

Case 399 : Narrative

Case Vehicle (A): 1998 Ford	Vehicle (B): 1997 Dodge
Type: Explorer XL Sport, 2-door SUV	Type: Intrepid, 4-door sedan
Driver: 44-year-old female	Driver: 20-year-old male
CDC: 12-FREE-2	CDC: 99-0000-0

SITUATION

[1](#) [2](#) [3](#) [4](#) It was daylight, the sky was clear, and the road surface was dry and free of defects as case vehicle (A) was traveling south at an unknown speed in the southbound lane of a two-lane asphalt north-south roadway with a posted speed limit of 50 mph (80 kph). [5](#) [6](#) [7](#) [8](#) Vehicle (B) was traveling north at an unknown speed in the northbound lane of the north-south roadway, when it crossed the centerline for an unknown reason and entered the southbound lane. The driver of case vehicle (A) was unable to take evasive action and the right front of vehicle (B) struck the right front of case vehicle (A). [9](#) Vehicle (B) rotated approximately 80-degrees clockwise and came to rest off the roadway adjacent to the northbound lane, facing east. Case vehicle (A) came to rest in the roadway in the northbound lane, facing south. Both vehicles were towed from the scene due to damage.

The police accident report indicates B-level injuries for the driver of case vehicle (A) and no injuries for the driver of vehicle (B). The driver of case vehicle (A) was transported to a hospital by a private vehicle. She was treated and released.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[10](#) Direct damage to case vehicle (A) was primarily to the right front. [11](#) The direct damage began at the right-front bumper corner and extended 41-cm to the left, resulting in 31% vehicle overlap. [12](#) The maximum rearward crush was 39 cm and occurred at the right-front bumper corner.

Vehicle (B) could not be located for inspection.

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

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	26 (16)	-26 (-16)	5 (3)
Vehicle (B)	delta V	26 (16)	-25 (-16)	-4 (-3)

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

[15](#) Primary damage to case vehicle (A) was to the right front, which was crushed rearward. [16 17 18 19](#) The right-front corner of the hood was crushed down into the grille and headlight area and the right-side headlight was missing. The hood was bowed up on the right side but the rear portion of the hood was not elevated. [20](#) The right hood hinge was slightly bent but it was not separated, and there was no damage to the left hood hinge or hood latch. [21](#) The lower-right corner of the windshield was cracked. [22 23](#) The left-side headlight was intact but the turn signal was displaced to the left and the right and center sections of the bumper were pulled somewhat rearward.

[23](#) On the right side, the fender was buckled and crushed rearward into the front passenger door and the running board, and the fender was deflected 38-cm to the right. [24 25](#) The front wheel was damaged and off the axle, the axle, sway-bar control arm, and tierod were damaged, and the right wheelbase was reduced by 11 cm. [26 27](#) The upper and lower sections of the right A-pillar were damaged, the passenger door would not close, and there were scrape marks on the door. [28](#) There was no damage to the right B- or C-pillars, to the right quarter panel, or to the right-rear wheel, and all right-side glazing was intact. [29](#) There was no damage to the rear of the vehicle.

[30 31](#) There was no damage to the left side of the vehicle. Both left-side tires and wheels were intact and the left wheelbase was increased by 5 cm.

Interior

[32](#) This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags and both deployed in the frontal impact with vehicle (B). [33 34 35](#) In the

driver area, there was no damage to the steering-wheel airbag, to the airbag module cover, or [36 37](#) to the steering-wheel rim or spokes, and there was no rotation of the steering column. [38 39](#) There were scuffmarks and a scrape on the interior panel of the driver door, and [40](#) there were scuffmarks on the driver knee bolster. [37 41 42 43](#) There was no other damage in the driver area.

[44](#) In the center-front area, the center floor storage compartment was displaced but [45](#) there was no other damage.

[46 47](#) In the right-front seating area, the roof siderail trim was slightly displaced to the left, the upper A-pillar, the instrument panel, and the toepan were displaced to the rear, [48](#) there was an indentation in the lower-right side of the seatback, and [49](#) the seat adjuster was jammed. [47 50](#) There was no other damage in this area.

[51 52 53](#) In the rear seating area, the roof siderail in the right-rear passenger area was slightly displaced but there was no other damage.

[54](#) The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
right front	toepan	36	to rear
	instrument panel	10	to rear
	A-pillar	8	to rear
	door sill	4	to left
	center console	2	to left

OCCUPANT KINEMATICS AND INJURIES

[55](#) The 168-cm, 88-kg (5-ft 6-in, 196-lb) 44-year-old female driver was using the three-point belt and the steering-wheel airbag deployed during the frontal impact. [56](#) There was no evidence of belt use on the D-ring but [57](#) [58](#) faint webbing load marks on the continuous loop confirm belt use by the driver. On impact, the driver moved forward and slightly to the right relative to the vehicle interior, into the three-point belt and the steering-wheel airbag. She sustained contusions to the center of the chest and the left breast, probably from loading by the shoulder belt. She sustained abrasions to the forehead, nose, and chin, probably from contact by the deploying steering-wheel airbag. She sustained contusions to the insides of both arms and forearms, probably from contact by the deploying steering-wheel airbag, but possibly from contact with the steering-wheel rim. She sustained a laceration to the left thigh, possibly from contact with the steering wheel rim, and contusions to both thighs, probably [41](#) from contact with the steering-wheel rim. She sustained a contusion to the left knee [40](#) from contact with the knee bolster.

The following table and [59](#) attached drawing summarize the injuries sustained by the driver of case vehicle (A).

Occupant: Driver	Age: 44 years	Gender: Female		
Restraints: 3-point belt; steering-wheel airbag	Stature: 168 cm (5 ft, 6 in)	Mass: 88 kg (195 lb)		
Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
—	—	—	—	—
Abrasion, forehead	1	—	Airbag	—
Abrasion, nose	1	—	Airbag	—
Abrasion, chin	1	—	Airbag	—
Contusion, center of chest	1	—	Shoulder belt	—
Contusion, left breast	1	—	Shoulder belt	—
Contusion, right arm	1	—	Airbag	Steering-wheel rim
Contusion, left arm	1	—	Airbag	Steering-wheel rim
Contusion, right forearm	1	—	Airbag	Steering-wheel rim
Contusion, left forearm	1	—	Airbag	Steering-wheel rim
				Steering-

Laceration, left thigh	1	—	—	wheel rim
Contusion, right thigh	1	—	Steering-wheel rim	—
Contusion, left thigh	1	—	Steering-wheel rim	—
Contusion, left knee	1	Knee bolster	—	—
Maximum A.I.S. Level	1	—	—	—
Injury Severity Score	1	—	—	—

CASE NO: 399

CASE VEHICLE: 1998 Ford

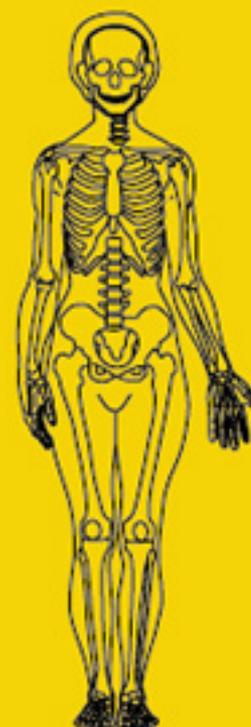
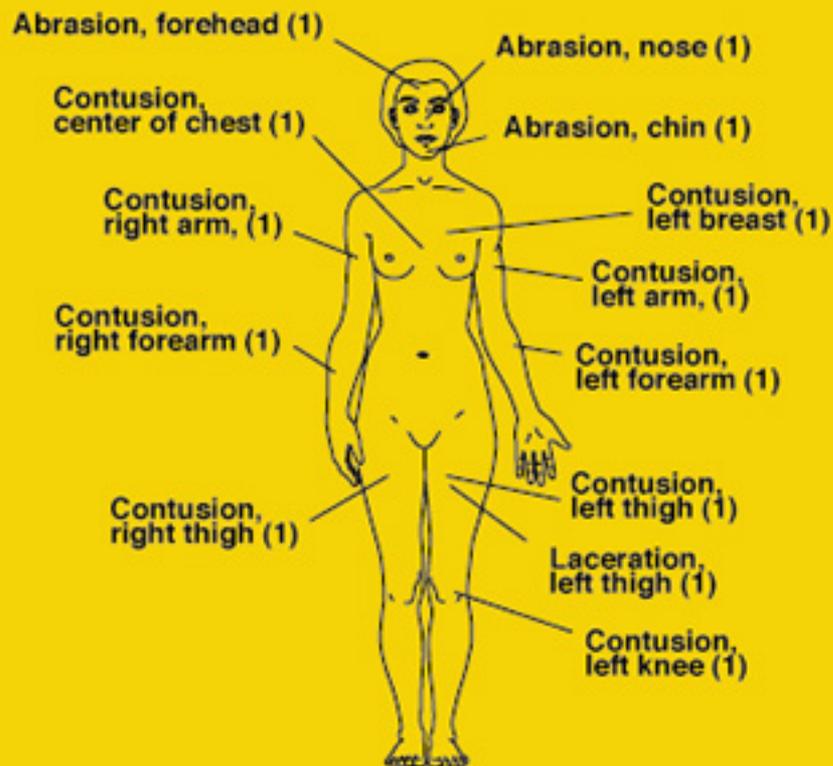
TYPE: Explorer XL Sport, 2-door SUV

OCCUPANT: (Driver) 44-year-old female

STATURE: 168 cm (5 ft, 6 in) MASS: 88 kg (195 lb)

RESTRAINTS: 3-point belt; steering-wheel airbag

SEVERITY: MAIS - 1 ISS - 1



Case No.: **399**

Case Vehicle (A): **1998 Ford**

Type: **Explorer XL Sport, 2-door SUV**

Driver: **44-year old female**

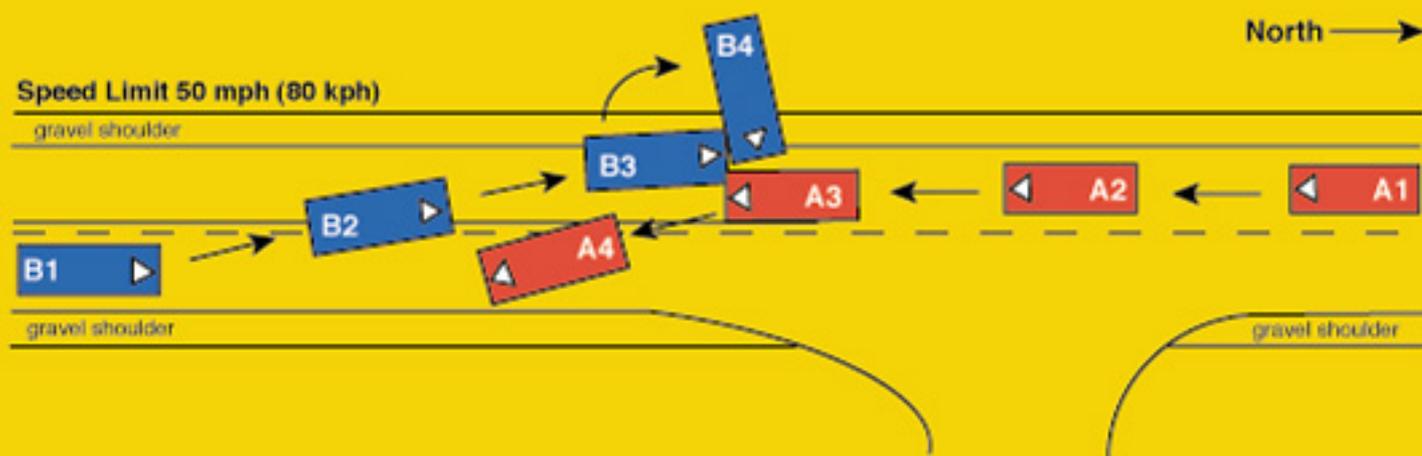
Vehicle (B): **1997 Dodge Intrepid, 4-door sedan**

Light Conditions: **Daylight**

Weather: **Clear**

Road Surface: **Dry**

Road Construction: **Asphalt**



Vehicle Report

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General Conditions

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Variable Number and Name	Code Value	Code Description	Other Options
V206 — Urban/Rural Area	1	Urban	more
V207 — Limited Access Highway	0	No	more
V208 — Road Total Lanes	2	2 lanes	more
V209 — Intersecting Road Total Lanes	8	Not applicable	more
V210 — Road Surface Type	1	Asphalt	more
V211 — Road Defects	0	No	more
V212 — Construction Zone	0	No	more
V213 — Road Alignment Vertical Plane	1	Level	more
V214 — Road Alignment Horizontal Plane	1	Straight	more
V215 — Surface Covering	10	Dry	more
V216 — Visibility Limitation	0	None	more
V217 — Visibility Obstruction	0	None	more
V218 — Speed Limit	5	80-85 km/h .. 50 mph	more
V219 — Precipitation Type	0	None	more
V220 — Precipitation Rate	8	Not applicable	more
V221 — Temperature	6	16 to 25 C .. 60 to 77 F	more

V222 — Crosswind	9	Unknown	more
V223 — Light Conditions	1	Daylight	more
V224 — Mechanical Malfunction Mention	0	No	more
V225 — Case Vehicle and Object	0	No	more
V226 — Case Vehicle Rollover	0	No	more
V227 — Case Vehicle Ran Off Roadway	0	No	more
V228 — Moving Case Vehicle/Contacted Moving Vehicle	1	Yes	more
V229 — Case Vehicle/Contacted Stopped Vehicle	0	No	more
V230 — Stopped Case Vehicle/Contactd Vehicle	0	No	more
V231 — Total Vehicles Hit By Case Vehicle	1	1 vehicle	more
V232 — Any Fire in Crash	0	No	more
V233 — Max Police Severity-PAR	2	B - Non-Incapacitating Injury	more
V234 — Driver Alcohol Involvement	0	Had not been drinking	more
V235 — Driver Alcohol BAC	80	Not tested	more
V236 — Driver Impairment Mention	0	No	more
V237 — Driven/Towed From Scene	2	Towed Due to Damage	more

Other Vehicle

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Variable Number and Name	Code Value	Code Description	Other Options
V301 — Other Vehicle VIN	2B3HD46F2VH6	—	—
V302 — Other Vehicle Manufacturer/Body Code	13229	—	—
V303 — Other Vehicle Manufacturer	132	Dodge	more
V304 — Other Vehicle Body Code	29	Full 110-114.9 in. wb.	more
V305 — Other Vehicle Make/Model	0739	Intrepid	more
V306 — Other Vehicle Model Year	1997	—	—
V307 — Other Vehicle Mass	001519 kg	—	—
V308 — Other Vehicle Number	0	No separate report	more
V309 — Other Vehicle Number of Occupants	01	—	—
V310 — Other Vehicle Traveling Speed	999	Unknown	more

V311 — Highest Police Injury Severity	0	0 - No Injury	more
V312 — Other Vehicle Type	29	Full 110-114.9 in. wb.	more
V313 — Other Vehicle Wheelbase (cm)	287 cm	—	—
V314 — Average Track Width	157 cm	—	—
V315 — Overall Length	512 cm	—	—
V316 — Overall Width (OAW)	189 cm	—	—
V317 — Front Overhang (FOH)	112 cm	—	—
V318 — Rear Overhang (ROH)	114 cm	—	—
V319 — Undeformed End Width (UEW)	146 cm	—	—
V320 — Engine Displacement	3.5 l	—	—
V321 — Engine: Number of Cylinders	06	—	—
V322 — Direct Damage Length (DDL)	999	Unknown	more
V323 — Front-End Overlap % (FEO)	99	Missing or Not applicable	more
V324 — Vehicle Overlap % (VOL)	99	Missing or Not applicable	more

Case Vehicle General



[Click for case vehicle figure](#)

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Variable Number and Name	Code Value	Code Description	Other Options
V401 — VIN	1FMZ024X4WUA	—	—
V402 — Manufacturer/Body Code	12114	—	—
V403 — Vehicle Manufacturer	121	Ford	more
V404 — Vehicle Body Code	14	—	—
V405 — Make/Model Code	3131	Explorer MPV	more
V406 — Model Year	1998	—	—
V407 — Vehicle Mass	001545 kg	—	—
V408 — Odometer Reading	102347 miles	—	—
V409 — Number of Occupants	01	—	—
V410 — Traveling Speed	999	Unknown	more
V411 — Body Type	21	Small utility (e.g. Jeep, Scout, Bronco)	more
V412 — Stolen Vehicle	8	Not currently collected	more
V413 — Body Structure	1	Body and frame	more
V414 — Transmission Type	1	Automatic	more

V415 — Transmission Lever Location	3	Column	more
V416 — Steering	1	Power	more
V417 — Brakes	1	Power	more
V418 — Brake Type	3	Disc - all wheels	more
V419 — Brake Anti-lock Device	2	Four-wheel	more
V420 — Air Conditioning in Vehicle	8	Not currently collected	more
V421 — Drive Type	3	Four wheel	more
V422 — Dual Rear Wheels	0	No	more
V423 — Original Restraint System Type	3	Airbag	more
V424 — Equipped With Roll Bar	0	No	more
V425 — Roof Type	4	Sun roof closed	more
V426 — Wheelbase	258 cm	—	—
V427 — Anti-lacerative Glass	1	Windshield	more
V428 — Average Track Width	149 cm	—	—
V429 — Overall Length	456 cm	—	—
V430 — Overall Width (OAW)	178 cm	—	—
V431 — Front Overhang	086 cm	—	—
V432 — Rear Overhang	112 cm	—	—
V433 — Undeformed End Width (UEW)	150 cm	—	—
V434 — Engine Displacement	4.0 l	—	—
V435 — Engine: Number of Cylinders	06	—	—
V436 — Direct Damage Length (DDL)	041 cm	—	—
V437 — Front End Overlap % (FEO)	27	—	—
V438 — Vehicle Overlap % (VOL)	31	—	—

Case Vehicle Damage Description

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Variable Number and Name	Code Value	Code Description	Other Options
V501 — Maximum Crush - Front	039 cm	—	—
V502 — Maximum Crush - Right Side	000 cm	No crush (or less than 1 cm.)	more
	000 cm	No crush (or	

V503 — Maximum Crush - Rear		less than 1 cm.)	more
V504 — Maximum Crush - Left Side	000 cm	No crush (or less than 1 cm.)	more
V505 — Maximum Crush - Roof	000 cm	No crush (or less than 1 cm.)	more
V506 — Maximum Crush - Other	000 cm	No crush (or less than 1 cm.)	more
V507 — Are Events In Chronological Order	1	Yes	more
V508 — Event 1 Impact Location	1	On Roadway	more
V509 — Event 1 Impact Configuration	11	FRONT of case veh - FRONT of contacted Vehicle	more
V510 — Event 1 Object/Vehicle Contacted	29	Full 110-114.9 in. wb.	more
V511 — Event 2 Impact Location	8	No 2nd event	more
V512 — Event 2 Impact Configuration	88	No 2nd event	more
V513 — Event 2 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V514 — Event 3 Impact Location	8	No 3rd event	more
V515 — Event 3 Impact Configuration	88	No 3rd event	more
V516 — Event 3 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V517 — Event 4 Impact Location	8	No 4th event	more
V518 — Event 4 Impact Configuration	88	No 4th event	more
V519 — Event 4 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V520 — Event 5 Impact Location	8	No 5th event	more
V521 — Event 5 Impact Configuration	88	No 5th event	more
V522 — Event 5 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V523 — Event 6 Impact Location	8	No 6th event	more
V524 — Event 6 Impact Configuration	88	No 6th event	more
	00	No	

V525 — Event 6 Object/Vehicle Contacted		object/vehicle contacted	more
V526 — Event 7 Impact On Road	8	No 7th event	more
V527 — Event 7 Impact Configuration	88	No 7th event	more
V528 — Event 7 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V529 — Primary CDC Case Vehicle -event Number	1	Event 1	more
V530 — Primary CDC Case Vehicle - impact speed	999	Unknown	more
V531 — Primary CDC Case Vehicle - Estimated By	1	Investigator	more
V532 — Primary CDC Case Vehicle -crush	039	—	—
V533 — Primary CDC Case Vehicle -clock #1	12	12 o'clock	more
V534 — Primary CDC Case Vehicle letter 1 #1	06	F - Front	more
V535 — Primary CDC Case Vehicle letter 2 #1	18	R - Right (Front or Rear)	more
V536 — Primary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	more
V537 — Primary CDC Case Vehicle letter 4 #1	05	E - Corner (extends from corner to = or < 16 in [410mm])	more
V538 — Primary CDC Case Vehicle Extent #1	02	Extent 2	more
V539 — Primary CDC Case Vehicle -CDC #1	12FREE2	—	—
V541 — Primary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V542 — Primary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V543 — Primary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V544 — Primary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V545 — Primary CDC Case Vehicle Extent #2	00	Missing Data/Not	more

		applicable	
V546 — Primary CDC Case Vehicle -CDC #2	9800000	—	—
V547 — Primary CDC Contacted Vehicle - Impact Speed	999	Unknown	more
V548 — Primary CDC Contacted Vehicle - Estimated By	1	Investigator	more
V549 — Primary CDC Contacted Vehicle -crush	999	Unknown	more
V550 — Primary CDC Contacted Vehicle -clock #1	99	Unknown or no damage	more
V551 — Primary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V552 — Primary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V553 — Primary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V554 — Primary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V555 — Primary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V556 — Primary CDC Contacted Vehicle -CDC #1	9900000	—	—
V558 — Primary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V559 — Primary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V560 — Primary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V561 — Primary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V562 — Primary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V563 — Primary CDC Contacted Vehicle -CDC #2	9800000	—	—
V564 — Secondary CDC Case Vehicle - Event No	8	Not applicable	more
V565 — Secondary CDC Case Vehicle - Impact	998	Not	

Speed		Applicable	more
V566 — Secondary CDC Case Vehicle - Estimated By	8	Not applicable (no vehicle/no impact)	more
V567 — Secondary CDC Case Vehicle -crush	998	Not Applicable	more
V568 — Secondary CDC Case Vehicle -clock #1	98	Not Applicable	more
V569 — Secondary CDC Case Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V570 — Secondary CDC Case Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V571 — Secondary CDC Case Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V572 — Secondary CDC Case Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V573 — Secondary CDC Case Vehicle Extent #1	00	Missing Data/Not applicable	more
V574 — Secondary CDC Case Vehicle -CDC #1	9800000	—	—
V576 — Secondary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V577 — Secondary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V578 — Secondary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V579 — Secondary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V580 — Secondary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V581 — Secondary CDC Case Vehicle -CDC #2	9800000	—	—
V582 — Secondary CDC Contacted Vehicle - Impact Speed	998	Not Applicable	more
	8	Not	

V583 — Secondary CDC Contacted Vehicle - Estimated By		applicable (no vehicle/no impact)	more
V584 — Secondary CDC Contacted Vehicle -crush	998	Not Applicable	more
V585 — Secondary CDC Contacted Vehicle -clock #1	98	Not Applicable	more
V586 — Secondary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V587 — Secondary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V588 — Secondary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V589 — Secondary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V590 — Secondary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V591 — Secondary CDC Contacted Vehicle -CDC #1	9800000	—	—
V593 — Secondary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V594 — Secondary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V595 — Secondary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V596 — Secondary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V597 — Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V598 — Secondary CDC Contacted Vehicle -CDC #2	9800000	—	—

Variable Number and Name	Code Value	Code Description	Other Options
V601 — Case Vehicle Primary Impact Number	1	—	—
V602 — Primary Impact Total Delta-V	026 kph	—	—
V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V	-026 kph	—	—
V604 — Primary Case Vehicle Reconstructed Lateral Delta-V	0005 kph	—	—
V605 — Primary Case Vehicle Reconstructed Crush Energy	0037 kJ	—	—
V606 — Primary Impact Case Vehicle - reconstruction	22	Reconstructed, moderate confidence level	more
V607 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V608 — Primary Contacted Vehicle Reconstructed Total Delta-V	026 kph	—	—
V609 — Primary	-025 kph		

Contacted Vehicle Reconstructed Longitudinal Delta-V			—	—
V610 — Primary Contacted Vehicle Reconstructed Lateral Delta-V	-004 kph		—	—
V611 — Primary Contacted Vehicle Reconstructed Crush Energy	0067 kJ		—	—
V612 — Case Vehicle Secondary Impact Number	8		—	—
V613 — Secondary Case Vehicle Reconstructed Total Delta-V	888	N/A		more
V614 — Secondary Case Vehicle Reconstructed Longitudinal Delta-V	8888		—	—
V615 — Secondary Case Vehicle Reconstructed Lateral Delta-V	8888		—	—
V616 — Secondary Case Vehicle Reconstructed Crush Energy	8888		—	—
V617 — Secondary Case Vehicle	88		—	—

Reconstruction Note			
V618 — Secondary Case Vehicle Reconstruction Mode	8	Not applicable	more
V619 — Secondary Contacted Vehicle Reconstructed Total Delta-V	888	N/A	more
V620 — Secondary Contacted Vehicle Reconstructed Longitudinal Delta-V	8888	—	—
V621 — Secondary Contacted Vehicle Reconstructed Lateral Delta-V	8888	—	—
V622 — Secondary Contacted Vehicle Reconstructed Crush Energy	8888	—	—
V623 — Case Vehicle Primary Impact Number	1	—	—
V624 — Primary Case Vehicle Reconstructed Total EBS	026 kph	—	—
V625 — Primary Case Vehicle Reconstructed Longitudinal	-026 kph	—	—

EBS			
V626 — Primary Case Vehicle Reconstructed Lateral EBS	0005 kph	—	—
V627 — Primary Case Vehicle Reconstructed Crush Energy	0037 kJ	—	—
V628 — Primary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	more
V629 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V630 — Primary Contacted Vehicle Reconstruction Total EBS	026 kph	—	—
V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS	-025 kph	—	—
V632 — Primary Contacted Vehicle Reconstruction Lateral EBS	-004 kph	—	—
V633 — Primary Contacted Vehicle Reconstruction Crush Energy	0067 kJ	—	—
V634 — Case	8		

Vehicle Secondary Impact Number		Not applicable	more
V635 — Secondary Case Vehicle Reconstruction Total EBS	888	N/A	more
V636 — Secondary Case Vehicle Reconstruction Longitudinal EBS	8888	—	—
V637 — Secondary Case Vehicle Reconstruction Lateral EBS	8888	—	—
V638 — Secondary Case Vehicle Reconstruction Crush Energy	8888	—	—
V639 — Secondary Case Vehicle Reconstruction Note	88	—	—
V640 — Secondary Case Vehicle Reconstruction Mode	8	Not applicable	more
V641 — Secondary Contacted Vehicle Reconstruction Total EBS	888	N/A	more
V642 — Secondary Contacted Vehicle Reconstruction Longitudinal EBS	8888	—	—

V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS	8888	—	—
V644 — Secondary Contacted Vehicle Reconstruction Crush Energy	8888	—	—
V645 — Case Vehicle Reconstructed Impact Number	1	—	—
V646 — Case Vehicle Impact 1 Plane	1	Bumper	more
V647 — Case Vehicle Impact 1 Direct Damage Length [DDL]	041 cm	—	—
V648 — Case Vehicle Impact 1 Max Crush	039 cm	—	—
V649 — Case Vehicle Impact 1 Field-L	132 cm	—	—
V650 — Case Vehicle Impact 1 C1	000 cm	No Crush	more
V651 — Case Vehicle Impact 1 C2	002 cm	—	—
V652 — Case Vehicle Impact 1 C3	007 cm	—	—
V653 — Case Vehicle Impact 1 C4	014 cm	—	—
V654 — Case	015 cm		

Vehicle Impact 1 C5		—	—
V655 — Case Vehicle Impact 1 C6	039 cm	—	—
V656 — Case Vehicle Impact 1 +/- D	0054 cm	—	—
V657 — Case Vehicle Reconstructed Impact Number	2	—	—
V658 — Case Vehicle Impact 2 Plane	8	Not applicable	more
V659 — Case Vehicle Impact 2 Direct Damage Length [DDL]	998	Not applicable	more
V660 — Case Vehicle Impact 2 Max Crush	998	Not applicable	more
V661 — Case Vehicle Impact 2 Field-L	998	Not applicable	more
V662 — Case Vehicle Impact 2 C1	998	Not applicable	more
V663 — Case Vehicle Impact 2 C2	998	Not applicable	more
V664 — Case Vehicle Impact 2 C3	998	Not applicable	more
V665 — Case Vehicle Impact 2 C4	998	Not applicable	more
V666 — Case Vehicle Impact 2 C5	998	Not applicable	more
V667 — Case	998		

Vehicle Impact 2 C6		Not applicable	more
V668 — Case Vehicle Impact 2 +/- D	9998	—	—
V669 — Other Vehicle Reconstructed Impact Number	1	—	—
V670 — Other Vehicle Impact 1 Plane	9	Unknown	more
V671 — Other Vehicle Impact 1 Direct Damage Length [DDL]	999	Unknown	more
V672 — Other Vehicle Impact 1 Max Crush	999	Unknown	more
V673 — Other Vehicle Impact 1 Field-L	999	Unknown	more
V674 — Other Vehicle Impact 1 C1	999	Unknown	more
V675 — Other Vehicle Impact 1 C2	999	Unknown	more
V676 — Other Vehicle Impact 1 C3	999	Unknown	more
V677 — Other Vehicle Impact 1 C4	999	Unknown	more
V678 — Other Vehicle Impact 1 C5	999	Unknown	more
V679 — Other Vehicle Impact 1 C6	999	Unknown	more
V680 — Other	0999 cm		

Vehicle Impact 1 +/- D		—	—
V681 — Other Vehicle Reconstructed Impact Number	2	—	—
V682 — Other Vehicle Impact 2 Plane	8	Not applicable	more
V683 — Other Vehicle Impact 2 Direct Damage Length [DDL]	998	Not applicable	more
V684 — Other Vehicle Impact 2 Max Crush	998	Not applicable	more
V685 — Other Vehicle Impact 2 Field-L	998	Not applicable	more
V686 — Other Vehicle Impact 2 C1	998	Not applicable	more
V687 — Other Vehicle Impact 2 C2	998	Not applicable	more
V688 — Other Vehicle Impact 2 C3	998	Not applicable	more
V689 — Other Vehicle Impact 2 C4	998	Not applicable	more
V690 — Other Vehicle Impact 2 C5	998	Not applicable	more
V691 — Other Vehicle Impact 2 C6	998	Not applicable	more
V692 — Other Vehicle Impact 2 +/- D	9998	—	—

Case Vehicle Tires & Rims

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Variable Number and Name	Code Value	Code Description	Other Options
V701 — Left Front Wheel Damaged	0	No	more
V702 — Right Front Wheel Damaged	1	Yes	more
V703 — Right Rear Wheel Damaged	0	No	more
V704 — Left Rear Wheel Damaged	0	No	more
V705 — Left Front Tire Tread Type	4	All Weather	more
V706 — Right Front Tire Tread Type	4	All Weather	more
V707 — Right Rear Tire Tread Type	4	All Weather	more
V708 — Left Rear Tire Tread Type	4	All Weather	more
V709 — Left Front Carcass Construction	3	Radial	more
V710 — Right Front Carcass Construction	3	Radial	more
V711 — Right Rear Carcass Construction	3	Radial	more
V712 — Left Rear Carcass Construction	3	Radial	more
V717 — Left Front Tire Size	P255170R16	—	—
V718 — Right Front Tire Size	P255170R16	—	—
V719 — Right Rear Tire Size	P255170R16	—	—
V720 — Left Rear Tire Size	P255170R16	—	—

Case Vehicle Fuel, Tank, Fire

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Variable Number and Name	Code Value	Code Description	Other Options
V801 — Propulsive Fuel Type	1	Gasoline	more
V802 — Main Tank Location	221	—	—
V803 — Main Filler Cap Location	113	Left of frame laterally - above vertically	more
V804 — Main Tank Material	1	Steel	more

V805 — Aux Tank Type	8	Not applicable (not equipped)	more
V806 — Aux Tank Location	888	Not applicable (not equipped)	more
V807 — Aux Filler Cap Location	888	Not applicable (not equipped)	more
V808 — Aux Tank Material	8	Not applicable	more
V901 — Fuel Leakage From Crash	0	No	more
V1001 — Fire In Or On Case Vehicle	0	No	more

Case Vehicle Exterior

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Variable Number and Name	Code Value	Code Description	Other Options
V1101 — Hood Latch Released	0	No	more
V1102 — Hood Latch Damaged	0	No	more
V1103 — Hood Latch Jammed	8	Not applicable	more
V1104 — Left Hood Hinge Damaged	0	No	more
V1105 — Left Hood Hinge Separated	8	Not applicable	more
V1106 — Right Hood Hinge Damaged	1	Yes	more
V1107 — Right Hood Hinge Separated	0	No	more
V1108 — Hood Remained On Vehicle	1	Yes	more
V1109 — Rear Hood Edge Elevated	1	Yes	more
V1110 — Edge Contacted Windshield	0	No	more
V1111 — Edge Penetrated Windshield	8	Not applicable	more
V1112 — Hood Latch Location	1	Front of Vehicle	more
V1113 — Eng/Transmissn Mount Separation	0	No	more
V1114 — Steerng Column Flex Coupling	9	Unknown if equipped	more
V1115 — Steerng Column Coupling Damaged	9	Unknown	more
V1116 — Steerng Column Coupling Separated	9	Unknown	more
V1117 — Eng Comp Telescopng Unit	88	Not collected	more
V1118 — Comp Orig/Telescopd Diff	888	Not collected	more
V1119 — Left Side Body Mount Separation	0	No	more
V1120 — Upper Left A-pillar Separation	0	No	more
V1121 — Lower Left A-pillar	0	No	more

Separation			
V1122 — Upper Left B-pillar Separation	0	No	more
V1123 — Lower Left B-pillar Separation	0	No	more
V1124 — Upper Left C-pillar Separation	0	No	more
V1125 — Lower Left C-pillar Separation	0	No	more
V1126 — Upper Left D-pillar Separation	8	Not applicable (not equipped)	more
V1127 — Lower Left D-pillar Separation	8	Not applicable (not equipped)	more
V1128 — Left Front Door Opening Cause	0	Door did not open	more
V1129 — Left Rear Door Opening Cause	8	Not applicable (no left rear door)	more
V1130 — Left Front Door Jammed Closed	0	No	more
V1131 — Left Rear Door Jammed Closed	8	Not applicable (no left rear door)	more
V1132 — Rear Door Type	2	One-way tailgate	more
V1133 — Rear Door Opening Cause	0	Door did not open	more
V1134 — Rear Door Jammed Closed	0	No	more
V1135 — Luggage Partition Damagd	8	Not applicable	more
V1136 — Spare Tire Status	8	Not collected	more
V1137 — Trailer Hitch Type	0	No hitch	more
V1138 — Trailer Type	0	No trailer	more
V1139 — Right Side Body Mount Separation	0	No	more
V1140 — Upper Right A-pillar Separation	4	No separation, but damaged	more
V1141 — Lower Right A-pillar Separation	4	No separation, but damaged	more
V1142 — Upper Right B-pillar Separation	0	No	more
V1143 — Lower Right B-pillar Separation	0	No	more
V1144 — Upper Right C-pillar Separation	0	No	more
V1145 — Lower Right C-pillar Separation	0	No	more

V1146 — Upper Right D-pillar Separation	8	Not applicable (not equipped)	more
V1147 — Lower Right D-pillar Separation	8	Not applicable (not equipped)	more
V1148 — Right Front Door Opening Cause	00	Door did not open	more
V1149 — Right Rear Door Opening Cause	98	Not applicable (no right rear door)	more
V1150 — Right Front Door Jammed Closed	0	No	more
V1151 — Right Rear Door Jammed Closed	8	Not applicable (no right rear door)	more
V1152 — Van Rear Door Type	8	Not applicable (not a van)	more
V1153 — Windshield Cracked		Yes	more
V1154 — Windshield Broken	0	No	more
V1155 — Windshield Cracked or Broken by Occupant	0	No	more
V1156 — Bond Separation Extent	8	Not applicable	more
V1157 — Windshield Code		—	—
V1158 — Did Sun/T Roof Open	0	No	more

**Case Vehicle
Steering
Column/Rim**

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Variable Number and Name	Code Value	Code Description	Other Options
V1201 — Steering Wheel Rim Damage	0	None	more
V1202 — Number of Steering Wheel Spokes	4	4 spokes	more
V1203 — Steering Wheel Spoke Damage	0	None	more
V1204 — Column Tilt Feature	3	Middle	more

V1205 — Column Swing-away Feature	0	Not equipped	more
V1206 — Column Telescoping Feature	0	Not equipped	more
V1207 — Wheel Energy Absorb Device	8	Not collected	more
V1208 — Wheel Ea Orig/Damaged Diff	888	Not collected	more
V1209 — Column Energy Absorb Device	88	Not collected	more
V1210 — Column Ea Orig/Comprss Diff	888	Not collected	more
V1211 — Shear Capsule Separation	888	Not collected	more
V1212 — Column Vertical Rotation	0	No apparent rotation	more
V1213 — Column Lateral Rotation	0	No apparent rotation	more
V1214 — Steering Wheel Hub Damage	0	None	more

Case Vehicle Intrusion



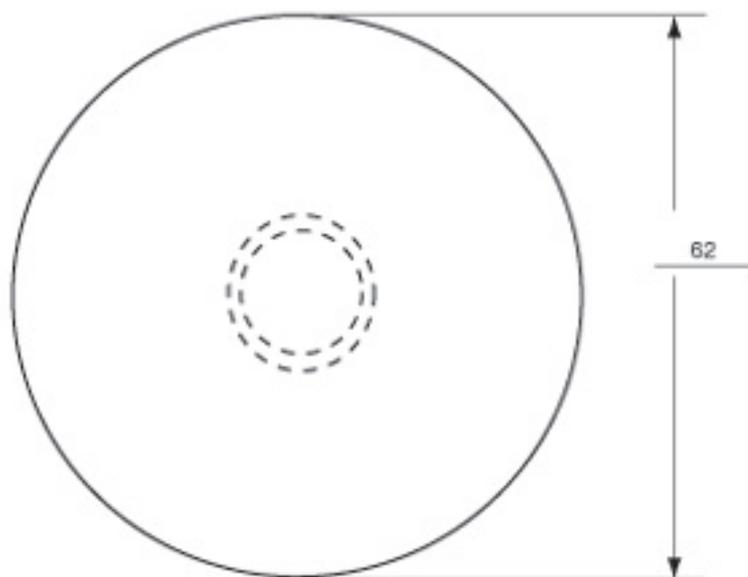
Click for intrusion figure

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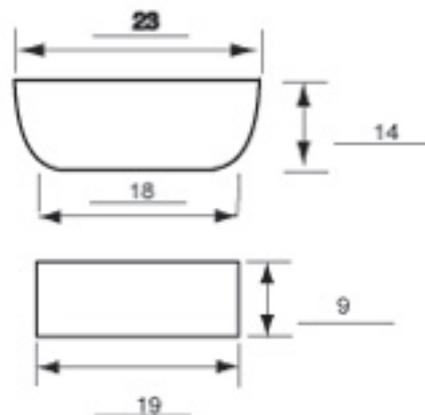
Variable Number and Name	Code Value	Code Description	Other Options
V1301 — Occupant Compartment Intrusion	1	Yes	more
V1302 — Was Intrusion Catastrophic	0	No	more
V1303 — Intrusion Number 01	01	Intrusion #1	more
V1304 — Intrusion 01 Occupant Space Number	13	First row, Right seat	more
V1305 — Intrusion 01 Intruding Object	03	Toe pan	more
V1306 — Intrusion 01 Assoc Event Number	1	Event #1	more
V1307 — Intrusion 01 Max Intrusion X-axis	36 cm	—	—
V1308 — Intrusion 01 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1309 — Intrusion 01 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1310 — Intrusion 01 Occupant Number	00	No contact or no intrusion	more
V1311 — Intrusion 01 Injury Number	00	No injury or no intrusion	more

V1312 — Intrusion 01 Occupant Number	00	No contact or no intrusion	more
V1313 — Intrusion 01 Injury Number	00	No injury or no intrusion	more
V1314 — Intrusion Number 02	02	Intrusion #2	more
V1315 — Intrusion 02 Occupant Space Number	13	First row, Right seat	more

Driver Airbag



Driver Airbag Doors



H-Pattern

Vents: Y N
if yes, how many: 2

Vents @ 11 and 1 o'clock

Tethers: Y N
if yes, how many: 2

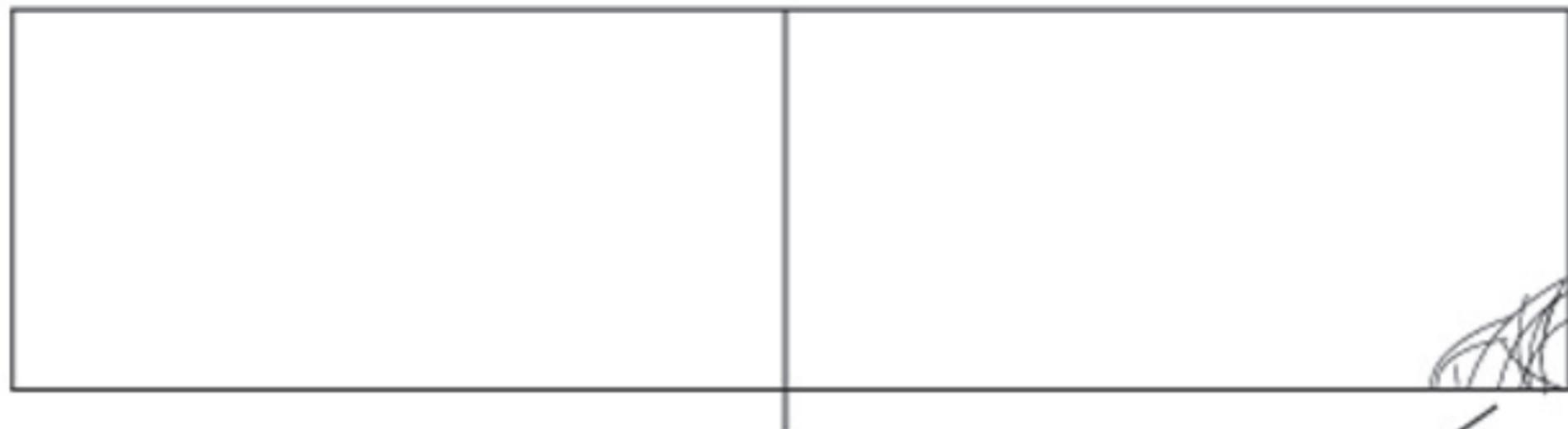
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)				Dominant Crush Direction	
		Comparison Value	–	Intruded Value	= Intrusion		
13	Toepan		–	=	36	to rear	
13	Instrument panel		–	=	10	to rear	
13	A-pillar		–	=	8	to rear	
13	Center console	61	–	59	=	2	to left
13	Sill	141	–	138	=	3	to left

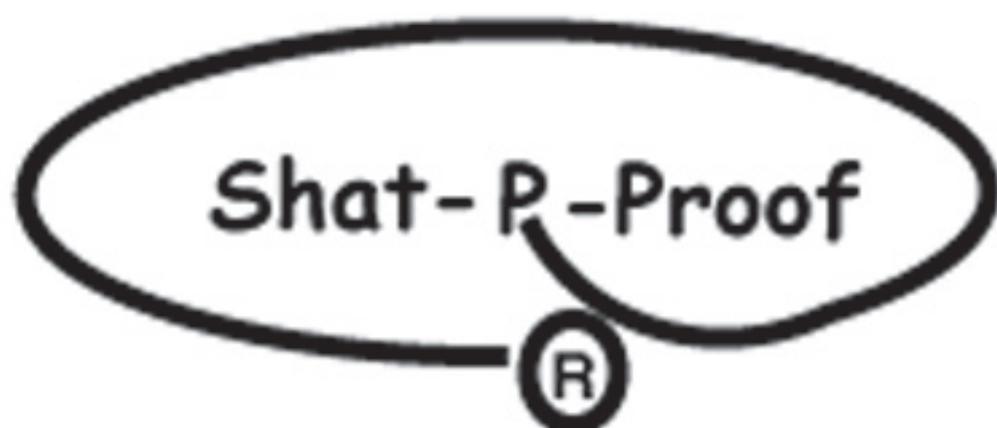
OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Driver door	1		Scuffmark	2
B	Driver door	1		Scrape	2
C	Left knee bolster	1	Knee	Scuffmarks	2
D					
E					
F					
G					
H					
I					
J					
K					
L					



Cracked from
non-contact forces

WINDSHIELD MARK ON CASE VEHICLE:



DOT 603M848AS1

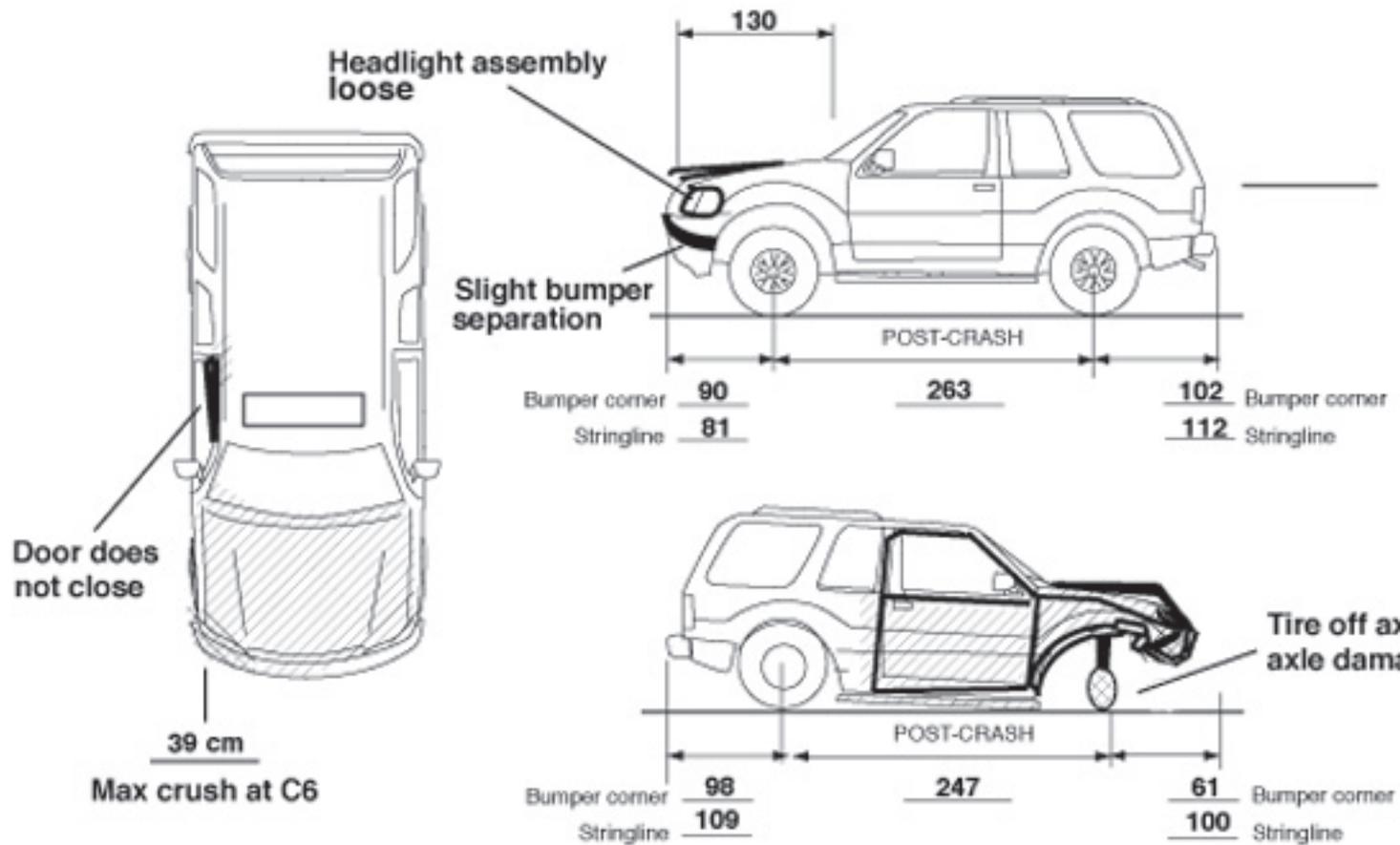


SOLAR TINT

..... 3

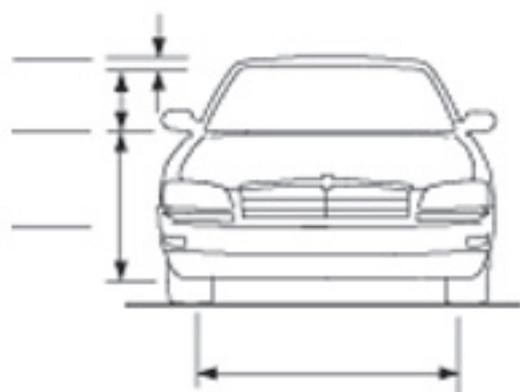
DW 1206

MEASUREMENTS IN CENTIMETERS

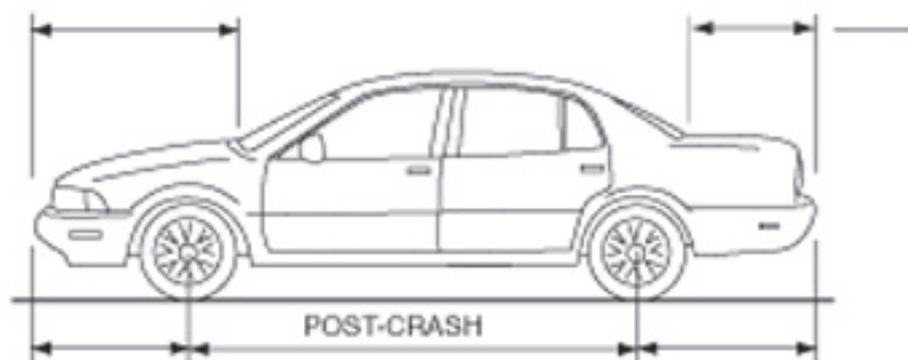
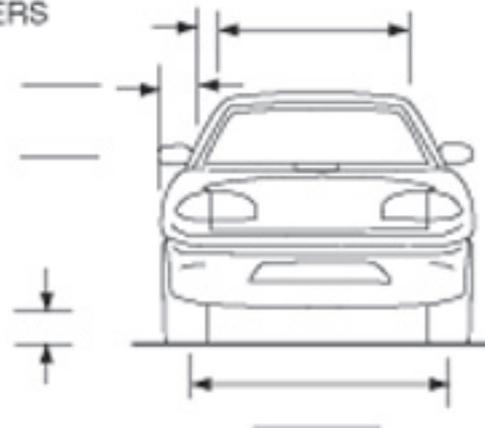


VEHICLE NOT INSPECTED

MEASUREMENTS IN CENTIMETERS

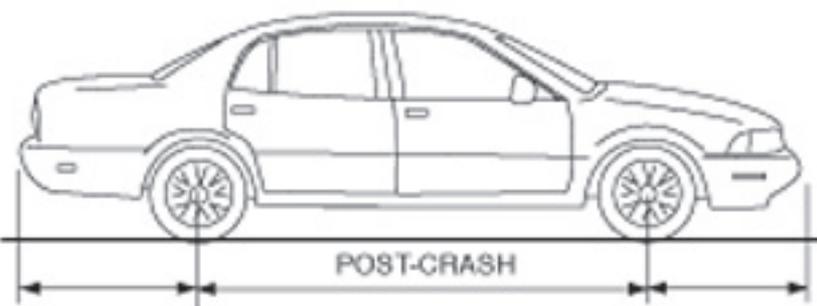


Original
Bumper Height



Bumper corner
Stringline

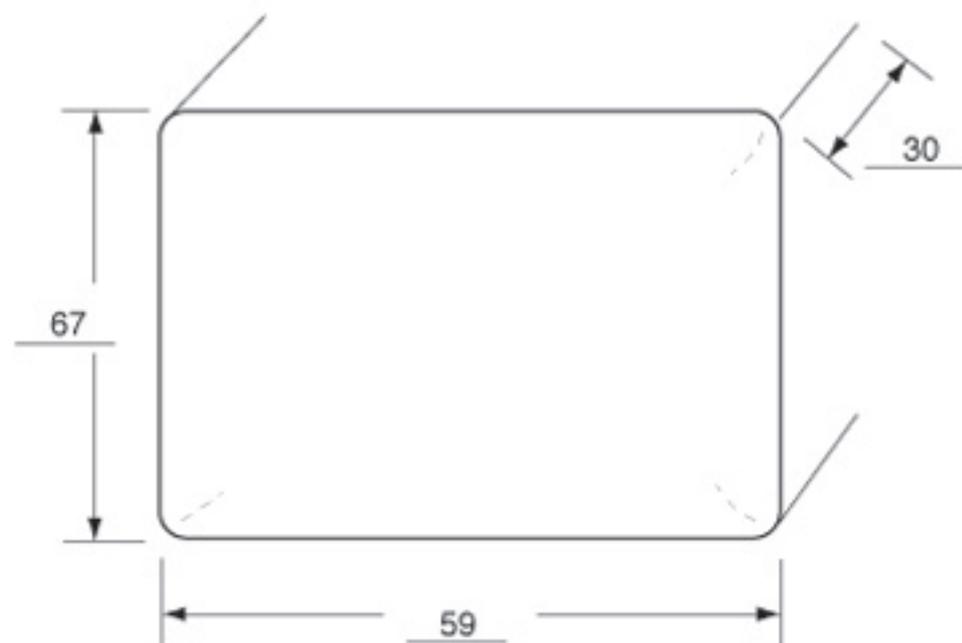
Bumper corner
Stringline



Bumper corner
Stringline

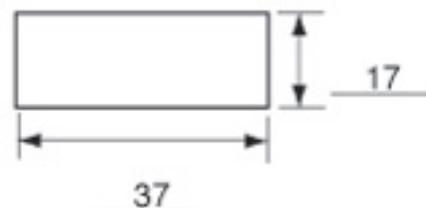
Bumper corner
Stringline

Passenger Airbag



Passenger Airbag Door

Single Door



Vents: Y N
if yes, how many: _____

Tethers: Y N
if yes, how many: _____





































BRAKE RELEASE

CAUTION: THE BALANCE WHEEL MUST BE HELD IN THE
UPPER POSITION WHILE THE VEHICLE IS IN MOTION











R RND 21

Ford

1 FT & IN

8m/26

MADE IN

P. H. APFD 262 IC

STUD CENTERS















OK

SPORT

MADE IN U.S.A.





OK







OK

CLUB WAGON







Ford

































DO
NOT
PASS





