

## Case 459 : Narrative

Case Vehicle (A): 2002 Ford	Vehicle (B): 1990 Ford
Type: F150 XLT, Supercab, 4-door pickup	Type: Taurus LX, 4-door sedan
Driver: 44-year-old male	Driver: 43-year-old female
CDC: 01-FZEW-3	CDC: 99-0000-0

### SITUATION

[1](#) [2](#) [3](#) It was daylight and clear, and the asphalt surface of the urban two-lane, east-west road with a posted speed limit of 45 mph (72 kph) was dry. [4](#) [5](#) Case vehicle (A) was traveling west at an unknown speed in the westbound lane and [6](#) [7](#) [8](#) [9](#) vehicle (B) was traveling east at an unknown speed in the eastbound lane. As the vehicles approached each other, [10](#) the driver of case vehicle (A) began a left turn onto a T-type intersecting two-lane road to the south. As case vehicle (A) crossed the centerline into the eastbound lane, it was struck in the right front by the left front of vehicle (B). Both vehicles were towed from the scene due to damage.

The police accident report (PAR) indicates A-level injuries for the driver of case vehicle (A), who was transported by ambulance to a trauma center and hospitalized for one day. The PAR indicates C-level injuries for the driver and A-level injuries for the passenger of vehicle (B), and they were transported to a local hospital for treatment.

### GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[11](#) Damage to the front of case vehicle (A) was moderate, with the majority of the damage to the right and the center sections of the front end. [12](#) Direct damage began at the right corner of the front bumper and extended 94-cm across the front of the vehicle, resulting in 54% vehicle overlap (%VOL). The maximum rearward crush was 55 cm and it occurred at the right-front bumper corner.

Vehicle (B) was not available for inspection.

[13](#) [14](#) [15](#) [16](#) [17](#) Using the missing-vehicle algorithm of the WinSMASH crash-reconstruction program and crush profiles measured for case vehicle (A), the following impact severities were estimated:

		Estimated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	38 (23)	-33 (-20)	-19 (-12)
Vehicle (B)	delta V	53 (33)	-52 (-32)	9 (6)

### DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

#### Exterior

[18](#) In the front, the right and the center sections of the bumper were crushed rearward, and the left section was deflected forward. [19](#) The front fascia and the radiator were crushed rearward into the engine compartment, [20](#) and the right headlight assembly was damaged, including a shattered headlamp. [21](#) The hood latch was damaged during the crash but it had been cut to open the hood and [22](#) the hood was buckled slightly up. [23](#) [24](#) The hood hinges were not bent, the rear edge of the hood was not elevated, and the [25](#) windshield was not cracked.

[26](#) [27](#) On the right side, the fender was crushed rearward into the front wheel, [28](#) the tire was flat, and the wheel was pushed rearward, reducing the right wheelbase by 29 cm. [29](#) The rear edge of the fender was pushed into the lower section of the A-pillar and the forward section of the front door, but the door was operational and the window was intact. [30](#) [31](#) [32](#) There was no other damage to the right side of case vehicle (A).

[33](#) [34](#) [35](#) [36](#) [37](#) On the left side, the fender was buckled but the doors were undamaged and operational. All of the glazing was intact, there was no damage to the left-side wheels, and there was no change in the left wheelbase.

[38](#) [39](#) There was no damage to the rear of the case vehicle.

## Interior

[40](#) This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags and both deployed during the offset-frontal collision. [41](#) In the driver area, [46](#) there was no damage to the airbag or to the module covers, but [43](#) [44](#) [45](#) the upper half of the steering-wheel rim was deflected forward. [42](#) There were slight scuffmarks on the A-pillar grab handle but the handle was not bent. [47](#) [48](#) [49](#) [50](#) There were scuffmarks on the left and the right sides of the knee-bolster cover, and on the left side of the mid instrument panel. [51](#) There was no other damage in the driver area.

[52](#) There was no damage in the center-front area, but the [53](#) armrest/console between the seats was removed prior to inspection. [54](#) [55](#) There was no damage in the right-front seating area, there [56](#) [57](#) was no damage in the rear seating area, and there were no intrusions into the interior occupant spaces.

## OCCUPANT KINEMATICS AND INJURIES

[58](#) The 191-cm, 109-kg (6-ft 3-in, 240-lb) 44-year-old male driver was using the seat-integrated three-point belt with a [59](#) pretensioner that was activated by the crash, and the steering-wheel airbag deployed. Belt use at the time of the crash is indicated by [60](#) [61](#) belt loading marks on the continuous loop of the latch plate, [62](#) loading marks on the shoulder-belt webbing, [63](#) [64](#) and by the fact that the belt was locked in the extended mode and twisted and jammed in the seat-integrated D-ring.

During the offset-frontal impact, the male driver moved forward and slightly to the right relative to the vehicle interior, into the seatbelt, the airbag, and the knee bolster. He sustained a closed head injury involving a mild amount of blood behind the left tympanic membrane [46](#) from an unknown source. He sustained an abrasion across the chest and an abrasion across the abdomen, [64](#) from loading by the shoulder and lap belts, respectively. He sustained abrasions to the anterior aspect of the right forearm, [46](#) possibly from contact by the deploying airbag, and he sustained an abrasion to the posterior aspect of the right elbow from an unknown source. He sustained an abrasion and a contusion to the right knee from knee contact with the knee bolster, [48](#) [50](#) as evidenced by scuffmarks to the right side of the knee-bolster cover, and he sustained an abrasion to the right shin from an unknown source.

The following table and [65](#) attached drawing summarize the injuries sustained by the restrained driver of case vehicle (A).

Occupant: Driver		Age: 44 years	Gender: Male		
Restraints: Seat-integrated 3-point belt with pretensioner;steering-wheel airbag		Stature: 191 cm (6 ft, 3 in)	Mass: 109 kg (240 lb)		
Injury Description	A.I.S.	Injury Source			
		Definite	Probable	Possible	
—	—	Definite	Probable	Possible	
Closed head injury involving a small amount of blood behind the left tympanic membrane	2	Unknown	—	—	
Abrasion, across the chest	1	Shoulder belt	—	—	
Abrasion, posterior aspect of right elbow	1	Unknown	—	—	
Abrasion, across abdomen	1	Lap belt	—	—	
Abrasion, anterior aspect of right forearm	1	—	—	Airbag	
Abrasion, right knee	1	Knee bolster	—	—	
Contusion, right knee	1	Knee bolster	—	—	
Abrasion, right shin	1	Unknown	—	—	
Maximum A.I.S. Level	2	—	—	—	
Injury Severity Score	5	—	—	—	

CASE NO.: 459

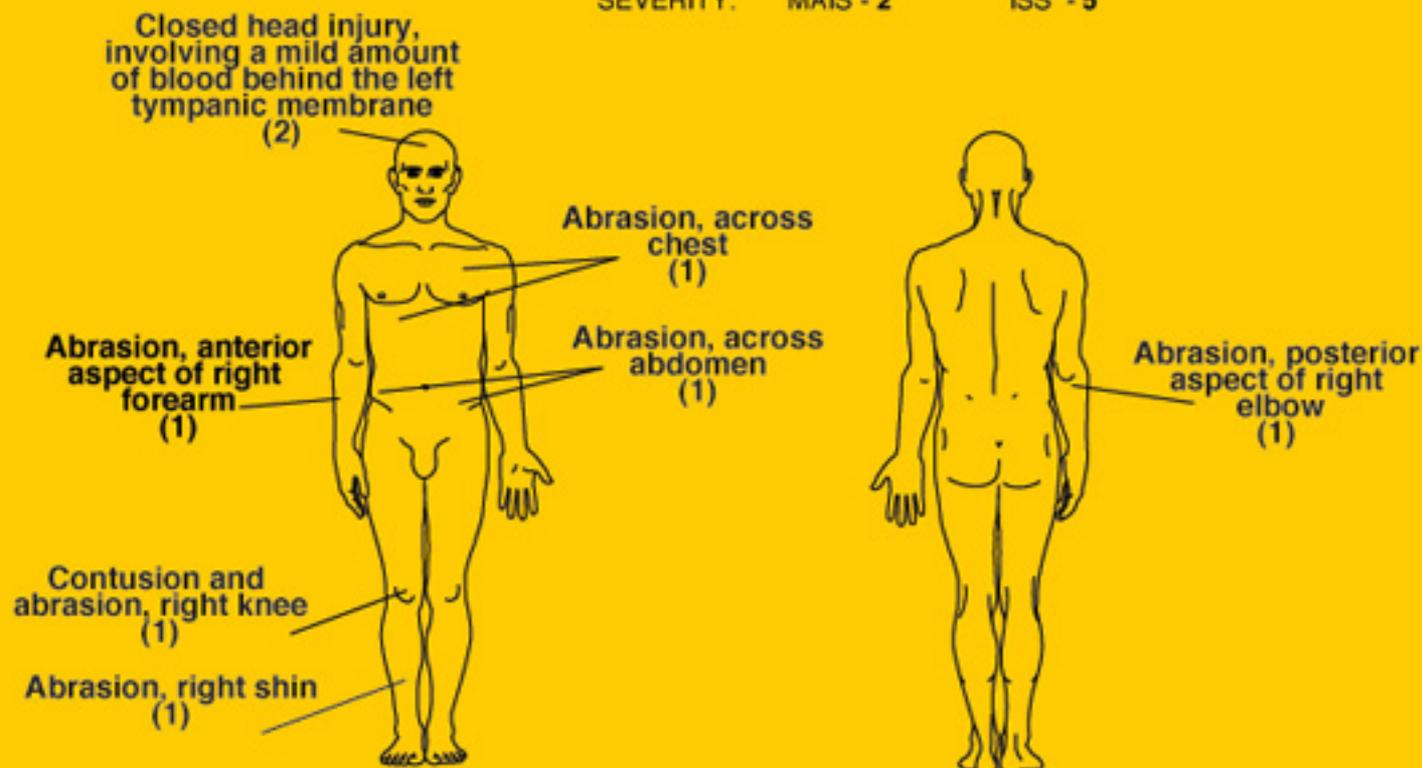
OCCUPANT: (Driver) 44-year-old male

CASE VEHICLE: 2002 Ford

STATURE: 191 cm (6 ft, 3 in)    MASS: 109 kg (240 lb)

TYPE: F150 XLT, Supercab, 4-door pickup    RESTRAINTS: Seat-interated 3-point belt with pretensioner;  
steering-wheel airbag

SEVERITY:    MAIS - 2    ISS - 5



Case No.: 459

Case Vehicle (A): 2002 Ford

Type: F150 XLT, Supercab, 4-door pickup

Driver: 44-year-old male

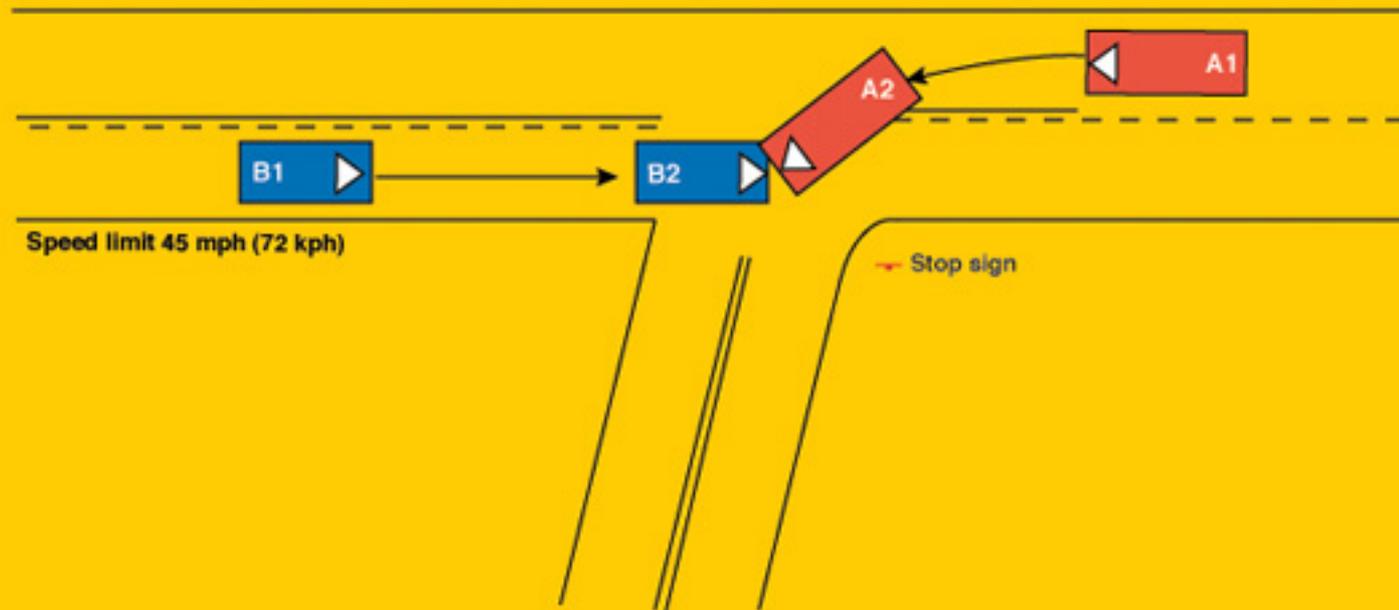
Vehicle (B): 1990 Ford Taurus LX, 4-door sedan

Light Conditions: Daylight

Weather: Clear

Road Surface: Dry

Road Construction: Asphalt



# Case 459: Vehicle Report

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- 

## General Information

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0204	Collision Hour	1445	Time of day (24 hour clock)	<a href="#">more</a>
V0205	State Fips Code	26	Michigan	<a href="#">more</a>
V0206	Urban/rural Area	1	Urban	<a href="#">more</a>
V0207	Limited Access Highway	0	No	<a href="#">more</a>
V0208	Road Total Lanes	2	2 lanes	<a href="#">more</a>
V0209	Intersect Road Total Lanes	2	2 lanes	<a href="#">more</a>
V0210	Trafficway Flow	0	Not physically divided - two way traffic	<a href="#">more</a>
V0211	Road Surface Type	1	Asphalt	<a href="#">more</a>
V0212	Road Defects	0	No	<a href="#">more</a>
V0213	Construction Zone	0	No	<a href="#">more</a>
V0214	Road Alignment Vertical Plane	1	Level	<a href="#">more</a>

V0215	Road Alignment Horizontal Plane	3	T-shaped	<a href="#">more</a>
V0216	Surface Covering	10	Dry	<a href="#">more</a>
V0217	Visibility Limitation	0	None	<a href="#">more</a>
V0218	Visibility Obstruction	0	None	<a href="#">more</a>
V0219	Speed Limit	4	71-79 km/h .. 45 mph	<a href="#">more</a>
V0220	Precipitation Type	0	None	<a href="#">more</a>
V0221	Precipitation Rate	8	Not applicable	<a href="#">more</a>
V0222	Temperature	3	0 to 2 C .. 32 to 36 F	<a href="#">more</a>
V0223	Crosswind	9	Unknown	<a href="#">more</a>
V0224	Light Conditions	1	Daylight	<a href="#">more</a>
V0225	Mechanical Malfunction Mention	0	No	<a href="#">more</a>
V0226	Case Vehicle And Object	0	No	<a href="#">more</a>
V0227	Case Vehicle Rollover	0	No	<a href="#">more</a>
V0228	Rollover Location	0	No rollover	<a href="#">more</a>
V0229	Roll Direction	0	No rollover	<a href="#">more</a>
V0230	Rollover Initiation Type	0	No rollover	<a href="#">more</a>
V0231	Rollover Number Of Turns	0	No rollover	<a href="#">more</a>
V0232	Case Vehicle Preimpact Braking	9	Unknown	<a href="#">more</a>
V0233	Case Vehicle Preimpact Stability	1	Case vehicle tracking before impact	<a href="#">more</a>
V0234	Case Vehicle Ran Off Roadway	0	No	<a href="#">more</a>
V0235	Moving Case Vehicle Contacted Moving Vehicle	1	Yes	<a href="#">more</a>
V0236	Case Vehicle Contacted Stopped Vehicle	0	No	<a href="#">more</a>
V0237	Stopped Case Vehicle Contacted Vehicle	0	No	<a href="#">more</a>
V0238	Total Vehicles Hit By Case Vehicle	1	1 vehicle	<a href="#">more</a>
V0239	Any Fire In Crash?	0	No	<a href="#">more</a>
V0240	Maximum Police Severity-acc	3	A - Incapacitating Injury	<a href="#">more</a>
V0241	Driver Alcohol Involvmnt	0	Had not been drinking	<a href="#">more</a>
V0242	Driver Alcohol BAC (Case Vehicle)	80	No test	<a href="#">more</a>
V0243	Driver Impairment Mention	0	No	<a href="#">more</a>
V0244	Driver Distraction	99	Unknown	<a href="#">more</a>

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

## Other Vehicle

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0301	Other Vehicle VIN	1FACP5348LXXXXXX	—	<a href="#">more</a>
V0302	Other Vehicle Manufacturer/Body Code	12128	—	—
V0303	Other Vehicle Manufacturer	121	Ford	<a href="#">more</a>
V0304	Other Vehicle Body Code	28	Intermediate 105-109.9 in. wb.	<a href="#">more</a>
V0305	Other Vehicle Make/model	0275	Taurus	<a href="#">more</a>
V0306	Other Vehicle Model Year	1990	Year	<a href="#">more</a>
V0307	Other Vehicle Mass	001497 kg	Mass (Kg.)	<a href="#">more</a>
V0308	Other Vehicle Number	0	No separate report	<a href="#">more</a>
V0309	Other Vehicle Number of Occupants	02	number of occupants	<a href="#">more</a>
V0310	Other Vehicle Traveling Speed	999	Unknown	<a href="#">more</a>
V0311	Highest Police Injury Severity	3	A - Incapacitating Injury	<a href="#">more</a>
V0312	Other Vehicle Type	28	Intermediate 105-109.9 in. wb.	<a href="#">more</a>
V0313	Other Vehicle Wheelbase in Centimeters	269 cm	Actual Wheelbase (cm)	<a href="#">more</a>
V0314	Other Vehicle Average Track Width	155 cm	actual measurement (cm)	<a href="#">more</a>
V0315	Other Vehicle Overall Length	479 cm	actual measurement (cm)	<a href="#">more</a>
V0316	Other Vehicle Overall Width (OAW)	180 cm	actual measurement (cm)	<a href="#">more</a>
V0317	Other Vehicle Front Overhang	097 cm	actual measurement (cm)	<a href="#">more</a>
V0318	Other Vehicle Rear Overhang	110 cm	actual measurement (cm)	<a href="#">more</a>

V0319	Other Vehicle Undeformed End Width (UEW)	100 cm	actual measurement (cm)	<a href="#">more</a>
V0320	Other Vehicle Engine Displacement	3.8 l	Liters	<a href="#">more</a>
V0321	Other Vehicle Engine: Number of Cylinders	06	number of cylinders	<a href="#">more</a>
V0322	Other Vehicle Direct Damage Length (DDL)	999	Unknown	<a href="#">more</a>
V0323	Other Vehicle Front-End Overlap	99	Missing or Not applicable	<a href="#">more</a>
V0324	Other Vehicle - Vehicle Overlap	99	Missing or Not applicable	<a href="#">more</a>

### Case Vehicle General

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0401	VIN	2FTRX17212XXXXXX	<a href="#">Click for Case Vehicle figure</a>	<a href="#">more</a>
V0402	Manufacturer/Body Code	12112	—	—
V0403	Vehicle Manufacturer	121	Ford	<a href="#">more</a>
V0404	Vehicle Body Code	12	Pickup truck (no canopy or shell)	<a href="#">more</a>
V0405	Make/model Code	3108	Flareside, Styleside F150	<a href="#">more</a>
V0406	Model Year	2002	Model year	<a href="#">more</a>
V0407	Vehicle Mass	001916 kg	Mass (Kg)	<a href="#">more</a>
V0408	Odometer Reading	888888	—	—
V0409	Number of Occupants	01	1 occupant	<a href="#">more</a>
V0410	Traveling Speed	999	Unknown	<a href="#">more</a>
V0411	Body Type	33	Pickup truck (large)	<a href="#">more</a>
V0412	Stolen Vehicle	8	Not currently collected	<a href="#">more</a>
V0413	Body Structure	1	Body and frame	<a href="#">more</a>
V0414	Transmission Type	1	Automatic	<a href="#">more</a>
V0415	Transmission Lever Location	3	Column	<a href="#">more</a>
V0416	Steering	1	Power	<a href="#">more</a>
V0417	Brakes	1	Power	<a href="#">more</a>
V0418	Brake Type	3	Disc - all wheels	<a href="#">more</a>
V0419	Adjustable Pedals?	0	No	<a href="#">more</a>
V0420	Brake Anti-lock Device	2	Four-wheel	<a href="#">more</a>

V0421	Air Conditioning in Vehicle	8	Not currently collected	<a href="#">more</a>
V0422	Drive Type	1	Rear wheel	<a href="#">more</a>
V0423	Dual Rear Wheels	0	No	<a href="#">more</a>
V0424	Original Restraint System Type	3	Air bag	<a href="#">more</a>
V0425	Equipped With Roll Bar	0	No	<a href="#">more</a>
V0426	Roof Type	1	Solid	<a href="#">more</a>
V0427	Case Vehicle Wheelbase in Centimeters	352 cm	Actual Wheelbase	<a href="#">more</a>
V0428	Anti-lacerative Glass	8	Not Collected	<a href="#">more</a>
V0429	Case Vehicle average track Width	165 cm	actual measurement (cm)	<a href="#">more</a>
V0430	Case Vehicle Overall Length	574 cm	actual measurement (cm)	<a href="#">more</a>
V0431	Case Vehicle Overall Width (OAW)	201	actual measurement (cm)	<a href="#">more</a>
V0432	Case Vehicle Front Overhang	098 cm	actual measurement (cm)	<a href="#">more</a>
V0433	Case Vehicle Rear Overhang	124 cm	actual measurement (cm)	<a href="#">more</a>
V0434	Case Vehicle Undeformed End Width (UEW)	170 cm	actual measurement (cm)	<a href="#">more</a>
V0435	Case Vehicle Engine Displacement	4.2 l	Liters	<a href="#">more</a>
V0436	Case Vehicle Engine: Number of Cylinders	06	number of cylinders	<a href="#">more</a>
V0437	Case Vehicle Direct Damage Length (DDL)	094 cm	actual measurement (cm)	<a href="#">more</a>
V0438	Case Vehicle Front-end Overlap	55	percentage (%)	<a href="#">more</a>
V0439	Case Vehicle - Vehicle Overlap	54	percentage (%)	<a href="#">more</a>

### Case Vehicle Damage Description

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0501	Maximum Sheet Metal Crush - Front	055 cm	Depth of Crush (cm)	<a href="#">more</a>

V0502	Maximum Sheet Metal Crush - Right Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0503	Maximum Sheet Metal Crush - Rear	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0504	Maximum Sheet Metal Crush - Left Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0505	Maximum Sheet Metal Crush - Roof	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0506	Maximum Sheet Metal Crush - Other	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0507	Seq In Chronological Ord	1	Yes	<a href="#">more</a>
V0508	Event 1 -impact Location	1	On Roadway	<a href="#">more</a>
V0509	Event 1 -Impact Configuration	11	FRONT of case veh - FRONT of contacted veh	<a href="#">more</a>
V0510	Event 1 -Object/Vehicle Contactd	28	Intermediate 105-109.9 in. wb.	<a href="#">more</a>
V0511	Event 2 -impact Location	8	No 2nd event	<a href="#">more</a>
V0512	Event 2 -Impact Configuration	88	No 2nd event	<a href="#">more</a>
V0513	Event 2 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0514	Event 3 -impact Location	8	No 3rd event	<a href="#">more</a>
V0515	Event 3 -Impact Configuration	88	No 3rd event	<a href="#">more</a>
V0516	Event 3 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0517	Event 4 -impact Location	8	No 4th event	<a href="#">more</a>
V0518	Event 4 -Impact Configuration	88	No 4th event	<a href="#">more</a>
V0519	Event 4 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0520	Event 5 -impact Location	8	No 5th event	<a href="#">more</a>
V0521	Event 5 -Impact Configuration	88	No 5th event	<a href="#">more</a>
V0522	Event 5 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0523	Event 6 -impact Location	8	No 6th event	<a href="#">more</a>
V0524	Event 6 -Impact Configuration	88	No 6th event	<a href="#">more</a>
V0525	Event 6 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0526	Event 7 -impact Location	8	No 7th event	<a href="#">more</a>

V0527	Event 7 -Impact Configuration	88	No 7th event	<a href="#">more</a>
V0528	Event 7 -Object/Vehicle Contactd	00	No object/vehicle contacted	<a href="#">more</a>
V0529	Primary CDC Case Vehicle - event Number	1	Event 1	<a href="#">more</a>
V0530	Primary CDC Case Vehicle - Impact Speed (kph)	999	Unknown	<a href="#">more</a>
V0531	Primary CDC Case Vehicle- estimatr	1	Investigator	<a href="#">more</a>
V0532	Primary CDC Case Vehicle - Crush (CM)	055	Crush measurements in cm	<a href="#">more</a>
V0533	Primary CDC Case Vehicle- clock #1	01	1 o'clock	<a href="#">more</a>
V0534	Primary CDC Case Vehicle- Letter 1 #1	06	F - Front	<a href="#">more</a>
V0535	Primary CDC Case Vehicle- Letter 2 #1	26	Z - Side or end (B + P or R + C)	<a href="#">more</a>
V0536	Primary CDC Case Vehicle- Letter 3 #1	05	E - Everything below belt line	<a href="#">more</a>
V0537	Primary CDC Case Vehicle- Letter 4 #1	23	W - Wide impact area	<a href="#">more</a>
V0538	Primary CDC Case Vehicle - Extent #1	3	—	—
V0539	Primary CDC - Contacted Vehicles Assoc CDC - CDC #1	01FZEW3	—	—
V0540	Primary CDC Case Vehicle- clock #2	98	Not Applicable	<a href="#">more</a>
V0541	Primary CDC Case Vehicle- Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0542	Primary CDC Case Vehicle- Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0543	Primary CDC Case Vehicle- Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0544	Primary CDC Case Vehicle- Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0545	Primary CDC Case Vehicle - Extent #2	0	—	—
V0546	Primary CDC - Case Vehicle Assoc CDC - CDC #2	9800000	—	—
V0547	Primary CDC Contacted Vehicle - Impact Speed (kph)	999	Unknown	<a href="#">more</a>

V0548	Primary CDC Contacted Vehicle-estimator	1	Investigator	<a href="#">more</a>
V0549	Primary CDC Contacted Vehicle - Crush (CM)	999	Unknown	<a href="#">more</a>
V0550	Primary CDC Contacted Vehicle-clock #1	99	Unknown or no damage	<a href="#">more</a>
V0551	Primary CDC Contacted Vehicle-Letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0552	Primary CDC Contacted Vehicle-Letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0553	Primary CDC Contacted Vehicle-Letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0554	Primary CDC Contacted Vehicle-Letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0555	Primary CDC Contacted Vehicle - Extent #1	0	—	—
V0556	primary CDC - Contacted Vehicles Assoc CDC - CDC #1	9900000	—	—
V0557	Primary CDC Contacted Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0558	Primary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0559	Primary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0560	Primary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0561	Primary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0562	Primary CDC Contacted Vehicle - Extent #2	0	—	—
V0563	Primary CDC - Contacted Vehicles Assoc CDC - CDC #2	9800000	—	—
V0564	Secondary CDC Case Vehicle-event No	8	Not applicable	<a href="#">more</a>
V0565	Secondary CDC Case Vehicle - Impact Speed (kph)	998	Not Applicable	<a href="#">more</a>
V0566	Secondary CDC Case Vehicle-estimator	8	Not applicable (no vehicle/no impact)	<a href="#">more</a>
V0567	Secondary CDC Case Vehicle - Crush (CM)	998	Not Applicable	<a href="#">more</a>
V0568	Secondary CDC Case Vehicle-clock #1	98	Not Applicable	<a href="#">more</a>

V0569	Secondary CDC Case Vehicle-Letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0570	Secondary CDC Case Vehicle-Letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0571	Secondary CDC Case Vehicle-Letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0572	Secondary CDC Case Vehicle-Letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0573	SECONDARY CDC CASE VEHICLE - EXTENT #1	0	—	—
V0574	Secondary CDC - Case Vehicle Assoc CDC - CDC #1	9800000	—	—
V0575	Secondary CDC Case Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0576	Secondary CDC Case Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0577	Secondary CDC Case Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0578	Secondary CDC Case Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0579	Secondary CDC Case Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0580	SECONDARY CDC CASE VEHICLE - EXTENT #2	0	—	—
V0581	Secondary CDC - Case Vehicle Assoc CDC - CDC #2	9800000	—	—
V0582	Secondary CDC Contacted Vehicle - Impact Speed (kph)	998	Not Applicable	<a href="#">more</a>
V0583	Secondary CDC Contacted Vehicle-estimator	8	Not applicable (no vehicle/no impact)	<a href="#">more</a>
V0584	Secondary CDC Contacted Vehicle - Crush (CM)	998	Not Applicable	<a href="#">more</a>
V0585	Secondary CDC Contacted Vehicle-clock #1	98	Not Applicable	<a href="#">more</a>
V0586	Secondary CDC Contacted Vehicle-Letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0587	Secondary CDC Contacted Vehicle-Letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0588	Secondary CDC Contacted Vehicle-Letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V0589	Secondary CDC Contacted Vehicle-Letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>

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

## Crash Reconstruction

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0601	Primary Delta-V Case Vehicle-event #	1	Event number 1	<a href="#">more</a>
V0602	Primary Delta V Case Vehicle - Total Delta V	038 kph	kph	<a href="#">more</a>
V0603	Primary delta-V Case Vehicle -LONGITUD	-033	—	—
V0604	Primary delta-V Case Vehicle-Lateral	-019	—	—
V0605	Primary Delta V Case Vehicle - Energy Dissipated by Crush (k	0136	—	—
V0606	Primary Delta-V Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V0607	Primary Delta-V Case Vehicle- Mode	2	CDC & detailed damage	<a href="#">more</a>
V0608	Primary Delta V Contacted Vehicle - Total Delta V	053 kph	kph	<a href="#">more</a>
V0609	Primary delta-V Contacted	-052	—	—

	Vehicle-LONGITUD			
V0610	Primary delta-V Contacted Vehicle-Lateral	0009	—	—
V0611	Primary delta-V Contacted Vehicle - Energy Dissipated by Cru	0166	—	—
V0612	Secondary Delta-V Case Vehicle-event #	8	Not applicable	<a href="#">more</a>
V0613	Secondary Delta V Case Vehicle - Total Delta V	888	Not applicable	<a href="#">more</a>
V0614	Secondarydelta-V Case Vehicle -LONGITUD	8888	—	—
V0615	Secondary delta-V Case Vehicle-Lateral	8888	—	—
V0616	Secondary delta-V Case Vehicle - Energy Dissipated by Crush	8888	—	—
V0617	Secondary Delta-V Case Vehicle-Reconstruction	88	Not applicable	<a href="#">more</a>
V0618	Secondary Delta-V Case Vehicle- Mode	8	Not applicable	<a href="#">more</a>
V0619	Secondary Delta V Contacted Vehicle - Total Delta V	888	Not applicable	<a href="#">more</a>
V0620	Secondary delta-V Contacted Vehicle-LONGITUD	8888	—	—
V0621	Secondary delta-V Contacted Vehicle-Lateral	8888	—	—
V0622	Secondary delta-V Contacted Vehicle - Energy Dissipated By C	8888	—	—
V0623	Primary EBS Case Vehicle-event #	1	Event number 1	<a href="#">more</a>
V0624	Primary EBS Case Vehicle - Total EBS	038 kph	kph	<a href="#">more</a>
V0625	Primary EBS Case Vehicle - LONGITUD	-033	—	—
V0626	Primary EBS Case Vehicle-Lateral	-019	—	—
V0627	Primary EBS Case Vehicle - Energy Dissipated by Crush (kj)	0136	—	—
V0628	Primary EBS Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
	Primary EBS Case Vehicle-			

V0629	Mode	2	CDC & detailed damage	<a href="#">more</a>
V0630	Primary EBS Contacted Vehicle - Total EBS	053 kph	kph	<a href="#">more</a>
V0631	Primary EBS Contacted Vehicle-LONGITUD	-052	—	—
V0632	Primary EBS Contacted Vehicle-Lateral	0009	—	—
V0633	Primary EBS Contact Vehicle - Energy Dissipated by Crush (kj)	0166	—	—
V0634	Secondary EBS Case Vehicle-event #	8	Not applicable	<a href="#">more</a>
V0635	Secondary EBS Case Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0636	Secondary EBS Case Vehicle -LONGITUD	8888	—	—
V0637	Secondary EBS Case Vehicle-Lateral	8888	—	—
V0638	Secondary EBS Case Vehicle - Energy Dissipated by Crush (kj)	8888	—	—
V0639	Secondary EBS Case Vehicle-Reconstruction	88	Not applicable	<a href="#">more</a>
V0640	Secondary EBS Case Vehicle- Mode	8	Not applicable	<a href="#">more</a>
V0641	Secondary EBS Contacted Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0642	Secondary EBS Contacted Vehicle-LONGITUD	8888	—	—
V0643	Secondary EBS Contacted Vehicle-Lateral	8888	—	—
V0644	Secondary EBS Contact Vehicle - Energy Dissipated by Crush (	8888	—	—
V0645	Specific Event # Case(1)	1	Event number 1	<a href="#">more</a>
V0646	Plane of Impact Case Vehicle (1)	1	Bumper	<a href="#">more</a>
V0647	Direct Damage Length (DDL) - Case Vehicle (1)	094 cm	cm	<a href="#">more</a>
V0648	Direct Damage Maximum Crush - Case Vehicle (1)	055 cm	cm	<a href="#">more</a>
V0649	Direct and Induced Damage Length in CM	141 cm	cm	<a href="#">more</a>

V0650	Field C1 - Case Vehicle (1)	000 cm	No Crush	<a href="#">more</a>
V0651	Field C2 - Case Vehicle (1)	010 cm	cm	<a href="#">more</a>
V0652	Field C3 - Case Vehicle (1)	041 cm	cm	<a href="#">more</a>
V0653	Field C4 - Case Vehicle (1)	044 cm	cm	<a href="#">more</a>
V0654	Field C5 - Case Vehicle (1)	047 cm	cm	<a href="#">more</a>
V0655	Field C6 - Case Vehicle (1)	055 cm	cm	<a href="#">more</a>
V0656	Direct Damage D Value = The Center of Direct Damage Offset t	+038 cm	Offset (cm)	<a href="#">more</a>
V0657	Specific Event # Case(2)	1	Event number 1	<a href="#">more</a>
V0658	Plane of Impact Case Vehicle (2)	1	Bumper	<a href="#">more</a>
V0659	Direct Damage Length (DDL) - Case Vehicle (2)	094 cm	cm	<a href="#">more</a>
V0660	Direct Damage MaximumCrush - Case Vehicle (2)	055 cm	cm	<a href="#">more</a>
V0661	Direct and Induced Damage Length in CM	141 cm	cm	<a href="#">more</a>
V0662	Field C1 - Case Vehicle (2)	000 cm	No Crush	<a href="#">more</a>
V0663	Field C2 - Case Vehicle (2)	010 cm	cm	<a href="#">more</a>
V0664	Field C3 - Case Vehicle (2)	041 cm	cm	<a href="#">more</a>
V0665	Field C4 - Case Vehicle (2)	044 cm	cm	<a href="#">more</a>
V0666	Field C5 - Case Vehicle (2)	047 cm	cm	<a href="#">more</a>
V0667	Field C6 - Case Vehicle (2)	055 cm	cm	<a href="#">more</a>
V0668	Direct Damage D Value = The Center of Direct Damage Offset t	+038 cm	cm	<a href="#">more</a>
V0669	Specific Event # Cont(1)	1	Event number 1	<a href="#">more</a>
V0670	Plane of Impact Contacted Vehicle(1)	9	Unknown	<a href="#">more</a>
V0671	Direct Damage Length (DDL) - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0672	Direct Damage Maximum Crush - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0673	Field L - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0674	Field C1 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
	Field C2 - Contacted Vehicle			

V0675	(1)	999	Unknown	<a href="#">more</a>
V0676	Field C3 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0677	Field C4 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0678	Field C5 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0679	Field C6 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0680	Direct Damage D Value = The Center of Direct Damage Offset t	+999 cm	offset (cm)	<a href="#">more</a>
V0681	Specific Event # Contacted Vehicle (2)	1	Event number	<a href="#">more</a>
V0682	Plane of Impact Contacted Vehicle(2)	9	Unknown	<a href="#">more</a>
V0683	Direct Damage Length (DDL) - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0684	Direct Damage Maximum Crush - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0685	Direct and Induced Damage Length in CM	999	Unknown	<a href="#">more</a>
V0686	Field C1 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0687	Field C2 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0688	Field C3 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0689	Field C4 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0690	Field C5 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0691	Field C6 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0692	Direct Damage D Value = The Center of Direct Damage Offset t	+999 cm	Offset (cm)	<a href="#">more</a>

### Case Vehicle Tires & Rims

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Variable	Variable Name	Code	Code Description	Other
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<b>Number</b>		<b>Value</b>		<b>Options</b>
V0701	Left Front Wheel Damaged	0	No	<a href="#">more</a>
V0702	Right Front Wheel Damaged	1	Yes	<a href="#">more</a>
V0703	Right Rear Wheel Damaged	0	No	<a href="#">more</a>
V0704	Left Rear Wheel Damaged	0	No	<a href="#">more</a>
V0705	Left Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V0706	Right Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V0707	Right Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V0708	Left Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V0709	Left Front Carcass Construction	3	Radial	<a href="#">more</a>
V0710	Right Front Carcass Construction	3	Radial	<a href="#">more</a>
V0711	Right Rear Carcass Construction	3	Radial	<a href="#">more</a>
V0712	Left Rear Carcass Construction	3	Radial	<a href="#">more</a>
V0713	Left Front Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0714	Right Front Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0715	Right Rear Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0716	Left Rear Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0717	Left Front Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0718	Right Front Tire Condition Postcrash	2	Completely deflated	<a href="#">more</a>
V0719	Right Rear Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0720	Left Rear Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0721	Left Front Tire Involvement	0	No	<a href="#">more</a>
V0722	Right Front Tire Involvement	0	No	<a href="#">more</a>
V0723	Right Rear Tire Involvement	0	No	<a href="#">more</a>
V0724	Left Rear Tire Involvement	0	No	<a href="#">more</a>
V0725	Left Front Tire Size	P255170R16	—	—

V0726	Right Front Tire Size	P255170R16	—	—
V0727	Right Rear Tire Size	P255170R16	—	—
V0728	Left Rear Tire Size	P255170R16	—	—
V0729	Left Front Tire Pressure (recorded in psi)	21.0 psi	Actual tire pressure in psi	<a href="#">more</a>
V0730	Right Front Tire Pressure (recorded in psi)	00.0 psi	Actual tire pressure in psi	<a href="#">more</a>
V0731	Right Rear Tire Pressure (recorded in psi)	15.5 psi	Actual tire pressure in psi	<a href="#">more</a>
V0732	Left Rear Tire Pressure (recorded in psi)	17.0 psi	Actual tire pressure in psi	<a href="#">more</a>
V0733	Left Front Tread Depth	07	07/32"	<a href="#">more</a>
V0734	Right Front Tread Depth	06	06/32"	<a href="#">more</a>
V0735	Right Rear Tread Depth	10	10/32"	<a href="#">more</a>
V0736	Left Rear Tread Depth	09	09/32"	<a href="#">more</a>

### Case Vehicle Fuel Tank

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

### Case Vehicle Fuel Leakage

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

### Case Vehicle Fire

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

## Case Vehicle Exterior

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<b>Variable Number</b>	<b>Variable Name</b>	<b>Code Value</b>	<b>Code Description</b>	<b>Other Options</b>
V1101	Hood Latch Released	0	No	<a href="#">more</a>
V1102	Hood Latch Damaged	1	Yes	<a href="#">more</a>
V1103	Hood Latch Jammed	0	No	<a href="#">more</a>
V1104	Left Hood Hinge Damaged	0	No	<a href="#">more</a>
V1105	Left Hood Hinge Separated	8	Not applicable	<a href="#">more</a>
V1106	Right Hood Hinge Damaged	0	No	<a href="#">more</a>
V1107	Right Hood Hinge Separated	8	Not applicable	<a href="#">more</a>
V1108	Hood Remained On Vehicle	1	Yes	<a href="#">more</a>
V1109	Rear Hood Edge Elevated	1	Yes	<a href="#">more</a>
V1110	Edge Contacted Windshield	0	No	<a href="#">more</a>
V1111	Edge Penetrated Windshield	8	Not applicable	<a href="#">more</a>
V1112	Hood Latch Location	1	Front of Vehicle	<a href="#">more</a>
V1113	Eng/transmissn Mount Separated	0	No	<a href="#">more</a>
V1114	Steering Column Flex Couplng	9	Unknown if equipped	<a href="#">more</a>
V1115	Steering Column Coupling Dam	9	Unknown	<a href="#">more</a>
V1116	Steering Column Coupling Separated	9	Unknown	<a href="#">more</a>
V1117	Eng Comp Telescopng Unit	88	Not currently collected	<a href="#">more</a>
V1118	Compartment Unit's Original/telescoped Length Difference	888	Not currently collected	<a href="#">more</a>
V1119	Left Side Body Mount Separated	0	No	<a href="#">more</a>
V1120	Upper Left A-pillar Sep	0	No	<a href="#">more</a>
V1121	Lower Left A-pillar Sep	0	No	<a href="#">more</a>
V1122	Upper Left B-pillar Sep	8	Not applicable (not equipped)	<a href="#">more</a>
V1123	Lower Left B-pillar Sep	8	Not applicable (not equipped)	<a href="#">more</a>
V1124	Upper Left C-pillar Sep	0	No	<a href="#">more</a>
V1125	Lower Left C-pillar Sep	0	No	<a href="#">more</a>
V1126	Upper Left D-pillar Sep	8	Not applicable (not equipped)	<a href="#">more</a>

V1127	Lower Left D-pillar Sep	8	Not applicable (not equipped)	<a href="#">more</a>
V1128	Left Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1129	Left Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1130	Left Front Door Jammed Closed	0	No	<a href="#">more</a>
V1131	Left Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1132	Van Left Rear Door Type	8	Not applicable (not a van)	<a href="#">more</a>
V1133	Left Front Glazing Availability	2	Closed	<a href="#">more</a>
V1134	Left Rear Glazing Availability	2	Closed	<a href="#">more</a>
V1135	Lr2 Glazing Availability	0	No glazing present	<a href="#">more</a>
V1136	Left Front Glazing Damage	0	No damage	<a href="#">more</a>
V1137	Left Rear Glazing Damage	0	No damage	<a href="#">more</a>
V1138	Lr2 Glazing Damage	8	Not Applicable (No Door)	<a href="#">more</a>
V1139	Rear Door Type	0	No door (includes pickups)	<a href="#">more</a>
V1140	Rear Door Opening Cause	8	Not applicable (no rear door)	<a href="#">more</a>
V1141	Rear Door Jammed Closed	8	Not applicable (no rear door)	<a href="#">more</a>
V1142	Rear Glazing Availability	8	Not Applicable (No Door)	<a href="#">more</a>
V1143	Rear Glazing Damage	8	Not Applicable (No Door)	<a href="#">more</a>
V1144	Luggage Partition Damaged	8	Not applicable	<a href="#">more</a>
V1145	Spare Tire Status	8	Not collected	<a href="#">more</a>
V1146	Trailer Hitch Type	0	No hitch	<a href="#">more</a>
V1147	Trailer Type	0	No trailer	<a href="#">more</a>
V1148	Rght Side Body Mount Separated	0	No	<a href="#">more</a>
V1149	Upper Right A-pillar Separated	0	No	<a href="#">more</a>
V1150	Lower Right A-pillar Separated	4	No separation, but damaged	<a href="#">more</a>
V1151	Upper Right B-pillar Separated	8	Not applicable (not equipped)	<a href="#">more</a>
V1152	Lower Right B-pillar Separated	8	Not applicable (not equipped)	<a href="#">more</a>
V1153	Upper Right C-pillar Separated	0	No	<a href="#">more</a>
V1154	Lower Right C-pillar Separated	0	No	<a href="#">more</a>

V1155	Upper Right D-pillar Separated	8	Not applicable (not equipped)	<a href="#">more</a>
V1156	Lower Right D-pillar Separated	8	Not applicable (not equipped)	<a href="#">more</a>
V1157	Right Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1158	Right Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1159	Right Front Door Jammed Closed	0	No	<a href="#">more</a>
V1160	Right Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1161	Van Right-rear Door Type	8	Not applicable (not a van)	<a href="#">more</a>
V1162	Right Front Glazing Availability	2	Closed	<a href="#">more</a>
V1163	Right Rear Glazing Availability	2	Closed	<a href="#">more</a>
V1164	Rr2 Glazing Availability	0	No glazing present	<a href="#">more</a>
V1165	Right Front Glazing Damage	0	No damage	<a href="#">more</a>
V1166	Right Rear Glazing Damage	0	No damage	<a href="#">more</a>
V1167	Rr2 Glazing Damage	8	Not Applicable (No Door)	<a href="#">more</a>
V1168	Windshield Cracked	0	No	<a href="#">more</a>
V1169	Windshield Broken	0	No <a href="#">Click for Windshield Damage figure</a>	<a href="#">more</a>
V1170	Occupant Cracked/Broke Wndshld	0	No	<a href="#">more</a>
V1171	Bond Separation Extent	8	Not applicable	<a href="#">more</a>
V1172	Windshield Code	97	<a href="#">Click for Windshield Mark figure</a>	<a href="#">more</a>
V1173	Did Sun Roof/T-Roof Open	8	Not Applicable	<a href="#">more</a>

### Case Vehicle Steering Column/Rim

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1201	Steering Wheel Rim Damage	1	Deformed slightly	<a href="#">more</a>
V1202	Number of Steering Wheel Spokes	2	2 spokes	<a href="#">more</a>
V1203	Steering Wheel Spoke Damage	0	None	<a href="#">more</a>
V1204	Steering Wheel Hub Damage	0	None	<a href="#">more</a>
V1205	Steering Wheel Location of	1	Top half	<a href="#">more</a>

	Rim Damage			
V1206	Aftermarket Add-on Device	0	None	<a href="#">more</a>
V1207	Column Tilt Feature	3	Middle	<a href="#">more</a>
V1208	Column Swing-away Feature	0	Not equipped	<a href="#">more</a>
V1209	Column Telescoping Feature	0	Not equipped	<a href="#">more</a>
V1210	Wheel Energy Absorb Device	8	Not currently collected	<a href="#">more</a>
V1211	Wheel EA Device's original/damage Dimension Difference	888	Not collected	<a href="#">more</a>
V1212	Column Energy Absorb Device	88	Not collected	<a href="#">more</a>
V1213	Col EA Device's Orig/compressed (or Extruded) Length Diff	888	Not collected	<a href="#">more</a>
V1214	Shear Capsule Separation	888	Not collected	<a href="#">more</a>
V1215	Column Vertical Rotation	0	No apparent rotation	<a href="#">more</a>
V1216	Column Lateral Rotation	0	No apparent rotation	<a href="#">more</a>

### Case Vehicle Intrusion

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

V1316	Intrud Component/obj (2)	99	Unknown or data not collected	<a href="#">more</a>
V1317	Associate Event Numb (2)	9	Unknown or data not collected	<a href="#">more</a>
V1318	Maximum Intrusion X Axis	99	Unknown or data not collected	<a href="#">more</a>
V1319	Maximum Intrusion Y Axis	99	Unknown or data not collected	<a href="#">more</a>
V1320	Maximum Intrusion Z Axis	99	Unknown or data not collected	<a href="#">more</a>
V1321	Occupant Number #1 (2)	99	Unknown or data not collected	<a href="#">more</a>
V1322	Injury Number #1 (2)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1323	Occupant Number #2 (2)	99	Unknown or data not collected	<a href="#">more</a>
V1324	Injury Number #2 (2)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1325	Intrusion Number #3	99	Unknown or data not collected	<a href="#">more</a>
V1326	Occupant Space Number(3)	99	Unknown or data not collected	<a href="#">more</a>
V1327	Intrud Compnent/obj (3)	99	Unknown or data not collected	<a href="#">more</a>
V1328	Associate Event Numb (3)	9	Unknown or data not collected	<a href="#">more</a>
V1329	Maximum Intrusion X Axis	99	Unknown or data not collected	<a href="#">more</a>
V1330	Maximum Intrusion Y Axis	99	Unknown or data not collected	<a href="#">more</a>
V1331	Maximum Intrusion Z Axis	99	Unknown or data not collected	<a href="#">more</a>
V1332	Occupant Number #1 (3)	99	Unknown or data not collected	<a href="#">more</a>
V1333	Injury Number #1 (3)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1334	Occupant Number #2 (3)	99	Unknown or data not collected	<a href="#">more</a>
V1335	Injury Number #2 (3)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1336	Intrusion Number #4	99	Unknown or data not collected	<a href="#">more</a>
V1337	Occupant Space Number(4)	99	Unknown or data not collected	<a href="#">more</a>
V1338	Intrud Component/obj (4)	99	Unknown or data not collected	<a href="#">more</a>
V1339	Associate Event Numb (4)	9	Unknown or data not collected	<a href="#">more</a>
V1340	Maximum Intrusion X Axis	99	Unknown or data not collected	<a href="#">more</a>
V1341	Maximum Intrusion Y Axis	99	Unknown or data not collected	<a href="#">more</a>
V1342	Maximum Intrusion Z Axis	99	Unknown or data not collected	<a href="#">more</a>
V1343	Occupant Number #1 (4)	99	Unknown or data not collected	<a href="#">more</a>
V1344	Injury Number #1 (4)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1345	Occupant Number #2 (4)	99	Unknown or data not collected	<a href="#">more</a>
V1346	Injury Number #2 (4)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1347	Intrusion Number #5	99	Unknown or data not collected	<a href="#">more</a>
V1348	Occupant Space Number(5)	99	Unknown or data not collected	<a href="#">more</a>

V1349	Intrud Component/obj (5)	99	Unknown or data not collected	<a href="#">more</a>
V1350	Associate Event Numb (5)	9	Unknown or data not collected	<a href="#">more</a>
V1351	Maximum Intrusion X Axis	99	Unknown or data not collected	<a href="#">more</a>
V1352	Maximum Intrusion Y Axis	99	Unknown or data not collected	<a href="#">more</a>
V1353	Maximum Intrusion Z Axis	99	Unknown or data not collected	<a href="#">more</a>
V1354	Occupant Number #1 (5)	99	Unknown or data not collected	<a href="#">more</a>
V1355	Injury Number #1 (5)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1356	Occupant Number #2 (5)	99	Unknown or data not collected	<a href="#">more</a>
V1357	Injury Number #2 (5)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1358	Intrusion Number #6	99	Unknown or data not collected	<a href="#">more</a>
V1359	Occupant Space Number(6)	99	Unknown or data not collected	<a href="#">more</a>
V1360	Intrud Component/obj (6)	99	Unknown or data not collected	<a href="#">more</a>
V1361	Associate Event Numb (6)	9	Unknown or data not collected	<a href="#">more</a>
V1362	Maximum Intrusion X Axis	99	Unknown or data not collected	<a href="#">more</a>
V1363	Maximum Intrusion Y Axis	99	Unknown or data not collected	<a href="#">more</a>
V1364	Maximum Intrusion Z Axis	99	Unknown or data not collected	<a href="#">more</a>
V1365	Occupant Number #1 (6)	99	Unknown or data not collected	<a href="#">more</a>
V1366	Injury Number #1 (6)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1367	Occupant Number #2 (6)	99	Unknown or data not collected	<a href="#">more</a>
V1368	Injury Number #2 (6)	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1369	Intrusion Number #7	99	Unknown or data not collected	<a href="#">more</a>
V1370	Occupant Space Number(7)	99	Unknown or data not collected	<a href="#">more</a>
V1371	Intrud Component/obj (7)	99	Unknown or data not collected	<a href="#">more</a>

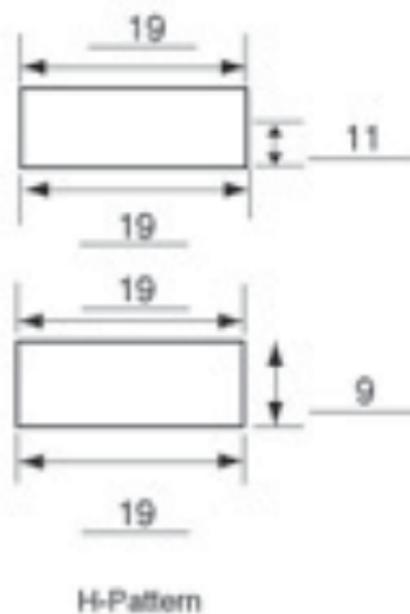
Driver Airbag

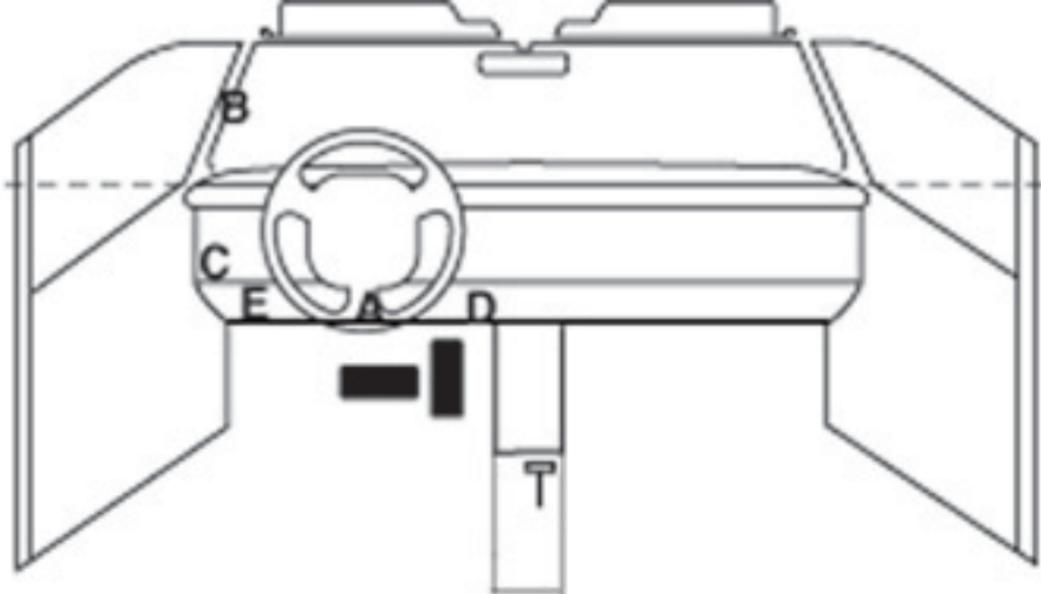
Vents:  Y  Nif yes, how many: 2

Vents @ 11 and 1 o'clock

Tethers:  Y  Nif yes, how many: 1

Driver Airbag Doors





- A: steering-wheel rim, deformation**
- B: grab handle on A-pillar, scuffmark**
- C: mid IP, scuffmark**
- D: knee bolster - right, scuffmarks**
- E: knee bolster - left scuffmarks**

1 = Definitely 2 = Probably 3 = Possible

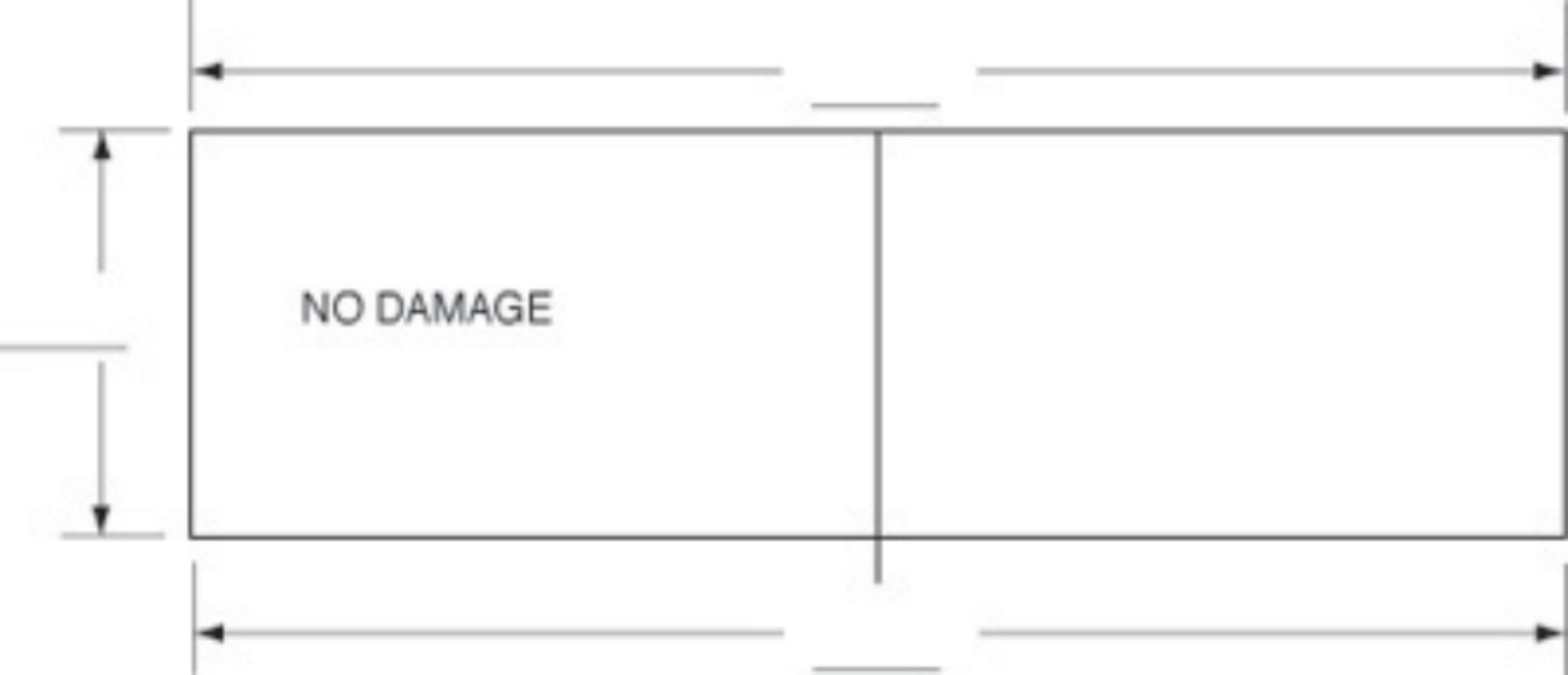
## NO INTRUSION

### INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)			Dominant Crush Direction	
		Comparison Value	–	Intruded Value	=	Intrusion
none						

### OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Steering-wheel rim	1	Chest	Deformed	1
B	Grab handle on A-pillar	1	Hand	Scuffmark	2
C	Mid instrument panel	1	Knee	Scuffmark	2
D	Knee bolster	1	Right knee	Scuffmarks	1
E	Knee bolster	1	Left knee	Scuffmark	
F					
G					
H					
I					
J					



WINDSHIELD MARK ON CASE VEHICLE:



Ⓝ **Carlite** Ⓜ

SOLAR TINT

LAMINATED AS1

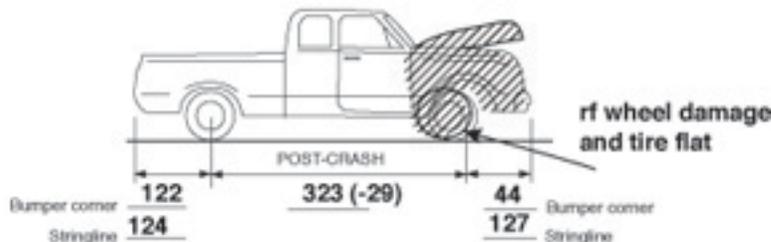
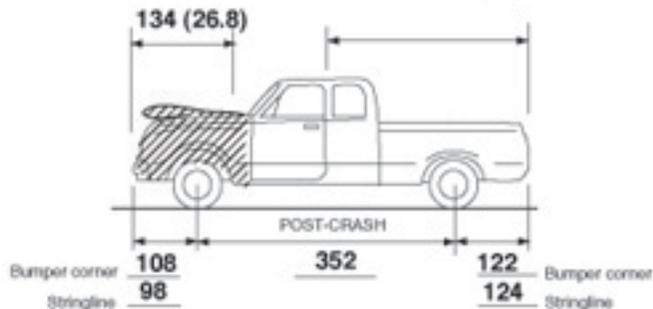
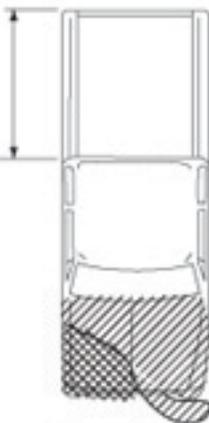
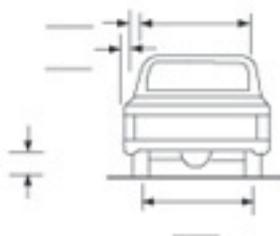
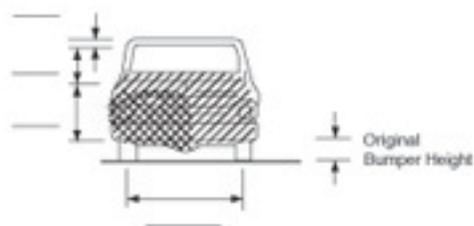
DOT-75 M180

3 B

DW01256GBN

• •

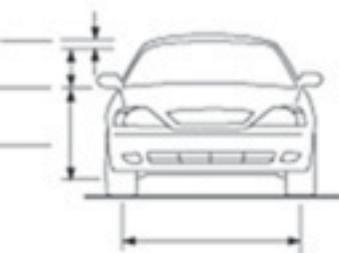
MEASUREMENTS IN CENTIMETERS



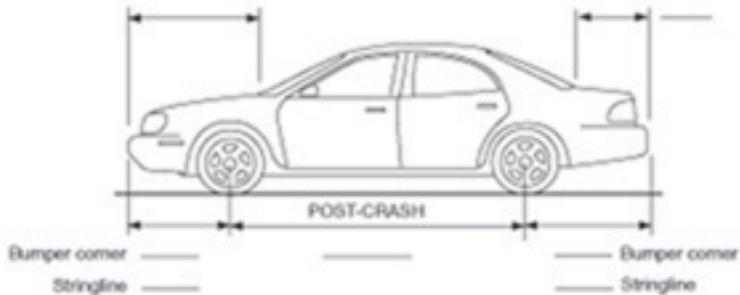
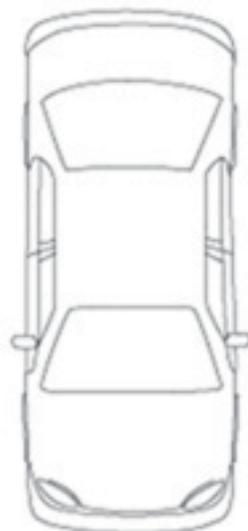
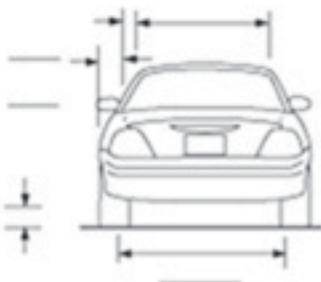
94 cm direct damage  
55 cm max crush at C6

MEASUREMENTS IN CENTIMETERS

VEHICLE NOT INSPECTED

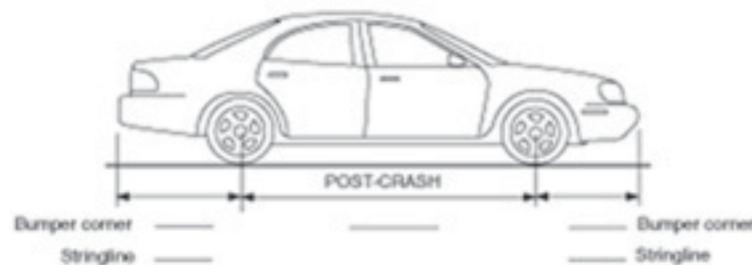


Original  
Bumper Height



Bumper corner  
Stringline

Bumper corner  
Stringline



Bumper corner  
Stringline

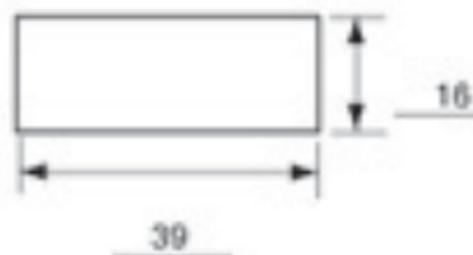
Bumper corner  
Stringline

Passenger Airbag



Passenger Airbag Door

Single Door



Vents: Y  N

if yes, how many: \_\_\_\_\_

Tethers: Y  N

if yes, how many: \_\_\_\_\_





























FUSES

HOOD

BRAKE









**AIR BAG  
WARNING**  
FLIP SEAT FORTH















265789





F-150



265789



205789

F150



F150  
SCOUT

985388





F150

265789

AMERICAN  
TRUCKS



64714

265787  
29

F150







265789

F150  
2.3LIT



F-150  
XLT

FORD

F-150  
3.5L V6

GENERAL

FREE  
AW





XFR

5189



X FR

6815789  
26592

250









X FR

265311

X









XFR

991598

2000



F150

AMERICAN

X-15

























WORLD  
WIDE  
TRAVEL

WORLD  
WIDE  
TRAVEL

WORLD  
WIDE  
TRAVEL







