

## Case 439 : Narrative

Case Vehicle (A): 2002 Ford
Type: Escape XLT, 4-door SUV
Driver: 21-year-old male
CDC: 12-FYEW-4

This was a fatal crash. The unbelted driver of case vehicle (A) died of a cardiac tamponade due to laceration of the left ventricle in a severe frontal crash.

### SITUATION

[1](#) [2](#) On a cloudy night, case vehicle (A) was traveling west at an unknown speed on a two-way, two-lane, dirt road, in a rural area. The road surface was snow-covered, it was dark and unlighted, and the speed limit was 55 mph (89 kph). [3](#) Following a slight curve to the left, [4](#) [5](#) the road straightened out and case vehicle (A) exited the right edge of the road. [6](#) It continued traveling west off the road for approximately eleven meters until it [7](#) struck a 100-cm diameter tree with the front end. The driver had been drinking prior to the crash and his blood alcohol level was .18 percent. The vehicle was towed from the scene due to damage. The police accident report indicates K-level injuries for the driver of case vehicle (A), who died at the scene from a ruptured left ventricle.

### GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[8](#) Damage to the front of case vehicle (A) from impact with the tree was severe, with a significant amount of rearward crush to the left and center sections of the front end. [9](#) Direct damage began at the left-front bumper corner and extended 100-cm to the right, resulting in a 62-percent vehicle overlap (% VOL). [10](#) The maximum rearward crush was 87 cm and it occurred 31-cm to the right of the left-front bumper corner.

Using the WinSMASH crash-reconstruction program and crush profiles measured for [11](#) [12](#) [13](#) [14](#) [15](#) case vehicle (A), the following impact severity was estimated for the frontal impact with the tree:

		Estimated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case vehicle (A)	delta V	77 (48)	-77 (-48)	0 (0)

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

#### Exterior

[16](#) In the front, the left and center sections of the bumper and the grille were crushed rearward into the engine compartment [17](#) and the right section of the bumper cover was pulled out. [18](#) Both headlight

assemblies were damaged and the headlamps were shattered. [19](#) The hood was crushed rearward and pushed up, and the right side of the hood was displaced to the left. The damaged hood latch had released, [20](#) the right-hood hinge was bent up, [21](#) and the left-hood hinge was bent up and to the rear, allowing the rear edge of the hood to elevate and contact and crack the left and center sections of the windshield. [22](#) There was a hole in the plastic interlayer on the right side of the windshield, and cracks radiated across the entire windshield. [23 24](#) A fire started in the engine compartment, which burned and melted some of the engine components and [25](#) the center section of the windshield.

[26](#) On the left side, the fender was badly crumpled and separated from its attachments, and [27](#) it was pushed rearward into the left-front wheel, which was turned sideways and pushed into the lower section of the A-pillar, resulting in a 65-cm reduction in the left wheelbase. [28](#) The upper section of the left A-pillar was displaced rearward into a vertical orientation, [29](#) which caused remote buckling of the roof above the driver door. The sunroof frame was slightly deformed but the sunroof glass was not broken. [30](#) The lower section of the A-pillar was pushed rearward into the front edge of the driver door and the door was buckled. [31](#) The upper and lower sections of the B-pillar were deformed and had been cut to extricate the driver. [32](#) Both left-side doors were jammed closed and the windows were shattered, but the driver door had been opened [33](#) and the left-rear door had been removed to extricate the driver. [34](#) There was no damage to the side panel behind the left-rear door and the door glass was intact. There was no damage to the left D-pillar [35](#) or to the left-rear wheel.

[36 37](#) On the right side, the fender was deformed and pulled to the left [38 39 40 41](#) but there was no other damage. [42](#) There was also no damage to the rear of case vehicle (A).

## Interior

[43](#) This vehicle was equipped with steering-wheel and [44](#) dash-mounted frontal-impact airbags, and both deployed during the frontal impact. [45](#) In the driver area, the roof and roof moldings were buckled, [46](#) the headliner fabric was crumpled, [47](#) the left A-pillar was displaced rearward, and the grab handle on the left A-pillar was bent. The fabric cover of the sunroof was slightly displaced but there was no damage to the driver sunvisor. [48](#) There was no damage to the steering-wheel airbag [49](#) but there were bloodstains on the right side of the fabric. [50 51 52](#) The bottom half of the steering-wheel rim and the spokes were severely bent and deflected forward, [53 54 55](#) the steering assembly/column was displaced rearward, the steering column was rotated up and to the left, and [56 57](#) there were scuffmarks on the underside of the steering column. [58 59](#) The instrument panel was displaced rearward and the upper and mid sections were damaged. The vent outlets and ducts were also damaged. [60](#) The knee bolster was damaged, [61](#) the left section was separated from its attachments, and there were dents and scuffmarks on the left and [62](#) right sides of the bolster cover. [63 64](#) The toe pan and floor were displaced rearward, [65](#) the brake pedal was bent to the left and displaced rearward, [66](#) and the accelerator pedal was displaced to the right. Also, the kickpanel and parking brake pedal were displaced to the right. [67 68](#) The driver door, the door hardware, and the door armrest were damaged, and the interior door panel was separated from its attachments. [69](#) There was no damage to the driver seat but the manual seat adjuster was jammed.

[70](#) In the center-front area, there was no damage to the roof or to the windshield header, but [71](#) the rearview mirror was separated from its attachment to the windshield and it was not in the vehicle. [72](#) The vertical console cover was separated from its upper attachments and displaced rearward, and the floor was displaced rearward. [73](#) The center armrest between the seats was twisted due to console damage.

[74](#) In the right-front seating area, [77](#) the instrument panel and glove compartment were deformed, the

glove-compartment door would not close, and [78](#) the toepan/floor was displaced rearward. There was no damage to the roof, to the windshield header, or to the right A-pillar, and [75](#) there was no damage to the deployed dash-mounted airbag or [76](#) to the airbag module cover.

The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
driver	toepan/floor	44	to rear
	A-pillar	32	to rear
	instrument panel	30	to rear
	kickpanel	17	to right
	steering column	15	to rear
center front	instrument panel	15	to rear
	floor	21	to rear
right front	toepan/floor	21	to rear

## OCCUPANT KINEMATICS AND INJURIES

[59](#) The 191-cm, 84-kg (6-ft 3-in, 185-lb) 21-year-old male driver was not using the available three-point belt and the steering-wheel airbag deployed during the frontal impact with the tree. [79](#) [80](#) There was no evidence of belt use on the webbing or the D-ring, and the belt was jammed in the B-pillar retractor when the rescue crew cut the pillar.

[58](#) During the frontal impact, the driver moved forward relative to the vehicle interior, into and through the airbag, and into the steering wheel and knee bolster. He sustained mild brain swelling, probably from contact with an unknown part of the vehicle interior, although no external head or face injuries were noted. He sustained a laceration (rupture) to the left ventricle adjacent to the septum resulting in 400 ml of blood in the pericardial sac and death at the scene, probably from contact with the steering wheel through the deployed airbag, [50](#) [51](#) [52](#) [53](#) [54](#) [55](#) as evidenced by severe deformation to the lower half of the steering-wheel rim and damage to the two lower spokes. He sustained abrasions to the middle of the chest, to the right shoulder, and over the left and right clavicles, [50](#) [51](#) [52](#) [53](#) [54](#) [55](#) probably from contact with the steering wheel through the airbag. He sustained lacerations above the right knee, probably from contact with the knee bolster or the steering column, [56](#) [57](#) [62](#) as evidenced by damage and scuffmarks to the right side of the bolster cover and scuffmarks on the underside of the steering column. He sustained lacerations to the anterior aspect of the right ankle, probably from contact with the pedals, and he sustained a dislocation of the right ankle, probably from contact with the toepan but possibly from contact with the pedals, [63](#) [64](#) [65](#) [66](#) as evidenced by displacement of, and damage to, the floor and pedals.

The following table and attached drawing [81](#) summarize the injuries for the driver.

Occupant: Driver	Age: 21 years	Gender: Male
	Stature: 191 cm (6 ft, 3	

Restraints: Steering-wheel airbag		in)		Mass: 84 kg (185 lb)	
Injury Description	A.I.S.	Injury Source			
—	—	Definite	Probable	Possible	
Mild brain swelling	3	—	Unknown interior component	—	
Laceration (rupture) of the left ventricle adjacent to the septum with 400 ml of blood in the pericardial sac	6	—	Steering wheel thru airbag	—	
Abrasions, middle of chest	1	—	Steering wheel thru airbag	—	
Abrasions, right shoulder	1	—	Steering wheel thru airbag	—	
Abrasions, over left clavicle	1	—	Steering wheel thru airbag	—	
Abrasions, over right clavicle	1	—	Steering wheel thru airbag	—	
Lacerations, above right knee	1	—	Knee bolster; steering column	—	
Lacerations, anterior aspect of right ankle	1	—	Pedals	—	
Dislocation, right ankle	2	—	Toepan	Pedals	
Maximum A.I.S. Level	6	—	—	—	
Injury Severity Score	75	Fatal - autopsy	—	—	
.18% blood alcohol level	—	—	—	—	

CASE NO.: 439

CASE VEHICLE: 2002 Ford

TYPE: Escape XLT, 4-door SUV

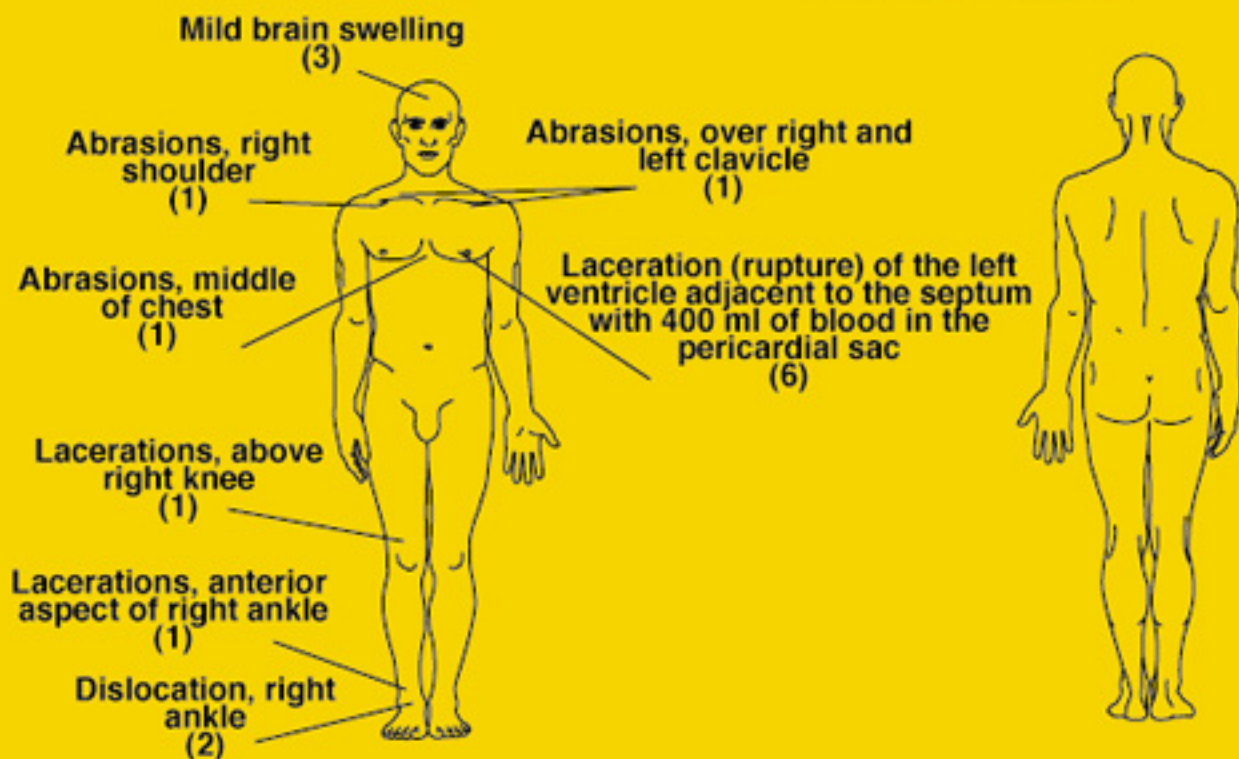
OCCUPANT: (Driver) 21-year-old male

STATURE: 191 cm (6 ft, 3 in) MASS: 84 kg (185 lb)

RESTRAINTS: Steering-wheel airbag

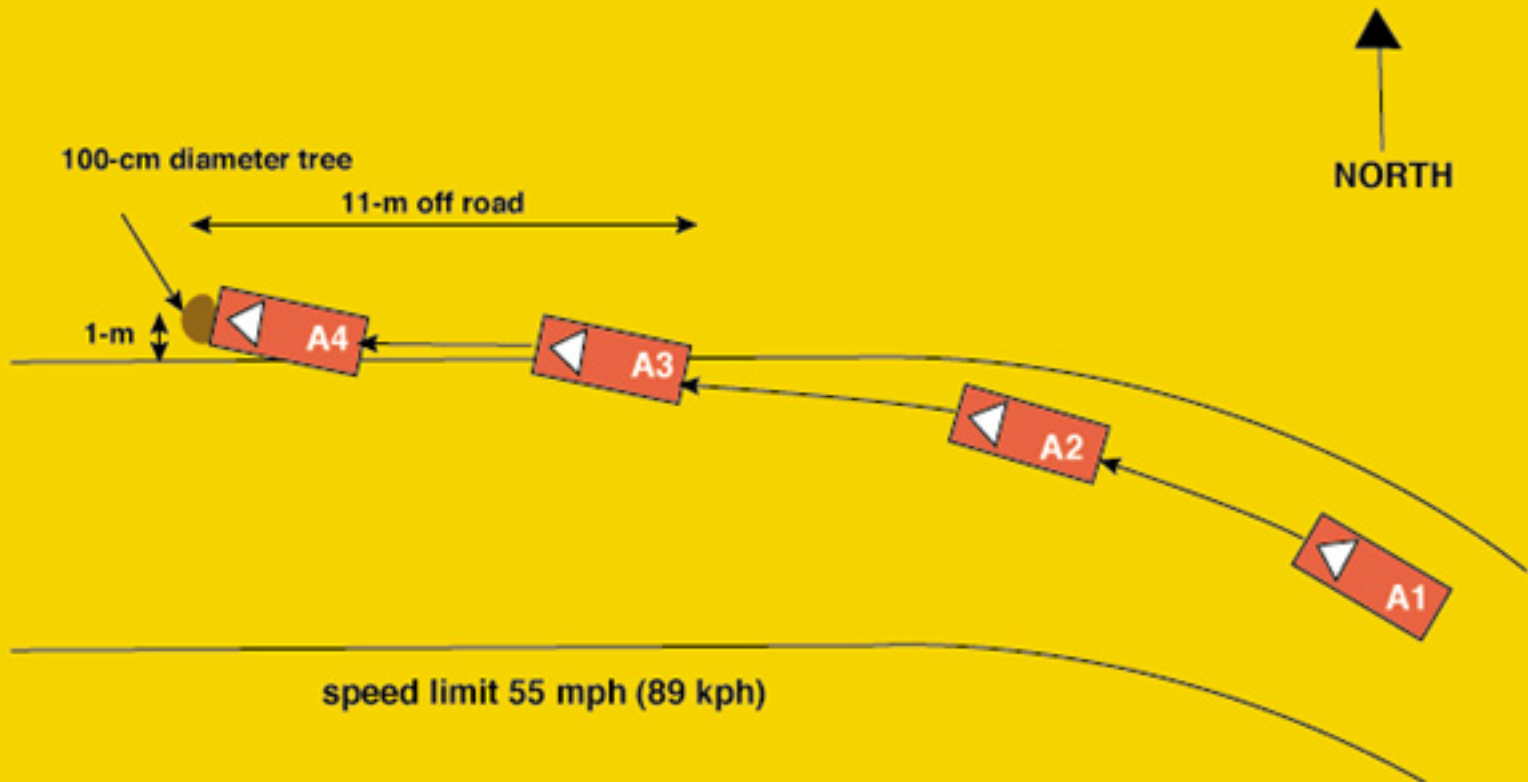
SEVERITY: MAIS - 6 ISS - 75 (fatal - autopsy)

.18% blood alcohol level



Case No.: 439  
Case Veh. (A): 2002 Ford  
Type: Escape XLT, 4-door SUV  
Driver: 21-year-old male

Weather: Cloudy  
Road Surface: Snowy  
Road Construction: Dirt/gravel  
Light Condition: Dark/unlighted



# UM-4250: 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	2139	Time of day (24 hour clock)	<a href="#">more</a>
V0205	State Fips Code	26	Michigan	<a href="#">more</a>
V0206	Urban/rural Area	2	Rural	<a href="#">more</a>
V0207	Limited Access Highway	0	No	<a href="#">more</a>
V0208	Road Total Lanes	2	2 lanes	<a href="#">more</a>
V0209	Intersect Road Total Lanes	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	3	Gravel	<a href="#">more</a>
V0212	Road Defects	0	No	<a href="#">more</a>
V0213	Construction Zone	0	No	<a href="#">more</a>
	Road Alignment Vertical			

V0214	Plane	1	Level	<a href="#">more</a>
V0215	Road Alignment Horizontal Plane	2	Curve	<a href="#">more</a>
V0216	Surface Covering	39	Snow - condition unknown	<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	6	86-90 km/h .. 55 mph	<a href="#">more</a>
V0220	Precipitation Type	0	None	<a href="#">more</a>
V0221	Precipitation Rate	8	Not applicable	<a href="#">more</a>
V0222	Temperature	9	Unknown	<a href="#">more</a>
V0223	Crosswind	9	Unknown	<a href="#">more</a>
V0224	Light Conditions	5	Dark, unlighted	<a href="#">more</a>
V0225	Mechanical Malfunction Mention	0	No	<a href="#">more</a>
V0226	Case Vehicle And Object	4	Yes, fixed object off-road	<a href="#">more</a>
V0227	Case Vehicle Rollover	0	No	<a href="#">more</a>
V0228	Rollover Location	0	No rollover	<a href="#">more</a>
V0229	Roll Direction	0	No rollover	<a href="#">more</a>
V0230	Rollover Initiation Type	0	No rollover	<a href="#">more</a>
V0231	Rollover Number Of Turns	0	No rollover	<a href="#">more</a>
V0232	Case Vehicle Preimpact Braking	9	Unknown	<a href="#">more</a>
V0233	Case Vehicle Preimpact Stability	9	Case vehicle pre-impact stability unknown	<a href="#">more</a>
V0234	Case Vehicle Ran Off Roadway	1	Yes	<a href="#">more</a>
V0235	Moving Case Vehicle Contacted Moving Vehicle	0	No	<a href="#">more</a>
V0236	Case Vehicle Contacted Stopped Vehicle	0	No	<a href="#">more</a>
V0237	Stopped Case Vehicle Contacted Vehicle	0	No	<a href="#">more</a>
V0238	Total Vehicles Hit By Case Vehicle	0	0 vehicles	<a href="#">more</a>
V0239	Any Fire In Crash?	1	Yes	<a href="#">more</a>
V0240	Maximum Police Severity-acc	4	K - Fatal	<a href="#">more</a>
V0241	Driver Alcohol Involvmnt	1	Had been drinking	<a href="#">more</a>
V0242	Driver Alcohol BAC (Case Vehicle)	0.18	Actual BAC	<a href="#">more</a>
V0243	Driver Impairment Mention	1	Yes	<a href="#">more</a>



V0244	Driver Distraction	99	Unknown	<a href="#">more</a>
V0245	Driver Drug Involvement	0	None	<a href="#">more</a>
V0246	Driver Drug Type	0	No drug use	<a href="#">more</a>
V0247	Driven/towed From Scene	2	Towed Due to Damage	<a href="#">more</a>

## Other Vehicle

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0301	Other Vehicle VIN	0 xxxxxxx	<a href="#">Click for Contacted Vehicle figure</a>	<a href="#">more</a>
V0302	Other Vehicle Manufacturer/Body Code	99898	—	—
V0303	Other Vehicle Manufacturer	998	Unknown Other Vehicle	<a href="#">more</a>
V0304	Other Vehicle Body Code	98	No Other Vehicle	<a href="#">more</a>
V0305	Other Vehicle Make/model	0000	No other vehicle	<a href="#">more</a>
V0306	Other Vehicle Model Year	00	Year	<a href="#">more</a>
V0307	Other Vehicle Mass	000000 kg	No Other Vehicle	<a href="#">more</a>
V0308	Other Vehicle Number	8	No other vehicle	<a href="#">more</a>
V0309	Other Vehicle Number of Occupants	98	No Other Vehicle	<a href="#">more</a>
V0310	Other Vehicle Traveling Speed	990	No Other Vehicle	<a href="#">more</a>
V0311	Highest Police Injury Severity	8	No Other Vehicle	<a href="#">more</a>
V0312	Other Vehicle Type	98	No Other Vehicle	<a href="#">more</a>
V0313	Other Vehicle Wheelbase in Centimeters	998	No Other Vehicle	<a href="#">more</a>
V0314	Other Vehicle Average Track Width	998	No Other Vehicle	<a href="#">more</a>
V0315	Other Vehicle Overall Length	998	No Other Vehicle	<a href="#">more</a>
V0316	Other Vehicle Overall Width (OAW)	998	No Other Vehicle	<a href="#">more</a>
V0317	Other Vehicle Front Overhang	998	No Other Vehicle	<a href="#">more</a>
V0318	Other Vehicle Rear Overhang	998	No Other Vehicle	<a href="#">more</a>
V0319	Other Vehicle Undeformed End Width (UEW)	998	No Other Vehicle	<a href="#">more</a>

V0320	Other Vehicle Engine Displacement	0.0 l	No Other Vehicle	<a href="#">more</a>
V0321	Other Vehicle Engine: Number of Cylinders	98	No Other Vehicle	<a href="#">more</a>
V0322	Other Vehicle Direct Damage Length (DDL)	998	No Other Vehicle	<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	1FMYU04172XXXXXX	<a href="#">Click for Case Vehicle figure</a>	<a href="#">more</a>
V0402	Manufacturer/Body Code	12114	—	—
V0403	Vehicle Manufacturer	121	Ford	<a href="#">more</a>
V0404	Vehicle Body Code	14	Short wheelbase utility vehicle (Jeep, Bronco)	<a href="#">more</a>
V0405	Make/model Code	3135	Escape (SUV)	<a href="#">more</a>
V0406	Model Year	2002	Model year	<a href="#">more</a>
V0407	Vehicle Mass	001526 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	21	Small utility (e.g. Jeep, Scout, Bronco)	<a href="#">more</a>
V0412	Stolen Vehicle	8	Not currently collected	<a href="#">more</a>
V0413	Body Structure	2	Unitized	<a href="#">more</a>
V0414	Transmission Type	1	Automatic	<a href="#">more</a>
V0415	Transmission Lever Location	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	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	3	Four 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	4	Sun roof closed	<a href="#">more</a>
V0427	Case Vehicle Wheelbase in Centimeters	262 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	439 cm	actual measurement (cm)	<a href="#">more</a>
V0431	Case Vehicle Overall Width (OAW)	178	actual measurement (cm)	<a href="#">more</a>
V0432	Case Vehicle Front Overhang	085 cm	actual measurement (cm)	<a href="#">more</a>
V0433	Case Vehicle Rear Overhang	092 cm	actual measurement (cm)	<a href="#">more</a>
V0434	Case Vehicle Undeformed End Width (UEW)	156 cm	actual measurement (cm)	<a href="#">more</a>
V0435	Case Vehicle Engine Displacement	3.0 l	Liters	<a href="#">more</a>
V0436	Case Vehicle Engine: Number of Cylinders	06	number of cylinders	<a href="#">more</a>
V0437	Case Vehicle Direct Damage Length (DDL)	100 cm	actual measurement (cm)	<a href="#">more</a>
V0438	Case Vehicle Front-end Overlap	64	percentage (%)	<a href="#">more</a>
V0439	Case Vehicle - Vehicle Overlap	62	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	087 cm	Depth of Crush (cm)	<a href="#">more</a>

	Crush - Front			
V0502	Maximum Sheet Metal Crush - Rear	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0503	Maximum Sheet Metal Crush - Roof	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0504	Maximum Sheet Metal Crush - Right Side	000 cm	No Crush (or less than 1 cm.)	<a href="#">more</a>
V0505	Maximum Sheet Metal Crush - Left Side	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	3	On Roadside	<a href="#">more</a>
V0509	Event 1 -Impact Configuration	17	FRONT of case veh - object	<a href="#">more</a>
V0510	Event 1 -Object/Vehicle Contactd	77	Sign post, utility pole, tree	<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)	087	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	25	Y - Side or end (F + P or L + 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	4	—	—
V0539	Primary CDC - Contacted Vehicles Assoc CDC - CDC #1	12FYEW4	—	—
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)	998	Not Applicable	<a href="#">more</a>
V0548	Primary CDC Contacted Vehicle-estimator	1	Investigator	<a href="#">more</a>
V0549	Primary CDC Contacted Vehicle - Crush (CM)	998	Not Applicable	<a href="#">more</a>
V0550	Primary CDC Contacted Vehicle-clock #1	98	Not Applicable	<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	9800000	—	—
V0557	Primary CDC Contacted Vehicle-clock #2	98	Not Applicable	<a href="#">more</a>
V0558	Primary CDC Contacted Vehicle-Letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0559	Primary CDC Contacted Vehicle-Letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0560	Primary CDC Contacted Vehicle-Letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0561	Primary CDC Contacted Vehicle-Letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V0562	Primary CDC Contacted Vehicle - Extent #2	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>
	Secondary CDC Case			

V0567	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	98000000	—	—
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	98000000	—	—
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	077 kph	kph	<a href="#">more</a>
V0603	Primary delta-V Case Vehicle -LONGITUD	-077	—	—
V0604	Primary delta-V Case Vehicle-Lateral	0000	—	—
V0605	Primary Delta V Case Vehicle - Energy Dissipated by Crush (k	0412	—	—
V0606	Primary Delta-V Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>



V0607	Primary Delta-V Case Vehicle- Mode	2	CDC & detailed damage	<a href="#">more</a>
V0608	Primary Delta V Contacted Vehicle - Total Delta V	888	Not Applicable	<a href="#">more</a>
V0609	Primary delta-V Contacted Vehicle-LONGITUD	8888	—	—
V0610	Primary delta-V Contacted Vehicle-Lateral	8888	—	—
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	077 kph	kph	<a href="#">more</a>
V0625	Primary EBS Case Vehicle - LONGITUD	-077	—	—

V0626	Primary EBS Case Vehicle-Lateral	0000	—	—
V0627	Primary EBS Case Vehicle - Energy Dissipated by Crush (kj)	0412	—	—
V0628	Primary EBS Case Vehicle-Reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V0629	Primary EBS Case Vehicle-Mode	2	CDC & detailed damage	<a href="#">more</a>
V0630	Primary EBS Contacted Vehicle - Total EBS	888	Not Applicable	<a href="#">more</a>
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)	1	Bumper	<a href="#">more</a>
V0647	Direct Damage Length (DDL) - Case Vehicle (1)	100 cm	cm	<a href="#">more</a>
V0648	Direct Damage Maximum Crush - Case Vehicle (1)	087 cm	cm	<a href="#">more</a>
V0649	Direct and Induced Damage Length in CM	156 cm	cm	<a href="#">more</a>
V0650	Field C1 - Case Vehicle (1)	078 cm	cm	<a href="#">more</a>
V0651	Field C2 - Case Vehicle (1)	087 cm	cm	<a href="#">more</a>
V0652	Field C3 - Case Vehicle (1)	083 cm	cm	<a href="#">more</a>
V0653	Field C4 - Case Vehicle (1)	077 cm	cm	<a href="#">more</a>
V0654	Field C5 - Case Vehicle (1)	062 cm	cm	<a href="#">more</a>
V0655	Field C6 - Case Vehicle (1)	003 cm	cm	<a href="#">more</a>
V0656	Direct Damage D Value = The Center of Direct Damage Offset t	-028 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)	100 cm	cm	<a href="#">more</a>
V0660	Direct Damage MaximumCrush - Case Vehicle (2)	087 cm	cm	<a href="#">more</a>
V0661	Direct and Induced Damage Length in CM	156 cm	cm	<a href="#">more</a>
V0662	Field C1 - Case Vehicle (2)	078 cm	cm	<a href="#">more</a>
V0663	Field C2 - Case Vehicle (2)	087 cm	cm	<a href="#">more</a>
V0664	Field C3 - Case Vehicle (2)	083 cm	cm	<a href="#">more</a>
V0665	Field C4 - Case Vehicle (2)	077 cm	cm	<a href="#">more</a>
V0666	Field C5 - Case Vehicle (2)	062 cm	cm	<a href="#">more</a>
V0667	Field C6 - Case Vehicle (2)	003 cm	cm	<a href="#">more</a>
V0668	Direct Damage D Value = The Center of Direct Damage Offset t	-028 cm	cm	<a href="#">more</a>
V0669	Specific Event # Cont(1)	9	Unknown	<a href="#">more</a>
V0670	Plane of Impact Contacted Vehicle(1)	9	Unknown	<a href="#">more</a>
	Direct Damage Length			

V0671	(DDL) - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0672	Direct Damage Maximum Crush - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0673	Field L - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0674	Field C1 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0675	Field C2 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0676	Field C3 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0677	Field C4 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0678	Field C5 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0679	Field C6 - Contacted Vehicle (1)	999	Unknown	<a href="#">more</a>
V0680	Direct Damage D Value = The Center of Direct Damage Offset t	9999	offset (cm)	<a href="#">more</a>
V0681	Specific Event # Contacted Vehicle (2)	9	Unknown	<a href="#">more</a>
V0682	Plane of Impact Contacted Vehicle(2)	9	Unknown	<a href="#">more</a>
V0683	Direct Damage Length (DDL) - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0684	Direct Damage Maximum Crush - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0685	Direct and Induced Damage Length in CM	999	Unknown	<a href="#">more</a>
V0686	Field C1 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0687	Field C2 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0688	Field C3 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0689	Field C4 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0690	Field C5 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>

V0691	Field C6 - Contacted Vehicle (2)	999	Unknown	<a href="#">more</a>
V0692	Direct Damage D Value = The Center of Direct Damage Offset t	9999	Offset (cm)	<a href="#">more</a>

## Case Vehicle Tires & Rims

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Variable Number	Variable Name	Code Value	Code Description	Other Options
V0701	Left Front Wheel Damaged	1	Yes	<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	3	Sidewall cut, tear, or other sidewall damage	<a href="#">more</a>
V0718	Right Front Tire Condition Postcrash	8	Other	<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	P23570R16	—	—
V0726	Right Front Tire Size	P23570R16	—	—
V0727	Right Rear Tire Size	P23570R16	—	—
V0728	Left Rear Tire Size	P23570R16	—	—
V0729	Left Front Tire Pressure (recorded in psi)	01.0 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)	27.5 psi	Actual tire pressure in psi	<a href="#">more</a>
V0732	Left Rear Tire Pressure (recorded in psi)	26.5 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	07	07/32"	<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	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	1	Yes	<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	1	Yes	<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	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	1	Yes	<a href="#">more</a>
V1111	Edge Penetrated Windshield	1	Yes	<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	888	Not currently collected	<a href="#">more</a>

	Difference			
V1119	Left Side Body Mount Separated	8	Not applicable (unitized)	<a href="#">more</a>
V1120	Upper Left A-pillar Sep	4	No separation, but damaged	<a href="#">more</a>
V1121	Lower Left A-pillar Sep	4	No separation, but damaged	<a href="#">more</a>
V1122	Upper Left B-pillar Sep	4	No separation, but damaged	<a href="#">more</a>
V1123	Lower Left B-pillar Sep	4	No separation, but damaged	<a href="#">more</a>
V1124	Upper Left C-pillar Sep	0	No	<a href="#">more</a>
V1125	Lower Left C-pillar Sep	0	No	<a href="#">more</a>
V1126	Upper Left D-pillar Sep	0	No	<a href="#">more</a>
V1127	Lower Left D-pillar Sep	0	No	<a href="#">more</a>
V1128	Left Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1129	Left Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1130	Left Front Door Jammed Closed	1	Yes	<a href="#">more</a>
V1131	Left Rear Door Jammed Closed	1	Yes	<a href="#">more</a>
V1132	Van Left Rear Door Type	8	Not applicable (not a van)	<a href="#">more</a>
V1133	Left Front Glazing Availability	2	Closed	<a href="#">more</a>
V1134	Left Rear Glazing Availability	2	Closed	<a href="#">more</a>
V1135	Lr2 Glazing Availability	1	Fixed	<a href="#">more</a>
V1136	Left Front Glazing Damage	1	Shattered	<a href="#">more</a>
V1137	Left Rear Glazing Damage	1	Shattered	<a href="#">more</a>
V1138	Lr2 Glazing Damage	0	No damage	<a href="#">more</a>
V1139	Rear Door Type	2	One-way tailgate	<a href="#">more</a>
V1140	Rear Door Opening Cause	0	Door did not open	<a href="#">more</a>
V1141	Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1142	Rear Glazng Availability	1	Fixed	<a href="#">more</a>
V1143	Rear Glazing Damage	0	No damage	<a href="#">more</a>
V1144	Luggage Partition Damaged	8	Not applicable	<a href="#">more</a>
V1145	Spare Tire Status	8	Not collected	<a href="#">more</a>
V1146	Trailer Hitch Type	3	Bumper and frame (but non-equalizing)	<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>
	Upper Right A-pillar			



V1149	Separated	0	No	<a href="#">more</a>
V1150	Lower Right A-pillar Separated	0	No	<a href="#">more</a>
V1151	Upper Right B-pillar Separated	0	No	<a href="#">more</a>
V1152	Lower Right B-pillar Separated	0	No	<a href="#">more</a>
V1153	Upper Right C-pillar Separated	0	No	<a href="#">more</a>
V1154	Lower Right C-pillar Separated	0	No	<a href="#">more</a>
V1155	Upper Right D-pillar Separated	0	No	<a href="#">more</a>
V1156	Lower Right D-pillar Separated	0	No	<a href="#">more</a>
V1157	Right Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1158	Right Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1159	Right Front Door Jammed 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	1	Fixed	<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	0	No damage	<a href="#">more</a>
V1168	Windshield Cracked	1	Yes	<a href="#">more</a>
V1169	Windshield Broken	1	Yes <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	99	<a href="#">Click for Windshield Mark figure</a>	<a href="#">more</a>
V1173	Did Sun Roof/T-Roof Open	1	Yes	<a href="#">more</a>

Variable Number	Variable Name	Code Value	Code Description	Other Options
V1201	Steering Wheel Rim Damage	2	Severely bent	<a href="#">more</a>
V1202	Number of Steering Wheel Spokes	4	4 spokes	<a href="#">more</a>
V1203	Steering Wheel Spoke Damage	2	Severely bent	<a href="#">more</a>
V1204	Steering Wheel Hub Damage	1	Occupant contact	<a href="#">more</a>
V1205	Steering Wheel Location of Rim Damage	2	Bottom half	<a href="#">more</a>
V1206	Aftermarket Add-on Device	0	None	<a href="#">more</a>
V1207	Column Tilt Feature	1	Yes, equipped	<a href="#">more</a>
V1208	Column Swing-away Feature	0	Not equipped	<a href="#">more</a>
V1209	Column Telescoping Feature	0	Not equipped	<a href="#">more</a>
V1210	Wheel Energy Absorb Device	8	Not currently collected	<a href="#">more</a>
V1211	Wheel EA Device's original/damage Dimension 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	1	Upward apparent rotation	<a href="#">more</a>
V1216	Column Lateral Rotation	1	Left apparent rotation	<a href="#">more</a>

### Case Vehicle Intrusion

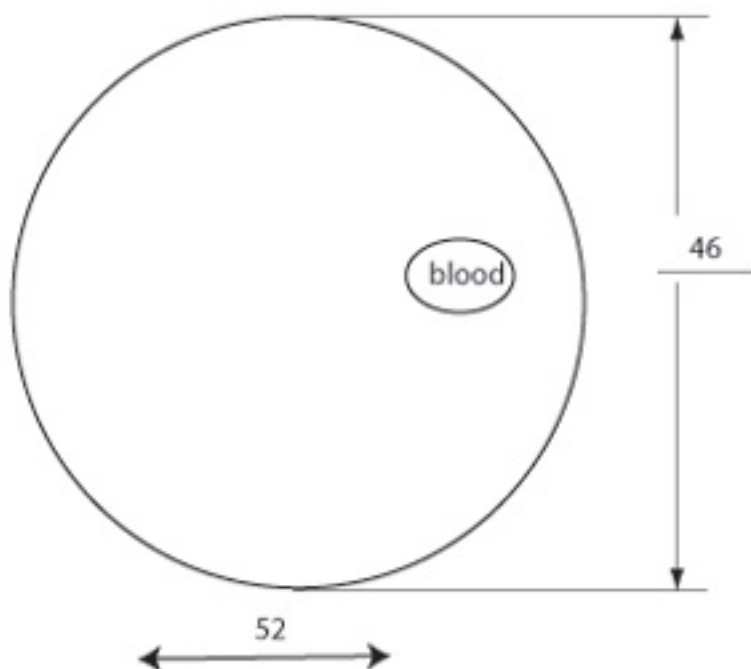
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Variable Number	Variable Name	Code Value	Code Description	Other Options
V1301	Was Occupant Compartment Intruded	1	Yes <a href="#">Click for Intrusion Worksheet figure</a> <a href="#">Click for Intrusion figure</a>	<a href="#">more</a>
V1302	Was Intrusn Catastrophic	0	No	<a href="#">more</a>
V1303	Intrusion Number #1	01	Intrusion #1	<a href="#">more</a>
V1304	Occupant Space Number(1)	11	First row, Left 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	44 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)	01	Occupant number 1, contact	<a href="#">more</a>

Airbag Number: 520 3141 00D REV D03 U204 DAB  
FCEMYGL2BRF

### Driver Airbag

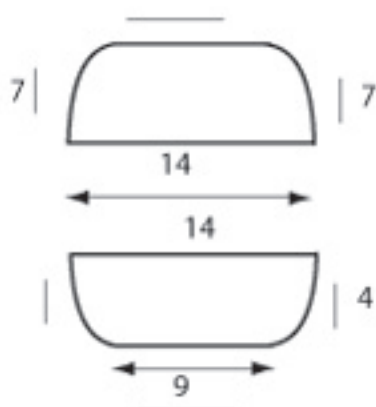


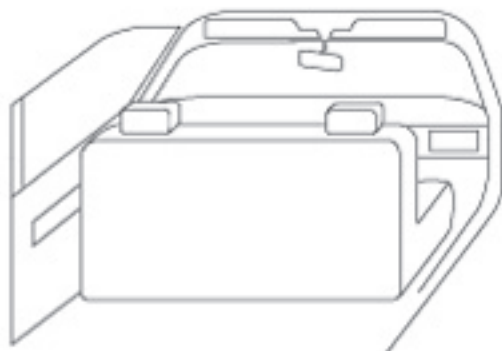
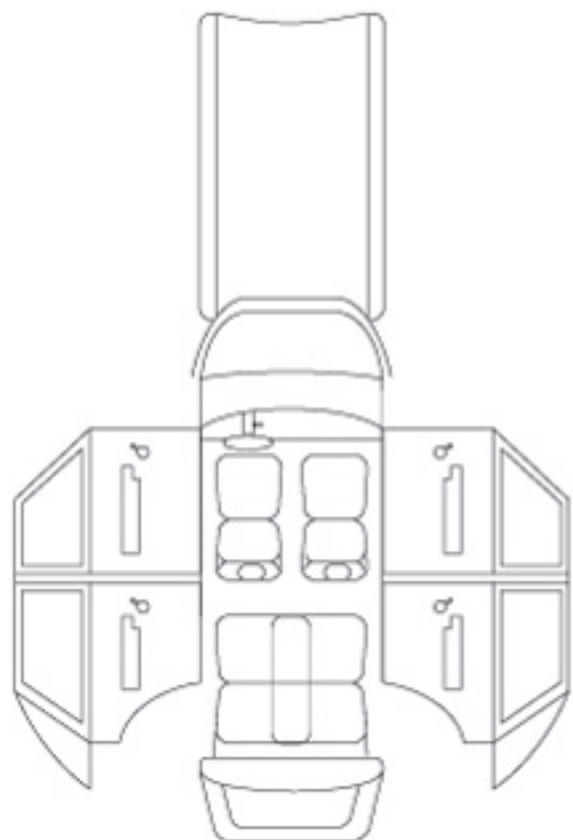
Vents:  Y  N  
if yes, how many: 2

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

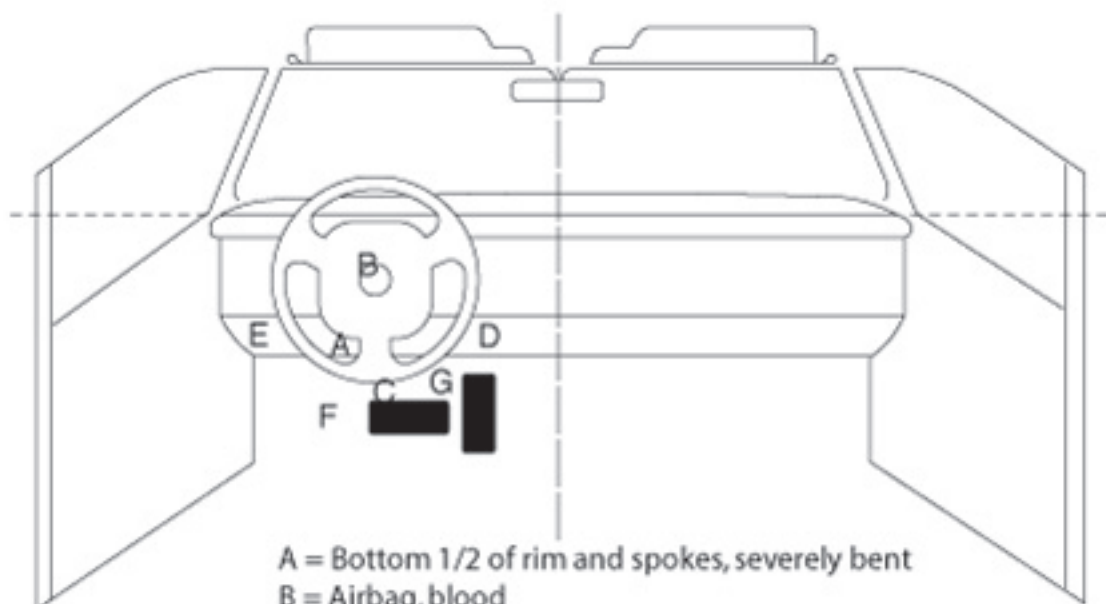
vents at 11 and 1 o'clock

### Driver Airbag Doors





no evidence of belt use



- A = Bottom 1/2 of rim and spokes, severely bent
- B = Airbag, blood
- C = Steering column, scuff
- D = Right knee bolster, scuff
- E = Left knee bolster, scuff
- F = Toepan/floor, intrusion
- G = Foot controls, brake pedal is bent, accelerator is broke off

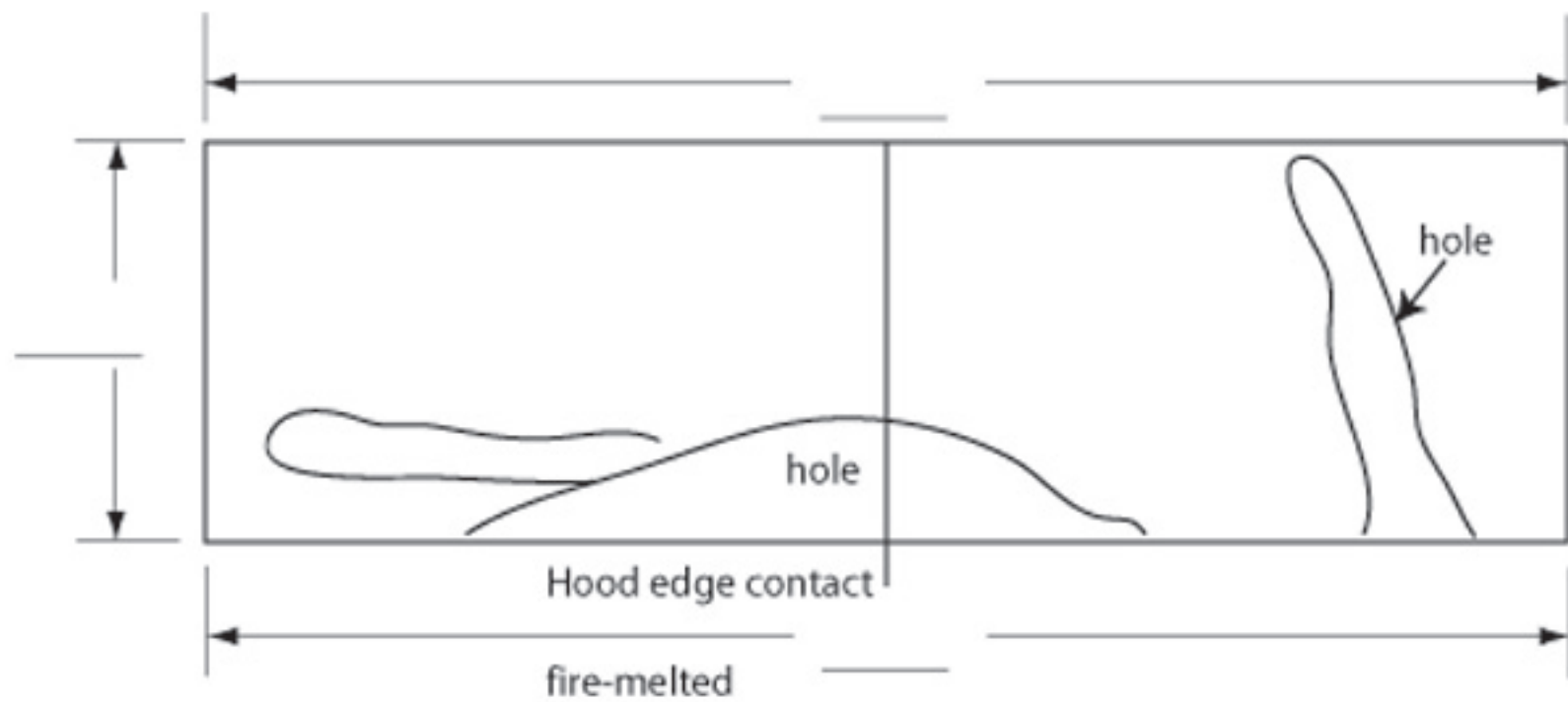
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)					Dominant Crush Direction
		Comparison Value	–	Intruded Value	=	Intrusion	
11	Toe pan/floor	142	–	98	=	44	To rear
11	A-pillar	178	–	146	=	32	To rear
11	Instrument panel	158	–	128	=	30	To rear
11	Kickpanel	55	–	38	=	17	To right
11	Steering wheel	150	–	135	=	15	To rear
12	Floor	142	–	121	=	21	To rear
12	Instrument panel	158	–	143	=	15	To rear
13	Toe pan/floor	142	–	121	=	21	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	Steering wheel rim/spokes	1	Chest	Bottom half of rim is severely bent spokes are bent	1
B	Airbag	1	Chest	Blood	1
C	Steering column	1	Knee	Scuff	1
D	Right knee bolster	1	Knee	Scuff	1
E	Left knee bolster	1	Knee	Scuff	1
F	Toe pan/floor	1	Feet	Intrusion	1
G	Foot controls	1	Feet	Brake pedal is bent, accelerator pedal is broke off	2
H					

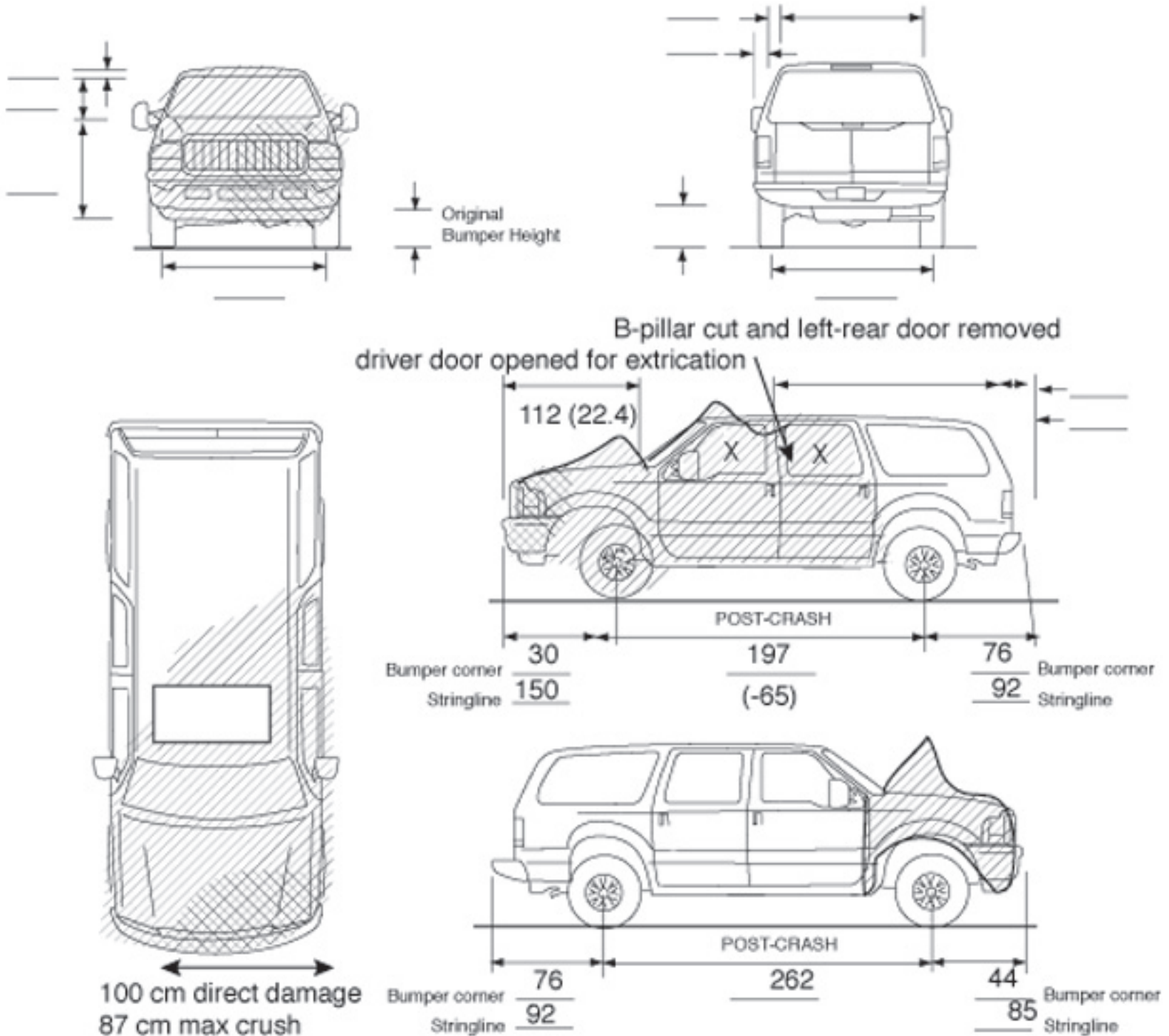


WINDSHIELD MARK ON CASE VEHICLE:

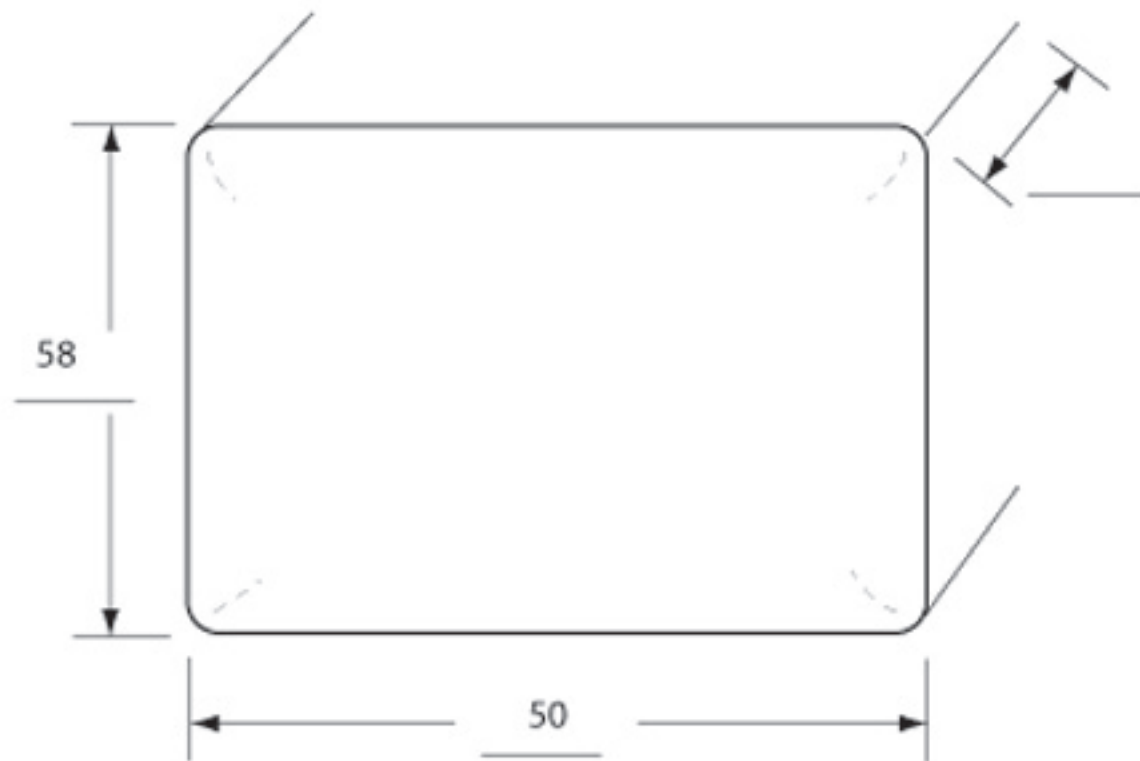
**unknown**



MEASUREMENTS IN CENTIMETERS



### Passenger Airbag

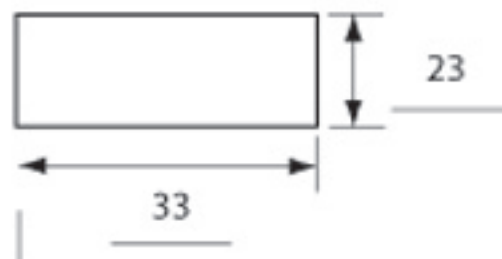


Vents:  Y  N  
if yes, how many: 2  
vents at 9 and 3 o'clock

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

### Passenger Airbag Doors

Single Door







1983

















1983

















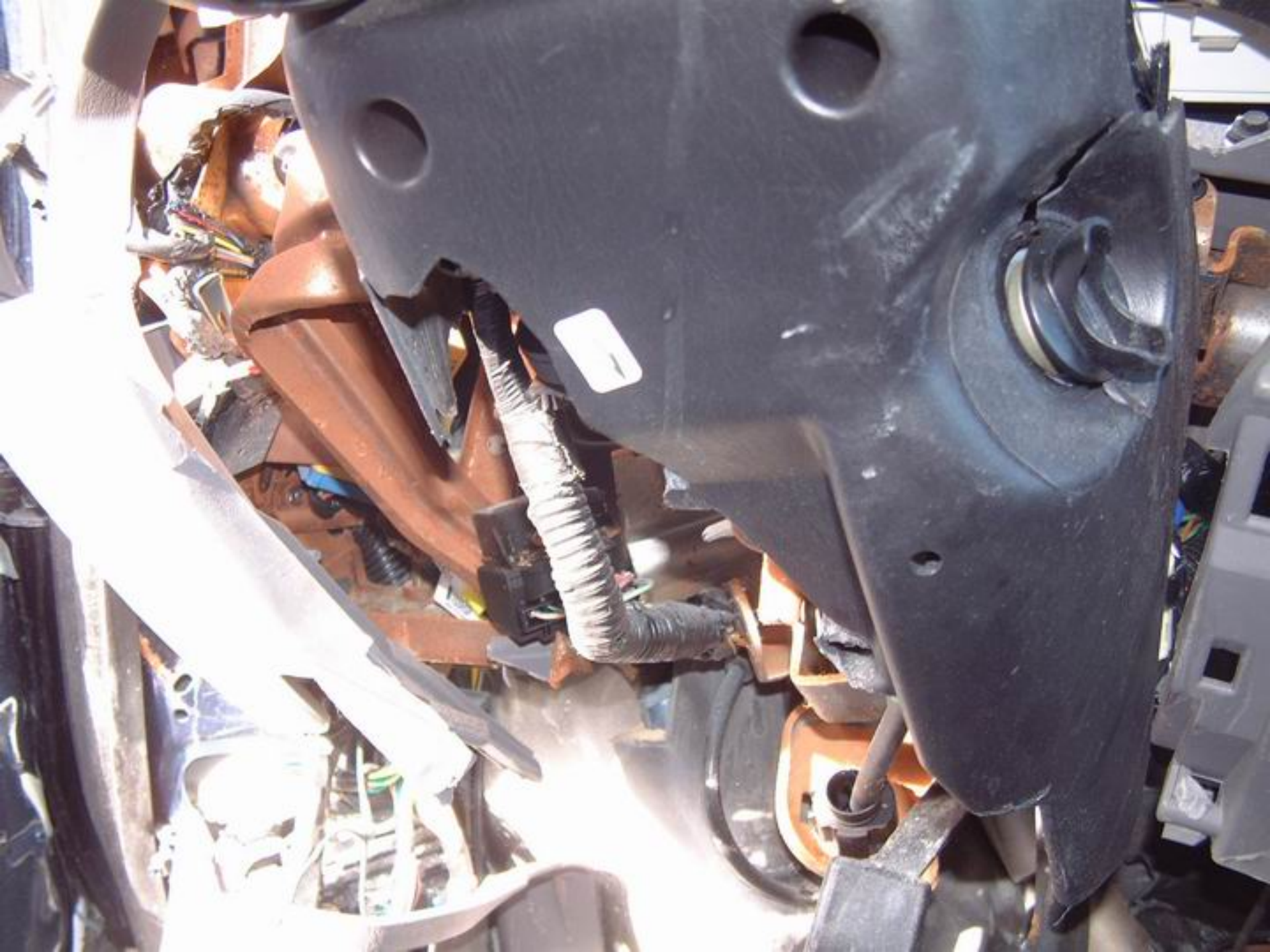




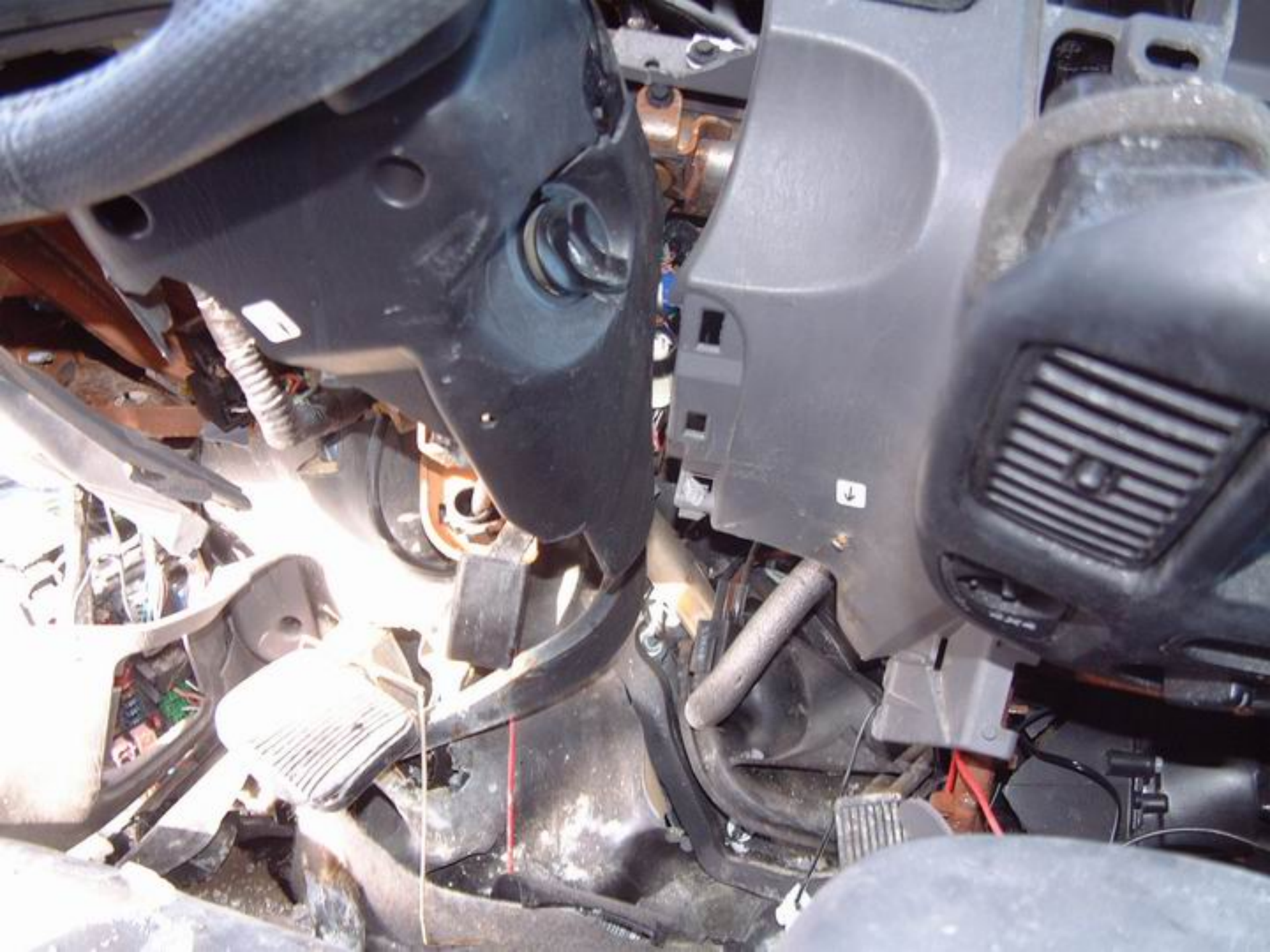




















AIRBAG

RDM

SET ACC

CRS























190 PCS

My Love This Car

SF 426363

AB2  
4V

426363

X4

I



ESCAPE

XLT

PALMER  
DEALER





426363  
426363

426363

43571





CONTINENTAL

CONTITRAC SUV





EVEREST SUV

CONTINENTAL











CONTINENTAL SUV

CONTINENTAL

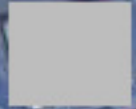


SF 42838

112  
41

+

ESCAPE  
2.0L





















26363







26363

4B  
01





426363























