

## Case 457 : Narrative

Case Vehicle (A): 2002 Ford	Vehicle (B): 2004 Kenworth
Type: Mustang, 2-door coupe	Type: T800 tractor with double trailer
Driver: 40-year-old female	Driver: 38-year-old male
CDC: 12-FDEW-2	CDC: 99-0000-0

### SITUATION

[1](#) [2](#) It was daylight and clear, and the concrete surface of the urban five-lane, north-south road with a posted speed limit of 45 mph (72 kph) was dry. Case vehicle (A) was traveling north at an unknown speed in the outside northbound lane and was approaching [3](#) vehicle (B), a tractor/double-trailer rig that was parked facing north in the same northbound lane. The driver of case vehicle (A) failed to stop and the front of case vehicle (A) struck the rear trailer of vehicle (B). Case vehicle (A) was towed from the scene and vehicle (B) was driven away.

The police accident report (PAR) indicates B-level injuries for the female driver of case vehicle (A), who was transported to a local hospital where she was treated and released. The PAR indicates 0-level injuries for the driver of vehicle (B), who did not seek treatment.

### GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[4](#) [5](#) Damage to the front of case vehicle (A) was moderate to severe. Direct damage extended 142-cm across the entire front of the vehicle with the [6](#) majority of the damage occurring above the bumper. [7](#) The maximum rearward crush was 49 cm and it occurred above the right-front bumper corner.

[8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) Using the WinSMASH crash-reconstruction program and crush profiles measured at, and above, the front bumper of case vehicle (A), the following impact severity was estimated for the impact between the front of case vehicle (A) and the rear of vehicle (B):

Vehicle	Variable	Estimated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	38 (24)	-38 (-24)	0 (0)

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

#### Exterior

[16](#) [17](#) [18](#) In the front, the entire bumper, the bumper reinforcement bar, the grill, the radiator, the radiator support, and the engine components were damaged and crushed rearward, and the bumper cover was completely separated from its attachments. The hood latch was damaged and jammed, and [19](#) [20](#) the hood hinges were bent up. The front and the rear sections of [21](#) the hood were elevated, and the right-

front section of the fiberglass hood was cracked and broken. [22](#) [23](#) Deformation to the lower-left corner of the cowl caused some vertical cracks in the left side of the windshield. The [24](#) right-rear corner of the hood was pushed into the cowl, and the cowl was pushed rearward into the [25](#) windshield, which caused cracks in the lower-right section of the windshield.

[26](#) On the right side, the fender was crushed rearward against the front tire but there was no damage to the right-front wheel or tire, [27](#) although the right wheelbase was reduced by 7 cm. [28](#) The passenger door was misaligned and jammed closed but the window, [29](#) which was down, was intact. [30](#) [31](#) There was no other damage to the right side of the case vehicle.

[32](#) On the left side, the front section of the fender was deformed. [33](#) [34](#) There was no damage to the wheels and there was no change in the left wheelbase. [35](#) [36](#) There was no other damage to the left side and there was [37](#) no damage to the rear of the case vehicle.

## Interior

[38](#) This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags, and both deployed during the frontal impact into the rear of vehicle (B). In the driver seating area, [44](#) there was no damage to the steering-wheel module cover but [45](#) [46](#) there were black streaks on both sides of the deployed airbag and [47](#) facial makeup on the center of the airbag. [40](#) There were black and orange marks on the sunvisor. [48](#) There was no damage to the upper or mid sections of the instrument panel, [49](#) but the knee bolster cover was misaligned, and [50](#) [51](#) there were scuffmarks on the knee bolster to the right and left of the steering column. [52](#) There was no damage to the floor in the driver area, [53](#) [54](#) but the right side of the brake pedal was bent forward. [39](#) [41](#) [42](#) [43](#) [55](#) There was no other damage in the driver area.

[56](#) [57](#) [58](#) There was no damage in the center-front area. [60](#) In the right-front seating area, the windshield was cracked due to external contact and [64](#) the toepan was displaced rearward. [63](#) There was no visible damage to the glove box but it would not close after being opened. [59](#) [61](#) [62](#) There was no other damage in the right-front seating area.

The following intrusion was noted and measured:

Location	Component	Distance (cm)	Direction
right front	toepan	11	to rear

## OCCUPANT KINEMATICS AND INJURIES

[65](#) The 152-cm, 52-kg (5-ft, 115-lb) 40-year-old female driver was using the three-point belt with pretensioner that was activated during the frontal impact, and the [38](#) steering-wheel airbag deployed. Belt use at the time of the crash is indicated by loading marks on the [66](#) D-ring, [67](#) on the continuous loop of the sliding latch plate, [68](#) [69](#) on the shoulder-belt guide, [70](#) and on the shoulder-belt webbing. Also, the seatbelt was locked in an extended position and [71](#) had been cut during extrication of the driver. [53](#) [54](#) Damage to the brake pedal indicates that the driver was probably applying the brakes during the collision.

During the frontal impact, the driver moved forward relative to the vehicle interior, into the belt restraints, the knee bolster, and the steering-wheel airbag. She lost consciousness, probably due to non-contact impact forces, but was awakened by rescue personnel and was fully alert and oriented thereafter. She sustained contusions and abrasions to both knees from contact with the knee bolster, [50](#) [51](#) as

evidenced by scuffmarks on the knee-bolster cover to the left and right of the steering column.

The following table [72](#) and attached drawing summarize the injuries for the belt-plus-airbag-restrained driver.

Occupant: Driver	Age: 40 years	Gender: Female		
Restraints: 3-point belt with pretensioner; steering-wheel airbag	Stature: 152 cm (5 ft)	Mass: 52 kg (115 lb)		
Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
—	—	—	—	—
Brief loss of consciousness	2	—	Non-contact impact forces	—
Contusions and abrasions, left knee	1	Knee bolster	—	—
Contusions and abrasions, right knee	1	Knee bolster	—	—
Maximum A.I.S. Level	2	—	—	—
Injury Severity Score	5	—	—	—

CASE NO.: 457

CASE VEHICLE: 2002 Ford

TYPE: Mustang, 2-door coupe

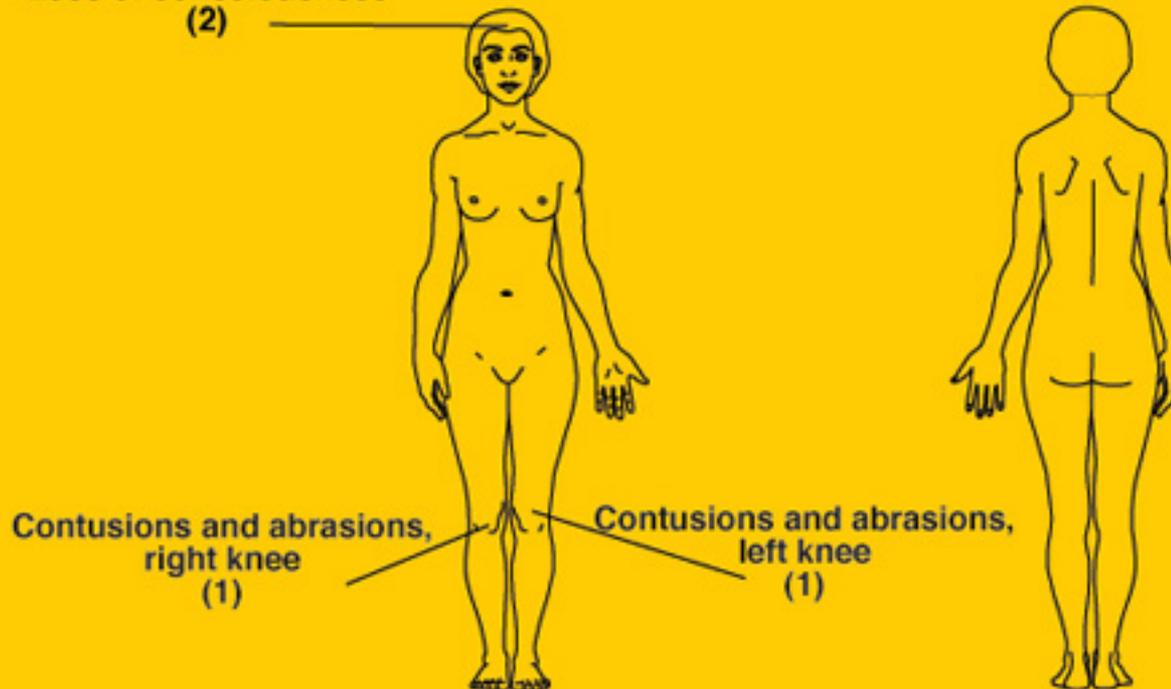
OCCUPANT: (Driver) 40-year-old female

STATURE: 152 cm (5 ft) MASS: 52 kg (115 lb)

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

SEVERITY: MAIS - 2 ISS - 5

Loss of consciousness  
(2)



Case No.: 457

Case Veh. (A): 2002 Ford

Type: Mustang, 2-door coupe

Driver: 40-year-old female

Vehicle (B): 2004 Kenworth T800, tractor with double trailer

Weather: Clear

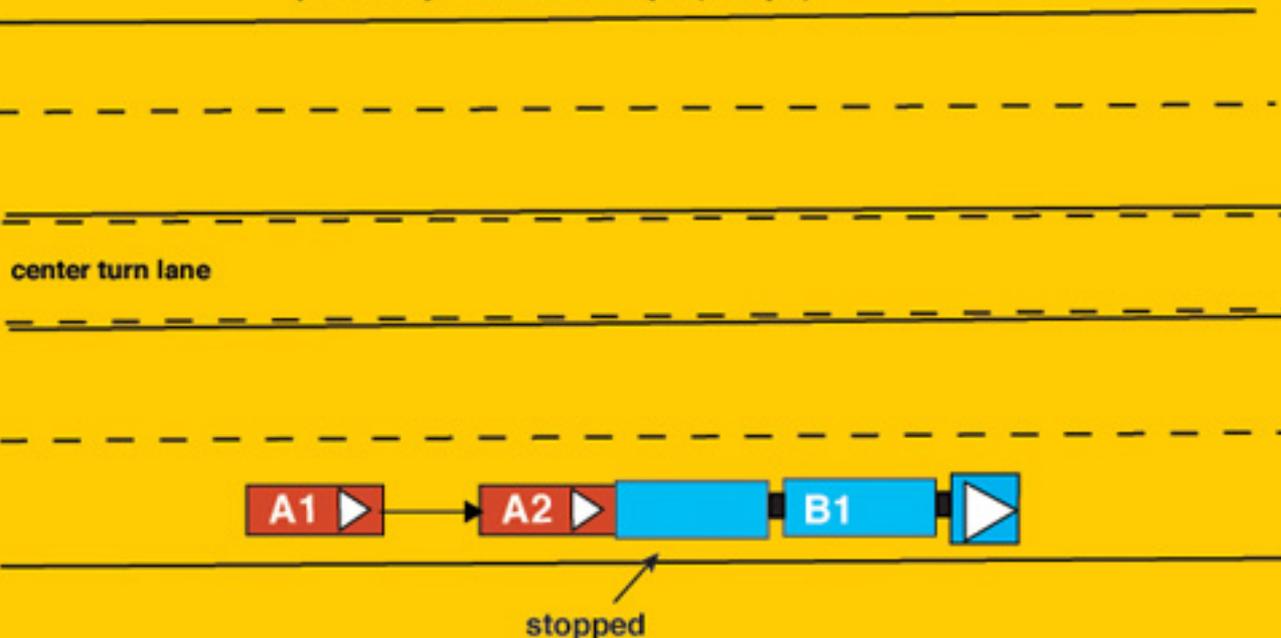
Road Surface: Dry

Road Construction: Concrete

Light Conditions: Daylight

NORTH →

posted speed limit 45 mph (72 kph)



# Case 457: 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	1112	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	4	4 lanes or more	<a href="#">more</a>
V0209	Intersect Road Total Lanes	8	Not applicable	<a href="#">more</a>
V0210	Trafficway Flow	0	Not physically divided - two way traffic	<a href="#">more</a>
V0211	Road Surface Type	2	Concrete	<a href="#">more</a>
V0212	Road Defects	0	No	<a href="#">more</a>
V0213	Construction Zone	0	No	<a href="#">more</a>
V0214	Road Alignment Vertical Plane	1	Level	<a href="#">more</a>

V0215	Road Alignment Horizontal Plane	1	Straight	<a href="#">more</a>
V0216	Surface Covering	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	9	Unknown	<a href="#">more</a>
V0223	Crosswind	9	Unknown	<a href="#">more</a>
V0224	Light Conditions	1	Daylight	<a href="#">more</a>
V0225	Mechanical Malfunction Mention	0	No	<a href="#">more</a>
V0226	Case Vehicle And Object	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	1	Yes	<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	0	No	<a href="#">more</a>
V0236	Case Vehicle Contacted Stopped Vehicle	1	Yes	<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	2	B - Non-Incapacitating Injury	<a href="#">more</a>
V0241	Driver Alcohol Involvmnt	0	Had not been drinking	<a href="#">more</a>
V0242	Driver Alcohol BAC (Case Vehicle)	80	No test	<a href="#">more</a>
V0243	Driver Impairment Mention	0	No	<a href="#">more</a>
V0244	Driver Distraction	97	Distracted/inattentive, details 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	1XKDDP0X64XXXXXXX	—	<a href="#">more</a>
V0302	Other Vehicle Manufacturer/Body Code	16438	—	—
V0303	Other Vehicle Manufacturer	164	Kenworth	<a href="#">more</a>
V0304	Other Vehicle Body Code	38	Truck-tractor with semi-trailer	<a href="#">more</a>
V0305	Other Vehicle Make/model	8120	Kenworth T-800 Tractor	<a href="#">more</a>
V0306	Other Vehicle Model Year	2004	Year	<a href="#">more</a>
V0307	Other Vehicle Mass	999999	Unknown	<a href="#">more</a>
V0308	Other Vehicle Number	0	No separate report	<a href="#">more</a>
V0309	Other Vehicle Number of Occupants	01	number of occupants	<a href="#">more</a>
V0310	Other Vehicle Traveling Speed	000 kph	Parked or just starting	<a href="#">more</a>
V0311	Highest Police Injury Severity	0	O - No Injury	<a href="#">more</a>
V0312	Other Vehicle Type	38	Tractor and semi-trailer (semi)	<a href="#">more</a>
V0313	Other Vehicle Wheelbase in Centimeters	999	Unknown wheelbase	<a href="#">more</a>
V0314	Other Vehicle Average Track Width	999	Unknown	<a href="#">more</a>
V0315	Other Vehicle Overall Length	999	Unknown	<a href="#">more</a>
V0316	Other Vehicle Overall Width (OAW)	999	Unknown	<a href="#">more</a>
V0317	Other Vehicle Front Overhang	999	Unknown	<a href="#">more</a>
V0318	Other Vehicle Rear Overhang	999	Unknown	<a href="#">more</a>

V0319	Other Vehicle Undeformed End Width (UEW)	999	Unknown	<a href="#">more</a>
V0320	Other Vehicle Engine Displacement	9.9	Unknown	<a href="#">more</a>
V0321	Other Vehicle Engine: Number of Cylinders	99	Unknown	<a href="#">more</a>
V0322	Other Vehicle Direct Damage Length (DDL)	999	Unknown	<a href="#">more</a>
V0323	Other Vehicle Front-End Overlap	99	Missing or Not applicable	<a href="#">more</a>
V0324	Other Vehicle - Vehicle Overlap	99	Missing or Not applicable	<a href="#">more</a>

### Case Vehicle General

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0401	VIN	1FAFP40462XXXXXX	<a href="#">Click for Case Vehicle figure</a>	<a href="#">more</a>
V0402	Manufacturer/Body Code	12127	—	—
V0403	Vehicle Manufacturer	121	Ford	<a href="#">more</a>
V0404	Vehicle Body Code	27	Compact 100-104.9 in. wb.	<a href="#">more</a>
V0405	Make/model Code	0244	Mustang, Mustang II	<a href="#">more</a>
V0406	Model Year	2002	Model year	<a href="#">more</a>
V0407	Vehicle Mass	001531 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	12	2-door sedan or coupe (any upper B-pillar)	<a href="#">more</a>
V0412	Stolen Vehicle	8	Not currently collected	<a href="#">more</a>
V0413	Body Structure	2	Unitized	<a href="#">more</a>
V0414	Transmission Type	1	Automatic	<a href="#">more</a>
V0415	Transmission Lever Location	2	Console	<a href="#">more</a>
V0416	Steering	1	Power	<a href="#">more</a>
V0417	Brakes	1	Power	<a href="#">more</a>
V0418	Brake Type	2	Disc - front wheels	<a href="#">more</a>
V0419	Adjustable Pedals?	0	No	<a href="#">more</a>
V0420	Brake Anti-lock Device	1	Two-wheel	<a href="#">more</a>

V0421	Air Conditioning in Vehicle	8	Not currently collected	<a href="#">more</a>
V0422	Drive Type	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	257 cm	Actual Wheelbase	<a href="#">more</a>
V0428	Anti-lacerative Glass	8	Not Collected	<a href="#">more</a>
V0429	Case Vehicle average track Width	154 cm	actual measurement (cm)	<a href="#">more</a>
V0430	Case Vehicle Overall Length	466 cm	actual measurement (cm)	<a href="#">more</a>
V0431	Case Vehicle Overall Width (OAW)	186	actual measurement (cm)	<a href="#">more</a>
V0432	Case Vehicle Front Overhang	104 cm	actual measurement (cm)	<a href="#">more</a>
V0433	Case Vehicle Rear Overhang	105 cm	actual measurement (cm)	<a href="#">more</a>
V0434	Case Vehicle Undeformed End Width (UEW)	142 cm	actual measurement (cm)	<a href="#">more</a>
V0435	Case Vehicle Engine Displacement	3.8 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)	142 cm	actual measurement (cm)	<a href="#">more</a>
V0438	Case Vehicle Front-end Overlap	98	98% or more	<a href="#">more</a>
V0439	Case Vehicle - Vehicle Overlap	98	98% or more	<a href="#">more</a>

### Case Vehicle Damage Description

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0501	Maximum Sheet Metal Crush - Front	049 cm	Depth of Crush (cm)	<a href="#">more</a>

V0502	Maximum Sheet Metal Crush - Right Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0503	Maximum Sheet Metal Crush - Rear	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
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	14	FRONT of case veh - REAR of contacted veh	<a href="#">more</a>
V0510	Event 1 -Object/Vehicle Contactd	38	Tractor and semi-trailer (semi)	<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)	049	Crush measurements in cm	<a href="#">more</a>
V0533	Primary CDC Case Vehicle- clock #1	12	12 o'clock	<a href="#">more</a>
V0534	Primary CDC Case Vehicle- Letter 1 #1	06	F - Front	<a href="#">more</a>
V0535	Primary CDC Case Vehicle- Letter 2 #1	04	D - Distributed (Side or End)	<a href="#">more</a>
V0536	Primary CDC Case Vehicle- Letter 3 #1	05	E - Everything below belt line	<a href="#">more</a>
V0537	Primary CDC Case Vehicle- Letter 4 #1	23	W - Wide impact area	<a href="#">more</a>
V0538	Primary CDC Case Vehicle - Extent #1	2	—	—
V0539	Primary CDC - Contacted Vehicles Assoc CDC - CDC #1	12FDEW2	—	—
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	99	Unknown or no damage	<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	9900000	—	—
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	-038	—	—
V0604	Primary delta-V Case Vehicle-Lateral	0000	—	—
V0605	Primary Delta V Case Vehicle - Energy Dissipated by Crush (k	0092	—	—
V0606	Primary Delta-V Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V0607	Primary Delta-V Case Vehicle- Mode	2	CDC & detailed damage	<a href="#">more</a>
V0608	Primary Delta V Contacted Vehicle - Total Delta V	888	Not Applicable	<a href="#">more</a>
V0609	Primary delta-V Contacted	8888	—	—

	Vehicle-LONGITUD			
V0610	Primary delta-V Contacted Vehicle-Lateral	8888	—	—
V0611	Primary delta-V Contacted Vehicle - Energy Dissipated by Cru	8888	—	—
V0612	Secondary Delta-V Case Vehicle-event #	8	Not applicable	<a href="#">more</a>
V0613	Secondary Delta V Case Vehicle - Total Delta V	888	Not applicable	<a href="#">more</a>
V0614	Secondarydelta-V Case Vehicle -LONGITUD	8888	—	—
V0615	Secondary delta-V Case Vehicle-Lateral	8888	—	—
V0616	Secondary delta-V Case Vehicle - Energy Dissipated by Crush	8888	—	—
V0617	Secondary Delta-V Case Vehicle-Reconstruction	88	Not applicable	<a href="#">more</a>
V0618	Secondary Delta-V Case Vehicle- Mode	8	Not applicable	<a href="#">more</a>
V0619	Secondary Delta V Contacted Vehicle - Total Delta V	888	Not applicable	<a href="#">more</a>
V0620	Secondary delta-V Contacted Vehicle-LONGITUD	8888	—	—
V0621	Secondary delta-V Contacted Vehicle-Lateral	8888	—	—
V0622	Secondary delta-V Contacted Vehicle - Energy Dissipated By C	8888	—	—
V0623	Primary EBS Case Vehicle-event #	1	Event number 1	<a href="#">more</a>
V0624	Primary EBS Case Vehicle - Total EBS	038 kph	kph	<a href="#">more</a>
V0625	Primary EBS Case Vehicle - LONGITUD	-038	—	—
V0626	Primary EBS Case Vehicle-Lateral	0000	—	—
V0627	Primary EBS Case Vehicle - Energy Dissipated by Crush (kj)	0092	—	—
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	888	Not Applicable	<a href="#">more</a>
V0631	Primary EBS Contacted Vehicle-LONGITUD	8888	—	—
V0632	Primary EBS Contacted Vehicle-Lateral	8888	—	—
V0633	Primary EBS Contact Vehicle - Energy Dissipated by Crush (kj	8888	—	—
V0634	Secondary EBS Case Vehicle-event #	8	Not applicable	<a href="#">more</a>
V0635	Secondary EBS Case Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0636	Secondary EBS Case Vehicle -LONGITUD	8888	—	—
V0637	Secondary EBS Case Vehicle-Lateral	8888	—	—
V0638	Secondary EBS Case Vehicle - Energy Dissipated by Crush (kj)	8888	—	—
V0639	Secondary EBS Case Vehicle-Reconstruction	88	Not applicable	<a href="#">more</a>
V0640	Secondary EBS Case Vehicle- Mode	8	Not applicable	<a href="#">more</a>
V0641	Secondary EBS Contacted Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
V0642	Secondary EBS Contacted Vehicle-LONGITUD	8888	—	—
V0643	Secondary EBS Contacted Vehicle-Lateral	8888	—	—
V0644	Secondary EBS Contact Vehicle - Energy Dissipated by Crush (	8888	—	—
V0645	Specific Event # Case(1)	1	Event number 1	<a href="#">more</a>
V0646	Plane of Impact Case Vehicle (1)	5	Other	<a href="#">more</a>
V0647	Direct Damage Length (DDL) - Case Vehicle (1)	142 cm	cm	<a href="#">more</a>
V0648	Direct Damage Maximum Crush - Case Vehicle (1)	049 cm	cm	<a href="#">more</a>
V0649	Direct and Induced Damage Length in CM	128 cm	cm	<a href="#">more</a>

V0650	Field C1 - Case Vehicle (1)	013 cm	cm	<a href="#">more</a>
V0651	Field C2 - Case Vehicle (1)	037 cm	cm	<a href="#">more</a>
V0652	Field C3 - Case Vehicle (1)	040 cm	cm	<a href="#">more</a>
V0653	Field C4 - Case Vehicle (1)	040 cm	cm	<a href="#">more</a>
V0654	Field C5 - Case Vehicle (1)	037 cm	cm	<a href="#">more</a>
V0655	Field C6 - Case Vehicle (1)	040 cm	cm	<a href="#">more</a>
V0656	Direct Damage D Value = The Center of Direct Damage Offset t	+000 cm	Offset (cm)	<a href="#">more</a>
V0657	Specific Event # Case(2)	1	Event number 1	<a href="#">more</a>
V0658	Plane of Impact Case Vehicle (2)	5	Other	<a href="#">more</a>
V0659	Direct Damage Length (DDL) - Case Vehicle (2)	142 cm	cm	<a href="#">more</a>
V0660	Direct Damage MaximumCrush - Case Vehicle (2)	049 cm	cm	<a href="#">more</a>
V0661	Direct and Induced Damage Length in CM	128 cm	cm	<a href="#">more</a>
V0662	Field C1 - Case Vehicle (2)	013 cm	cm	<a href="#">more</a>
V0663	Field C2 - Case Vehicle (2)	037 cm	cm	<a href="#">more</a>
V0664	Field C3 - Case Vehicle (2)	040 cm	cm	<a href="#">more</a>
V0665	Field C4 - Case Vehicle (2)	040 cm	cm	<a href="#">more</a>
V0666	Field C5 - Case Vehicle (2)	037 cm	cm	<a href="#">more</a>
V0667	Field C6 - Case Vehicle (2)	040 cm	cm	<a href="#">more</a>
V0668	Direct Damage D Value = The Center of Direct Damage Offset t	+000 cm	cm	<a href="#">more</a>
V0669	Specific Event # Cont(1)	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	0	No	<a href="#">more</a>
V0703	Right Rear Wheel Damaged	0	No	<a href="#">more</a>
V0704	Left Rear Wheel Damaged	0	No	<a href="#">more</a>
V0705	Left Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V0706	Right Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V0707	Right Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V0708	Left Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V0709	Left Front Carcass Construction	3	Radial	<a href="#">more</a>
V0710	Right Front Carcass Construction	3	Radial	<a href="#">more</a>
V0711	Right Rear Carcass Construction	3	Radial	<a href="#">more</a>
V0712	Left Rear Carcass Construction	3	Radial	<a href="#">more</a>
V0713	Left Front Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0714	Right Front Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0715	Right Rear Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0716	Left Rear Tire Condition Precrash	0	Normal - no pre-crash problems	<a href="#">more</a>
V0717	Left Front Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0718	Right Front Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0719	Right Rear Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0720	Left Rear Tire Condition Postcrash	0	Normal - no damage to tire	<a href="#">more</a>
V0721	Left Front Tire Involvement	0	No	<a href="#">more</a>
V0722	Right Front Tire Involvement	0	No	<a href="#">more</a>
V0723	Right Rear Tire Involvement	0	No	<a href="#">more</a>
V0724	Left Rear Tire Involvement	0	No	<a href="#">more</a>
V0725	Left Front Tire Size	P22555R16	—	—
V0726	Right Front Tire Size	P22555R16	—	—
V0727	Right Rear Tire Size	P22555R16	—	—

V0728	Left Rear Tire Size	P22555R16	—	—
V0729	Left Front Tire Pressure (recorded in psi)	27.5 psi	Actual tire pressure in psi	<a href="#">more</a>
V0730	Right Front Tire Pressure (recorded in psi)	24.0 psi	Actual tire pressure in psi	<a href="#">more</a>
V0731	Right Rear Tire Pressure (recorded in psi)	28.0 psi	Actual tire pressure in psi	<a href="#">more</a>
V0732	Left Rear Tire Pressure (recorded in psi)	27.5 psi	Actual tire pressure in psi	<a href="#">more</a>
V0733	Left Front Tread Depth	08	08/32"	<a href="#">more</a>
V0734	Right Front Tread Depth	07	07/32"	<a href="#">more</a>
V0735	Right Rear Tread Depth	07	07/32"	<a href="#">more</a>
V0736	Left Rear Tread Depth	08	08/32"	<a href="#">more</a>

### Case Vehicle Fuel Tank

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0801	Propulsive Fuel Type	1	Gasoline	<a href="#">more</a>
V0802	Main Tank Location	322	Within frame/centered laterally - within vertica	<a href="#">more</a>
V0803	Main Filler Cap Location	133	Right of frame laterally - above vertically	<a href="#">more</a>
V0804	Main Tank Material	9	Unknown	<a href="#">more</a>
V0805	Aux Tank Type	8	Not applicable (not equipped)	<a href="#">more</a>
V0806	Aux Tank Location	888	Not applicable (not equipped)	<a href="#">more</a>
V0807	Aux Filler Cap Location	888	Not applicable (not equipped)	<a href="#">more</a>
V0808	Aux Tank Material	8	Not applicable	<a href="#">more</a>

### Case Vehicle Fuel Leakage

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

### Case Vehicle Fire

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

## Case Vehicle Exterior

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1101	Hood Latch Released	0	No	<a href="#">more</a>
V1102	Hood Latch Damaged	1	Yes	<a href="#">more</a>
V1103	Hood Latch Jammed	1	Yes	<a href="#">more</a>
V1104	Left Hood Hinge Damaged	1	Yes	<a href="#">more</a>
V1105	Left Hood Hinge Separated	0	No	<a href="#">more</a>
V1106	Right Hood Hinge Damaged	1	Yes	<a href="#">more</a>
V1107	Right Hood Hinge Separated	0	No	<a href="#">more</a>
V1108	Hood Remained On Vehicle	1	Yes	<a href="#">more</a>
V1109	Rear Hood Edge Elevated	1	Yes	<a href="#">more</a>
V1110	Edge Contacted Windshield	0	No	<a href="#">more</a>
V1111	Edge Penetrated Windshield	8	Not applicable	<a href="#">more</a>
V1112	Hood Latch Location	1	Front of Vehicle	<a href="#">more</a>
V1113	Eng/transmissn Mount Separated	0	No	<a href="#">more</a>
V1114	Steering Column Flex Couplng	9	Unknown if equipped	<a href="#">more</a>
V1115	Steering Column Coupling Dam	9	Unknown	<a href="#">more</a>
V1116	Steering Column Coupling Separated	9	Unknown	<a href="#">more</a>
V1117	Eng Comp Telescopng Unit	88	Not currently collected	<a href="#">more</a>
V1118	Compartment Unit's Original/telescoped Length Difference	888	Not currently collected	<a href="#">more</a>
V1119	Left Side Body Mount Separated	8	Not applicable (unitized)	<a href="#">more</a>
V1120	Upper Left A-pillar Sep	0	No	<a href="#">more</a>
V1121	Lower Left A-pillar Sep	0	No	<a href="#">more</a>
V1122	Upper Left B-pillar Sep	0	No	<a href="#">more</a>
V1123	Lower Left B-pillar Sep	0	No	<a href="#">more</a>
V1124	Upper Left C-pillar Sep	0	No	<a href="#">more</a>
V1125	Lower Left C-pillar Sep	8	Not applicable (not equipped)	<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	00	Door did not open	<a href="#">more</a>

	Cause			
V1129	Left Rear Door Opening Cause	98	Not applicable (no left rear door)	<a href="#">more</a>
V1130	Left Front Door Jammed Closed	0	No	<a href="#">more</a>
V1131	Left Rear Door Jammed Closed	8	Not applicable (no left rear door)	<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	3	Partially open	<a href="#">more</a>
V1134	Left Rear Glazing Availability	1	Fixed	<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 Glazng Availability	8	Not Applicable (No Door)	<a href="#">more</a>
V1143	Rear Glazing Damage	8	Not Applicable (No Door)	<a href="#">more</a>
V1144	Luggage Partition Damaged	8	Not applicable	<a href="#">more</a>
V1145	Spare Tire Status	8	Not collected	<a href="#">more</a>
V1146	Trailer Hitch Type	0	No hitch	<a href="#">more</a>
V1147	Trailer Type	0	No trailer	<a href="#">more</a>
V1148	Rght Side Body Mount Separated	8	Not applicable (unitized)	<a href="#">more</a>
V1149	Upper Right A-pillar Separated	0	No	<a href="#">more</a>
V1150	Lower Right A-pillar Separated	4	No separation, but damaged	<a href="#">more</a>
V1151	Upper Right B-pillar Separated	0	No	<a href="#">more</a>
V1152	Lower Right B-pillar Separated	0	No	<a href="#">more</a>
V1153	Upper Right C-pillar Separated	0	No	<a href="#">more</a>
V1154	Lower Right C-pillar Separated	8	Not applicable (not equipped)	<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	98	Not applicable (no right rear door)	<a href="#">more</a>
V1159	Right Front Door Jammed Closed	1	Yes	<a href="#">more</a>
V1160	Right Rear Door Jammed Closed	8	Not applicable (no right rear door)	<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	4	Fully open	<a href="#">more</a>
V1163	Right Rear Glazing Availability	1	Fixed	<a href="#">more</a>
V1164	Rr2 Glazing Availability	0	No glazing present	<a href="#">more</a>
V1165	Right Front Glazing Damage	0	No damage	<a href="#">more</a>
V1166	Right Rear Glazing Damage	0	No damage	<a href="#">more</a>
V1167	Rr2 Glazing Damage	8	Not Applicable (No Door)	<a href="#">more</a>
V1168	Windshield Cracked	1	Yes	<a href="#">more</a>
V1169	Windshield Broken	0	No <a href="#">Click for Windshield Damage figure</a>	<a href="#">more</a>
V1170	Occupant Cracked/Broke Wndshld	0	No	<a href="#">more</a>
V1171	Bond Separation Extent	0	None	<a href="#">more</a>
V1172	Windshield Code	97	<a href="#">Click for Windshield Mark figure</a>	<a href="#">more</a>
V1173	Did Sun Roof/T-Roof Open	8	Not Applicable	<a href="#">more</a>

### Case Vehicle Steering Column/Rim

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1201	Steering Wheel Rim Damage	0	None	<a href="#">more</a>
V1202	Number of Steering Wheel Spokes	4	4 spokes	<a href="#">more</a>
V1203	Steering Wheel Spoke Damage	0	None	<a href="#">more</a>
V1204	Steering Wheel Hub Damage	0	None	<a href="#">more</a>
V1205	Steering Wheel Location of Rim Damage	0	No damage	<a href="#">more</a>
V1206	Aftermarket Add-on Device	0	None	<a href="#">more</a>

V1207	Column Tilt Feature	2	Up	<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

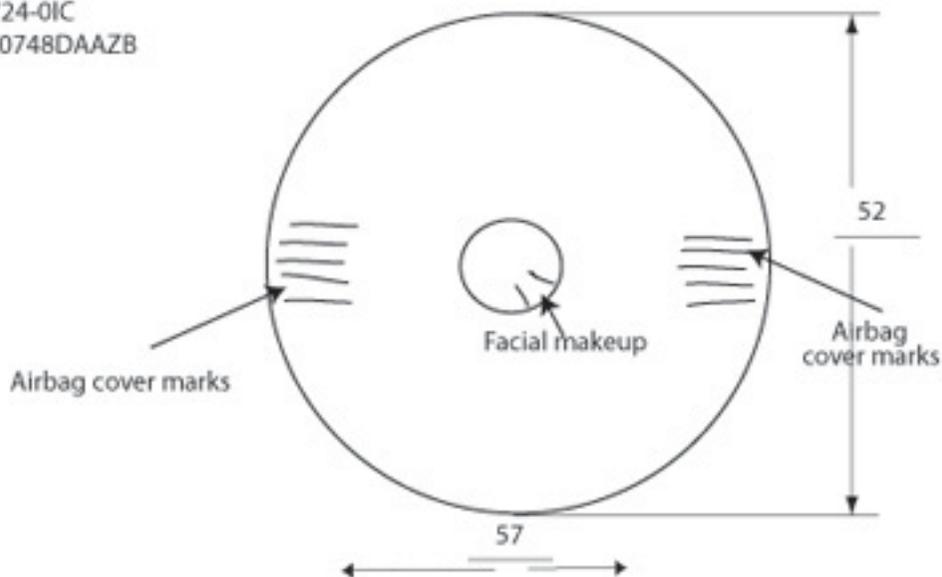
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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1301	Was Occupant Compartment Intruded	1	Yes <a href="#">Click for Intrusion Worksheet figure</a> <a href="#">Click for Intrusion figure</a>	<a href="#">more</a>
V1302	Was Intrusn Catastrophic	0	No	<a href="#">more</a>
V1303	Intrusion Number #1	01	Intrusion #1	<a href="#">more</a>
V1304	Occupant Space Number(1)	13	First row, Right seat	<a href="#">more</a>
V1305	Intrud Component/obj (1)	03	Toe pan	<a href="#">more</a>
V1306	Associate Event Numb (1)	1	Event #1	<a href="#">more</a>
V1307	Maximum Intrusion X Axis	11 cm	Intrusion (cm)	<a href="#">more</a>
V1308	Maximum Intrusion Y Axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1309	Maximum Intrusion Z Axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1310	Occupant Number #1 (1)	00	No contact or no intrusion	<a href="#">more</a>
V1311	Injury Number #1 (1)	00	No injury or no intrusion	<a href="#">more</a>
V1312	Occupant Number #2 (1)	00	No contact or no intrusion	<a href="#">more</a>
V1313	Injury Number #2 (1)	00	No injury or no intrusion	<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 Component/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>

### Driver Airbag

P12724-0IC  
TMN0748DAAZB



Vents:  Y  N

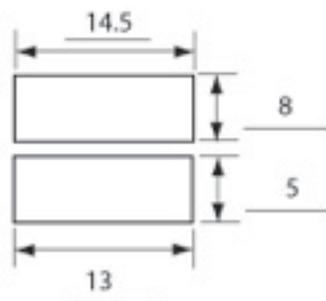
if yes, how many: 2

Tethers:  Y  N

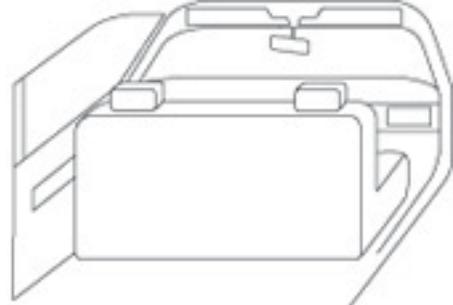
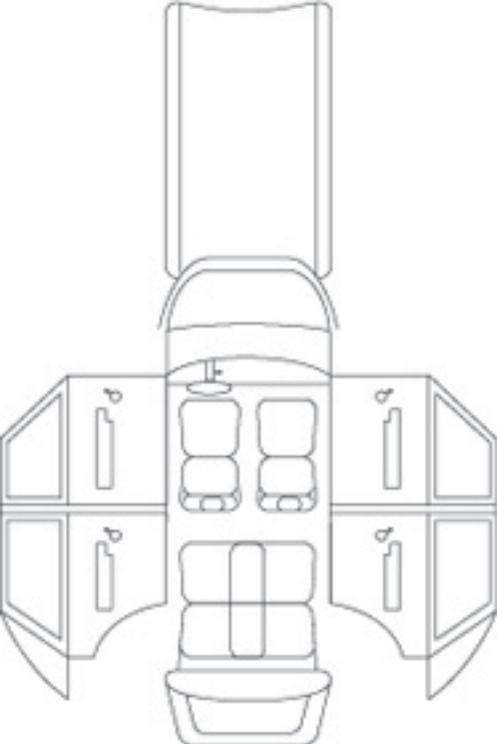
if yes, how many: 2

vents located at 11 and 1 o'clock

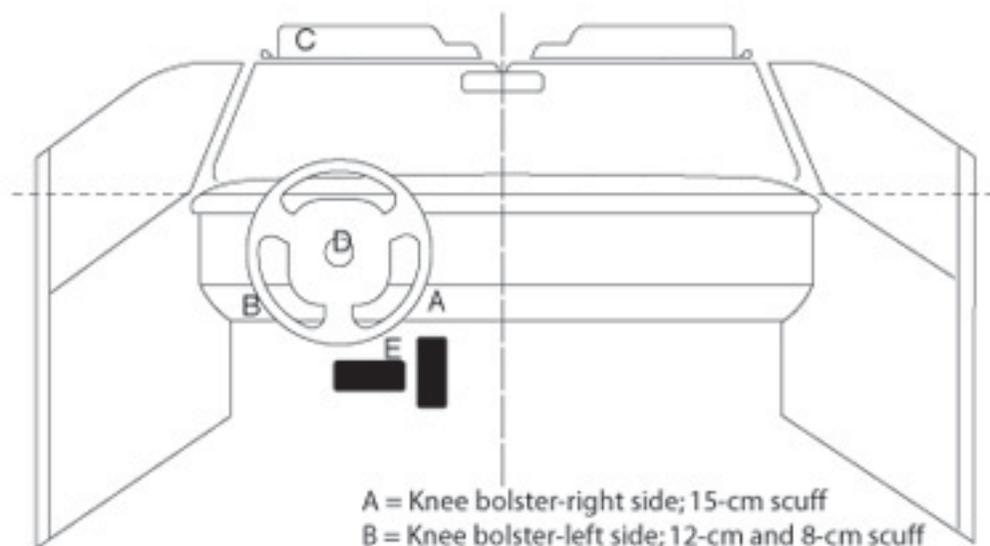
### Driver Airbag Doors



H-Pattern



Evidence of belt use: Yes  
 Webbing cut  
 Pretensioner activated  
 D-ring scuffs  
 Cuts in webbing from plastic loop on seat  
 Scratch on plastic loop on seat  
 Scratch on continuous loop



A = Knee bolster-right side; 15-cm scuff  
 B = Knee bolster-left side; 12-cm and 8-cm scuff  
 C = Sunvisor; brown and orange marks  
 D = Airbag; brown marks, facial makeup  
 E = Brake pedal-right side; bent forward

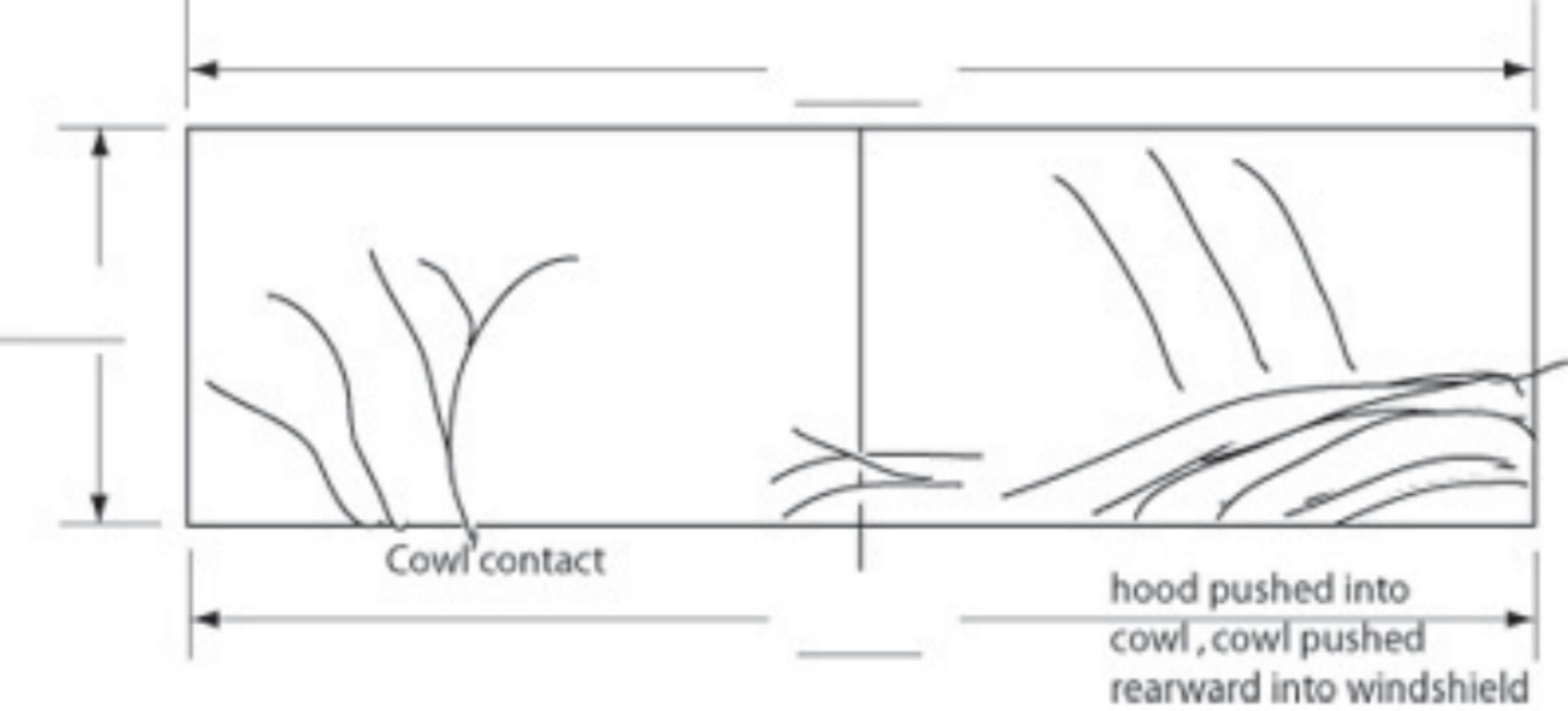
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)					Dominant Crush Direction
		Comparison Value	–	Intruded Value	=	Intrusion	
13	Toe pan	65	–	54	=	11	To rear
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		
			–		=		

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Knee bolster-right side	1	Knee	15-cm scuff	1
B	Knee bolster-left side	1	Knee	12-cm and 8-cm scuff	1
C	Sunvisor	1	Head or hand	Brown and orange marks	2
D	Airbag	1	Face	Brown marks, facial makeup	1
E	Brake pedal-right side	1	Foot	Bent forward	2



**WINDSHIELD MARK**



**(V) Carlite (R)**

**SOLAR TINT**

**LAMINATED AS1**

**DOT-287**

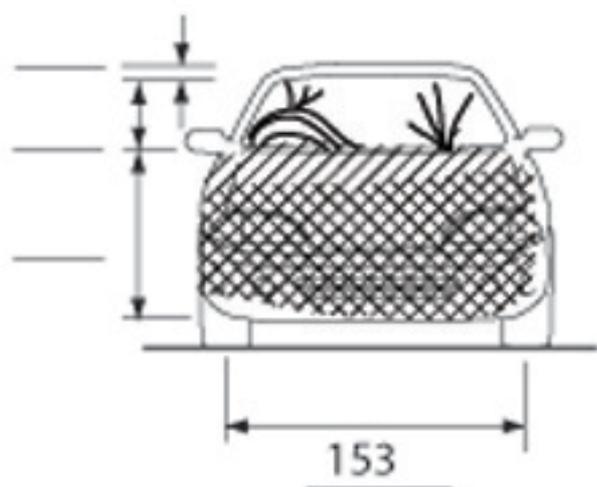
**VF-M557**

**2**

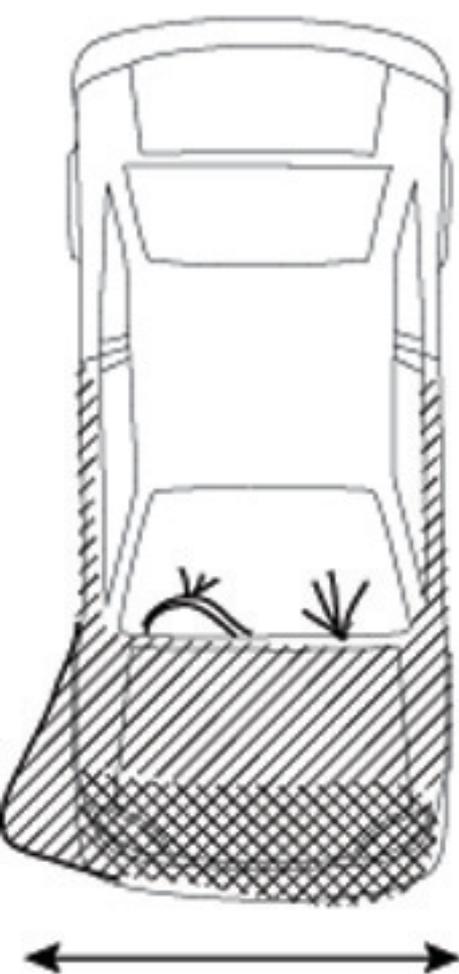
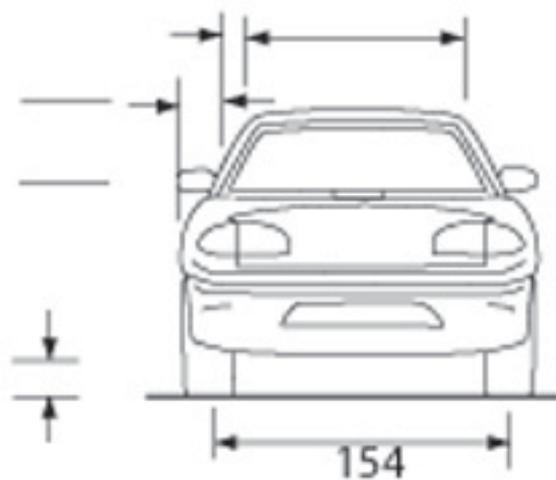
**D**

**DW-1395/1396**

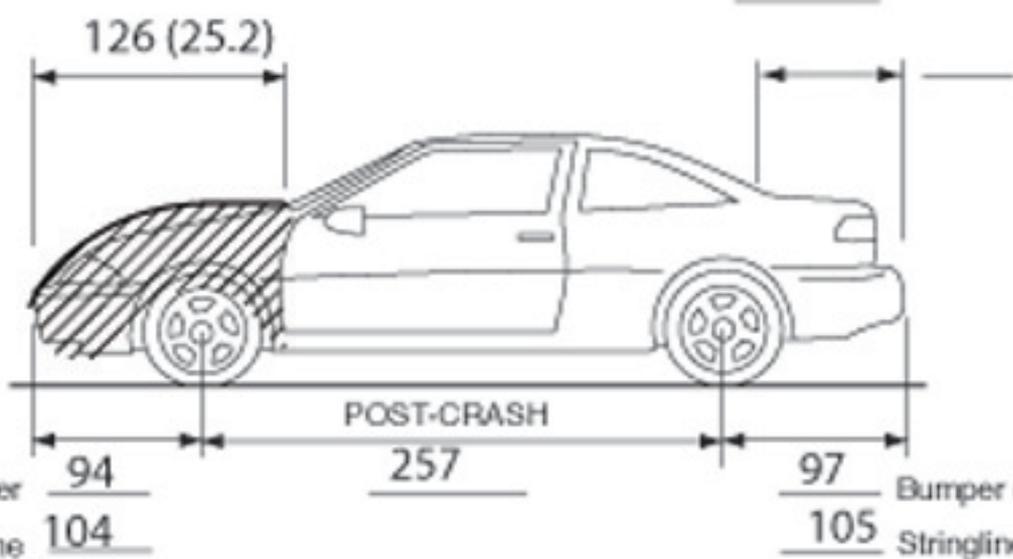
MEASUREMENTS IN CENTIMETERS



Original  
Bumper Height

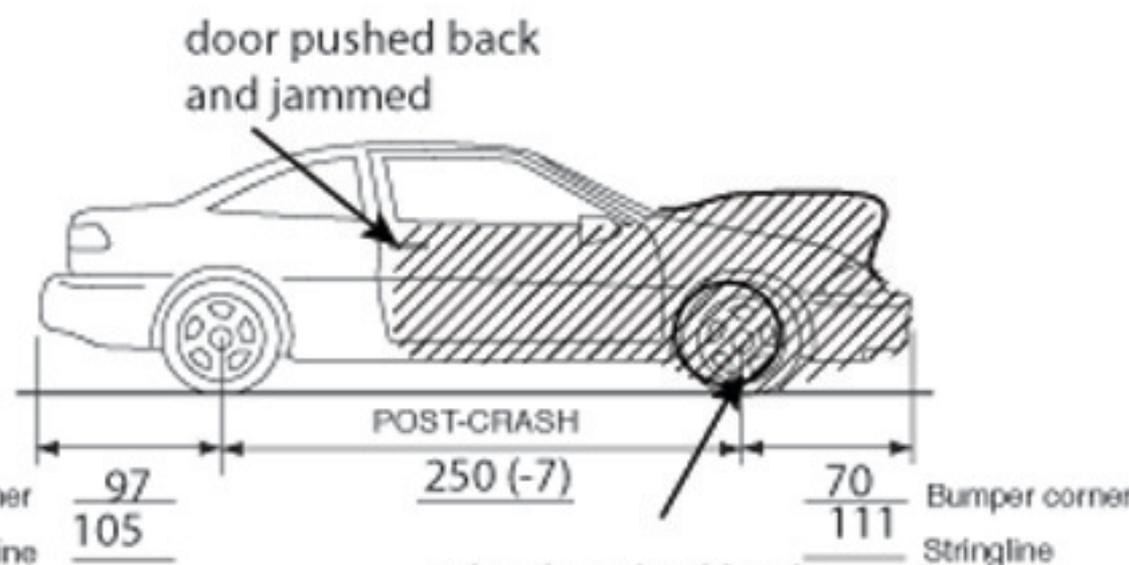


142-cm direct damage  
49-cm max above bumper crush  
31-cm max bumper crush  
40-cm average max bumper crush



Bumper corner  
Stringline

Bumper corner  
Stringline



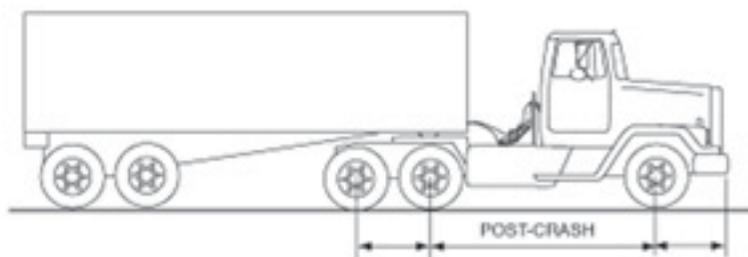
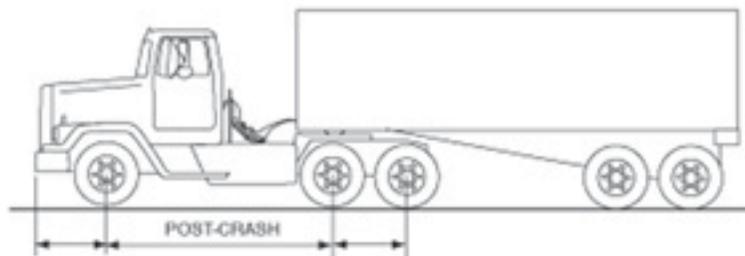
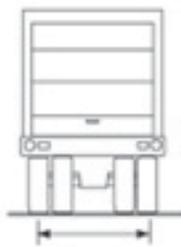
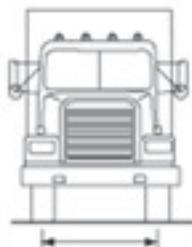
Bumper corner  
Stringline

Bumper corner  
Stringline

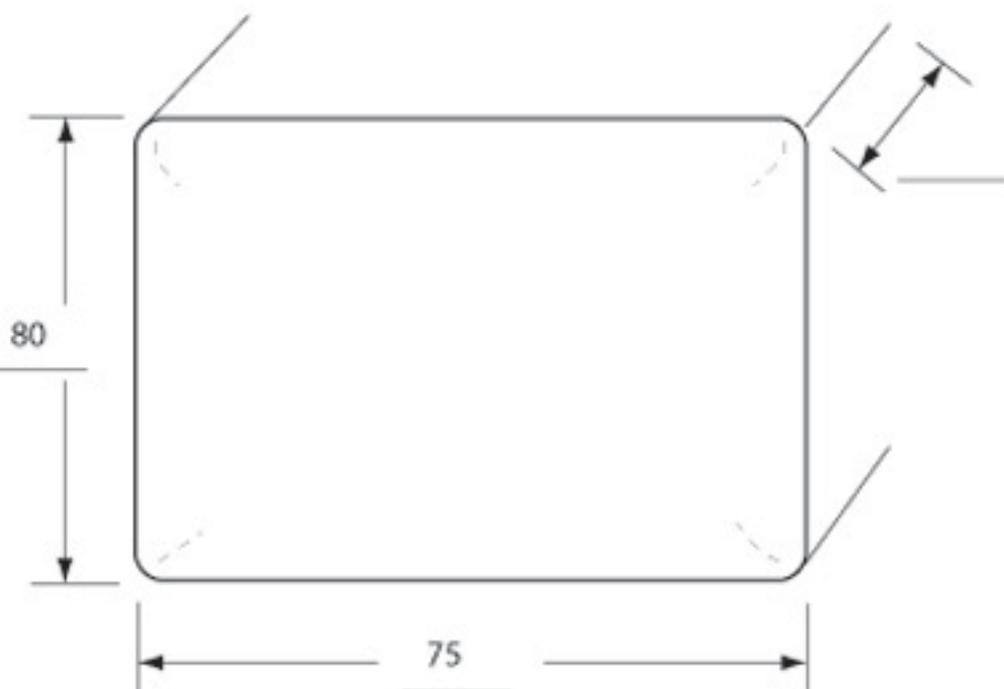
door pushed back  
and jammed

wheel pushed back  
into tire, restricted

MEASUREMENTS IN CENTIMETERS



### Passenger Airbag



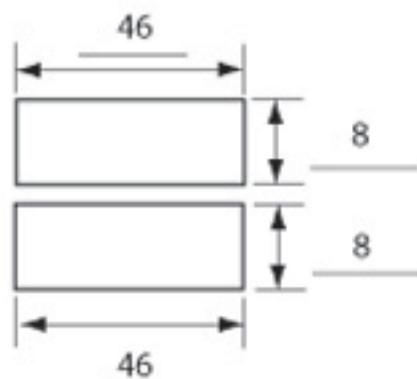
Vents: Y  N

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

Tethers: Y  N

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

### Passenger Airbag Doors















ROYAL

U.S. AIR FORCE











**A WARNING**  
Do not drink and drive. Do not drink alcohol or use drugs before driving. Do not use alcohol, drugs, or medication that may impair your ability to drive. Do not drink and drive. Do not drink alcohol or use drugs before driving. Do not use alcohol, drugs, or medication that may impair your ability to drive.















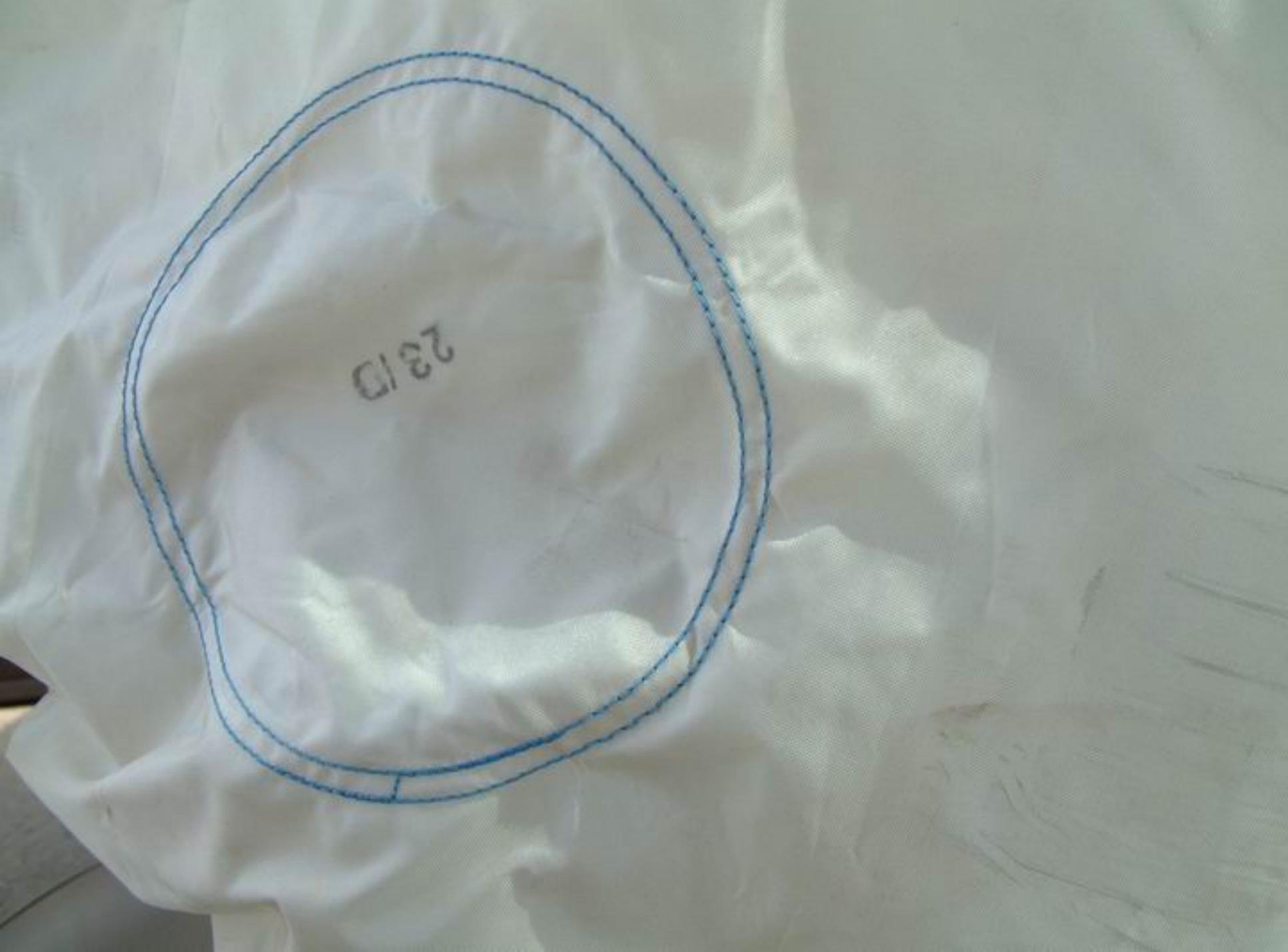










A white fabric garment, possibly a shirt or undershirt, is shown with a blue double-line circular outline drawn around a central area. Inside this circle, the number '2310' is printed in a dark color. The fabric is wrinkled and appears to be laid out on a light-colored surface.

2310



2317

23/10











## **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 BELTS** and **CHILD RESTRAINTS**.



**WARNING**  
Do not use the vehicle if the windshield is cracked or broken.









886948

MUSTANG





VOLVO

Wheels  
& Tires  
- 6998



MUST









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APPENDICE CORSO



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CENTER  
LANE  
ONLY





