

# Case 470 : Narrative

Case Vehicle (A): 2003 Saturn
Type: Vue, 4-door SUV
Driver: 56-year-old female
CDC: 12-FDEW-3

## SITUATION

[1](#) [2](#) It was daylight and foggy, and the asphalt surface of the north-south road with a posted speed of 55 mph (89 kph) was wet. Case vehicle (A) was traveling north in the northbound lane at a driver-estimated speed of 45 mph (72 kph) when [3](#) it crossed the centerline and the southbound lane for an unknown reason and [4](#) exited the west edge of the road. [5](#) The case vehicle entered a grassy ditch located about 8 meters west of the road edge and continued to travel north for approximately 63 meters [6](#) [7](#) until the front end struck a brick and concrete residential driveway embankment. The vehicle came to rest and was towed from the scene due to damage.

The police accident report indicates A-level injuries for the female driver of case vehicle (A) who was transported to a local hospital, where she was hospitalized for thirty-five days.

## GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[8](#) [9](#) Damage to case vehicle (A) was moderate and direct damage extended 160-cm across the entire front end. The maximum rearward crush was 49 cm and it occurred 24 cm to the left of the right-front bumper corner.

[10](#) [11](#) [12](#) [13](#) [14](#) Using the WinSMASH crash-reconstruction program and a crush profile measured for case vehicle (A), the following impact severity was estimated for the full-frontal impact:

Vehicle	Variable	Estimated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case vehicle (A)	EBS	43 (27)	-43 (-27)	0 (0)

## DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

### Exterior

[15](#) [16](#) [17](#) In the front, the bumper cover was crushed and separated at the right attachment but the left side was still attached. [18](#) [19](#) The bumper reinforcement bar was crushed rearward into the grille and engine compartment, both headlight assemblies were damaged, and both headlamps were shattered. [20](#) The hood latch was jammed but the fire department had cut a hole in the center section of the hood to gain access to the battery. [21](#) There was no direct crash-related damage to the hood but it was slightly

elevated although [22](#) [23](#) there was no damage to the hood hinges. [24](#) [25](#) There was no damage to the windshield.

[26](#) On the right side, the fender was slightly buckled, the [27](#) front wheel was pushed into the rear section of the fender, the tire was completely deflated, and the right wheelbase was reduced by 19 cm. [28](#) Both right-side doors were undamaged and operational but [29](#) the window in the rear door was shattered. There was no damage to the [30](#) right quarter panel or to the [31](#) right-rear wheel.

[32](#) On the left side, the front section of the fender was broken and the rear section was pushed rearward into the door panel. [33](#) The front tire was not damaged but the axle was pushed slightly rearward, which reduced the left wheelbase by 6 cm. [34](#) The driver door would not close completely but the door was not damaged and the window was intact. [35](#) [36](#) There was no other damage to the left side and [37](#) there was no damage to the rear of case vehicle (A).

## Interior

[38](#) This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags, and both deployed during the frontal impact. [39](#) This vehicle was also equipped with roof siderail-mounted airbags but they did not deploy.

In the driver area, [40](#) there was no damage to the deployed steering-wheel airbag or [41](#) module cover [42](#) but there were drops of blood on the center section of the fabric. [44](#) [45](#) The lower-left section of the steering-wheel rim was bent and pushed forward from loading by the driver [46](#) [47](#) but there was no rotation of the steering column. [48](#) The upper and mid sections of the instrument panel were displaced and the plastic that covers the instruments was cracked. [49](#) [50](#) The knee-bolster cover was damaged and separated from its left-side attachments and there were scuffmarks on the center section below the steering column. The driver seatback and cushion were not damaged but the manual seat adjuster was jammed in a rearward position. [43](#) [51](#) [52](#) There was no other interior damage in the driver seating area.

[53](#) In the center-front area, there was no damage to the roof or to the windshield header and there was no damage to the rearview mirror, [54](#) which was separated from its windshield mount. [55](#) [56](#) There was a scuffmark on the left side of the vertical console [57](#) but there was no other damage in the center-front seating area.

[58](#) [59](#) [60](#) [61](#) There was no damage in the right-front seating area and there was no damaged to the deployed dash-mounted airbag. There were no rearward intrusions into the front occupant space.

## OCCUPANT KINEMATICS AND INJURIES

[62](#) The 173-cm, 120-kg (5-ft 8-in, 265-lb) 56-year-old female driver was using the three-point belt [63](#) [64](#) with an after-market belt extender and [65](#) with the shoulder-belt anchor point adjusted to the lowest position on the B-pillar, and [40](#) the steering-wheel airbag deployed. [66](#) [67](#) Belt use at the time of the crash is indicated by loading marks on the D-ring [68](#) and the continuous loop, and [69](#) by the fact that the webbing was cut to extricate the driver.

During the frontal impact, the driver moved forward relative to the vehicle interior into the belt restraints, airbag, and knee bolster. She sustained several chest and abdominal injuries, [63](#) [64](#) probably from loading by the shoulder belt. These include multiple bilateral rib fractures with a right pneumothorax (#1-9 right anterior, #3-9 right posterior, #1-9 left anterior), a lung contusion, a fracture and a contusion to the sternum, and a mediastinal contusion. She sustained a laceration to the liver,

probably from loading by the shoulder belt or possibly from contact with the steering-wheel rim. She sustained a fracture to the right clavicle from an unknown source and she sustained a comminuted fracture to distal right radius, probably from contact with the vertical console, as [55 56](#) evidenced by a scuffmark on the plastic. She sustained fractures to the distal aspects of the left radius and ulna, [45 48](#) possibly from contact with the upper section of the instrument panel. She sustained bimalleolar fractures to the left ankle, probably from foot contact with the toepan, and she sustained a fracture to the 5th metatarsal of the right foot, [51 52](#) probably from foot contact with the toepan or the pedals. She also sustained a fracture to the right tibial plateau and proximal fibula, and abrasions to both knees, probably from contact with the knee bolster, [49 50](#) as evidenced by scuffmarks on the bolster cover below the steering column.

The following table [70](#) and attached drawing summarize the injuries for the belt-plus-airbag restrained driver.

Occupant: Driver	Age: 56 years	Gender: Female		
Restraints: 3-point belt with after-market belt extender; steering-wheel airbag	Stature: 173 cm (5 ft, 8 in)	Mass: 120 kg (265 lb)		
Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
—	—	—	—	—
Fracture, right clavicle	2	Unknown	—	—
Multiple bilateral rib fractures with right pneumothorax #1-9 right anterior, #3-9 right posterior, #1-9 left anterior	5	—	Shoulder belt	—
Lung contusion (unknown aspect)	3	—	Shoulder belt	—
Fracture sternum	2	—	Shoulder belt	—
Contusion sternum	1	—	Shoulder belt	—
Laceration, liver	2	—	Shoulder belt	Steering-wheel rim
Mediastinal contusion	2	—	Shoulder belt	—
Comminuted fracture, shaft of distal right radius	3	—	Vertical console	—
Fracture distal left radius and ulna	2	—	—	Upper instrument panel
Abrasion, left and right knees	1	—	Knee bolster	—
Fracture, right tibial plateau and proximal fibula	2	—	Knee bolster	—
Fracture, left bimalleolar	2	—	Toepan	—
Fracture, right 5th metatarsal	2	—	Toepan; foot controls	—
Maximum A.I.S. Level	5	—	—	—
Injury Severity Score	38	—	—	—

CASE NO.: 470

CASE VEHICLE: 2003 Saturn

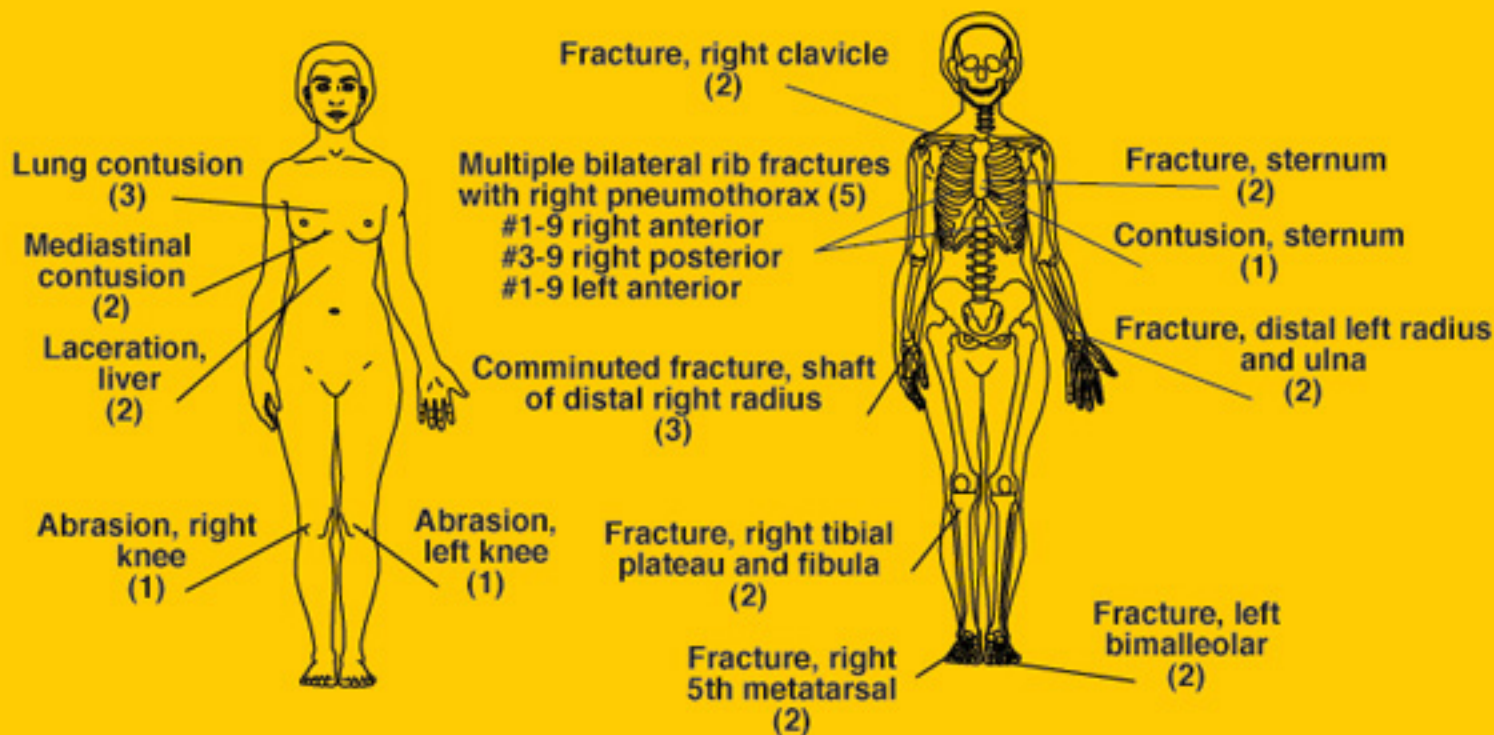
TYPE: Vue, 4-door SUV

OCCUPANT: (Driver) 56-year-old female

STATURE: 173 cm (5 ft, 8 in)      MASS: 120 kg (265 lb)

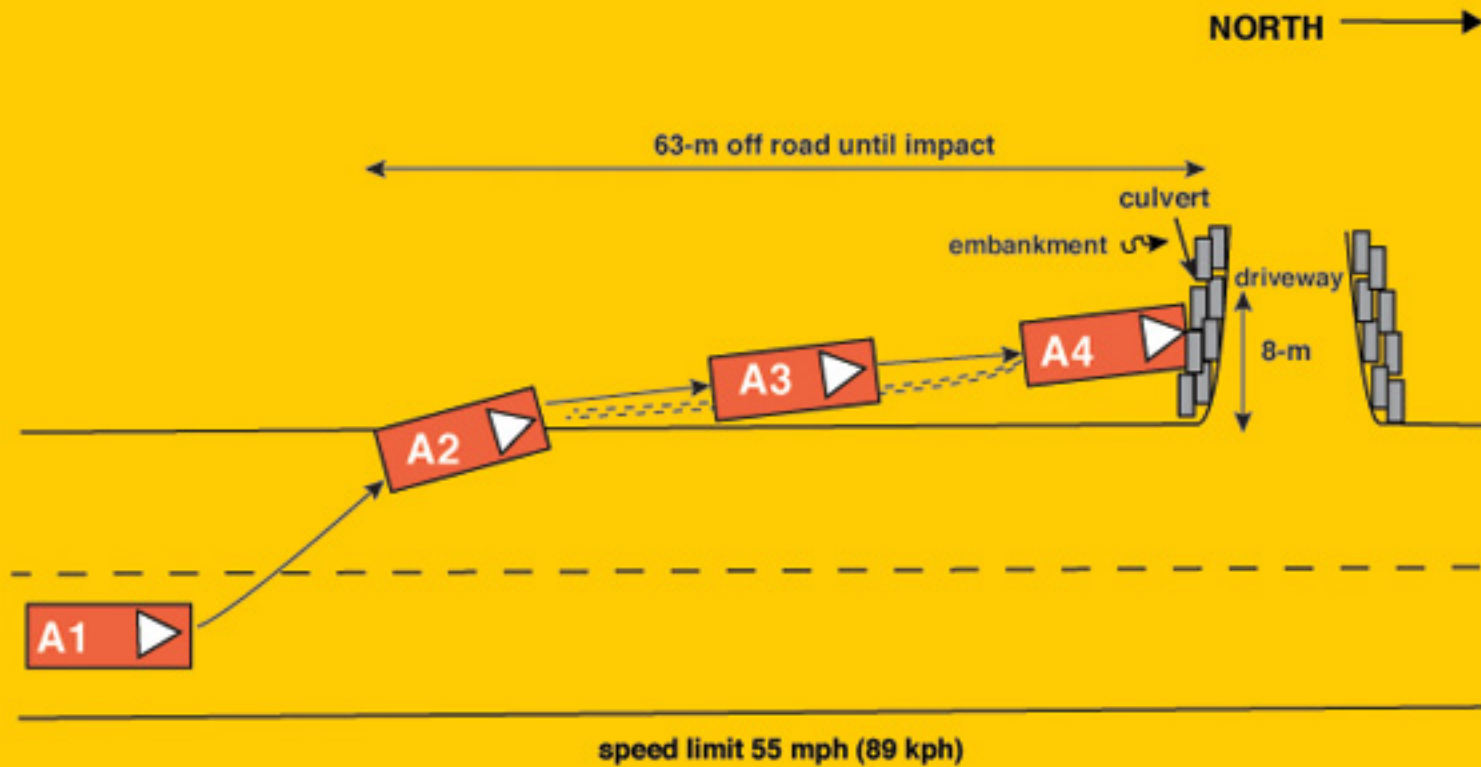
RESTRAINTS: 3-point belt with extender; steering-wheel airbag

SEVERITY:    MAIS - 5                    ISS - 38



Case No.: 470  
Case Veh. (A): 2003 Saturn  
Type: Vue, 4-door SUV  
Driver: 56-year-old female

Weather: Fog  
Road Surface: Wet  
Road Construction: Asphalt  
Light Condition: Daylight



# 470: Vehicle Report

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- 

## General Information

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0204	Collision Hour	1545	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	6	Parking lot/driveway	<a href="#">more</a>
V0210	Trafficway Flow	0	Not physically divided - two way traffic	<a href="#">more</a>
V0211	Road Surface Type	1	Asphalt	<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	29	Water - amount unknown	<a href="#">more</a>
V0217	Visibility Limitation	2	Fog	<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	3	Yes, non-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	1	Case vehicle tracking 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	3	A - 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)	80	No test	<a href="#">more</a>
V0243	Driver Impairment Mention	0	No	<a href="#">more</a>
V0244	Driver Distraction	99	Unknown	<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="#">Click for Contacted Vehicle figure</a>	<a href="#">more</a>
V0302	Other Vehicle Manufacturer/Body Code	99898	—	—
V0303	Other Vehicle Manufacturer	998	Unknown 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	0000	No Other Vehicle	<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	9	Unknown	<a href="#">more</a>
V0312	Other Vehicle Type	99	Unknown	<a href="#">more</a>
V0313	Other Vehicle Wheelbase in Centimeters	999	Unknown wheelbase	<a href="#">more</a>
V0314	Other Vehicle Average Track Width	999	Unknown	<a href="#">more</a>
V0315	Other Vehicle Overall Length	999	Unknown	<a href="#">more</a>
V0316	Other Vehicle Overall Width (OAW)	999	Unknown	<a href="#">more</a>
V0317	Other Vehicle Front Overhang	999	Unknown	<a href="#">more</a>
V0318	Other Vehicle Rear Overhang	999	Unknown	<a href="#">more</a>
V0319	Other Vehicle Undeformed End Width (UEW)	999	Unknown	<a href="#">more</a>
V0320	Other Vehicle Engine Displacement	9.9	Unknown	<a href="#">more</a>
V0321	Other Vehicle Engine: Number of Cylinders	99	Unknown	<a href="#">more</a>



V0322	Other Vehicle Direct Damage Length (DDL)	999	Unknown	<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	5GZCZ63BX3XXXXXXX	<a href="#">Click for Case Vehicle figure</a>	<a href="#">more</a>
V0402	Manufacturer/Body Code	11814	—	—
V0403	Vehicle Manufacturer	118	Saturn	<a href="#">more</a>
V0404	Vehicle Body Code	14	Short wheelbase utility vehicle (Jeep, Bronco)	<a href="#">more</a>
V0405	Make/model Code	3760	Saturn Vue	<a href="#">more</a>
V0406	Model Year	2003	Model year	<a href="#">more</a>
V0407	Vehicle Mass	001584 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	072 kph	Speed (km/h)	<a href="#">more</a>
V0411	Body Type	21	Small utility (e.g. Jeep, Scout, Bronco)	<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	4	All wheel drive	<a href="#">more</a>
V0423	Dual Rear Wheels	0	No	<a href="#">more</a>
V0424	Original Restraint	3	Air bag	<a href="#">more</a>

	System Type			
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	271 cm	Actual Wheelbase	<a href="#">more</a>
V0428	Anti-lacerative Glass	8	Not Collected	<a href="#">more</a>
V0429	Case Vehicle average track Width	155 cm	actual measurement (cm)	<a href="#">more</a>
V0430	Case Vehicle Overall Length	461 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	096 cm	actual measurement (cm)	<a href="#">more</a>
V0434	Case Vehicle Undeformed End Width (UEW)	160 cm	actual measurement (cm)	<a href="#">more</a>
V0435	Case Vehicle Engine Displacement	3.0 l	Liters	<a href="#">more</a>
V0436	Case Vehicle Engine: Number of Cylinders	06	number of cylinders	<a href="#">more</a>
V0437	Case Vehicle Direct Damage Length (DDL)	160 cm	actual measurement (cm)	<a href="#">more</a>
V0438	Case Vehicle Front-end Overlap	98	98% or more	<a href="#">more</a>
V0439	Case Vehicle - Vehicle Overlap	98	98% or more	<a href="#">more</a>

### Case Vehicle Damage Description

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0501	Maximum Sheet Metal Crush - Front	049 cm	Depth of Crush (cm)	<a href="#">more</a>
V0502	Maximum Sheet Metal Crush - Right Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0503	Maximum Sheet Metal Crush - Rear	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
	Maximum Sheet Metal Crush			

V0504	- Left Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0505	Maximum Sheet Metal Crush - Roof	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	82	Culvert	<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>
	Primary CDC Case Vehicle -			

V0529	event Number	1	Event 1	<a href="#">more</a>
V0530	Primary CDC Case Vehicle - Impact Speed (kph)	999	Unknown	<a href="#">more</a>
V0531	Primary CDC Case Vehicle-estimatr	1	Investigator	<a href="#">more</a>
V0532	Primary CDC Case Vehicle - Crush (CM)	049	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	04	D - Distributed (Side or End)	<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	23	W - Wide impact area	<a href="#">more</a>
V0538	Primary CDC Case Vehicle Extent #1	03	Extent 3	<a href="#">more</a>
V0539	Primary CDC - Contacted Vehicles Assoc CDC - CDC #1	12FDEW3	—	—
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	00	Missing Data/Not applicable	<a href="#">more</a>
V0546	Primary CDC - Case Vehicle 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	98	Not Applicable	<a href="#">more</a>

	Vehicle-clock #1			
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	00	Missing Data/Not applicable	<a href="#">more</a>
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	00	Missing Data/Not applicable	<a href="#">more</a>
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 Vehicle-estimator	8	Not applicable (no vehicle/no impact)	<a href="#">more</a>
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	00	Missing Data/Not applicable	<a href="#">more</a>
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	00	Missing Data/Not applicable	<a href="#">more</a>
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	00	Missing Data/Not applicable	<a href="#">more</a>
V0591	Secondary CDC - Contacted Vehicle Assoc CDC - CDC	9800000	—	—

	#1			
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	00	Missing Data/Not applicable	<a href="#">more</a>
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	043 kph	kph	<a href="#">more</a>
V0603	Primary delta-V Case Vehicle -LONGITUD	-043	—	—
V0604	Primary delta-V Case Vehicle-Lateral	0000	—	—
V0605	Primary Delta V Case Vehicle - Energy Dissipated by Crush (k	0124	—	—
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	—	—
	Primary delta-V Contacted			



V0611	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	043 kph	kph	<a href="#">more</a>
V0625	Primary EBS Case Vehicle - LONGITUD	-043	—	—
V0626	Primary EBS Case Vehicle-Lateral	0000	—	—
V0627	Primary EBS Case Vehicle - Energy Dissipated by Crush (kj)	0124	—	—
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>
	Primary EBS Contacted			

V0631	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)	160 cm	cm	<a href="#">more</a>
V0648	Direct Damage Maximum Crush - Case Vehicle (1)	049 cm	cm	<a href="#">more</a>
V0649	Direct and Induced Damage Length in CM	120 cm	cm	<a href="#">more</a>
V0650	Field C1 - Case Vehicle (1)	037 cm	cm	<a href="#">more</a>
V0651	Field C2 - Case Vehicle (1)	044 cm	cm	<a href="#">more</a>
V0652	Field C3 - Case Vehicle (1)	046 cm	cm	<a href="#">more</a>
V0653	Field C4 - Case Vehicle (1)	047 cm	cm	<a href="#">more</a>

V0654	Field C5 - Case Vehicle (1)	049 cm	cm	<a href="#">more</a>
V0655	Field C6 - Case Vehicle (1)	045 cm	cm	<a href="#">more</a>
V0656	Direct Damage D Value = The Center of Direct Damage Offset t	+000 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)	160 cm	cm	<a href="#">more</a>
V0660	Direct Damage MaximumCrush - Case Vehicle (2)	049 cm	cm	<a href="#">more</a>
V0661	Direct and Induced Damage Length in CM	120 cm	cm	<a href="#">more</a>
V0662	Field C1 - Case Vehicle (2)	037 cm	cm	<a href="#">more</a>
V0663	Field C2 - Case Vehicle (2)	044 cm	cm	<a href="#">more</a>
V0664	Field C3 - Case Vehicle (2)	046 cm	cm	<a href="#">more</a>
V0665	Field C4 - Case Vehicle (2)	047 cm	cm	<a href="#">more</a>
V0666	Field C5 - Case Vehicle (2)	049 cm	cm	<a href="#">more</a>
V0667	Field C6 - Case Vehicle (2)	045 cm	cm	<a href="#">more</a>
V0668	Direct Damage D Value = The Center of Direct Damage Offset t	+000 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>
V0689	Field C4 - Contacted Vehicle (2)	999	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	1	Yes	<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>
V0718	Right Front Tire Condition Postcrash	2	Completely deflated	<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	P23565R16	—	—
V0726	Right Front Tire Size	P23565R16	—	—
V0727	Right Rear Tire Size	P23565R16	—	—
V0728	Left Rear Tire Size	P23565R16	—	—
V0729	Left Front Tire Pressure (recorded in psi)	28.5 psi	Actual tire pressure in psi	<a href="#">more</a>
V0730	Right Front Tire Pressure (recorded in psi)	00.0 psi	Actual tire pressure in psi	<a href="#">more</a>
	Right Rear Tire Pressure			

V0731	(recorded in psi)	27.5 psi	Actual tire pressure in psi	<a href="#">more</a>
V0732	Left Rear Tire Pressure (recorded in psi)	30.0 psi	Actual tire pressure in psi	<a href="#">more</a>
V0733	Left Front Tread Depth	06	06/32"	<a href="#">more</a>
V0734	Right Front Tread Depth	06	06/32"	<a href="#">more</a>
V0735	Right Rear Tread Depth	08	08/32"	<a href="#">more</a>
V0736	Left Rear Tread Depth	08	08/32"	<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	133	Right 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	0	No	<a href="#">more</a>
V1105	Left Hood Hinge Separated	8	Not applicable	<a href="#">more</a>
V1106	Right Hood Hinge Damaged	0	No	<a href="#">more</a>
V1107	Right Hood Hinge Separated	8	Not applicable	<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	0	No	<a href="#">more</a>
V1111	Edge Penetrated Windshield	8	Not applicable	<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 Telescopng 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	0	No	<a href="#">more</a>
V1127	Lower Left D-pillar Sep	0	No	<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	1	Fixed	<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	0	No damage	<a href="#">more</a>
V1139	Rear Door Type	2	One-way tailgate	<a href="#">more</a>
V1140	Rear Door Opening Cause	0	Door did not open	<a href="#">more</a>
V1141	Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1142	Rear Glazng Availability	1	Fixed	<a href="#">more</a>
V1143	Rear Glazing Damage	0	No damage	<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	0	No	<a href="#">more</a>
V1156	Lower Right D-pillar Separated	0	No	<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	0	No	<a href="#">more</a>

	Closed			
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	1	Fixed	<a href="#">more</a>
V1165	Right Front Glazing Damage	0	No damage	<a href="#">more</a>
V1166	Right Rear Glazing Damage	1	Shattered	<a href="#">more</a>
V1167	Rr2 Glazing Damage	0	No damage	<a href="#">more</a>
V1168	Windshield Cracked	0	No	<a href="#">more</a>
V1169	Windshield Broken	8	Not applicable <a href="#">Click for Windshield Damage figure</a>	<a href="#">more</a>
V1170	Occupant Cracked/Broke Wndshld	8	Not applicable	<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>

### Case Vehicle Steering Column/Rim

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1201	Steering Wheel Rim Damage	1	Deformed slightly	<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	1	Occupant contact	<a href="#">more</a>
V1205	Steering Wheel Location of Rim Damage	2	Bottom half	<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	888	Not collected	<a href="#">more</a>

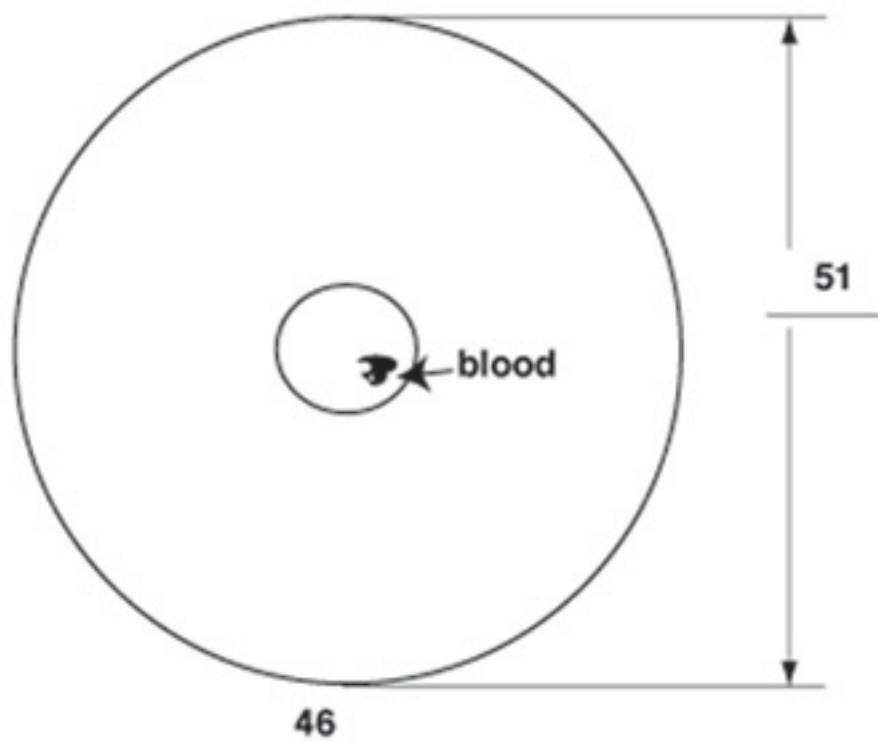
	Difference			
V1212	Column Energy Absorb Device	88	Not collected	<a href="#">more</a>
V1213	Col EA Device's Orig/compressed (or Extruded) Length Diff	888	Not collected	<a href="#">more</a>
V1214	Shear Capsule Separation	888	Not collected	<a href="#">more</a>
V1215	Column Vertical Rotation	0	No apparent 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	99	Unknown or data not collected	<a href="#">more</a>
V1304	Occupant Space Number(1)	99	Unknown or data not collected	<a href="#">more</a>
V1305	Intrud Component/obj (1)	99	Unknown or data not collected	<a href="#">more</a>
V1306	Associate Event Numb (1)	9	Unknown or data not collected	<a href="#">more</a>
V1307	Maximum Intrusion X Axis	99	Unknown or data not collected	<a href="#">more</a>
V1308	Maximum Intrusion Y Axis	99	Unknown or data not collected	<a href="#">more</a>
V1309	Maximum Intrusion Z Axis	99	Unknown or data not collected	<a href="#">more</a>
V1310	Occupant Number #1 (1)	99	Unknown or data not collected	<a href="#">more</a>
V1311	Injury Number #1 (1)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1312	Occupant Number #2 (1)	99	Unknown or data not collected	<a href="#">more</a>
V1313	Injury Number #2 (1)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1314	Intrusion Number #2	99	Unknown or data not collected	<a href="#">more</a>

### Driver Airbag

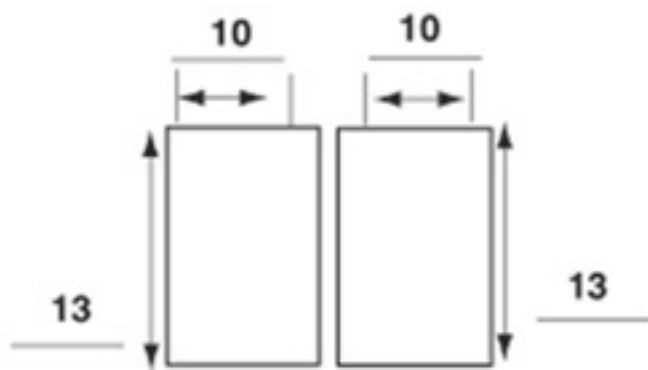


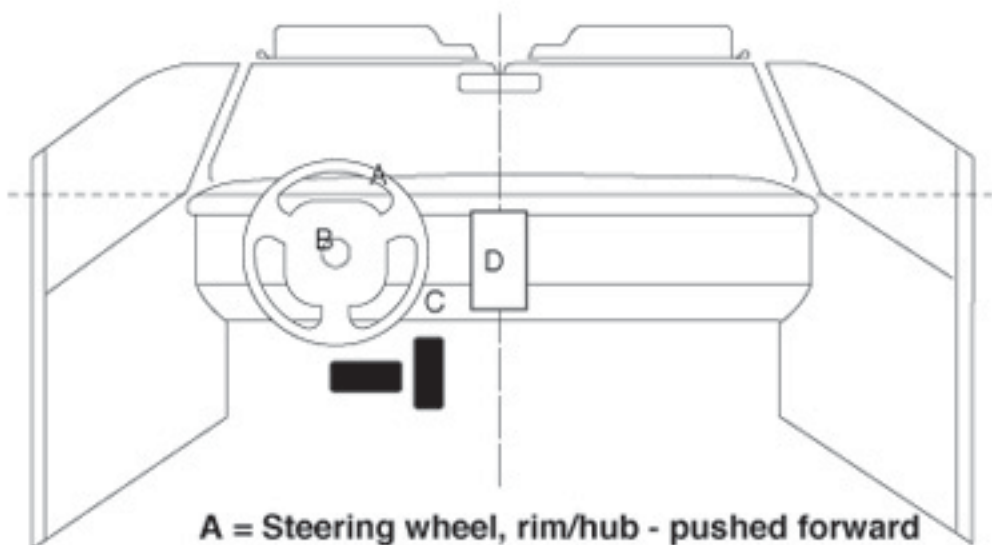
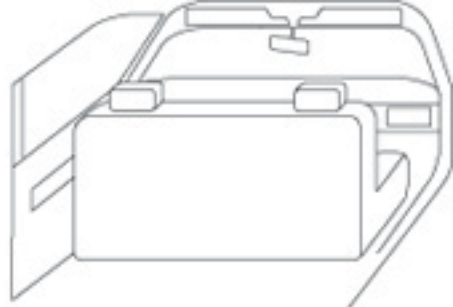
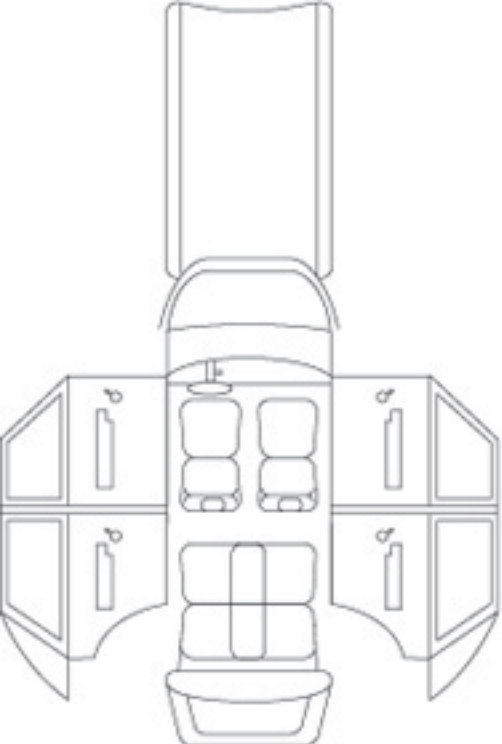
Vents:  Y  N  
if yes, how many: 2

Tethers:  Y  N  
if yes, how many: 2

vents at 11 and 1 o'clock

### Driver Airbag Doors





- A = Steering wheel, rim/hub - pushed forward**
- B = Airbag - blood**
- C = Knee bolster - cracked**
- D = Vertical console, scuff**

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	
none		-	=		
		-	=		
		-	=		
		-	=		
		-	=		
		-	=		
		-	=		
		-	=		
		-	=		
		-	=		
		-	=		
		-	=		
		-	=		
		-	=		

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Steering wheel	1	Chest	Rim/Hub pushed forward	1
B	Driver airbag	1	Chest	Blood	1
C	Knee bolster	1	Knees	Cracked	1
D	Vertical console	1	Right hand	Scuff	1
E					
F					
G					
H					
I					

A diagram showing a large rectangle. A vertical line runs from the top edge to the bottom edge, dividing the rectangle into two sections. The left section contains the text "NO DAMAGE". Above and below the rectangle are horizontal dimension lines with arrows at both ends, indicating the total width. To the left of the rectangle are two vertical dimension lines with arrows at both ends, indicating the height. A small horizontal tick mark is located on the top edge of the rectangle, centered under the vertical line.

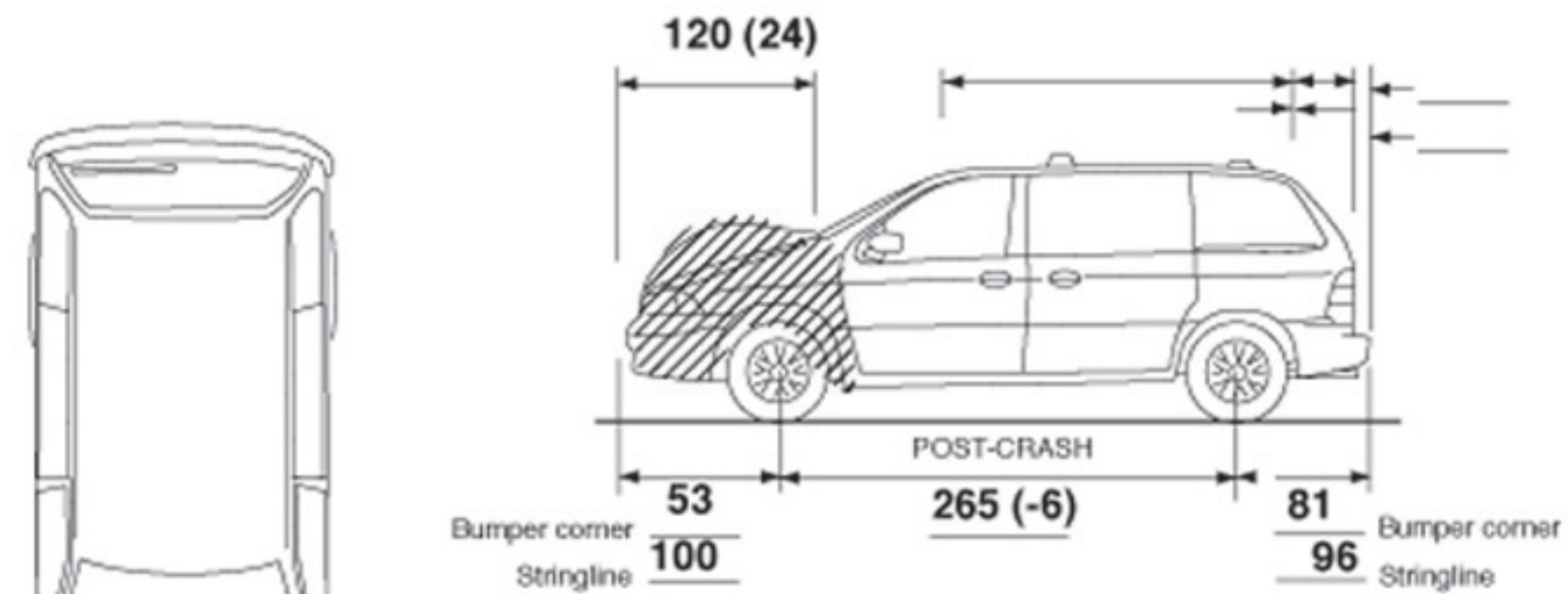
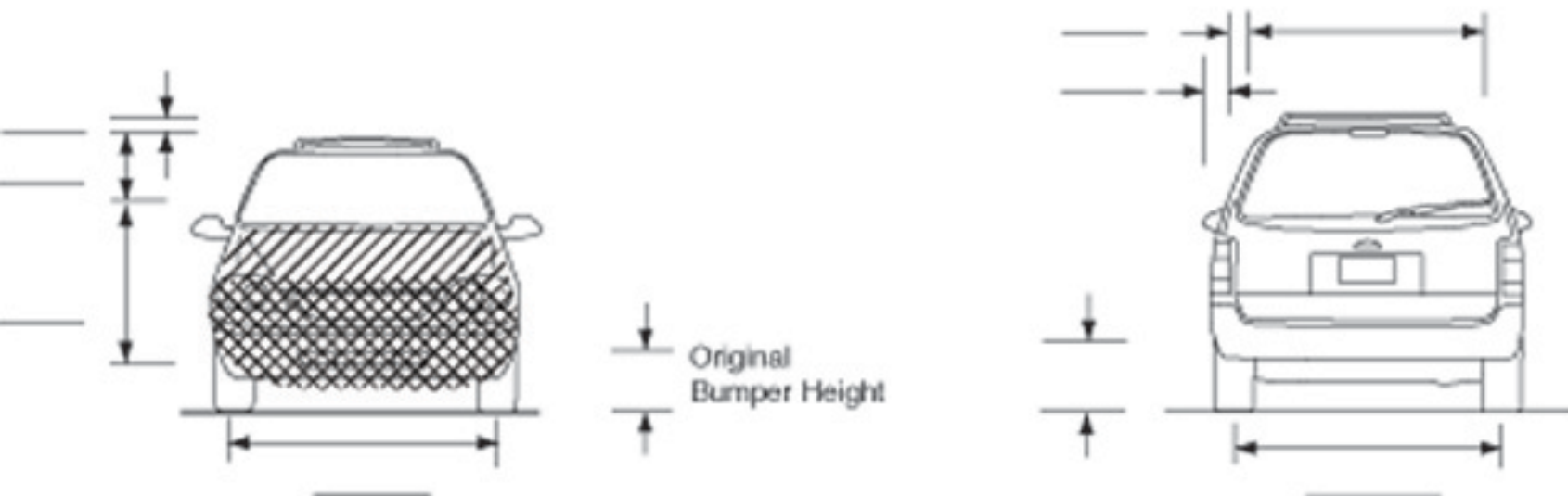
**NO DAMAGE**



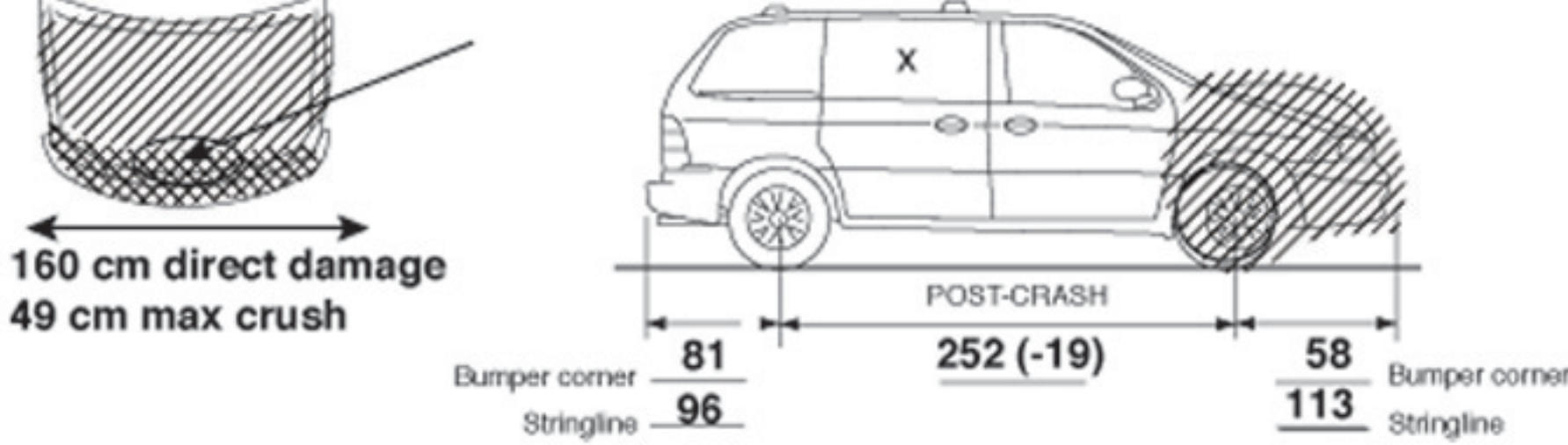
WINDSHIELD MARK ON CASE VEHICLE:

**GM** LAMINATED G2  
DOT 376 AS1M334  
TRANS. 70% MIN  
AP TECHNOLOGY A22

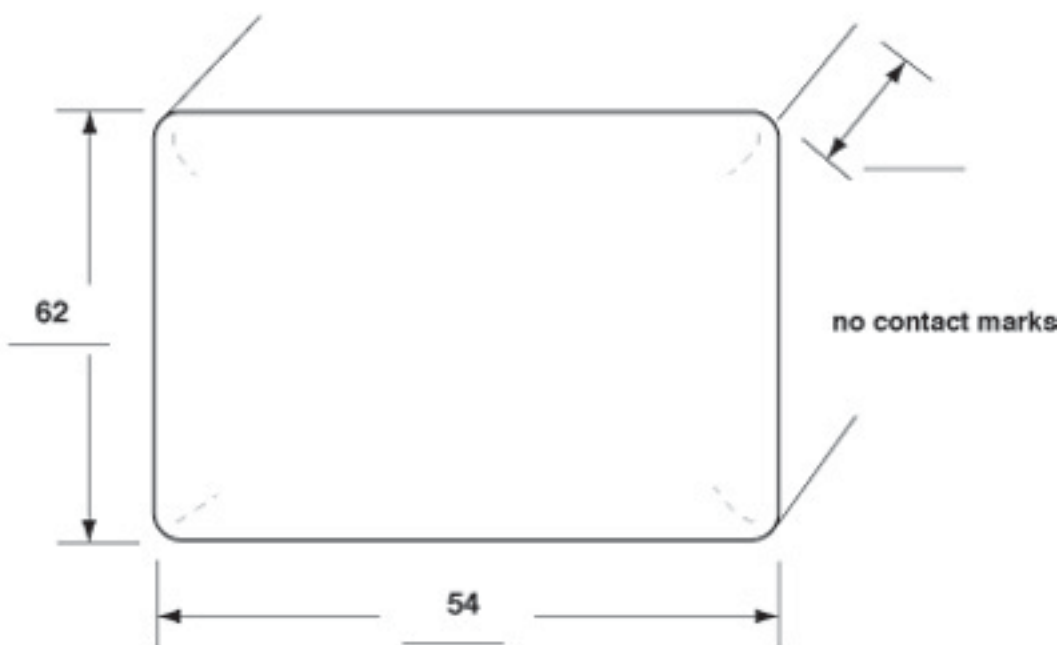
MEASUREMENTS IN CENTIMETERS



hood cut by rescue crew



### Passenger Airbag



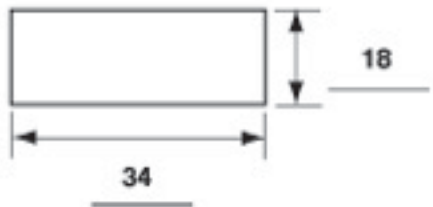
Vents:  Y  N  
if yes, how many: 2

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

vents located at 9 and 3 o'clock

### Passenger Airbag Doors

Single Door







































VUE

LO  
INT  
OFF  
MIST

3  
2  
1





VUE

SATURN

TEMPERATURE

OFF 1 2 3 4



AM/FM

EJ

PUSH ON VOL

BCL

CO

1 PRV

2 NXT

3 REV

4 FWD

5 ACM

6 RPT

TUNE SEEK









































ET/E  
P024









2/273 420d



AIRBAG





POLE  
CENTER





























4WD

V6







































































































