

Case 475 : Narrative

Case Vehicle (A): 2000 Mazda	Vehicle (B): 1994 Ford
Type: 626, 4-door sedan	Type: E-150 Econoline van, 4x2
Driver: 34-year-old male	Driver: 16-year-old male
CDC: 12-FZEW-2	CDC: 99-0000-0

SITUATION

[1](#) [2](#) [3](#) [4](#) It was a clear day and the road surface was dry as case vehicle (A) was traveling west at an unknown speed in the right-westbound lane of a rural three-lane asphalt road with a posted speed limit of 55 mph (89 kph). [5](#) [6](#) Vehicle (B) was traveling east at an unknown speed in the eastbound left-turn lane and, [7](#) as case vehicle (A) approached the intersection with the north-south road, the driver of vehicle (B) began to make a left turn and entered the westbound lane. The driver of case vehicle (A) applied the brakes, as evidenced by skid marks on the road surface, but was unable to prevent the right front of case vehicle (A) from striking the right side of vehicle (B) in an L-type impact. After the impact, case vehicle (A) rotated clockwise and came to rest in the center of the intersection facing northeast. Vehicle (B) rotated clockwise and struck the front of vehicle (X), which was stopped in the right southbound lane at the stop sign. Vehicle (B) came to rest facing southeast in the southbound lanes. Both vehicles were towed from the scene due to damage.

The police accident report (PAR) indicates O-level injuries for the driver of case vehicle (A) and A-level injuries for the right-rear child passenger, who was transported to a local hospital and later airlifted to a trauma center where he was hospitalized for five days with head injuries. The PAR indicates O-level injuries for the driver of vehicle (B).

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[8](#) [9](#) Damage to the front of case vehicle (A) was moderate. Direct damage began at the right-front bumper corner and extended 75-cm to the left, resulting in 50-percent vehicle overlap (50 % VOL). The maximum rearward crush was 44 cm and it occurred at the right-front bumper corner.

[10](#) Using the WinSMASH crash-reconstruction program and crush profiles measured for case vehicle (A), the following impact severities were estimated for the L-type collision between the front of case vehicle (A) and the right side of vehicle (B):

		Estimated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case vehicle (A)	delta V	36 (23)	-32 (-20)	18 (11)
Vehicle (B)	delta V	23 (14)	-4 (-3)	-23 (-14)

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

[11](#) In the front, most of the damage was to the right and center sections of the bumper, with the left section of the bumper displaced forward. The right headlight assembly was damaged, the headlamp was shattered, and the right section of the grille was crushed. The right section of the hood was crushed rearward and folded up in the middle, and the hood latch was damaged and jammed. The right hood hinge was bent up and to the rear, which allowed the right-rear edge of the hood to elevate, but it did not contact the windshield. There was no damage to the left hood hinge but the left-rear section of the hood was slightly elevated. [12](#) There was a spider-web crack in the right section of the windshield from an unknown exterior source.

[13](#) On the right side, the fender was crushed and pushed rearward into the lower section of the right A-pillar, causing some minor damage to the pillar. [14](#) The right-front door was deformed and would not close after being opened. [15](#) There was no damage to the right-front wheel, but the tire was flat and the right wheelbase was reduced by 10 cm. [16](#) There was no damage to the right-rear wheel and there was no other damage to the right side.

[17](#) [18](#) [19](#) On the left side, the front tire was flat and there was no change in the left wheelbase. [20](#) There was no damage to the rear of case vehicle (A).

Interior

[21](#) [22](#) This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags, and both deployed during the frontal impact. [23](#) [24](#) There was no damage to the deployed steering-wheel airbag and there was no damage [25](#) to the module cover, but there were black marks on the airbag fabric. [26](#) [27](#) [28](#) [29](#) [30](#) [31](#) [32](#) There was no other interior damage in the driver area.

There was no damage in the center-front area but, [33](#) [34](#) in the right-front seating area, the glove-box door was separated from its attachments. [35](#) [36](#) [37](#) [38](#) [39](#) There was no other damage in the right-front area, [40](#) [41](#) there was no damage in the rear-seating area, and there were no intrusions into the occupant space.

OCCUPANT KINEMATICS AND INJURIES

[42](#) The 175-cm, 82-kg (5-ft 9-in, 180-lb) 34-year-old male driver was using the three-point belt and [21](#) the steering-wheel airbag deployed. During the frontal impact, the driver moved forward relative to the vehicle interior [43](#) [44](#) into the belt restraints and airbag. He did not sustain any injuries.

[45](#) [46](#) The 84-cm, 14-kg (2-ft 9-in, 30-lb) 16-month-old male right-rear passenger was seated in a forward-facing child seat that was secured with the three-point belt, [47](#) [48](#) [49](#) as evidenced by loading marks on the shoulder-belt webbing, but the harness in the child seat was not being used. During the frontal impact, he moved forward and to the right relative to the vehicle interior, into the back of the right-front seat backrest and headrest, and into the plastic cover over the D-ring for the right-front passenger seatbelt. He sustained several head injuries, probably from contact with the right-front seatback and/or headrest. These injuries include a left parietal subdural hematoma (small), a left-posterior parietal linear fracture, a left subgaleal hematoma, and loss of consciousness for less than thirty minutes. He sustained lacerations to the right side of the head and to the right side of the forehead, probably from contact with the plastic cover over the right-front D-ring. He also sustained contusions to the upper and lower areas on the left side of the back from an unknown source.

The attached tables and [50 51](#) drawings summarize the injuries for the belt-plus-airbag-restrained driver and the unrestrained child seated in a forward-facing child safety seat.

Occupant: Driver	Age: 34 years	Gender: Male		
Restraints: 3-point belt; steering-wheel airbag	Stature: 175 cm (5 ft, 9 in)	Mass: 82 kg (180 lb)		
Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
—	—	—	—	—
No injury	—	—	—	—
Maximum A.I.S. Level	0	—	—	—
Injury Severity Score	0	—	—	—

Occupant: Right rear	Age: 16 months	Gender: Male		
Restraints: Unrestrained in forward-facing child seat secured by vehicle 3-point belt	Stature: 84 cm (2 ft, 9 in)	Mass: 14 kg (30 lb)		
Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
—	—	—	—	—
Left parietal subdural hematoma, small	4	—	Right-front seatback and/or headrest	—
Left-posterior parietal linear fracture	2	—	Right-front seatback and/or headrest	—
Loss of consciousness, less than 30 minutes	2	—	Right-front seatback and/or headrest	—
Left subgaleal hematoma	1	—	Right-front seatback and/or headrest	—
Laceration, right side of forehead	1	—	Plastic cover over right-	—

			front D-ring	
Laceration, right side of head	1	—	Plastic cover over right-front D-ring	—
Contusions, upper and lower back on left side	1	Unknown	—	—
Maximum A.I.S. Level	4	—	—	—
Injury Severity Score	17	—	—	—

CASE NO.: 475

CASE VEHICLE: 2000 Mazda

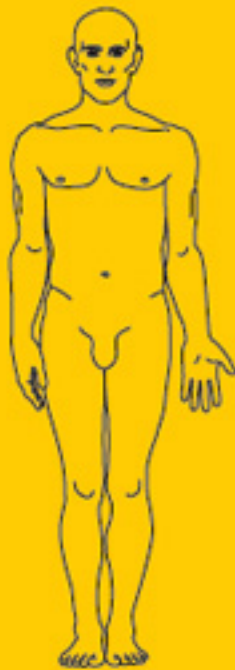
TYPE: 626, 4-door sedan

OCCUPANT: (Driver) 34-year-old male

STATURE: 175 cm (5 ft, 9 in) MASS: 82 kg (180 lb)

RESTRAINTS: 3-point belt; steering-wheel airbag

SEVERITY: MAIS - 0 ISS - 0



No Injury



CASE NO.: 475

CASE VEHICLE: 2000 Mazda

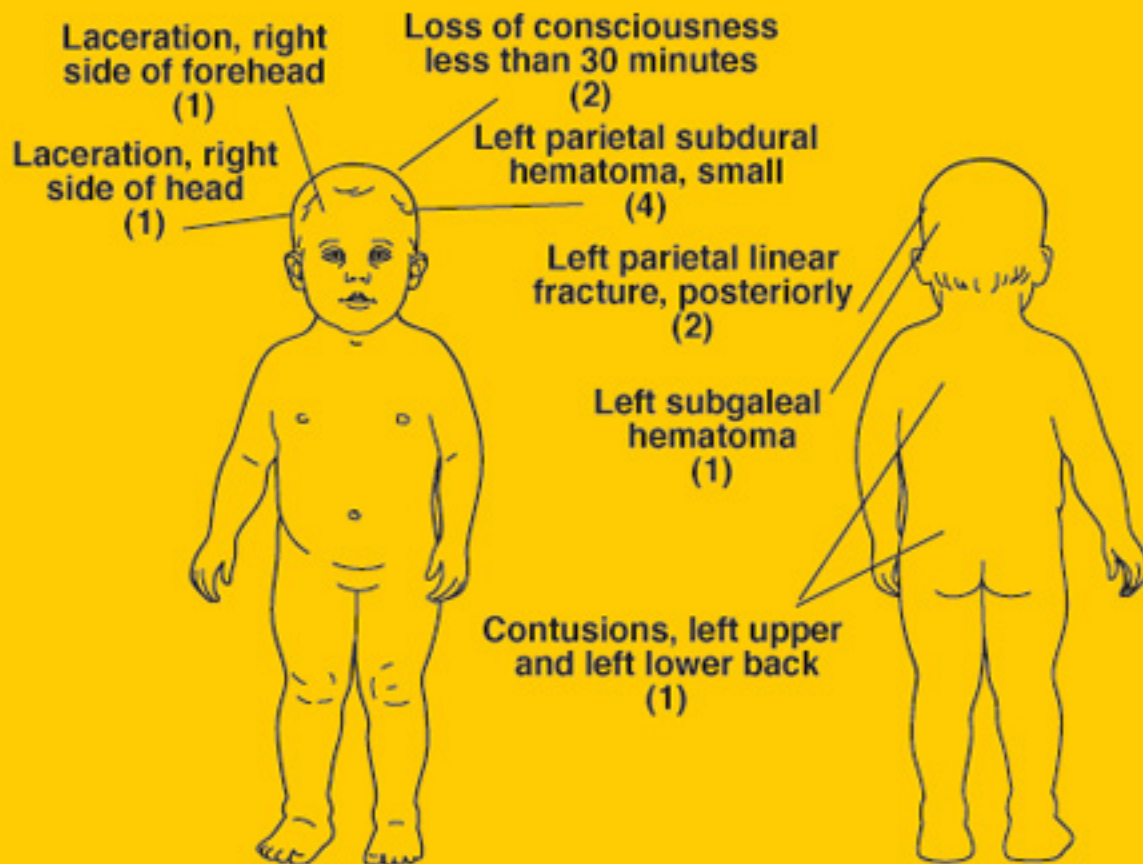
TYPE: 626, 4-door sedan

OCCUPANT: (Right rear) 16-month-old male

STATURE: 84 cm (2 ft, 9 in) MASS: 14 kg (30 lb)

RESTRAINTS: Unrestrained in forward-facing child seat
secured by vehicle 3-point belt

SEVERITY: MAIS - 4 ISS - 17



Case No.: 475

Case Veh. (A): 2000 Mazda

Type: 626, 4-door sedan

Driver: 34-year-old male

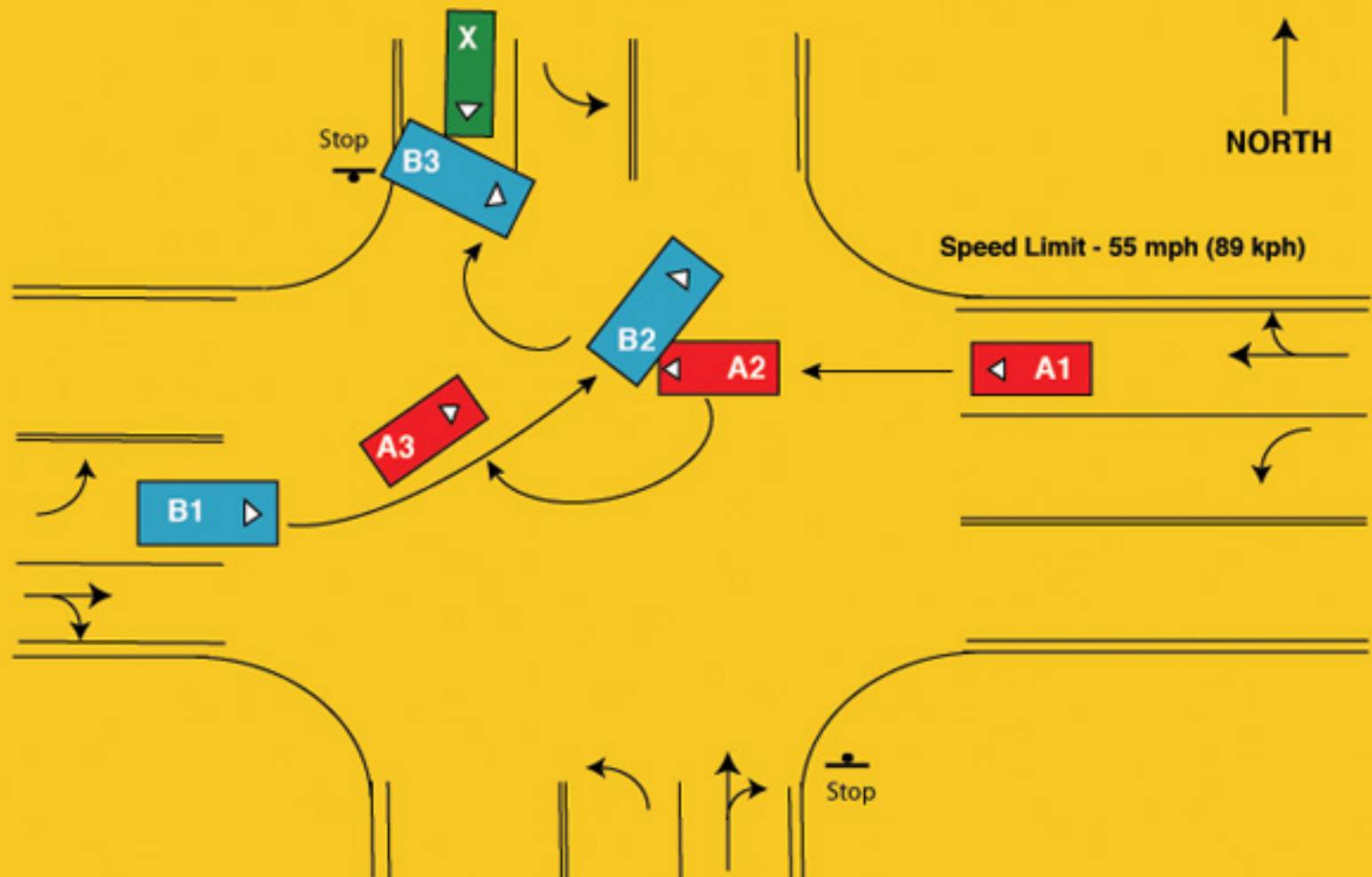
Vehicle (B): 1994 Ford E-150 Econoline van, 4x2

Weather: Clear

Road Surface: Dry

Road Construction: Asphalt

Light Conditions: Daylight



475: Vehicle Report

Click on Section Name to jump directly to that Section —

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

General Information

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0204	Collision Hour	1834	Time of day (24 hour clock)	more
V0205	State Fips Code	26	Michigan	more
V0206	Urban/rural Area	2	Rural	more
V0207	Limited Access Highway	0	No	more
V0208	Road Total Lanes	3	3 lanes	more
V0209	Intersect Road Total Lanes	3	3 lanes	more
V0210	Trafficway Flow	0	Not physically divided - two way traffic	more
V0211	Road Surface Type	1	Asphalt	more
V0212	Road Defects	0	No	more
V0213	Construction Zone	0	No	more
V0214	Road Alignment Vertical Plane	1	Level	more

V0215	Road Alignment Horizontal Plane	1	Straight	more
V0216	Surface Covering	10	Dry	more
V0217	Visibility Limitation	0	None	more
V0218	Visibility Obstruction	0	None	more
V0219	Speed Limit	6	86-90 km/h .. 55 mph	more
V0220	Precipitation Type	0	None	more
V0221	Precipitation Rate	8	Not applicable	more
V0222	Temperature	9	Unknown	more
V0223	Crosswind	9	Unknown	more
V0224	Light Conditions	1	Daylight	more
V0225	Mechanical Malfunction Mention	0	No	more
V0226	Case Vehicle And Object	0	No	more
V0227	Case Vehicle Rollover	0	No	more
V0228	Rollover Location	0	No rollover	more
V0229	Roll Direction	0	No rollover	more
V0230	Rollover Initiation Type	0	No rollover	more
V0231	Rollover Number Of Turns	0	No rollover	more
V0232	Case Vehicle Preimpact Braking	1	Yes	more
V0233	Case Vehicle Preimpact Stability	1	Case vehicle tracking before impact	more
V0234	Case Vehicle Ran Off Roadway	0	No	more
V0235	Moving Case Vehicle Contacted Moving Vehicle	1	Yes	more
V0236	Case Vehicle Contacted Stopped Vehicle	0	No	more
V0237	Stopped Case Vehicle Contacted Vehicle	0	No	more
V0238	Total Vehicles Hit By Case Vehicle	1	1 vehicle	more
V0239	Any Fire In Crash?	0	No	more
V0240	Maximum Police Severity-acc	3	A - Incapacitating Injury	more
V0241	Driver Alcohol Involvmnt	0	Had not been drinking	more
V0242	Driver Alcohol BAC (Case Vehicle)	80	No test	more
V0243	Driver Impairment Mention	0	No	more
V0244	Driver Distraction	01	Attentive or not distracted	more

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

Other Vehicle

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0301	Other Vehicle VIN	1FDEE14H7RXXXXXX	Click for Contacted Vehicle figure	more
V0302	Other Vehicle Manufacturer/Body Code	12111	—	—
V0303	Other Vehicle Manufacturer	121	Ford	more
V0304	Other Vehicle Body Code	11	Passenger van; panel or cargo van	more
V0305	Other Vehicle Make/model	3113	Econoline E150	more
V0306	Other Vehicle Model Year	1994	Year	more
V0307	Other Vehicle Mass	002295 kg	Mass (Kg.)	more
V0308	Other Vehicle Number	0	No separate report	more
V0309	Other Vehicle Number of Occupants	01	number of occupants	more
V0310	Other Vehicle Traveling Speed	999	Unknown	more
V0311	Highest Police Injury Severity	0	O - No Injury	more
V0312	Other Vehicle Type	11	Small van (e.g. Econoline)	more
V0313	Other Vehicle Wheelbase in Centimeters	350 cm	Actual Wheelbase (cm)	more
V0314	Other Vehicle Average Track Width	999	Unknown	more
V0315	Other Vehicle Overall Length	538 cm	actual measurement (cm)	more
V0316	Other Vehicle Overall Width (OAW)	202 cm	actual measurement (cm)	more
V0317	Other Vehicle Front Overhang	075 cm	actual measurement (cm)	more
V0318	Other Vehicle Rear	113 cm	actual measurement (cm)	more

	Overhang			
V0319	Other Vehicle Undeformed End Width (UEW)	999	Unknown	more
V0320	Other Vehicle Engine Displacement	5.8 l	Liters	more
V0321	Other Vehicle Engine: Number of Cylinders	08	number of cylinders	more
V0322	Other Vehicle Direct Damage Length (DDL)	999	Unknown	more
V0323	Other Vehicle Front-End Overlap	99	Missing or Not applicable	more
V0324	Other Vehicle - Vehicle Overlap	99	Missing or Not applicable	more

Case Vehicle General

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0401	VIN	1YVGF22C0YXXXXXXX	Click for Case Vehicle figure	more
V0402	Manufacturer/Body Code	18428	—	—
V0403	Vehicle Manufacturer	184	Mazda/America	more
V0404	Vehicle Body Code	28	Intermediate 105-109.9 in. wb.	more
V0405	Make/model Code	1834	626	more
V0406	Model Year	2000	Model year	more
V0407	Vehicle Mass	001299 kg	Mass (Kg)	more
V0408	Odometer Reading	999999	—	—
V0409	Number of Occupants	02	2 occupants	more
V0410	Traveling Speed	999	Unknown	more
V0411	Body Type	14	4-door sedan	more
V0412	Stolen Vehicle	8	Not currently collected	more
V0413	Body Structure	2	Unitized	more
V0414	Transmission Type	1	Automatic	more
V0415	Transmission Lever Location	3	Column	more
V0416	Steering	1	Power	more
V0417	Brakes	1	Power	more
V0418	Brake Type	2	Disc - front wheels	more
V0419	Adjustable Pedals?	9	Unknown	more

V0420	Brake Anti-lock Device	1	Two-wheel	more
V0421	Air Conditioning in Vehicle	8	Not currently collected	more
V0422	Drive Type	2	Front wheel	more
V0423	Dual Rear Wheels	0	No	more
V0424	Original Restraint System Type	3	Air bag	more
V0425	Equipped With Roll Bar	0	No	more
V0426	Roof Type	4	Sun roof closed	more
V0427	Case Vehicle Wheelbase in Centimeters	267 cm	Actual Wheelbase	more
V0428	Anti-lacerative Glass	8	Not Collected	more
V0429	Case Vehicle average track Width	152 cm	actual measurement (cm)	more
V0430	Case Vehicle Overall Length	474 cm	actual measurement (cm)	more
V0431	Case Vehicle Overall Width (OAW)	176	actual measurement (cm)	more
V0432	Case Vehicle Front Overhang	097 cm	actual measurement (cm)	more
V0433	Case Vehicle Rear Overhang	110 cm	actual measurement (cm)	more
V0434	Case Vehicle Undeformed End Width (UEW)	150 cm	actual measurement (cm)	more
V0435	Case Vehicle Engine Displacement	2.0 l	Liters	more
V0436	Case Vehicle Engine: Number of Cylinders	04	number of cylinders	more
V0437	Case Vehicle Direct Damage Length (DDL)	075 cm	actual measurement (cm)	more
V0438	Case Vehicle Front-end Overlap	50	percentage (%)	more
V0439	Case Vehicle - Vehicle Overlap	50	percentage (%)	more

Case Vehicle Damage Description

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options

V0501	Maximum Sheet Metal Crush - Front	044 cm	Depth of Crush (cm)	more
V0502	Maximum Sheet Metal Crush - Right Side	000 cm	No Crush (or less than 1 cm.)	more
V0503	Maximum Sheet Metal Crush - Rear	000 cm	No Crush (or less than 1 cm.)	more
V0504	Maximum Sheet Metal Crush - Left Side	000 cm	No Crush (or less than 1 cm.)	more
V0505	Maximum Sheet Metal Crush - Roof	000 cm	No Crush (or less than 1 cm.)	more
V0506	Maximum Sheet Metal Crush - Other	000 cm	No Crush (or less than 1 cm.)	more
V0507	Seq In Chronological Ord	1	Yes	more
V0508	Event 1 -impact Location	1	On Roadway	more
V0509	Event 1 -Impact Configuration	13	FRONT of case veh - SIDE of contacted veh	more
V0510	Event 1 -Object/Vehicle Contactd	11	Small van (e.g. Econoline)	more
V0511	Event 2 -impact Location	8	No 2nd event	more
V0512	Event 2 -Impact Configuration	88	No 2nd event	more
V0513	Event 2 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0514	Event 3 -impact Location	8	No 3rd event	more
V0515	Event 3 -Impact Configuration	88	No 3rd event	more
V0516	Event 3 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0517	Event 4 -impact Location	8	No 4th event	more
V0518	Event 4 -Impact Configuration	88	No 4th event	more
V0519	Event 4 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0520	Event 5 -impact Location	8	No 5th event	more
V0521	Event 5 -Impact Configuration	88	No 5th event	more
V0522	Event 5 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0523	Event 6 -impact Location	8	No 6th event	more
V0524	Event 6 -Impact Configuration	88	No 6th event	more
V0525	Event 6 -Object/Vehicle	00	No object/vehicle contacted	more

	Contactd			
V0526	Event 7 -impact Location	8	No 7th event	more
V0527	Event 7 -Impact Configuration	88	No 7th event	more
V0528	Event 7 -Object/Vehicle Contactd	00	No object/vehicle contacted	more
V0529	Primary CDC Case Vehicle - event Number	1	Event 1	more
V0530	Primary CDC Case Vehicle - Impact Speed (kph)	999	Unknown	more
V0531	Primary CDC Case Vehicle- estimatr	1	Investigator	more
V0532	Primary CDC Case Vehicle - Crush (CM)	044	Crush measurements in cm	more
V0533	Primary CDC Case Vehicle- clock #1	12	12 o'clock	more
V0534	Primary CDC Case Vehicle- Letter 1 #1	06	F - Front	more
V0535	Primary CDC Case Vehicle- Letter 2 #1	26	Z - Side or end (B + P or R + C)	more
V0536	Primary CDC Case Vehicle- Letter 3 #1	05	E - Everything below belt line	more
V0537	Primary CDC Case Vehicle- Letter 4 #1	23	W - Wide impact area	more
V0538	Primary CDC Case Vehicle Extent #1	02	Extent 2	more
V0539	Primary CDC - Contacted Vehicles Assoc CDC - CDC #1	12FZEW2	—	—
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)	999	Unknown	more
V0548	Primary CDC Contacted Vehicle-estimator	1	Investigator	more
V0549	Primary CDC Contacted Vehicle - Crush (CM)	999	Unknown	more
V0550	Primary CDC Contacted Vehicle-clock #1	99	Unknown or no damage	more
V0551	Primary CDC Contacted Vehicle-Letter 1 #1	00	Missing Data/Not applicable	more
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	9900000	—	—
V0557	Primary CDC Contacted Vehicle-clock #2	99	Unknown or no damage	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	9900000	—	—
V0564	Secondary CDC Case Vehicle-event No	8	Not applicable	more
V0565	Secondary CDC Case Vehicle - Impact Speed (kph)	998	Not Applicable	more
V0566	Secondary CDC Case Vehicle-estimator	8	Not applicable (no vehicle/no impact)	more
V0567	Secondary CDC Case Vehicle - Crush (CM)	998	Not Applicable	more

V0568	Secondary CDC Case Vehicle-clock #1	98	Not Applicable	more
V0569	Secondary CDC Case Vehicle-Letter 1 #1	00	Missing Data/Not applicable	more
V0570	Secondary CDC Case Vehicle-Letter 2 #1	00	Missing Data/Not applicable	more
V0571	Secondary CDC Case Vehicle-Letter 3 #1	00	Missing Data/Not applicable	more
V0572	Secondary CDC Case Vehicle-Letter 4 #1	00	Missing Data/Not applicable	more
V0573	Secondary CDC Case Vehicle Extent #1	00	Missing Data/Not applicable	more
V0574	Secondary CDC - Case Vehicle Assoc CDC - CDC #1	9800000	—	—
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-estimator	8	Not applicable (no vehicle/no impact)	more
V0584	Secondary CDC Contacted Vehicle - Crush (CM)	998	Not Applicable	more
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	—	—
V0592	Secondary CDC Contacted Vehicle-clock #2	98	Not Applicable	more
V0593	Secondary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	more
V0594	Secondary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	more
V0595	Secondary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	more
V0596	Secondary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	more
V0597	Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V0598	Secondary CDC - Contacted Vehicle Assoc CDC - CDC #2	9800000	—	—

Crash Reconstruction

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0601	Primary Delta-V Case Vehicle-event #	1	Event number 1	more
V0602	Primary Delta V Case Vehicle - Total Delta V	036 kph	kph	more
V0603	Primary delta-V Case Vehicle -LONGITUD	-032	—	—
V0604	Primary delta-V Case Vehicle-Lateral	0018	—	—
V0605	Primary Delta V Case Vehicle - Energy Dissipated by Crush (k	0549	—	—
V0606	Primary Delta-V Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	more
V0607	Primary Delta-V Case Vehicle- Mode	2	CDC & detailed damage	more
V0608	Primary Delta V Contacted	023 kph	kph	more

	Vehicle - Total Delta V			
V0609	Primary delta-V Contacted Vehicle-LONGITUD	-004	—	—
V0610	Primary delta-V Contacted Vehicle-Lateral	-023	—	—
V0611	Primary delta-V Contacted Vehicle - Energy Dissipated by Cru	0141	—	—
V0612	Secondary Delta-V Case Vehicle-event #	8	Not applicable	more
V0613	Secondary Delta V Case Vehicle - Total Delta V	888	Not applicable	more
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	more
V0618	Secondary Delta-V Case Vehicle- Mode	8	Not applicable	more
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	036 kph	kph	more
V0625	Primary EBS Case Vehicle - LONGITUD	-032	—	—
V0626	Primary EBS Case Vehicle-Lateral	0018	—	—
V0627	Primary EBS Case Vehicle - Energy Dissipated by Crush (kj)	0549	—	—
	Primary EBS Case Vehicle-		Reconstructed, moderate confidence	

V0628	Reconstruction	22	level	more
V0629	Primary EBS Case Vehicle-Mode	2	CDC & detailed damage	more
V0630	Primary EBS Contacted Vehicle - Total EBS	023 kph	kph	more
V0631	Primary EBS Contacted Vehicle-LONGITUD	-004	—	—
V0632	Primary EBS Contacted Vehicle-Lateral	-023	—	—
V0633	Primary EBS Contact Vehicle - Energy Dissipated by Crush (kj)	0141	—	—
V0634	Secondary EBS Case Vehicle-event #	8	Not applicable	more
V0635	Secondary EBS Case Vehicle - Total EBS	888	Not Applicable	more
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	more
V0640	Secondary EBS Case Vehicle- Mode	8	Not applicable	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)	1	Event number 1	more
V0646	Plane of Impact Case Vehicle (1)	1	Bumper	more
V0647	Direct Damage Length (DDL) - Case Vehicle (1)	075 cm	cm	more
V0648	Direct Damage Maximum Crush - Case Vehicle (1)	044 cm	cm	more

V0649	Direct and Induced Damage Length in CM	128 cm	cm	more
V0650	Field C1 - Case Vehicle (1)	000 cm	No Crush	more
V0651	Field C2 - Case Vehicle (1)	002 cm	cm	more
V0652	Field C3 - Case Vehicle (1)	013 cm	cm	more
V0653	Field C4 - Case Vehicle (1)	023 cm	cm	more
V0654	Field C5 - Case Vehicle (1)	042 cm	cm	more
V0655	Field C6 - Case Vehicle (1)	044 cm	cm	more
V0656	Direct Damage D Value = The Center of Direct Damage Offset t	+023 cm	Offset (cm)	more
V0657	Specific Event # Case(2)	1	Event number 1	more
V0658	Plane of Impact Case Vehicle (2)	1	Bumper	more
V0659	Direct Damage Length (DDL) - Case Vehicle (2)	075 cm	cm	more
V0660	Direct Damage Maximum Crush - Case Vehicle (2)	044 cm	cm	more
V0661	Direct and Induced Damage Length in CM	128 cm	cm	more
V0662	Field C1 - Case Vehicle (2)	000 cm	No Crush	more
V0663	Field C2 - Case Vehicle (2)	002 cm	cm	more
V0664	Field C3 - Case Vehicle (2)	013 cm	cm	more
V0665	Field C4 - Case Vehicle (2)	023 cm	cm	more
V0666	Field C5 - Case Vehicle (2)	042 cm	cm	more
V0667	Field C6 - Case Vehicle (2)	044 cm	cm	more
V0668	Direct Damage D Value = The Center of Direct Damage Offset t	+023 cm	cm	more
V0669	Specific Event # Cont(1)	1	Event number 1	more
V0670	Plane of Impact Contacted Vehicle(1)	9	Unknown	more
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
	Field C1 - Contacted Vehicle			

V0674	(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	+999 cm	offset (cm)	more
V0681	Specific Event # Contacted Vehicle (2)	1	Event number	more
V0682	Plane of Impact Contacted Vehicle(2)	9	Unknown	more
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	more
V0690	Field C5 - Contacted Vehicle (2)	999	Unknown	more
V0691	Field C6 - Contacted Vehicle (2)	999	Unknown	more
V0692	Direct Damage D Value = The Center of Direct Damage Offset t	+999 cm	Offset (cm)	more

Case Vehicle Tires & Rims

[Back to Top](#)

Variable Number	Variable Name	Code Value	Code Description	Other Options
V0701	Left Front Wheel Damaged	0	No	more
V0702	Right Front Wheel Damaged	0	No	more
V0703	Right Rear Wheel Damaged	0	No	more
V0704	Left Rear Wheel Damaged	0	No	more
V0705	Left Front Tire Tread Type	4	All Weather	more
V0706	Right Front Tire Tread Type	4	All Weather	more
V0707	Right Rear Tire Tread Type	4	All Weather	more
V0708	Left Rear Tire Tread Type	4	All Weather	more
V0709	Left Front Carcass Construction	3	Radial	more
V0710	Right Front Carcass Construction	3	Radial	more
V0711	Right Rear Carcass Construction	3	Radial	more
V0712	Left Rear Carcass Construction	3	Radial	more
V0713	Left Front Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0714	Right Front Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0715	Right Rear Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0716	Left Rear Tire Condition Precrash	0	Normal - no pre-crash problems	more
V0717	Left Front Tire Condition Postcrash	2	Completely deflated	more
V0718	Right Front Tire Condition Postcrash	2	Completely deflated	more
V0719	Right Rear Tire Condition Postcrash	0	Normal - no damage to tire	more
V0720	Left Rear Tire Condition Postcrash	0	Normal - no damage to tire	more
V0721	Left Front Tire Involvement	0	No	more
V0722	Right Front Tire Involvement	0	No	more
V0723	Right Rear Tire Involvement	0	No	more
V0724	Left Rear Tire Involvement	0	No	more
V0725	Left Front Tire Size	20560R15	—	—
V0726	Right Front Tire Size	20560R15	—	—
V0727	Right Rear Tire Size	20560R15	—	—

V0728	Left Rear Tire Size	20560R15	—	—
V0729	Left Front Tire Pressure (recorded in psi)	00.0 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)	40.0 psi	Actual tire pressure in psi	more
V0732	Left Rear Tire Pressure (recorded in psi)	34.0 psi	Actual tire pressure in psi	more
V0733	Left Front Tread Depth	05	05/32"	more
V0734	Right Front Tread Depth	05	05/32"	more
V0735	Right Rear Tread Depth	06	06/32"	more
V0736	Left Rear Tread Depth	06	06/32"	more

Case Vehicle Fuel Tank

[Back to Top](#)

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

Case Vehicle Fuel Leakage

[Back to Top](#)

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

Case Vehicle Fire

[Back to Top](#)

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

Case Vehicle Exterior

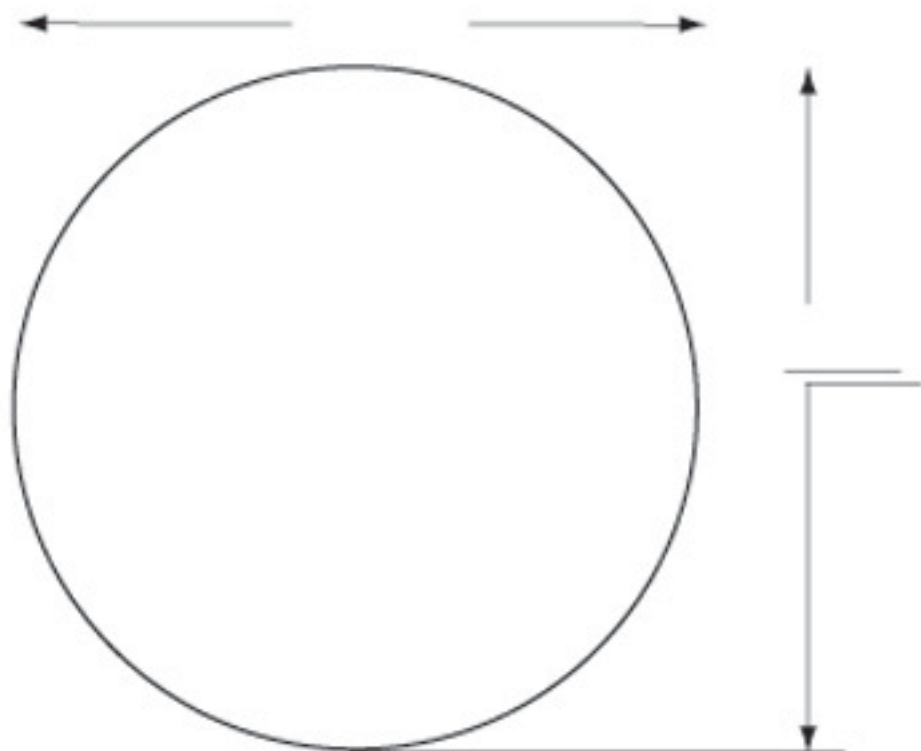
[Back to Top](#)

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

V1129	Cause	00	Door did not open	more
V1130	Left Front Door Jammed Closed	0	No	more
V1131	Left Rear Door Jammed Closed	0	No	more
V1132	Van Left Rear Door Type	8	Not applicable (not a van)	more
V1133	Left Front Glazing Availability	2	Closed	more
V1134	Left Rear Glazing Availability	2	Closed	more
V1135	Lr2 Glazing Availability	0	No glazing present	more
V1136	Left Front Glazing Damage	0	No damage	more
V1137	Left Rear Glazing Damage	0	No damage	more
V1138	Lr2 Glazing Damage	8	Not Applicable (No Door)	more
V1139	Rear Door Type	0	No door (includes pickups)	more
V1140	Rear Door Opening Cause	8	Not applicable (no rear door)	more
V1141	Rear Door Jammed Closed	8	Not applicable (no rear door)	more
V1142	Rear Glazng Availability	8	Not Applicable (No Door)	more
V1143	Rear Glazing Damage	8	Not Applicable (No Door)	more
V1144	Luggage Partition Damaged	0	No	more
V1145	Spare Tire Status	8	Not collected	more
V1146	Trailer Hitch Type	0	No hitch	more
V1147	Trailer Type	0	No trailer	more
V1148	Rght Side Body Mount Separated	8	Not applicable (unitized)	more
V1149	Upper Right A-pillar Separated	0	No	more
V1150	Lower Right A-pillar Separated	4	No separation, but damaged	more
V1151	Upper Right B-pillar Separated	0	No	more
V1152	Lower Right B-pillar Separated	0	No	more
V1153	Upper Right C-pillar Separated	0	No	more
V1154	Lower Right C-pillar Separated	0	No	more
V1155	Upper Right D-pillar Separated	8	Not applicable (not equipped)	more
V1156	Lower Right D-pillar Separated	8	Not applicable (not equipped)	more

V1157	Right Front Door Opening Cause	00	Door did not open	more
V1158	Right Rear Door Opening Cause	00	Door did not open	more
V1159	Right Front Door Jammed Closed	0	No	more
V1160	Right Rear Door Jammed Closed	0	No	more
V1161	Van Right-rear Door Type	8	Not applicable (not a van)	more
V1162	Right Front Glazing Availability	2	Closed	more
V1163	Right Rear Glazing Availability	2	Closed	more
V1164	Rr2 Glazing Availability	0	No glazing present	more
V1165	Right Front Glazing Damage	0	No damage	more

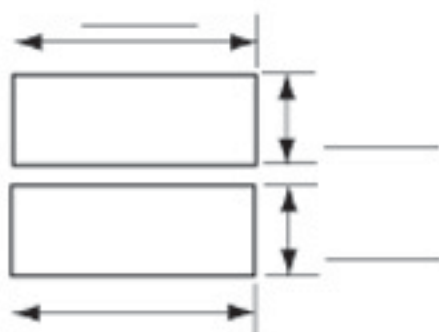
AIRBAG NUMBER ON DRIVER SIDE:



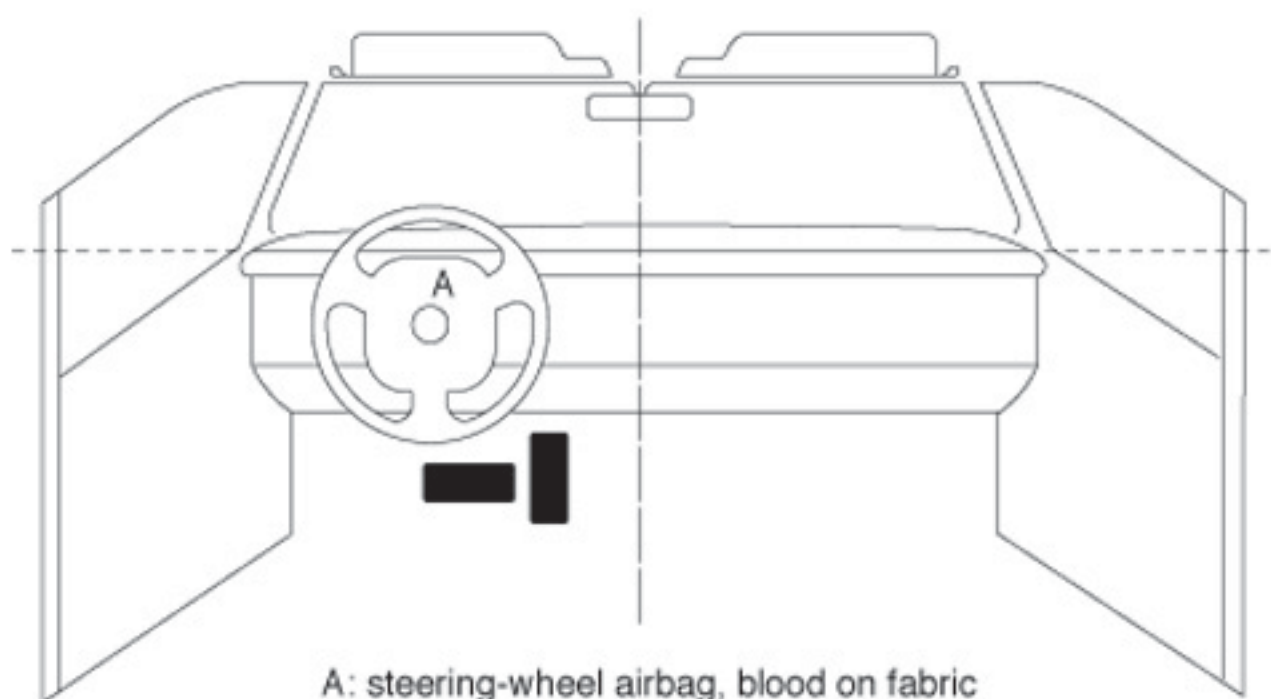
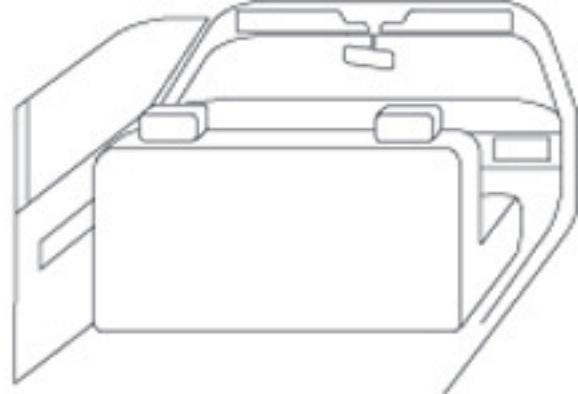
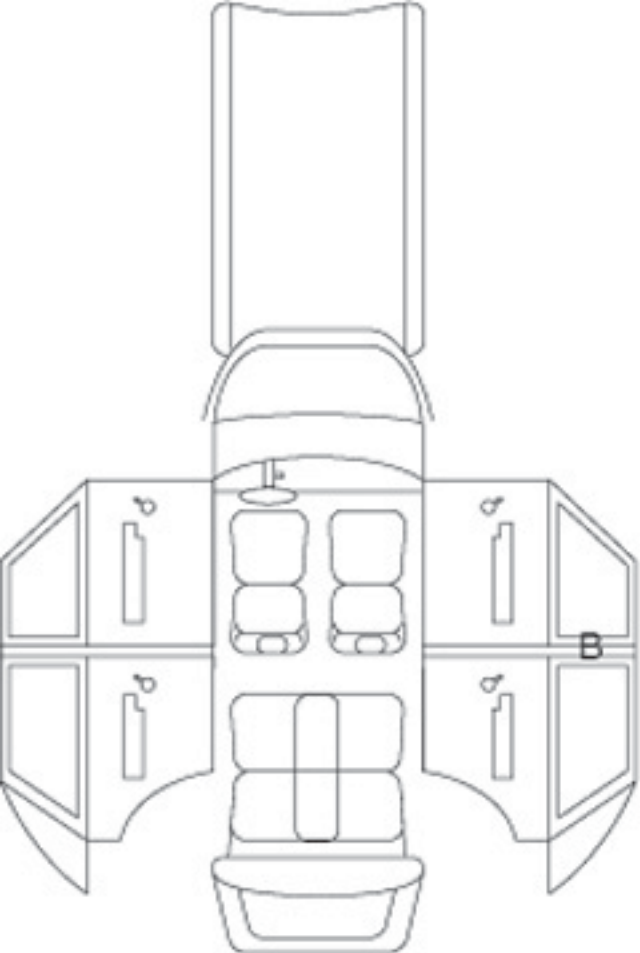
Vents: Y N
 if yes, how many: 2

Tethers: Y N
 if yes, how many: 4

Driver Airbag Doors

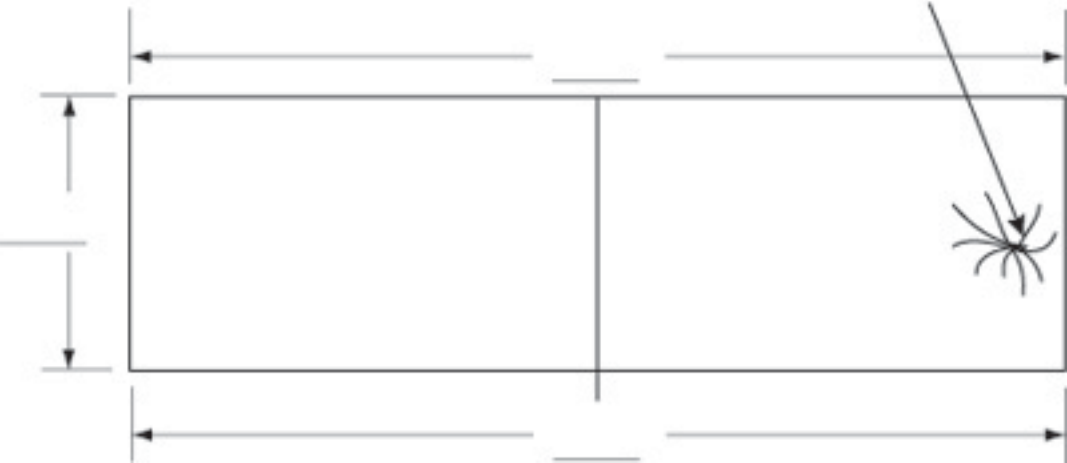


H-Pattern



A: steering-wheel airbag, blood on fabric
B: B-pillar, blood

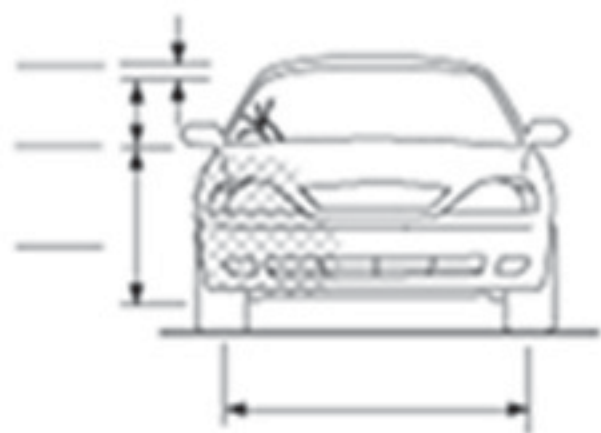
unknown outside
contact



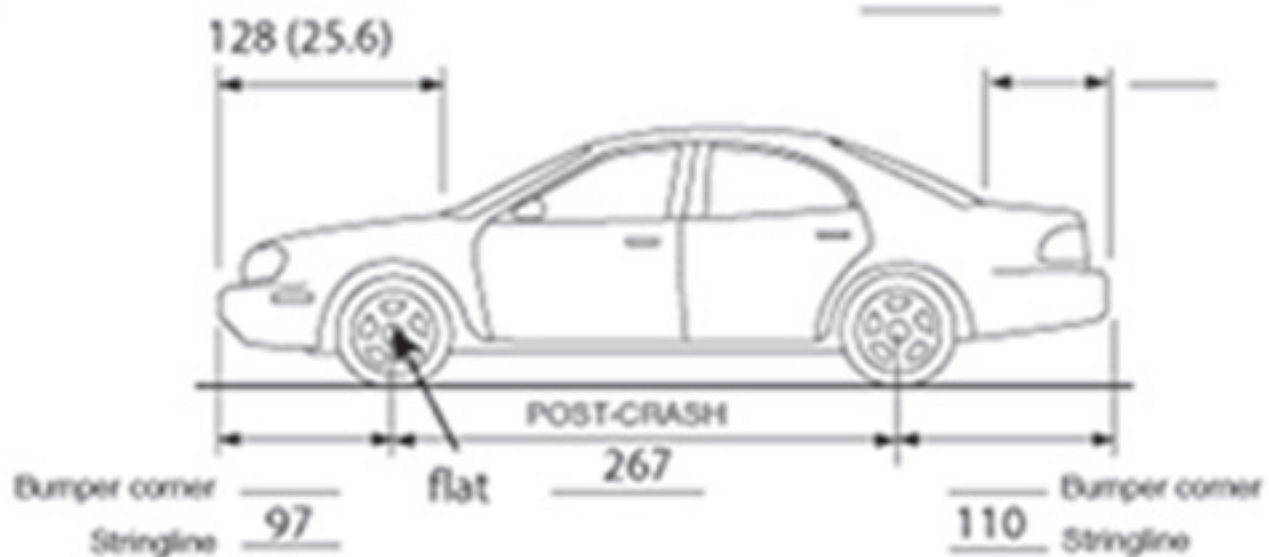
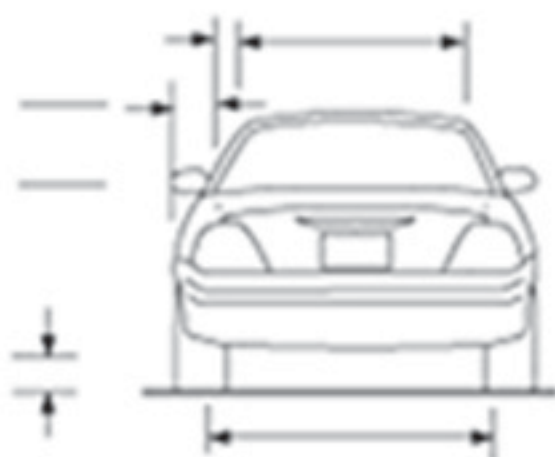
WINDSHIELD MARK ON CASE VEHICLE:

Unknown

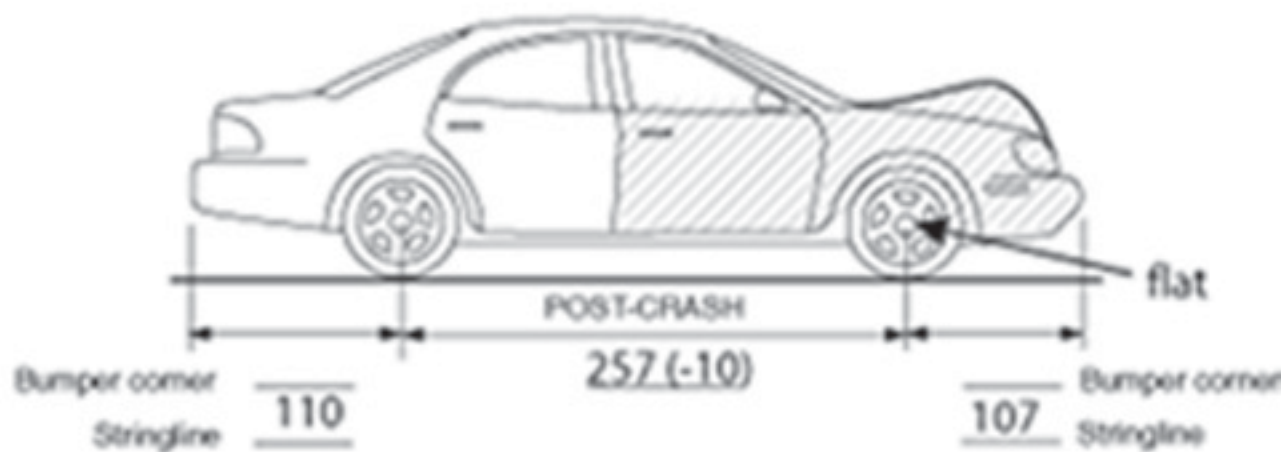
MEASUREMENTS IN CENTIMETERS



Original Bumper Height

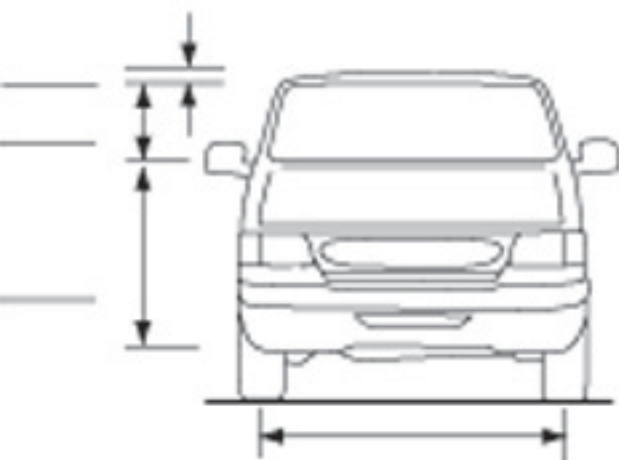


75-cm direct damage
44-cm max crush at C6

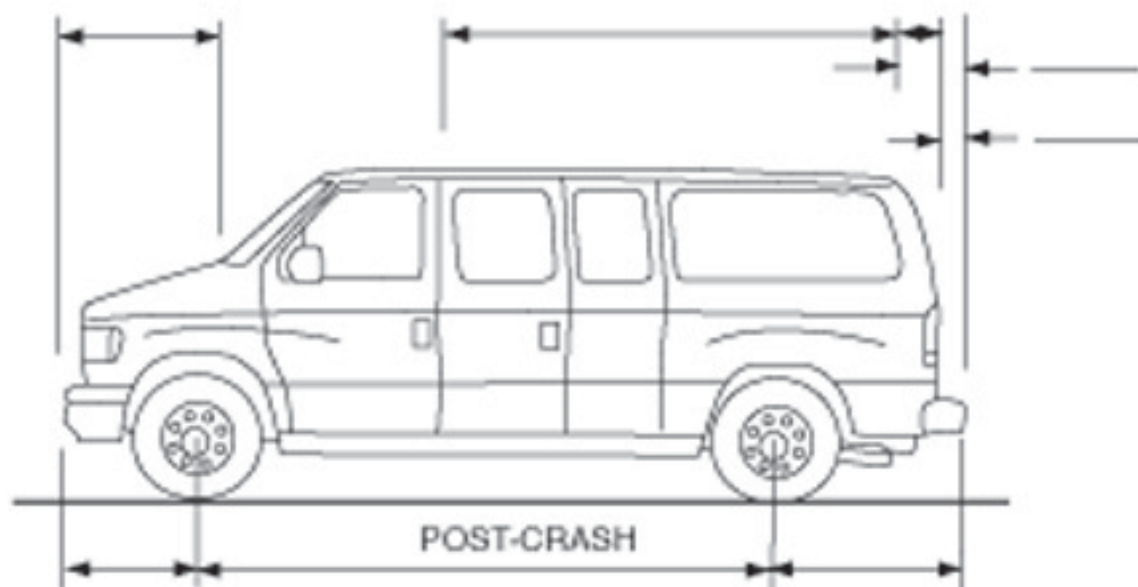
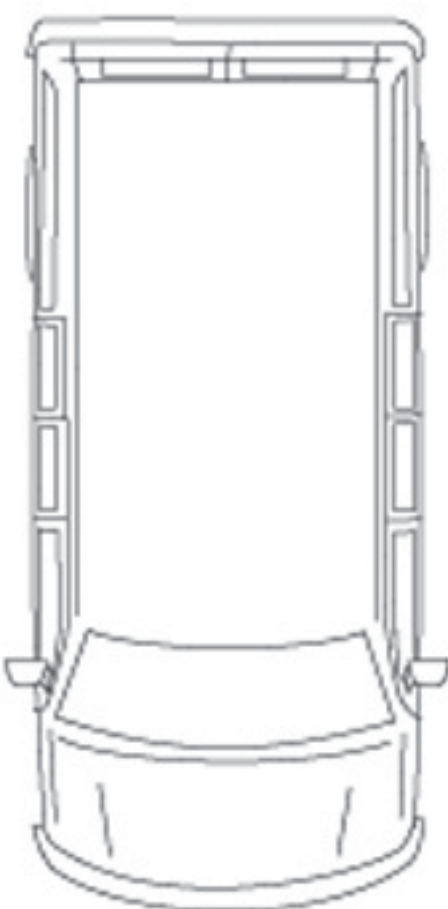
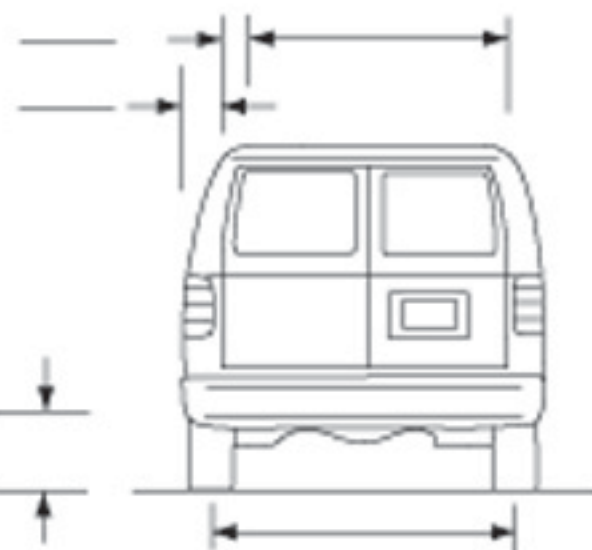


MEASUREMENTS IN CENTIMETERS

No inspection

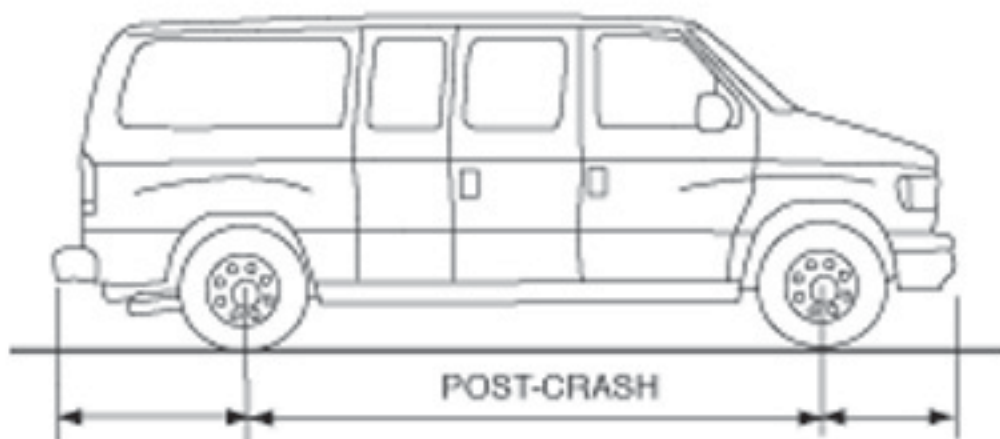


Original Bumper Height



Bumper corner
Stringline

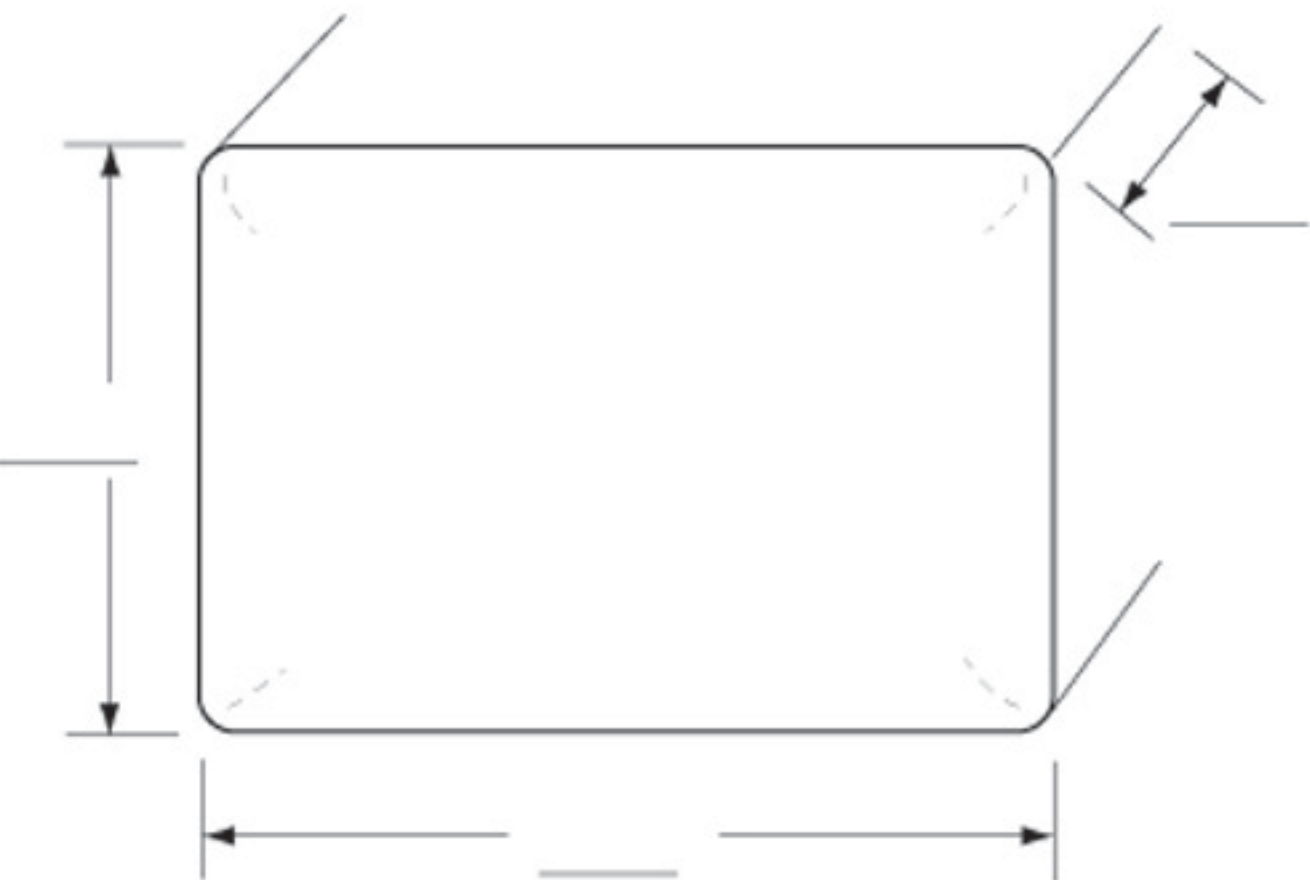
Bumper corner
Stringline



Bumper corner
Stringline

Bumper corner
Stringline

Passenger Airbag

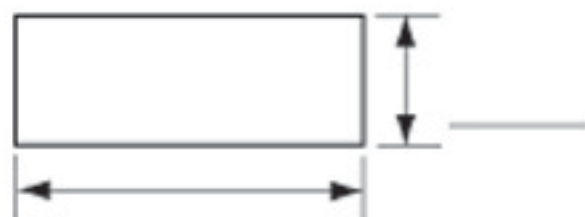


Vents: Y N
If yes, how many: 2

Tethers: Y N
If yes, how many: _____

Passenger Airbag Doors

Single Door




























⚠ WARNING



DEATH or SERIOUS INJURY can occur:

- Children 12 and under can be killed by the air bag.
- The BACK SEAT is the SAFEST place for children.
- NEVER put a child facing child seat in the front.
- Sit in the BACK as possible from the air bag.
- ALWAYS use SEAT BELTS and EAT & DRINK SAFELY.

A close-up photograph of a car's front passenger seat headrest. The headrest is dark grey or black with a textured surface. In the center of the headrest, the words "SRS AIRBAG" are printed in a light-colored, sans-serif font. Below the headrest, the white fabric of the seat is visible, featuring a grid-like pattern and red stitching along the edges. The background shows the car's interior, including the dashboard and the windshield with some reflections.

SRS AIRBAG







WARNING









Mazda
1.8i
EUS-AR11450



⚠ WARNING



DEATH or SERIOUS INJURY can occur

- Children 12 and under can be killed by the air bag
- The **BACK SEAT** is the **SAFEST** place for children
- **NEVER** put a rear-facing child seat in the front
- Sit as far back as possible from the air bag
- **ALWAYS** use **SEAT BELT** and **CHILD RESTRAINTS**



WARNING





SRS AIRBAG











3128



626

iEX

EXTREME

MAZDA



LR

BRIDGESTONE

BRIDGESTONE

17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



LF

PIRO 50

ASSURANCE

116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1







R.F.

PRO-60





















ONLY









