Case 489: Narrative

Case Vehicle (A): 2000 Dodge

Type: Caravan, 4-door minivan

Driver: 36-year-old male

CDC: 12-FRWN-3, 12-FZEN-3

SITUATION

1 It was dark, the sky was clear, and the asphalt surface of the unlighted two-lane road with a posted speed limit of 35 mph (56 kph) was dry and in good condition as 2 case vehicle (A) was traveling west at an unknown speed in the westbound lane. 3 4 5 As the road curved to the left, case vehicle (A) went straight, 6 struck a curb with the right-front wheel, and 7 then struck a 20-cm diameter tree with the right front. Case vehicle (A) was towed due to damage.

The police accident report (PAR) indicates A-level injuries for the unbelted male driver of case vehicle (A), who was transported by ambulance to a hospital. He was subsequently transferred by helicopter to a level-one trauma center and hospitalized for twenty-four days. A hospital-administered blood test revealed a .36 percent blood alcohol content (BAC).

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

8 Damage to the front of case vehicle (A) from the impact with the tree was moderate. 9 10 Direct damage was 20 cm in length with a maximum rearward crush of 47 cm and occurred to the right of the vehicle centerline. There was minor damage to the right-front wheel from contact with the curb.

Using the WinSMASH crash-reconstruction program and a crush profile measured for 11 12 case vehicle (A) at the level of the bumper, the following impact severity was estimated for impact with the tree.

		Estimated Velocity Change - kph (mph)				
Vehicle	Variable	Total	Longitudinal	Latitudinal		
Case Vehicle (A)	delta V	30 (18)	-30 (-18)	0 (0)		

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

In the front, 13 14 the bumper, the grille, and the hood were crushed rearward, and the hood latch was jammed closed but the rear edge of the hood was elevated. There was a small star-patterned crack in the upper-left corner of the windshield from an internal contact.

On the right side, <u>15</u> the front tire was flat <u>16 17 18</u> but there was no other damage and there was no change in the right wheelbase. <u>19</u> There was no damage to the rear or <u>20 21</u> to the left side of the vehicle, and there was no change in the left wheelbase.

Interior

This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags, and 22 23 both deployed during the frontal impact with the tree. 24 25 26 In the driver area, the steering-wheel airbag was not damaged but there were drops of blood on the airbag fabric. 54 55 There was no evidence of seatbelt use on the D-ring or the continuous loop. 27 28 The steering wheel rim was deflected forward, primarily in the upper half, and 29 30 there was a spider-web patterned crack in the upper-left corner of the windshield, but the source of this crack is unknown. 31 32 The knee-bolster cover to the left of the steering column was scuffed and 33 the knee bolster below the steering column was dented and 34 scratched. 35 36 The brake-pedal cover was separated from the pedal but 37 38 39 40 41 42 43 44 45 there was no other damage in the driver area.

46 47 48 49 50 51 52 There was no other interior damage and there were no intrusions into the occupant space.

OCCUPANT KINEMATICS AND INJURIES

53 The 191-cm, 98-kg (6-ft 3-in, 215-lb) 36-year-old male driver was not using the three-point belt but 22 the steering-wheel airbag deployed. There were no belt loading marks on 54 the D-ring or 55 on the continuous loop of the sliding latch plate to indicate belt use.

During the frontal impact, the driver moved forward relative to the vehicle interior into the airbag and knee bolster. He lost consciousness for less than 30 minutes, probably due to non-contact impact forces as indicated by the lack of any soft-tissue injuries to the head or face. He sustained displaced fractures to the lateral aspects of left ribs 4 through 9, a laceration to the spleen, and a liver laceration, probably from contact with the steering-wheel rim through the airbag, or possibly from close-proximity (i.e., OOP) chest and abdomen loading by the deploying airbag. He sustained a comminuted fracture to the posterior aspect of the right acetabulum from knee contact with knee bolster, 33 as evidenced by an indentation below the steering column.

The following table and drawing $\underline{56}$ summarize the injuries for the driver of case vehicle (A).

Occupant: Driver	Age: 36 y	Age: 36 years Gender: Male			
Restraints: Steering-wheel airbag	Stature: 1 in)	Stature: 191 cm (6 ft, 3 mass: 98 kg (215 lb)			15 lb)
Injury Description		A.I.S.]	Injury Source	
_		_	Definite	Probable	Possible
Unconscious less than 30 minutes		2	_	Non- contact impact forces	_
				Steering-	

Laceration, liver, grade III	3	_	wheel rim through airbag	Deploying airbag
Laceration, spleen	2	_	Steering- wheel rim through airbag	Deploying airbag
Displaced fractures, lateral aspects of left ribs 4 through 9	3	_	Steering- wheel rim through airbag	Deploying airbag
Comminuted fracture, posterior aspect the right acetabulum	3	Knee bolster		
.36 percent blood alcohol level				
Maximum A.I.S. Level	3			
Injury Severity Score	27			

CASE NO.: 489

CASE VEHICLE: 2000 Dodge

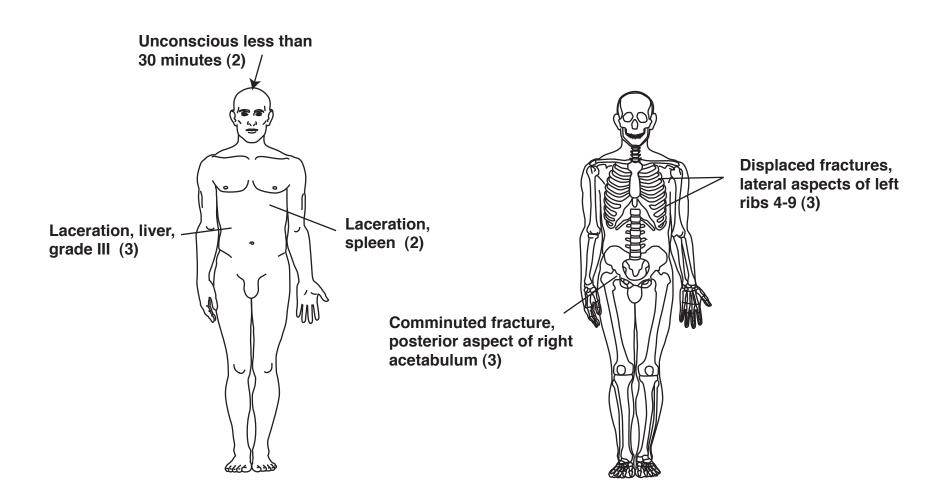
TYPE: Caravan, 4-door minivan, 4x2

OCCUPANT: Driver: 36-year-old male

STATURE: 191 cm (6 ft, 3 in) MASS: 98 kg (215 lb)

RESTRAINTS: Steering-wheel airbag

SEVERITY: MAIS - 3 : ISS - 27



Case No.: 489

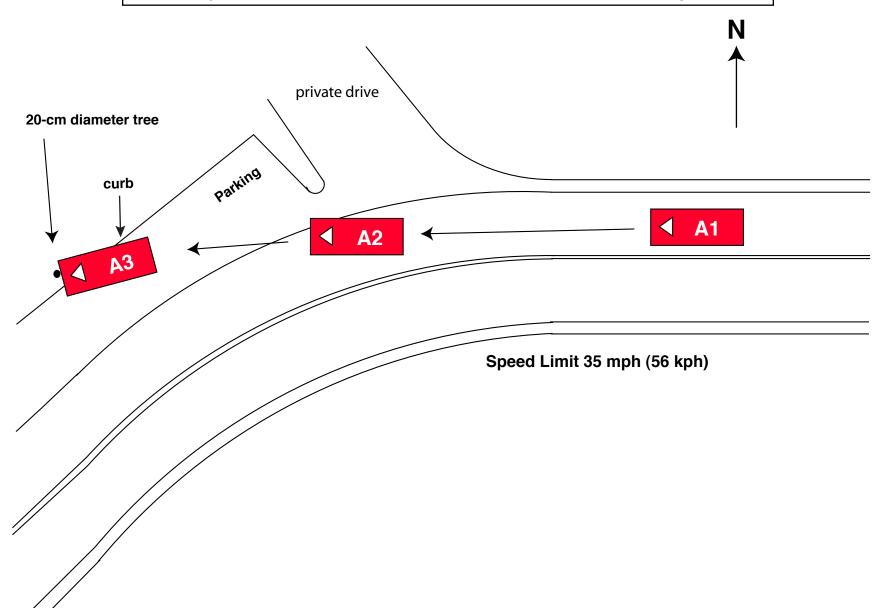
Case Vehicle (A): **2000 Dodge**Type: **Caravan, 4-door minivan**

Driver: 36-year-old male

Light Conditions: Dark, unlighted

Weather: Clear Road Surface: Dry

Road Construction: **Asphalt**



489: Vehicle Report

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

General Information Back to Top

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0204	Collision Hour	0200	Time of day (24 hour clock)	more
V0205	State Fips Code	26	Michigan	<u>more</u>
V0206	Urban/rural Area	1	Urban	<u>more</u>
V0207	Limited Access Highway	0	No	<u>more</u>
V0208	Road Total Lanes	2	2 lanes	<u>more</u>
V0209	Intersect Road Total Lanes	8	Not applicable	<u>more</u>
V0210	Trafficway Flow	0	Not physically divided - two way traffic	<u>more</u>
V0211	Road Surface Type	1	Asphalt	<u>more</u>
V0212	Road Defects	0	No	more
V0213	Construction Zone	0	No	more
V0214	Road Alignment Vertical Plane	1	Level	more

V0215	Road Alignment Horzontal Plane	2	Curve	more
V0216	Surface Covering	10	Dry	more
V0217	Visibility Limitation	0	None	more
V0218	Visibility Obstruction	0	None	more
V0219	Speed Limit	2	56-60 km/h 35 mph	more
V0220	Precipitation Type	0	None	more
V0221	Precipitation Rate	8	Not applicable	more
V0222	Temperature	9	Unknown	more
V0223	Crosswind	9	Unknown	more
V0224	Light Conditions	5	Dark, unlighted	more
V0225	Mechanical Malfunction Mention	0	No	more
V0226	Case Vehicle And Object	4	Yes, fixed object off-road	more
V0227	Case Vehicle Rollover	0	No	more
V0228	Rollover Location	0	No rollover	more
V0229	Roll Direction	0	No rollover	more
V0230	Rollover Initation Type	0	No rollover	more
V0231	Rollover Number Of Turns	0	No rollover	more
V0232	Case Vehicle Preimpact Braking	1	Yes	more
V0233	Case Vehicle Preimpact Stability	1	Case vehicle tracking before impact	more
V0234	Case Vehicle Ran Off Roadway	1	Yes	more
V0235	Moving Case Vehicle Contacted Moving Vehicle	0	No	more
V0236	Case Vehicle Contacted Stopped Vehicle	0	No	more
V0237	Stopped Case Vehicle Contacted Vehicle	0	No	<u>more</u>
V0238	Total Vehicles Hit By Case Vehicle	0	0 vehicles	more
V0239	Any Fire In Crash?	0	No	more
V0240	Maximum Police Severity-acc	7	Non-Fatal Injury, Severity Unknown	more
V0241	Driver Alcohol Involvmnt	1	Had been drinking	more
V0242	Driver Alcohol BAC (Case Vehicle)	0.36	Actual BAC	more
V0243	Driver Impairment Mention	1	Yes	more
V0244	Driver Distraction	99	Unknown	more

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

Other Vehicle Back to Top

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0301	Other Vehicle VIN	0 XXXXXX	Click for Contacted Vehicle figure	more
V0302	Other Vehicle Manufacturer/Body Code	99898		
V0303	Other Vehicle Manufacturer	998	Unknown Other Vehicle	more
V0304	Other Vehicle Body Code	98	No Other Vehicle	more
V0305	Other Vehicle Make/model	0000	No other vehicle	more
V0306	Other Vehicle Model Year	0000	No Other Vehicle	more
V0307	Other Vehicle Mass	000000 kg	No Other Vehicle	<u>more</u>
V0308	Other Vehicle Number	8	No other vehicle	more
V0309	Other Vehicle Number of Occupants	98	No Other Vehicle	more
V0310	Other Vehicle Traveling Speed	990	No Other Vehicle	more
V0311	Highest Police Injury Severity	9	Unknown	more
V0312	Other Vehicle Type	99	Unknown	more
V0313	Other Vehicle Wheelbase in Centimeters	999	Unknown wheelbase	more
V0314	Other Vehicle Average Track Width	999	Unknown	more
V0315	Other Vehicle Overall Length	999	Unknown	more
V0316	Other Vehicle Overall Width (OAW)	999	Unknown	more
V0317	Other Vehicle Front Overhang	999	Unknown	more
V0318	Other Vehicle Rear Overhang	999	Unknown	more
V0319	Other Vehicle Undeformed End Width (UEW)	999	Unknown	more
V0320	Other Vehicle Engine Displacement	9.9	Unknown	more
V0321	Other Vehicle Engine: Number of Cylinders	99	Unknown	more

V0322	Other Vehicle Direct Damage Length (DDL)	999	Unknown	<u>more</u>
V0323	Other Vehicle Front-End Overlap	99	Missing or Not applicable	more
V0324	Other Vehicle - Vehicle Overlap	99	Missing or Not applicable	more

Case Vehicle General

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0401	VIN	2B4GP2537YXXXXXX	Click for Case Vehicle figure	more
V0402	Manufacturer/Body Code	23211		_
V0403	Vehicle Manufacturer	232	Dodge	<u>more</u>
V0404	Vehicle Body Code	11	Passenger van; panel or cargo van	<u>more</u>
V0405	Make/model Code	3220	Caravan, Minivan	<u>more</u>
V0406	Model Year	2000	Model year	<u>more</u>
V0407	Vehicle Mass	001766 kg	Mass (Kg)	<u>more</u>
V0408	Odometer Reading	999999	_	
V0409	Number of Occupants	01	1 occupant	<u>more</u>
V0410	Traveling Speed	999	Unknown	<u>more</u>
V0411	Body Type	24	Van (small)	<u>more</u>
V0412	Stolen Vehicle	8	Not currently collected	<u>more</u>
V0413	Body Structure	2	Unitized	more
V0414	Transmission Type	1	Automatic	<u>more</u>
V0415	Transmission Lever Location	3	Column	<u>more</u>
V0416	Steering	1	Power	more
V0417	Brakes	1	Power	more
V0418	Brake Type	1	Drum - all wheels	<u>more</u>
V0419	Adjustable Pedals?	0	No	<u>more</u>
V0420	Brake Anti-lock Device	0	None installed	<u>more</u>
V0421	Air Conditioning in Vehicle	8	Not currently collected	<u>more</u>
V0422	Drive Type	2	Front wheel	<u>more</u>
V0423	Dual Rear Wheels	0	No	more
V0424	Original Restraint System Type	3	Air bag	more
	Equipped With Roll	0		

V0425	Bar		No	<u>more</u>
V0426	Roof Type	1	Solid	more
V0427	Case Vehicle Wheelbase in Centimeters	288 cm	Actual Wheelbase	more
V0428	Anti-lacerative Glass	8	Not Collected	<u>more</u>
V0429	Case Vehicle average track Width	161 cm	actual measurement (cm)	more
V0430	Case Vehicle Overall Length	473 cm	actual measurement (cm)	more
V0431	Case Vehicle Overall Width (OAW)	195	actual measurement (cm)	<u>more</u>
V0432	Case Vehicle Front Overhang	092 cm	actual measurement (cm)	more
V0433	Case Vehicle Rear Overhang	093 cm	actual measurement (cm)	more
V0434	Case Vehicle Undeformed End Width (UEW)	150 cm	actual measurement (cm)	more
V0435	Case Vehicle Engine Displacement	3.0 <i>l</i>	Liters	<u>more</u>
V0436	Case Vehicle Engine: Number of Cylinders	06	number of cylinders	more
V0437	Case Vehicle Direct Damage Length (DDL)	999	Unknown	more
V0438	Case Vehicle Front-end Overlap	99	Missing or Not applicable	more
V0439	Case Vehicle - Vehicle Overlap	99	Missing or Not applicable	more

Case Vehicle Damage Description

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0501	Maximum Sheet Metal Crush - Front	047 cm	Depth of Crush (cm)	<u>more</u>
V0502	Maximum Sheet Metal Crush - Right Side	000 cm	No Crush (or less than 1 cm.)	more
11 7/11/11/3	Maximum Sheet Metal Crush - Rear	000 cm	No Crush (or less than 1 cm.)	more
V0504	Maximum Sheet Metal Crush - Left Side	000 cm	No Crush (or less than 1 cm.)	more
	Maximum Sheet Metal Crush			

V0505	- Roof	000 cm	No Crush (or less than 1 cm.)	<u>more</u>
V0506	Maximum Sheet Metal Crush - Other	000 cm	No Crush (or less than 1 cm.)	more
V0507	Seq In Chronologicl Ordr	1	Yes	more
V0508	Event 1 -impact Location	4	Outside Roadside right-of-way	more
V0509	Event 1 -Impact Configuration	47	RIGHT of case veh - object	<u>more</u>
V0510	Event 1 -Object/Vehicle Contactd	81	Curb (damage-producing impacts only)	<u>more</u>
V0511	Event 2 -impact Location	4	Outside Roadside right-of-way	more
V0512	Event 2 -Impact Configuration	17	FRONT of case veh - object	more
V0513	Event 2 -Object/Vehicle Contactd	77	Sign post, utility pole, tree	<u>more</u>
V0514	Event 3 -impact Location	8	No 3rd event	more
V0515	Event 3 -Impact Configuration	88	No 3rd event	more
V0516	Event 3 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0517	Event 4 -impact Location	8	No 4th event	more
V0518	Event 4 -Impact Configuration	88	No 4th event	more
V0519	Event 4 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0520	Event 5 -impact Location	8	No 5th event	more
V0521	Event 5 -Impact Configuration	88	No 5th event	more
V0522	Event 5 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0523	Event 6 -impact Location	8	No 6th event	more
V0524	Event 6 -Impact Configuration	88	No 6th event	more
V0525	Event 6 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0526	Event 7 -impact Location	8	No 7th event	more
V0527	Event 7 -Impact Configuration	88	No 7th event	more
V0528	Event 7 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0529	Primary CDC Case Vehicle - event Number	1	Event 1	more
	Primary CDC Case Vehicle -			

V0530	Impact Speed (kph)	999	Unknown	<u>more</u>
V0531	Primary CDC Case Vehicle- estimatr	1	Investigator	more
V0532	Primary CDC Case Vehicle - Crush (CM)	998	Not Applicable	more
V0533	Primary CDC Case Vehicle- clock #1	12	12 o'clock	more
V0534	Primary CDC Case Vehicle- Letter 1 #1	06	F - Front	more
V0535	Primary CDC Case Vehicle- Letter 2 #1	18	R - Right (Front or Rear)	more
V0536	Primary CDC Case Vehicle- Letter 3 #1	23	W - Below undercarriage level (wheels and tires	more
V0537	Primary CDC Case Vehicle- Letter 4 #1	14	N - Narrow impact area	more
V0538	Primary CDC Case Vehicle Extent #1	03	Extent 3	more
V0539	Primary CDC - Contacted Vehicles Assoc CDC - CDC #1	12FRWN3		
V0540	Primary CDC Case Vehicle- clock #2	98	Not Applicable	more
V0541	Primary CDC Case Vehicle- Letter 1 #2	00	Missing Data/Not applicable	more
V0542	Primary CDC Case Vehicle- Letter 2 #2	00	Missing Data/Not applicable	more
V0543	Primary CDC Case Vehicle- Letter 3 #2	00	Missing Data/Not applicable	more
V0544	Primary CDC Case Vehicle- Letter 4 #2	00	Missing Data/Not applicable	more
V0545	Primary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V0546	Primary CDC - Case Vehicle Assoc CDC - CDC #2	9800000	_	_
V0547	Primary CDC Contacted Vehicle - Impact Speed (kph)	998	Not Applicable	more
V0548	Primary CDC Contacted Vehicle-estimater	1	Investigator	more
V0549	Primary CDC Contacted Vehicle - Crush (CM)	998	Not Applicable	more
V0550	Primary CDC Contacted Vehicle-clock #1	98	Not Applicable	more
V0551	Primary CDC Contacted	0.0	Missing Data/Not applicable	more

	Vehicle-Letter 1 #1			
V0552	Primary CDC Contacted Vehicle-Letter 2 #1	00	Missing Data/Not applicable	more
V0553	Primary CDC Contacted Vehicle-Letter 3 #1	00	Missing Data/Not applicable	more
V0554	Primary CDC Contacted Vehicle-Letter 4 #1	00	Missing Data/Not applicable	more
V0555	Primary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V0556	primary CDC - Contacted Vehicles Assoc CDC - CDC #1	9800000		_
V0557	Primary CDC Contacted Vehicle-clock #2	98	Not Applicable	more
V0558	Primary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	more
V0559	Primary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	more
V0560	Primary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	more
V0561	Primary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	more
V0562	Primary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V0563	Primary CDC - Contacted Vehicles Assoc CDC - CDC #2	9800000		
V0564	Secondary CDC Case Vehicle-event No	2	Event 2	more
V0565	Secondary CDC Case Vehicle - Impact Speed (kph)	999	Unknown	more
V0566	Secondary CDC Case Vehicle-estimater	1	Investigator	more
V0567	Secondary CDC Case Vehicle - Crush (CM)	047	Crush measurements in cm	more
V0568	Secondary CDC Case Vehicle-clock #1	12	12 o'clock	more
V0569	Secondary CDC Case Vehicle-Letter 1 #1	06	F - Front	more
V0570	Secondary CDC Case Vehicle-Letter 2 #1	26	\overline{Z} - Side or end $(B + P \text{ or } R + C)$	more
V0571	Secondary CDC Case Vehicle-Letter 3 #1	05	E - Everything below belt line	more

V0572	Secondary CDC Case Vehicle-Letter 4 #1	14	N - Narrow impact area	<u>more</u>
V0573	Secondary CDC Case Vehicle Extent #1	03	Extent 3	more
V0574	Secondary CDC - Case Vehicle Assoc CDC - CDC #1	12FZEN3		_
V0575	Secondary CDC Case Vehicle-clock #2	98	Not Applicable	more
V0576	Secondary CDC Case Vehicle-Letter 1 #2	00	Missing Data/Not applicable	more
V0577	Secondary CDC Case Vehicle-Letter 2 #2	00	Missing Data/Not applicable	more
V0578	Secondary CDC Case Vehicle-Letter 3 #2	00	Missing Data/Not applicable	more
V0579	Secondary CDC Case Vehicle-Letter 4 #2	00	Missing Data/Not applicable	more
V0580	Secondary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V0581	Secondary CDC - Case Vehicle Assoc CDC - CDC #2	9800000		
V0582	Secondary CDC Contacted Vehicle - Impact Speed (kph)	998	Not Applicable	more
V0583	Secondary CDC Contacted Vehicle-estimater	1	Investigator	<u>more</u>
V0584	Secondary CDC Contacted Vehicle - Crush (CM)	998	Not Applicable	<u>more</u>
V0585	Secondary CDC Contacted Vehicle-clock #1	98	Not Applicable	more
V0586	Secondary CDC Contacted Vehicle-Letter 1 #1	00	Missing Data/Not applicable	more
V0587	Secondary CDC Contacted Vehicle-Letter 2 #1	00	Missing Data/Not applicable	more
V0588	Secondary CDC Contacted Vehicle-Letter 3 #1	00	Missing Data/Not applicable	more
V0589	Secondary CDC Contacted Vehicle-Letter 4 #1	00	Missing Data/Not applicable	more
V0590	Secondary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V0591	Secondary CDC - Contacted Vehicle Assoc CDC - CDC #1	9800000		
	Secondary CDC Contacted			

V0592	Vehicle-clock #2	98	Not Applicable	<u>more</u>
V0593	Secondary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	more
V0594	Secondary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<u>more</u>
V0595	Secondary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<u>more</u>
V0596	Secondary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<u>more</u>
V0597	Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V0598	Secondary CDC - Contacted Vehicle Assoc CDC - CDC #2	9800000		_

Crash Reconstruction

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0601	Primary Delta-V Case Vehicle-event #	1	Event number 1	<u>more</u>
V0602	Primary Delta V Case Vehicle - Total Delta V	888	Not Applicable	more
V0603	Primary delta-V Case Vehicle -LONGITUD	8888		_
V0604	Primary delta-V Case Vehicle-Lateral	8888		
V0605	Primary Delta V Case Vehicle - Energy Dissipated by Crush (k	8888		_
V0606	Primary Delta-V Case Vehicle-Reconstruction	10	Other	<u>more</u>
V0607	Primary Delta-V Case Vehicle- Mode	5	Not reconstructed	more
V0608	Primary Delta V Contacted Vehicle - Total Delta V	888	Not Applicable	<u>more</u>
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 #	2	Event number 2	more
V0613	Secondary Delta V Case Vehicle - Total Delta V	030 kph	kph	more
V0614	Secondarydelta-V Case Vehicle -LONGITUD	-030		_
V0615	Secondary delta-V Case Vehicle-Lateral	0000		
V0616	Secondary delta-V Case Vehicle - Energy Dissipated by Crush	0658		
V0617	Secondary Delta-V Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<u>more</u>
V0618	Secondary Delta-V Case Vehicle- Mode	2	CDC & detailed damage	<u>more</u>
V0619	Secondary Delta V Contacted Vehicle - Total Delta V	888	Not applicable	more
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	more
V0624	Primary EBS Case Vehicle - Total EBS	888	Not Applicable	more
V0625	Primary EBS Case Vehicle - LONGITUD	8888		
V0626	Primary EBS Case Vehicle- Lateral	8888		
V0627	Primary EBS Case Vehicle - Energy Dissipated by Crush (kj)	8888		_
V0628	Primary EBS Case Vehicle- Reconstruction	10	Other	<u>more</u>
V0629	Primary EBS Case Vehicle- Mode	5	Not reconstructed	more
V0630	Primary EBS Contacted Vehicle - Total EBS	888	Not Applicable	more
V0631	Primary EBS Contacted Vehicle-LONGITUD	8888		_
	Primary EBS Contacted			

V0632	Vehicle-Lateral	8888	_	
V0633	Primary EBS Contact Vehicle - Energy Dissipated by Crush (kj	8888		_
V0634	Secondary EBS Case Vehicle-event #	2	Event number 2	more
V0635	Secondary EBS Case Vehicle - Total EBS	030 kph	kph	more
V0636	Secondary EBS Case Vehicle -LONGITUD	-030		_
V0637	Secondary EBS Case Vehicle-Lateral	0000		_
V0638	Secondary EBS Case Vehicle - Energy Dissipated by Crush (kj)	0658		_
V0639	Secondary EBS Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	more
V0640	Secondary EBS Case Vehicle- Mode	2	CDC & detailed damage	more
V0641	Secondary EBS Contacted Vehicle - Total EBS	888	Not Applicable	more
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)	2	Event number 2	more
V0646	Plane of Impact Case Vehicle (1)	1	Bumper	more
V0647	Direct Damage Length (DDL) - Case Vehicle (1)	020 cm	cm	more
V0648	Direct Damage Maximum Crush - Case Vehicle (1)	047 cm	cm	more
V0649	Direct and Induced Damage Length in CM	118 cm	cm	more
V0650	Field C1 - Case Vehicle (1)	000 cm	No Crush	more
V0651	Field C2 - Case Vehicle (1)	008 cm	cm	more
V0652	Field C3 - Case Vehicle (1)	016 cm	cm	more
V0653	Field C4 - Case Vehicle (1)	026 cm	cm	more
V0654	Field C5 - Case Vehicle (1)	047 cm	cm	more
V0655	Field C6 - Case Vehicle (1)	000 cm	No Crush	more

V0656	Direct Damage D Value = The Center of Direct Damage Offset t	+023 cm	Offset (cm)	more
V0657	Specific Event # Case(2)	2	Event number 2	<u>more</u>
V0658	Plane of Impact Case Vehicle (2)	1	Bumper	more
V0659	Direct Damage Length (DDL) - Case Vehicle (2)	020 cm	ст	more
V0660	Direct Damage MaximumCrush - Case Vehicle (2)	047 cm	cm	<u>more</u>
V0661	Direct and Induced Damage Length in CM	118 cm	cm	more
V0662	Field C1 - Case Vehicle (2)	000 cm	No Crush	<u>more</u>
V0663	Field C2 - Case Vehicle (2)	008 cm	cm	<u>more</u>
V0664	Field C3 - Case Vehicle (2)	016 cm	cm	more
V0665	Field C4 - Case Vehicle (2)	026 cm	cm	more
V0666	Field C5 - Case Vehicle (2)	047 cm	cm	more
V0667	Field C6 - Case Vehicle (2)	000 cm	No Crush	<u>more</u>
V0668	Direct Damage D Value = The Center of Direct Damage Offset t	+023 cm	cm	more
V0669	Specific Event # Cont(1)	9	Unknown	more
V0670	Plane of Impact Contacted Vehicle(1)	9	Unknown	<u>more</u>
V0671	Direct Damage Length (DDL) - Contacted Vehicle (1)	999	Unknown	more
V0672	Direct Damage Maximum Crush - Contacted Vehicle (1)	999	Unknown	more
V0673	Field L - Contacted Vehicle (1)	999	Unknown	more
V0674	Field C1 - Contacted Vehicle (1)	999	Unknown	more
V0675	Field C2 - Contacted Vehicle (1)	999	Unknown	more
V0676	Field C3 - Contacted Vehicle (1)	999	Unknown	more
V0677	Field C4 - Contacted Vehicle (1)	999	Unknown	more
V0678	Field C5 - Contacted Vehicle (1)	999	Unknown	more

V0679	Field C6 - Contacted Vehicle (1)	999	Unknown	more
V0680	Direct Damage D Value = The Center of Direct Damage Offset t	9999	offset (cm)	more
V0681	Specific Event # Contacted Vehicle (2)	9	Unknown	<u>more</u>
V0682	Plane of Impact Contacted Vehicle(2)	9	Unknown	<u>more</u>
V0683	Direct Damage Length (DDL) - Contacted Vehicle (2)	999	Unknown	more
V0684	Direct Damage Maximum Crush - Contacted Vehicle (2)	999	Unknown	more
V0685	Direct and Induced Damage Length in CM	999	Unknown	more
V0686	Field C1 - Contacted Vehicle (2)	999	Unknown	more
V0687	Field C2 - Contacted Vehicle (2)	999	Unknown	more
V0688	Field C3 - Contacted Vehicle (2)	999	Unknown	more
V0689	Field C4 - Contacted Vehicle (2)	999	Unknown	<u>more</u>
V0690	Field C5 - Contacted Vehicle (2)	999	Unknown	<u>more</u>
V0691	Field C6 - Contacted Vehicle (2)	999	Unknown	more
V0692	Direct Damage D Value = The Center of Direct Damage Offset t	9999	Offset (cm)	more

Case Vehicle Tires & Rims

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0701	Left Front Wheel Damaged	0	No	more
V0702	Right Front Wheel Damaged	1	Yes	<u>more</u>
V0703	Right Rear Wheel Damaged	0	No	more
V0704	Left Rear Wheel Damaged	0	No	<u>more</u>
V0705	Left Front Tire Tread Type	4	All Weather	more
V0706	Right Front Tire Tread Type	4	All Weather	more

V0707	Right Rear Tire Tread Type	4	All Weather	more
V0708	Left Rear Tire Tread Type	4	All Weather	more
V0709	Left Front Carcass Construction	3	Radial	more
V0710	Right Front Carcass Construction	3	Radial	<u>more</u>
V0711	Right Rear Carcass Construction	3	Radial	more
V0712	Left Rear Carcass Construction	3	Radial	more
V0713	Left Front Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0714	Right Front Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0715	Right Rear Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0716	Left Rear Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0717	Left Front Tire Condition Postcrash	0	Normal - no damage to tire	more
V0718	Right Front Tire Condition Postcrash	2	Completely deflated	<u>more</u>
V0719	Right Rear Tire Condition Postcrash	0	Normal - no damage to tire	<u>more</u>
V0720	Left Rear Tire Condition Postcrash	0	Normal - no damage to tire	more
V0721	Left Front Tire Involvement	0	No	more
V0722	Right Front Tire Involvement	0	No	<u>more</u>
V0723	Right Rear Tire Involvement	0	No	more
V0724	Left Rear Tire Involvement	0	No	more
V0725	Left Front Tire Size	P20575R14	_	
V0726	Right Front Tire Size	P20575R14		
V0727	Right Rear Tire Size	P20575R14		
V0728	Left Rear Tire Size	P20575R14		
V0729	Left Front Tire Pressure (recorded in psi)	32.0 psi	Actual tire pressure in psi	more
V0730	Right Front Tire Pressure (recorded in psi)	00.0 psi	Actual tire pressure in psi	more
V0731	Right Rear Tire Pressure (recorded in psi)	35.0 psi	Actual tire pressure in psi	more
	Left Rear Tire Pressure			

V0732	(recorded in psi)	35.0 psi	Actual tire pressure in psi	<u>more</u>
V0733	Left Front Tread Depth	06	06/32"	more
V0734	Right Front Tread Depth	06	06/32"	<u>more</u>
V0735	Right Rear Tread Depth	06	06/32"	more
V0736	Left Rear Tread Depth	06	06/32"	<u>more</u>

Case Vehicle Fuel Tank

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0801	Propulsive Fuel Type	1	Gasoline	more
V0802	Main Tank Location	322	Within frame/centered laterally - within vertica	more
V0803	Main Filler Cap Location	313	Left of frame laterally - above vertically	more
V0804	Main Tank Material	3	Plastic	more
V0805	Aux Tank Type	8	Not applicable (not equipped)	<u>more</u>
V0806	Aux Tank Location	888	Not applicable (not equipped)	more
V0807	Aux Filler Cap Location	888	Not applicable (not equipped)	more
V0808	Aux Tank Material	8	Not applicable	<u>more</u>

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	<u>more</u>

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	<u>more</u>

Case Vehicle Exterior

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1101	Hood Latch Released	0	No	more
V1102	Hood Latch Damaged	1	Yes	more
		1		

V1103	Hood Latch Jammed		Yes	<u>more</u>
V1104	Left Hood Hinge Damaged	0	No	more
V1105	Left Hood Hinge Separated	8	Not applicable	more
V1106	Right Hood Hinge Damaged	0	No	more
V1107	Right Hood Hinge Separated	8	Not applicable	more
V1108	Hood Remained On Vehicle	1	Yes	more
V1109	Rear Hood Edge Elevated	1	Yes	<u>more</u>
V1110	Edge Contacted Windshield	0	No	<u>more</u>
V1111	Edge Penetrated Windshield	8	Not applicable	more
V1112	Hood Latch Location	1	Front of Vehicle	<u>more</u>
V1113	Eng/transmissn Mount Separated	0	No	more
V1114	Steering Column Flex Couplng	9	Unknown if equipped	more
V1115	Steering Column Coupling Dam	9	Unknown	more
V1116	Steering Column Coupling Separated	9	Unknown	more
V1117	Eng Comp Telescopng Unit	88	Not currently collected	<u>more</u>
V1118	Compartment Unit's Original/telescoped Length Difference	888	Not currently collected	more
V1119	Left Side Body Mount Separated	8	Not applicable (unitized)	<u>more</u>
V1120	Upper Left A-pillar Sep	0	No	more
V1121	Lower Left A-pillar Sep	0	No	more
V1122	Upper Left B-pillar Sep	0	No	more
V1123	Lower Left B-pillar Sep	0	No	<u>more</u>
V1124	Upper Left C-pillar Sep	0	No	<u>more</u>
V1125	Lower Left C-pillar Sep	0	No	<u>more</u>
V1126	Upper Left D-pillar Sep	0	No	<u>more</u>
V1127	Lower Left D-pillar Sep	0	No	more
V1128	Left Front Door Opening Cause	00	Door did not open	more
V1129	Left Rear Door Opening Cause	00	Door did not open	more
V1130	Left Front Door Jammed Closed	0	No	more
V1131	Left Rear Door Jammed Closed	0	No	more
V1132	Van Left Rear Door Type	1	Track (sliding)	more

V1133	Left Front Glazing Availability	2	Closed	more
V1134	Left Rear Glazing Availability	1	Fixed	more
V1135	Lr2 Glazing Availability	3	Partially open	more
V1136	Left Front Glazing Damage	0	No damage	more
V1137	Left Rear Glazing Damage	0	No damage	more
V1138	Lr2 Glazing Damage	0	No damage	more
V1139	Rear Door Type	2	One-way tailgate	more
V1140	Rear Door Opening Cause	0	Door did not open	more
V1141	Rear Door Jammed Closed	0	No	more
V1142	Rear Glazng Availability	1	Fixed	more
V1143	Rear Glazing Damage	0	No damage	more
V1144	Luggage Partition Damaged	8	Not applicable	more
V1145	Spare Tire Status	8	Not collected	more
V1146	Trailer Hitch Type	0	No hitch	more
V1147	Trailer Type	0	No trailer	more
V1148	Rght Side Body Mount Separated	8	Not applicable (unitized)	more
V1149	Upper Right A-pillar Separated	0	No	more
V1150	Lower Right A-pillar Separated	0	No	more
V1151	Upper Right B-pillar Separated	0	No	more
V1152	Lower Right B-pillar Separated	0	No	more
V1153	Upper Right C-pillar Separated	0	No	more
V1154	Lower Right C-pillar Separated	0	No	more
V1155	Upper Right D-pillar Separated	0	No	more
V1156	Lower Right D-pillar Separated	0	No	more
V1157	Right Front Door Opening Cause	00	Door did not open	more
V1158	Right Rear Door Opening Cause	00	Door did not open	more
V1159	Right Front Door Jammed Closed	0	No	more

V1160	Right Rear Door Jammed Closed	0	No	more
V1161	Van Right-rear Door Type	1	Track (sliding)	<u>more</u>
V1162	Right Front Glazing Availability	2	Closed	<u>more</u>
V1163	Right Rear Glazing Availability	1	Fixed	<u>more</u>
V1164	Rr2 Glazing Availability	2	Closed	more
V1165	Right Front Glazing Damage	0	No damage	more
V1166	Right Rear Glazing Damage	0	No damage	more
V1167	Rr2 Glazing Damage	0	No damage	more
V1168	Windshield Cracked	1	Yes	more
V1169	Windshield Broken	0	No Click for Windshield Damage figure	<u>more</u>
V1170	Occupant Cracked/Broke Wndshld	1	Yes	<u>more</u>
V1171	Bond Separation Extent	0	None	more
V1172	Windshield Code	99	Click for Windshield Mark figure	<u>more</u>
V1173	Did Sun Roof/T-Roof Open	8	Not Applicable	more

Case Vehicle Steering Column/Rim

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1201	Steering Wheel Rim Damage	1	Deformed slightly	<u>more</u>
V1202	Number of Steering Wheel Spokes	3	3 spokes	more
V1203	Steering Wheel Spoke Damage	0	None	more
V1204	Steering Wheel Hub Damage	0	None	<u>more</u>
V1205	Steering Wheel Location of Rim Damage	1	Top half	more
V1206	Aftermarket Add-on Device	0	None	more
V1207	Column Tilt Feature	2	Up	more
V1208	Column Swing-away Feature	0	Not equipped	more
V1209	Column Telescoping Feature	0	Not equipped	<u>more</u>
V1210	Wheel Energy Absorb Device	8	Not currently collected	more
V1211	Wheel EA Device's original/damage Dimension Difference	888	Not collected	more
			1	1

V1212	Column Energy Absorb Device	88	Not collected	<u>more</u>
V1213	Col EA Device's Orig/compressed (or Extruded) Length Diff	888	Not collected	more
V1214	Shear Capsule Separation	888	Not collected	more
V1215	Column Vertical Rotation	0	No apparent rotation	more
V1216	Column Lateral Rotation	0	No apparent rotation	more

Case Vehicle Intrusion

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1301	Was Occupant Compartment Intruded	0	No Click for Intrusion figure	more
V1302	Was Intrusn Catastrophic	8	Not applicable	more
V1303	Intrusion #1	99	Unknown or data not collected	more
V1304	Occupant Space Number(1)	99	Unknown or data not collected	more
V1305	Intrud Component/obj (1)	99	Unknown or data not collected	more
V1306	Associate Event Numb (1)	9	Unknown or data not collected	more
V1307	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1308	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1309	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1310	Occupant Number #1 (1)	99	Unknown or data not collected	more
V1311	Injury #1 (1)	99	Contact, injury unknown or data not collected	more
V1312	Occupant Number #2 (1)	99	Unknown or data not collected	more
V1313	Injury #2 (1)	99	Contact, injury unknown or data not collected	more
V1314	Intrusion Number #2	99	Unknown or data not collected	more
V1315	Occupant Space Number(2)	99	Unknown or data not collected	more
V1316	Intrud Component/obj (2)	99	Unknown or data not collected	more
V1317	Associate Event Numb (2)	9	Unknown or data not collected	more
V1318	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1319	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1320	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1321	Occupant Number #1 (2)	99	Unknown or data not collected	more
V1322	Injury #1 (2)	99	Contact, injury unknown or data not collected	more
V1323	Occupant Number #2 (2)	99	Unknown or data not collected	more

V1324	Injury Number #2 (2)	99	Contact, injury unknown or data not collected	more
V1325	Intrusion Number #3	99	Unknown or data not collected	more
V1326	Occupant Space Number(3)	99	Unknown or data not collected	<u>more</u>
V1327	Intrud Compnent/obj (3)	99	Unknown or data not collected	<u>more</u>
V1328	Associate Event Numb (3)	9	Unknown or data not collected	<u>more</u>
V1329	Maximum Intrusion X Axis	99	Unknown or data not collected	<u>more</u>
V1330	Maximum Intrusion Y Axis	99	Unknown or data not collected	<u>more</u>
V1331	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1332	Occupant Number #1 (3)	99	Unknown or data not collected	<u>more</u>
V1333	Injury #1 (3)	99	Contact, injury unknown or data not collected	more
V1334	Occupant Number #2 (3)	99	Unknown or data not collected	<u>more</u>
V1335	Injury Number #2 (3)	99	Contact, injury unknown or data not collected	more
V1336	Intrusion Number #4	99	Unknown or data not collected	<u>more</u>
V1337	Occupant Space Number(4)	99	Unknown or data not collected	<u>more</u>
V1338	Intrud Component/obj (4)	99	Unknown or data not collected	<u>more</u>
V1339	Associate Event Numb (4)	9	Unknown or data not collected	<u>more</u>
V1340	Maximum Intrusion X Axis	99	Unknown or data not collected	<u>more</u>
V1341	Maximum Intrusion Y Axis	99	Unknown or data not collected	<u>more</u>
V1342	Maximum Intrusion Z Axis	99	Unknown or data not collected	<u>more</u>
V1343	Occupant Number #1 (4)	99	Unknown or data not collected	<u>more</u>
V1344	Injury #1 (4)	99	Contact, injury unknown or data not collected	more
V1345	Occupant Number #2 (4)	99	Unknown or data not collected	<u>more</u>
V1346	Injury Number #2 (4)	99	Contact, injury unknown or data not collected	more
V1347	Intrusion Number #5	99	Unknown or data not collected	<u>more</u>
V1348	Occupant Space Number(5)	99	Unknown or data not collected	<u>more</u>
V1349	Intrud Component/obj (5)	99	Unknown or data not collected	<u>more</u>
V1350	Associate Event Numb (5)	9	Unknown or data not collected	<u>more</u>
V1351	Maximum Intrusion X Axis	99	Unknown or data not collected	<u>more</u>
V1352	Maximum Intrusion Y Axis	99	Unknown or data not collected	<u>more</u>
V1353	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1354	Occupant Number #1 (5)	99	Unknown or data not collected	more
V1355	Injury #1 (5)	99	Contact, injury unknown or data not collected	more
V1356	Occupant Number #2 (5)	99	Unknown or data not collected	more

V1357	Injury Number #2 (5)	99	Contact, injury unknown or data not collected	more
V1358	Intrusion Number #6	99	Unknown or data not collected	<u>more</u>
V1359	Occupant Space Number(6)	99	Unknown or data not collected	<u>more</u>
V1360	Intrud Component/obj (6)	99	Unknown or data not collected	<u>more</u>
V1361	Associate Event Numb (6)	9	Unknown or data not collected	<u>more</u>
V1362	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1363	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1364	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1365	Occupant Number #1 (6)	99	Unknown or data not collected	more
V1366	Injury #1 (6)	99	Contact, injury unknown or data not collected	more
V1367	Occupant Number #2 (6)	99	Unknown or data not collected	more
V1368	Injury Number #2 (6)	99	Contact, injury unknown or data not collected	more
V1369	Intrusion Number #7	99	Unknown or data not collected	<u>more</u>
V1370	Occupant Space Number(7)	99	Unknown or data not collected	<u>more</u>
V1371	Intrud Component/obj (7)	99	Unknown or data not collected	<u>more</u>
V1372	Associate Event Numb (7)	9	Unknown or data not collected	<u>more</u>
V1373	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1374	Maximum Intrusion Y Axis	99	Unknown or data not collected	<u>more</u>
V1375	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1376	Occupant Number #1 (7)	99	Unknown or data not collected	<u>more</u>
V1377	Injury #1 (7)	99	Contact, injury unknown or data not collected	more
V1378	Occupant Number #2 (7)	99	Unknown or data not collected	more
V1379	Injury Number #2 (7)	99	Contact, injury unknown or data not collected	more
V1380	Intrusion Number #8	99	Unknown or data not collected	more
V1381	Occupant Space Number(8)	99	Unknown or data not collected	<u>more</u>
V1382	Intrud Component/obj (8)	99	Unknown or data not collected	<u>more</u>
V1383	Associate Event Numb (8)	9	Unknown or data not collected	<u>more</u>
V1384	Maximum Intrusion X Axis	99	Unknown or data not collected	<u>more</u>
V1385	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1386	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1387	Occupant Number #1 (8)	99	Unknown or data not collected	more
V1388	Injury #1 (8)	99	Contact, injury unknown or data not collected	more
V1389	Occupant Number #2 (8)	99	Unknown or data not collected	<u>more</u>

V1390	Injury #2 (8)	99	Contact, injury unknown or data not collected	more
V1391	Intrusion Number #9	99	Unknown or data not collected	more
V1392	Occupant Space Number(9)	99	Unknown or data not collected	more
V1393	Intrud Component/obj (9)	99	Unknown or data not collected	more
V1394	Associate Event Numb (9)	9	Unknown or data not collected	more
V1395	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1396	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1397	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1398	Occupant Number #1 (9)	99	Unknown or data not collected	more
V1399	Injury #1 (9)	99	Contact, injury unknown or data not collected	more
V1400	Occupant Number #2 (9)	99	Unknown or data not collected	more
V1401	Injury Number #2 (9)	99	Contact, injury unknown or data not collected	more
V1402	Intrusion Number #10	99	Unknown or data not collected	more
V1403	Occupant Space Number (10)	99	Unknown or data not collected	more
V1404	Intrud Component/obj(10)	99	Unknown or data not collected	more
V1405	Associate Event Numb(10)	9	Unknown or data not collected	more
V1406	Maximum Intrusion X Axis	99	Unknown or data not collected	more
V1407	Maximum Intrusion Y Axis	99	Unknown or data not collected	more
V1408	Maximum Intrusion Z Axis	99	Unknown or data not collected	more
V1409	Occupant Number #1 (10)	99	Unknown or data not collected	more
V1410	Injury #1 (10)	99	Contact, injury unknown or data not collected	more
V1411	Occupant Number #2 (10)	99	Unknown or data not collected	more
V1412	Injury Number #2 (10)	99	Contact, injury unknown or data not collected	more
V1413	Intrusion Number (a)	88	Not Applicable	more
V1414	Cause Of Intrusion (a)	8	Not applicable	more
V1415	Intrusion Number (b)	88	Not Applicable	more
V1416	Cause Of Intrusion (b)	8	Not applicable	more
V1417	Intrusion Number (c)	88	Not Applicable	more
V1418	Cause Of Intrusion (c)	8	Not applicable	more
V1419	Intrusion Number (a)	88	Not Applicable	more
V1420	Damaged Component 1 (a)	8	Not Applicable	more
V1421	Damaged Component 2 (a)	8	Not Applicable	more
V1422	Intrusion Number (b)	88	Not Applicable	more
V1423	Damaged Component 1 (b)	8	Not Applicable	more

V1424	Damaged Component 2 (b)	8	Not Applicable	<u>more</u>
V1425	Intrusion Number (c)	88	Not Applicable	more
V1426	Damaged Component 1 (c)	8	Not Applicable	<u>more</u>
V1427	Damaged Component 2 (c)	8	Not Applicable	more
V1428	Intrusion Number (d)	88	Not Applicable	<u>more</u>
V1429	Damaged Component 1 (d)	8	Not Applicable	<u>more</u>
V1430	Damaged Component 2 (d)	8	Not Applicable	<u>more</u>

Case Vehicle Airbag(s)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1501	Driver Airbag Equipped	1	Yes Click for Driver Airbag figure	<u>more</u>
V1502	Right Front Airbag Equip	1	Yes Click for Passenger Airbag figure	<u>more</u>
V1503	Left Rear Airbag Equipped	0	No	<u>more</u>
V1504	Right Rear Airbag Equipped	0	No	<u>more</u>
V1505	Driver Airbag Deployed	1	Yes	<u>more</u>
V1506	Rght Front Airbag Deploy	1	Yes	<u>more</u>
V1507	Left Rear Airbag Deploy	8	Not applicable (no airbag)	<u>more</u>
V1508	Rught Rear Airbag Deploy	8	Not applicable (no airbag)	<u>more</u>
V1509	Driver On/off Switch	0	Not equipped (no switch)	<u>more</u>
V1510	Rght Front On/off Switch	0	Not equipped (no switch)	more
V1511	Left Rear On/off Switch	8	Not applicable (no airbag)	<u>more</u>
V1512	Right Rear On/off Switch	8	Not applicable (no airbag)	more
V1513	Driver Airbag Location	1	Steering wheel	<u>more</u>
V1514	Right Front Airbag Location	3	Mid instrument panel	more
V1515	Left Rear Airbag Location	0	No airbag	<u>more</u>
V1516	Right Rear Airbag Location	0	No airbag	more
V1517	Driver Airbag Condition	0	No damage	<u>more</u>
V1518	Right Front Airbag Condition	0	No damage	<u>more</u>
V1519	Left Rear Airbag Condition	8	Not applicable (not equipped / not deployed)	more
V1520	Right Rear Airbag Condition	8	Not applicable (not equipped / not deployed)	more
V1521	Driver Airbag Tether	1	Yes	more
V1522	Right Front Airbag Tether	0	No	<u>more</u>
V1523	Left Rear Airbag Tether	8	Not applicable	<u>more</u>
V1524	Right Rear Airbag Tether	8	Not applicable	more
V1525	Driver Marked By Contact	0	No	more

V1526	Right Front Marked By Contact	0	No	more
V1527	Left Rear Marked By Contact	8	Not applicable (no airbag / not deployed)	more
V1528	Right Rear Marked By Contact	8	Not applicable (no airbag / not deployed)	more
V1529	Driver Module Type	3	U-pattern flaps	more
V1530	Right Front Module Type	1	H-pattern flaps	more
V1531	Left Rear Module Type	0	No airbag present	more
V1532	Right Rear Module Type	0	No airbag present	more
V1533	Driver Module Cover Dam.	1	Flaps not damaged / marked	more
V1534	Right Front Module Cover Dam.	1	Flaps not damaged / marked	more
V1535	Left Rear Module Cover Dam.	0	No airbag	more
V1536	Right Rear Module Cover Dam.	0	No airbag	more
V1537	Driver Airbag Type	1	Original equipment	more
V1538	Right Front Airbag Type	1	Original equipment	more
V1539	Left Rear Airbag Type	0	No airbag	more
V1540	Right Rear Airbag Type	0	No airbag	more
V1541	Driver Airbag Vents	1	No vents - porous airbag	more
V1542	Right Front Airbag Vents	1	No vents - porous airbag	more
V1543	Left Rear Airbag Vents	0	No airbag	more
V1544	Right Rear Airbag Vents	0	No airbag	<u>more</u>
V1545	Driver Knee Bolster Equipped	0	No	more
V1546	Right Front Knee Bolster Equipped	0	No	more
V1547	Left Rear Knee Bolster Equipped	0	No	more
V1548	Right Rear Knee Bolster Equipped	0	No	more
V1549	Driver Knee Bolster Deploy	8	Not appicable (no airbag)	more
V1550	Right Front Knee Bolster Deploy	8	Not appicable (no airbag)	more
V1551	Left Rear Knee Bolster Deploy	8	Not appicable (no airbag)	more
V1552	Right Rear Knee Bolster Deploy	8	Not appicable (no airbag)	more
V1553	Left Front Number of Tethers	2	Tethers	more

V1554	Left Front Number of Vents	8	Not appicable (no airbag)	<u>more</u>
V1555	Right Front Number of Tethers	8	Not appicable (no airbag)	<u>more</u>
V1556	Right Front Number of Vents	8	Not appicable (no airbag)	more
V1557	Left Rear Number of Tethers	8	Not appicable (no airbag)	more
V1558	Left Rear Number of Vents	8	Not appicable (no airbag)	more
V1559	Right Rear Number of Tethers	8	Not appicable (no airbag)	more
V1560	Right Rear Number of Vents	8	Not appicable (no airbag)	more

Case Vehicle Interior

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1601	Left Front Door Damaged	0	No	<u>more</u>
V1602	Right Front Door Damaged	0	No	<u>more</u>
V1603	Left Front Hardware Damaged	0	No	more
V1604	Right Front Hardware Damaged	0	No	more
V1605	Left Front Armrest Damaged	0	No	<u>more</u>
V1606	Right Front Armrest Damaged	0	No	more
V1607	Left Front Glass Damaged	0	No	<u>more</u>
V1608	Right Front Glass Damaged	0	No	<u>more</u>
V1609	Left Rear Door Area Damaged	0	No	more
V1610	Right Rear Door Area Damaged	0	No	more
V1611	Left Rear Hardware Damaged	0	No	more
V1612	Right Rear Hardware Damaged	0	No	more
V1613	Left Rear Armrest Damaged	0	No	<u>more</u>
V1614	Right Rear Armrest Damaged	0	No	<u>more</u>
V1615	Left Rear Glass Damaged	0	No	<u>more</u>
V1616	Right Rear Glass Damaged	0	No	<u>more</u>
V1617	Left Roof Side Rail Damaged	0	No	more
V1618	Right Roof Side Rail Damaged	0	No	more
V1619	Left B-pillar Damaged	0	No	<u>more</u>

V1620	Right B-pillar Damaged	0	No	<u>more</u>
V1621	Left C-pillar Damaged	0	No	more
V1622	Right C-pillar Damaged	0	No	more
V1623	Left D-pillar Damaged	0	No	more
V1624	Right D-pillar Damaged	0	No	more
V1625	Left Headlining Damaged	0	No	more
V1626	Right Headlining Damaged	0	No	more
V1627	Left Roof Structure Damaged	0	No	more
V1628	Right Roof Structure Damaged	0	No	more
V1629	Left T/sun Roof Damaged	8	Not applicable	<u>more</u>
V1630	Right T/sun Roof Damaged	8	Not applicable	<u>more</u>
V1631	Other Left Side Item Damagd	8	Not applicable	<u>more</u>
V1632	Other Right Side Item Damagd	8	Not applicable	more
V1633	Foot Controls Damaged	4	Yes, occupant contact	<u>more</u>
V1634	Ignition Key Damaged	0	No	more
V1635	Rear View Mirror Damaged	0	No	<u>more</u>
V1636	Sunvisor/fitting Damaged	0	No	<u>more</u>
V1637	Windshld Molding Damaged	0	No	<u>more</u>
V1638	Left A-pillar Damaged	0	No	<u>more</u>
V1639	Right A-pillar Damaged	0	No	more
V1640	Console Damaged	8	Not applicable	more
V1641	Transmissn Lever Damaged	0	No	<u>more</u>
V1642	Horn/spoke Shroud Damagd	4	Yes, occupant contact	more
V1643	Upper Panel Damaged	0	No	more
V1644	Mid Panel Damaged	0	No	more
V1645	Lower Panel Damaged	4	Yes, occupant contact	more
V1646	Ashtray Damaged	0	No	more
V1647	Control Knob/lever Damaged	0	No	more
V1648	Glove Compart Area Damaged	0	No	more
V1649	Instruments Damaged	0	No	more
V1650	Park Brake Release Damaged	0	No	<u>more</u>
V1651	Park Brake Pedal Damaged	0	No	more
V1652	A/c Or Upper Vent Damagd	0	No	more
V1653	Heater Or A/c Duct Damaged	0	No	more
V1654	Radio Damaged	0	No	more
V1655	Other Front Item Damaged	8	Not applicable	more

V1656	Rear Backlight Damaged	0	No	<u>more</u>
V1657	Backlight Header Damaged	0	No	more
V1658	Vertical Console Damaged	0	No	more
V1659	Roof Console Damaged	0	No	<u>more</u>

Case Vehicle Seats Back to Top

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1701	Driver Front Seat Type	05	Bucket	<u>more</u>
V1702	Passenger Front Seat Type	05	Bucket	<u>more</u>
V1703	Driver Seat Mount Type	1	Standard	more
V1704	Passenger Seat Mount Type	1	Standard	more
V1705	Driver Swivel Mech Equipped	0	No	<u>more</u>
V1706	Passenger Swivel Mech Equipped	0	No	more
V1707	Driver Seat Original Equipment	1	Yes	<u>more</u>
V1708	Passenger Seat Original Equipment	1	Yes	<u>more</u>
V1709	Driver Seat/rear Oc Contct	8	Not applicable	more
V1710	Passenger Seat/rear Oc Contct	8	Not applicable	<u>more</u>
V1711	Driver Seat Damage	0	None	<u>more</u>
V1712	Passenger Seat Damage	0	None	<u>more</u>
V1713	Cntr Frnt Armrest Damagd	0	No	more
V1714	Driver Seat-back Rotation	0	None apparent	<u>more</u>
V1715	Passenger Seat-back Rotation	0	None apparent	<u>more</u>
V1716	Driver Seat-back Type	3	Reclining	<u>more</u>
V1717	Passenger Seat-back Type	3	Reclining	<u>more</u>
V1718	Driver Seat-back Lock Type	1	Manual	<u>more</u>
V1719	Passenger Seat-back Lock Type	1	Manual	<u>more</u>
V1720	Driver Seat-back Lock Held	1	Yes	more
V1721	Passenger Seat-back Lock Held	1	Yes	more
V1722	Driver Recliner Mech Held	1	Yes	more
V1723	Passenger Recliner Mech Held.	1	Yes	more

V1724	Driver Head Restraint Type	2	Integral	<u>more</u>
V1725	Passenger Head Restraint Type	2	Integral	more
V1726	Driver Head Rest Removed	8	Not applicable	more
V1727	Passenger Head Rest Removed	8	Not applicable	more
V1728	Driver Head Rest Adjustmnt	8	Not applicable	more
V1729	Passenger Head Rest Adjustmnt	8	Not applicable	<u>more</u>
V1730	Driver Head Rest Damage	0	None	more
V1731	Passenger Head Rest Damage	0	None	more
V1732	Driver Rear Impact Counter	0	None	more
V1733	Passenger Rear Impact Counter	0	None	<u>more</u>
V1734	Driver Seat Adjustmnt Type	1	Manual	more
V1735	Passenger Seat Adjustmnt Type	1	Manual	more
V1736	Driver Seat Adjust Provisn	1	2-way	<u>more</u>
V1737	Passenger Seat Adjust Provisn	1	2-way	more
V1738	Driver Seat Adjuster Dam	0	None	<u>more</u>
V1739	Passenger Seat Adjuster Dam	0	None	more
V1740	Driver Seat Adjuster Sep	8	Not applicable	more
V1741	Passenger Seat Adjuster Sep	8	Not applicable	more
V1742	Driver Seat Pre-crash Pos	3	Rearward	more
V1743	Passenger Seat Pre-crash Pos	3	Rearward	more
V1744	Left Rear Seat Type	1	Non-folding	<u>more</u>
V1745	Rght Rear Seat Type	1	Non-folding	more
V1746	Left Rear Seat Damage	0	None	more
V1747	Rght Rear Seat Damage	0	None	more
V1748	Cntr Rear Armrest Damagd	8	Not applicable	<u>more</u>
V1749	Left Rear Seat-back Left Lock Equipped	1	Yes	more
V1750	Right Rear Seat-back Left Lock Equipped	0	No	more
V1751	Left Rear Seat-back Left Lock Held	1	Yes	more
V1752	Right Rear Seat-back Left Lock Held	8	Not applicable	more
V1753	Left Rear Seat-back Right Lock Equipped	0	No	more

V1754	Right Rear Seat-back Right Lock Equipped	1	Yes	more
V1755	Left Rear Seat-back Right Lock Held	8	Not applicable	more
V1756	Right Rear Seat-back Right Lock Held	1	Yes	more
V1757	Left 3rd Seat Equipped	1	Yes	<u>more</u>
V1758	Right 3rd Seat Equipped	1	Yes	<u>more</u>
V1759	Left 3rd Row Type Seat	2	Folding	more
V1760	Right 3rd Row Type Seat	2	Folding	more
V1761	Left 3rd Seat Damage	0	No	more
V1762	Right 3rd Seat Damage	0	No	<u>more</u>
V1763	Left 3rd Seat Cushion Dam	8	Not applicable	more
V1764	Right 3rd Seat Cushion Dam	8	Not applicable	<u>more</u>
V1765	Left 3rd Seat L/c Lock Equipped	1	Yes	more
V1766	Right 3rd Seat L/c Lock Equipped	0	No	more
V1767	Left 3rd Seat L/c Lock Held	3	Seat folded down	more
V1768	Right 3rd Seat L/c Lock Held	8	Not applicable	more
V1769	Left 3rd Seat Right Lock Equipped	0	No	<u>more</u>
V1770	Right 3rd Seat Right Lock Equipped	1	Yes	more
V1771	Left 3rd Seat Right Lock Held	8	Not applicable	more
V1772	Right 3rd Seat Right Lock Held	3	Seat Folded Down	more
V1773	Rear Head Restraints	1	Equipped	<u>more</u>

Case Vehicle Side Airbag(s)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1801	Side Airbag Equipped	0	Not equipped	more
V1802	Left Front Seatback Mount Deploy	0	Not equipped	more
11 V I X I X	Right Front Seatback Mount Deploy	0	Not equipped	more
V1804	Left Rear Seatback Mount Deploy	0	Not equipped	more

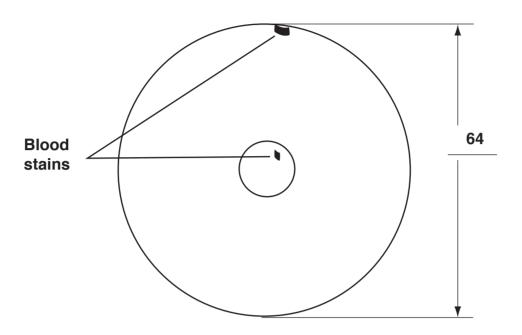
V1805	Right Rear Seatback Mount Deploy	0	Not equipped	more
V1806	Left Front Seatback Module Type	0	Not equipped	more
V1807	Right Front Seatback Module Type	0	Not equipped	more
V1808	Left Rear Seatback Module Type	0	Not equipped	more
V1809	Right Rear Seatback Module Type	0	Not equipped	more
V1810	Left Front Seatback Airbag Type	0	Not equipped	more
V1811	Right Front Seatback Airbag Type	0	Not equipped	more
V1812	Left Rear Seatback Airbag Type	0	Not equipped	more
V1813	Right Rear Seatback Airbag Type	0	Not equipped	more
V1814	Left Front Seatback Airbag Cond.	0	Not equipped	<u>more</u>
V1815	Right Front Seatback Airbag Cond.	0	Not equipped	<u>more</u>
V1816	Left Rear Seatback Airbag Cond.	0	Not equipped	more
V1817	Right Rear Seatback Airbag Cond.	0	Not equipped	more
V1818	Left Front Door-mounted Deploy	0	Not equipped	<u>more</u>
V1819	Right Front Door-mounted Deploy	0	Not equipped	<u>more</u>
V1820	Left Rear Door-mounted Deploy	0	Not equipped	<u>more</u>
V1821	Right Rear Door-mounted Deploy	0	Not equipped	<u>more</u>
V1822	Left Front Door Module Type	0	Not equipped	<u>more</u>
V1823	Right Front Door Module Type	0	Not equipped	<u>more</u>
V1824	Left Rear Door Module Type	0	Not equipped	more
V1825	Right Rear Door Module Type	0	Not equipped	more
V1826	Left Front Door Airbag Type	0	Not equipped	more
	Right Front Door Airbag	0		

V1827	Туре		Not equipped	<u>more</u>
V1828	Left Rear Door Airbag Type	0	Not equipped	more
V1829	Right Rear Door Airbag Type	0	Not equipped	more
V1830	Left Front Door Airbag Condition	0	Not equipped	more
V1831	Right Front Door Airbag Condition	0	Not equipped	<u>more</u>
V1832	Left Rear Door Airbag Condition	0	Not equipped	<u>more</u>
V1833	Right Rear Door Airbag Condition	0	Not equipped	more
V1834	Left Front Roof Mounted Deploy	0	Not equipped	<u>more</u>
V1835	Right Front Roof Mounted Deploy	0	Not equipped	more
V1836	Left Rear Roof Mounted Deploy	0	Not equipped	more
V1837	Right Rear Roof Mounted Deploy	0	Not equipped	more
V1838	Left Front Roof Module Type	0	Not equipped	more
V1839	Right Front Roof Module Type	0	Not equipped	more
V1840	Left Rear Roof Module Type	0	Not equipped	<u>more</u>
V1841	Right Rear Roof Module Type	0	Not equipped	more
V1842	Left Front Roof Airbag Type	0	Not equipped	more
V1843	Right Front Roof Airbag Type	0	Not equipped	<u>more</u>
V1844	Left Rear Roof Airbag Type	0	Not equipped	more
V1845	Right Rear Roof Airbag Type	0	Not equipped	more
V1846	Left Front Roof Airbag Condition	0	Not equipped	more
V1847	Right Front Roof Airbag Condition	0	Not equipped	more
V1848	Left Rear Roof Airbag Condition	0	Not equipped	more
V1849	Right Rear Roof Airbag Condition	0	Not equipped	more

EDR Event Data Recorder Back to					
Variable	Code	Other			

Number	Variable Name	Value	Code Description	Options
V1901	Case Vehicle EDR Equipped	0	Not equipped	<u>more</u>
V1902	Type Of File Recovered	0	Not equipped	<u>more</u>
V1903	EDR Pre-crash Braking	0	Not equipped	<u>more</u>
V1904	Event Data Recorder (EDR) Pre-impact Speed	91	Not equipped	more
V1905	EDR Driver Belt Status	0	Not equipped	more
V1906	EDR Right Front Belt Status	0	Not equipped	<u>more</u>
V1907	Right Front Airbag Suppressed	0	Not equipped	more
V1908	Sir Warning Lamp Status	0	Not equipped	<u>more</u>
V1909	Time Between Near Deployment and Deployment (in Seconds)	0	Not equipped	more
V1910	Time Between Algorithm Enable and Deployment (in ms)	000	Not equipped	more
V1911	Maximum Recorded Longitudinal Velocity Change (mph))	000	No time / not collected	more
V1912	Maximum Recorded Lateral Velocity Change (mph))	000	No time / not collected	<u>more</u>
V1913	More Than One Deploy?	0	Not equipped	<u>more</u>

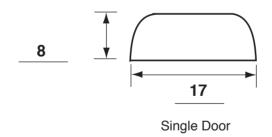
Driver Airbag

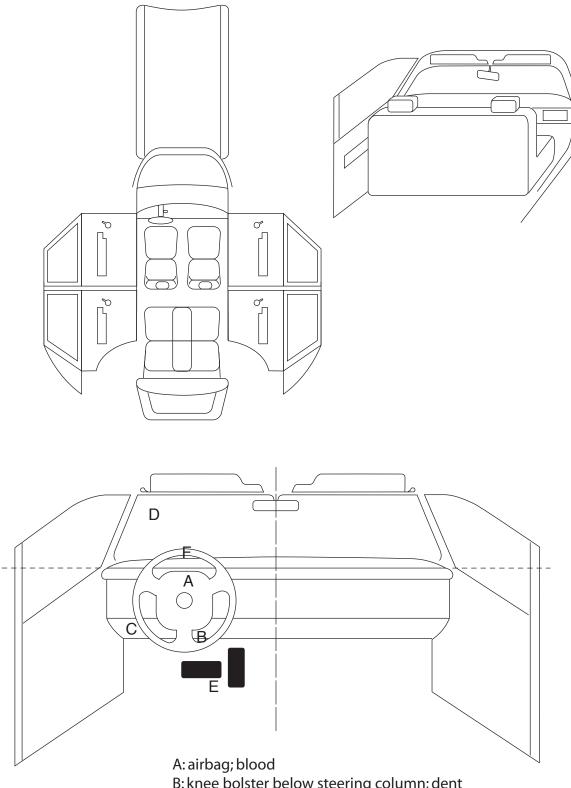


Vents: Y N if yes, how many:

Tethers: Y N
if yes, how many: 2

Driver Airbag Doors





B: knee bolster below steering column; dent

C: knee bolster; scuff

D: windshield; crack

E: brake pedal, deformed

F: steering-wheel rim; upper half deformed



Windshield cracked on upper left, possibly due to contact by the driver

WINDSHIELD MARK ON CASE VEHICLE:

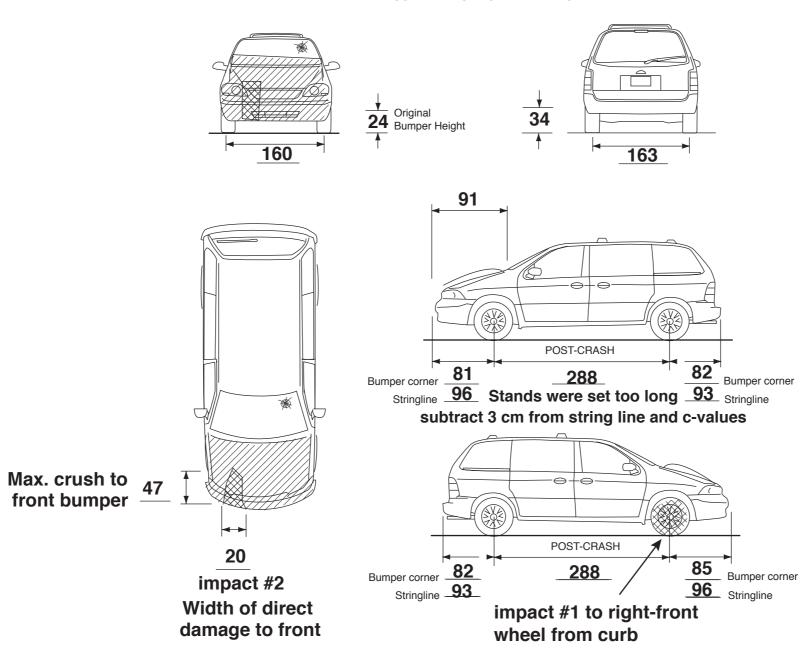


SAFEGUARD DOT-21 CC M54 T AS1 8

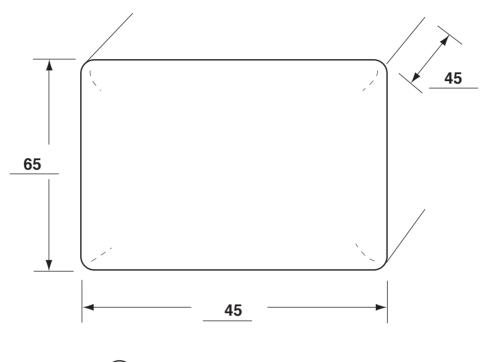


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MEASUREMENTS IN CENTIMETERS



Passenger Airbag



Vents: Y N if yes, how many:

Tethers: Y N if yes, how many:

Passenger Airbag Doors

H-Pattern

