Case 428 : Narrative

Case Vehicle (A): 2002 Chevrolet Type: Monte Carlo LS, 2-door coupe

Driver: 17-year-old male

CDC: 12-FREE-4

SITUATION

<u>1</u> <u>2</u> It was dark and raining, and the asphalt road surface was wet and unlighted as case vehicle (A) was traveling south at an Event Data-Recorded (EDR) speed of 31 mph (50 kph) in the southbound lane of a north-south, two-lane road with a posted speed limit of 55 mph (89 kph). The driver of case vehicle (A) had just negotiated a curve to the left and was approaching <u>3</u> <u>4</u> a straight section of the road over a small bridge when he turned around to locate a cell phone in the back seat. This caused <u>5</u> case vehicle (A) to move to the right and cross over the fog line on the west edge of the road. When the driver turned back to the front, he saw that his vehicle was about to collide with the concrete guardrail of the bridge and tried to steer to the left, but the right front of case vehicle (A) <u>6</u> struck the 67-cm-high guardrail at an EDR-recorded speed of 32 mph (51 kph). Case vehicle (A) was towed from the scene due to damage. The police accident report (PAR) indicates B-level injuries for the driver of case vehicle (A), who was transported to a local hospital where he was treated and released.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

 $\frac{7}{2}$ Damage to the right front of case vehicle (A) was severe. Direct damage began at the right-front bumper corner and extended 20-cm to the left, resulting in 17% vehicle overlap (%VOL). $\frac{8}{2}$ The maximum rearward crush occurred at the right-front corner and was 17 cm at bumper level and 46 cm above the bumper. Direct damage also extended 101-cm rearward along the right fender.

Using the WinSMASH crash-reconstruction program and $\underline{891011}$ crush profiles for case vehicle (A) measured at the bumper and above the bumper, the following impact severity was estimated:

| | | Estimated Velocity Change - kph (mph) | | | |
|------------------|----------|---------------------------------------|-----------|----------|--|
| Vehicle | Variable | Total Longitudinal Latitudinal | | | |
| Case Vehicle (A) | delta V | 43 (27) | -41 (-26) | -11 (-7) | |

Case vehicle (A) was equipped with an Event Data Recorder (EDR) that recorded both deployment and non-deployment events, but the latter was not related to this crash. The EDR data indicate that the driver seatbelt was unbuckled, that the brakes were applied with the throttle at 0%, and that the vehicle speed was 31 mph (50 kph) at five seconds before airbag deployment. At four seconds before airbag deployment, the brake switch was deactivated and the vehicle speed was 32 mph (51 kph), and both remained unchanged until impact. The data indicate that the maximum longitudinal velocity change during the impact was -31 mph (-50 kph).

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

12 In the front, the right half of the bumper cover was torn and separated from its attachments and the right side of the grille was damaged. The right headlight assembly was crushed rearward but there was no damage to the left headlight assembly. 13 14 15 16 17 18 The right-front portion of the hood was crushed rearward, the middle of the hood was bowed up, and the rear edge of the hood was elevated but it did not contact the windshield. 19 20 There was a spider-web crack in the windshield just to the left of center from an internal contact, which caused the glazing in this area to bulge out.

On the right side, direct damage extended 101-cm rearward from the right-front bumper corner. $21\ 22\ 23\ 24$ The fender and the right-front wheel were crushed rearward, the wheel was rotated out at about 45 degrees, the inside and outside of the wheel rim were bent, and there was a 15-cm decrease in the right wheelbase. $25\ 26$ The right-front door was jammed shut, the upper section of the door was displaced to the right, and 27 there was slight buckling of the roof siderail above the B-pillar. $28\ 29$ There was no other damage to the right side.

30 There was no damage to the rear of case vehicle (A). 31 32 On the left side, there was no damage and there was no significant change in the left wheelbase.

Interior

33 This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags and both deployed in the narrow-frontal impact with the concrete bridge rail. $34\ 35\ 36$ In the driver area, there was no damage to the steering-wheel airbag or to the module cover. The top of the steering-wheel rim was slightly deformed but there was no damage to the spokes or to the hub, and there was no rotation of the steering column. The plastic cover to the upper section of the instrument panel in the driver area was displaced up due to deployment of the steering-wheel airbag and $37\ 38$ there was a spider-web crack with hair in the cracks in the upper section of the windshield to the right of the steering wheel. $39\ 40\ 41\ 42$ There was no other damage in the driver area.

<u>43</u> <u>44</u> In the center-front area, there were cracks in the windshield emanating from the spider-web crack, the rearview mirror was detached from the windshield mount and hanging by the electrical cable, and the mirror was cracked. The plastic cover to the upper section of the instrument panel was displaced up due to deployment of the dash-mounted airbag and the air vent above the radio was damaged. 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 but the plastic cover to the upper section of the dashboard was displaced up from airbag deployment. There were a few cracks in the windshield emanating from the spider-web crack in the driver area, but 45 46 47 there was no other damage in the right-front area.

<u>48</u> <u>49</u> There was no damage in the rear interior of the vehicle and there were no intrusions of vehicle components into the occupant space of case vehicle (A).

OCCUPANT KINEMATICS AND INJURIES

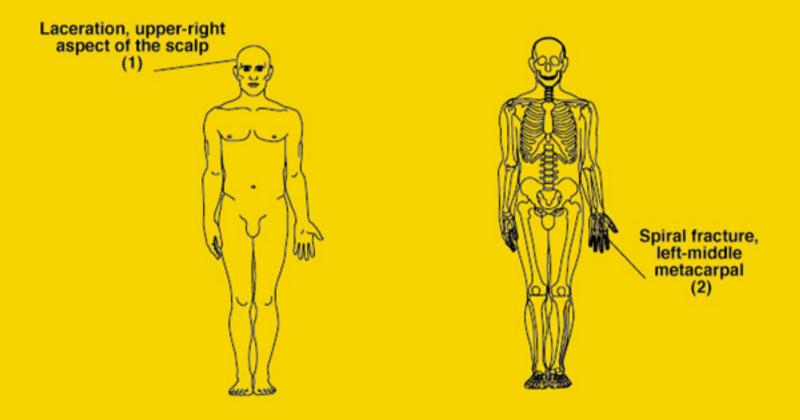
50 The 180-cm, 66-kg (5-ft 11-in, 145-lb) 17-year-old male driver was **not** using the three-point belt and

the steering-wheel airbag deployed during the frontal impact. $51\ 52$ There was no evidence of belt use on the continuous loop and the driver stated that he was not using the seatbelt. Just prior to the impact, the driver may have been leaning slightly to the right, having just turned around from reaching for a cell phone in the rear seat. During the frontal impact, he moved forward relative to the interior of the vehicle, into and over the airbag. He sustained a spiral fracture to the left-middle metacarpal, probably from contact by the deploying airbag or possibly from contact with the steering-wheel rim. He sustained a laceration to the upper-right aspect of the scalp due to head contact with the windshield.

The following table and 53 attached drawing summarize the injuries sustained by the unbelted driver of case vehicle (A).

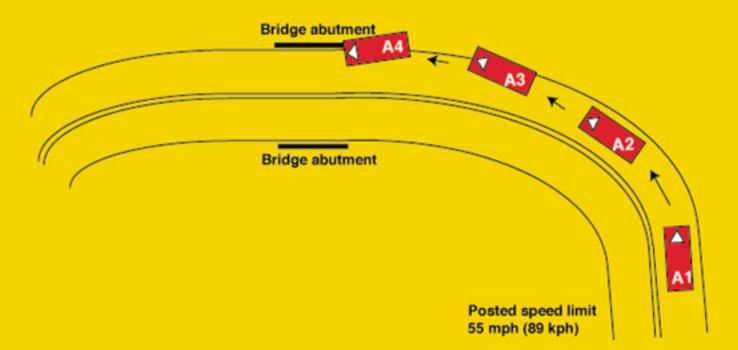
| Occupant: Driver | Age: 17 | Age: 17 years | | Gender: Male | |
|---|---|---------------|-----------|---------------|---------------------------|
| Restraints: Steering-wheel airbag | Stature: 180 cm (5 ft, 11 in) Mass: 66 kg (145 lb) | | | 5 lb) | |
| Injury Description | A.I.S. | | In | Injury Source | |
| | | | Definite | Probable | Possible |
| Spiral fracture, left-middle metacarpal | | 2 | | Airbag | Steering- wheel rim |
| Laceration, upper-right aspect of the scalp | | 1 | Windshiel | — lt | |
| Maximum A.I.S. Level | | 2 | | | |
| Injury Severity Score | | 5 | | | |

CASE NO.: 428 CASE VEHICLE: 2002 Chevrolet TYPE: Monte Carlo LS, 2-door coupe OCCUPANT: (Driver) 17-year-old male STATURE: 180 cm (5 ft, 11 in) MASS: 66 kg (145 lb) RESTRAINTS: Steering-wheel airbag SEVERITY: MAIS - 2 ISS - 5



Case No.: 428 Case Vehicle (A): 2002 Chevrolet Type: Monte Carlo LS, 2-door coupe Driver: 17-year-old male Light Conditions: Dark, unlighted Weather: Rain Road Surface: Wet Road Construction: Asphalt





Vehicle Report

Click on Section Name to jump directly to that Section —

- General Conditions
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- Case Vehicle General
- <u>Case Vehicle Damage Description</u>
- Crash Severity
- Case Vehicle Tires & Rims
- Case Vehicle Fuel, Tank, Fire
- <u>Case Vehicle Exterior</u>
- Case Vehicle Steering Column/Rim
- <u>Case Vehicle Intrusion</u>
- <u>Case Vehicle Airbag(s)</u>
- Case Vehicle Interior
- <u>Case Vehicle Seats</u>

General Conditions

| Variable Number and Name | Code Value | Code Description | Other Options | |
|---|------------|-------------------|------------------|--|
| V206 — Urban/Rural Area | 2 | Rural | 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 | 2 | Curve | more | |
| V215 — Surface Covering | 22 | Water - wet | more | |
| V216 — Visibility Limitation | 0 | None | more | |
| V217 — Visibility Obstruction | 0 | None | more | |
| V218 — Speed Limit | 6 | 86-90 km/h 55 mph | more | |
| V219 — Precipitation Type | 1 | Rain | more | |
| V220 — Precipitation Rate | 9 | Unknown | more | |
| V221 — Temperature | 9 | Unknown | more | |

| V222 — Crosswind | 9 | Unknown | more |
|--|----|-------------------------------|------|
| V223 — Light Conditions | 5 | Dark, unlighted | more |
| V224 — Mechanical Malfunction Mention | 0 | No | more |
| V225 — Case Vehicle and Object | 1 | Yes | more |
| V226 — Case Vehicle Rollover | 0 | No | more |
| V227 — Case Vehicle Ran Off Roadway | 1 | Yes | more |
| V228 — Moving Case Vehicle/Contacted Moving Vehicle | 0 | No | 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 | 0 | 0 vehicles | 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

| Variable Number and Name | Code Value | Code Description | Other Options |
|--|------------|------------------|------------------|
| V301 — Other Vehicle VIN | none | | |
| V302 — Other Vehicle Manufacturer/Body Code | 99898 | | |
| V303 — Other Vehicle Manufacturer | 998 | No Other Vehicle | more |
| V304 — Other Vehicle Body Code | 98 | No Other Vehicle | more |
| V305 — Other Vehicle Make/Model | 0000 | No other vehicle | more |
| V306 — Other Vehicle Model Year | 9999 | No other vehicle | more |
| V307 — Other Vehicle Mass | 999998 | No other vehicle | more |
| V308 — Other Vehicle Number | 8 | No other vehicle | more |
| V309 — Other Vehicle Number of Occupants | 98 | No other vehicle | more |
| V310 — Other Vehicle Traveling Speed | 999 | Unknown | more |
| | | | |

| V311 — Highest Police Injury Severity | 8 | Unoccupied Vehicle | more |
|--|--------------|---------------------------|------|
| V312 — Other Vehicle Type | 98 | No Other Vehicle | more |
| V313 — Other Vehicle Wheelbase (cm) | 998 | No other vehicle | more |
| V314 — Average Track Width | 999 | Unknown | more |
| V315 — Overall Length | 999 | Unknown | more |
| V316 — Overall Width (OAW) | 999 | Unknown | more |
| V317 — Front Overhang (FOH) | 999 | Unknown | more |
| V318 — Rear Overhang (ROH) | 999 | Unknown | more |
| V319 — Undeformed End Width (UEW) | 999 | Unknown | more |
| V320 — Engine Displacement | 9.9 <i>l</i> | — | |
| V321 — Engine: Number of Cylinders | 99 | Unknown | more |
| 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

| Variable Number and Name | Code Value | Code Description | Other Options | |
|---------------------------------------|--------------|--|------------------|--|
| V401 — VIN | 2G1WW12E1291 | _ | | |
| V402 — Manufacturer/Body Code | 11329 | — | | |
| V403 — Vehicle Manufacturer | 113 | Chevrolet | more | |
| V404 — Vehicle Body Code | 29 | — | | |
| V405 — Make/Model Code | 0151 | Monte Carlo | more | |
| V406 — Model Year | 2002 | _ | | |
| V407 — Vehicle Mass | 001516 kg | — | | |
| V408 — Odometer Reading | 888888 | — | | |
| V409 — Number of Occupants | 01 | — | | |
| V410 — Traveling Speed | 050 kph | _ | | |
| V411 — Body Type | 12 | 2-door sedan or coupe (any upper B-pillar) | more | |
| V412 — Stolen Vehicle | 8 | Not currently collected | more | |
| V413 — Body Structure | 2 | Unitized | more | |
| V414 — Transmission Type | 1 | Automatic | more | |
| V415 — Transmission Lever Location | 2 | Console | 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 | 2 | Front 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 | 1 | Solid | more |
| V426 — Wheelbase | 281 cm | | |
| V427 — Anti-lacerative Glass | 0 | None | more |
| V428 — Average Track Width | 157 cm | | |
| V429 — Overall Length | 502 cm | | |
| V430 — Overall Width (OAW) | 184 cm | | |
| V431 — Front Overhang | 111 cm | | |
| V432 — Rear Overhang | 113 cm | | |
| V433 — Undeformed End Width (UEW) | 160 cm | | _ |
| V434 — Engine Displacement | 3.4 <i>l</i> | | — |
| V435 — Engine: Number of Cylinders | 06 | | |
| V436 — Direct Damage Length (DDL) | 020 cm | _ | |
| V437 — Front End Overlap % (FEO) | 13 | | — |
| V438 — Vehicle Overlap % (VOL) | 17 | — | |

Case Vehicle Damage Description

| Variable Number and Name | Code Value | Code Description | Other Options |
|-----------------------------------|------------|-------------------------------|------------------|
| V501 — Maximum Crush - Front | 046 cm | — | |
| V502 — Maximum Crush - Right Side | 000 cm | No crush (or less than 1 cm.) | more |
| V503 — Maximum Crush - Rear | 000 cm | No crush (or 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 | 2 | Shoulder/Median/Gore | more |
| V509 — Event 1 Impact Configuration | 17 | FRONT of case veh - object | more |
| V510 — Event 1 Object/Vehicle Contacted | 88 | Abutment, retaining wall | 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 |
| V525 — Event 6 Object/Vehicle Contacted | 00 | No 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 | 051 | | |
| V531 — Primary CDC Case Vehicle - Estimated By | 7 | Other | more |
| V532 — Primary CDC Case Vehicle -crush | 046 | | |

| 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 | 04 | Extent 4 | more |
| V539 — Primary CDC Case Vehicle -CDC #1 | 12FREE4 | | |
| 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 applicable | more |
| V546 — Primary CDC Case Vehicle -CDC #2 | 9800000 | _ | |
| V547 — Primary CDC Contacted Vehicle - Impact Speed | 998 | Not Applicable | more |
| V548 — Primary CDC Contacted Vehicle - Estimated By | 8 | Not applicable (no vehicle/no impact) | more |
| V549 — Primary CDC Contacted Vehicle - crush | 998 | Not Applicable | more |
| V550 — Primary CDC Contacted Vehicle - clock #1 | 98 | Not Applicable | 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 | 9800000 | | |
| 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 Speed | 998 | Not 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 | 00 | Missing Data/Not | more |

| 3 #2 | | applicable | |
|--|---------|---------------------------------------|------|
| 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 |
| V583 — Secondary CDC Contacted Vehicle - Estimated By | 8 | Not 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 | | |

Crash Severity

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Variable

| Number and Name | Code Value | Code Description | Other Options |
|---|------------|--|------------------|
| V601 — Case Vehicle Primary Impact Number | 1 | | |
| V602 — Primary Impact Total Delta-V | 043 kph | | |
| V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V | -041 kph | | |
| V604 — Primary Case Vehicle Reconstructed Lateral Delta- V | -011 kph | | |
| V605 — Primary Case Vehicle Reconstructed Crush Energy | 0112 kJ | | |
| V606 — Primary Impact Case Vehicle - reconstuction | 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 | 888 | N/A | more |
| V609 — Primary Contacted | 8888 | | |

| Vehicle Reconstructed Longitudinal Delta-V | | — | _ |
|---|------|-----|------|
| V610 — Primary Contacted Vehicle Reconstructed Lateral Delta- V | 8888 | | _ |
| V611 — Primary Contacted Vehicle Reconstructed Crush Energy | 8888 | | |
| 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 Reconstruction | 88 | | |

| 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 | 043 kph | | |
| V625 — Primary Case Vehicle Reconstructed Longitudinal EBS | -041 kph | | |

| V626 — Primary Case Vehicle Reconstructed Lateral EBS | -011 kph | | _ |
|--|----------|--|------|
| V627 — Primary Case Vehicle Reconstructed Crush Energy | 0112 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 | 888 | N/A | more |
| V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS | 8888 | | |
| V632 — Primary Contacted Vehicle Reconstruction Lateral EBS | 8888 | | |
| V633 — Primary Contacted Vehicle Reconstruction Crush Energy | 8888 | | |
| V634 — Case Vehicle Secondary | 8 | Not applicable | more |

| Impact Number | | | |
|--|------|----------------|------|
| 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 — | 8888 | | |

| Secondary Contacted Vehicle Reconstruction Lateral EBS | | | |
|---|--------|----------|------|
| 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] | 020 cm | | |
| V648 — Case Vehicle Impact 1 Max Crush | 046 cm | | _ |
| V649 — Case Vehicle Impact 1 Field-L | 135 cm | _ | _ |
| V650 — Case Vehicle Impact 1 C1 | 000 cm | No Crush | more |
| V651 — Case Vehicle Impact 1 C2 | 000 cm | No Crush | more |
| V652 — Case Vehicle Impact 1 C3 | 000 cm | No Crush | more |
| V653 — Case Vehicle Impact 1 C4 | 005 cm | _ | |
| V654 — Case Vehicle | 003 cm | | |

| Impact 1 C5 | | | |
|--|---------|----------------|------|
| V655 — Case Vehicle Impact 1 C6 | 017 cm | | _ |
| V656 — Case Vehicle Impact 1 +/- D | 0000 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 Vehicle | 998 | Not applicable | more |

| Impact 2 C6 | | | |
|---|------|---------|------|
| V668 — Case Vehicle Impact 2 +/- D | 9998 | | _ |
| V669 — Other Vehicle Reconstructed Impact Number | | Unknown | more |
| 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 Vehicle | 9999 | | |

| Impact 1 +/- D | | | |
|---|------|---------|------|
| V681 — Other Vehicle Reconstructed Impact Number | | Unknown | more |
| V682 — Other Vehicle Impact 2 Plane | 9 | Unknown | more |
| V683 — Other Vehicle Impact 2 Direct Damage Length [DDL] | 999 | Unknown | more |
| V684 — Other Vehicle Impact 2 Max Crush | 999 | Unknown | more |
| V685 — Other Vehicle Impact 2 Field-L | 999 | Unknown | more |
| V686 — Other Vehicle Impact 2 C1 | 999 | Unknown | more |
| V687 — Other Vehicle Impact 2 C2 | 999 | Unknown | more |
| V688 — Other Vehicle Impact 2 C3 | 999 | Unknown | more |
| V689 — Other Vehicle Impact 2 C4 | 999 | Unknown | more |
| V690 — Other Vehicle Impact 2 C5 | 999 | Unknown | more |
| V691 — Other Vehicle Impact 2 C6 | 999 | Unknown | more |
| V692 — Other Vehicle Impact 2 +/- D | 9999 | | |

Case Vehicle Tires & Rims

Back to Top

| 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 | P22560R169 | — | |
| V718 — Right Front Tire Size | P22560R169 | | |
| V719 — Right Rear Tire Size | P22560R169 | | |
| V720 — Left Rear Tire Size | P22560R169 | — | |

Case Vehicle Fuel, Tank, Fire

| Variable Number and Name | Code Value | Code Description | Other Options |
|---------------------------------|------------|---|------------------|
| V801 — Propulsive Fuel Type | 1 | Gasoline | more |
| V802 — Main Tank Location | | Within frame/centered laterally - within vertically | more |
| V803 — Main Filler Cap Location | | 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 | 888 Not applicable (not equipped) | |
| 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

| Variable Number and 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 | 0 | No | more |
| V1104 — Left Hood Hinge Damaged | 1 | Yes | more |
| V1105 — Left Hood Hinge Separated | 0 | No | 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 | 8 | Not applicable (unitized) | more |
| V1120 — Upper Left A-pillar Separation | 0 | No | more |
| V1121 — Lower Left A-pillar | 0 | No | more |

| Separation | | | |
|---|----------|------------------------------------|------|
| V1122 — Upper Left B-pillar | 0 | No | more |
| Separation | | | more |
| V1123 — Lower Left B-pillar | 0 | No | more |
| Separation | | | |
| V1124 — Upper Left C-pillar | 0 | No | more |
| Separation | <u> </u> | | |
| V1125 — Lower Left C-pillar Separation | 8 | Not applicable (not equipped) | 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 | 0 | No door (includes pickups) | more |
| V1133 — Rear Door Opening Cause | 8 | Not applicable (no rear door) | more |
| V1134 — Rear Door Jammed Closed | 8 | Not applicable (no rear door) | 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 | 8 | Not applicable (unitized) | more |
| V1140 — Upper Right A-pillar Separation | 0 | No | more |
| V1141 — Lower Right A-pillar Separation | 0 | No | 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 | 8 | Not applicable (not equipped) | more |

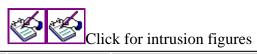
| V1146 — Upper Right D-pillar Separation | 8 | Not applicable (not equipped) | more |
|---|---|-------------------------------------|------|
| V1147 — Lower Right D-pillar Separation | 8 | Not applicable (not equipped) | more |
| V1148 — Right Front Door Opening Cause | 00 | Door did not open | more |
| V1149 — Right Rear Door Opening Cause | 98 | Not applicable (no right rear door) | more |
| V1150 — Right Front Door Jammed Closed | 1 | Yes | 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 | <u>Click</u> for windshield damage figure | Yes | more |
| V1154 — Windshield Broken | 0 | No | more |
| V1155 — Windshield Cracked or Broken by Occupant | 1 | Yes | more |
| V1156 — Bond Separation Extent | 0 | None | more |
| V1157 — Windshield Code | Click for windshield code figure | | |
| V1158 — Did Sun/T Roof Open | 8 | Not Applicable | more |

Case Vehicle Steering Column/Rim

| Variable Number and Name | Code Value | Code Description | Other Options |
|--|------------|-------------------|------------------|
| V1201 — Steering Wheel Rim Damage | 1 | Deformed slightly | more |
| V1202 — Number of Steering Wheel Spokes | 3 | 3 spokes | more |
| V1203 — Steering Wheel Spoke Damage | 0 | None | more |
| V1204 — Column Tilt Feature | 4 | Lower | 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



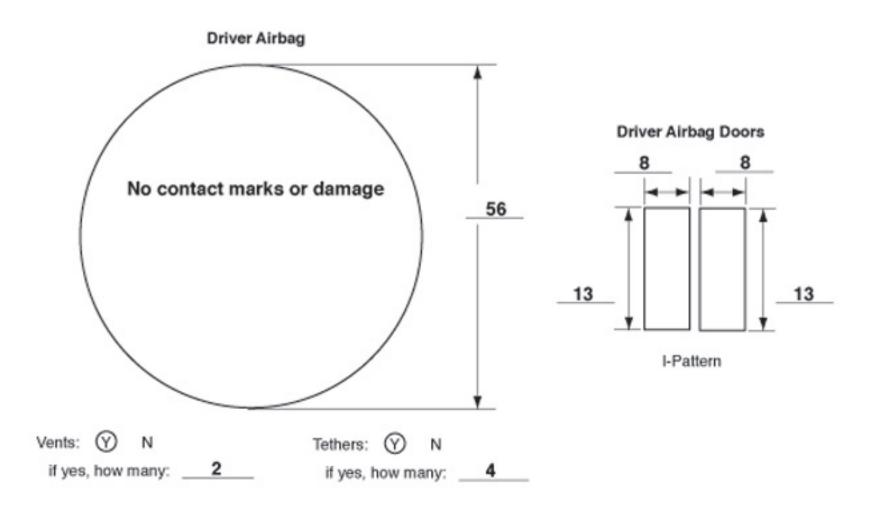
| Code Value | | Other |
|------------|---|--|
| | Code Description | Other Options |
| 0 | No | more |
| 8 | Not applicable | more |
| 00 | No Intrusion, None | more |
| 00 | No Intrusion, None | more |
| 00 | No Intrusion, None | more |
| 0 | No Intrusion, None | more |
| 00 cm | 0 cm or No Intrusion | more |
| 00 cm | 0 cm or No Intrusion | more |
| 00 cm | 0 cm or No Intrusion | more |
| 00 | No contact or no intrusion | more |
| 00 | No injury or no intrusion | more |
| | 8 00 00 00 00 00 cm 00 cm 00 cm 00 cm | No8Not applicable00No Intrusion, None00No Intrusion, None00No Intrusion, None0No Intrusion, None0Ocm or No Intrusion00 cm0 cm or No Intrusion |

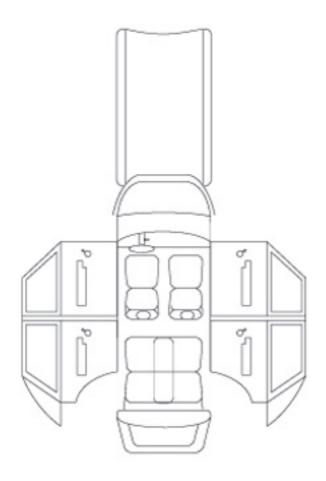
| V1312 — Intrusion 01 Occupant Number | 00 | ⁰⁰ No contact or no intrusion | |
|---|-------|--|------|
| V1313 — Intrusion 01 Injury Number | 99 | Contact, injury unknown or data not collected | more |
| V1314 — Intrusion Number 02 | 00 | No Intrusion, None | more |
| V1315 — Intrusion 02 Occupant Space Number | 00 | No Intrusion, None | more |
| V1316 — Intrusion 02 Intruding Object | 00 | No Intrusion, None | more |
| V1317 — Intrusion 02 Assoc Event Number | 0 | No Intrusion, None | more |
| V1318 — Intrusion 02 Max Intrusion X-axis | 00 Cm | 0 cm or No Intrusion | more |
| V1319 — Intrusion 02 Max Intrusion Y-axis | 00 Cm | 0 cm or No Intrusion | more |
| V1320 — Intrusion 02 Max Intrusion Z-axis | 00 Cm | 0 cm or No Intrusion | more |
| V1321 — Intrusion 02 Occupant Number | 00 | No contact or no intrusion | more |
| V1322 — Intrusion 02 Injury Number | 00 | No injury or no intrusion <u>mo</u> | |
| V1323 — Intrusion 02 Occupant Number | 00 | No contact or no intrusion | more |
| V1324 — Intrusion 02 Injury Number | 99 | Contact, injury unknown or data more collected | |
| V1325 — Intrusion Number 03 | 00 | No Intrusion, None | |
| V1326 — Intrusion 03 Occupant Space Number | 00 | No Intrusion, None | more |
| V1327 — Intrusion 03 Intruding Object | 00 | No Intrusion, None | more |
| V1328 — Intrusion 03 Assoc Event Number | 0 | No Intrusion, None | more |
| V1329 — Intrusion 03 Max Intrusion X-axis | 00 Cm | 0 cm or No Intrusion | more |
| V1330 — Intrusion 03 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1331 — Intrusion 03 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1332 — Intrusion 03 Occupant Number | 00 | No contact or no intrusion | more |
| V1333 — Intrusion 03 Injury Number | 00 | No injury or no intrusion | more |
| V1334 — Intrusion 03 Occupant Number | 00 | No contact or no intrusion | more |
| | 99 | Contact, injury unknown or data | |

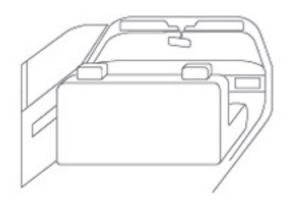
| V1335 — Intrusion 03 Injury Number | 00 | not collected | more |
|---|-------|---|------|
| V1336 — Intrusion Number 04 | | No Intrusion, None | more |
| V1337 — Intrusion 04 Occupant Space Number | 00 | No Intrusion, None | more |
| V1338 — Intrusion 04 Intruding Object | 00 | No Intrusion, None | more |
| V1339 — Intrusion 04 Assoc Event Number | 0 | No Intrusion, None | more |
| V1340 — Intrusion 04 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1341 — Intrusion 04 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1342 — Intrusion 04 Max Intrusion Z-axis | 00 Cm | 0 cm or No Intrusion | more |
| V1343 — Intrusion 04 Occupant Number | 00 | No contact or no intrusion | more |
| V1344 — Intrusion 04 Injury Number | 00 | No injury or no intrusion | more |
| V1345 — Intrusion 04 Occupant Number | 00 | No contact or no intrusion | more |
| V1346 — Intrusion 04 Injury Number | 99 | Contact, injury unknown or data not collected | more |
| V1347 — Intrusion Number 05 | 00 | No Intrusion, None | more |
| V1348 — Intrusion 05 Occupant Space Number | 00 | No Intrusion, None | more |
| V1349 — Intrusion 05 Intruding Object | 00 | No Intrusion, None | more |
| V1350 — Intrusion 05 Assoc Event Number | 0 | No Intrusion, None | more |
| V1351 — Intrusion 05 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1352 — Intrusion 05 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1353 — Intrusion 05 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1354 — Intrusion 05 Occupant Number | 00 | No contact or no intrusion | more |
| V1355 — Intrusion 05 Injury Number | 00 | No injury or no intrusion | more |
| V1356 — Intrusion 05 Occupant Number | 00 | No contact or no intrusion | more |
| V1357 — Intrusion 05 Injury Number | 99 | Contact, injury unknown or data not collected | more |
| V1358 — Intrusion Number 06 | 00 | No Intrusion, None | more |

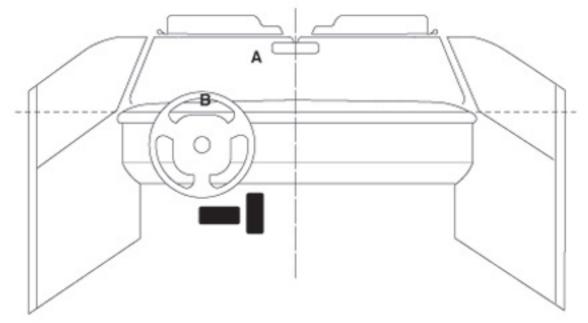
| V1359 — Intrusion 06 Occupant Space Number | 00 No Intrusion, None | | more |
|---|-----------------------|--|------|
| V1360 — Intrusion 06 Intruding Object | 00 | No Intrusion, None | more |
| V1361 — Intrusion 06 Assoc Event Number | 0 | No Intrusion, None | more |
| V1362 — Intrusion 06 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1363 — Intrusion 06 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1364 — Intrusion 06 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1365 — Intrusion 06 Occupant Number | 00 | No contact or no intrusion | more |
| V1366 — Intrusion 06 Injury Number | 00 | No injury or no intrusion | more |
| V1367 — Intrusion 06 Occupant Number | 00 | No contact or no intrusion | more |
| V1368 — Intrusion 06 Injury Number | 99 | Contact, injury unknown or data not collected | |
| V1369 — Intrusion Number 07 | 00 | No Intrusion, None | more |
| V1370 — Intrusion 07 Occupant Space Number | 00 | No Intrusion, None | more |
| V1371 — Intrusion 07 Intruding Object | 00 | No Intrusion, None | more |
| V1372 — Intrusion 07 Assoc Event Number | 0 | No Intrusion, None | more |
| V1373 — Intrusion 07 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1374 — Intrusion 07 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1375 — Intrusion 07 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1376 — Intrusion 07 Occupant Number | 00 | No contact or no intrusion more | |
| V1377 — Intrusion 07 Injury Number | 00 | No injury or no intrusion | more |
| V1378 — Intrusion 07 Occupant Number | 00 | No contact or no intrusion mo | |
| V1379 — Intrusion 07 Injury Number | 99 | Contact, injury unknown or data more | |
| V1380 — Intrusion Number 08 | 00 | No Intrusion, None | more |
| V1381 — Intrusion 08 Occupant Space Number | 00 | No Intrusion, None <u>more</u> | |
| V1382 — Intrusion 08 Intruding | 00 | | |

| Object | | No Intrusion, None | more |
|---|-------|---|------|
| V1383 — Intrusion 08 Assoc Event Number | 0 | No Intrusion, None | more |
| V1384 — Intrusion 08 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1385 — Intrusion 08 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1386 — Intrusion 08 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1387 — Intrusion 08 Occupant Number | 00 | No contact or no intrusion | more |
| V1388 — Intrusion 08 Injury Number | 00 | No injury or no intrusion | more |
| V1389 — Intrusion 08 Occupant Number | 00 | No contact or no intrusion | more |
| V1390 — Intrusion 08 Injury Number | 99 | Contact, injury unknown or data not collected | more |
| V1391 — Intrusion Number 09 | 00 | No Intrusion, None | more |
| V1392 — Intrusion 09 Occupant Space Number | 00 | No Intrusion, None | more |
| V1393 — Intrusion 09 Intruding Object | 00 | No Intrusion, None | more |
| V1394 — Intrusion 09 Assoc Event Number | 0 | No Intrusion, None | more |
| V1395 — Intrusion 09 Max Intrusion X-axis | 00 cm | 0 cm or No Intrusion | more |
| V1396 — Intrusion 09 Max Intrusion Y-axis | 00 cm | 0 cm or No Intrusion | more |
| V1397 — Intrusion 09 Max Intrusion Z-axis | 00 cm | 0 cm or No Intrusion | more |
| V1398 — Intrusion 09 Occupant Number | 00 | No contact or no intrusion | more |
| V1399 — Intrusion 09 Injury Number | 00 | No injury or no intrusion | more |









A = Spider-web crack with hair

B = Steering wheel deformed

| 1 | = Definitely | 2 = Probably | 3 = Possible |
|---|--------------|--------------|--------------|
|---|--------------|--------------|--------------|

NO INTRUSIONS

| | | | | | | INT | FRUSION IT-1 |
|---------|---------------------------------------|--|-----------------|------------------------------------|--|--------------------------------|--------------------------------|
| | _ocation of Intrusion Intruded Con | | Component | (All Meas – Comparison Value | urements Are in (- Intruded Value | Centimeters) = Intrusion | Dominant Crush Direction |
| | | | | | | | |
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| | 1 | | 000 | | | | |
| | Interior | | Occupant | | | | Confidence Level of |
| Contact | Component Contacted | | No. if Known | Region if Known | Supporting | Physical Evidence | Contact Point |
| A | Windshield | | 1 | Head | Supporting Spider-we | eb crack with hair | 1 |
| B | Steering wheel | | 1 | Hand or chest | D | eformed | 1 |
| C | | | | | | | |
| D | | | | | | | |
| E | | | | | | | |
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