<a href="#">more</a>
V0234	Case Vehicle Ran Off Roadway	1	Yes	<a href="#">more</a>
V0235	Moving Case Vehicle Contacted Moving Vehicle	0	No	<a href="#">more</a>
V0236	Case Vehicle Contacted Stopped Vehicle	0	No	<a href="#">more</a>
V0237	Stopped Case Vehicle Contacted Vehicle	0	No	<a href="#">more</a>
V0238	Total Vehicles Hit By Case Vehicle	0	0 vehicles	<a href="#">more</a>
V0239	Any Fire In Crash?	0	No	<a href="#">more</a>
V0240	Maximum Police Severity-acc	2	B - Non-Incapacitating Injury	<a href="#">more</a>

V0241	Driver Alcohol Involvmnt	0	Had not been drinking	<a href="#">more</a>
V0242	Driver Alcohol BAC (Case Vehicle)	8.0	No test	<a href="#">more</a>
V0243	Driver Impairment Mention	0	No	<a href="#">more</a>
V0244	Driver Distraction	01	Attentive or not distracted	<a href="#">more</a>
V0245	Driver Drug Involvement	0	None	<a href="#">more</a>
V0246	Driver Drug Type	0	No drug use	<a href="#">more</a>
V0247	Driven/towed From Scene	2	Towed Due to Damage	<a href="#">more</a>

## Other Vehicle

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0301	Other Vehicle VIN	0 xxxxxxx		<a href="#">more</a>
V0302	Other Vehicle Manufacturer/Body Code	99898	—	—
V0303	Other Vehicle Manufacturer	998	No Other Vehicle	<a href="#">more</a>
V0304	Other Vehicle Body Code	98	No Other Vehicle	<a href="#">more</a>
V0305	Other Vehicle Make/model	0000	No other vehicle	<a href="#">more</a>
V0306	Other Vehicle Model Year	00	Year	<a href="#">more</a>
V0307	Other Vehicle Mass	000000 kg	No Other Vehicle	<a href="#">more</a>
V0308	Other Vehicle Number	8	No other vehicle	<a href="#">more</a>
V0309	Other Vehicle Number of Occupants	98	No Other Vehicle	<a href="#">more</a>
V0310	Other Vehicle Traveling Speed	990	No Other Vehicle	<a href="#">more</a>
V0311	Highest Police Injury Severity	8	No Other Vehicle	<a href="#">more</a>
V0312	Other Vehicle Type	98	No Other Vehicle	<a href="#">more</a>
V0313	Other Vehicle Wheelbase in Centimeters	998	No Other Vehicle	<a href="#">more</a>
V0314	Other Vehicle Average Track Width	998	No Other Vehicle	<a href="#">more</a>
V0315	Other Vehicle Overall Length	998	No Other Vehicle	<a href="#">more</a>
V0316	Other Vehicle Overall Width (OAW)	998	No Other Vehicle	<a href="#">more</a>
V0317	Other Vehicle Front Overhang	998	No Other Vehicle	<a href="#">more</a>



V0318	Other Vehicle Rear Overhang	998	No Other Vehicle	<a href="#">more</a>
V0319	Other Vehicle Undeformed End Width (UEW)	998	No Other Vehicle	<a href="#">more</a>
V0320	Other Vehicle Engine Displacement	0.0 l	No Other Vehicle	<a href="#">more</a>
V0321	Other Vehicle Engine: Number of Cylinders	98	No Other Vehicle	<a href="#">more</a>
V0322	Other Vehicle Direct Damage Length (DDL)	998	No Other Vehicle	<a href="#">more</a>
V0323	Other Vehicle Front-End Overlap	99	Missing or Not applicable	<a href="#">more</a>
V0324	Other Vehicle - Vehicle Overlap	99	Missing or Not applicable	<a href="#">more</a>

### Case Vehicle General

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0401	VIN	1B3EL46X23XXXXXXX	<a href="#">Click for Case Vehicle figure</a>	<a href="#">more</a>
V0402	Manufacturer/Body Code	13228	—	—
V0403	Vehicle Manufacturer	132	Dodge	<a href="#">more</a>
V0404	Vehicle Body Code	28	Intermediate 105-109.9 in. wb.	<a href="#">more</a>
V0405	Make/model Code	0766	Stratus	<a href="#">more</a>
V0406	Model Year	2002	Model year	<a href="#">more</a>
V0407	Vehicle Mass	001396 kg	Mass (Kg)	<a href="#">more</a>
V0408	Odometer Reading	888888	—	—
V0409	Number of Occupants	01	1 occupant	<a href="#">more</a>
V0410	Traveling Speed	032 kph	Speed (km/h)	<a href="#">more</a>
V0411	Body Type	14	4-door sedan	<a href="#">more</a>
V0412	Stolen Vehicle	8	Not currently collected	<a href="#">more</a>
V0413	Body Structure	2	Unitized	<a href="#">more</a>
V0414	Transmission Type	1	Automatic	<a href="#">more</a>
V0415	Transmission Lever Location	2	Console	<a href="#">more</a>
V0416	Steering	1	Power	<a href="#">more</a>
V0417	Brakes	1	Power	<a href="#">more</a>
V0418	Brake Type	2	Disc - front wheels	<a href="#">more</a>
V0419	Adjustable Pedals?	0	No	<a href="#">more</a>

V0420	Brake Anti-lock Device	1	Two-wheel	<a href="#">more</a>
V0421	Air Conditioning in Vehicle	8	Not currently collected	<a href="#">more</a>
V0422	Drive Type	2	Front wheel	<a href="#">more</a>
V0423	Dual Rear Wheels	0	No	<a href="#">more</a>
V0424	Original Restraint System Type	3	Air bag	<a href="#">more</a>
V0425	Equipped With Roll Bar	0	No	<a href="#">more</a>
V0426	Roof Type	1	Solid	<a href="#">more</a>
V0427	Case Vehicle Wheelbase in Centimeters	274 cm	Actual Wheelbase	<a href="#">more</a>
V0428	Anti-lacerative Glass	8	Not Collected	<a href="#">more</a>
V0429	Case Vehicle average track Width	153 cm	actual measurement (cm)	<a href="#">more</a>
V0430	Case Vehicle Overall Length	473 cm	actual measurement (cm)	<a href="#">more</a>
V0431	Case Vehicle Overall Width (OAW)	182	actual measurement (cm)	<a href="#">more</a>
V0432	Case Vehicle Front Overhang	094 cm	actual measurement (cm)	<a href="#">more</a>
V0433	Case Vehicle Rear Overhang	105 cm	actual measurement (cm)	<a href="#">more</a>
V0434	Case Vehicle Undeformed End Width (UEW)	154 cm	actual measurement (cm)	<a href="#">more</a>
V0435	Case Vehicle Engine Displacement	2.4 l	Liters	<a href="#">more</a>
V0436	Case Vehicle Engine: Number of Cylinders	04	number of cylinders	<a href="#">more</a>
V0437	Case Vehicle Direct Damage Length (DDL)	999	Unknown	<a href="#">more</a>
V0438	Case Vehicle Front-end Overlap	99	Missing or Not applicable	<a href="#">more</a>
V0439	Case Vehicle - Vehicle Overlap	99	Missing or Not applicable	<a href="#">more</a>

### Case Vehicle Damage Description

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Variable	Variable Name	Code	Code Description	Other
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<b>Number</b>		<b>Value</b>		<b>Options</b>
V0501	Maximum Sheet Metal Crush - Front	060 cm	Depth of Crush (cm)	<a href="#">more</a>
V0502	Maximum Sheet Metal Crush - Rear	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0503	Maximum Sheet Metal Crush - Roof	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0504	Maximum Sheet Metal Crush - Right Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0505	Maximum Sheet Metal Crush - Left Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0506	Maximum Sheet Metal Crush - Other	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0507	Seq In Chronological Ord	1	Yes	<a href="#">more</a>
V0508	Event 1 -impact Location	4	Outside Roadside right-of-way	<a href="#">more</a>
V0509	Event 1 -Impact Configuration	17	FRONT of case veh - object	<a href="#">more</a>
V0510	Event 1 -Object/Vehicle Contactd	77	Sign post, utility pole, tree	<a href="#">more</a>
V0511	Event 2 -impact Location	8	No 2nd event	<a href="#">more</a>
V0512	Event 2 -Impact Configuration	88	No 2nd event	<a href="#">more</a>
V0513	Event 2 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0514	Event 3 -impact Location	8	No 3rd event	<a href="#">more</a>
V0515	Event 3 -Impact Configuration	88	No 3rd event	<a href="#">more</a>
V0516	Event 3 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0517	Event 4 -impact Location	8	No 4th event	<a href="#">more</a>
V0518	Event 4 -Impact Configuration	88	No 4th event	<a href="#">more</a>
V0519	Event 4 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0520	Event 5 -impact Location	8	No 5th event	<a href="#">more</a>
V0521	Event 5 -Impact Configuration	88	No 5th event	<a href="#">more</a>
V0522	Event 5 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0523	Event 6 -impact Location	8	No 6th event	<a href="#">more</a>
V0524	Event 6 -Impact Configuration	88	No 6th event	<a href="#">more</a>

V0525	Event 6 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0526	Event 7 -impact Location	8	No 7th event	<a href="#">more</a>
V0527	Event 7 -Impact Configuration	88	No 7th event	<a href="#">more</a>
V0528	Event 7 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0529	Primary CDC Case Vehicle - event Number	1	Event 1	<a href="#">more</a>
V0530	Primary CDC Case Vehicle - Impact Speed (kph)	998	Not Applicable	<a href="#">more</a>
V0531	Primary CDC Case Vehicle- estimatr	1	Investigator	<a href="#">more</a>
V0532	Primary CDC Case Vehicle - Crush (CM)	060	Crush measurements in cm	<a href="#">more</a>
V0533	Primary CDC Case Vehicle- clock #1	12	12 o'clock	<a href="#">more</a>
V0534	Primary CDC Case Vehicle- Letter 1 #1	06	F - Front	<a href="#">more</a>
V0535	Primary CDC Case Vehicle- Letter 2 #1	03	C - Center (Front or Rear)	<a href="#">more</a>
V0536	Primary CDC Case Vehicle- Letter 3 #1	05	E - Everything below belt line	<a href="#">more</a>
V0537	Primary CDC Case Vehicle- Letter 4 #1	14	N - Narrow impact area	<a href="#">more</a>
V0538	Primary CDC Case Vehicle - Extent #1	3	—	—
V0539	Primary CDC - Contacted Vehicles Assoc CDC - CDC #1	12FCEN3	—	—
V0540	Primary CDC Case Vehicle- clock #2	98	Not Applicable	<a href="#">more</a>
V0541	Primary CDC Case Vehicle- Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0542	Primary CDC Case Vehicle- Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0543	Primary CDC Case Vehicle- Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0544	Primary CDC Case Vehicle- Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0545	Primary CDC Case Vehicle - Extent #2	0	—	—
	Primary CDC - Case Vehicle			

V0546	Assoc CDC - CDC #2	9800000	—	—
V0547	Primary CDC Contacted Vehicle - Impact Speed (kph)	998	Not Applicable	<a href="#">more</a>
V0548	Primary CDC Contacted Vehicle-estimator	1	Investigator	<a href="#">more</a>
V0549	Primary CDC Contacted Vehicle - Crush (CM)	998	Not Applicable	<a href="#">more</a>
V0550	Primary CDC Contacted Vehicle-clock #1	98	Not Applicable	<a href="#">more</a>
V0551	Primary CDC Contacted Vehicle-Letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0552	Primary CDC Contacted Vehicle-Letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0553	Primary CDC Contacted Vehicle-Letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0554	Primary CDC Contacted Vehicle-Letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0555	Primary CDC Contacted Vehicle - Extent #1	0	—	—
V0556	primary CDC - Contacted Vehicles Assoc CDC - CDC #1	9800000	—	—
V0557	Primary CDC Contacted Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0558	Primary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0559	Primary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0560	Primary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0561	Primary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
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	8	Not applicable	<a href="#">more</a>
V0565	Secondary CDC Case Vehicle - Impact Speed (kph)	998	Not Applicable	<a href="#">more</a>
V0566	Secondary CDC Case	8	Not applicable (no vehicle/no impact)	<a href="#">more</a>

	Vehicle-estimator			
V0567	Secondary CDC Case Vehicle - Crush (CM)	998	Not Applicable	<a href="#">more</a>
V0568	Secondary CDC Case Vehicle-clock #1	98	Not Applicable	<a href="#">more</a>
V0569	Secondary CDC Case Vehicle-Letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0570	Secondary CDC Case Vehicle-Letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0571	Secondary CDC Case Vehicle-Letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0572	Secondary CDC Case Vehicle-Letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0573	SECONDARY CDC CASE VEHICLE - EXTENT #1	0	—	—
V0574	Secondary CDC - Case Vehicle Assoc CDC - CDC #1	9800000	—	—
V0575	Secondary CDC Case Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0576	Secondary CDC Case Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0577	Secondary CDC Case Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0578	Secondary CDC Case Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0579	Secondary CDC Case Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
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)	998	Not Applicable	<a href="#">more</a>
V0583	Secondary CDC Contacted Vehicle-estimator	8	Not applicable (no vehicle/no impact)	<a href="#">more</a>
V0584	Secondary CDC Contacted Vehicle - Crush (CM)	998	Not Applicable	<a href="#">more</a>
V0585	Secondary CDC Contacted Vehicle-clock #1	98	Not Applicable	<a href="#">more</a>
V0586	Secondary CDC Contacted Vehicle-Letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>

V0587	Secondary CDC Contacted Vehicle-Letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0588	Secondary CDC Contacted Vehicle-Letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0589	Secondary CDC Contacted Vehicle-Letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0590	Secondary CDC Contacted Vehicle - Extent #1	0	—	—
V0591	Secondary CDC - Contacted Vehicle Assoc CDC - CDC #1	9800000	—	—
V0592	Secondary CDC Contacted Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0593	Secondary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0594	Secondary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0595	Secondary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0596	Secondary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0597	Secondary CDC Contacted Vehicle - Extent #2	0	—	—
V0598	Secondary CDC - Contacted Vehicle Assoc CDC - CDC #2	9800000	—	—

## Crash Reconstruction

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0601	Primary Delta-V Case Vehicle-event #	1	Event number 1	<a href="#">more</a>
V0602	Primary Delta V Case Vehicle - Total Delta V	036 kph	kph	<a href="#">more</a>
V0603	Primary delta-V Case Vehicle -LONGITUD	-036	—	—
V0604	Primary delta-V Case Vehicle-Lateral	0000	—	—
V0605	Primary Delta V Case Vehicle - Energy Dissipated by Crush (k	0074	—	—

V0606	Primary Delta-V Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V0607	Primary Delta-V Case Vehicle- Mode	2	CDC & detailed damage	<a href="#">more</a>
V0608	Primary Delta V Contacted Vehicle - Total Delta V	888	Not Applicable	<a href="#">more</a>
V0609	Primary delta-V Contacted Vehicle-LONGITUD	8888	—	—
V0610	Primary delta-V Contacted Vehicle-Lateral	8888	—	—
V0611	Primary delta-V Contacted Vehicle - Energy Dissipated by Cru	8888	—	—
V0612	Secondary Delta-V Case Vehicle-event #	8	Not applicable	<a href="#">more</a>
V0613	Secondary Delta V Case Vehicle - Total Delta V	888	Not applicable	<a href="#">more</a>
V0614	Secondarydelta-V Case Vehicle -LONGITUD	8888	—	—
V0615	Secondary delta-V Case Vehicle-Lateral	8888	—	—
V0616	Secondary delta-V Case Vehicle - Energy Dissipated by Crush	8888	—	—
V0617	Secondary Delta-V Case Vehicle-Reconstruction	88	Not applicable	<a href="#">more</a>
V0618	Secondary Delta-V Case Vehicle- Mode	8	Not applicable	<a href="#">more</a>
V0619	Secondary Delta V Contacted Vehicle - Total Delta V	888	Not applicable	<a href="#">more</a>
V0620	Secondary delta-V Contacted Vehicle-LONGITUD	8888	—	—
V0621	Secondary delta-V Contacted Vehicle-Lateral	8888	—	—
V0622	Secondary delta-V Contacted Vehicle - Energy Dissipated By C	8888	—	—
V0623	Primary EBS Case Vehicle-event #	1	Event number 1	<a href="#">more</a>
V0624	Primary EBS Case Vehicle - Total EBS	036 kph	kph	<a href="#">more</a>



V0625	Primary EBS Case Vehicle - LONGITUD	-036	—	—
V0626	Primary EBS Case Vehicle-Lateral	0000	—	—
V0627	Primary EBS Case Vehicle - Energy Dissipated by Crush (kj)	0074	—	—
V0628	Primary EBS Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V0629	Primary EBS Case Vehicle-Mode	2	CDC & detailed damage	<a href="#">more</a>
V0630	Primary EBS Contacted Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0631	Primary EBS Contacted Vehicle-LONGITUD	8888	—	—
V0632	Primary EBS Contacted Vehicle-Lateral	8888	—	—
V0633	Primary EBS Contact Vehicle - Energy Dissipated by Crush (kj)	8888	—	—
V0634	Secondary EBS Case Vehicle-event #	8	Not applicable	<a href="#">more</a>
V0635	Secondary EBS Case Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0636	Secondary EBS Case Vehicle -LONGITUD	8888	—	—
V0637	Secondary EBS Case Vehicle-Lateral	8888	—	—
V0638	Secondary EBS Case Vehicle - Energy Dissipated by Crush (kj)	8888	—	—
V0639	Secondary EBS Case Vehicle-Reconstruction	88	Not applicable	<a href="#">more</a>
V0640	Secondary EBS Case Vehicle- Mode	8	Not applicable	<a href="#">more</a>
V0641	Secondary EBS Contacted Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0642	Secondary EBS Contacted Vehicle-LONGITUD	8888	—	—
V0643	Secondary EBS Contacted Vehicle-Lateral	8888	—	—

V0644	Secondary EBS Contact Vehicle - Energy Dissipated by Crush (	8888	—	—
V0645	Specific Event # Case(1)	1	Event number 1	<a href="#">more</a>
V0646	Plane of Impact Case Vehicle (1)	1	Bumper	<a href="#">more</a>
V0647	Direct Damage Length (DDL) - Case Vehicle (1)	025 cm	cm	<a href="#">more</a>
V0648	Direct Damage Maximum Crush - Case Vehicle (1)	060 cm	cm	<a href="#">more</a>
V0649	Direct and Induced Damage Length in CM	128 cm	cm	<a href="#">more</a>
V0650	Field C1 - Case Vehicle (1)	011 cm	cm	<a href="#">more</a>
V0651	Field C2 - Case Vehicle (1)	027 cm	cm	<a href="#">more</a>
V0652	Field C3 - Case Vehicle (1)	055 cm	cm	<a href="#">more</a>
V0653	Field C4 - Case Vehicle (1)	041 cm	cm	<a href="#">more</a>
V0654	Field C5 - Case Vehicle (1)	014 cm	cm	<a href="#">more</a>
V0655	Field C6 - Case Vehicle (1)	000 cm	No Crush	<a href="#">more</a>
V0656	Direct Damage D Value = The Center of Direct Damage Offset t	-030 cm	Offset (cm)	<a href="#">more</a>
V0657	Specific Event # Case(2)	1	Event number 1	<a href="#">more</a>
V0658	Plane of Impact Case Vehicle(2)	1	Bumper	<a href="#">more</a>
V0659	Direct Damage Length (DDL) - Case Vehicle (2)	025 cm	cm	<a href="#">more</a>
V0660	Direct Damage MaximumCrush - Case Vehicle (2)	060 cm	cm	<a href="#">more</a>
V0661	Direct and Induced Damage Length in CM	128 cm	cm	<a href="#">more</a>
V0662	Field C1 - Case Vehicle (2)	011 cm	cm	<a href="#">more</a>
V0663	Field C2 - Case Vehicle (2)	027 cm	cm	<a href="#">more</a>
V0664	Field C3 - Case Vehicle (2)	055 cm	cm	<a href="#">more</a>
V0665	Field C4 - Case Vehicle (2)	041 cm	cm	<a href="#">more</a>
V0666	Field C5 - Case Vehicle (2)	014 cm	cm	<a href="#">more</a>
V0667	Field C6 - Case Vehicle (2)	000 cm	No Crush	<a href="#">more</a>
V0668	Direct Damage D Value = The Center of Direct Damage Offset t	-030 cm	cm	<a href="#">more</a>
V0669	Specific Event # Cont(1)	9	Unknown	<a href="#">more</a>

V0670	Plane of Impact Contacted Vehicle(1)	9	Unknown	<a href="#">more</a>
V0671	Direct Damage Length (DDL) - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0672	Direct Damage Maximum Crush - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0673	Field L - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0674	Field C1 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0675	Field C2 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0676	Field C3 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0677	Field C4 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0678	Field C5 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0679	Field C6 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0680	Direct Damage D Value = The Center of Direct Damage Offset t	9999	offset (cm)	<a href="#">more</a>
V0681	Specific Event # Contacted Vehicle (2)	9	Unknown	<a href="#">more</a>
V0682	Plane of Impact Contacted Vehicle(2)	9	Unknown	<a href="#">more</a>
V0683	Direct Damage Length (DDL) - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0684	Direct Damage Maximum Crush - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0685	Direct and Induced Damage Length in CM	999	Unknown	<a href="#">more</a>
V0686	Field C1 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0687	Field C2 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0688	Field C3 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
	Field C4 - Contacted Vehicle	999		

V0689	(2)		Unknown	<a href="#">more</a>
V0690	Field C5 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0691	Field C6 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0692	Direct Damage D Value = The Center of Direct Damage Offset t	9999	Offset (cm)	<a href="#">more</a>

## Case Vehicle Tires & Rims

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0701	Left Front Wheel Damaged	0	No	<a href="#">more</a>
V0702	Right Front Wheel Damaged	0	No	<a href="#">more</a>
V0703	Right Rear Wheel Damaged	0	No	<a href="#">more</a>
V0704	Left Rear Wheel Damaged	0	No	<a href="#">more</a>
V0705	Left Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V0706	Right Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V0707	Right Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V0708	Left Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V0709	Left Front Carcass Construction	3	Radial	<a href="#">more</a>
V0710	Right Front Carcass Construction	3	Radial	<a href="#">more</a>
V0711	Right Rear Carcass Construction	3	Radial	<a href="#">more</a>
V0712	Left Rear Carcass Construction	3	Radial	<a href="#">more</a>
V0713	Left Front Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0714	Right Front Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0715	Right Rear Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0716	Left Rear Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0717	Left Front Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
	Right Front Tire Condition			

V0718	Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0719	Right Rear Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0720	Left Rear Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0721	Left Front Tire Involvement	0	No	<a href="#">more</a>
V0722	Right Front Tire Involvement	0	No	<a href="#">more</a>
V0723	Right Rear Tire Involvement	0	No	<a href="#">more</a>
V0724	Left Rear Tire Involvement	0	No	<a href="#">more</a>
V0725	Left Front Tire Size	P20560R16	—	—
V0726	Right Front Tire Size	P20560R16	—	—
V0727	Right Rear Tire Size	P20560R16	—	—
V0728	Left Rear Tire Size	P20560R16	—	—
V0729	Left Front Tire Pressure (recorded in PSI)	34.0 psi	actual tire pressure in PSI	<a href="#">more</a>
V0730	Right Front Tire Pressure (recorded in PSI)	33.5 psi	actual Tire pressure in PSI	<a href="#">more</a>
V0731	Right Rear Tire Pressure (recorded in PSI)	30.0 psi	actual Tire pressure in PSI	<a href="#">more</a>
V0732	Left Rear Tire Pressure (recorded in PSI)	31.0 psi	actual Tire pressure in PSI	<a href="#">more</a>
V0733	Left Front Tread Depth	07	07/32"	<a href="#">more</a>
V0734	Right Front Tread Depth	07	07/32"	<a href="#">more</a>
V0735	Right Rear Tread Depth	07	07/32"	<a href="#">more</a>
V0736	Left Rear Tread Depth	07	07/32"	<a href="#">more</a>

### Case Vehicle Fuel Tank

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

V0807	Aux Filler Cap Location	888	Not applicable (not equipped)	<a href="#">more</a>
V0808	Aux Tank Material	8	Not applicable	<a href="#">more</a>

### Case Vehicle Fuel Leakage

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0901	Fuel Leakage From Crash	0	No	<a href="#">more</a>

### Case Vehicle Fire

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1001	Fire In Or On Case Vehicle	0	No	<a href="#">more</a>

### Case Vehicle Exterior

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1101	Hood Latch Released	0	No	<a href="#">more</a>
V1102	Hood Latch Damaged	1	Yes	<a href="#">more</a>
V1103	Hood Latch Jammed	1	Yes	<a href="#">more</a>
V1104	Left Hood Hinge Damaged	1	Yes	<a href="#">more</a>
V1105	Left Hood Hinge Separated	0	No	<a href="#">more</a>
V1106	Right Hood Hinge Damaged	1	Yes	<a href="#">more</a>
V1107	Right Hood Hinge Separated	0	No	<a href="#">more</a>
V1108	Hood Remained On Vehicle	1	Yes	<a href="#">more</a>
V1109	Rear Hood Edge Elevated	1	Yes	<a href="#">more</a>
V1110	Edge Contacted Windshield	1	Yes	<a href="#">more</a>
V1111	Edge Penetrated Windshield	0	No	<a href="#">more</a>
V1112	Hood Latch Location	1	Front of Vehicle	<a href="#">more</a>
V1113	Eng/transmissn Mount Separated	0	No	<a href="#">more</a>
V1114	Steering Column Flex Couplng	9	Unknown if equipped	<a href="#">more</a>
V1115	Steering Column Coupling Dam	9	Unknown	<a href="#">more</a>
V1116	Steering Column Coupling Separated	9	Unknown	<a href="#">more</a>

V1117	Eng Comp Telescoping Unit	88	Not currently collected	<a href="#">more</a>
V1118	Compartment Unit's Original/telescoped Length Difference	888	Not currently collected	<a href="#">more</a>
V1119	Left Side Body Mount Separated	8	Not applicable (unitized)	<a href="#">more</a>
V1120	Upper Left A-pillar Sep	0	No	<a href="#">more</a>
V1121	Lower Left A-pillar Sep	0	No	<a href="#">more</a>
V1122	Upper Left B-pillar Sep	0	No	<a href="#">more</a>
V1123	Lower Left B-pillar Sep	0	No	<a href="#">more</a>
V1124	Upper Left C-pillar Sep	0	No	<a href="#">more</a>
V1125	Lower Left C-pillar Sep	0	No	<a href="#">more</a>
V1126	Upper Left D-pillar Sep	8	Not applicable (not equipped)	<a href="#">more</a>
V1127	Lower Left D-pillar Sep	8	Not applicable (not equipped)	<a href="#">more</a>
V1128	Left Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1129	Left Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1130	Left Front Door Jammed Closed	0	No	<a href="#">more</a>
V1131	Left Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1132	Van Left Rear Door Type	8	Not applicable (not a van)	<a href="#">more</a>
V1133	Left Front Glazing Availability	2	Closed	<a href="#">more</a>
V1134	Left Rear Glazing Availability	2	Closed	<a href="#">more</a>
V1135	Lr2 Glazing Availability	0	No glazing present	<a href="#">more</a>
V1136	Left Front Glazing Damage	0	No damage	<a href="#">more</a>
V1137	Left Rear Glazing Damage	0	No damage	<a href="#">more</a>
V1138	Lr2 Glazing Damage	8	Not Applicable (No Door)	<a href="#">more</a>
V1139	Rear Door Type	0	No door (includes pickups)	<a href="#">more</a>
V1140	Rear Door Opening Cause	8	Not applicable (no rear door)	<a href="#">more</a>
V1141	Rear Door Jammed Closed	8	Not applicable (no rear door)	<a href="#">more</a>
V1142	Rear Glazing Availability	8	Not Applicable (No Door)	<a href="#">more</a>
V1143	Rear Glazing Damage	8	Not Applicable (No Door)	<a href="#">more</a>
V1144	Luggage Partition Damaged	8	Not applicable	<a href="#">more</a>
V1145	Spare Tire Status	8	Not collected	<a href="#">more</a>
V1146	Trailer Hitch Type	0	No hitch	<a href="#">more</a>
V1147	Trailer Type	0	No trailer	<a href="#">more</a>

V1148	Rght Side Body Mount Separated	8	Not applicable (unitized)	<a href="#">more</a>
V1149	Upper Right A-pillar Separated	0	No	<a href="#">more</a>
V1150	Lower Right A-pillar Separated	0	No	<a href="#">more</a>
V1151	Upper Right B-pillar Separated	0	No	<a href="#">more</a>
V1152	Lower Right B-pillar Separated	0	No	<a href="#">more</a>
V1153	Upper Right C-pillar Separated	0	No	<a href="#">more</a>
V1154	Lower Right C-pillar Separated	0	No	<a href="#">more</a>
V1155	Upper Right D-pillar Separated	8	Not applicable (not equipped)	<a href="#">more</a>
V1156	Lower Right D-pillar Separated	8	Not applicable (not equipped)	<a href="#">more</a>
V1157	Right Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1158	Right Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1159	Right Front Door Jammed Closed	0	No	<a href="#">more</a>
V1160	Right Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1161	Van Right-rear Door Type	8	Not applicable (not a van)	<a href="#">more</a>
V1162	Right Front Glazing Availability	2	Closed	<a href="#">more</a>
V1163	Right Rear Glazing Availability	2	Closed	<a href="#">more</a>
V1164	Rr2 Glazing Availability	0	No glazing present	<a href="#">more</a>
V1165	Right Front Glazing Damage	0	No damage	<a href="#">more</a>
V1166	Right Rear Glazing Damage	0	No damage	<a href="#">more</a>
V1167	Rr2 Glazing Damage	8	Not Applicable (No Door)	<a href="#">more</a>
V1168	Windshield Cracked	1	Yes	<a href="#">more</a>
V1169	Windshield Broken	0	No <a href="#">Click for Windshield Damage figure</a>	<a href="#">more</a>
V1170	Occupant Cracked/Broke Wndshld	0	No	<a href="#">more</a>
V1171	Bond Separation Extent	0	None	<a href="#">more</a>
V1172	Windshield Code	97	<a href="#">Click for Windshield Mark figure</a>	<a href="#">more</a>



V1173	Did Sun Roof/T-Roof Open	8	Not Applicable	<a href="#">more</a>
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### Case Vehicle Steering Column/Rim

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1201	Steering Wheel Rim Damage	0	None	<a href="#">more</a>
V1202	Number of Steering Wheel Spokes	4	4 spokes	<a href="#">more</a>
V1203	Steering Wheel Spoke Damage	0	None	<a href="#">more</a>
V1204	Steering Wheel Hub Damage	0	None	<a href="#">more</a>
V1205	Steering Wheel Location of Rim Damage	0	No damage	<a href="#">more</a>
V1206	Aftermarket Add-on Device	0	None	<a href="#">more</a>
V1207	Column Tilt Feature	1	Yes, equipped	<a href="#">more</a>
V1208	Column Swing-away Feature	0	Not equipped	<a href="#">more</a>
V1209	Column Telescoping Feature	0	Not equipped	<a href="#">more</a>
V1210	Wheel Energy Absorb Device	8	Not currently collected	<a href="#">more</a>
V1211	Wheel EA Device's original/damage Dimension Difference	888	Not collected	<a href="#">more</a>
V1212	Column Energy Absorb Device	88	Not collected	<a href="#">more</a>
V1213	Col EA Device's Orig/compressed (or Extruded) Length Diff	888	Not collected	<a href="#">more</a>
V1214	Shear Capsule Separation	888	Not collected	<a href="#">more</a>
V1215	Column Vertical Rotation	0	No apparent rotation	<a href="#">more</a>
V1216	Column Lateral Rotation	0	No apparent rotation	<a href="#">more</a>

### Case Vehicle Intrusion

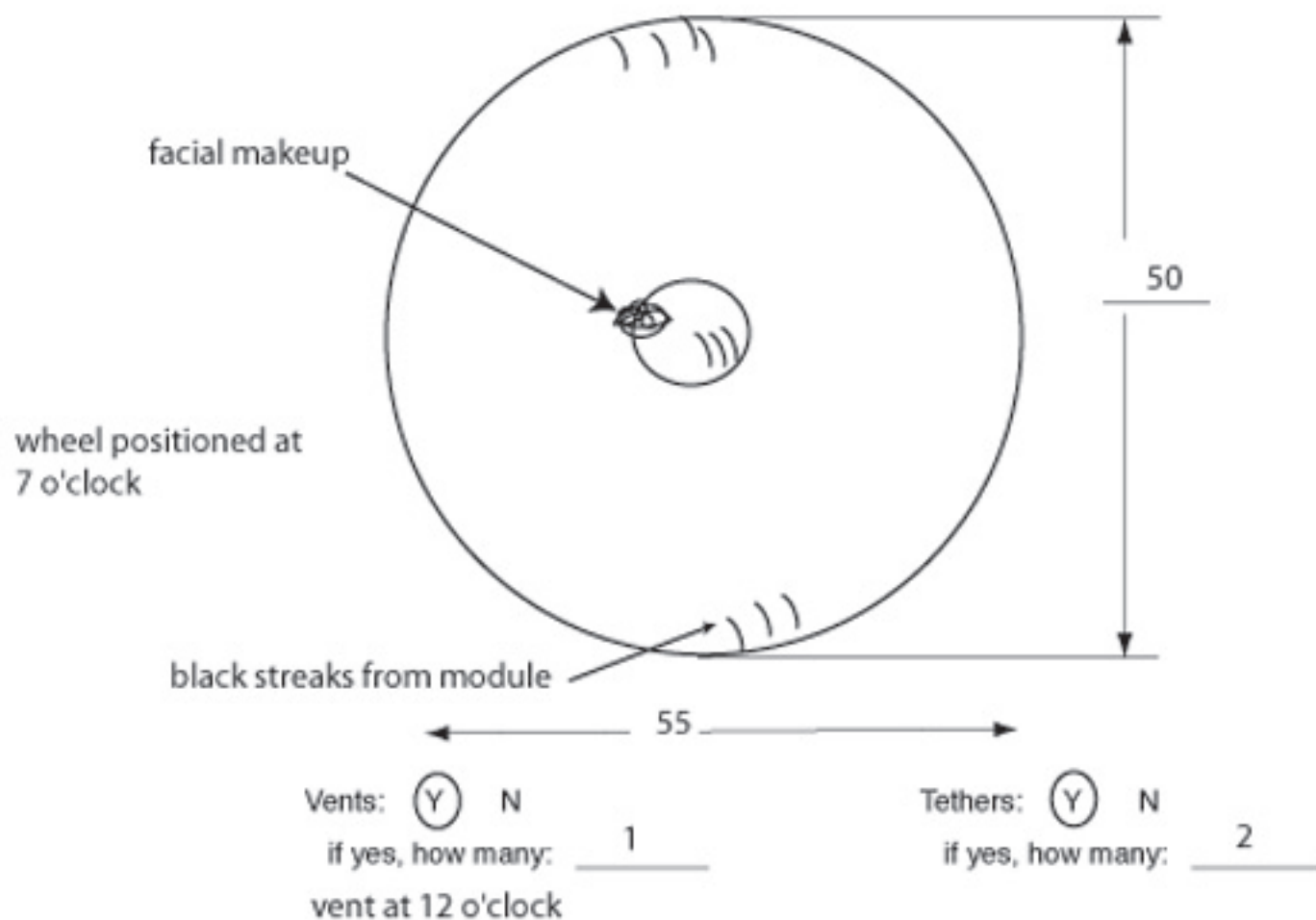
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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1301	Was Occupant Compartment Intruded	0	No <a href="#">Click for Intrusion Worksheet figure</a> <a href="#">Click for Intrusion figure</a>	<a href="#">more</a>
V1302	Was Intrusn Catastrophic	8	Not applicable	<a href="#">more</a>
V1303	Intrusion #1	0	—	—
V1304	Occupant Space #(1)	0	—	—

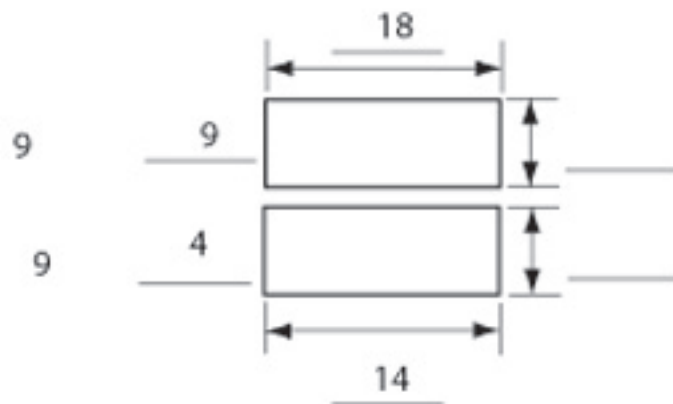
V1305	Intruding Component or Object	0	—	—
V1306	Associate Event Numb (1)	0	No Intrusion, None	<a href="#">more</a>
V1307	Maximum Intrusion X Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1308	Maximum Intrusion Y Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1309	Maximum Intrusion Z Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1310	Occupant #1 (1)	0	—	—
V1311	Injury #1 (1)	0	—	—
V1312	Occupant #2 (1)	0	—	—
V1313	Injury #2 (1)	0	—	—
V1314	Intrusion #2	0	—	—
V1315	Occupant Space #(2)	0	—	—
V1316	Intruding Component or Object	0	—	—
V1317	Associate Event Numb (2)	0	No Intrusion, None	<a href="#">more</a>
V1318	Maximum Intrusion X Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1319	Maximum Intrusion Y Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1320	Maximum Intrusion Z Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1321	Occupant #1 (2)	0	—	—
V1322	Injury #1 (2)	0	—	—
V1323	Occupant #2 (2)	0	—	—
V1324	Injury #2 (2)	0	—	—
V1325	Intrusion #3	0	—	—
V1326	Occupant Space #(3)	0	—	—
V1327	Intruding Component or Object	0	—	—
V1328	Associate Event Numb (3)	0	No Intrusion, None	<a href="#">more</a>
V1329	Maximum Intrusion X Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1330	Maximum Intrusion Y Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1331	Maximum Intrusion Z Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1332	Occupant #1 (3)	0	—	—
V1333	Injury #1 (3)	0	—	—
V1334	Occupant #2 (3)	0	—	—
V1335	Injury #2 (3)	0	—	—
V1336	Intrusion #4	0	—	—

V1337	Occupant Space #(4)	0	—	—
V1338	Intruding Component or Object	0	—	—
V1339	Associate Event Numb (4)	0	No Intrusion, None	<a href="#">more</a>
V1340	Maximum Intrusion X Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1341	Maximum Intrusion Y Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1342	Maximum Intrusion Z Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1343	Occupant #1 (4)	0	—	—
V1344	Injury #1 (4)	0	—	—
V1345	Occupant #2 (4)	0	—	—
V1346	Injury #2 (4)	0	—	—
V1347	Intrusion #5	0	—	—
V1348	Occupant Space #(5)	0	—	—
V1349	Intruding Component or Object	0	—	—
V1350	Associate Event Numb (5)	0	No Intrusion, None	<a href="#">more</a>
V1351	Maximum Intrusion X Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1352	Maximum Intrusion Y Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1353	Maximum Intrusion Z Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1354	Occupant #1 (5)	0	—	—
V1355	Injury #1 (5)	0	—	—
V1356	Occupant #2 (5)	0	—	—
V1357	Injury #2 (5)	0	—	—
V1358	Intrusion #6	0	—	—
V1359	Occupant Space #(6)	0	—	—
V1360	Intruding Component or Object	0	—	—
V1361	Associate Event Numb (6)	0	No Intrusion, None	<a href="#">more</a>
V1362	Maximum Intrusion X Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1363	Maximum Intrusion Y Axis	0 cm	Intrusion (cm)	<a href="#">more</a>
V1364	Maximum Intrusion Z Axis	0 cm	Intrusion (cm)	<a href="#">more</a>

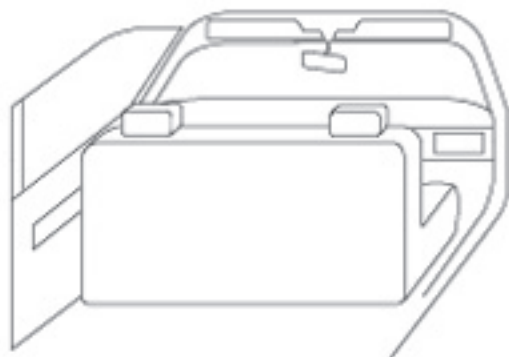
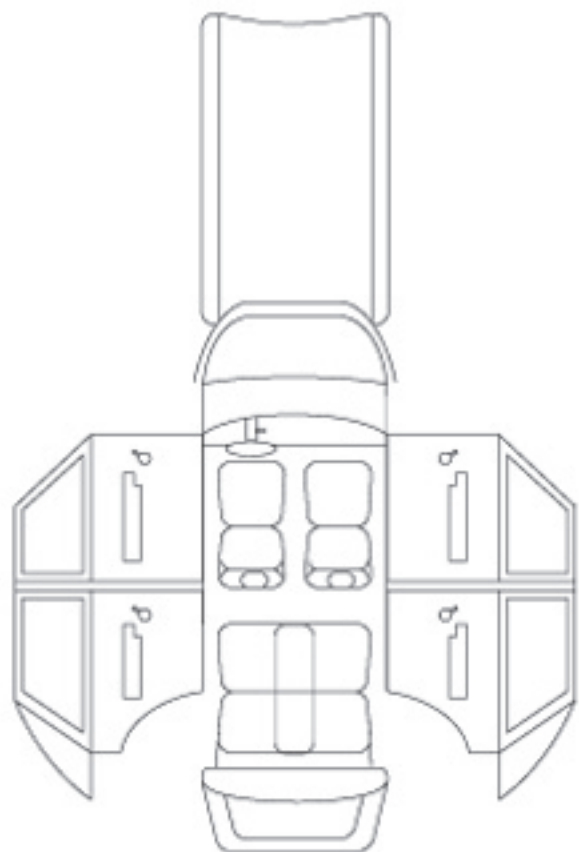
### Driver Airbag



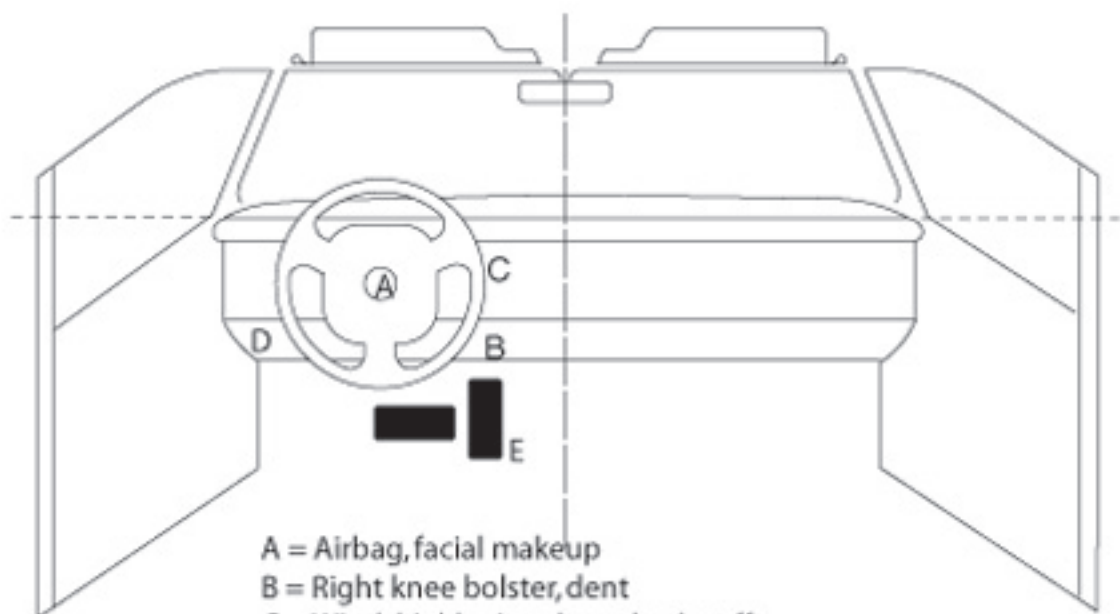
### Driver Airbag Doors



H-Pattern



No belt use; pretensioner with no slack



- A = Airbag, facial makeup
- B = Right knee bolster, dent
- C = Windshield-wiper lever, broke off
- D = Left side of knee bolster, scuff
- E = Gas pedal, bent to left

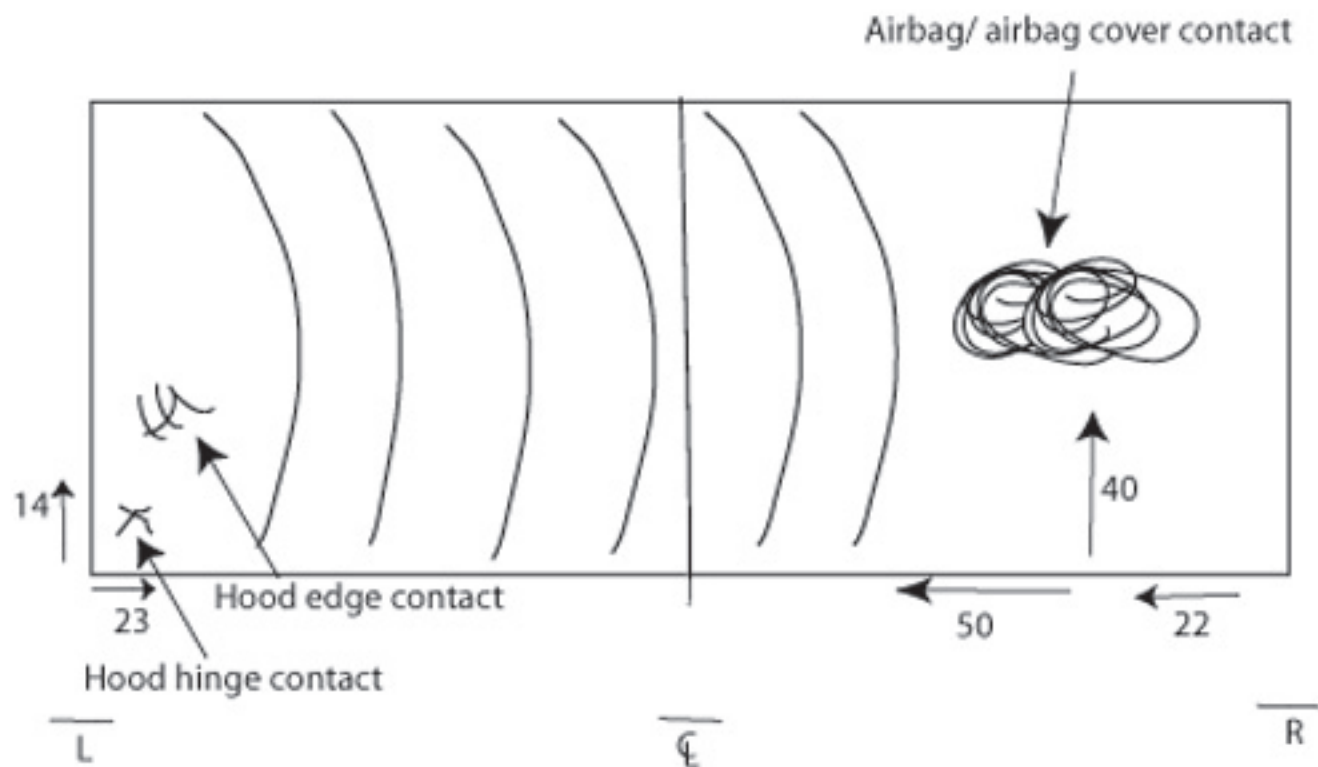
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)			Dominant Crush Direction
		Comparison Value	Intruded Value	Intrusion	
		–	=		
		–	=		
		–	=		
		–	=		
		–	=		
		–	=		
		–	=		
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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	Airbag	1	Face	Facial makeup	1
B	Right knee bolster	1	Knee	Dent	1
C	Windshield-wiper lever	1	Hand	Broke off	1
D	Left knee bolster	1	Knee	Scuff	1
E	Gas pedal	1	Foot	Bent to left	1
F					



WINDSHIELD MARK ON CASE VEHICLE:



SAFEGUARD

" DOT18 PPG M405T

ASI 21

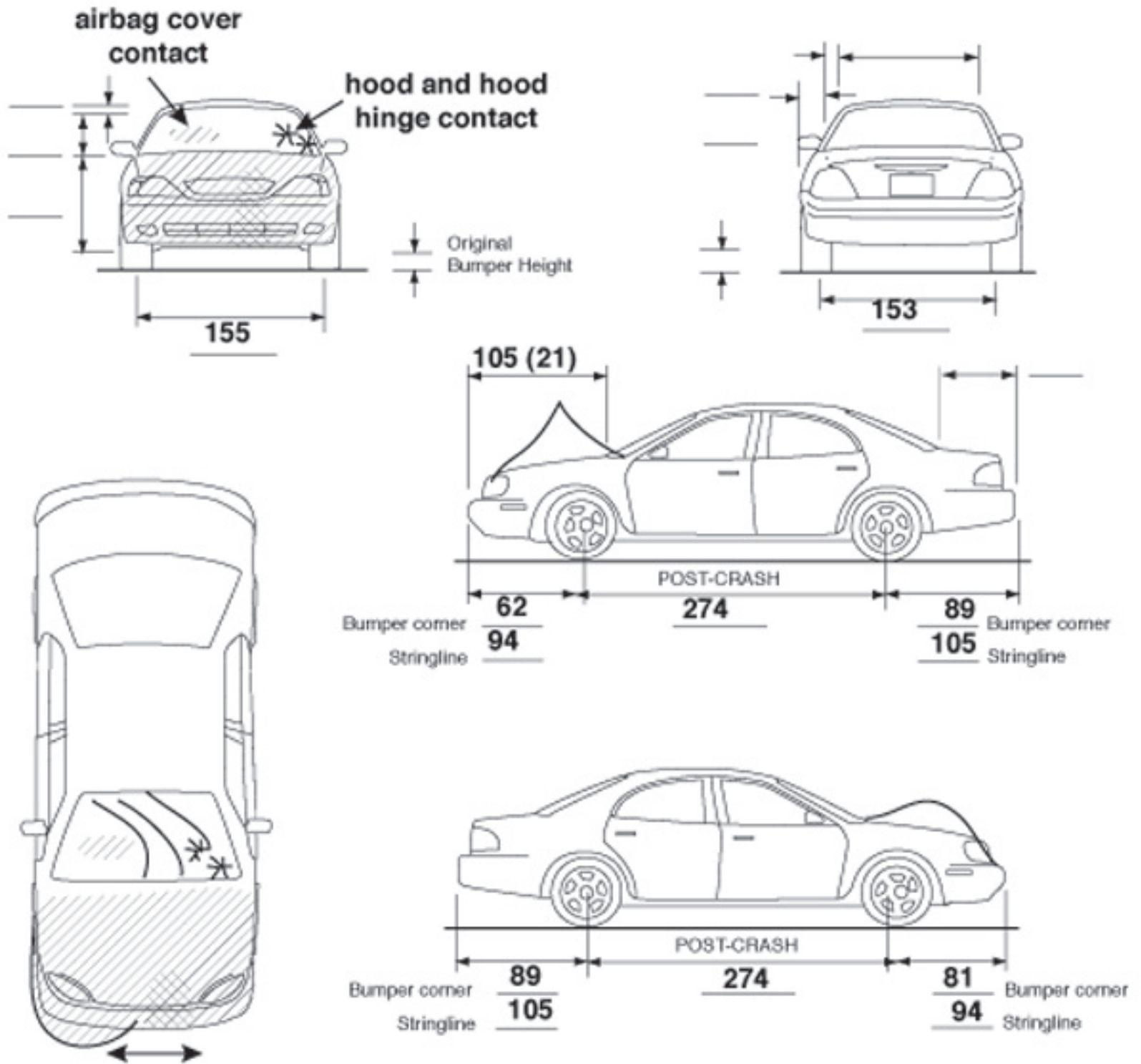


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1 2 4

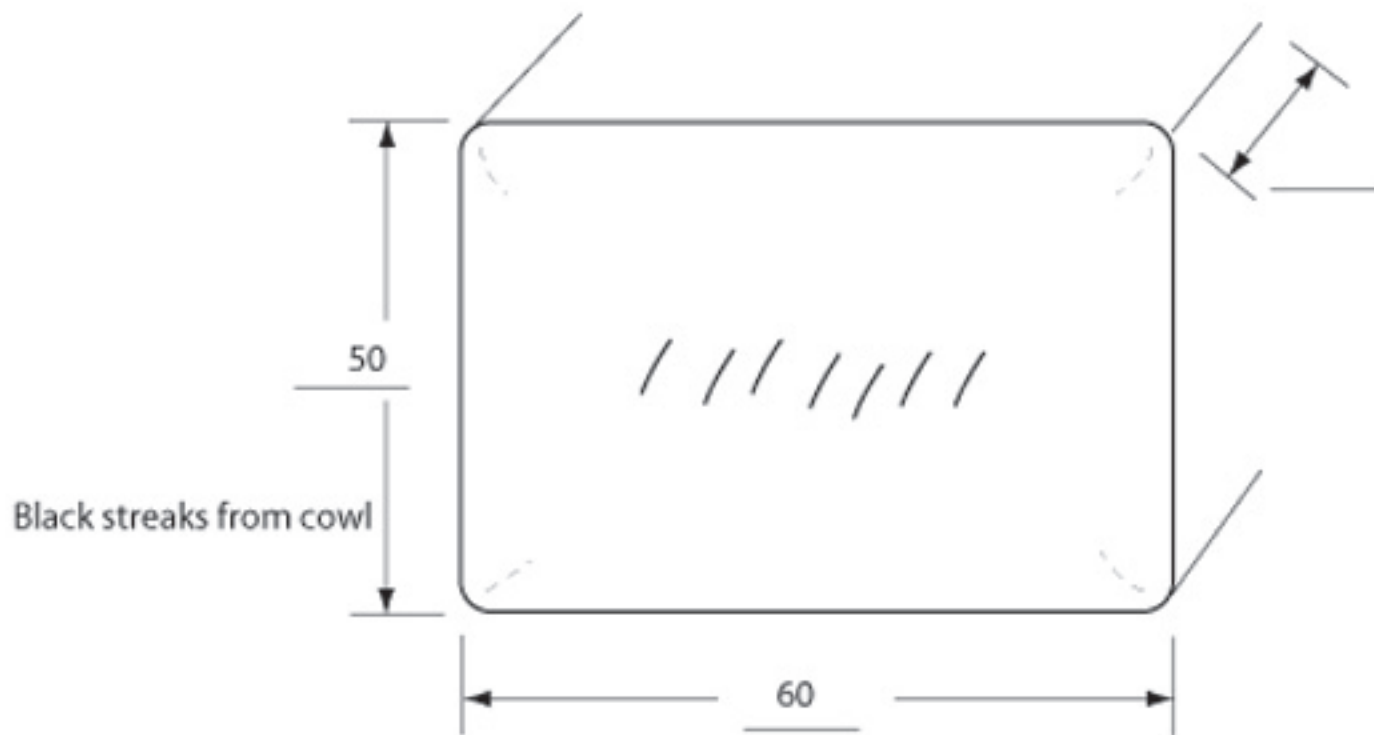


MEASUREMENTS IN CENTIMETERS



25-cm direct damage  
60-cm max crush

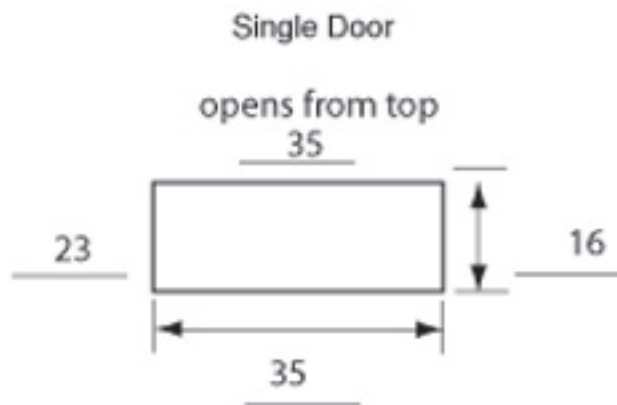
### Passenger Airbag



Vents: Y  N  
if yes, how many: \_\_\_\_\_

Tethers: Y  N  
if yes, how many: \_\_\_\_\_

### Passenger Airbag Doors



















**WARNING**  
DEATH OR SERIOUS  
INJURY CAN OCCUR

DO NOT REMOVE THIS LABEL. IT CONTAINS IMPORTANT INFORMATION.  
SEE THE OWNER'S MANUAL FOR MORE INFORMATION.  
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**WARNING**  
DO NOT REMOVE  
OR COVER THIS LABEL



























**WARNING**  
DO NOT COVER YOUR VEHICLE'S SUN VISOR





























O'HARA

















P205/60R16 51T

GOODYEAR ASSURANCE

M+S

TRAC

MADE IN USA

100% COTTON

100% COTTON

100% COTTON

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