

Case 474 : Narrative

| | |
|--------------------------------------|-------------------------------------|
| Case Vehicle (A): 2002 Mercury | Vehicle (B): 1997 Ford |
| Type: Grand Marquis LS, 4-door sedan | Type: Ranger XL, 4x2, 2-door pickup |
| Driver: 77-year-old male | Driver: 30-year-old male |
| CDC: 12-FDEW-2 | CDC: 99-0000-0 |

SITUATION

[1](#) It was daylight and raining and the asphalt surface of the Y-type intersection of the two-lane roads was wet but in good condition. [2](#) Case vehicle (A) was traveling south at an unknown speed in the southbound lane of the north-south road and [3](#) vehicle (B) was stopped facing north in the northbound lane of the intersecting road. [4](#) The driver of case vehicle (A) may have passed out due to medical problems and, as the north-south road curved to the east (to the left), case vehicle (A) went straight, entered the intersecting road, and the front of case vehicle (A) struck and under-rode the front of vehicle (B). Both vehicles were towed due to damage.

The police accident report indicates B-level injuries for the drivers of both case vehicle (A) and vehicle (B), and no injuries for the right-front passenger of vehicle (B). The driver of case vehicle (A) was transported by ambulance to a level-one trauma center and hospitalized for three days. The driver of case vehicle (A) had been drinking and the results of a police blood test revealed a .14% blood-alcohol level.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[5](#) Damage to the front of case vehicle (A) was moderate. [6](#) Direct damage began at the right-front bumper corner and extended 114 cm to the left edge of the radiator, resulting in 67% vehicle overlap (% VOL). [7](#) The maximum rearward crush was 57 cm and it occurred at the upper-right radiator support. [8](#) The maximum rearward bumper crush was 32 cm and it occurred at the right-front bumper corner.

The driver of vehicle (B) would not permit a vehicle inspection.

Using the missing-vehicle algorithm of the WinSMASH crash-reconstruction program and a crush profile measured for the front of case vehicle (A) [9](#) [10](#) [11](#) [12](#) at the level of the upper radiator support, the following impact severities were estimated:

| Vehicle | Variable | Estimated Velocity Change - kph (mph) | | |
|------------------|----------|---------------------------------------|--------------|-------------|
| | | Total | Longitudinal | Latitudinal |
| Case Vehicle (A) | delta V | 34 (21) | -34 (-21) | -6 (-4) |
| Vehicle (B) | delta V | 43 (26) | -43 (-26) | 0 (0) |

Case vehicle (A) was equipped with a downloadable Event Data Recorder (EDR). The EDR data indicate that the driver seatbelt was buckled and that the pretensioner fired 26.4 milliseconds into the

event. They also indicate that the driver seat was not in a full-forward seat-track position. The EDR data indicate that the driver airbag met the unbelted stage-1 deployment criteria at 26.4 milliseconds and stage 2 was disposed of at 126.4 milliseconds into the event. The maximum-recorded longitudinal velocity change was -21.67 mph at 76.8 milliseconds.

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

[13](#) [14](#) In the front, the bumper was crushed rearward and bent down due to the override by vehicle (B), and the hood and upper radiator support were crushed rearward. The hood was buckled up in the middle and [15](#) the hood latch was damaged and jammed closed. [16](#) The left hood hinge was not damaged, [17](#) the right hood hinge was deflected to the left, and [18](#) the rear edge of the hood was elevated and it had contacted and cracked the lower-right corner of the windshield. [19](#) The inner part of the windshield in front of the driver was scuffed, possibly from contact by the steering-wheel airbag.

[20](#) On the left side, the fender was deflected to the right, [21](#) both doors were closed and operational, the glazing was intact, and the left-side wheelbase was reduced by 5 cm.

There was no damage to the rear of the vehicle.

[22](#) On the right side, the fender was crushed rearward and buckled. [23](#) The right-side doors were closed and operational and the glazing was intact, but the right wheelbase was reduced by 8 cm.

Interior

This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags and [24](#) [25](#) both deployed in this frontal impact. [26](#) [27](#) [28](#) In the driver area, there was no damage to the deployed steering-wheel airbag or to the module flaps/covers. [29](#) [30](#) [31](#) The steering-wheel rim and spokes were bent forward, [32](#) the upper-left section of the wooden steering-wheel rim was cracked, [33](#) the left steering-wheel spoke was scuffed, and [34](#) the steering column was deflected up and to the right. [35](#) [36](#) The sunvisor was scuffed and [37](#) the vanity mirror on the sunvisor was broken. [38](#) The windshield over the steering wheel was scuffed from contact by the steering-wheel airbag. [39](#) The left section of the driver knee bolster was scuffed and cracked, the fuse box was displaced, the underside of the plastic steering-column cover was scuffed, and the knee bolster to the right of the steering column was dented. [40](#) The mid instrument-panel trim was displaced and hanging by a wire. There was no other damage in the driver area.

[41](#) [42](#) In the center-front area, the mid instrument-panel trim, the ashtray, and the access panel were displaced. [43](#) The left ashtray bracket was bent up and to the right. [44](#) There was no other damage in the center-front area.

[45](#) [46](#) In the right-front seating area, there was no damage to the dash-mounted airbag or to [47](#) the module flap/cover. [48](#) The mid instrument-panel trim was displaced and separated from the dashboard. There was no other damage in the right-front occupant area.

[49](#) [50](#) There was no damage in the rear seating areas and there were no intrusions into the interior of the vehicle.

OCCUPANT KINEMATICS AND INJURIES

[51](#) The 175-cm, 111-kg (5-ft 9-in, 245-lb) 77-year-old male driver was not using the three-point belt, which was buckled behind him, and [52](#) the steering-wheel airbag deployed. [53](#) [54](#) During the frontal impact, the unbelted male driver moved forward relative to the vehicle interior, into the knee bolster and airbag. He sustained a laceration to the right knee probably due to contact with the ashtray bracket, and he sustained an abrasion to the right knee, probably due to contact with the knee bolster and/or the side of the center instrument stack. He sustained a contusion to the left knee, probably due to contact with the knee bolster, as evidenced by scuffmarks. He sustained a sprained left ankle, probably due to loading of the left foot on the toepan.

The following table and drawing [55](#) summarize the injuries for the driver of case vehicle (A).

| Occupant: Driver | Age: 77 years | Gender: Male | | |
|-----------------------------------|------------------------------|-----------------------|-----------------|----------|
| Restraints: Steering-wheel airbag | Stature: 175 cm (5 ft, 9 in) | Mass: 111 kg (245 lb) | | |
| Injury Description | A.I.S. | Injury Source | | |
| | | Definite | Probable | Possible |
| — | — | — | — | — |
| Laceration, right knee | 1 | — | Ashtray bracket | — |
| Abrasion, right knee | 1 | — | Knee bolster | — |
| Contusion, left knee | 1 | — | Knee bolster | — |
| Sprain, left ankle | 1 | — | Toepan | — |
| Maximum A.I.S. Level | 1 | — | — | — |
| Injury Severity Score | 2 | — | — | — |

CASE NO.: 474

CASE VEHICLE: 2002 Mercury

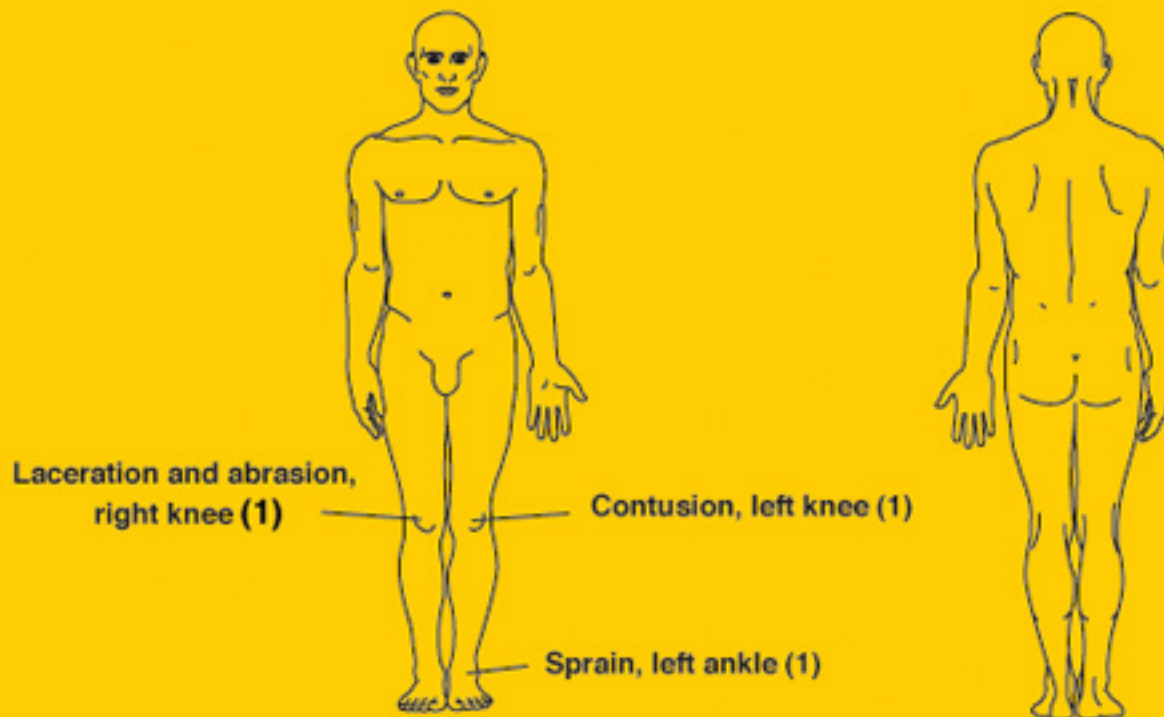
TYPE: Grand Marquis LS, 4-door sedan

OCCUPANT: Driver: 77-year-old male

STATURE: 175 cm (5 ft, 9 in) MASS: 111 kg (245 lb)

RESTRAINTS: Steering-wheel airbag

SEVERITY: MAIS - 1 : ISS - 2



Case No.: **474**

Case Veh. (A): **2002 Mercury**

Type: **Grand Marquis LS, 4-door sedan**

Driver: **77-year-old male**

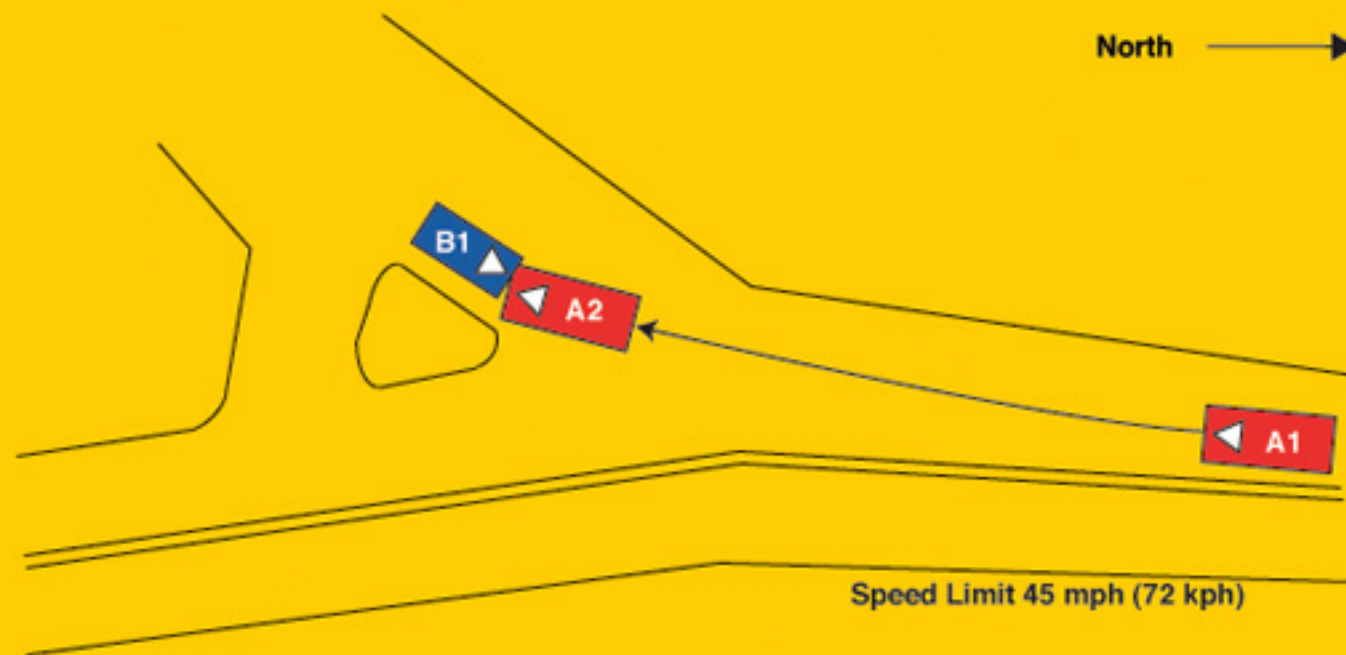
Veh. (B): **1997 Ford Ranger XL, 4x2, 2-door pickup**

Light Conditions: **Daylight**

Weather: **Rain**

Road Surface: **Wet**

Road Construction: **Asphalt**



474: 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 | 1450 | Time of day (24 hour clock) | more |
| V0205 | State Fips Code | 26 | Michigan | more |
| V0206 | Urban/rural Area | 2 | Rural | more |
| V0207 | Limited Access Highway | 0 | No | more |
| V0208 | Road Total Lanes | 2 | 2 lanes | more |
| V0209 | Intersect Road Total Lanes | 2 | 2 lanes | more |
| V0210 | Trafficway Flow | 0 | Not physically divided - two way traffic | more |
| V0211 | Road Surface Type | 1 | Asphalt | more |
| V0212 | Road Defects | 0 | No | more |
| V0213 | Construction Zone | 0 | No | more |
| V0214 | Road Alignment Vertical Plane | 1 | Level | more |

| | | | | |
|-------|--|------|-------------------------------------|----------------------|
| V0215 | Road Alignment Horizontal Plane | 4 | Y-shaped | more |
| V0216 | Surface Covering | 22 | Water - wet | more |
| V0217 | Visibility Limitation | 0 | None | more |
| V0218 | Visibility Obstruction | 0 | None | more |
| V0219 | Speed Limit | 4 | 71-79 km/h .. 45 mph | more |
| V0220 | Precipitation Type | 1 | Rain | more |
| V0221 | Precipitation Rate | 2 | Moderate | more |
| V0222 | Temperature | 6 | 16 to 25 C .. 60 to 77 F | more |
| V0223 | Crosswind | 1 | Light | more |
| V0224 | Light Conditions | 1 | Daylight | more |
| V0225 | Mechanical Malfunction Mention | 0 | No | more |
| V0226 | Case Vehicle And Object | 0 | No | more |
| V0227 | Case Vehicle Rollover | 0 | No | more |
| V0228 | Rollover Location | 0 | No rollover | more |
| V0229 | Roll Direction | 0 | No rollover | more |
| V0230 | Rollover Initiation Type | 0 | No rollover | more |
| V0231 | Rollover Number Of Turns | 0 | No rollover | more |
| V0232 | Case Vehicle Preimpact Braking | 9 | Unknown | more |
| V0233 | Case Vehicle Preimpact Stability | 1 | Case vehicle tracking before impact | more |
| V0234 | Case Vehicle Ran Off Roadway | 0 | No | more |
| V0235 | Moving Case Vehicle Contacted Moving Vehicle | 0 | No | more |
| V0236 | Case Vehicle Contacted Stopped Vehicle | 1 | Yes | more |
| V0237 | Stopped Case Vehicle Contacted Vehicle | 0 | No | more |
| V0238 | Total Vehicles Hit By Case Vehicle | 1 | 1 vehicle | more |
| V0239 | Any Fire In Crash? | 0 | No | more |
| V0240 | Maximum Police Severity-acc | 2 | B - Non-Incapacitating Injury | more |
| V0241 | Driver Alcohol Involvmnt | 1 | Had been drinking | more |
| V0242 | Driver Alcohol BAC (Case Vehicle) | 0.14 | Actual BAC | more |
| V0243 | Driver Impairment Mention | 1 | Yes | more |
| V0244 | Driver Distraction | 99 | Unknown | more |

| | | | | |
|-------|-------------------------|---|--|----------------------|
| V0245 | Driver Drug Involvement | 1 | Yes, drug use mentioned | more |
| V0246 | Driver Drug Type | 1 | Prescription drugs used by diver for known medic | more |
| V0247 | Driven/towed From Scene | 2 | Towed Due to Damage | more |

Other Vehicle

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|--|------------------|--|----------------------|
| V0301 | Other Vehicle VIN | 1FTCR10X8VXXXXXX | Click for Contacted Vehicle figure | more |
| V0302 | Other Vehicle Manufacturer/Body Code | 12112 | — | — |
| V0303 | Other Vehicle Manufacturer | 121 | Ford | more |
| V0304 | Other Vehicle Body Code | 12 | Pickup truck (no canopy or shell) | more |
| V0305 | Other Vehicle Make/model | 3121 | Ranger R10 | more |
| V0306 | Other Vehicle Model Year | 1997 | Year | more |
| V0307 | Other Vehicle Mass | 001378 kg | Mass (Kg.) | more |
| V0308 | Other Vehicle Number | 0 | No separate report | more |
| V0309 | Other Vehicle Number of Occupants | 02 | number of occupants | more |
| V0310 | Other Vehicle Traveling Speed | 000 kph | Parked or just starting | more |
| V0311 | Highest Police Injury Severity | 2 | B - Non-Incapacitating Injury | more |
| V0312 | Other Vehicle Type | 12 | Pickup truck | more |
| V0313 | Other Vehicle Wheelbase in Centimeters | 274 cm | Actual Wheelbase (cm) | more |
| V0314 | Other Vehicle Average Track Width | 145 cm | actual measurement (cm) | more |
| V0315 | Other Vehicle Overall Length | 468 cm | actual measurement (cm) | more |
| V0316 | Other Vehicle Overall Width (OAW) | 176 cm | actual measurement (cm) | more |
| V0317 | Other Vehicle Front Overhang | 085 cm | actual measurement (cm) | more |
| | | | | |

| | | | | |
|-------|---|--------|---------------------------|----------------------|
| V0318 | Other Vehicle Rear Overhang | 109 cm | actual measurement (cm) | more |
| V0319 | Other Vehicle Undeformed End Width (UEW) | 140 cm | actual measurement (cm) | more |
| V0320 | Other Vehicle Engine Displacement | 4.0 l | Liters | more |
| V0321 | Other Vehicle Engine: Number of Cylinders | 06 | number of cylinders | more |
| V0322 | Other Vehicle Direct Damage Length (DDL) | 999 | Unknown | more |
| V0323 | Other Vehicle Front-End Overlap | 99 | Missing or Not applicable | more |
| V0324 | Other Vehicle - Vehicle Overlap | 99 | Missing or Not applicable | more |

Case Vehicle General

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|-----------------------------|------------------|---|----------------------|
| V0401 | VIN | 2MEFM75W72XXXXXX | Click for Case Vehicle figure | more |
| V0402 | Manufacturer/Body Code | 22229 | — | — |
| V0403 | Vehicle Manufacturer | 222 | Lincoln-Mercury | more |
| V0404 | Vehicle Body Code | 29 | Full 110-114.9 in. wb. | more |
| V0405 | Make/model Code | 0929 | Grand Marquis | more |
| V0406 | Model Year | 2002 | Model year | more |
| V0407 | Vehicle Mass | 001809 kg | Mass (Kg) | more |
| V0408 | Odometer Reading | 888888 | — | — |
| V0409 | Number of Occupants | 01 | 1 occupant | more |
| V0410 | Traveling Speed | 999 | Unknown | more |
| V0411 | Body Type | 14 | 4-door sedan | more |
| V0412 | Stolen Vehicle | 8 | Not currently collected | more |
| V0413 | Body Structure | 1 | Body and frame | more |
| V0414 | Transmission Type | 1 | Automatic | more |
| V0415 | Transmission Lever Location | 3 | Column | more |
| V0416 | Steering | 1 | Power | more |
| V0417 | Brakes | 1 | Power | more |
| V0418 | Brake Type | 3 | Disc - all wheels | more |
| V0419 | Adjustable Pedals? | 1 | Yes | more |

| | | | | |
|-------|--|--------|-------------------------|----------------------|
| V0420 | Brake Anti-lock Device | 2 | Four-wheel | more |
| V0421 | Air Conditioning in Vehicle | 8 | Not currently collected | more |
| V0422 | Drive Type | 1 | Rear wheel | more |
| V0423 | Dual Rear Wheels | 0 | No | more |
| V0424 | Original Restraint System Type | 3 | Air bag | more |
| V0425 | Equipped With Roll Bar | 0 | No | more |
| V0426 | Roof Type | 1 | Solid | more |
| V0427 | Case Vehicle Wheelbase in Centimeters | 291 cm | Actual Wheelbase | more |
| V0428 | Anti-lacerative Glass | 8 | Not Collected | more |
| V0429 | Case Vehicle average track Width | 163 cm | actual measurement (cm) | more |
| V0430 | Case Vehicle Overall Length | 538 cm | actual measurement (cm) | more |
| V0431 | Case Vehicle Overall Width (OAW) | 199 | actual measurement (cm) | more |
| V0432 | Case Vehicle Front Overhang | 108 cm | actual measurement (cm) | more |
| V0433 | Case Vehicle Rear Overhang | 139 cm | actual measurement (cm) | more |
| V0434 | Case Vehicle Undeformed End Width (UEW) | 160 cm | actual measurement (cm) | more |
| V0435 | Case Vehicle Engine Displacement | 4.6 l | Liters | more |
| V0436 | Case Vehicle Engine: Number of Cylinders | 08 | number of cylinders | more |
| V0437 | Case Vehicle Direct Damage Length (DDL) | 114 cm | actual measurement (cm) | more |
| V0438 | Case Vehicle Front-end Overlap | 71 | percentage (%) | more |
| V0439 | Case Vehicle - Vehicle Overlap | 67 | percentage (%) | more |

Case Vehicle Damage Description

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|---------------|------------|------------------|---------------|
| | | | | |

| | | | | |
|-------|--|--------|--|----------------------|
| V0501 | Maximum Sheet Metal Crush - Front | 057 cm | Depth of Crush (cm) | more |
| V0502 | Maximum Sheet Metal Crush - Right Side | 000 cm | No Crush (or less than 1 cm.) | more |
| V0503 | Maximum Sheet Metal Crush - Rear | 000 cm | No Crush (or less than 1 cm.) | more |
| V0504 | Maximum Sheet Metal Crush - Left Side | 000 cm | No Crush (or less than 1 cm.) | more |
| V0505 | Maximum Sheet Metal Crush - Roof | 000 cm | No Crush (or less than 1 cm.) | more |
| V0506 | Maximum Sheet Metal Crush - Other | 000 cm | No Crush (or less than 1 cm.) | more |
| V0507 | Seq In Chronological Ord | 1 | Yes | more |
| V0508 | Event 1 -impact Location | 1 | On Roadway | more |
| V0509 | Event 1 -Impact Configuration | 11 | FRONT of case veh - FRONT of contacted veh | more |
| V0510 | Event 1 -Object/Vehicle Contactd | 12 | Pickup truck | more |
| V0511 | Event 2 -impact Location | 8 | No 2nd event | more |
| V0512 | Event 2 -Impact Configuration | 88 | No 2nd event | more |
| V0513 | Event 2 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0514 | Event 3 -impact Location | 8 | No 3rd event | more |
| V0515 | Event 3 -Impact Configuration | 88 | No 3rd event | more |
| V0516 | Event 3 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0517 | Event 4 -impact Location | 8 | No 4th event | more |
| V0518 | Event 4 -Impact Configuration | 88 | No 4th event | more |
| V0519 | Event 4 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0520 | Event 5 -impact Location | 8 | No 5th event | more |
| V0521 | Event 5 -Impact Configuration | 88 | No 5th event | more |
| V0522 | Event 5 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0523 | Event 6 -impact Location | 8 | No 6th event | more |
| V0524 | Event 6 -Impact Configuration | 88 | No 6th event | more |
| V0525 | Event 6 -Object/Vehicle | 00 | No object/vehicle contacted | more |

| | | | | |
|-------|---|---------|--------------------------------|----------------------|
| | Contactd | | | |
| V0526 | Event 7 -impact Location | 8 | No 7th event | more |
| V0527 | Event 7 -Impact Configuration | 88 | No 7th event | more |
| V0528 | Event 7 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0529 | Primary CDC Case Vehicle - event Number | 1 | Event 1 | more |
| V0530 | Primary CDC Case Vehicle - Impact Speed (kph) | 022 | Impact speed (kph) | more |
| V0531 | Primary CDC Case Vehicle- estimatr | 6 | EDR data | more |
| V0532 | Primary CDC Case Vehicle - Crush (CM) | 057 | Crush measurements in cm | more |
| V0533 | Primary CDC Case Vehicle- clock #1 | 12 | 12 o'clock | more |
| V0534 | Primary CDC Case Vehicle- Letter 1 #1 | 06 | F - Front | more |
| V0535 | Primary CDC Case Vehicle- Letter 2 #1 | 04 | D - Distributed (Side or End) | more |
| V0536 | Primary CDC Case Vehicle- Letter 3 #1 | 05 | E - Everything below belt line | more |
| V0537 | Primary CDC Case Vehicle- Letter 4 #1 | 23 | W - Wide impact area | more |
| V0538 | Primary CDC Case Vehicle Extent #1 | 02 | Extent 2 | more |
| V0539 | Primary CDC - Contacted Vehicles Assoc CDC - CDC #1 | 12FDEW2 | — | — |
| V0540 | Primary CDC Case Vehicle- clock #2 | 98 | Not Applicable | more |
| V0541 | Primary CDC Case Vehicle- Letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V0542 | Primary CDC Case Vehicle- Letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V0543 | Primary CDC Case Vehicle- Letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V0544 | Primary CDC Case Vehicle- Letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V0545 | Primary CDC Case Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V0546 | Primary CDC - Case Vehicle Assoc CDC - CDC #2 | 9800000 | — | — |

| | | | | |
|-------|---|---------|---------------------------------------|----------------------|
| V0547 | Primary CDC Contacted Vehicle - Impact Speed (kph) | 999 | Unknown | more |
| V0548 | Primary CDC Contacted Vehicle-estimator | 1 | Investigator | more |
| V0549 | Primary CDC Contacted Vehicle - Crush (CM) | 999 | Unknown | more |
| V0550 | Primary CDC Contacted Vehicle-clock #1 | 99 | Unknown or no damage | more |
| V0551 | Primary CDC Contacted Vehicle-Letter 1 #1 | 00 | Missing Data/Not applicable | more |
| V0552 | Primary CDC Contacted Vehicle-Letter 2 #1 | 00 | Missing Data/Not applicable | more |
| V0553 | Primary CDC Contacted Vehicle-Letter 3 #1 | 00 | Missing Data/Not applicable | more |
| V0554 | Primary CDC Contacted Vehicle-Letter 4 #1 | 00 | Missing Data/Not applicable | more |
| V0555 | Primary CDC Contacted Vehicle Extent #1 | 00 | Missing Data/Not applicable | more |
| V0556 | primary CDC - Contacted Vehicles Assoc CDC - CDC #1 | 9900000 | — | — |
| V0557 | Primary CDC Contacted Vehicle-clock #2 | 99 | Unknown or no damage | more |
| V0558 | Primary CDC Contacted Vehicle-Letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V0559 | Primary CDC Contacted Vehicle-Letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V0560 | Primary CDC Contacted Vehicle-Letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V0561 | Primary CDC Contacted Vehicle-Letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V0562 | Primary CDC Contacted Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V0563 | Primary CDC - Contacted Vehicles Assoc CDC - CDC #2 | 9900000 | — | — |
| V0564 | Secondary CDC Case Vehicle-event No | 8 | Not applicable | more |
| V0565 | Secondary CDC Case Vehicle - Impact Speed (kph) | 998 | Not Applicable | more |
| V0566 | Secondary CDC Case Vehicle-estimator | 8 | Not applicable (no vehicle/no impact) | more |
| V0567 | Secondary CDC Case Vehicle - Crush (CM) | 998 | Not Applicable | more |

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|-------|---|---------|---------------------------------------|----------------------|
| V0568 | Secondary CDC Case Vehicle-clock #1 | 98 | Not Applicable | more |
| V0569 | Secondary CDC Case Vehicle-Letter 1 #1 | 00 | Missing Data/Not applicable | more |
| V0570 | Secondary CDC Case Vehicle-Letter 2 #1 | 00 | Missing Data/Not applicable | more |
| V0571 | Secondary CDC Case Vehicle-Letter 3 #1 | 00 | Missing Data/Not applicable | more |
| V0572 | Secondary CDC Case Vehicle-Letter 4 #1 | 00 | Missing Data/Not applicable | more |
| V0573 | Secondary CDC Case Vehicle Extent #1 | 00 | Missing Data/Not applicable | more |
| V0574 | Secondary CDC - Case Vehicle Assoc CDC - CDC #1 | 9800000 | — | — |
| V0575 | Secondary CDC Case Vehicle-clock #2 | 98 | Not Applicable | more |
| V0576 | Secondary CDC Case Vehicle-Letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V0577 | Secondary CDC Case Vehicle-Letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V0578 | Secondary CDC Case Vehicle-Letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V0579 | Secondary CDC Case Vehicle-Letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V0580 | Secondary CDC Case Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V0581 | Secondary CDC - Case Vehicle Assoc CDC - CDC #2 | 9800000 | — | — |
| V0582 | Secondary CDC Contacted Vehicle - Impact Speed (kph) | 998 | Not Applicable | more |
| V0583 | Secondary CDC Contacted Vehicle-estimator | 8 | Not applicable (no vehicle/no impact) | more |
| V0584 | Secondary CDC Contacted Vehicle - Crush (CM) | 998 | Not Applicable | more |
| V0585 | Secondary CDC Contacted Vehicle-clock #1 | 98 | Not Applicable | more |
| V0586 | Secondary CDC Contacted Vehicle-Letter 1 #1 | 00 | Missing Data/Not applicable | more |
| V0587 | Secondary CDC Contacted Vehicle-Letter 2 #1 | 00 | Missing Data/Not applicable | more |
| V0588 | Secondary CDC Contacted Vehicle-Letter 3 #1 | 00 | Missing Data/Not applicable | more |

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|-------|--|---------|-----------------------------|----------------------|
| V0589 | Secondary CDC Contacted Vehicle-Letter 4 #1 | 00 | Missing Data/Not applicable | more |
| V0590 | Secondary CDC Contacted Vehicle Extent #1 | 00 | Missing Data/Not applicable | more |
| V0591 | Secondary CDC - Contacted Vehicle Assoc CDC - CDC #1 | 9800000 | — | — |
| V0592 | Secondary CDC Contacted Vehicle-clock #2 | 98 | Not Applicable | more |
| V0593 | Secondary CDC Contacted Vehicle-Letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V0594 | Secondary CDC Contacted Vehicle-Letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V0595 | Secondary CDC Contacted Vehicle-Letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V0596 | Secondary CDC Contacted Vehicle-Letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V0597 | Secondary CDC Contacted Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V0598 | Secondary CDC - Contacted Vehicle Assoc CDC - CDC #2 | 9800000 | — | — |

Crash Reconstruction

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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 | more |
| V0602 | Primary Delta V Case Vehicle - Total Delta V | 034 kph | kph | more |
| V0603 | Primary delta-V Case Vehicle -LONGITUD | -034 | — | — |
| V0604 | Primary delta-V Case Vehicle-Lateral | -006 | — | — |
| V0605 | Primary Delta V Case Vehicle - Energy Dissipated by Crush (k | 0119 | — | — |
| V0606 | Primary Delta-V Case Vehicle-Reconstruction | 22 | Reconstructed, moderate confidence level | more |
| V0607 | Primary Delta-V Case Vehicle- Mode | 2 | CDC & detailed damage | more |
| V0608 | Primary Delta V Contacted | 043 kph | kph | more |

| | | | | |
|-------|--|---------|------------------------------------|----------------------|
| | Vehicle - Total Delta V | | | |
| V0609 | Primary delta-V Contacted Vehicle-LONGITUD | -043 | — | — |
| V0610 | Primary delta-V Contacted Vehicle-Lateral | 0000 | — | — |
| V0611 | Primary delta-V Contacted Vehicle - Energy Dissipated by Cru | 0076 | — | — |
| V0612 | Secondary Delta-V Case Vehicle-event # | 8 | Not applicable | more |
| V0613 | Secondary Delta V Case Vehicle - Total Delta V | 888 | Not applicable | more |
| V0614 | Secondarydelta-V Case Vehicle -LONGITUD | 8888 | — | — |
| V0615 | Secondary delta-V Case Vehicle-Lateral | 8888 | — | — |
| V0616 | Secondary delta-V Case Vehicle - Energy Dissipated by Crush | 8888 | — | — |
| V0617 | Secondary Delta-V Case Vehicle-Reconstruction | 88 | Not applicable | more |
| V0618 | Secondary Delta-V Case Vehicle- Mode | 8 | Not applicable | more |
| V0619 | Secondary Delta V Contacted Vehicle - Total Delta V | 888 | Not applicable | more |
| V0620 | Secondary delta-V Contacted Vehicle-LONGITUD | 8888 | — | — |
| V0621 | Secondary delta-V Contacted Vehicle-Lateral | 8888 | — | — |
| V0622 | Secondary delta-V Contacted Vehicle - Energy Dissipated By C | 8888 | — | — |
| V0623 | Primary EBS Case Vehicle-event # | 1 | Event number 1 | more |
| V0624 | Primary EBS Case Vehicle - Total EBS | 051 kph | kph | more |
| V0625 | Primary EBS Case Vehicle - LONGITUD | -050 | — | — |
| V0626 | Primary EBS Case Vehicle-Lateral | -009 | — | — |
| V0627 | Primary EBS Case Vehicle - Energy Dissipated by Crush (kj) | 0119 | — | — |
| | Primary EBS Case Vehicle- | | Reconstructed, moderate confidence | |

| | | | | |
|-------|---|--------|-----------------------|----------------------|
| V0628 | Reconstruction | 22 | level | more |
| V0629 | Primary EBS Case Vehicle-Mode | 2 | CDC & detailed damage | more |
| V0630 | Primary EBS Contacted Vehicle - Total EBS | 999 | Unknown | more |
| V0631 | Primary EBS Contacted Vehicle-LONGITUD | 9999 | — | — |
| V0632 | Primary EBS Contacted Vehicle-Lateral | 9999 | — | — |
| V0633 | Primary EBS Contact Vehicle - Energy Dissipated by Crush (kj) | 9999 | — | — |
| V0634 | Secondary EBS Case Vehicle-event # | 8 | Not applicable | more |
| V0635 | Secondary EBS Case Vehicle - Total EBS | 888 | Not Applicable | more |
| V0636 | Secondary EBS Case Vehicle -LONGITUD | 8888 | — | — |
| V0637 | Secondary EBS Case Vehicle-Lateral | 8888 | — | — |
| V0638 | Secondary EBS Case Vehicle - Energy Dissipated by Crush (kj) | 8888 | — | — |
| V0639 | Secondary EBS Case Vehicle-Reconstruction | 88 | Not applicable | more |
| V0640 | Secondary EBS Case Vehicle- Mode | 8 | Not applicable | more |
| V0641 | Secondary EBS Contacted Vehicle - Total EBS | 888 | Not Applicable | more |
| V0642 | Secondary EBS Contacted Vehicle-LONGITUD | 8888 | — | — |
| V0643 | Secondary EBS Contacted Vehicle-Lateral | 8888 | — | — |
| V0644 | Secondary EBS Contact Vehicle - Energy Dissipated by Crush (| 8888 | — | — |
| V0645 | Specific Event # Case(1) | 1 | Event number 1 | more |
| V0646 | Plane of Impact Case Vehicle (1) | 5 | Other | more |
| V0647 | Direct Damage Length (DDL) - Case Vehicle (1) | 114 cm | cm | more |
| V0648 | Direct Damage Maximum Crush - Case Vehicle (1) | 057 cm | cm | more |
| | | | | |

| | | | | |
|-------|--|---------|----------------|----------------------|
| V0649 | Direct and Induced Damage Length in CM | 139 cm | cm | more |
| V0650 | Field C1 - Case Vehicle (1) | 007 cm | cm | more |
| V0651 | Field C2 - Case Vehicle (1) | 020 cm | cm | more |
| V0652 | Field C3 - Case Vehicle (1) | 026 cm | cm | more |
| V0653 | Field C4 - Case Vehicle (1) | 034 cm | cm | more |
| V0654 | Field C5 - Case Vehicle (1) | 041 cm | cm | more |
| V0655 | Field C6 - Case Vehicle (1) | 031 cm | cm | more |
| V0656 | Direct Damage D Value = The Center of Direct Damage Offset t | +023 cm | Offset (cm) | more |
| V0657 | Specific Event # Case(2) | 1 | Event number 1 | more |
| V0658 | Plane of Impact Case Vehicle (2) | 5 | Other | more |
| V0659 | Direct Damage Length (DDL) - Case Vehicle (2) | 114 cm | cm | more |
| V0660 | Direct Damage MaximumCrush - Case Vehicle (2) | 057 cm | cm | more |
| V0661 | Direct and Induced Damage Length in CM | 139 cm | cm | more |
| V0662 | Field C1 - Case Vehicle (2) | 007 cm | cm | more |
| V0663 | Field C2 - Case Vehicle (2) | 020 cm | cm | more |
| V0664 | Field C3 - Case Vehicle (2) | 026 cm | cm | more |
| V0665 | Field C4 - Case Vehicle (2) | 034 cm | cm | more |
| V0666 | Field C5 - Case Vehicle (2) | 041 cm | cm | more |
| V0667 | Field C6 - Case Vehicle (2) | 031 cm | cm | more |
| V0668 | Direct Damage D Value = The Center of Direct Damage Offset t | +023 cm | cm | more |
| V0669 | Specific Event # Cont(1) | 1 | Event number 1 | more |
| V0670 | Plane of Impact Contacted Vehicle(1) | 9 | Unknown | more |
| V0671 | Direct Damage Length (DDL) - Contacted Vehicle (1) | 999 | Unknown | more |
| V0672 | Direct Damage Maximum Crush - Contacted Vehicle (1) | 999 | Unknown | more |
| V0673 | Field L - Contacted Vehicle (1) | 999 | Unknown | more |
| | Field C1 - Contacted Vehicle | | | |

| | | | | |
|-------|--|---------|--------------|----------------------|
| V0674 | (1) | 999 | Unknown | more |
| V0675 | Field C2 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0676 | Field C3 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0677 | Field C4 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0678 | Field C5 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0679 | Field C6 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0680 | Direct Damage D Value = The Center of Direct Damage Offset t | +999 cm | offset (cm) | more |
| V0681 | Specific Event # Contacted Vehicle (2) | 1 | Event number | more |
| V0682 | Plane of Impact Contacted Vehicle(2) | 9 | Unknown | more |
| V0683 | Direct Damage Length (DDL) - Contacted Vehicle (2) | 999 | Unknown | more |
| V0684 | Direct Damage Maximum Crush - Contacted Vehicle (2) | 999 | Unknown | more |
| V0685 | Direct and Induced Damage Length in CM | 999 | Unknown | more |
| V0686 | Field C1 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0687 | Field C2 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0688 | Field C3 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0689 | Field C4 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0690 | Field C5 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0691 | Field C6 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0692 | Direct Damage D Value = The Center of Direct Damage Offset t | +999 cm | Offset (cm) | more |

| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|------------------------|--------------------------------------|-------------------|--------------------------------|----------------------|
| V0701 | Left Front Wheel Damaged | 0 | No | more |
| V0702 | Right Front Wheel Damaged | 0 | No | more |
| V0703 | Right Rear Wheel Damaged | 0 | No | more |
| V0704 | Left Rear Wheel Damaged | 0 | No | more |
| V0705 | Left Front Tire Tread Type | 4 | All Weather | more |
| V0706 | Right Front Tire Tread Type | 4 | All Weather | more |
| V0707 | Right Rear Tire Tread Type | 4 | All Weather | more |
| V0708 | Left Rear Tire Tread Type | 4 | All Weather | more |
| V0709 | Left Front Carcass Construction | 3 | Radial | more |
| V0710 | Right Front Carcass Construction | 3 | Radial | more |
| V0711 | Right Rear Carcass Construction | 3 | Radial | more |
| V0712 | Left Rear Carcass Construction | 3 | Radial | more |
| V0713 | Left Front Tire Condition Precrash | 0 | Normal - no pre-crash problems | more |
| V0714 | Right Front Tire Condition Precrash | 0 | Normal - no pre-crash problems | more |
| V0715 | Right Rear Tire Condition Precrash | 0 | Normal - no pre-crash problems | more |
| V0716 | Left Rear Tire Condition Precrash | 0 | Normal - no pre-crash problems | more |
| V0717 | Left Front Tire Condition Postcrash | 0 | Normal - no damage to tire | more |
| V0718 | Right Front Tire Condition Postcrash | 0 | Normal - no damage to tire | more |
| V0719 | Right Rear Tire Condition Postcrash | 0 | Normal - no damage to tire | more |
| V0720 | Left Rear Tire Condition Postcrash | 0 | Normal - no damage to tire | more |
| V0721 | Left Front Tire Involvement | 0 | No | more |
| V0722 | Right Front Tire Involvement | 0 | No | more |
| V0723 | Right Rear Tire Involvement | 0 | No | more |
| V0724 | Left Rear Tire Involvement | 0 | No | more |
| V0725 | Left Front Tire Size | P22560R16 | — | — |
| V0726 | Right Front Tire Size | P22560R16 | — | — |

| | | | | |
|-------|---|-----------|-----------------------------|----------------------|
| V0727 | Right Rear Tire Size | P22560R16 | — | — |
| V0728 | Left Rear Tire Size | P22560R16 | — | — |
| V0729 | Left Front Tire Pressure (recorded in psi) | 25.5 psi | Actual tire pressure in psi | more |
| V0730 | Right Front Tire Pressure (recorded in psi) | 28.5 psi | Actual tire pressure in psi | more |
| V0731 | Right Rear Tire Pressure (recorded in psi) | 19.0 psi | Actual tire pressure in psi | more |
| V0732 | Left Rear Tire Pressure (recorded in psi) | 28.5 psi | Actual tire pressure in psi | more |
| V0733 | Left Front Tread Depth | 07 | 07/32" | more |
| V0734 | Right Front Tread Depth | 07 | 07/32" | more |
| V0735 | Right Rear Tread Depth | 07 | 07/32" | more |
| V0736 | Left Rear Tread Depth | 07 | 07/32" | more |

Case Vehicle Fuel Tank

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|--------------------------|------------|---|----------------------|
| V0801 | Propulsive Fuel Type | 1 | Gasoline | more |
| V0802 | Main Tank Location | 133 | Right of frame laterally - above vertically | more |
| V0803 | Main Filler Cap Location | 113 | Left of frame laterally - above vertically | more |
| V0804 | Main Tank Material | 1 | Steel | more |
| V0805 | Aux Tank Type | 8 | Not applicable (not equipped) | more |
| V0806 | Aux Tank Location | 888 | Not applicable (not equipped) | more |
| V0807 | Aux Filler Cap Location | 888 | Not applicable (not equipped) | more |
| V0808 | Aux Tank Material | 8 | Not applicable | more |

Case Vehicle Fuel Leakage

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

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 | more |
|-------|----------------------------|---|----|----------------------|

Case Vehicle Exterior

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|--|------------|-------------------------------|----------------------|
| V1101 | Hood Latch Released | 0 | No | more |
| V1102 | Hood Latch Damaged | 1 | Yes | more |
| V1103 | Hood Latch Jammed | 1 | Yes | more |
| V1104 | Left Hood Hinge Damaged | 0 | No | more |
| V1105 | Left Hood Hinge Separated | 8 | Not applicable | more |
| V1106 | Right Hood Hinge Damaged | 1 | Yes | more |
| V1107 | Right Hood Hinge Separated | 8 | Not applicable | more |
| V1108 | Hood Remained On Vehicle | 1 | Yes | more |
| V1109 | Rear Hood Edge Elevated | 1 | Yes | more |
| V1110 | Edge Contacted Windshield | 1 | Yes | more |
| V1111 | Edge Penetrated Windshield | 0 | No | more |
| V1112 | Hood Latch Location | 1 | Front of Vehicle | more |
| V1113 | Eng/transmissn Mount Separated | 0 | No | more |
| V1114 | Steering Column Flex Couplng | 9 | Unknown if equipped | more |
| V1115 | Steering Column Coupling Dam | 9 | Unknown | more |
| V1116 | Steering Column Coupling Separated | 9 | Unknown | more |
| V1117 | Eng Comp Telescopng Unit | 88 | Not currently collected | more |
| V1118 | Compartment Unit's Original/telescoped Length Difference | 888 | Not currently collected | more |
| V1119 | Left Side Body Mount Separated | 0 | No | more |
| V1120 | Upper Left A-pillar Sep | 0 | No | more |
| V1121 | Lower Left A-pillar Sep | 0 | No | more |
| V1122 | Upper Left B-pillar Sep | 0 | No | more |
| V1123 | Lower Left B-pillar Sep | 0 | No | more |
| V1124 | Upper Left C-pillar Sep | 0 | No | more |
| V1125 | Lower Left C-pillar Sep | 0 | No | more |
| V1126 | Upper Left D-pillar Sep | 8 | Not applicable (not equipped) | more |
| V1127 | Lower Left D-pillar Sep | 8 | Not applicable (not equipped) | more |

| | | | | |
|-------|---------------------------------|----|-------------------------------|----------------------|
| V1128 | Left Front Door Opening Cause | 00 | Door did not open | more |
| V1129 | Left Rear Door Opening Cause | 00 | Door did not open | more |
| V1130 | Left Front Door Jammed Closed | 0 | No | more |
| V1131 | Left Rear Door Jammed Closed | 0 | No | more |
| V1132 | Van Left Rear Door Type | 8 | Not applicable (not a van) | more |
| V1133 | Left Front Glazing Availability | 2 | Closed | more |
| V1134 | Left Rear Glazing Availability | 2 | Closed | more |
| V1135 | Lr2 Glazing Availability | 1 | Fixed | more |
| V1136 | Left Front Glazing Damage | 0 | No damage | more |
| V1137 | Left Rear Glazing Damage | 0 | No damage | more |
| V1138 | Lr2 Glazing Damage | 0 | No damage | more |
| V1139 | Rear Door Type | 0 | No door (includes pickups) | more |
| V1140 | Rear Door Opening Cause | 8 | Not applicable (no rear door) | more |
| V1141 | Rear Door Jammed Closed | 8 | Not applicable (no rear door) | more |
| V1142 | Rear Glazng Availability | 8 | Not Applicable (No Door) | more |
| V1143 | Rear Glazing Damage | 8 | Not Applicable (No Door) | more |
| V1144 | Luggage Partition Damaged | 0 | No | more |
| V1145 | Spare Tire Status | 8 | Not collected | more |
| V1146 | Trailer Hitch Type | 0 | No hitch | more |
| V1147 | Trailer Type | 0 | No trailer | more |
| V1148 | Rght Side Body Mount Separated | 0 | No | more |
| V1149 | Upper Right A-pillar Separated | 0 | No | more |
| V1150 | Lower Right A-pillar Separated | 0 | No | more |
| V1151 | Upper Right B-pillar Separated | 0 | No | more |
| V1152 | Lower Right B-pillar Separated | 0 | No | more |
| V1153 | Upper Right C-pillar Separated | 0 | No | more |
| V1154 | Lower Right C-pillar Separated | 0 | No | more |
| V1155 | Upper Right D-pillar | 8 | Not applicable (not equipped) | more |

| | | | | |
|-------|----------------------------------|----|---|----------------------|
| | Separated | | | |
| V1156 | Lower Right D-pillar Separated | 8 | Not applicable (not equipped) | more |
| V1157 | Right Front Door Opening Cause | 00 | Door did not open | more |
| V1158 | Right Rear Door Opening Cause | 00 | Door did not open | more |
| V1159 | Right Front Door Jammed Closed | 0 | No | more |
| V1160 | Right Rear Door Jammed Closed | 0 | No | more |
| V1161 | Van Right-rear Door Type | 8 | Not applicable (not a van) | more |
| V1162 | Right Front Glazing Availability | 2 | Closed | more |
| V1163 | Right Rear Glazing Availability | 2 | Closed | more |
| V1164 | Rr2 Glazing Availability | 1 | Fixed | more |
| V1165 | Right Front Glazing Damage | 0 | No damage | more |
| V1166 | Right Rear Glazing Damage | 0 | No damage | more |
| V1167 | Rr2 Glazing Damage | 0 | No damage | more |
| V1168 | Windshield Cracked | 1 | Yes | more |
| V1169 | Windshield Broken | 0 | No Click for Windshield Damage figure | more |
| V1170 | Occupant Cracked/Broke Wndshld | 0 | No | more |
| V1171 | Bond Separation Extent | 0 | None | more |
| V1172 | Windshield Code | 97 | Click for Windshield Mark figure | more |
| V1173 | Did Sun Roof/T-Roof Open | 8 | Not Applicable | more |

Case Vehicle Steering Column/Rim

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|---------------------------------------|------------|------------------|----------------------|
| V1201 | Steering Wheel Rim Damage | 2 | Severely bent | more |
| V1202 | Number of Steering Wheel Spokes | 2 | 2 spokes | more |
| V1203 | Steering Wheel Spoke Damage | 2 | Severely bent | more |
| V1204 | Steering Wheel Hub Damage | 1 | Occupant contact | more |
| V1205 | Steering Wheel Location of Rim Damage | 6 | Other | more |

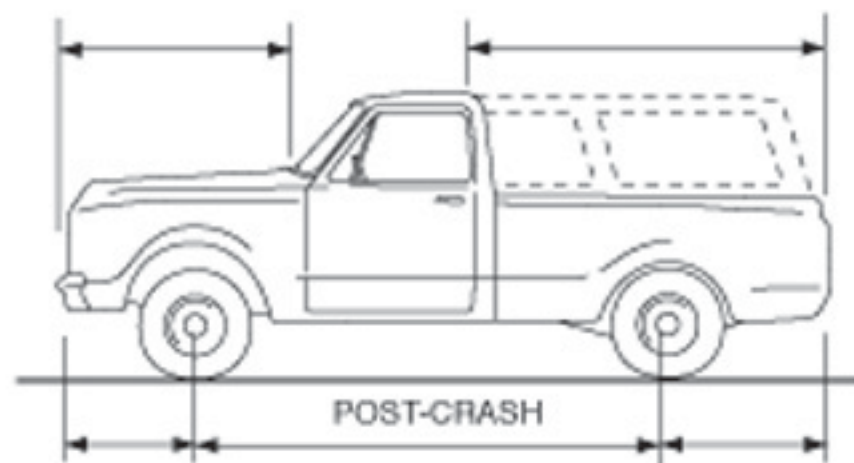
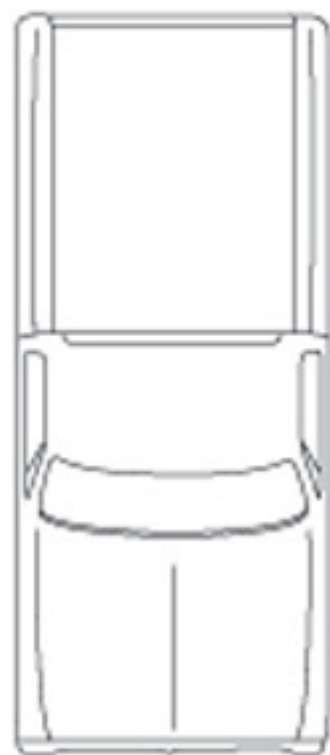
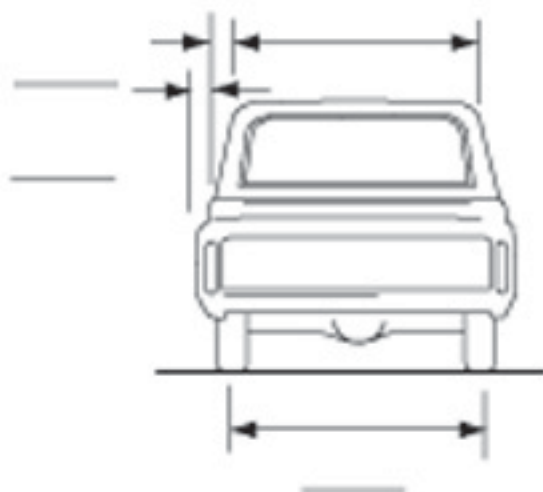
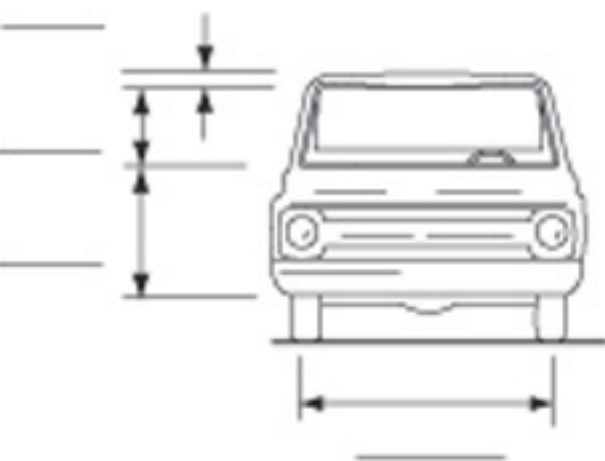
| | | | | |
|-------|---|-----|--------------------------|----------------------|
| V1206 | Aftermarket Add-on Device | 0 | None | more |
| V1207 | Column Tilt Feature | 2 | Up | more |
| V1208 | Column Swing-away Feature | 0 | Not equipped | more |
| V1209 | Column Telescoping Feature | 0 | Not equipped | more |
| V1210 | Wheel Energy Absorb Device | 8 | Not currently collected | more |
| V1211 | Wheel EA Device's original/damage Dimension Difference | 888 | Not collected | more |
| V1212 | Column Energy Absorb Device | 88 | Not collected | more |
| V1213 | Col EA Device's Orig/compressed (or Extruded) Length Diff | 888 | Not collected | more |
| V1214 | Shear Capsule Separation | 888 | Not collected | more |
| V1215 | Column Vertical Rotation | 1 | Upward apparent rotation | more |
| V1216 | Column Lateral Rotation | 2 | Right apparent rotation | more |

Case Vehicle Intrusion

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|-----------------------------------|------------|--|----------------------|
| V1301 | Was Occupant Compartment Intruded | 0 | No Click for Intrusion Worksheet figure Click for Intrusion figure | more |
| V1302 | Was Intrusn Catastrophic | 8 | Not applicable | more |
| V1303 | Intrusion #1 | 99 | Unknown or data not collected | more |
| V1304 | Occupant Space Number(1) | 99 | Unknown or data not collected | more |
| V1305 | Intrud Component/obj (1) | 99 | Unknown or data not collected | more |
| V1306 | Associate Event Numb (1) | 9 | Unknown or data not collected | more |

This vehicle was unavailable for inspection

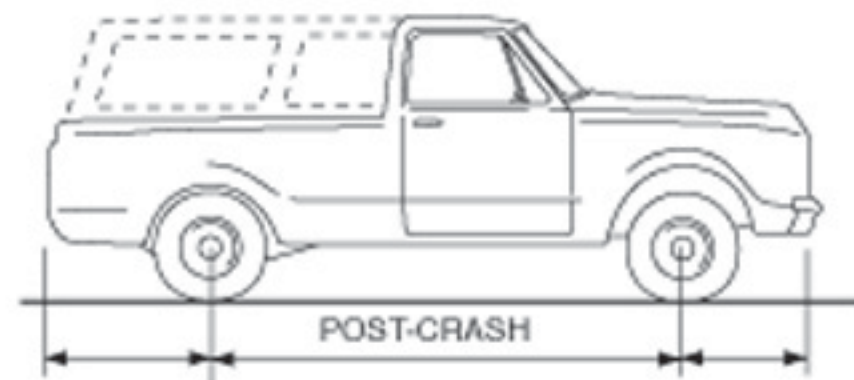


Bumper corner _____

Stringline _____

_____ Bumper corner

_____ Stringline



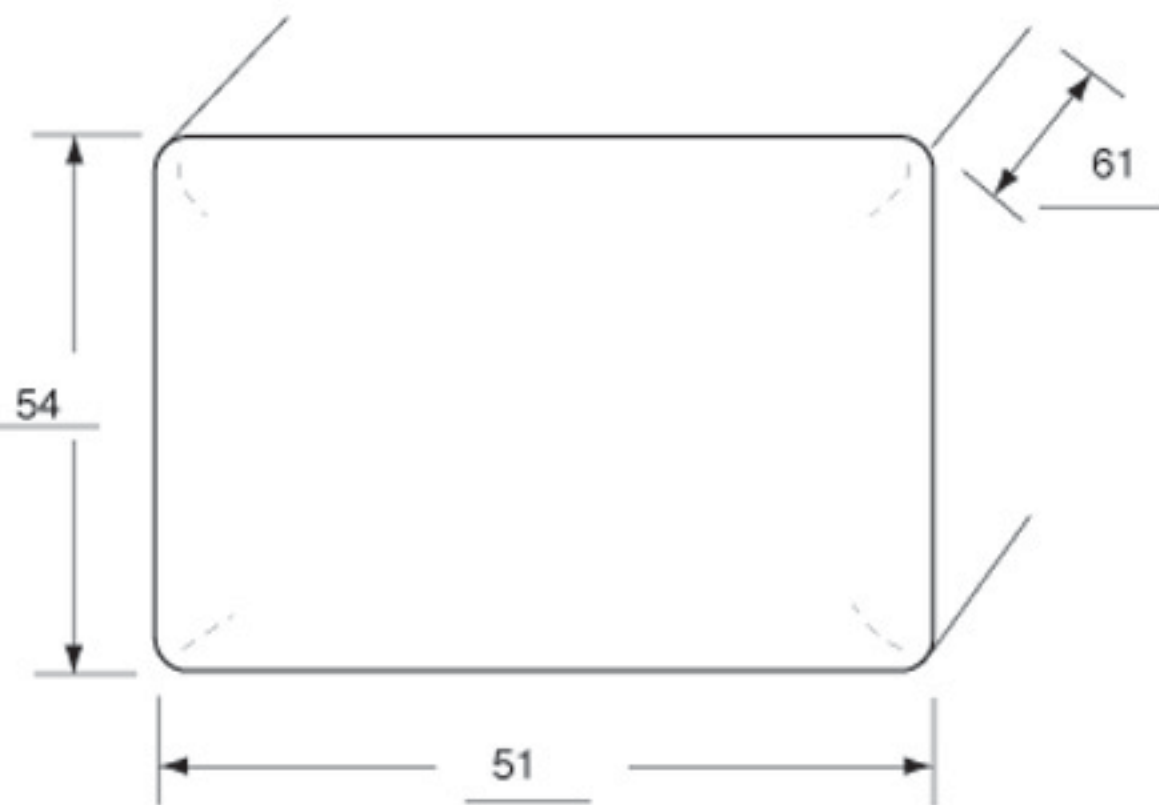
Bumper corner _____

Stringline _____

_____ Bumper corner

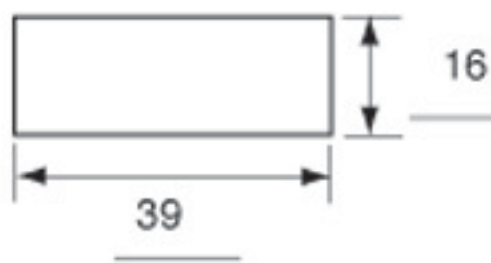
_____ Stringline

Passenger Airbag



Passenger Airbag Doors

Single Door



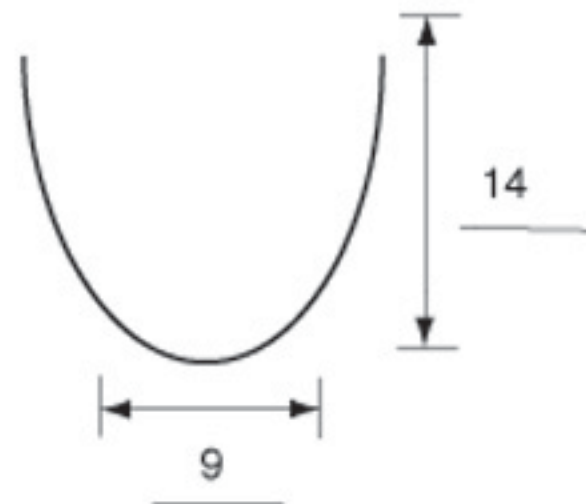
Vents: Y N
if yes, how many: 1
vent at 9 o'clock

Tethers: Y N
if yes, how many: _____

Driver Airbag



AIRBAG DOOR/FLAP



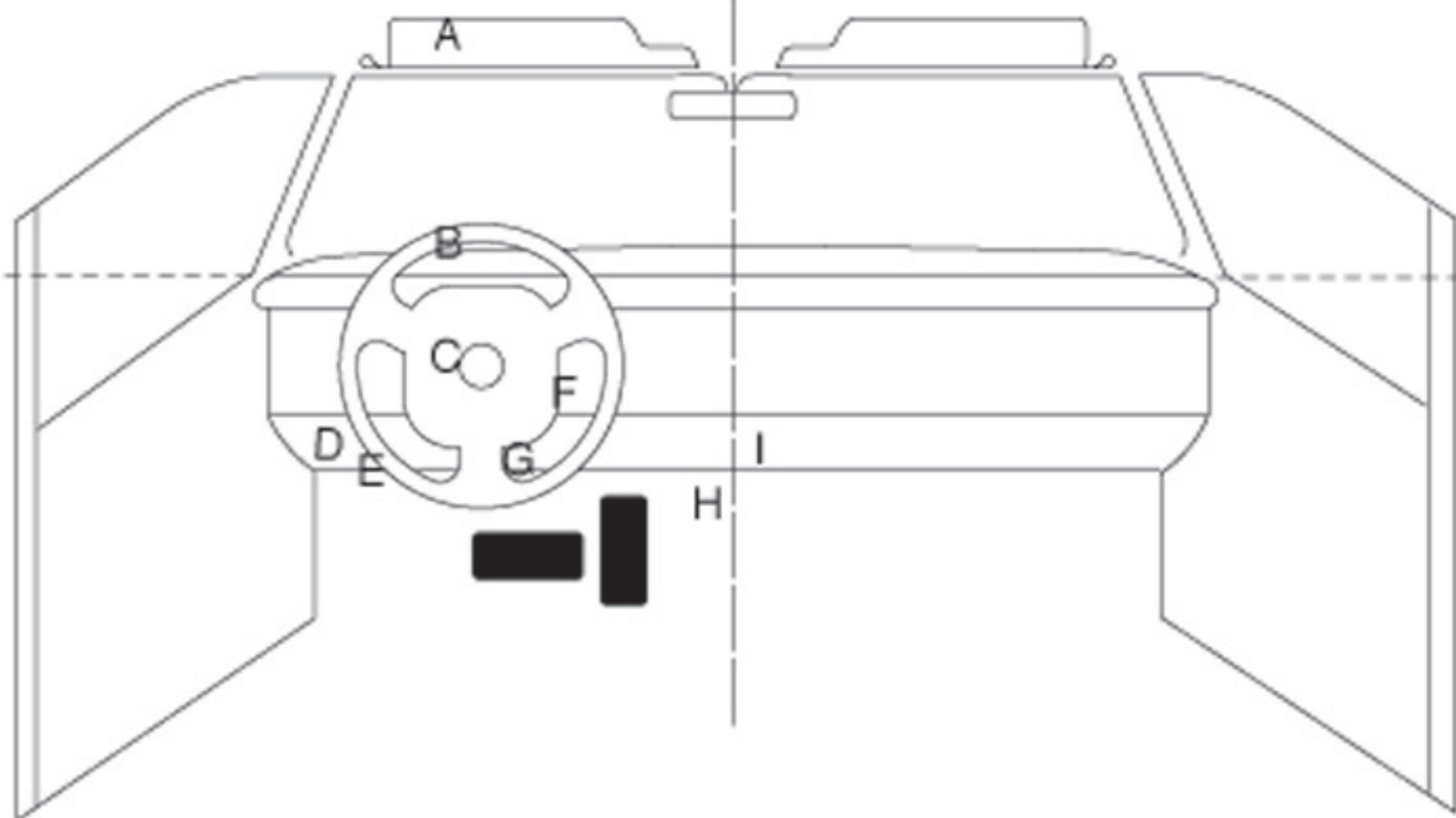
Vents: Y N

if yes, how many: 2

vents at 11 and 1 o'clock

Tethers: Y N

if yes, how many: _____



A = Sunvisor - scuff, hair, and vanity mirror broken

B = Steering wheel rim - cracked, bent

C = Steering wheel spoke - scuff

D = Knee bolster - crack

E = Knee bolster - bent

F = Steering column - scuff

G = Knee bolster - scuff

H = Knee bolster - dented, cracked and displaced forward

I = Ashtray and bracket - broken/bent

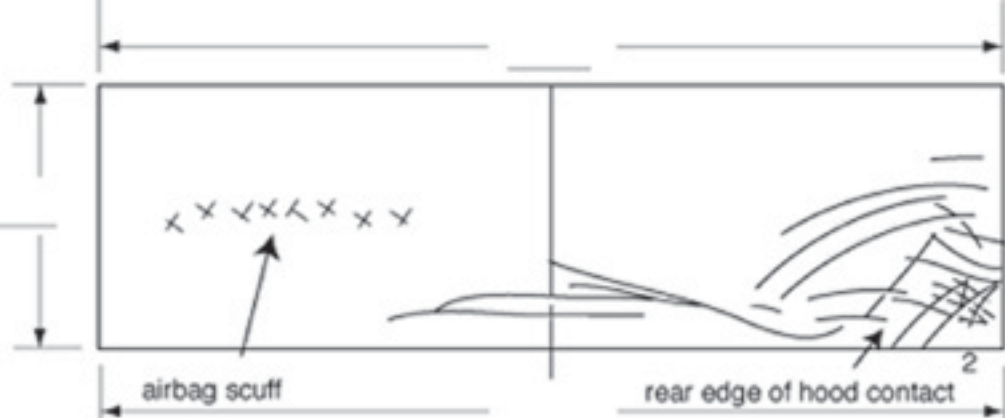
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

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

OCCUPANT CONTACT WORKSHEET

| Contact | Interior Component Contacted | Occupant No. if Known | Body Region if Known | Supporting Physical Evidence | Confidence Level of Contact Point |
|---------|------------------------------|-----------------------|----------------------|---------------------------------------|-----------------------------------|
| A | Sunvisor | Dr | Head | Scuff, hair, and vanity mirror broken | 1 |
| B | Steering-wheel rim | Dr | Chest | Cracked, bent | 1 |
| C | Steering-wheel spoke | Dr | Chest | Scuff | 2 |
| D | Knee bolster | Dr | Lt. LX | Crack | 1 |
| E | Knee bolster | Dr | Lt. LX | Bent | 1 |
| F | Steering column | Dr | Lt. LX | Scuff | 1 |
| G | Knee bolster | Dr | Rt. LX | Scuff | 1 |
| H | Knee bolster | Dr | Rt. knee | Dented, cracked and displaced forward | 1 |
| I | Ashtray & bracket | Dr | Rt. knee | Broken and bent | 1 |



WINDSHIELD MARK ON CASE VEHICLE:



Carlite



SOLAR TINT

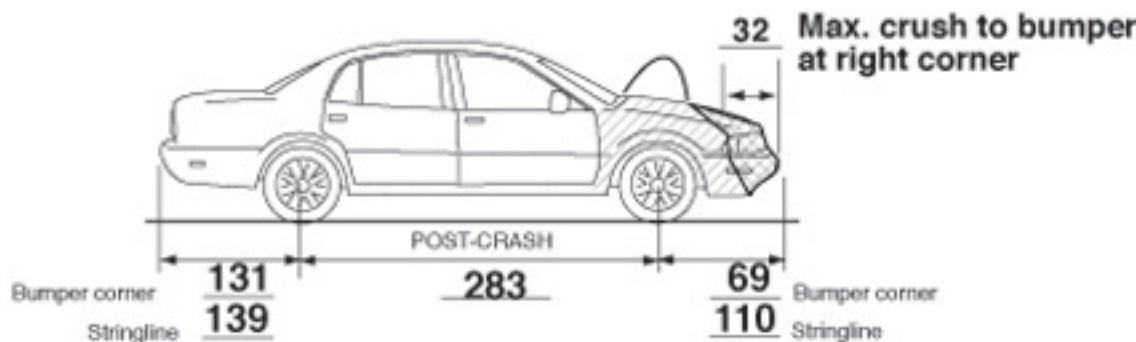
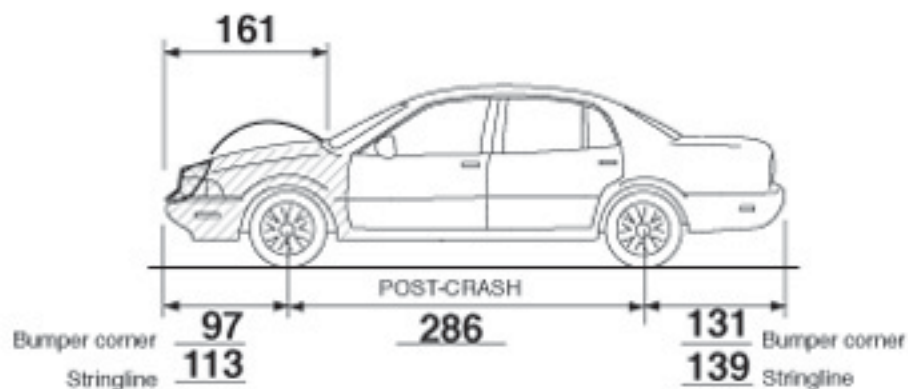
LAMINATED AS-1

DOT-787 VF-M-557 DW 1406

MEASUREMENTS IN CENTIMETERS



Max. crush to right portion of upper radiator support - 57



Width of direct damage to front

























SOFT CIG. ONLY











⚠ 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



BE AWARE OF CELLPHONE SAFETY. CELL PHONE USE WHILE DRIVING IS THE MOST COMMON CAUSE OF ACCIDENTS. PLEASE DO NOT USE YOUR CELLPHONE WHILE DRIVING. IT IS ILLEGAL IN MANY STATES TO DRIVE WHILE USING A CELLPHONE. ALWAYS USE PROPER DRIVING TECHNIQUES AND BE RESPONSIBLE. ALWAYS WEAR YOUR SEATBELT AND PLEASE DON'T DRINK AND DRIVE.







RESUME

SET ACCEL

COAST

OFF

ON















MERCURY
STANLEY
GABRIA
MADE IN U.S.A.
10
11
12
13
14
15
16
17
18
19
20
21















































STOP



