

## Case 404 : Narrative

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Case Vehicle (A): 2002 Pontiac  | Vehicle (B): 2003 Sterling            |
| Type: Grand Am SE, 4-door sedan | Type: LT9, 6 x 4 tractor with trailer |
| Driver: 52-year-old female      | Driver: 58-year-old male              |
| CDC: 12-FDEW-2                  | CDC: 09-LBWW-A                        |

### SITUATION

[1](#) It was daylight, the weather was clear, and the asphalt surface of the two-lane road was dry and free of defects. [2](#) Case vehicle (A) had been traveling south in the southbound lane at a driver-estimated speed of 60 mph (97 kph) and followed the two-lane road through a ninety-degree curve so as to be traveling west in the westbound lane. [3](#) Vehicle (B), a tractor-trailer rig, was in a parking lot to the north side of the two-lane road, just west of the curve. As the driver of vehicle (B) pulled out of a private drive at a slow speed to turn left and travel west on the two-lane road, [4](#) [5](#) case vehicle (A) was rounding the curve and approaching the private drive. When the driver of case vehicle (A) saw vehicle (B), she applied the brakes and steered to the right but was unable to avoid a collision, and the front of case vehicle (A) struck a left-rear wheel and the left side of the trailer of vehicle (B). Case vehicle (A) was towed due to damage and vehicle (B) was driven away from the accident scene.

The police report indicates B-level injuries for the driver of case vehicle (A) and O-level injuries for the driver of vehicle (B). The driver of case vehicle (A) was taken by ambulance to a level-one trauma center and was hospitalized for 6 days. The driver of vehicle (B) was not treated.

### GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[6](#) [7](#) Damage to case vehicle (A) was moderate. [8](#) Direct damage began at the left-front bumper corner and extended across the entire frontal plane. [9](#) The maximum crush was 51 cm and occurred to the left of the bumper center.

[10](#) [11](#) [12](#) [13](#) [14](#) Vehicle (B) was unavailable for inspection but on-scene photographs show no damage to the trailer.

Using the barrier algorithm of the WinSMASH crash-reconstruction program and [15](#) [16](#) [17](#) a crush profile measured for case vehicle (A) at the level of the bumper, the following impact severity was estimated:

|                  |          | Calculated Velocity Change - kph (mph) |              |             |
|------------------|----------|--|--------------|-------------|
| Vehicle          | Variable | Total                                  | Longitudinal | Latitudinal |
| Case Vehicle (A) | EBS      | 38 (24)                                | -37 (-23)    | 7 (4)       |

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

## Exterior

[18](#) [19](#) In the front, the bumper and the radiator were crushed to the rear into the engine compartment, with the left side of the front crushed more than the right side. The front portion of the hood was crushed and the mid portion of the hood was buckled up. The hood latch was damaged and jammed closed, [20](#) the right hood hinge was displaced up and deflected to the left, [21](#) the left hood hinge was bent to a ninety-degree angle, the rear edge of the hood was elevated, and [22](#) the left-rear corner had contacted and cracked the lower-left corner of the windshield. [23](#) [24](#) [25](#) The bumper cover was torn off and the left and center portions were cracked and scuffed.

On the left side, [26](#) the fender and the left-front wheel were crushed rearward, reducing the left wheelbase by 13 cm and restricting rotation of the left-front wheel. [27](#) The left half of the roof was buckled and the sunroof was slightly opened. [28](#) [29](#) Both left-side doors were closed and operational and the left-side glazing was intact.

[30](#) There was no damage to the rear of the vehicle.

[31](#) [32](#) On the right side, the front portion of the fender was displaced slightly to the left. Both right-side doors were closed and operational, the right-side glazing was intact, and the right wheelbase was increased by 4 cm.

## Interior

This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags [33](#) [34](#) [35](#) [36](#) and they both deployed in this frontal impact. [37](#) There was no damage to the steering-wheel airbag but the lower-right area of the airbag fabric was stained with makeup and lipstick. [38](#) [39](#) [40](#) [41](#) There was no damage to the steering-wheel airbag module or flaps, [42](#) [43](#) there was no damage to the steering-wheel rim [44](#) or spokes, and there was no rotation of the steering column. [45](#) The sunroof and the roof headliner were scuffed, [46](#) the knee bolster to the left of the steering column was scuffed and dented, and [47](#) [48](#) the knee bolster to the right of the steering column was scuffed. The toepan was displaced to the rear and the floor pan was buckled up.

[49](#) In the center-front area, the radio cover was pushed into the vertical console, and the center and [50](#) right portions of the vertical console were scuffed. [51](#) The center console was slightly separated from the vertical console.

In the right-front seating area, [52](#) [53](#) there was no damage to the flap/cover of the dash-mounted airbag.

The following intrusions were noted and measured:

| Location | Component  | Distance (cm) | Direction |
|----------|--|---------------|-----------|
| Driver   | floor pan <a href="#">54</a>                     | 10            | up        |
|          | toepan at brake pedal <a href="#">55</a>         | 9             | to rear   |
|          | toepan below lt. knee contact <a href="#">56</a> | 6             | to rear   |

[57](#) [58](#) [59](#) [60](#) [61](#) [62](#) [63](#) [64](#) There was no other interior damage.

[65](#) The 173-cm, 68-kg (5-ft, 8-in, 150-lb) 52-year-old female driver was using the three-point belt and

66 the frontal-impact airbag deployed. 67 Faint webbing loading marks on the forward portion of the plastic D-ring 68 69 and loading marks on the sliding latch plate indicate belt use at the time of the crash. The driver seat was adjusted to a mid-to-rear seat-track position and the driver reported that her right foot was on the brake and that she steered to the right just prior to the frontal impact.

On impact, the driver moved forward relative to the vehicle interior, into the three-point belt, airbag, and knee bolster. She sustained a contusion to the center of the chest, probably from loading by the shoulder belt. She sustained an abrasion to the medial aspect of the left arm, probably from contact by the deploying airbag. She sustained a fracture to the end plate of L5 from an unknown source. She sustained a fracture to the right patella due to knee contact with the knee bolster, and she sustained fractures to the 2nd and 3rd metatarsals of the right foot, probably from contact with the brake pedal while braking.

The following table and attached drawing 70 summarize the injuries and injury sources for the driver of case vehicle (A).

| Occupant: Driver                                 | Age: 52 years                | Gender: Female       |                       |          |
|--|------------------------------|----------------------|-----------------------|----------|
| Restraints: 3-point belt; steering-wheel airbag  | Stature: 173 cm (5 ft, 8 in) | Mass: 68 kg (150 lb) |                       |          |
| Injury Description                               | A.I.S.                       | Injury Source        |                       |          |
|  |                              | Definite             | Probable              | Possible |
| —  | —                            | —                    | —                     | —        |
| Contusion, center of chest                       | 1                            | —                    | Shoulder belt         | —        |
| Abrasion, medial aspect of left arm              | 1                            | —                    | Airbag                | —        |
| Fracture, endplate of L5                         | 2                            | Unknown              | —                     | —        |
| Fracture, right patella                          | 2                            | Knee bolster         | —                     | —        |
| Fractures, 2nd and 3rd metatarsals of right foot | 2                            | —                    | Brake pedal (braking) | —        |
| Maximum A.I.S. Level                             | 2                            | —                    | —                     | —        |
| Injury Severity Score                            | 9                            | —                    | —                     | —        |

CASE NO.: 404

CASE VEHICLE: 2002 Pontiac

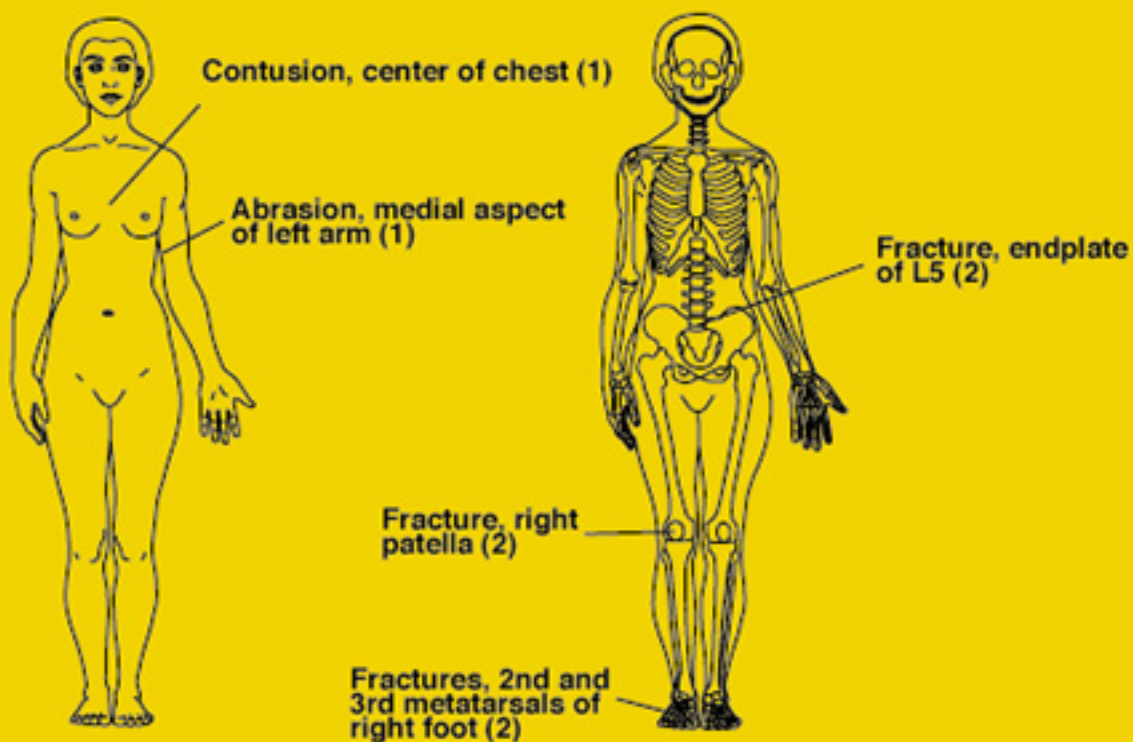
TYPE: Grand Am SE, 4-door sedan

OCCUPANT: Driver: 52-year-old female

STATURE: 173 cm (5 ft, 8 in) MASS: 68 kg (150 lb)

RESTRAINTS: 3-point belt, steering-wheel airbag

SEVERITY: MAIS - 2 : ISS - 9



Case No.: **404**

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

Type: **Grand Am SE, 4-door sedan**

Driver: **52-year-old female**

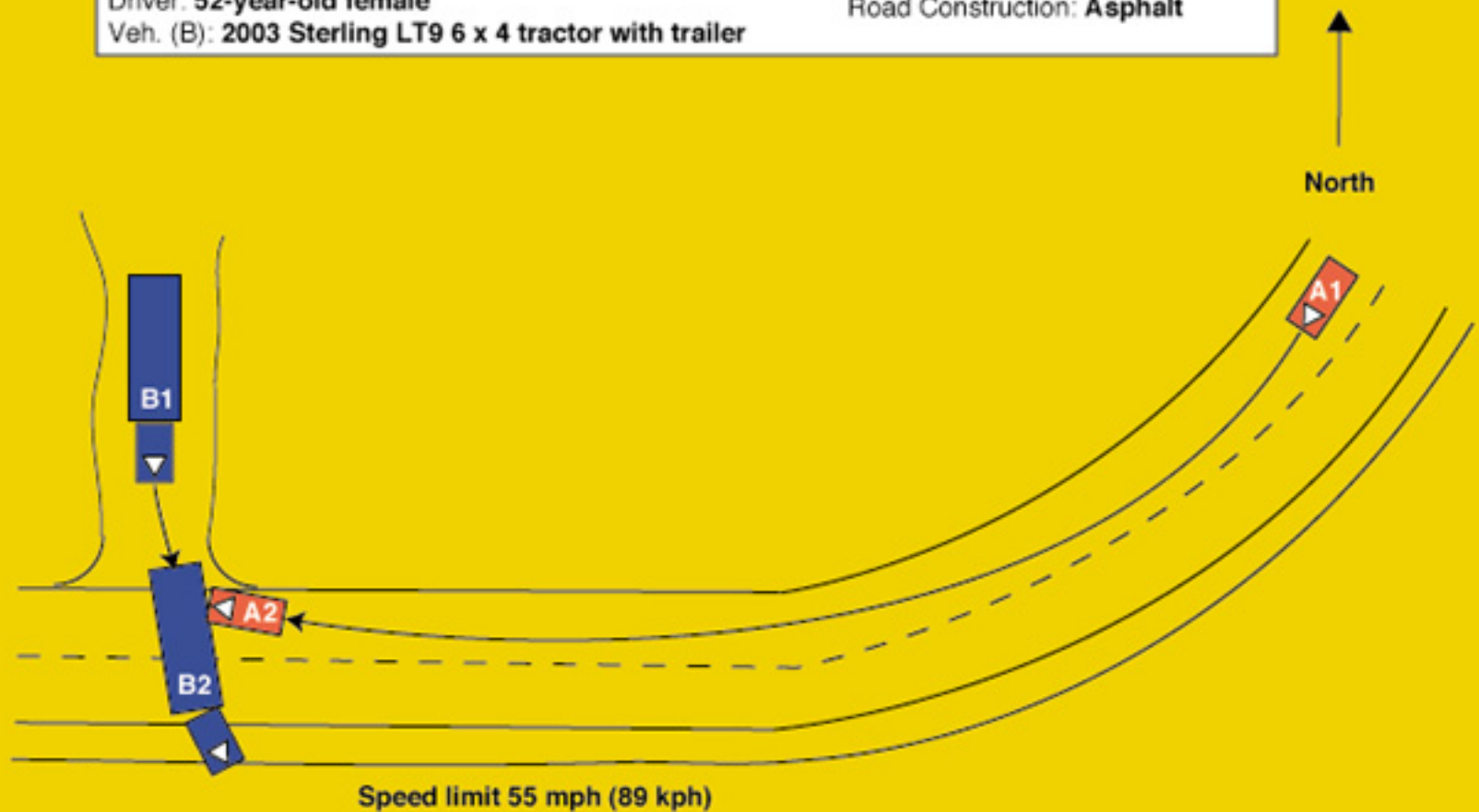
Veh. (B): **2003 Sterling LT9 6 x 4 tractor with trailer**

Light Conditions: **Daylight**

Weather: **Clear**

Road Surface: **Dry**

Road Construction: **Asphalt**



# Vehicle Report

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## General Conditions

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| Variable Number and Name               | Code Value | Code Description     | Other Options        |
|--|------------|----------------------|----------------------|
| V206 — Urban/Rural Area                | 2          | Rural                | <a href="#">more</a> |
| V207 — Limited Access Highway          | 0          | No                   | <a href="#">more</a> |
| V208 — Road Total Lanes                | 2          | 2 lanes              | <a href="#">more</a> |
| V209 — Intersecting Road Total Lanes   | 6          | Parking lot/driveway | <a href="#">more</a> |
| V210 — Road Surface Type               | 1          | Asphalt              | <a href="#">more</a> |
| V211 — Road Defects                    | 0          | No                   | <a href="#">more</a> |
| V212 — Construction Zone               | 0          | No                   | <a href="#">more</a> |
| V213 — Road Alignment Vertical Plane   | 1          | Level                | <a href="#">more</a> |
| V214 — Road Alignment Horizontal Plane | 2          | Curve                | <a href="#">more</a> |
| V215 — Surface Covering                | 10         | Dry                  | <a href="#">more</a> |
| V216 — Visibility Limitation           | 0          | None                 | <a href="#">more</a> |
| V217 — Visibility Obstruction          | 0          | None                 | <a href="#">more</a> |
| V218 — Speed Limit                     | 6          | 86-90 km/h .. 55 mph | <a href="#">more</a> |
| V219 — Precipitation Type              | 0          | None                 | <a href="#">more</a> |
| V220 — Precipitation Rate              | 8          | Not applicable       | <a href="#">more</a> |
| V221 — Temperature                     | 9          | Unknown              | <a href="#">more</a> |

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

## Other Vehicle

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| Variable Number and Name                    | Code Value   | Code Description                | Other Options        |
|---|--------------|---------------------------------|----------------------|
| V301 — Other Vehicle VIN                    | 2FWJAZAV03AK | —                               | —                    |
| V302 — Other Vehicle Manufacturer/Body Code | 27438        | —                               | —                    |
| V303 — Other Vehicle Manufacturer           | 274          | —                               | —                    |
| V304 — Other Vehicle Body Code              | 38           | Truck-tractor with semi-trailer | <a href="#">more</a> |
| V305 — Other Vehicle Make/Model             | 8111         | —                               | —                    |
| V306 — Other Vehicle Model Year             | 2003         | —                               | —                    |
| V307 — Other Vehicle Mass                   | 999999       | Unknown                         | <a href="#">more</a> |
| V308 — Other Vehicle Number                 | 0            | No separate report              | <a href="#">more</a> |
| V309 — Other Vehicle Number of Occupants    | 01           | —                               | —                    |
| V310 — Other Vehicle Traveling Speed        | 995          | Just starting up                | <a href="#">more</a> |
|   |              |                                 |                      |

|                                       |        |                                 |                      |
|---------------------------------------|--------|---------------------------------|----------------------|
| V311 — Highest Police Injury Severity | 0      | 0 - No Injury                   | <a href="#">more</a> |
| V312 — Other Vehicle Type             | 38     | Tractor and semi-trailer (semi) | <a href="#">more</a> |
| V313 — Other Vehicle Wheelbase (cm)   | 999    | Unknown wheelbase               | <a href="#">more</a> |
| V314 — Average Track Width            | 999    | Unknown                         | <a href="#">more</a> |
| V315 — Overall Length                 | 999    | Unknown                         | <a href="#">more</a> |
| V316 — Overall Width (OAW)            | 243 cm | —                               | —                    |
| V317 — Front Overhang (FOH)           | 074 cm | —                               | —                    |
| V318 — Rear Overhang (ROH)            | 999    | Unknown                         | <a href="#">more</a> |
| V319 — Undeformed End Width (UEW)     | 999    | Unknown                         | <a href="#">more</a> |
| V320 — Engine Displacement            | 9.9 l  | —                               | —                    |
| V321 — Engine: Number of Cylinders    | 06     | —                               | —                    |
| V322 — Direct Damage Length (DDL)     | 999    | Unknown                         | <a href="#">more</a> |
| V323 — Front-End Overlap % (FEO)      | 99     | Missing or Not applicable       | <a href="#">more</a> |
| V324 — Vehicle Overlap % (VOL)        | 99     | Missing or Not applicable       | <a href="#">more</a> |

## Case Vehicle General



[Click for case vehicle figure](#)

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| Variable Number and Name      | Code Value   | Code Description        | Other Options        |
|-------------------------------|--------------|-------------------------|----------------------|
| V401 — VIN                    | 1G2NF52E02M6 | —                       | —                    |
| V402 — Manufacturer/Body Code | 11528        | —                       | —                    |
| V403 — Vehicle Manufacturer   | 115          | Pontiac                 | <a href="#">more</a> |
| V404 — Vehicle Body Code      | 28           | —                       | —                    |
| V405 — Make/Model Code        | 0331         | Grand Am                | <a href="#">more</a> |
| V406 — Model Year             | 2002         | —                       | —                    |
| V407 — Vehicle Mass           | 001447 kg    | —                       | —                    |
| V408 — Odometer Reading       | 888888       | —                       | —                    |
| V409 — Number of Occupants    | 01           | —                       | —                    |
| V410 — Traveling Speed        | 097 kph      | —                       | —                    |
| V411 — Body Type              | 14           | 4-door sedan            | <a href="#">more</a> |
| V412 — Stolen Vehicle         | 8            | Not currently collected | <a href="#">more</a> |
| V413 — Body Structure         | 2            | Unitized                | <a href="#">more</a> |
| V414 — Transmission Type      | 1            | Automatic               | <a href="#">more</a> |
|                               | 2            |                         |                      |



|                                       |        |                         |                      |
|---------------------------------------|--------|-------------------------|----------------------|
| V415 — Transmission Lever Location    |        | Console                 | <a href="#">more</a> |
| V416 — Steering                       | 1      | Power                   | <a href="#">more</a> |
| V417 — Brakes                         | 1      | Power                   | <a href="#">more</a> |
| V418 — Brake Type                     | 2      | Disc - front wheels     | <a href="#">more</a> |
| V419 — Brake Anti-lock Device         | 2      | Four-wheel              | <a href="#">more</a> |
| V420 — Air Conditioning in Vehicle    | 8      | Not currently collected | <a href="#">more</a> |
| V421 — Drive Type                     | 2      | Front wheel             | <a href="#">more</a> |
| V422 — Dual Rear Wheels               | 0      | No                      | <a href="#">more</a> |
| V423 — Original Restraint System Type | 3      | Airbag                  | <a href="#">more</a> |
| V424 — Equipped With Roll Bar         | 0      | No                      | <a href="#">more</a> |
| V425 — Roof Type                      | 5      | Sun roof open           | <a href="#">more</a> |
| V426 — Wheelbase                      | 272 cm | —                       | —                    |
| V427 — Anti-lacerative Glass          | 0      | None                    | <a href="#">more</a> |
| V428 — Average Track Width            | 150 cm | —                       | —                    |
| V429 — Overall Length                 | 473 cm | —                       | —                    |
| V430 — Overall Width (OAW)            | 179 cm | —                       | —                    |
| V431 — Front Overhang                 | 101 cm | —                       | —                    |
| V432 — Rear Overhang                  | 102 cm | —                       | —                    |
| V433 — Undeformed End Width (UEW)     | 150 cm | —                       | —                    |
| V434 — Engine Displacement            | 3.4 l  | —                       | —                    |
| V435 — Engine: Number of Cylinders    | 06     | —                       | —                    |
| V436 — Direct Damage Length (DDL)     | 150 cm | —                       | —                    |
| V437 — Front End Overlap % (FEO)      | 98     | 98% or more             | <a href="#">more</a> |
| V438 — Vehicle Overlap % (VOL)        | 98     | 98% or more             | <a href="#">more</a> |

## Case Vehicle Damage Description

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| Variable Number and Name          | Code Value | Code Description              | Other Options        |
|-----------------------------------|------------|-------------------------------|----------------------|
| V501 — Maximum Crush - Front      | 051 cm     | —                             | —                    |
| V502 — Maximum Crush - Right Side | 000 cm     | No crush (or less than 1 cm.) | <a href="#">more</a> |
|                                   | 000 cm     | No crush (or                  |                      |

|  |        |  |                      |
|--|--------|--|----------------------|
| V503 — Maximum Crush - Rear              |        | less than 1 cm.)                                 | <a href="#">more</a> |
| V504 — Maximum Crush - Left Side         | 000 cm | No crush (or less than 1 cm.)                    | <a href="#">more</a> |
| V505 — Maximum Crush - Roof              | 000 cm | No crush (or less than 1 cm.)                    | <a href="#">more</a> |
| V506 — Maximum Crush - Other             | 000 cm | No crush (or less than 1 cm.)                    | <a href="#">more</a> |
| V507 — Are Events In Chronological Order | 1      | Yes  | <a href="#">more</a> |
| V508 — Event 1 Impact Location           | 1      | On Roadway                                       | <a href="#">more</a> |
| V509 — Event 1 Impact Configuration      | 13     | FRONT of case veh -<br>SIDE of contacted Vehicle | <a href="#">more</a> |
| V510 — Event 1 Object/Vehicle Contacted  | 38     | Tractor and semi-trailer (semi)                  | <a href="#">more</a> |
| V511 — Event 2 Impact Location           | 8      | No 2nd event                                     | <a href="#">more</a> |
| V512 — Event 2 Impact Configuration      | 88     | No 2nd event                                     | <a href="#">more</a> |
| V513 — Event 2 Object/Vehicle Contacted  | 00     | No object/vehicle contacted                      | <a href="#">more</a> |
| V514 — Event 3 Impact Location           | 8      | No 3rd event                                     | <a href="#">more</a> |
| V515 — Event 3 Impact Configuration      | 88     | No 3rd event                                     | <a href="#">more</a> |
| V516 — Event 3 Object/Vehicle Contacted  | 00     | No object/vehicle contacted                      | <a href="#">more</a> |
| V517 — Event 4 Impact Location           | 8      | No 4th event                                     | <a href="#">more</a> |
| V518 — Event 4 Impact Configuration      | 88     | No 4th event                                     | <a href="#">more</a> |
| V519 — Event 4 Object/Vehicle Contacted  | 00     | No object/vehicle contacted                      | <a href="#">more</a> |
| V520 — Event 5 Impact Location           | 8      | No 5th event                                     | <a href="#">more</a> |
| V521 — Event 5 Impact Configuration      | 88     | No 5th event                                     | <a href="#">more</a> |
| V522 — Event 5 Object/Vehicle Contacted  | 00     | No object/vehicle contacted                      | <a href="#">more</a> |
| V523 — Event 6 Impact Location           | 8      | No 6th event                                     | <a href="#">more</a> |
| V524 — Event 6 Impact Configuration      | 88     | No 6th event                                     | <a href="#">more</a> |

|  |         |                                |                      |
|--|---------|--------------------------------|----------------------|
| V525 — Event 6 Object/Vehicle Contacted        | 00      | No object/vehicle contacted    | <a href="#">more</a> |
| V526 — Event 7 Impact On Road                  | 8       | No 7th event                   | <a href="#">more</a> |
| V527 — Event 7 Impact Configuration            | 88      | No 7th event                   | <a href="#">more</a> |
| V528 — Event 7 Object/Vehicle Contacted        | 00      | No object/vehicle contacted    | <a href="#">more</a> |
| V529 — Primary CDC Case Vehicle -event Number  | 1       | Event 1                        | <a href="#">more</a> |
| V530 — Primary CDC Case Vehicle - impact speed | 999     | Unknown                        | <a href="#">more</a> |
| V531 — Primary CDC Case Vehicle - Estimated By | 1       | Investigator                   | <a href="#">more</a> |
| V532 — Primary CDC Case Vehicle -crush         | 051     | —                              | —                    |
| V533 — Primary CDC Case Vehicle -clock #1      | 12      | 12 o'clock                     | <a href="#">more</a> |
| V534 — Primary CDC Case Vehicle letter 1 #1    | 06      | F - Front                      | <a href="#">more</a> |
| V535 — Primary CDC Case Vehicle letter 2 #1    | 04      | D - Distributed (Side or End)  | <a href="#">more</a> |
| V536 — Primary CDC Case Vehicle letter 3 #1    | 05      | E - Everything below belt line | <a href="#">more</a> |
| V537 — Primary CDC Case Vehicle letter 4 #1    | 23      | W - Wide impact area           | <a href="#">more</a> |
| V538 — Primary CDC Case Vehicle Extent #1      | 02      | Extent 2                       | <a href="#">more</a> |
| V539 — Primary CDC Case Vehicle -CDC #1        | 12FDEW2 | —                              | —                    |
| V541 — Primary CDC Case Vehicle letter 1 #2    | 00      | Missing Data/Not applicable    | <a href="#">more</a> |
| V542 — Primary CDC Case Vehicle letter 2 #2    | 00      | Missing Data/Not applicable    | <a href="#">more</a> |
| V543 — Primary CDC Case Vehicle letter 3 #2    | 00      | Missing Data/Not applicable    | <a href="#">more</a> |
| V544 — Primary CDC Case Vehicle letter 4 #2    | 00      | Missing Data/Not applicable    | <a href="#">more</a> |
| V545 — Primary CDC Case Vehicle Extent #2      | 00      | Missing Data/Not applicable    | <a href="#">more</a> |
| V546 — Primary CDC Case Vehicle -CDC #2        | 9800000 | —                              | —                    |

|   |         |  |                      |
|---|---------|--|----------------------|
| V547 — Primary CDC Contacted Vehicle - Impact Speed | 999     | Unknown  | <a href="#">more</a> |
| V548 — Primary CDC Contacted Vehicle - Estimated By | 1       | Investigator   | <a href="#">more</a> |
| V549 — Primary CDC Contacted Vehicle -crush         | 999     | Unknown  | <a href="#">more</a> |
| V550 — Primary CDC Contacted Vehicle -clock #1      | 09      | 9 o'clock  | <a href="#">more</a> |
| V551 — Primary CDC Contacted Vehicle letter 1 #1    | 12      | L - Left Side  | <a href="#">more</a> |
| V552 — Primary CDC Contacted Vehicle letter 2 #1    | 02      | B - Side Rear (Left or Right) or rear of cab to rear of  | <a href="#">more</a> |
| V553 — Primary CDC Contacted Vehicle letter 3 #1    | 23      | W - Below undercarriage level (wheels and tires only)    | <a href="#">more</a> |
| V554 — Primary CDC Contacted Vehicle letter 4 #1    | 23      | W - Wide impact area                                     | <a href="#">more</a> |
| V555 — Primary CDC Contacted Vehicle Extent #1      | 11      | Extent A - Crushing or shifting of structural members or | <a href="#">more</a> |
| V556 — Primary CDC Contacted Vehicle -CDC #1        | 09LBWWA | —  | —                    |
| V558 — Primary CDC Contacted Vehicle letter 1 #2    | 00      | Missing Data/Not applicable                              | <a href="#">more</a> |
| V559 — Primary CDC Contacted Vehicle letter 2 #2    | 00      | Missing Data/Not applicable                              | <a href="#">more</a> |
| V560 — Primary CDC Contacted Vehicle letter 3 #2    | 00      | Missing Data/Not applicable                              | <a href="#">more</a> |
| V561 — Primary CDC Contacted Vehicle letter 4 #2    | 00      | Missing Data/Not applicable                              | <a href="#">more</a> |
| V562 — Primary CDC Contacted Vehicle Extent #2      | 00      | Missing Data/Not applicable                              | <a href="#">more</a> |
| V563 — Primary CDC Contacted Vehicle -CDC #2        | 9800000 | —  | —                    |
| V564 — Secondary CDC Case Vehicle - Event No        | 8       | Not applicable   | <a href="#">more</a> |

|   |         |                                       |                      |
|---|---------|---------------------------------------|----------------------|
| V565 — Secondary CDC Case Vehicle - Impact Speed      | 998     | Not Applicable                        | <a href="#">more</a> |
| V566 — Secondary CDC Case Vehicle - Estimated By      | 8       | Not applicable (no vehicle/no impact) | <a href="#">more</a> |
| V567 — Secondary CDC Case Vehicle -crush              | 998     | Not Applicable                        | <a href="#">more</a> |
| V568 — Secondary CDC Case Vehicle -clock #1           | 98      | Not Applicable                        | <a href="#">more</a> |
| V569 — Secondary CDC Case Vehicle letter 1 #1         | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V570 — Secondary CDC Case Vehicle letter 2 #1         | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V571 — Secondary CDC Case Vehicle letter 3 #1         | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V572 — Secondary CDC Case Vehicle letter 4 #1         | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V573 — Secondary CDC Case Vehicle Extent #1           | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V574 — Secondary CDC Case Vehicle -CDC #1             | 9800000 | —                                     | —                    |
| V576 — Secondary CDC Case Vehicle letter 1 #2         | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V577 — Secondary CDC Case Vehicle letter 2 #2         | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V578 — Secondary CDC Case Vehicle letter 3 #2         | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V579 — Secondary CDC Case Vehicle letter 4 #2         | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V580 — Secondary CDC Case Vehicle Extent #2           | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V581 — Secondary CDC Case Vehicle -CDC #2             | 9800000 | —                                     | —                    |
| V582 — Secondary CDC Contacted Vehicle - Impact Speed | 998     | Not Applicable                        | <a href="#">more</a> |

|   |         |                                       |                      |
|---|---------|---------------------------------------|----------------------|
| V583 — Secondary CDC Contacted Vehicle - Estimated By | 8       | Not applicable (no vehicle/no impact) | <a href="#">more</a> |
| V584 — Secondary CDC Contacted Vehicle -crush         | 998     | Not Applicable                        | <a href="#">more</a> |
| V585 — Secondary CDC Contacted Vehicle -clock #1      | 98      | Not Applicable                        | <a href="#">more</a> |
| V586 — Secondary CDC Contacted Vehicle letter 1 #1    | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V587 — Secondary CDC Contacted Vehicle letter 2 #1    | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V588 — Secondary CDC Contacted Vehicle letter 3 #1    | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V589 — Secondary CDC Contacted Vehicle letter 4 #1    | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V590 — Secondary CDC Contacted Vehicle Extent #1      | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V591 — Secondary CDC Contacted Vehicle -CDC #1        | 9800000 | —                                     | —                    |
| V593 — Secondary CDC Contacted Vehicle letter 1 #2    | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V594 — Secondary CDC Contacted Vehicle letter 2 #2    | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V595 — Secondary CDC Contacted Vehicle letter 3 #2    | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V596 — Secondary CDC Contacted Vehicle letter 4 #2    | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| V597 — Secondary CDC Contacted Vehicle Extent #2      | 00      | Missing Data/Not applicable           | <a href="#">more</a> |
| 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                            | 999        | Unknown           | <a href="#">more</a> |
| V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V | 9999       | —                 | —                    |
| V604 — Primary Case Vehicle Reconstructed Lateral Delta-V      | 9999       | —                 | —                    |
| V605 — Primary Case Vehicle Reconstructed Crush Energy         | 9999       | —                 | —                    |
| V606 — Primary Impact Case Vehicle - reconstruction            | 11         | Beyond Scope      | <a href="#">more</a> |
| V607 — Primary Case Vehicle Reconstruction Mode                | 5          | Not reconstructed | <a href="#">more</a> |
| V608 — Primary Contacted Vehicle Reconstructed Total Delta-V   | 888        | N/A               | <a href="#">more</a> |
|  | 8888       |                   |                      |

|   |      |     |   |                      |
|---|------|-----|---|----------------------|
| V609 —<br>Primary<br>Contacted<br>Vehicle<br>Reconstructed<br>Longitudinal<br>Delta-V |      |     | — | —                    |
| V610 —<br>Primary<br>Contacted<br>Vehicle<br>Reconstructed<br>Lateral Delta-<br>V     | 8888 |     | — | —                    |
| V611 —<br>Primary<br>Contacted<br>Vehicle<br>Reconstructed<br>Crush Energy            | 8888 |     | — | —                    |
| V612 — Case<br>Vehicle<br>Secondary<br>Impact<br>Number                               | 8    |     | — | —                    |
| V613 —<br>Secondary<br>Case Vehicle<br>Reconstructed<br>Total Delta-V                 | 888  | N/A |   | <a href="#">more</a> |
| V614 —<br>Secondary<br>Case Vehicle<br>Reconstructed<br>Longitudinal<br>Delta-V       | 8888 |     | — | —                    |
| V615 —<br>Secondary<br>Case Vehicle<br>Reconstructed<br>Lateral Delta-<br>V           | 8888 |     | — | —                    |
| V616 —<br>Secondary<br>Case Vehicle<br>Reconstructed<br>Crush Energy                  | 8888 |     | — | —                    |
| V617 —  | 88   |     |   |                      |



|   |          |                |                      |
|---|----------|----------------|----------------------|
| Secondary Case Vehicle Reconstruction Note                            |          | —              | —                    |
| V618 — Secondary Case Vehicle Reconstruction Mode                     | 8        | Not applicable | <a href="#">more</a> |
| V619 — Secondary Contacted Vehicle Reconstructed Total Delta-V        | 888      | N/A            | <a href="#">more</a> |
| 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                   | 038 kph  | —              | —                    |
| V625 — Primary Case Vehicle   | -038 kph |                |                      |

|  |          |  |                      |
|--|----------|--|----------------------|
| Reconstructed Longitudinal EBS                                   |          | —  | —                    |
| V626 — Primary Case Vehicle Reconstructed Lateral EBS            | 0007 kph | —  | —                    |
| V627 — Primary Case Vehicle Reconstructed Crush Energy           | 0086 kJ  | —  | —                    |
| V628 — Primary Case Vehicle Reconstruction Note                  | 22       | Reconstructed, moderate confidence level | <a href="#">more</a> |
| V629 — Primary Case Vehicle Reconstruction Mode                  | 2        | CDC & detailed damage                    | <a href="#">more</a> |
| V630 — Primary Contacted Vehicle Reconstruction Total EBS        | 888      | N/A                                      | <a href="#">more</a> |
| 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 Impact Number                    | 8    | Not applicable | <a href="#">more</a> |
| V635 — Secondary Case Vehicle Reconstruction Total EBS         | 888  | N/A            | <a href="#">more</a> |
| 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 | <a href="#">more</a> |
| V641 — Secondary Contacted Vehicle Reconstruction Total EBS    | 888  | N/A            | <a href="#">more</a> |
| V642 — Secondary Contacted Vehicle Reconstruction Longitudinal | 8888 | —              | —                    |

|  |        |        |                      |
|--|--------|--------|----------------------|
| EBS  |        |        |                      |
| V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS  | 8888   | —      | —                    |
| V644 — Secondary Contacted Vehicle Reconstruction Crush Energy | 8888   | —      | —                    |
| V645 — Case Vehicle Reconstructed Impact Number                | 1      | —      | —                    |
| V646 — Case Vehicle Impact 1 Plane                             | 1      | Bumper | <a href="#">more</a> |
| V647 — Case Vehicle Impact 1 Direct Damage Length [DDL]        | 150 cm | —      | —                    |
| V648 — Case Vehicle Impact 1 Max Crush                         | 051 cm | —      | —                    |
| V649 — Case Vehicle Impact 1 Field-L                           | 107 cm | —      | —                    |
| V650 — Case Vehicle Impact 1 C1                                | 040 cm | —      | —                    |
| V651 — Case Vehicle Impact 1 C2                                | 051 cm | —      | —                    |
| V652 — Case Vehicle Impact 1 C3                                | 048 cm | —      | —                    |
| V653 — Case Vehicle Impact 1 C4                                | 036 cm | —      | —                    |

|   |         |                |                      |
|---|---------|----------------|----------------------|
| V654 — Case Vehicle Impact 1 C5                         | 019 cm  | —              | —                    |
| V655 — Case Vehicle Impact 1 C6                         | 002 cm  | —              | —                    |
| V656 — Case Vehicle Impact 1 +/- D                      | -017 cm | —              | —                    |
| V657 — Case Vehicle Reconstructed Impact Number         | 2       | —              | —                    |
| V658 — Case Vehicle Impact 2 Plane                      | 8       | Not applicable | <a href="#">more</a> |
| V659 — Case Vehicle Impact 2 Direct Damage Length [DDL] | 998     | Not applicable | <a href="#">more</a> |
| V660 — Case Vehicle Impact 2 Max Crush                  | 998     | Not applicable | <a href="#">more</a> |
| V661 — Case Vehicle Impact 2 Field-L                    | 998     | Not applicable | <a href="#">more</a> |
| V662 — Case Vehicle Impact 2 C1                         | 998     | Not applicable | <a href="#">more</a> |
| V663 — Case Vehicle Impact 2 C2                         | 998     | Not applicable | <a href="#">more</a> |
| V664 — Case Vehicle Impact 2 C3                         | 998     | Not applicable | <a href="#">more</a> |
| V665 — Case Vehicle Impact 2 C4                         | 998     | Not applicable | <a href="#">more</a> |
| V666 — Case Vehicle Impact 2 C5                         | 998     | Not applicable | <a href="#">more</a> |

|  |      |                |                      |
|--|------|----------------|----------------------|
| V667 — Case Vehicle Impact 2 C6                          | 998  | Not applicable | <a href="#">more</a> |
| V668 — Case Vehicle Impact 2 +/- D                       | 9998 | —              | —                    |
| V669 — Other Vehicle Reconstructed Impact Number         | 1    | —              | —                    |
| V670 — Other Vehicle Impact 1 Plane                      | 9    | Unknown        | <a href="#">more</a> |
| V671 — Other Vehicle Impact 1 Direct Damage Length [DDL] | 999  | Unknown        | <a href="#">more</a> |
| V672 — Other Vehicle Impact 1 Max Crush                  | 999  | Unknown        | <a href="#">more</a> |
| V673 — Other Vehicle Impact 1 Field-L                    | 999  | Unknown        | <a href="#">more</a> |
| V674 — Other Vehicle Impact 1 C1                         | 999  | Unknown        | <a href="#">more</a> |
| V675 — Other Vehicle Impact 1 C2                         | 999  | Unknown        | <a href="#">more</a> |
| V676 — Other Vehicle Impact 1 C3                         | 999  | Unknown        | <a href="#">more</a> |
| V677 — Other Vehicle Impact 1 C4                         | 999  | Unknown        | <a href="#">more</a> |
| V678 — Other Vehicle Impact 1 C5                         | 999  | Unknown        | <a href="#">more</a> |
| V679 — Other Vehicle Impact 1 C6                         | 999  | Unknown        | <a href="#">more</a> |

|  |         |                |                      |
|--|---------|----------------|----------------------|
| V680 — Other Vehicle Impact 1 +/- D                      | 0999 cm | —              | —                    |
| V681 — Other Vehicle Reconstructed Impact Number         | 2       | —              | —                    |
| V682 — Other Vehicle Impact 2 Plane                      | 8       | Not applicable | <a href="#">more</a> |
| V683 — Other Vehicle Impact 2 Direct Damage Length [DDL] | 998     | Not applicable | <a href="#">more</a> |
| V684 — Other Vehicle Impact 2 Max Crush                  | 998     | Not applicable | <a href="#">more</a> |
| V685 — Other Vehicle Impact 2 Field-L                    | 998     | Not applicable | <a href="#">more</a> |
| V686 — Other Vehicle Impact 2 C1                         | 998     | Not applicable | <a href="#">more</a> |
| V687 — Other Vehicle Impact 2 C2                         | 998     | Not applicable | <a href="#">more</a> |
| V688 — Other Vehicle Impact 2 C3                         | 998     | Not applicable | <a href="#">more</a> |
| V689 — Other Vehicle Impact 2 C4                         | 998     | Not applicable | <a href="#">more</a> |
| V690 — Other Vehicle Impact 2 C5                         | 998     | Not applicable | <a href="#">more</a> |
| V691 — Other Vehicle Impact 2 C6                         | 998     | Not applicable | <a href="#">more</a> |
| V692 — Other Vehicle Impact 2 +/- D                      | 9998    | —              | —                    |

## Case Vehicle Tires & Rims

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| Variable Number and Name                | Code Value | Code Description | Other Options        |
|---|------------|------------------|----------------------|
| V701 — Left Front Wheel Damaged         | 0          | No               | <a href="#">more</a> |
| V702 — Right Front Wheel Damaged        | 0          | No               | <a href="#">more</a> |
| V703 — Right Rear Wheel Damaged         | 0          | No               | <a href="#">more</a> |
| V704 — Left Rear Wheel Damaged          | 0          | No               | <a href="#">more</a> |
| V705 — Left Front Tire Tread Type       | 4          | All Weather      | <a href="#">more</a> |
| V706 — Right Front Tire Tread Type      | 4          | All Weather      | <a href="#">more</a> |
| V707 — Right Rear Tire Tread Type       | 4          | All Weather      | <a href="#">more</a> |
| V708 — Left Rear Tire Tread Type        | 4          | All Weather      | <a href="#">more</a> |
| V709 — Left Front Carcass Construction  | 3          | Radial           | <a href="#">more</a> |
| V710 — Right Front Carcass Construction | 3          | Radial           | <a href="#">more</a> |
| V711 — Right Rear Carcass Construction  | 3          | Radial           | <a href="#">more</a> |
| V712 — Left Rear Carcass Construction   | 3          | Radial           | <a href="#">more</a> |
| V717 — Left Front Tire Size             | P22550R15  | —                | —                    |
| V718 — Right Front Tire Size            | P22550R15  | —                | —                    |
| V719 — Right Rear Tire Size             | P22550R15  | —                | —                    |
| V720 — Left Rear Tire Size              | P22550R15  | —                | —                    |

## Case Vehicle Fuel, Tank, Fire

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| Variable Number and Name        | Code Value | Code Description                                    | Other Options        |
|---------------------------------|------------|---|----------------------|
| V801 — Propulsive Fuel Type     | 1          | Gasoline  | <a href="#">more</a> |
| V802 — Main Tank Location       | 322        | Within frame/centered laterally - within vertically | <a href="#">more</a> |
| V803 — Main Filler Cap Location | 133        | —   | —                    |
| V804 — Main Tank Material       | 3          | Plastic   | <a href="#">more</a> |



|                                    |     |                               |                      |
|------------------------------------|-----|-------------------------------|----------------------|
| V805 — Aux Tank Type               | 8   | Not applicable (not equipped) | <a href="#">more</a> |
| V806 — Aux Tank Location           | 888 | Not applicable (not equipped) | <a href="#">more</a> |
| V807 — Aux Filler Cap Location     | 888 | Not applicable (not equipped) | <a href="#">more</a> |
| V808 — Aux Tank Material           | 8   | Not applicable                | <a href="#">more</a> |
| V901 — Fuel Leakage From Crash     | 0   | No                            | <a href="#">more</a> |
| V1001 — Fire In Or On Case Vehicle | 0   | No                            | <a href="#">more</a> |

## Case Vehicle Exterior

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

|  |   |                               |                      |
|--|---|-------------------------------|----------------------|
| Separation                               |   |                               |                      |
| V1122 — Upper Left B-pillar Separation   | 0 | No                            | <a href="#">more</a> |
| V1123 — Lower Left B-pillar Separation   | 0 | No                            | <a href="#">more</a> |
| V1124 — Upper Left C-pillar Separation   | 0 | No                            | <a href="#">more</a> |
| V1125 — Lower Left C-pillar Separation   | 0 | No                            | <a href="#">more</a> |
| V1126 — Upper Left D-pillar Separation   | 8 | Not applicable (not equipped) | <a href="#">more</a> |
| V1127 — Lower Left D-pillar Separation   | 8 | Not applicable (not equipped) | <a href="#">more</a> |
| V1128 — Left Front Door Opening Cause    | 0 | Door did not open             | <a href="#">more</a> |
| V1129 — Left Rear Door Opening Cause     | 0 | Door did not open             | <a href="#">more</a> |
| V1130 — Left Front Door Jammed Closed    | 0 | No                            | <a href="#">more</a> |
| V1131 — Left Rear Door Jammed Closed     | 0 | No                            | <a href="#">more</a> |
| V1132 — Rear Door Type                   | 0 | No door (includes pickups)    | <a href="#">more</a> |
| V1133 — Rear Door Opening Cause          | 8 | Not applicable (no rear door) | <a href="#">more</a> |
| V1134 — Rear Door Jammed Closed          | 8 | Not applicable (no rear door) | <a href="#">more</a> |
| V1135 — Luggage Partition Damagd         | 0 | No                            | <a href="#">more</a> |
| V1136 — Spare Tire Status                | 8 | Not collected                 | <a href="#">more</a> |
| V1137 — Trailer Hitch Type               | 0 | No hitch                      | <a href="#">more</a> |
| V1138 — Trailer Type                     | 0 | No trailer                    | <a href="#">more</a> |
| V1139 — Right Side Body Mount Separation | 8 | Not applicable (unitized)     | <a href="#">more</a> |
| V1140 — Upper Right A-pillar Separation  | 0 | No                            | <a href="#">more</a> |
| V1141 — Lower Right A-pillar Separation  | 0 | No                            | <a href="#">more</a> |
| V1142 — Upper Right B-pillar Separation  | 0 | No                            | <a href="#">more</a> |
| V1143 — Lower Right B-pillar Separation  | 0 | No                            | <a href="#">more</a> |
| V1144 — Upper Right C-pillar Separation  | 0 | No                            | <a href="#">more</a> |
| V1145 — Lower Right C-pillar Separation  | 0 | No                            | <a href="#">more</a> |

|  |   |                               |                      |
|--|---|-------------------------------|----------------------|
| V1146 — Upper Right D-pillar Separation          | 8   | Not applicable (not equipped) | <a href="#">more</a> |
| V1147 — Lower Right D-pillar Separation          | 8   | Not applicable (not equipped) | <a href="#">more</a> |
| V1148 — Right Front Door Opening Cause           | 00  | Door did not open             | <a href="#">more</a> |
| V1149 — Right Rear Door Opening Cause            | 00  | Door did not open             | <a href="#">more</a> |
| V1150 — Right Front Door Jammed Closed           | 0   | No                            | <a href="#">more</a> |
| V1151 — Right Rear Door Jammed Closed            | 0   | No                            | <a href="#">more</a> |
| V1152 — Van Rear Door Type                       | 8   | Not applicable (not a van)    | <a href="#">more</a> |
| V1153 — Windshield Cracked                       |    | Yes                           | <a href="#">more</a> |
| V1154 — Windshield Broken                        | 0   | No                            | <a href="#">more</a> |
| V1155 — Windshield Cracked or Broken by Occupant | 0   | No                            | <a href="#">more</a> |
| V1156 — Bond Separation Extent                   | 0   | None                          | <a href="#">more</a> |
| V1157 — Windshield Code                          |  | —                             | —                    |
| V1158 — Did Sun/T Roof Open                      | 0   | No                            | <a href="#">more</a> |

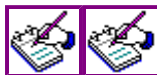
**Case Vehicle  
Steering  
Column/Rim**

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| Variable Number and Name                | Code Value | Code Description | Other Options        |
|---|------------|------------------|----------------------|
| V1201 — Steering Wheel Rim Damage       | 0          | None             | <a href="#">more</a> |
| V1202 — Number of Steering Wheel Spokes | 4          | 4 spokes         | <a href="#">more</a> |
| V1203 — Steering Wheel Spoke Damage     | 0          | None             | <a href="#">more</a> |
| V1204 — Column Tilt Feature             | 2          | Up               | <a href="#">more</a> |

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

## Case Vehicle Intrusion



Click for intrusion figures

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| Variable Number and Name                   | Code Value | Code Description           | Other Options        |
|--|------------|----------------------------|----------------------|
| V1301 — Occupant Compartment Intrusion     | 1          | Yes                        | <a href="#">more</a> |
| V1302 — Was Intrusion Catastrophic         | 0          | No                         | <a href="#">more</a> |
| V1303 — Intrusion Number 01                | 01         | Intrusion #1               | <a href="#">more</a> |
| V1304 — Intrusion 01 Occupant Space Number | 11         | First row, Left seat       | <a href="#">more</a> |
| V1305 — Intrusion 01 Intruding Object      | 04         | Floor pan                  | <a href="#">more</a> |
| V1306 — Intrusion 01 Assoc Event Number    | 1          | Event #1                   | <a href="#">more</a> |
| V1307 — Intrusion 01 Max Intrusion X-axis  | 00 cm      | 0 cm or No Intrusion       | <a href="#">more</a> |
| V1308 — Intrusion 01 Max Intrusion Y-axis  | 00 cm      | 0 cm or No Intrusion       | <a href="#">more</a> |
| V1309 — Intrusion 01 Max Intrusion Z-axis  | 10 cm      | —                          | —                    |
| V1310 — Intrusion 01 Occupant Number       | 00         | No contact or no intrusion | <a href="#">more</a> |
| V1311 — Intrusion 01 Injury Number         | 00         | No injury or no intrusion  | <a href="#">more</a> |

|  |       |                            |                      |
|--|-------|----------------------------|----------------------|
| V1312 — Intrusion 01 Occupant Number       | 00    | No contact or no intrusion | <a href="#">more</a> |
| V1313 — Intrusion 01 Injury Number         | 00    | No injury or no intrusion  | <a href="#">more</a> |
| V1314 — Intrusion Number 02                | 02    | Intrusion #2               | <a href="#">more</a> |
| V1315 — Intrusion 02 Occupant Space Number | 11    | First row, Left seat       | <a href="#">more</a> |
| V1316 — Intrusion 02 Intruding Object      | 03    | Toe pan                    | <a href="#">more</a> |
| V1317 — Intrusion 02 Assoc Event Number    | 1     | Event #1                   | <a href="#">more</a> |
| V1318 — Intrusion 02 Max Intrusion X-axis  | 09 cm | —                          | —                    |
| V1319 — Intrusion 02 Max Intrusion Y-axis  | 00 cm | 0 cm or No Intrusion       | <a href="#">more</a> |
| V1320 — Intrusion 02 Max Intrusion Z-axis  | 00 cm | 0 cm or No Intrusion       | <a href="#">more</a> |
| V1321 — Intrusion 02 Occupant Number       | 00    | No contact or no intrusion | <a href="#">more</a> |
| V1322 — Intrusion 02 Injury Number         | 00    | No injury or no intrusion  | <a href="#">more</a> |
| V1323 — Intrusion 02 Occupant Number       | 00    | No contact or no intrusion | <a href="#">more</a> |
| V1324 — Intrusion 02 Injury Number         | 00    | No injury or no intrusion  | <a href="#">more</a> |
| V1325 — Intrusion Number 03                | 03    | Intrusion #3               | <a href="#">more</a> |
| V1326 — Intrusion 03 Occupant Space Number | 11    | First row, Left seat       | <a href="#">more</a> |
| V1327 — Intrusion 03 Intruding Object      | 03    | Toe pan                    | <a href="#">more</a> |
| V1328 — Intrusion 03 Assoc Event Number    | 1     | Event #1                   | <a href="#">more</a> |
| V1329 — Intrusion 03 Max Intrusion X-axis  | 06 cm | —                          | —                    |
| V1330 — Intrusion 03 Max Intrusion Y-axis  | 00 cm | 0 cm or No Intrusion       | <a href="#">more</a> |
| V1331 — Intrusion 03 Max Intrusion Z-axis  | 00 cm | 0 cm or No Intrusion       | <a href="#">more</a> |
| V1332 — Intrusion 03 Occupant Number       | 00    | No contact or no intrusion | <a href="#">more</a> |
| V1333 — Intrusion 03 Injury Number         | 00    | No injury or no intrusion  | <a href="#">more</a> |
| V1334 — Intrusion 03 Occupant Number       | 00    | No contact or no intrusion | <a href="#">more</a> |
| V1335 — Intrusion 03 Injury Number         | 00    | No injury or no intrusion  | <a href="#">more</a> |
| V1336 — Intrusion Number 04                | 00    | No Intrusion, None         | <a href="#">more</a> |

|  |       |   |                      |
|--|-------|---|----------------------|
| V1337 — Intrusion 04 Occupant Space Number | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1338 — Intrusion 04 Intruding Object      | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1339 — Intrusion 04 Assoc Event Number    | 0     | No Intrusion, None                            | <a href="#">more</a> |
| V1340 — Intrusion 04 Max Intrusion X-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1341 — Intrusion 04 Max Intrusion Y-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1342 — Intrusion 04 Max Intrusion Z-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1343 — Intrusion 04 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1344 — Intrusion 04 Injury Number         | 00    | No injury or no intrusion                     | <a href="#">more</a> |
| V1345 — Intrusion 04 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1346 — Intrusion 04 Injury Number         | 99    | Contact, injury unknown or data not collected | <a href="#">more</a> |
| V1347 — Intrusion Number 05                | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1348 — Intrusion 05 Occupant Space Number | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1349 — Intrusion 05 Intruding Object      | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1350 — Intrusion 05 Assoc Event Number    | 0     | No Intrusion, None                            | <a href="#">more</a> |
| V1351 — Intrusion 05 Max Intrusion X-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1352 — Intrusion 05 Max Intrusion Y-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1353 — Intrusion 05 Max Intrusion Z-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1354 — Intrusion 05 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1355 — Intrusion 05 Injury Number         | 00    | No injury or no intrusion                     | <a href="#">more</a> |
| V1356 — Intrusion 05 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1357 — Intrusion 05 Injury Number         | 99    | Contact, injury unknown or data not collected | <a href="#">more</a> |
| V1358 — Intrusion Number 06                | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1359 — Intrusion 06 Occupant Space Number | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1360 — Intrusion 06 Intruding             | 00    |   |                      |

|  |       |   |                      |
|--|-------|---|----------------------|
| Object                                     |       | No Intrusion, None                            | <a href="#">more</a> |
| V1361 — Intrusion 06 Assoc Event Number    | 0     | No Intrusion, None                            | <a href="#">more</a> |
| V1362 — Intrusion 06 Max Intrusion X-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1363 — Intrusion 06 Max Intrusion Y-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1364 — Intrusion 06 Max Intrusion Z-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1365 — Intrusion 06 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1366 — Intrusion 06 Injury Number         | 00    | No injury or no intrusion                     | <a href="#">more</a> |
| V1367 — Intrusion 06 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1368 — Intrusion 06 Injury Number         | 99    | Contact, injury unknown or data not collected | <a href="#">more</a> |
| V1369 — Intrusion Number 07                | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1370 — Intrusion 07 Occupant Space Number | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1371 — Intrusion 07 Intruding Object      | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1372 — Intrusion 07 Assoc Event Number    | 0     | No Intrusion, None                            | <a href="#">more</a> |
| V1373 — Intrusion 07 Max Intrusion X-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1374 — Intrusion 07 Max Intrusion Y-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1375 — Intrusion 07 Max Intrusion Z-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1376 — Intrusion 07 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1377 — Intrusion 07 Injury Number         | 00    | No injury or no intrusion                     | <a href="#">more</a> |
| V1378 — Intrusion 07 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1379 — Intrusion 07 Injury Number         | 99    | Contact, injury unknown or data not collected | <a href="#">more</a> |
| V1380 — Intrusion Number 08                | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1381 — Intrusion 08 Occupant Space Number | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1382 — Intrusion 08 Intruding Object      | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1383 — Intrusion 08 Assoc Event Number    | 0     | No Intrusion, None                            | <a href="#">more</a> |

|  |       |   |                      |
|--|-------|---|----------------------|
| V1384 — Intrusion 08 Max Intrusion X-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1385 — Intrusion 08 Max Intrusion Y-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1386 — Intrusion 08 Max Intrusion Z-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1387 — Intrusion 08 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1388 — Intrusion 08 Injury Number         | 00    | No injury or no intrusion                     | <a href="#">more</a> |
| V1389 — Intrusion 08 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1390 — Intrusion 08 Injury Number         | 99    | Contact, injury unknown or data not collected | <a href="#">more</a> |
| V1391 — Intrusion Number 09                | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1392 — Intrusion 09 Occupant Space Number | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1393 — Intrusion 09 Intruding Object      | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1394 — Intrusion 09 Assoc Event Number    | 0     | No Intrusion, None                            | <a href="#">more</a> |
| V1395 — Intrusion 09 Max Intrusion X-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1396 — Intrusion 09 Max Intrusion Y-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1397 — Intrusion 09 Max Intrusion Z-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1398 — Intrusion 09 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1399 — Intrusion 09 Injury Number         | 00    | No injury or no intrusion                     | <a href="#">more</a> |
| V1400 — Intrusion 09 Occupant Number       | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1401 — Intrusion 09 Injury Number         | 99    | Contact, injury unknown or data not collected | <a href="#">more</a> |
| V1402 — Intrusion Number 10                | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1403 — Intrusion 10 Occupant Space Number | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1404 — Intrusion 10 Intruding Object      | 00    | No Intrusion, None                            | <a href="#">more</a> |
| V1405 — Intrusion 10 Assoc Event Number    | 0     | No Intrusion, None                            | <a href="#">more</a> |
| V1406 — Intrusion 10 Max Intrusion X-axis  | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1407 — Intrusion 10 Max Intrusion         | 00 cm |   |                      |



|   |       |   |                      |
|---|-------|---|----------------------|
| Y-axis  |       | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1408 — Intrusion 10 Max Intrusion Z-axis     | 00 cm | 0 cm or No Intrusion                          | <a href="#">more</a> |
| V1409 — Intrusion 10 Occupant Number          | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1410 — Intrusion 10 Injury Number            | 00    | No injury or no intrusion                     | <a href="#">more</a> |
| V1411 — Intrusion 10 Occupant Number          | 00    | No contact or no intrusion                    | <a href="#">more</a> |
| V1412 — Intrusion 10 Injury Number            | 99    | Contact, injury unknown or data not collected | <a href="#">more</a> |
| V1413 — Door Intrusion Number 01              | 88    | Not Applicable                                | <a href="#">more</a> |
| V1414 — Door Intrusion Number 01 Cause        | 8     | Not applicable                                | <a href="#">more</a> |
| V1415 — Door Intrusion Number 02              | 88    | Not Applicable                                | <a href="#">more</a> |
| V1416 — Door Intrusion Number 02 Cause        | 8     | Not applicable                                | <a href="#">more</a> |
| V1417 — Door Intrusion Number 03              | 88    | Not Applicable                                | <a href="#">more</a> |
| V1418 — Door Intrusion Number 03 Cause        | 8     | Not applicable                                | <a href="#">more</a> |
| V1419 — Door Intrusion 01 Component           | 88    | Not Applicable                                | <a href="#">more</a> |
| V1420 — Door Intrusion 01 Component Damaged 1 | 8     | Not Applicable                                | <a href="#">more</a> |
| V1421 — Door Intrusion 01 Component Damaged 2 | 8     | Not Applicable                                | <a href="#">more</a> |
| V1422 — Door Intrusion 02 Component           | 88    | Not Applicable                                | <a href="#">more</a> |
| V1423 — Door Intrusion 02 Component Damaged 1 | 8     | Not Applicable                                | <a href="#">more</a> |
| V1424 — Door Intrusion 02 Component Damaged 2 | 8     | Not Applicable                                | <a href="#">more</a> |
| V1425 — Door Intrusion 03 Component           | 88    | Not Applicable                                | <a href="#">more</a> |
| V1426 — Door Intrusion 03 Component Damaged 1 | 8     | Not Applicable                                | <a href="#">more</a> |
| V1427 — Door Intrusion 03 Component Damaged 2 | 8     | Not Applicable                                | <a href="#">more</a> |
| V1428 — Door Intrusion 04 Component           | 88    | Not Applicable                                | <a href="#">more</a> |
| V1429 — Door Intrusion 04 Component Damaged 1 | 8     | Not Applicable                                | <a href="#">more</a> |
| V1430 — Door Intrusion 04 Component Damaged 2 | 8     | Not Applicable                                | <a href="#">more</a> |

**Case Vehicle  
Airbag(s)**



[Click for Driver airbag figure](#)



[Click for Passenger airbag figure](#)

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| Variable Number and Name                   | Code Value | Code Description | Other Options        |
|--|------------|------------------|----------------------|
| V1501 — Driver Airbag Equipped             | 1          | Yes              | <a href="#">more</a> |
| V1502 — Driver Airbag Deployed             | 1          | Yes              | <a href="#">more</a> |
| V1503 — Driver Airbag Condition            | 0          | No Damage        | <a href="#">more</a> |
| V1504 — Passenger Airbag Equip             | 1          | Yes              | <a href="#">more</a> |
| V1505 — Passenger Airbag Deployed          | 1          | Yes              | <a href="#">more</a> |
| V1506 — Passenger Airbag Condition         | 0          | No Damage        | <a href="#">more</a> |
| V1507 — Steering Wheel Airbag Tether       | 0          | No               | <a href="#">more</a> |
| V1508 — Driver Airbag Marked By Contact    | 1          | Yes              | <a href="#">more</a> |
| V1509 — Passenger Airbag Tether            | 1          | Yes              | <a href="#">more</a> |
| V1510 — Passenger Airbag Marked By Contact | 0          | No               | <a href="#">more</a> |

**Case Vehicle  
Interior**

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| Variable Number and Name             | Code Value | Code Description | Other Options        |
|--------------------------------------|------------|------------------|----------------------|
| V1601 — Left Front Door Damaged      | 0          | No               | <a href="#">more</a> |
| V1602 — Right Front Door Damaged     | 0          | No               | <a href="#">more</a> |
| V1603 — Left Front Hardware Damaged  | 0          | No               | <a href="#">more</a> |
| V1604 — Right Front Hardware Damaged | 0          | No               | <a href="#">more</a> |
| V1605 — Left Front Armrest Damaged   | 0          | No               | <a href="#">more</a> |
| V1606 — Right Front Armrest Damaged  | 0          | No               | <a href="#">more</a> |
| V1607 — Left Front Glass Damaged     | 0          | No               | <a href="#">more</a> |
| V1608 — Right Front Glass Damaged    | 0          | No               | <a href="#">more</a> |
| V1609 — Left Rear Door Area Damaged  | 0          | No               | <a href="#">more</a> |

|                                       |   |                       |                      |
|---------------------------------------|---|-----------------------|----------------------|
| V1610 — Right Rear Door Area Damaged  | 0 | No                    | <a href="#">more</a> |
| V1611 — Left Rear Hardware Damaged    | 0 | No                    | <a href="#">more</a> |
| V1612 — Right Rear Hardware Damaged   | 0 | No                    | <a href="#">more</a> |
| V1613 — Left Rear Armrest Damaged     | 0 | No                    | <a href="#">more</a> |
| V1614 — Right Rear Armrest Damaged    | 0 | No                    | <a href="#">more</a> |
| V1615 — Left Rear Glass Damaged       | 0 | No                    | <a href="#">more</a> |
| V1616 — Right Rear Glass Damaged      | 0 | No                    | <a href="#">more</a> |
| V1617 — Left Roof Side Rail Damaged   | 0 | No                    | <a href="#">more</a> |
| V1618 — Right Roof Side Rail Damaged  | 0 | No                    | <a href="#">more</a> |
| V1619 — Left B-pillar Damaged         | 0 | No                    | <a href="#">more</a> |
| V1620 — Right B-pillar Damaged        | 0 | No                    | <a href="#">more</a> |
| V1621 — Left C-pillar Damaged         | 0 | No                    | <a href="#">more</a> |
| V1622 — Right C-pillar Damaged        | 0 | No                    | <a href="#">more</a> |
| V1623 — Left D-pillar Damaged         | 8 | Not applicable        | <a href="#">more</a> |
| V1624 — Right D-pillar Damaged        | 8 | Not applicable        | <a href="#">more</a> |
| V1625 — Left Headlining Damaged       | 4 | Yes, occupant contact | <a href="#">more</a> |
| V1626 — Right Headlining Damaged      | 0 | No                    | <a href="#">more</a> |
| V1627 — Left Roof Structure Damaged   | 0 | No                    | <a href="#">more</a> |
| V1628 — Right Roof Structure Damaged  | 0 | No                    | <a href="#">more</a> |
| V1629 — Left T/Sun Roof Damaged       | 3 | No, occupant contact  | <a href="#">more</a> |
| V1630 — Right T/Sun Roof Damaged      | 0 | No                    | <a href="#">more</a> |
| V1631 — Other Left Side Item Damaged  | 8 | Not applicable        | <a href="#">more</a> |
| V1632 — Other Right Side Item Damaged | 8 | Not applicable        | <a href="#">more</a> |
| V1633 — Foot Controls Damaged         | 4 | Yes, occupant contact | <a href="#">more</a> |
| V1634 — Ignition Key Damaged          | 0 | No                    | <a href="#">more</a> |
| V1635 — Rear View Mirror Damaged      | 0 | No                    | <a href="#">more</a> |
| V1636 — Sunvisor/Fitting Damaged      | 0 | No                    | <a href="#">more</a> |
| V1637 — Windshield Molding Damaged    | 0 | No                    | <a href="#">more</a> |
| V1638 — Left A-pillar Damaged         | 0 | No                    | <a href="#">more</a> |

|  |   |                       |                      |
|--|---|-----------------------|----------------------|
| V1639 — Right A-pillar Damaged         | 0 | No                    | <a href="#">more</a> |
| V1640 — Center Console Damaged         | 1 | Yes                   | <a href="#">more</a> |
| V1641 — Transmission Lever Damaged     | 1 | Yes                   | <a href="#">more</a> |
| V1642 — Horn/Spoke Shroud Damaged      | 0 | No                    | <a href="#">more</a> |
| V1643 — Upper Panel Damaged            | 0 | No                    | <a href="#">more</a> |
| V1644 — Mid Panel Damaged              | 0 | No                    | <a href="#">more</a> |
| V1645 — Lower Panel Damaged            | 4 | Yes, occupant contact | <a href="#">more</a> |
| V1646 — Ashtray Damaged                | 0 | No                    | <a href="#">more</a> |
| V1647 — Control Knob/Lever Damaged     | 0 | No                    | <a href="#">more</a> |
| V1648 — Glove Compartment Area Damaged | 0 | No                    | <a href="#">more</a> |
| V1649 — Instruments Damaged            | 0 | No                    | <a href="#">more</a> |
| V1650 — Park Brake Release Damaged     | 0 | No                    | <a href="#">more</a> |
| V1651 — Park Brake Pedal Damaged       | 8 | Not applicable        | <a href="#">more</a> |
| V1652 — A/C Or Upper Vent Damaged      | 0 | No                    | <a href="#">more</a> |
| V1653 — Heater Or A/C Duct Damaged     | 0 | No                    | <a href="#">more</a> |
| V1654 — Radio Damaged                  | 0 | No                    | <a href="#">more</a> |
| V1655 — Other Item Damaged             | 8 | Not applicable        | <a href="#">more</a> |
| V1656 — Rear Window Damaged            | 0 | No                    | <a href="#">more</a> |
| V1657 — Rear Window Header Damaged     | 0 | No                    | <a href="#">more</a> |
| V1658 — Vertical Console Damaged       | 4 | Yes, occupant contact | <a href="#">more</a> |
| V1659 — Roof Console Damaged           | 8 | Not applicable        | <a href="#">more</a> |

## Case Vehicle Seats

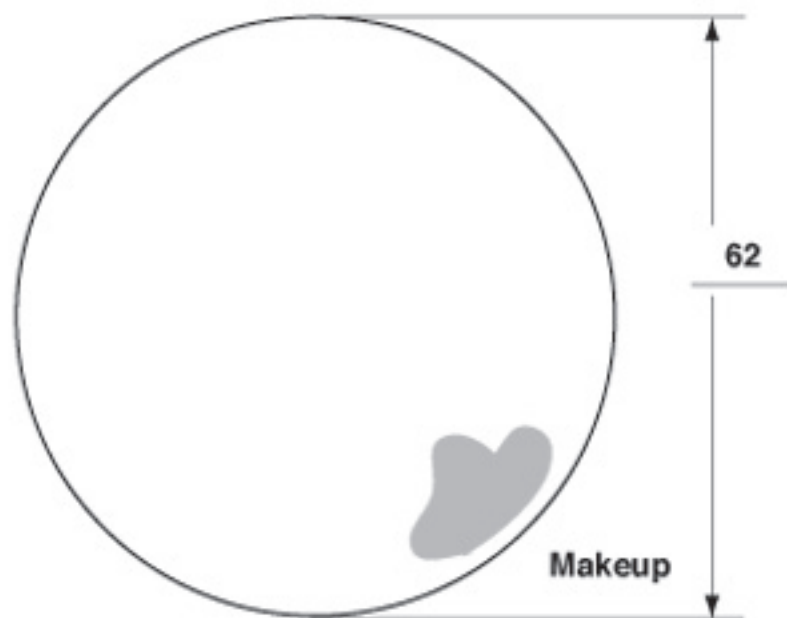
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| Variable Number and Name                 | Code Value | Code Description | Other Options        |
|--|------------|------------------|----------------------|
| V1701 — Driver Front Seat Type           | 05         | Bucket           | <a href="#">more</a> |
| V1702 — Passenger Front Seat Type        | 05         | Bucket           | <a href="#">more</a> |
| V1703 — Driver Seat Mount Type           | 1          | Standard         | <a href="#">more</a> |
| V1704 — Passenger Seat Mount Type        | 1          | Standard         | <a href="#">more</a> |
| V1705 — Driver Swivel Mechanism Equipped | 0          | No               | <a href="#">more</a> |

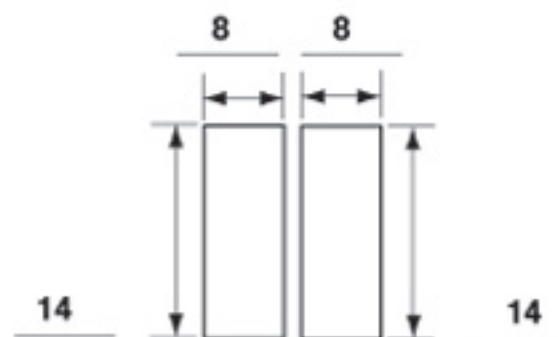
|  |   |                |                      |
|--|---|----------------|----------------------|
| V1706 — Passenger Swivel Mechanism Equipped  | 0 | No             | <a href="#">more</a> |
| V1707 — Driver Seat Original Equipment       | 1 | Yes            | <a href="#">more</a> |
| V1708 — Passenger Seat Original Equipment    | 1 | Yes            | <a href="#">more</a> |
| V1709 — Driver Seat/Rear Occupant Contact    | 8 | Not applicable | <a href="#">more</a> |
| V1710 — Passenger Seat/Rear Occupant Contact | 8 | Not applicable | <a href="#">more</a> |
| V1711 — Driver Seat Damage                   | 0 | None           | <a href="#">more</a> |
| V1712 — Passenger Seat Damage                | 0 | None           | <a href="#">more</a> |
| V1713 — Center Front Armrest Damaged         | 0 | No             | <a href="#">more</a> |
| V1714 — Driver Seat Rotation                 | 0 | None apparent  | <a href="#">more</a> |
| V1715 — Passenger Seat Rotation              | 0 | None apparent  | <a href="#">more</a> |
| V1716 — Driver Seat-back Type                | 3 | Reclining      | <a href="#">more</a> |
| V1717 — Passenger Seat-back Type             | 3 | Reclining      | <a href="#">more</a> |
| V1718 — Driver Seat-back Lock Type           | 1 | Manual         | <a href="#">more</a> |
| V1719 — Passenger Seat-back Lock Type        | 1 | Manual         | <a href="#">more</a> |
| V1720 — Driver Seat-back Lock Held           | 1 | Yes            | <a href="#">more</a> |
| V1721 — Passenger Seat-back Lock Held        | 1 | Yes            | <a href="#">more</a> |
| V1722 — Driver Recliner Mechanism Held       | 1 | Yes            | <a href="#">more</a> |
| V1723 — Passenger Recliner Mechanism Held    | 1 | Yes            | <a href="#">more</a> |
| V1724 — Driver Head Restraint Type           | 1 | Adjustable     | <a href="#">more</a> |
| V1725 — Passenger Head Restraint Type        | 1 | Adjustable     | <a href="#">more</a> |
| V1726 — Driver Head Rest Removed             | 0 | No             | <a href="#">more</a> |
| V1727 — Passenger Head Rest Removed          | 0 | No             | <a href="#">more</a> |
| V1728 — Driver Head Rest Adjustment          | 2 | Down           | <a href="#">more</a> |
| V1729 — Passenger Head Rest Adjustment       | 2 | Down           | <a href="#">more</a> |
|  |   |                |                      |

|  |   |                                    |                      |
|--|---|------------------------------------|----------------------|
| V1730 — Driver Head Rest Damage                | 0 | None                               | <a href="#">more</a> |
| V1731 — Passenger Head Rest Damage             | 0 | None                               | <a href="#">more</a> |
| V1732 — Driver Seat Adjustment Type            | 1 | Manual                             | <a href="#">more</a> |
| V1733 — Passenger Seat Adjustment Type         | 1 | Manual                             | <a href="#">more</a> |
| V1734 — Driver Seat Adjustment Provided        | 1 | 2-way                              | <a href="#">more</a> |
| V1735 — Passenger Seat Adjustment Provided     | 1 | 2-way                              | <a href="#">more</a> |
| V1736 — Driver Seat Adjuster Damage            | 0 | None                               | <a href="#">more</a> |
| V1737 — Passenger Seat Adjuster Damage         | 0 | None                               | <a href="#">more</a> |
| V1738 — Driver Seat Adjuster Separation        | 8 | Not applicable                     | <a href="#">more</a> |
| V1739 — Passenger Seat Adjuster Separation     | 8 | Not applicable                     | <a href="#">more</a> |
| V1740 — Driver Seat Pre-crash Position         | 3 | Rearward                           | <a href="#">more</a> |
| V1741 — Passenger Seat Pre-crash Position      | 3 | Rearward                           | <a href="#">more</a> |
| V1742 — Left Rear Seat Type                    | 1 | Non-folding                        | <a href="#">more</a> |
| V1743 — Right Rear Seat Type                   | 1 | Non-folding                        | <a href="#">more</a> |
| V1744 — Left Rear Seat Damaged                 | 0 | None                               | <a href="#">more</a> |
| V1745 — Right Rear Seat Damaged                | 0 | None                               | <a href="#">more</a> |
| V1746 — Center Rear Armrest Damaged            | 8 | Not applicable (No Center Armrest) | <a href="#">more</a> |
| V1747 — Left Rear Seat-back Left Lock Equipped | 8 | Not applicable                     | <a href="#">more</a> |

Driver Airbag



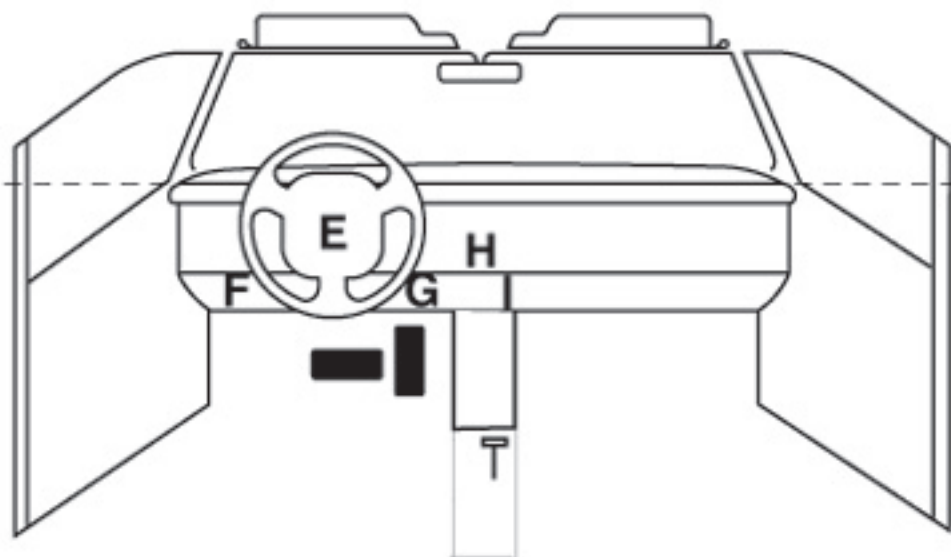
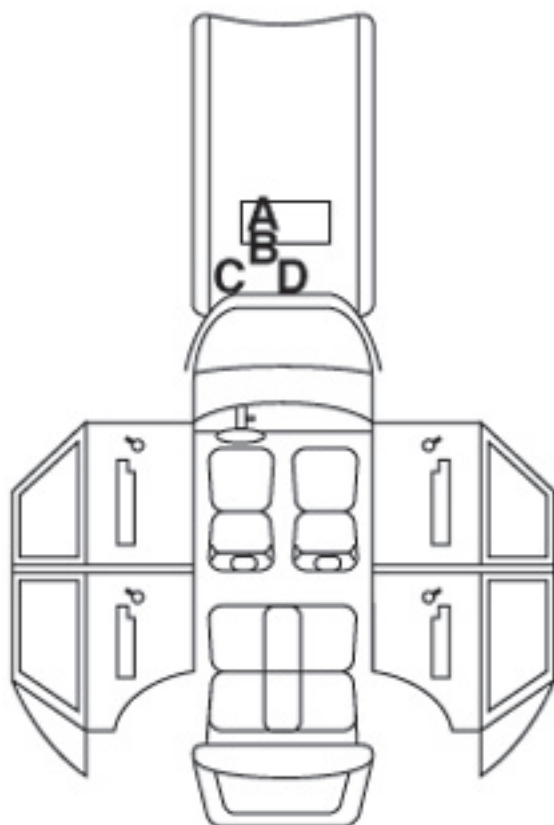
Driver Airbag Doors



Vents:  Y  N  
if yes, how many: 2

at 1 and 11 o'clock

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



**A = sun roof, scuffmark**

**B = roof headliner, food or skin deposit**

**C = roof headliner, skin deposit or scuffmark**

**D = roof headliner, scuffmark**

**E = airbag, makeup and lipstick**

**F = knee bolster, scuffmark, dent and vent outlet knocked out**

**G = knee bolster, scuffmark**

**H = vertical console, scuffmark**

**I = vertical console, scuffmark**



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 |                          |
| Driver                | floor pan                      |                                       | – | =              | 10          | up                       |
| Driver                | toe pan at brake pedal         | 118                                   | – | 109            | = 9         | rear                     |
| Driver                | toe pan below lt. knee contact | 110                                   | – | 104            | = 6         | rear                     |
|                       |                                |                                       | – | =              |             |                          |
|                       |                                |                                       | – | =              |             |                          |
|                       |                                |                                       | – | =              |             |                          |
|                       |                                |                                       | – | =              |             |                          |
|                       |                                |                                       | – | =              |             |                          |
|                       |                                |                                       | – | =              |             |                          |
|                       |                                |                                       | – | =              |             |                          |

OCCUPANT CONTACT WORKSHEET

| Contact | Interior Component Contacted | Occupant if Known | Body Region if Known | Supporting Physical Evidence                | Confidence Level of Contact Point |
|---------|------------------------------|-------------------|----------------------|---|-----------------------------------|
| A       | Sunroof                      | DR                | head/hand            | scuffmark                                   | 2                                 |
| B       | Roof headliner               | DR                | head/hand            | food or skin deposit                        | 2                                 |
| C       | Roof headliner               | DR                | head/hand            | skin deposit or scuffmark                   | 2                                 |
| D       | Roof headliner               | DR                | head/hand            | scuffmark                                   | 2                                 |
| E       | Airbag                       | DR                | Face                 | makeup and lipstick                         | 1                                 |
| F       | Knee bolster                 | DR                | Lt. LX               | scuffmark, dent and vent outlet knocked out | 1                                 |
| G       | Knee bolster                 | DR                | Rt. LX               | scuffmark                                   | 1                                 |
| H       | Vertical console             | DR                | Rt. hand             | scuffmark                                   | 2                                 |
| I       | Vertical console             | DR                | Rt. hand             | scuffmark                                   | 2                                 |



**Windshield cracked on the lower left due to hood contact**

WINDSHIELD MARK ON CASE VEHICLE:

SHADED  
SOLAR-RAY

SAFETY



FLO-LITE

AS-1

C...

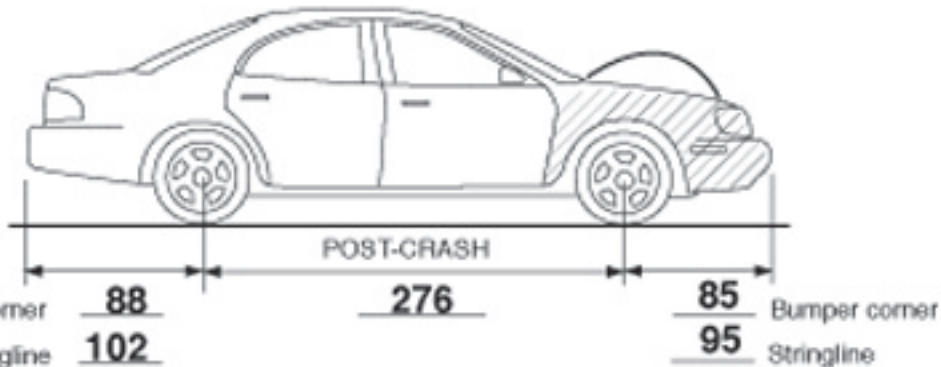
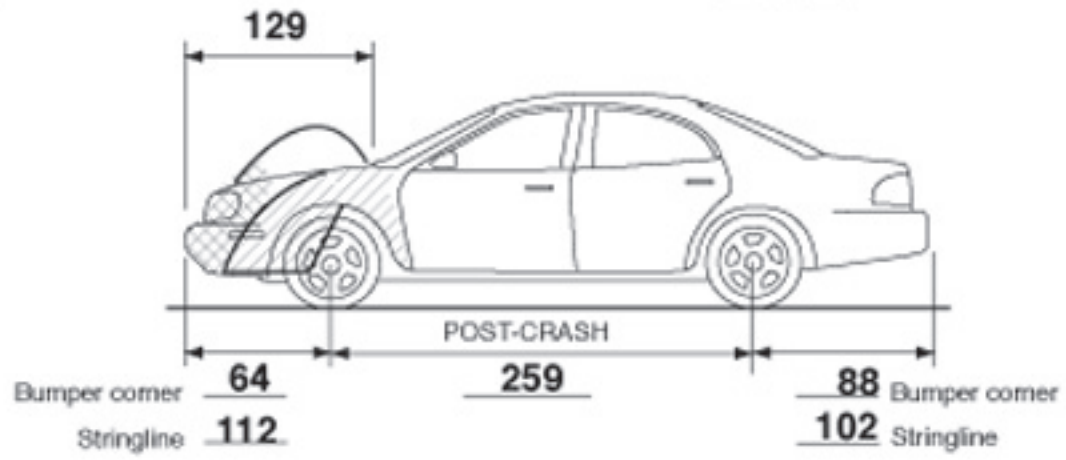
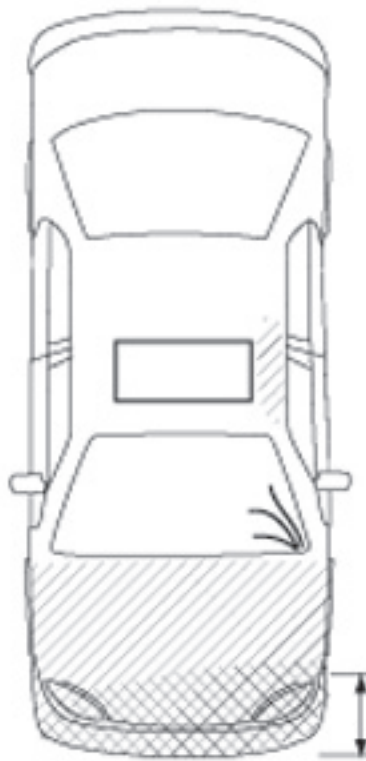
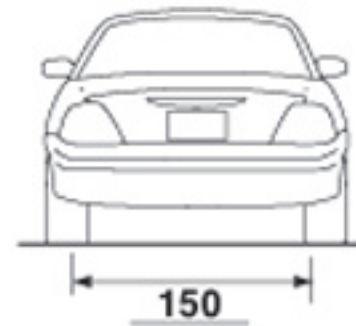
LAMINATED

N A

DOT15 M10

MADE IN CANADA

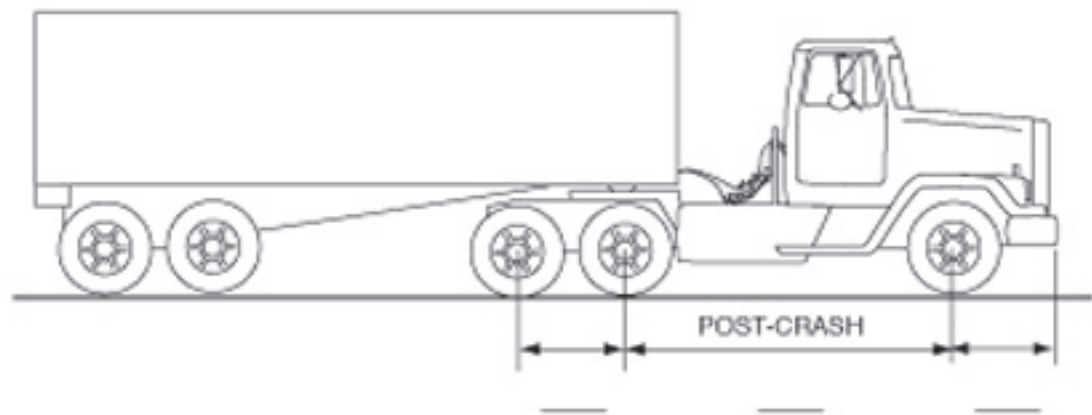
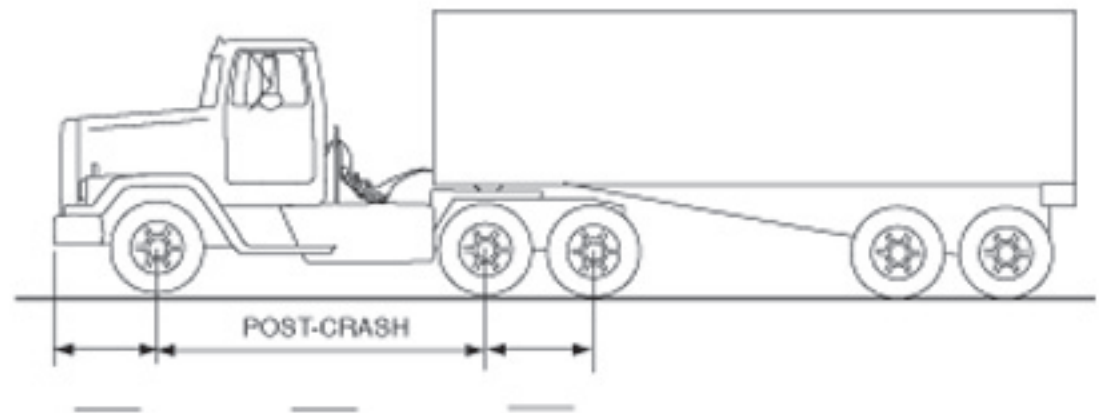
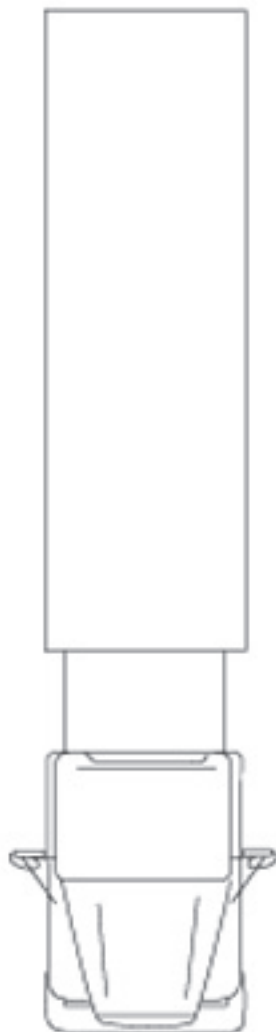
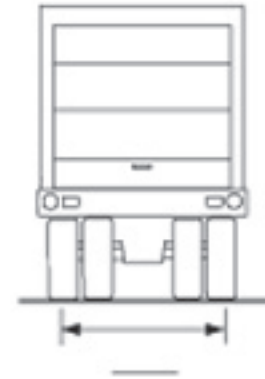
MEASUREMENTS IN CENTIMETERS



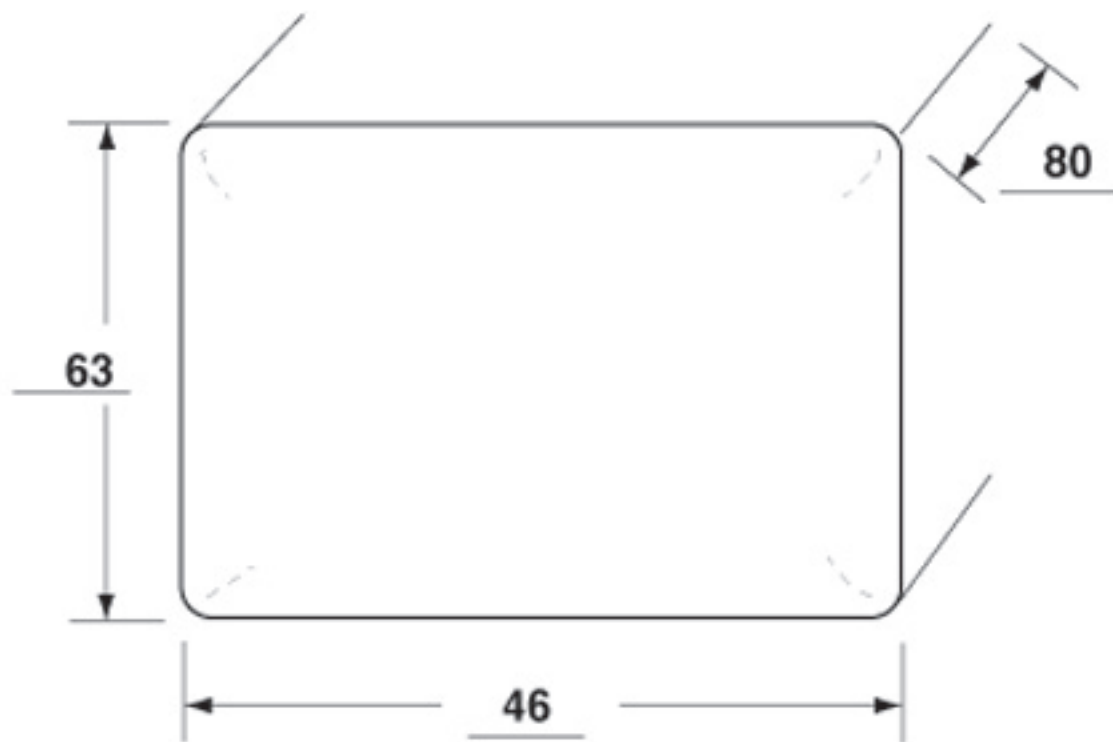
**Max. crush to left-front bumper**

MEASUREMENTS IN CENTIMETERS

**This vehicle was driven away from the accident scene and was not inspected**

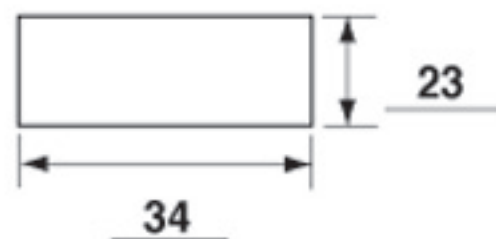


### Passenger Airbag



### Passenger Airbag Doors

#### Single Door



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

Tethers:  Y N **2**  
if yes, how many: \_\_\_\_\_















































MONSOON

PREP  
PUSH VOL  
TUNE  
SELECT  
PUSH EQ

THEFT LOCK

FM  
TUNE  
EQ  
INFO  
TRAF  
HR  
MIN

OFF  
5

MAX

A/C

FRONT



















1 FT & IN

2 3/16

MADE IN USA

10

P.R. APP'D 260 TC

CENTERS

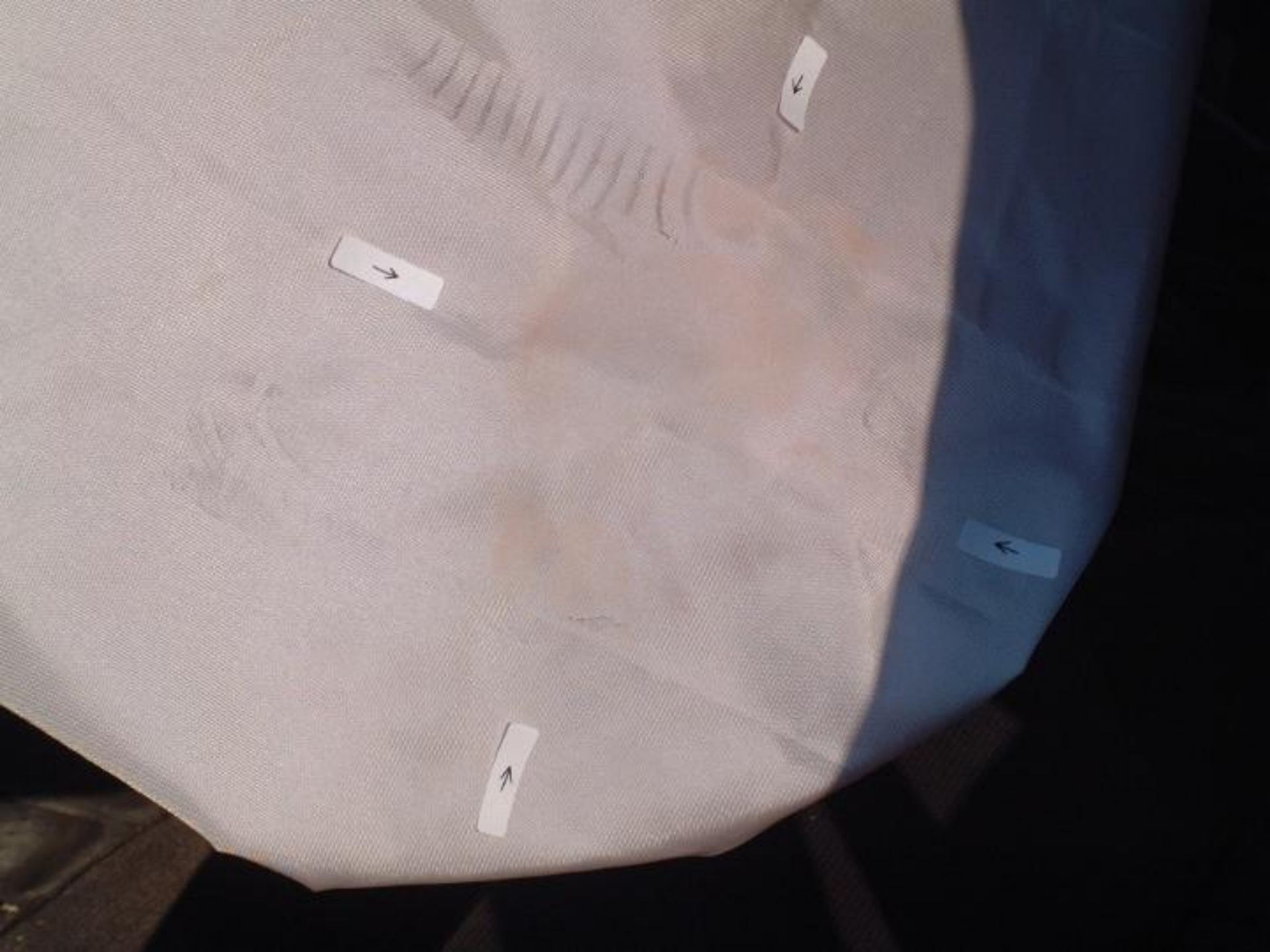
ON  
OFF

SET  
COAST

























PONTIAC

AZTEK







































STERLING



















