

Case 468 : Narrative

| |
|-----------------------------------|
| Case Vehicle (A): 1999 Mitsubishi |
| Type: Galant, 4-door sedan |
| Driver: 24-year-old male |
| CDC: 12-FCEN-4 |

This is a fatal crash. The 4-year-old left-rear male passenger of case vehicle (A) died from head/neck injuries sustained during this pole-type frontal crash.

SITUATION

1 It was cloudy and dark early in the morning but the north-south, four-lane urban asphalt road was illuminated by streetlights 2 as case vehicle (A) was traveling south at an unknown speed in the left southbound lane. As the vehicle approached a bridge that crosses over a limited-access freeway, 3 4 the driver of case vehicle (A) reportedly fell asleep. 5 6 7 Case vehicle (A) crossed the centerline and both northbound lanes, departed the left side of the road, 8 and the center of the vehicle front end struck the end of a concrete bridge abutment. Case vehicle (A) came to rest against the bridge abutment and was towed due to damage.

The police accident report indicates C-level injuries for the male driver and K-level injuries to the left-rear child passenger of case vehicle (A). The driver was transported by ambulance to a local hospital, where he was treated for minor injuries and released. The left-rear child passenger was also transported to a local hospital and pronounced dead shortly after arrival.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

9 Damage to the front of case vehicle (A) was severe. Direct damage was confined to the center of the front end and included the bumper, the grille, the radiator, the engine block, and the hood. The maximum crush was 80 cm and it occurred at the center of the front bumper.

Using the WinSMASH crash-reconstruction program and a crush profile measured for 10 case vehicle (A) at the level of the bumper, the following impact severity was estimated:

| | | Estimated Velocity Change - kph (mph) | | |
|------------------|----------|---------------------------------------|--------------|-------------|
| Vehicle | Variable | Total | Longitudinal | Latitudinal |
| Case vehicle (A) | delta V | 69 (43) | -69 (-43) | 0 (0) |

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

[11](#) In the front, the centers of the bumper and hood were crushed rearward past the plane of the radiator supports, and the middle of the hood was buckled up. The hood latch was damaged and jammed closed, the left hood hinge was bent to the right, and the right hood hinge was bent rearward. The rear edge of the hood was elevated but it did not contact the windshield, which was cracked from cowl and upper-right A-pillar distortion as well as from contact by the deploying dash-mounted airbag.

[12](#) [13](#) On the left side, the front section of the fender was buckled rearward and pushed in, and the left-front wheel was displaced rearward, which reduced the left wheelbase by 3 cm. The driver door was jammed shut but the left-rear door was closed and operational. There was no damage to the left-side windows and there was no other damage on the left side of the vehicle.

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

[15](#) [16](#) On the right side, the front portion of the fender was displaced rearward and the middle of the fender was buckled out. The right-front wheel was displaced rearward, which reduced the right wheelbase by 11 cm. The upper portion of the right A-pillar was slightly deformed and there was misalignment between the right-front door, the right A-pillar, and the roof siderail. [17](#) The right side of the roof was slightly deformed due to right A-pillar distortion, but the sunroof was not damaged. The right-front and right-rear doors were closed and operational, there was no damage to the right-side windows, and there was no other damage to the right side of the vehicle.

Interior

This vehicle was equipped with steering-wheel and dash-mounted frontal-impact airbags, and both deployed during the frontal impact with the bridge abutment. [18](#) [19](#) [20](#) In the driver area, there was no damage to the deployed steering-wheel airbag and there were no occupant contact marks. [21](#) All four of the steering-wheel spokes were slightly deformed and the upper-left portion of the steering-wheel rim was deflected forward approximately 3 cm. [22](#) [23](#) The right portion of the driver instrument panel was displaced rearward, resulting in contact with the control stalks mounted on the right side of the steering column, and the right side of the column shroud was deformed. [24](#) [25](#) There was no rearward intrusion or rotation of the steering column. [26](#) The left side of the driver knee bolster was cracked from contact by the driver's left knee and [27](#) the right side was scuffed, deformed, and displaced rearward. [25](#) The upper instrument panel was not damaged but the left air vent was displaced slightly from its fitting. [28](#) The toe pan was displaced rearward and the floor pan forward of the accelerator pedal was buckled and displaced up. [29](#) The accelerator pedal was deformed and dislodged from the linkage. [41](#) The windshield was cracked throughout from body distortion, [30](#) [31](#) [32](#) there were six distinct blood spots on the front surface of the driver sunvisor, and [33](#) [34](#) there was also a scuffmark on the left side of the visor. [35](#) [36](#) [37](#) There was a cloth transfer on, and a dent in, the forward portion of the driver-door interior. [38](#) [39](#) [40](#) The driver seat was in a mid-track position and the seat was not damaged.

[42](#) [43](#) [44](#) [45](#) In the center-front position, the vertical console was displaced rearward, more on the right than on the left. The climate and entertainment-system control panel was deformed and displaced rearward, and the air vents were displaced from their fittings. The floor console and fold-down center armrest were not damaged. The center of the windshield was cracked throughout, [46](#) [47](#) the rearview mirror was displaced from its mount, and the mirror was cracked.

[43](#) In the right-front seating area, the instrument panel, the knee bolster, and the toe pan were displaced rearward. [48](#) The glove-box door was open and would not close and [49](#) there was a crack in the windshield from contact by the deploying dash-mounted airbag. [50](#) There was a black scuffmark on the front of the dash-mounted airbag. [51](#) [52](#) The right-front seat was in a mid-track position and [53](#) [54](#) there

was blood on the center of the backrest, but the seat was not damaged.

[55](#) [56](#) [57](#) [58](#) [59](#) [60](#) [61](#) [62](#) In the left-rear seating position, there were bloodstains over approximately 60 cm of the seatbelt webbing, on the plastic loop of the sliding latch plate, and on the buckle receptacle. [61](#) There was also blood on the left C-pillar near the seatbelt retractor. [63](#) There was no damage to the seat but there was a round indentation in the seatback about 42 cm above the seat cushion. [64](#) There were bloodstains on the seat cushion, primarily on left side and continuing into the center area. [65](#) There was also blood on the left-rear roof siderail and on the garment hook. [66](#) The garment hook was not damaged but a small panel covering the mounting screw was missing. [71](#) [72](#) There was also blood smeared on the roof over the left-rear seat.

[73](#) In the center-rear position, there were bloodstains on the seat cushion and on the non-retractable center lap belt. [74](#) [75](#) [76](#) [77](#) [78](#) [79](#) There was also blood spattered on the roof just behind the sunroof. There was no damage to the seat or seat backrest but [80](#) [81](#) [82](#) [83](#) [84](#) there were bloodstains on both.

[85](#) [86](#) [87](#) [89](#) [90](#) In the right-rear seating position, there were bloodstains on the left side of the seatback, on the roof liner, and on the back of the right-front-seat headrest. [88](#) There were several scuffmarks on the back of the right-front seatback, probably from normal wear during occupant ingress/egress.

The following intrusions were noted and measured:

| Location | Component | Distance (cm) | Direction |
|--------------|-------------------------------------|---------------|-----------|
| driver | toe pan 91 | 11 | to rear |
| | floor | 6 | up |
| | instrument panel 45 | 4 | to rear |
| center front | instrument panel 44 | 5 | to rear |
| right front | toe pan 92 | 21 | to rear |
| | instrument panel 93 | 20 | to rear |

OCCUPANT KINEMATICS AND INJURIES

The 24-year-old male driver was using the three-point belt [94](#) [95](#) and the steering-wheel airbag deployed. [94](#) [95](#) Belt use is indicated by loading marks on the D-ring and belt webbing. During the frontal impact, the driver moved forward relative to the vehicle interior into the belt restraints, the airbag, and the knee bolster. He sustained abrasions to the left side of the neck and to both hips from contact with, and loading by, the shoulder and lap belts, respectively. He sustained a contusion to the right shoulder from an unknown source, and he sustained a mild closed head injury probably, probably from non-contact head accelerations.

[96](#) The 112 cm, 23 kg (3 ft 8 in, 50-lb), 4-year-old male left-rear passenger was using the available 3-point belt without a child booster seat. [56](#) [57](#) [58](#) [59](#) [60](#) Belt use is indicated by bloodstains on portions of the belt webbing that would not have been accessible if the belt was in a retracted mode.

During the frontal impact, the child moved forward relative to the vehicle interior, into the belt restraints. He sustained abrasions to the right eyebrow, left cheek, left ear lobe, and inner aspect of the upper lip, probably from contact with the back of the driver seatback. He sustained abrasions to the dorsum of the left hand and fingers probably from contact with the driver seatback [67](#) [68](#) [69](#) [70](#) . He

sustained an abrasion to the left hip, a mesenteric hematoma, and contusions/serosal hemorrhages to the sigmoid colon and jejunum from loading by the lap belt. He sustained a contusion and hemorrhage to the neck muscle overlying the thyroid gland and upper esophagus, and he sustained a contusion to the lower lobe of the right lung from loading by the shoulder belt. He sustained several fatal upper-neck and brain injuries, including subarachnoid hemorrhage in the left cerebrum and inferior cerebellum, subdural hemorrhage in the left cerebrum, an atlanto-occipital fracture, and a laceration/transection of the ponto-medullary junction, probably from non-contact angular and linear accelerations of the head that resulted in tensile forces and flexion moments on the upper cervical spine. The child was pronounced dead shortly after arrival at the local hospital. An invasive autopsy was conducted and the cause of death was listed as ?blunt force head and neck trauma.?

The following tables and attached drawings [97](#) [98](#) summarize the injuries for the restrained driver and left-rear passenger of case vehicle (A).

| Occupant: Driver | Age: 24 years | Gender: Male | | |
|---|------------------|---------------|--------------------------------|----------|
| Restraints: 3-point belt; steering-wheel airbag | Stature: Unknown | Mass: Unknown | | |
| Injury Description | A.I.S. | Injury Source | | |
| | | Definite | Probable | Possible |
| — | — | | | |
| Abrasion, left side of neck | 1 | Shoulder belt | — | — |
| Abrasion, left hip | 1 | Lap belt | — | — |
| Abrasion, right hip | 1 | Lap belt | — | — |
| Contusion, right shoulder | 1 | Unknown | — | — |
| Closed head injury (mild) | 2 | — | Non-contact head accelerations | — |
| Maximum A.I.S. Level | 2 | — | — | — |
| Injury Severity Score | 5 | — | — | — |

| Occupant: Left rear | Age: 4 years | Gender: Male | | |
|--|------------------------------|---------------------|-------------------------|----------|
| Restraints: 3-point belt | Stature: 112 cm (3 ft, 8 in) | Mass: 23 kg (50 lb) | | |
| Injury Description | A.I.S. | Injury Source | | |
| | | Definite | Probable | Possible |
| — | — | | | |
| Abrasions, right eyebrow, left cheek, left ear lobe, upper inner lip | 1 | — | Back of driver seatback | — |
| Abrasion, left hip | 1 | Lap belt | — | — |
| Abrasions, dorsum of left hand and fingers | 1 | — | Back of driver seatback | — |
| Contusion/hemorrhage neck muscle | 1 | Shoulder | — | — |

| | | | | |
|---|----|---------------|--|---|
| over thyroid and upper esophagus | | belt | | |
| Subarachnoid hemorrhage left cerebrum | 3 | — | Non-contact head accelerations | — |
| Subdural hemorrhage left cerebrum | 4 | — | Non-contact head accelerations | — |
| Subarachnoid hemorrhage inferior cerebellum | 3 | — | Non-contact head accelerations | — |
| Atlanto-occipital fracture | 2 | — | Neck flexion/tension due to non-contact head accelerations | — |
| Laceration/transection of the ponto-medullary junction | 6 | — | Neck flexion/tension due to non-contact head accelerations | — |
| Pulmonary contusion, lower lobe of right lung | 3 | Shoulder belt | — | — |
| Contusion/serosal hemorrhage sigmoid colon | 2 | Lap belt | — | — |
| Contusion/serosal hemorrhage jejunum | 2 | Lap belt | — | — |
| Mesenteric hematoma | 2 | Lap belt | — | — |
| Maximum A.I.S. Level | 6 | — | — | — |
| Injury Severity Score | 75 | — | — | — |
| FATAL - Autopsy - Cause of death listed as "Blunt force head and neck trauma" | — | — | — | — |

CASE NO.: 468

CASE VEHICLE: 1999 Mitsubishi

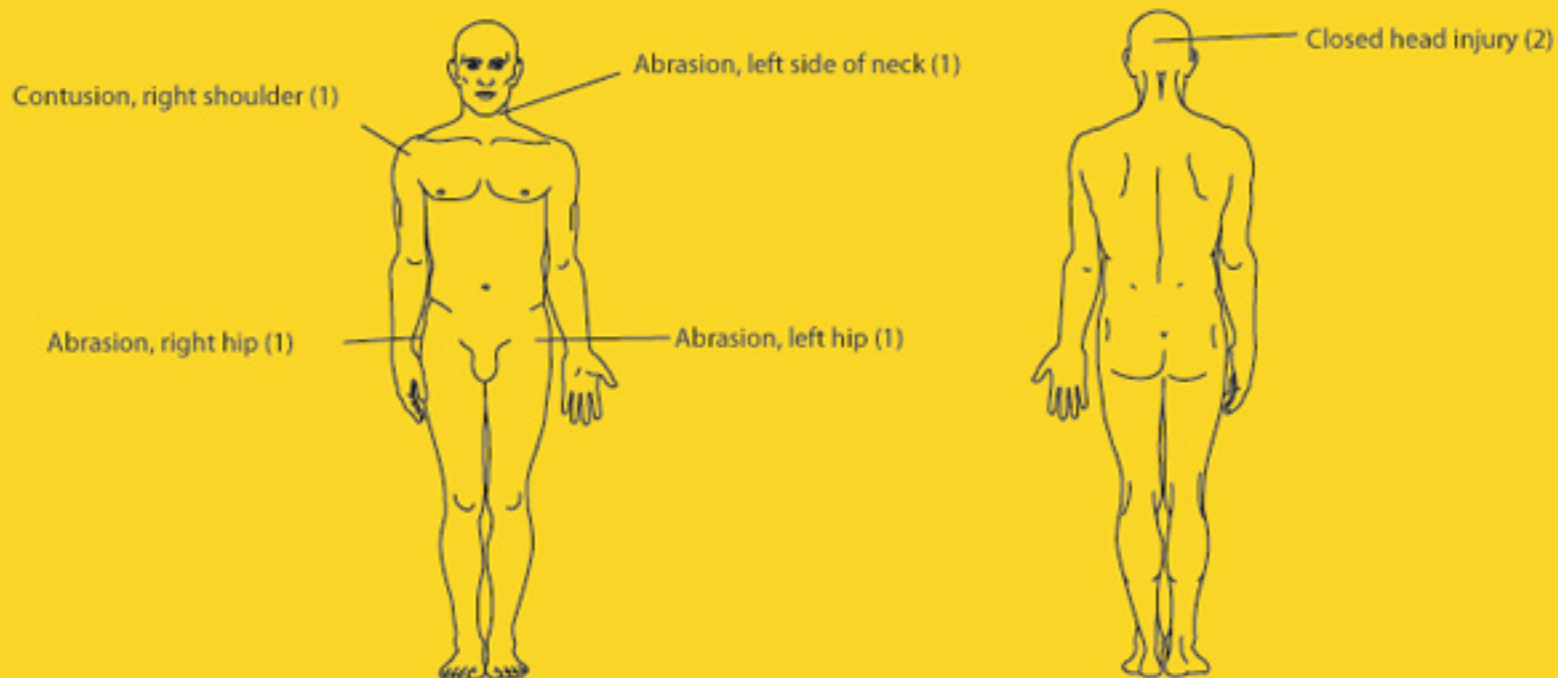
TYPE: Galant, 4-door sedan

OCCUPANT: Driver: 24-year-old male

STATURE: Unknown MASS: Unknown

RESTRAINTS: 3-point belt; steering-wheel airbag

SEVERITY: MAIS - 2 : ISS - 5



CASE NO.: 468

CASE VEHICLE: 1999 Mitsubishi

TYPE: Galant, 4-door sedan

OCCUPANT: Left rear: 4-year-old male

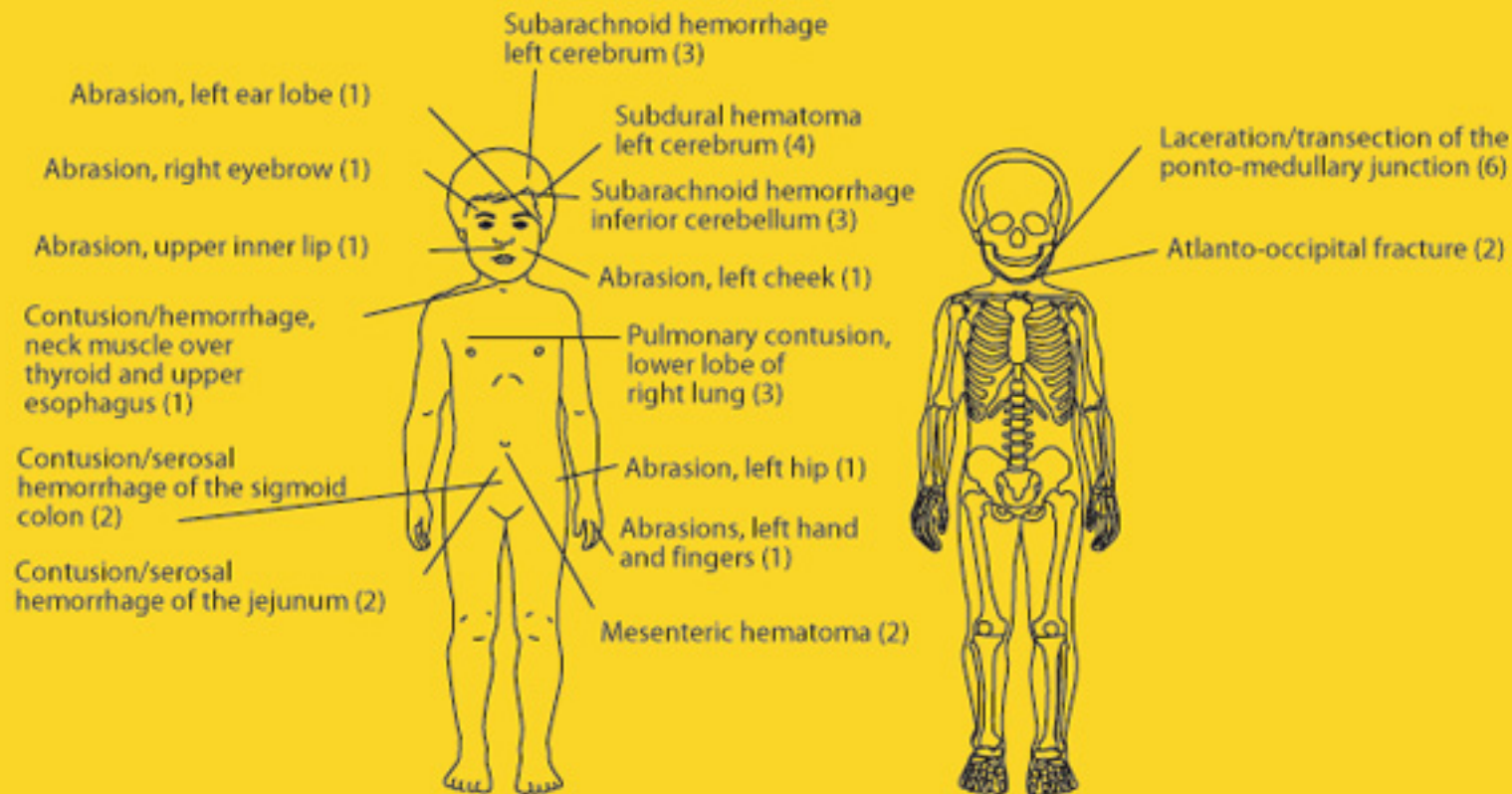
STATURE: 112 cm (3 ft, 8 in) MASS: 23 kg (50 lb)

RESTRAINTS: 3-point belt

SEVERITY: MAIS - 6: ISS - 75

FATAL - Autopsy Results

Cause of death listed as "Blunt Force Head and Neck Trauma"



Case No.: 468

Veh. (A): 1999 Mitsubishi

Type: Galant, 4-door sedan

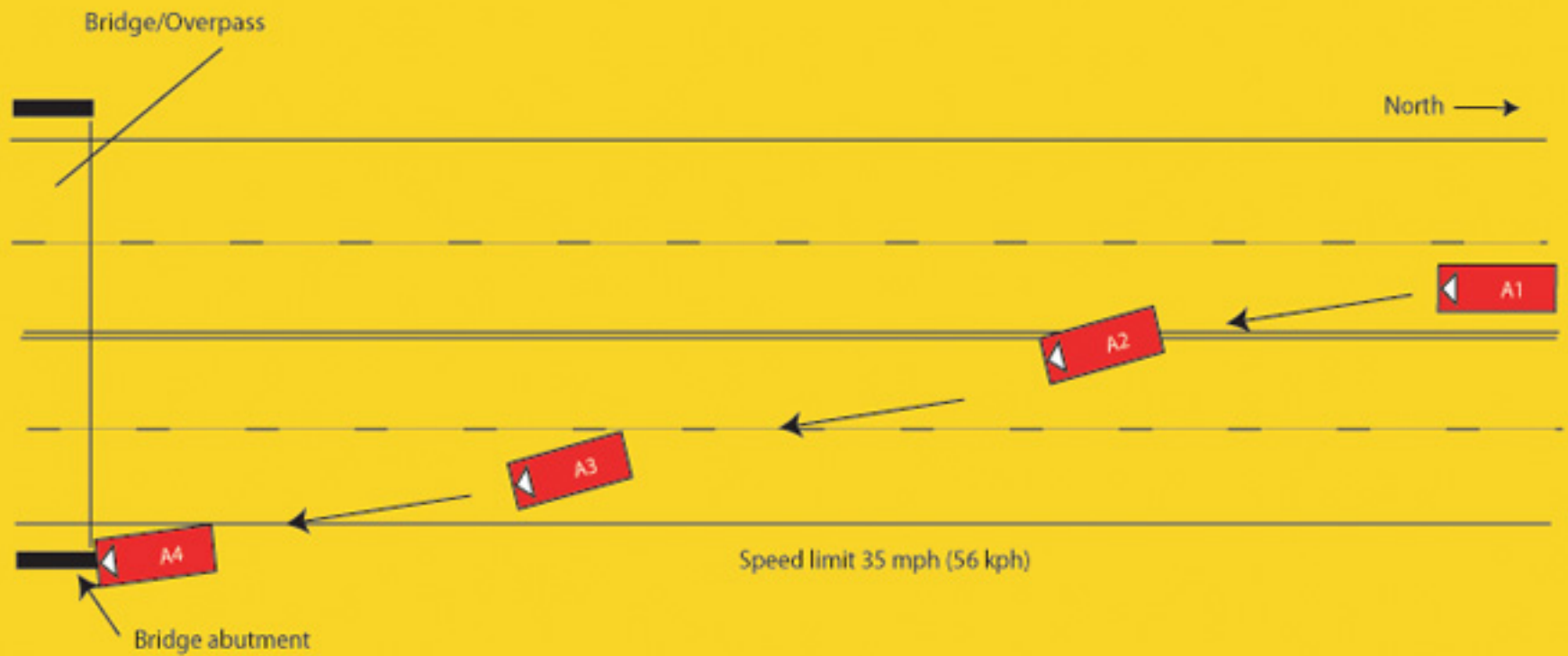
Driver: 24-year-old male

Light Conditions: Dark, lighted

Weather: Cloudy

Road Surface: Dry

Road Construction: Asphalt



468: Vehicle Report

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General Information

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|-------------------------------|------------|--|----------------------|
| V0204 | Collision Hour | 0620 | Time of day (24 hour clock) | more |
| V0205 | State Fips Code | 26 | Michigan | more |
| V0206 | Urban/rural Area | 1 | Urban | more |
| V0207 | Limited Access Highway | 0 | No | more |
| V0208 | Road Total Lanes | 4 | 4 lanes or more | more |
| V0209 | Intersect Road Total Lanes | 8 | Not applicable | more |
| V0210 | Trafficway Flow | 0 | Not physically divided - two way traffic | more |
| V0211 | Road Surface Type | 1 | Asphalt | more |
| V0212 | Road Defects | 0 | No | more |
| V0213 | Construction Zone | 0 | No | more |
| V0214 | Road Alignment Vertical Plane | 1 | Level | more |

| | | | | |
|-------|--|------|-------------------------------------|----------------------|
| V0215 | Road Alignment Horizontal Plane | 1 | Straight | more |
| V0216 | Surface Covering | 10 | Dry | more |
| V0217 | Visibility Limitation | 0 | None | more |
| V0218 | Visibility Obstruction | 0 | None | more |
| V0219 | Speed Limit | 2 | 56-60 km/h .. 35 mph | more |
| V0220 | Precipitation Type | 0 | None | more |
| V0221 | Precipitation Rate | 8 | Not applicable | more |
| V0222 | Temperature | 9 | Unknown | more |
| V0223 | Crosswind | 9 | Unknown | more |
| V0224 | Light Conditions | 4 | Dark, lighted | more |
| V0225 | Mechanical Malfunction Mention | 0 | No | more |
| V0226 | Case Vehicle And Object | 4 | Yes, fixed object off-road | more |
| V0227 | Case Vehicle Rollover | 0 | No | more |
| V0228 | Rollover Location | 0 | No rollover | more |
| V0229 | Roll Direction | 0 | No rollover | more |
| V0230 | Rollover Initiation Type | 0 | No rollover | more |
| V0231 | Rollover Number Of Turns | 0 | No rollover | more |
| V0232 | Case Vehicle Preimpact Braking | 0 | No | more |
| V0233 | Case Vehicle Preimpact Stability | 1 | Case vehicle tracking before impact | more |
| V0234 | Case Vehicle Ran Off Roadway | 1 | Yes | more |
| V0235 | Moving Case Vehicle Contacted Moving Vehicle | 0 | No | more |
| V0236 | Case Vehicle Contacted Stopped Vehicle | 0 | No | more |
| V0237 | Stopped Case Vehicle Contacted Vehicle | 0 | No | more |
| V0238 | Total Vehicles Hit By Case Vehicle | 0 | 0 vehicles | more |
| V0239 | Any Fire In Crash? | 0 | No | more |
| V0240 | Maximum Police Severity-acc | 4 | K - Fatal | more |
| V0241 | Driver Alcohol Involvmnt | 0 | Had not been drinking | more |
| V0242 | Driver Alcohol BAC (Case Vehicle) | 0.00 | Actual BAC | more |
| V0243 | Driver Impairment Mention | 0 | No | more |
| V0244 | Driver Distraction | 11 | Sleepy or fell asleep | more |

| | | | | |
|-------|-------------------------|---|---------------------|----------------------|
| V0245 | Driver Drug Involvement | 0 | None | more |
| V0246 | Driver Drug Type | 0 | No drug use | more |
| V0247 | Driven/towed From Scene | 2 | Towed Due to Damage | more |

Other Vehicle

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|---|--------------|-----------------------|----------------------|
| V0301 | Other Vehicle VIN | 0 xxxxxxx | — | more |
| V0302 | Other Vehicle Manufacturer/Body Code | 99898 | — | — |
| V0303 | Other Vehicle Manufacturer | 998 | Unknown Other Vehicle | more |
| V0304 | Other Vehicle Body Code | 98 | No Other Vehicle | more |
| V0305 | Other Vehicle Make/model | 0000 | No other vehicle | more |
| V0306 | Other Vehicle Model Year | 0000 | No Other Vehicle | more |
| V0307 | Other Vehicle Mass | 000000 kg | No Other Vehicle | more |
| V0308 | Other Vehicle Number | 8 | No other vehicle | more |
| V0309 | Other Vehicle Number of Occupants | 98 | No Other Vehicle | more |
| V0310 | Other Vehicle Traveling Speed | 990 | No Other Vehicle | more |
| V0311 | Highest Police Injury Severity | 8 | No Other Vehicle | more |
| V0312 | Other Vehicle Type | 98 | No Other Vehicle | more |
| V0313 | Other Vehicle Wheelbase in Centimeters | 998 | No Other Vehicle | more |
| V0314 | Other Vehicle Average Track Width | 998 | No Other Vehicle | more |
| V0315 | Other Vehicle Overall Length | 998 | No Other Vehicle | more |
| V0316 | Other Vehicle Overall Width (OAW) | 998 | No Other Vehicle | more |
| V0317 | Other Vehicle Front Overhang | 998 | No Other Vehicle | more |
| V0318 | Other Vehicle Rear Overhang | 998 | No Other Vehicle | more |
| V0319 | Other Vehicle Undeformed End Width (UEW) | 998 | No Other Vehicle | more |
| V0320 | Other Vehicle Engine Displacement | 0.0 l | No Other Vehicle | more |
| V0321 | Other Vehicle Engine: Number of Cylinders | 98 | No Other Vehicle | more |

| | | | | |
|-------|--|-----|---------------------------|----------------------|
| V0322 | Other Vehicle Direct Damage Length (DDL) | 998 | No Other Vehicle | more |
| V0323 | Other Vehicle Front-End Overlap | 99 | Missing or Not applicable | more |
| V0324 | Other Vehicle - Vehicle Overlap | 99 | Missing or Not applicable | more |

Case Vehicle General

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|--------------------------------|--------------------|---|----------------------|
| V0401 | VIN | 4A3AA46G6XXXXXXXXX | Click for Case Vehicle figure | more |
| V0402 | Manufacturer/Body Code | 18727 | — | — |
| V0403 | Vehicle Manufacturer | 187 | Mitsubishi/America | more |
| V0404 | Vehicle Body Code | 27 | Compact 100-104.9 in. wb. | more |
| V0405 | Make/model Code | 2213 | Galant | more |
| V0406 | Model Year | 1999 | Model year | more |
| V0407 | Vehicle Mass | 001334 kg | Mass (Kg) | more |
| V0408 | Odometer Reading | 888888 | — | — |
| V0409 | Number of Occupants | 02 | 2 occupants | more |
| V0410 | Traveling Speed | 999 | Unknown | more |
| V0411 | Body Type | 14 | 4-door sedan | more |
| V0412 | Stolen Vehicle | 8 | Not currently collected | more |
| V0413 | Body Structure | 2 | Unitized | more |
| V0414 | Transmission Type | 1 | Automatic | more |
| V0415 | Transmission Lever Location | 2 | Console | more |
| V0416 | Steering | 1 | Power | more |
| V0417 | Brakes | 1 | Power | more |
| V0418 | Brake Type | 9 | Unknown | more |
| V0419 | Adjustable Pedals? | 0 | No | more |
| V0420 | Brake Anti-lock Device | 9 | Unknown | more |
| V0421 | Air Conditioning in Vehicle | 8 | Not currently collected | more |
| V0422 | Drive Type | 2 | Front wheel | more |
| V0423 | Dual Rear Wheels | 0 | No | more |
| V0424 | Original Restraint System Type | 3 | Air bag | more |
| | Equipped With Roll | 0 | | |

| | | | | |
|-------|--|--------|---------------------------|----------------------|
| V0425 | Bar | | No | more |
| V0426 | Roof Type | 4 | Sun roof closed | more |
| V0427 | Case Vehicle Wheelbase in Centimeters | 263 cm | Actual Wheelbase | more |
| V0428 | Anti-lacerative Glass | 8 | Not Collected | more |
| V0429 | Case Vehicle average track Width | 150 cm | actual measurement (cm) | more |
| V0430 | Case Vehicle Overall Length | 477 cm | actual measurement (cm) | more |
| V0431 | Case Vehicle Overall Width (OAW) | 174 | actual measurement (cm) | more |
| V0432 | Case Vehicle Front Overhang | 104 cm | actual measurement (cm) | more |
| V0433 | Case Vehicle Rear Overhang | 110 cm | actual measurement (cm) | more |
| V0434 | Case Vehicle Undeformed End Width (UEW) | 150 cm | actual measurement (cm) | more |
| V0435 | Case Vehicle Engine Displacement | 2.4 l | Liters | more |
| V0436 | Case Vehicle Engine: Number of Cylinders | 04 | number of cylinders | more |
| V0437 | Case Vehicle Direct Damage Length (DDL) | 999 | Unknown | more |
| V0438 | Case Vehicle Front-end Overlap | 99 | Missing or Not applicable | more |
| V0439 | Case Vehicle - Vehicle Overlap | 99 | Missing or Not applicable | more |

Case Vehicle Damage Description

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|--|------------|-------------------------------|----------------------|
| V0501 | Maximum Sheet Metal Crush - Front | 080 cm | Depth of Crush (cm) | more |
| V0502 | Maximum Sheet Metal Crush - Right Side | 000 cm | No Crush (or less than 1 cm.) | more |
| V0503 | Maximum Sheet Metal Crush - Rear | 000 cm | No Crush (or less than 1 cm.) | more |
| V0504 | Maximum Sheet Metal Crush - Left Side | 000 cm | No Crush (or less than 1 cm.) | more |
| | Maximum Sheet Metal Crush | | | |

| | | | | |
|-------|--|--------|-------------------------------|----------------------|
| V0505 | - Roof | 000 cm | No Crush (or less than 1 cm.) | more |
| V0506 | Maximum Sheet Metal Crush - Other | 000 cm | No Crush (or less than 1 cm.) | more |
| V0507 | Seq In Chronological Ord | 1 | Yes | more |
| V0508 | Event 1 -impact Location | 3 | On Roadside | more |
| V0509 | Event 1 -Impact Configuration | 17 | FRONT of case veh - object | more |
| V0510 | Event 1 -Object/Vehicle Contactd | 88 | Abutment, retaining wall | more |
| V0511 | Event 2 -impact Location | 8 | No 2nd event | more |
| V0512 | Event 2 -Impact Configuration | 88 | No 2nd event | more |
| V0513 | Event 2 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0514 | Event 3 -impact Location | 8 | No 3rd event | more |
| V0515 | Event 3 -Impact Configuration | 88 | No 3rd event | more |
| V0516 | Event 3 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0517 | Event 4 -impact Location | 8 | No 4th event | more |
| V0518 | Event 4 -Impact Configuration | 88 | No 4th event | more |
| V0519 | Event 4 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0520 | Event 5 -impact Location | 8 | No 5th event | more |
| V0521 | Event 5 -Impact Configuration | 88 | No 5th event | more |
| V0522 | Event 5 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0523 | Event 6 -impact Location | 8 | No 6th event | more |
| V0524 | Event 6 -Impact Configuration | 88 | No 6th event | more |
| V0525 | Event 6 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0526 | Event 7 -impact Location | 8 | No 7th event | more |
| V0527 | Event 7 -Impact Configuration | 88 | No 7th event | more |
| V0528 | Event 7 -Object/Vehicle Contactd | 00 | No object/vehicle contacted | more |
| V0529 | Primary CDC Case Vehicle - event Number | 1 | Event 1 | more |
| | Primary CDC Case Vehicle - | | | |

| | | | | |
|-------|---|---------|---------------------------------------|----------------------|
| V0530 | Impact Speed (kph) | 999 | Unknown | more |
| V0531 | Primary CDC Case Vehicle-estimatr | 1 | Investigator | more |
| V0532 | Primary CDC Case Vehicle - Crush (CM) | 080 | Crush measurements in cm | more |
| V0533 | Primary CDC Case Vehicle-clock #1 | 12 | 12 o'clock | more |
| V0534 | Primary CDC Case Vehicle-Letter 1 #1 | 06 | F - Front | more |
| V0535 | Primary CDC Case Vehicle-Letter 2 #1 | 03 | C - Center (Front or Rear) | more |
| V0536 | Primary CDC Case Vehicle-Letter 3 #1 | 05 | E - Everything below belt line | more |
| V0537 | Primary CDC Case Vehicle-Letter 4 #1 | 14 | N - Narrow impact area | more |
| V0538 | Primary CDC Case Vehicle Extent #1 | 04 | Extent 4 | more |
| V0539 | Primary CDC - Contacted Vehicles Assoc CDC - CDC #1 | 12FCEN4 | — | — |
| V0540 | Primary CDC Case Vehicle-clock #2 | 98 | Not Applicable | more |
| V0541 | Primary CDC Case Vehicle-Letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V0542 | Primary CDC Case Vehicle-Letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V0543 | Primary CDC Case Vehicle-Letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V0544 | Primary CDC Case Vehicle-Letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V0545 | Primary CDC Case Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V0546 | Primary CDC - Case Vehicle Assoc CDC - CDC #2 | 9800000 | — | — |
| V0547 | Primary CDC Contacted Vehicle - Impact Speed (kph) | 998 | Not Applicable | more |
| V0548 | Primary CDC Contacted Vehicle-estimator | 8 | Not applicable (no vehicle/no impact) | more |
| V0549 | Primary CDC Contacted Vehicle - Crush (CM) | 998 | Not Applicable | more |
| V0550 | Primary CDC Contacted Vehicle-clock #1 | 98 | Not Applicable | more |
| V0551 | Primary CDC Contacted | 00 | Missing Data/Not applicable | more |

| | | | | |
|-------|---|---------|---------------------------------------|----------------------|
| | Vehicle-Letter 1 #1 | | | |
| V0552 | Primary CDC Contacted Vehicle-Letter 2 #1 | 00 | Missing Data/Not applicable | more |
| V0553 | Primary CDC Contacted Vehicle-Letter 3 #1 | 00 | Missing Data/Not applicable | more |
| V0554 | Primary CDC Contacted Vehicle-Letter 4 #1 | 00 | Missing Data/Not applicable | more |
| V0555 | Primary CDC Contacted Vehicle Extent #1 | 00 | Missing Data/Not applicable | more |
| V0556 | primary CDC - Contacted Vehicles Assoc CDC - CDC #1 | 9800000 | — | — |
| V0557 | Primary CDC Contacted Vehicle-clock #2 | 98 | Not Applicable | more |
| V0558 | Primary CDC Contacted Vehicle-Letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V0559 | Primary CDC Contacted Vehicle-Letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V0560 | Primary CDC Contacted Vehicle-Letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V0561 | Primary CDC Contacted Vehicle-Letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V0562 | Primary CDC Contacted Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V0563 | Primary CDC - Contacted Vehicles Assoc CDC - CDC #2 | 9800000 | — | — |
| V0564 | Secondary CDC Case Vehicle-event No | 8 | Not applicable | more |
| V0565 | Secondary CDC Case Vehicle - Impact Speed (kph) | 998 | Not Applicable | more |
| V0566 | Secondary CDC Case Vehicle-estimator | 8 | Not applicable (no vehicle/no impact) | more |
| V0567 | Secondary CDC Case Vehicle - Crush (CM) | 998 | Not Applicable | more |
| V0568 | Secondary CDC Case Vehicle-clock #1 | 98 | Not Applicable | more |
| V0569 | Secondary CDC Case Vehicle-Letter 1 #1 | 00 | Missing Data/Not applicable | more |
| V0570 | Secondary CDC Case Vehicle-Letter 2 #1 | 00 | Missing Data/Not applicable | more |
| V0571 | Secondary CDC Case Vehicle-Letter 3 #1 | 00 | Missing Data/Not applicable | more |
| | | | | |

| | | | | |
|-------|--|---------|---------------------------------------|----------------------|
| V0572 | Secondary CDC Case Vehicle-Letter 4 #1 | 00 | Missing Data/Not applicable | more |
| V0573 | Secondary CDC Case Vehicle Extent #1 | 00 | Missing Data/Not applicable | more |
| V0574 | Secondary CDC - Case Vehicle Assoc CDC - CDC #1 | 9800000 | — | — |
| V0575 | Secondary CDC Case Vehicle-clock #2 | 98 | Not Applicable | more |
| V0576 | Secondary CDC Case Vehicle-Letter 1 #2 | 00 | Missing Data/Not applicable | more |
| V0577 | Secondary CDC Case Vehicle-Letter 2 #2 | 00 | Missing Data/Not applicable | more |
| V0578 | Secondary CDC Case Vehicle-Letter 3 #2 | 00 | Missing Data/Not applicable | more |
| V0579 | Secondary CDC Case Vehicle-Letter 4 #2 | 00 | Missing Data/Not applicable | more |
| V0580 | Secondary CDC Case Vehicle Extent #2 | 00 | Missing Data/Not applicable | more |
| V0581 | Secondary CDC - Case Vehicle Assoc CDC - CDC #2 | 9800000 | — | — |
| V0582 | Secondary CDC Contacted Vehicle - Impact Speed (kph) | 998 | Not Applicable | more |
| V0583 | Secondary CDC Contacted Vehicle-estimator | 8 | Not applicable (no vehicle/no impact) | more |
| V0584 | Secondary CDC Contacted Vehicle - Crush (CM) | 998 | Not Applicable | more |
| V0585 | Secondary CDC Contacted Vehicle-clock #1 | 98 | Not Applicable | more |
| V0586 | Secondary CDC Contacted Vehicle-Letter 1 #1 | 00 | Missing Data/Not applicable | more |
| V0587 | Secondary CDC Contacted Vehicle-Letter 2 #1 | 00 | Missing Data/Not applicable | more |
| V0588 | Secondary CDC Contacted Vehicle-Letter 3 #1 | 00 | Missing Data/Not applicable | more |
| V0589 | Secondary CDC Contacted Vehicle-Letter 4 #1 | 00 | Missing Data/Not applicable | more |
| V0590 | Secondary CDC Contacted Vehicle Extent #1 | 00 | Missing Data/Not applicable | more |
| V0591 | Secondary CDC - Contacted Vehicle Assoc CDC - CDC #1 | 9800000 | — | — |
| | Secondary CDC Contacted | | | |

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

Crash Reconstruction

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|--|------------|--------------------------------------|----------------------|
| V0601 | Primary Delta-V Case Vehicle-event # | 1 | Event number 1 | more |
| V0602 | Primary Delta V Case Vehicle - Total Delta V | 069 kph | kph | more |
| V0603 | Primary delta-V Case Vehicle -LONGITUD | -069 | — | — |
| V0604 | Primary delta-V Case Vehicle-Lateral | 0000 | — | — |
| V0605 | Primary Delta V Case Vehicle - Energy Dissipated by Crush (k | 0267 | — | — |
| V0606 | Primary Delta-V Case Vehicle-Reconstruction | 23 | Reconstructed, high confidence level | more |
| V0607 | Primary Delta-V Case Vehicle- Mode | 2 | CDC & detailed damage | more |
| V0608 | Primary Delta V Contacted Vehicle - Total Delta V | 888 | Not Applicable | more |
| V0609 | Primary delta-V Contacted Vehicle-LONGITUD | 8888 | — | — |
| V0610 | Primary delta-V Contacted Vehicle-Lateral | 8888 | — | — |
| V0611 | Primary delta-V Contacted Vehicle - Energy Dissipated by Cru | 8888 | — | — |

| | | | | |
|-------|--|---------|--------------------------------------|----------------------|
| V0612 | Secondary Delta-V Case Vehicle-event # | 8 | Not applicable | more |
| V0613 | Secondary Delta V Case Vehicle - Total Delta V | 888 | Not applicable | more |
| V0614 | Secondarydelta-V Case Vehicle -LONGITUD | 8888 | — | — |
| V0615 | Secondary delta-V Case Vehicle-Lateral | 8888 | — | — |
| V0616 | Secondary delta-V Case Vehicle - Energy Dissipated by Crush | 8888 | — | — |
| V0617 | Secondary Delta-V Case Vehicle-Reconstruction | 88 | Not applicable | more |
| V0618 | Secondary Delta-V Case Vehicle- Mode | 8 | Not applicable | more |
| V0619 | Secondary Delta V Contacted Vehicle - Total Delta V | 888 | Not applicable | more |
| V0620 | Secondary delta-V Contacted Vehicle-LONGITUD | 8888 | — | — |
| V0621 | Secondary delta-V Contacted Vehicle-Lateral | 8888 | — | — |
| V0622 | Secondary delta-V Contacted Vehicle - Energy Dissipated By C | 8888 | — | — |
| V0623 | Primary EBS Case Vehicle-event # | 1 | Event number 1 | more |
| V0624 | Primary EBS Case Vehicle - Total EBS | 069 kph | kph | more |
| V0625 | Primary EBS Case Vehicle - LONGITUD | -069 | — | — |
| V0626 | Primary EBS Case Vehicle-Lateral | 0000 | — | — |
| V0627 | Primary EBS Case Vehicle - Energy Dissipated by Crush (kj) | 0267 | — | — |
| V0628 | Primary EBS Case Vehicle-Reconstruction | 23 | Reconstructed, high confidence level | more |
| V0629 | Primary EBS Case Vehicle-Mode | 2 | CDC & detailed damage | more |
| V0630 | Primary EBS Contacted Vehicle - Total EBS | 888 | Not Applicable | more |
| V0631 | Primary EBS Contacted Vehicle-LONGITUD | 8888 | — | — |
| | Primary EBS Contacted | | | |

| | | | | |
|-------|---|--------|----------------|----------------------|
| V0632 | Vehicle-Lateral | 8888 | — | — |
| V0633 | Primary EBS Contact Vehicle - Energy Dissipated by Crush (kj) | 8888 | — | — |
| V0634 | Secondary EBS Case Vehicle-event # | 8 | Not applicable | more |
| V0635 | Secondary EBS Case Vehicle - Total EBS | 888 | Not Applicable | more |
| V0636 | Secondary EBS Case Vehicle -LONGITUD | 8888 | — | — |
| V0637 | Secondary EBS Case Vehicle-Lateral | 8888 | — | — |
| V0638 | Secondary EBS Case Vehicle - Energy Dissipated by Crush (kj) | 8888 | — | — |
| V0639 | Secondary EBS Case Vehicle-Reconstruction | 88 | Not applicable | more |
| V0640 | Secondary EBS Case Vehicle- Mode | 8 | Not applicable | more |
| V0641 | Secondary EBS Contacted Vehicle - Total EBS | 888 | Not Applicable | more |
| V0642 | Secondary EBS Contacted Vehicle-LONGITUD | 8888 | — | — |
| V0643 | Secondary EBS Contacted Vehicle-Lateral | 8888 | — | — |
| V0644 | Secondary EBS Contact Vehicle - Energy Dissipated by Crush (| 8888 | — | — |
| V0645 | Specific Event # Case(1) | 1 | Event number 1 | more |
| V0646 | Plane of Impact Case Vehicle (1) | 1 | Bumper | more |
| V0647 | Direct Damage Length (DDL) - Case Vehicle (1) | 040 cm | cm | more |
| V0648 | Direct Damage Maximum Crush - Case Vehicle (1) | 080 cm | cm | more |
| V0649 | Direct and Induced Damage Length in CM | 050 cm | cm | more |
| V0650 | Field C1 - Case Vehicle (1) | 017 cm | cm | more |
| V0651 | Field C2 - Case Vehicle (1) | 070 cm | cm | more |
| V0652 | Field C3 - Case Vehicle (1) | 077 cm | cm | more |
| V0653 | Field C4 - Case Vehicle (1) | 080 cm | cm | more |
| V0654 | Field C5 - Case Vehicle (1) | 075 cm | cm | more |
| V0655 | Field C6 - Case Vehicle (1) | 046 cm | cm | more |

| | | | | |
|-------|--|---------|----------------|----------------------|
| V0656 | Direct Damage D Value = The Center of Direct Damage Offset t | +010 cm | Offset (cm) | more |
| V0657 | Specific Event # Case(2) | 1 | Event number 1 | more |
| V0658 | Plane of Impact Case Vehicle (2) | 1 | Bumper | more |
| V0659 | Direct Damage Length (DDL) - Case Vehicle (2) | 040 cm | cm | more |
| V0660 | Direct Damage MaximumCrush - Case Vehicle (2) | 080 cm | cm | more |
| V0661 | Direct and Induced Damage Length in CM | 050 cm | cm | more |
| V0662 | Field C1 - Case Vehicle (2) | 017 cm | cm | more |
| V0663 | Field C2 - Case Vehicle (2) | 070 cm | cm | more |
| V0664 | Field C3 - Case Vehicle (2) | 077 cm | cm | more |
| V0665 | Field C4 - Case Vehicle (2) | 080 cm | cm | more |
| V0666 | Field C5 - Case Vehicle (2) | 075 cm | cm | more |
| V0667 | Field C6 - Case Vehicle (2) | 046 cm | cm | more |
| V0668 | Direct Damage D Value = The Center of Direct Damage Offset t | +010 cm | cm | more |
| V0669 | Specific Event # Cont(1) | 9 | Unknown | more |
| V0670 | Plane of Impact Contacted Vehicle(1) | 9 | Unknown | more |
| V0671 | Direct Damage Length (DDL) - Contacted Vehicle (1) | 999 | Unknown | more |
| V0672 | Direct Damage Maximum Crush - Contacted Vehicle (1) | 999 | Unknown | more |
| V0673 | Field L - Contacted Vehicle (1) | 999 | Unknown | more |
| V0674 | Field C1 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0675 | Field C2 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0676 | Field C3 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0677 | Field C4 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0678 | Field C5 - Contacted Vehicle (1) | 999 | Unknown | more |

| | | | | |
|-------|--|------|-------------|----------------------|
| V0679 | Field C6 - Contacted Vehicle (1) | 999 | Unknown | more |
| V0680 | Direct Damage D Value = The Center of Direct Damage Offset t | 9999 | offset (cm) | more |
| V0681 | Specific Event # Contacted Vehicle (2) | 9 | Unknown | more |
| V0682 | Plane of Impact Contacted Vehicle(2) | 9 | Unknown | more |
| V0683 | Direct Damage Length (DDL) - Contacted Vehicle (2) | 999 | Unknown | more |
| V0684 | Direct Damage Maximum Crush - Contacted Vehicle (2) | 999 | Unknown | more |
| V0685 | Direct and Induced Damage Length in CM | 999 | Unknown | more |
| V0686 | Field C1 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0687 | Field C2 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0688 | Field C3 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0689 | Field C4 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0690 | Field C5 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0691 | Field C6 - Contacted Vehicle (2) | 999 | Unknown | more |
| V0692 | Direct Damage D Value = The Center of Direct Damage Offset t | 9999 | Offset (cm) | more |

Case Vehicle Tires & Rims

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|-----------------------------|------------|------------------|----------------------|
| V0701 | Left Front Wheel Damaged | 0 | No | more |
| V0702 | Right Front Wheel Damaged | 0 | No | more |
| V0703 | Right Rear Wheel Damaged | 0 | No | more |
| V0704 | Left Rear Wheel Damaged | 0 | No | more |
| V0705 | Left Front Tire Tread Type | 4 | All Weather | more |
| V0706 | Right Front Tire Tread Type | 4 | All Weather | more |

| | | | | |
|-------|---|-----------|--------------------------------|----------------------|
| V0707 | Right Rear Tire Tread Type | 4 | All Weather | more |
| V0708 | Left Rear Tire Tread Type | 4 | All Weather | more |
| V0709 | Left Front Carcass Construction | 3 | Radial | more |
| V0710 | Right Front Carcass Construction | 3 | Radial | more |
| V0711 | Right Rear Carcass Construction | 3 | Radial | more |
| V0712 | Left Rear Carcass Construction | 3 | Radial | more |
| V0713 | Left Front Tire Condition Precrash | 0 | Normal - no pre-crash problems | more |
| V0714 | Right Front Tire Condition Precrash | 0 | Normal - no pre-crash problems | more |
| V0715 | Right Rear Tire Condition Precrash | 0 | Normal - no pre-crash problems | more |
| V0716 | Left Rear Tire Condition Precrash | 0 | Normal - no pre-crash problems | more |
| V0717 | Left Front Tire Condition Postcrash | 0 | Normal - no damage to tire | more |
| V0718 | Right Front Tire Condition Postcrash | 0 | Normal - no damage to tire | more |
| V0719 | Right Rear Tire Condition Postcrash | 0 | Normal - no damage to tire | more |
| V0720 | Left Rear Tire Condition Postcrash | 0 | Normal - no damage to tire | more |
| V0721 | Left Front Tire Involvement | 0 | No | more |
| V0722 | Right Front Tire Involvement | 0 | No | more |
| V0723 | Right Rear Tire Involvement | 0 | No | more |
| V0724 | Left Rear Tire Involvement | 0 | No | more |
| V0725 | Left Front Tire Size | P19560R15 | — | — |
| V0726 | Right Front Tire Size | P19560R15 | — | — |
| V0727 | Right Rear Tire Size | P19560R15 | — | — |
| V0728 | Left Rear Tire Size | P19560R15 | — | — |
| V0729 | Left Front Tire Pressure (recorded in psi) | 32.0 psi | Actual tire pressure in psi | more |
| V0730 | Right Front Tire Pressure (recorded in psi) | 32.0 psi | Actual tire pressure in psi | more |
| V0731 | Right Rear Tire Pressure (recorded in psi) | 33.0 psi | Actual tire pressure in psi | more |
| | Left Rear Tire Pressure | | | |

| | | | | |
|-------|-------------------------|----------|-----------------------------|----------------------|
| V0732 | (recorded in psi) | 32.0 psi | Actual tire pressure in psi | more |
| V0733 | Left Front Tread Depth | 09 | 09/32" | more |
| V0734 | Right Front Tread Depth | 05 | 05/32" | more |
| V0735 | Right Rear Tread Depth | 08 | 08/32" | more |
| V0736 | Left Rear Tread Depth | 09 | 09/32" | more |

Case Vehicle Fuel Tank

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|--------------------------|------------|--|----------------------|
| V0801 | Propulsive Fuel Type | 1 | Gasoline | more |
| V0802 | Main Tank Location | 323 | Within frame/centered laterally - above vertical | more |
| V0803 | Main Filler Cap Location | 123 | Within frame/centered laterally - above vertical | more |
| V0804 | Main Tank Material | 1 | Steel | more |
| V0805 | Aux Tank Type | 8 | Not applicable (not equipped) | more |
| V0806 | Aux Tank Location | 888 | Not applicable (not equipped) | more |
| V0807 | Aux Filler Cap Location | 888 | Not applicable (not equipped) | more |
| V0808 | Aux Tank Material | 8 | Not applicable | more |

Case Vehicle Fuel Leakage

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

Case Vehicle Fire

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|----------------------------|------------|------------------|----------------------|
| V1001 | Fire In Or On Case Vehicle | 0 | No | more |

Case Vehicle Exterior

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|---------------------|------------|------------------|----------------------|
| V1101 | Hood Latch Released | 0 | No | more |
| V1102 | Hood Latch Damaged | 1 | Yes | more |
| | | 1 | | |

| | | | | |
|-------|--|-----|-------------------------------|----------------------|
| V1103 | Hood Latch Jammed | | Yes | more |
| V1104 | Left Hood Hinge Damaged | 1 | Yes | more |
| V1105 | Left Hood Hinge Separated | 0 | No | more |
| V1106 | Right Hood Hinge Damaged | 1 | Yes | more |
| V1107 | Right Hood Hinge Separated | 0 | No | more |
| V1108 | Hood Remained On Vehicle | 1 | Yes | more |
| V1109 | Rear Hood Edge Elevated | 1 | Yes | more |
| V1110 | Edge Contacted Windshield | 0 | No | more |
| V1111 | Edge Penetrated Windshield | 8 | Not applicable | more |
| V1112 | Hood Latch Location | 1 | Front of Vehicle | more |
| V1113 | Eng/transmissn Mount Separated | 1 | Yes | more |
| V1114 | Steering Column Flex Couplng | 9 | Unknown if equipped | more |
| V1115 | Steering Column Coupling Dam | 9 | Unknown | more |
| V1116 | Steering Column Coupling Separated | 9 | Unknown | more |
| V1117 | Eng Comp Telescopng Unit | 88 | Not currently collected | more |
| V1118 | Compartment Unit's Original/telescoped Length Difference | 888 | Not currently collected | more |
| V1119 | Left Side Body Mount Separated | 8 | Not applicable (unitized) | more |
| V1120 | Upper Left A-pillar Sep | 0 | No | more |
| V1121 | Lower Left A-pillar Sep | 0 | No | more |
| V1122 | Upper Left B-pillar Sep | 0 | No | more |
| V1123 | Lower Left B-pillar Sep | 0 | No | more |
| V1124 | Upper Left C-pillar Sep | 0 | No | more |
| V1125 | Lower Left C-pillar Sep | 0 | No | more |
| V1126 | Upper Left D-pillar Sep | 8 | Not applicable (not equipped) | more |
| V1127 | Lower Left D-pillar Sep | 8 | Not applicable (not equipped) | more |
| V1128 | Left Front Door Opening Cause | 00 | Door did not open | more |
| V1129 | Left Rear Door Opening Cause | 00 | Door did not open | more |
| V1130 | Left Front Door Jammed Closed | 1 | Yes | more |
| V1131 | Left Rear Door Jammed Closed | 0 | No | more |
| V1132 | Van Left Rear Door Type | 8 | Not applicable (not a van) | more |

| | | | | |
|-------|---------------------------------|----|-------------------------------|----------------------|
| V1133 | Left Front Glazing Availability | 2 | Closed | more |
| V1134 | Left Rear Glazing Availability | 2 | Closed | more |
| V1135 | Lr2 Glazing Availability | 1 | Fixed | more |
| V1136 | Left Front Glazing Damage | 0 | No damage | more |
| V1137 | Left Rear Glazing Damage | 0 | No damage | more |
| V1138 | Lr2 Glazing Damage | 0 | No damage | more |
| V1139 | Rear Door Type | 0 | No door (includes pickups) | more |
| V1140 | Rear Door Opening Cause | 8 | Not applicable (no rear door) | more |
| V1141 | Rear Door Jammed Closed | 8 | Not applicable (no rear door) | more |
| V1142 | Rear Glazng Availability | 8 | Not Applicable (No Door) | more |
| V1143 | Rear Glazing Damage | 8 | Not Applicable (No Door) | more |
| V1144 | Luggage Partition Damaged | 0 | No | more |
| V1145 | Spare Tire Status | 8 | Not collected | more |
| V1146 | Trailer Hitch Type | 0 | No hitch | more |
| V1147 | Trailer Type | 0 | No trailer | more |
| V1148 | Rght Side Body Mount Separated | 8 | Not applicable (unitized) | more |
| V1149 | Upper Right A-pillar Separated | 4 | No separation, but damaged | more |
| V1150 | Lower Right A-pillar Separated | 0 | No | more |
| V1151 | Upper Right B-pillar Separated | 0 | No | more |
| V1152 | Lower Right B-pillar Separated | 0 | No | more |
| V1153 | Upper Right C-pillar Separated | 0 | No | more |
| V1154 | Lower Right C-pillar Separated | 0 | No | more |
| V1155 | Upper Right D-pillar Separated | 8 | Not applicable (not equipped) | more |
| V1156 | Lower Right D-pillar Separated | 8 | Not applicable (not equipped) | more |
| V1157 | Right Front Door Opening Cause | 00 | Door did not open | more |
| V1158 | Right Rear Door Opening Cause | 00 | Door did not open | more |
| V1159 | Right Front Door Jammed Closed | 0 | No | more |
| | | | | |

| | | | | |
|-------|----------------------------------|----|---|----------------------|
| V1160 | Right Rear Door Jammed Closed | 0 | No | more |
| V1161 | Van Right-rear Door Type | 8 | Not applicable (not a van) | more |
| V1162 | Right Front Glazing Availability | 2 | Closed | more |
| V1163 | Right Rear Glazing Availability | 2 | Closed | more |
| V1164 | Rr2 Glazing Availability | 1 | Fixed | more |
| V1165 | Right Front Glazing Damage | 0 | No damage | more |
| V1166 | Right Rear Glazing Damage | 0 | No damage | more |
| V1167 | Rr2 Glazing Damage | 0 | No damage | more |
| V1168 | Windshield Cracked | 1 | Yes | more |
| V1169 | Windshield Broken | 0 | No Click for Windshield Damage figure | more |
| V1170 | Occupant Cracked/Broke Wndshld | 0 | No | more |
| V1171 | Bond Separation Extent | 0 | None | more |
| V1172 | Windshield Code | 99 | Click for Windshield Mark figure | more |
| V1173 | Did Sun Roof/T-Roof Open | 0 | No | more |

Case Vehicle Steering Column/Rim

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|--|------------|-------------------------|----------------------|
| V1201 | Steering Wheel Rim Damage | 1 | Deformed slightly | more |
| V1202 | Number of Steering Wheel Spokes | 4 | 4 spokes | more |
| V1203 | Steering Wheel Spoke Damage | 1 | Deformed slightly | more |
| V1204 | Steering Wheel Hub Damage | 0 | None | more |
| V1205 | Steering Wheel Location of Rim Damage | 1 | Top half | more |
| V1206 | Aftermarket Add-on Device | 0 | None | more |
| V1207 | Column Tilt Feature | 3 | Middle | more |
| V1208 | Column Swing-away Feature | 0 | Not equipped | more |
| V1209 | Column Telescoping Feature | 0 | Not equipped | more |
| V1210 | Wheel Energy Absorb Device | 8 | Not currently collected | more |
| V1211 | Wheel EA Device's original/damage Dimension Difference | 888 | Not collected | more |

| | | | | |
|-------|---|-----|----------------------|----------------------|
| V1212 | Column Energy Absorb Device | 88 | Not collected | more |
| V1213 | Col EA Device's Orig/compressed (or Extruded) Length Diff | 888 | Not collected | more |
| V1214 | Shear Capsule Separation | 888 | Not collected | more |
| V1215 | Column Vertical Rotation | 0 | No apparent rotation | more |
| V1216 | Column Lateral Rotation | 0 | No apparent rotation | more |

Case Vehicle Intrusion

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|-----------------------------------|------------|---|----------------------|
| V1301 | Was Occupant Compartment Intruded | 1 | Yes Click for Intrusion Worksheet figure Click for Intrusion figure | more |
| V1302 | Was Intrusn Catastrophic | 0 | No | more |
| V1303 | Intrusion #1 | 01 | Intrusion Number | more |
| V1304 | Occupant Space Number(1) | 11 | First row, Left seat | more |
| V1305 | Intrud Component/obj (1) | 01 | Instrument panel | more |
| V1306 | Associate Event Numb (1) | 1 | Event #1 | more |
| V1307 | Maximum Intrusion X Axis | 04 cm | Intrusion (cm) | more |
| V1308 | Maximum Intrusion Y Axis | 00 cm | 0 cm or No Intrusion | more |
| V1309 | Maximum Intrusion Z Axis | 00 cm | 0 cm or No Intrusion | more |
| V1310 | Occupant Number #1 (1) | 00 | No contact or no intrusion | more |
| V1311 | Injury Number #1 (1) | 00 | No injury or no intrusion | more |
| V1312 | Occupant Number #2 (1) | 00 | No contact or no intrusion | more |
| V1313 | Injury Number #2 (1) | 00 | No injury or no intrusion | more |
| V1314 | Intrusion Number #2 | 02 | Intrusion #2 | more |
| V1315 | Occupant Space Number(2) | 11 | First row, Left seat | more |
| V1316 | Intrud Component/obj (2) | 03 | Toe pan | more |
| V1317 | Associate Event Numb (2) | 1 | Event #1 | more |
| V1318 | Maximum Intrusion X Axis | 11 cm | Intrusion (cm) | more |
| V1319 | Maximum Intrusion Y Axis | 00 cm | 0 cm or No Intrusion | more |
| V1320 | Maximum Intrusion Z Axis | 00 cm | 0 cm or No Intrusion | more |
| V1321 | Occupant Number #1 (2) | 00 | No contact or no intrusion | more |
| V1322 | Injury Number #1 (2) | 00 | No injury or no intrusion | more |
| V1323 | Occupant Number #2 (2) | 00 | No contact or no intrusion | more |
| V1324 | Injury Number #2 (2) | 00 | No injury or no intrusion | more |
| | | | | |

| | | | | |
|-------|--------------------------|-------|----------------------------|----------------------|
| V1325 | Intrusion Number #3 | 03 | Intrusion #3 | more |
| V1326 | Occupant Space Number(3) | 11 | First row, Left seat | more |
| V1327 | Intrud Component/obj (3) | 04 | Floor pan | more |
| V1328 | Associate Event Numb (3) | 1 | Event #1 | more |
| V1329 | Maximum Intrusion X Axis | 00 cm | 0 cm or No Intrusion | more |
| V1330 | Maximum Intrusion Y Axis | 00 cm | 0 cm or No Intrusion | more |
| V1331 | Maximum Intrusion Z Axis | 06 cm | Intrusion (cm) | more |
| V1332 | Occupant Number #1 (3) | 00 | No contact or no intrusion | more |
| V1333 | Injury Number #1 (3) | 00 | No injury or no intrusion | more |
| V1334 | Occupant Number #2 (3) | 00 | No contact or no intrusion | more |
| V1335 | Injury Number #2 (3) | 00 | No injury or no intrusion | more |
| V1336 | Intrusion Number #4 | 04 | Intrusion #4 | more |
| V1337 | Occupant Space Number(4) | 12 | First row, Center seat | more |
| V1338 | Intrud Component/obj (4) | 01 | Instrument panel | more |
| V1339 | Associate Event Numb (4) | 1 | Event #1 | more |
| V1340 | Maximum Intrusion X Axis | 05 cm | Intrusion (cm) | more |
| V1341 | Maximum Intrusion Y Axis | 00 cm | 0 cm or No Intrusion | more |
| V1342 | Maximum Intrusion Z Axis | 00 cm | 0 cm or No Intrusion | more |
| V1343 | Occupant Number #1 (4) | 00 | No contact or no intrusion | more |
| V1344 | Injury Number #1 (4) | 00 | No injury or no intrusion | more |
| V1345 | Occupant Number #2 (4) | 00 | No contact or no intrusion | more |
| V1346 | Injury Number #2 (4) | 00 | No injury or no intrusion | more |
| V1347 | Intrusion Number #5 | 05 | Intrusion #5 | more |
| V1348 | Occupant Space Number(5) | 13 | First row, Right seat | more |
| V1349 | Intrud Component/obj (5) | 01 | Instrument panel | more |
| V1350 | Associate Event Numb (5) | 1 | Event #1 | more |
| V1351 | Maximum Intrusion X Axis | 20 cm | Intrusion (cm) | more |
| V1352 | Maximum Intrusion Y Axis | 00 cm | 0 cm or No Intrusion | more |
| V1353 | Maximum Intrusion Z Axis | 00 cm | 0 cm or No Intrusion | more |
| V1354 | Occupant Number #1 (5) | 00 | No contact or no intrusion | more |
| V1355 | Injury Number #1 (5) | 00 | No injury or no intrusion | more |
| V1356 | Occupant Number #2 (5) | 00 | No contact or no intrusion | more |
| V1357 | Injury Number #2 (5) | 00 | No injury or no intrusion | more |
| V1358 | Intrusion Number #6 | 06 | Intrusion #6 | more |
| V1359 | Occupant Space Number(6) | 13 | First row, Right seat | more |
| V1360 | Intrud Component/obj (6) | 03 | Toe pan | more |
| V1361 | Associate Event Numb (6) | 1 | Event #1 | more |
| V1362 | Maximum Intrusion X Axis | 21 cm | Intrusion (cm) | more |

| | | | | |
|-------|--------------------------|-------|---|----------------------|
| V1363 | Maximum Intrusion Y Axis | 00 cm | 0 cm or No Intrusion | more |
| V1364 | Maximum Intrusion Z Axis | 00 cm | 0 cm or No Intrusion | more |
| V1365 | Occupant Number #1 (6) | 00 | No contact or no intrusion | more |
| V1366 | Injury Number #1 (6) | 00 | No injury or no intrusion | more |
| V1367 | Occupant Number #2 (6) | 00 | No contact or no intrusion | more |
| V1368 | Injury Number #2 (6) | 00 | No injury or no intrusion | more |
| V1369 | Intrusion Number #7 | 99 | Unknown or data not collected | more |
| V1370 | Occupant Space Number(7) | 99 | Unknown or data not collected | more |
| V1371 | Intrud Component/obj (7) | 99 | Unknown or data not collected | more |
| V1372 | Associate Event Numb (7) | 9 | Unknown or data not collected | more |
| V1373 | Maximum Intrusion X Axis | 99 | Unknown or data not collected | more |
| V1374 | Maximum Intrusion Y Axis | 99 | Unknown or data not collected | more |
| V1375 | Maximum Intrusion Z Axis | 99 | Unknown or data not collected | more |
| V1376 | Occupant Number #1 (7) | 99 | Unknown or data not collected | more |
| V1377 | Injury Number #1 (7) | 99 | Contact, injury unknown or data not collected | more |
| V1378 | Occupant Number #2 (7) | 99 | Unknown or data not collected | more |
| V1379 | Injury Number #2 (7) | 99 | Contact, injury unknown or data not collected | more |
| V1380 | Intrusion Number #8 | 99 | Unknown or data not collected | more |
| V1381 | Occupant Space Number(8) | 99 | Unknown or data not collected | more |
| V1382 | Intrud Component/obj (8) | 99 | Unknown or data not collected | more |
| V1383 | Associate Event Numb (8) | 9 | Unknown or data not collected | more |
| V1384 | Maximum Intrusion X Axis | 99 | Unknown or data not collected | more |
| V1385 | Maximum Intrusion Y Axis | 99 | Unknown or data not collected | more |
| V1386 | Maximum Intrusion Z Axis | 99 | Unknown or data not collected | more |
| V1387 | Occupant Number #1 (8) | 99 | Unknown or data not collected | more |
| V1388 | Injury Number #1 (8) | 99 | Contact, injury unknown or data not collected | more |
| V1389 | Occupant Number #2 (8) | 99 | Unknown or data not collected | more |
| V1390 | Injury Number #2 (8) | 99 | Contact, injury unknown or data not collected | more |
| V1391 | Intrusion Number #9 | 99 | Unknown or data not collected | more |
| V1392 | Occupant Space Number(9) | 99 | Unknown or data not collected | more |
| V1393 | Intrud Component/obj (9) | 99 | Unknown or data not collected | more |
| V1394 | Associate Event Numb (9) | 9 | Unknown or data not collected | more |
| V1395 | Maximum Intrusion X Axis | 99 | Unknown or data not collected | more |
| V1396 | Maximum Intrusion Y Axis | 99 | Unknown or data not collected | more |
| V1397 | Maximum Intrusion Z Axis | 99 | Unknown or data not collected | more |

| | | | | |
|-------|----------------------------|----|---|----------------------|
| V1398 | Occupant Number #1 (9) | 99 | Unknown or data not collected | more |
| V1399 | Injury Number #1 (9) | 99 | Contact, injury unknown or data not collected | more |
| V1400 | Occupant Number #2 (9) | 99 | Unknown or data not collected | more |
| V1401 | Injury Number #2 (9) | 99 | Contact, injury unknown or data not collected | more |
| V1402 | Intrusion Number #10 | 99 | Unknown or data not collected | more |
| V1403 | Occupant Space Number (10) | 99 | Unknown or data not collected | more |
| V1404 | Intrud Component/obj(10) | 99 | Unknown or data not collected | more |
| V1405 | Associate Event Numb(10) | 9 | Unknown or data not collected | more |
| V1406 | Maximum Intrusion X Axis | 99 | Unknown or data not collected | more |
| V1407 | Maximum Intrusion Y Axis | 99 | Unknown or data not collected | more |
| V1408 | Maximum Intrusion Z Axis | 99 | Unknown or data not collected | more |
| V1409 | Occupant Number #1 (10) | 99 | Unknown or data not collected | more |
| V1410 | Injury Number #1 (10) | 99 | Contact, injury unknown or data not collected | more |
| V1411 | Occupant Number #2 (10) | 99 | Unknown or data not collected | more |
| V1412 | Injury Number #2 (10) | 99 | Contact, injury unknown or data not collected | more |
| V1413 | Intrusion Number (a) | 88 | Not Applicable | more |
| V1414 | Cause Of Intrusion (a) | 8 | Not applicable | more |
| V1415 | Intrusion Number (b) | 88 | Not Applicable | more |
| V1416 | Cause Of Intrusion (b) | 8 | Not applicable | more |
| V1417 | Intrusion Number (c) | 88 | Not Applicable | more |
| V1418 | Cause Of Intrusion (c) | 8 | Not applicable | more |
| V1419 | Intrusion Number (a) | 88 | Not Applicable | more |
| V1420 | Damaged Component 1 (a) | 8 | Not Applicable | more |
| V1421 | Damaged Component 2 (a) | 8 | Not Applicable | more |
| V1422 | Intrusion Number (b) | 88 | Not Applicable | more |
| V1423 | Damaged Component 1 (b) | 8 | Not Applicable | more |
| V1424 | Damaged Component 2 (b) | 8 | Not Applicable | more |
| V1425 | Intrusion Number (c) | 88 | Not Applicable | more |
| V1426 | Damaged Component 1 (c) | 8 | Not Applicable | more |
| V1427 | Damaged Component 2 (c) | 8 | Not Applicable | more |
| V1428 | Intrusion Number (d) | 88 | Not Applicable | more |
| V1429 | Damaged Component 1 (d) | 8 | Not Applicable | more |
| V1430 | Damaged Component 2 (d) | 8 | Not Applicable | more |

Case Vehicle Airbag(s)

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|------------------------|-------------------------------|-------------------|---|----------------------|
| V1501 | Driver Airbag Equipped | 1 | Yes Click for Driver Airbag figure | more |
| V1502 | Right Front Airbag Equip | 1 | Yes Click for Passenger Airbag figure | more |
| V1503 | Left Rear Airbag Equipped | 0 | No | more |
| V1504 | Right Rear Airbag Equipped | 0 | No | more |
| V1505 | Driver Airbag Deployed | 1 | Yes | more |
| V1506 | Rght Front Airbag Deploy | 1 | Yes | more |
| V1507 | Left Rear Airbag Deploy | 8 | Not applicable (no airbag) | more |
| V1508 | Rught Rear Airbag Deploy | 8 | Not applicable (no airbag) | more |
| V1509 | Driver On/off Switch | 0 | Not equipped (no switch) | more |
| V1510 | Rght Front On/off Switch | 0 | Not equipped (no switch) | more |
| V1511 | Left Rear On/off Switch | 8 | Not applicable (no airbag) | more |
| V1512 | Right Rear On/off Switch | 8 | Not applicable (no airbag) | more |
| V1513 | Driver Airbag Location | 1 | Steering wheel | more |
| V1514 | Right Front Airbag Location | 2 | Top instrument panel | more |
| V1515 | Left Rear Airbag Location | 0 | No airbag | more |
| V1516 | Right Rear Airbag Location | 0 | No airbag | more |
| V1517 | Driver Airbag Condition | 0 | No damage | more |
| V1518 | Right Front Airbag Condition | 0 | No damage | more |
| V1519 | Left Rear Airbag Condition | 8 | Not applicable (not equipped / not deployed) | more |
| V1520 | Right Rear Airbag Condition | 8 | Not applicable (not equipped / not deployed) | more |
| V1521 | Driver Airbag Tether | 1 | Yes | more |
| V1522 | Right Front Airbag Tether | 0 | No | more |
| V1523 | Left Rear Airbag Tether | 8 | Not applicable | more |
| V1524 | Right Rear Airbag Tether | 8 | Not applicable | more |
| V1525 | Driver Marked By Contact | 0 | No | more |
| V1526 | Right Front Marked By Contact | 0 | No | more |
| V1527 | Left Rear Marked By Contact | 8 | Not applicable (no airbag / not deployed) | more |
| V1528 | Right Rear Marked By Contact | 8 | Not applicable (no airbag / not deployed) | more |
| V1529 | Driver Module Type | 8 | Other | more |
| V1530 | Right Front Module Type | 8 | Other | more |
| V1531 | Left Rear Module Type | 0 | No airbag present | more |
| | | | | |

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|-------|-----------------------------------|---|----------------------------|----------------------|
| V1532 | Right Rear Module Type | 0 | No airbag present | more |
| V1533 | Driver Module Cover Dam. | 1 | Flaps not damaged / marked | more |
| V1534 | Right Front Module Cover Dam. | 1 | Flaps not damaged / marked | more |
| V1535 | Left Rear Module Cover Dam. | 0 | No airbag | more |
| V1536 | Right Rear Module Cover Dam. | 0 | No airbag | more |
| V1537 | Driver Airbag Type | 1 | Original equipment | more |
| V1538 | Right Front Airbag Type | 1 | Original equipment | more |
| V1539 | Left Rear Airbag Type | 0 | No airbag | more |
| V1540 | Right Rear Airbag Type | 0 | No airbag | more |
| V1541 | Driver Airbag Vents | 1 | No vents - porous airbag | more |
| V1542 | Right Front Airbag Vents | 2 | Vents present | more |
| V1543 | Left Rear Airbag Vents | 0 | No airbag | more |
| V1544 | Right Rear Airbag Vents | 0 | No airbag | more |
| V1545 | Driver Knee Bolster Equipped | 0 | No | more |
| V1546 | Right Front Knee Bolster Equipped | 0 | No | more |
| V1547 | Left Rear Knee Bolster Equipped | 0 | No | more |
| V1548 | Right Rear Knee Bolster Equipped | 0 | No | more |
| V1549 | Driver Knee Bolster Deploy | 8 | Not applicable (no airbag) | more |
| V1550 | Right Front Knee Bolster Deploy | 8 | Not applicable (no airbag) | more |
| V1551 | Left Rear Knee Bolster Deploy | 8 | Not applicable (no airbag) | more |
| V1552 | Right Rear Knee Bolster Deploy | 8 | Not applicable (no airbag) | more |
| V1553 | Left Front Number of Tethers | 2 | Tethers | more |
| V1554 | Left Front Number of Vents | 8 | Not applicable (no airbag) | more |
| V1555 | Right Front Number of Tethers | 8 | Not applicable (no airbag) | more |
| V1556 | Right Front Number of Vents | 2 | Vents | more |
| V1557 | Left Rear Number of Tethers | 8 | Not applicable (no airbag) | more |
| V1558 | Left Rear Number of Vents | 8 | Not applicable (no airbag) | more |
| V1559 | Right Rear Number of Tethers | 8 | Not applicable (no airbag) | more |
| V1560 | Right Rear Number of Vents | 8 | Not applicable (no airbag) | more |

Case Vehicle Interior

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|------------------------------|------------|----------------------|----------------------|
| V1601 | Left Front Door Damaged | 3 | No, occupant contact | more |
| V1602 | Right Front Door Damaged | 0 | No | more |
| V1603 | Left Front Hardware Damaged | 0 | No | more |
| V1604 | Right Front Hardware Damaged | 0 | No | more |
| V1605 | Left Front Armrest Damaged | 0 | No | more |
| V1606 | Right Front Armrest Damaged | 0 | No | more |
| V1607 | Left Front Glass Damaged | 0 | No | more |
| V1608 | Right Front Glass Damaged | 0 | No | more |
| V1609 | Left Rear Door Area Damaged | 0 | No | more |
| V1610 | Right Rear Door Area Damaged | 0 | No | more |
| V1611 | Left Rear Hardware Damaged | 0 | No | more |
| V1612 | Right Rear Hardware Damaged | 0 | No | more |
| V1613 | Left Rear Armrest Damaged | 0 | No | more |
| V1614 | Right Rear Armrest Damaged | 0 | No | more |
| V1615 | Left Rear Glass Damaged | 0 | No | more |
| V1616 | Right Rear Glass Damaged | 0 | No | more |
| V1617 | Left Roof Side Rail Damaged | 3 | No, occupant contact | more |
| V1618 | Right Roof Side Rail Damaged | 0 | No | more |
| V1619 | Left B-pillar Damaged | 0 | No | more |
| V1620 | Right B-pillar Damaged | 0 | No | more |
| V1621 | Left C-pillar Damaged | 0 | No | more |
| V1622 | Right C-pillar Damaged | 0 | No | more |
| V1623 | Left D-pillar Damaged | 8 | Not applicable | more |
| V1624 | Right D-pillar Damaged | 8 | Not applicable | more |
| V1625 | Left Headlining Damaged | 3 | No, occupant contact | more |
| V1626 | Right Headlining Damaged | 0 | No | more |
| V1627 | Left Roof Structure Damaged | 0 | No | more |
| | | | | |

| | | | | |
|-------|------------------------------|---|-----------------------|----------------------|
| V1628 | Right Roof Structure Damaged | 0 | No | more |
| V1629 | Left T/sun Roof Damaged | 0 | No | more |
| V1630 | Right T/sun Roof Damaged | 0 | No | more |
| V1631 | Other Left Side Item Damagd | 0 | No | more |
| V1632 | Other Right Side Item Damagd | 0 | No | more |
| V1633 | Foot Controls Damaged | 1 | Yes | more |
| V1634 | Ignition Key Damaged | 0 | No | more |
| V1635 | Rear View Mirror Damaged | 0 | No | more |
| V1636 | Sunvisor/fitting Damaged | 5 | Left side only | more |
| V1637 | Windshld Molding Damaged | 0 | No | more |
| V1638 | Left A-pillar Damaged | 0 | No | more |
| V1639 | Right A-pillar Damaged | 0 | No | more |
| V1640 | Console Damaged | 0 | No | more |
| V1641 | Transmissn Lever Damaged | 1 | Yes | more |
| V1642 | Horn/spoke Shroud Damagd | 4 | Yes, occupant contact | more |
| V1643 | Upper Panel Damaged | 1 | Yes | more |
| V1644 | Mid Panel Damaged | 1 | Yes | more |
| V1645 | Lower Panel Damaged | 4 | Yes, occupant contact | more |
| V1646 | Ashtray Damaged | 0 | No | more |
| V1647 | Control Knob/lever Damaged | 1 | Yes | more |
| V1648 | Glove Compart Area Damaged | 1 | Yes | more |
| V1649 | Instruments Damaged | 0 | No | more |
| V1650 | Park Brake Release Damaged | 0 | No | more |
| V1651 | Park Brake Pedal Damaged | 8 | Not applicable | more |
| V1652 | A/c Or Upper Vent Damagd | 1 | Yes | more |
| V1653 | Heater Or A/c Duct Damaged | 0 | No | more |
| V1654 | Radio Damaged | 1 | Yes | more |
| V1655 | Other Front Item Damaged | 0 | No | more |
| V1656 | Rear Backlight Damaged | 0 | No | more |
| V1657 | Backlight Header Damaged | 0 | No | more |
| V1658 | Vertical Console Damaged | 1 | Yes | more |
| V1659 | Roof Console Damaged | 0 | No | more |

Case Vehicle Seats

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| Variable | | Code | | Other |
|----------|--|------|--|-------|
|----------|--|------|--|-------|

| Number | Variable Name | Value | Code Description | Options |
|---------------|-----------------------------------|--------------|-------------------------|----------------------|
| V1701 | Driver Front Seat Type | 05 | Bucket | more |
| V1702 | Passenger Front Seat Type | 05 | Bucket | more |
| V1703 | Driver Seat Mount Type | 1 | Standard | more |
| V1704 | Passenger Seat Mount Type | 1 | Standard | more |
| V1705 | Driver Swivel Mech Equipped | 0 | No | more |
| V1706 | Passenger Swivel Mech Equipped | 0 | No | more |
| V1707 | Driver Seat Original Equipment | 1 | Yes | more |
| V1708 | Passenger Seat Original Equipment | 1 | Yes | more |
| V1709 | Driver Seat/rear Oc Contct | 1 | Yes | more |
| V1710 | Passenger Seat/rear Oc Contct | 0 | No | more |
| V1711 | Driver Seat Damage | 0 | None | more |
| V1712 | Passenger Seat Damage | 0 | None | more |
| V1713 | Cntr Frnt Armrest Damagd | 0 | No | more |
| V1714 | Driver Seat-back Rotation | 0 | None apparent | more |
| V1715 | Passenger Seat-back Rotation | 0 | None apparent | more |
| V1716 | Driver Seat-back Type | 3 | Reclining | more |
| V1717 | Passenger Seat-back Type | 3 | Reclining | more |
| V1718 | Driver Seat-back Lock Type | 1 | Manual | more |
| V1719 | Passenger Seat-back Lock Type | 1 | Manual | more |
| V1720 | Driver Seat-back Lock Held | 1 | Yes | more |
| V1721 | Passenger Seat-back Lock Held | 1 | Yes | more |
| V1722 | Driver Recliner Mech Held | 1 | Yes | more |
| V1723 | Passenger Recliner Mech Held. | 1 | Yes | more |
| V1724 | Driver Head Restraint Type | 1 | Adjustable | more |
| V1725 | Passenger Head Restraint Type | 1 | Adjustable | more |
| V1726 | Driver Head Rest Removed | 0 | No | more |
| V1727 | Passenger Head Rest Removed | 0 | No | more |
| V1728 | Driver Head Rest Adjustmnt | 2 | Down | more |
| V1729 | Passenger Head Rest | 2 | Down | more |

| | Adjustmnt | | | |
|-------|--|---|----------------|----------------------|
| V1730 | Driver Head Rest Damage | 0 | None | more |
| V1731 | Passenger Head Rest Damage | 0 | None | more |
| V1732 | Driver Rear Impact Counter | 0 | None | more |
| V1733 | Passenger Rear Impact Counter | 0 | None | more |
| V1734 | Driver Seat Adjustmnt Type | 1 | Manual | more |
| V1735 | Passenger Seat Adjustmnt Type | 1 | Manual | more |
| V1736 | Driver Seat Adjust Provisn | 2 | 4-way | more |
| V1737 | Passenger Seat Adjust Provisn | 2 | 4-way | more |
| V1738 | Driver Seat Adjuster Dam | 0 | None | more |
| V1739 | Passenger Seat Adjuster Dam | 0 | None | more |
| V1740 | Driver Seat Adjuster Sep | 8 | Not applicable | more |
| V1741 | Passenger Seat Adjuster Sep | 8 | Not applicable | more |
| V1742 | Driver Seat Pre-crash Pos | 2 | Middle | more |
| V1743 | Passenger Seat Pre-crash Pos | 2 | Middle | more |
| V1744 | Left Rear Seat Type | 1 | Non-folding | more |
| V1745 | Rght Rear Seat Type | 1 | Non-folding | more |
| V1746 | Left Rear Seat Damage | 0 | None | more |
| V1747 | Rght Rear Seat Damage | 0 | None | more |
| V1748 | Cntr Rear Armrest Damagd | 8 | Not applicable | more |
| V1749 | Left Rear Seat-back Left Lock Equipped | 8 | Not applicable | more |
| V1750 | Right Rear Seat-back Left Lock Equipped | 8 | Not applicable | more |
| V1751 | Left Rear Seat-back Left Lock Held | 8 | Not applicable | more |
| V1752 | Right Rear Seat-back Left Lock Held | 8 | Not applicable | more |
| V1753 | Left Rear Seat-back Right Lock Equipped | 8 | Not applicable | more |
| V1754 | Right Rear Seat-back Right Lock Equipped | 8 | Not applicable | more |
| V1755 | Left Rear Seat-back Right Lock Held | 8 | Not applicable | more |
| V1756 | Right Rear Seat-back Right Lock Held | 8 | Not applicable | more |
| V1757 | Left 3rd Seat Equipped | 0 | No | more |
| V1758 | Right 3rd Seat Equipped | 0 | No | more |

| | | | | |
|-------|------------------------------------|---|----------------|----------------------|
| V1759 | Left 3rd Row Type Seat | 0 | None | more |
| V1760 | Right 3rd Row Type Seat | 0 | None | more |
| V1761 | Left 3rd Seat Damage | 8 | Not applicable | more |
| V1762 | Right 3rd Seat Damage | 8 | Not applicable | more |
| V1763 | Left 3rd Seat Cushion Dam | 8 | Not applicable | more |
| V1764 | Right 3rd Seat Cushion Dam | 8 | Not applicable | more |
| V1765 | Left 3rd Seat L/c Lock Equipped | 8 | Not applicable | more |
| V1766 | Right 3rd Seat L/c Lock Equipped | 8 | Not applicable | more |
| V1767 | Left 3rd Seat L/c Lock Held | 8 | Not applicable | more |
| V1768 | Right 3rd Seat L/c Lock Held | 8 | Not applicable | more |
| V1769 | Left 3rd Seat Right Lock Equipped | 8 | Not applicable | more |
| V1770 | Right 3rd Seat Right Lock Equipped | 8 | Not applicable | more |
| V1771 | Left 3rd Seat Right Lock Held | 8 | Not applicable | more |
| V1772 | Right 3rd Seat Right Lock Held | 8 | Not applicable | more |
| V1773 | Rear Head Restraints | 1 | Equipped | more |

Case Vehicle Side Airbag(s)

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| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|-----------------------------------|------------|------------------|----------------------|
| V1801 | Side Airbag Equipped | 0 | Not equipped | more |
| V1802 | Left Front Seatback Mount Deploy | 0 | Not equipped | more |
| V1803 | Right Front Seatback Mount Deploy | 0 | Not equipped | more |
| V1804 | Left Rear Seatback Mount Deploy | 0 | Not equipped | more |
| V1805 | Right Rear Seatback Mount Deploy | 0 | Not equipped | more |
| V1806 | Left Front Seatback Module Type | 0 | Not equipped | more |
| V1807 | Right Front Seatback Module Type | 0 | Not equipped | more |
| V1808 | Left Rear Seatback Module Type | 0 | Not equipped | more |
| | | | | |

| | | | | |
|-------|-----------------------------------|---|--------------|----------------------|
| V1809 | Right Rear Seatback Module Type | 0 | Not equipped | more |
| V1810 | Left Front Seatback Airbag Type | 0 | Not equipped | more |
| V1811 | Right Front Seatback Airbag Type | 0 | Not equipped | more |
| V1812 | Left Rear Seatback Airbag Type | 0 | Not equipped | more |
| V1813 | Right Rear Seatback Airbag Type | 0 | Not equipped | more |
| V1814 | Left Front Seatback Airbag Cond. | 0 | Not equipped | more |
| V1815 | Right Front Seatback Airbag Cond. | 0 | Not equipped | more |
| V1816 | Left Rear Seatback Airbag Cond. | 0 | Not equipped | more |
| V1817 | Right Rear Seatback Airbag Cond. | 0 | Not equipped | more |
| V1818 | Left Front Door-mounted Deploy | 0 | Not equipped | more |
| V1819 | Right Front Door-mounted Deploy | 0 | Not equipped | more |
| V1820 | Left Rear Door-mounted Deploy | 0 | Not equipped | more |
| V1821 | Right Rear Door-mounted Deploy | 0 | Not equipped | more |
| V1822 | Left Front Door Module Type | 0 | Not equipped | more |
| V1823 | Right Front Door Module Type | 0 | Not equipped | more |
| V1824 | Left Rear Door Module Type | 0 | Not equipped | more |
| V1825 | Right Rear Door Module Type | 0 | Not equipped | more |
| V1826 | Left Front Door Airbag Type | 0 | Not equipped | more |
| V1827 | Right Front Door Airbag Type | 0 | Not equipped | more |
| V1828 | Left Rear Door Airbag Type | 0 | Not equipped | more |
| V1829 | Right Rear Door Airbag Type | 0 | Not equipped | more |
| V1830 | Left Front Door Airbag Condition | 0 | Not equipped | more |
| V1831 | Right Front Door Airbag Condition | 0 | Not equipped | more |

| | | | | |
|-------|-----------------------------------|---|--------------|----------------------|
| V1832 | Left Rear Door Airbag Condition | 0 | Not equipped | more |
| V1833 | Right Rear Door Airbag Condition | 0 | Not equipped | more |
| V1834 | Left Front Roof Mounted Deploy | 0 | Not equipped | more |
| V1835 | Right Front Roof Mounted Deploy | 0 | Not equipped | more |
| V1836 | Left Rear Roof Mounted Deploy | 0 | Not equipped | more |
| V1837 | Right Rear Roof Mounted Deploy | 0 | Not equipped | more |
| V1838 | Left Front Roof Module Type | 0 | Not equipped | more |
| V1839 | Right Front Roof Module Type | 0 | Not equipped | more |
| V1840 | Left Rear Roof Module Type | 0 | Not equipped | more |
| V1841 | Right Rear Roof Module Type | 0 | Not equipped | more |
| V1842 | Left Front Roof Airbag Type | 0 | Not equipped | more |
| V1843 | Right Front Roof Airbag Type | 0 | Not equipped | more |
| V1844 | Left Rear Roof Airbag Type | 0 | Not equipped | more |
| V1845 | Right Rear Roof Airbag Type | 0 | Not equipped | more |
| V1846 | Left Front Roof Airbag Condition | 0 | Not equipped | more |
| V1847 | Right Front Roof Airbag Condition | 0 | Not equipped | more |
| V1848 | Left Rear Roof Airbag Condition | 0 | Not equipped | more |
| V1849 | Right Rear Roof Airbag Condition | 0 | Not equipped | more |

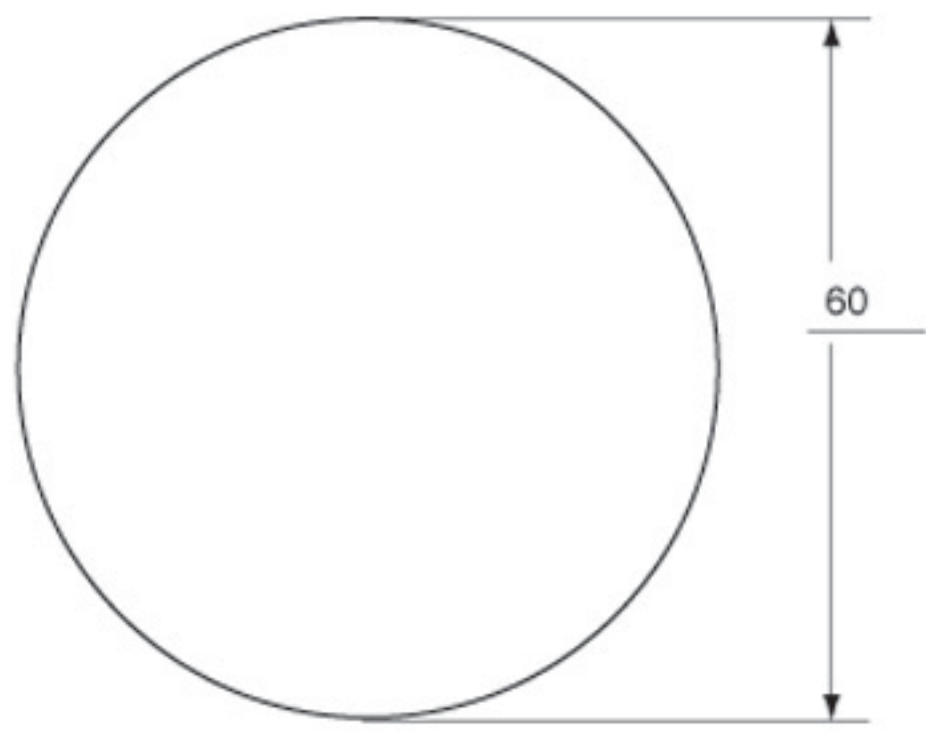
EDR -- Event Data Recorder

[Back to Top](#)

| Variable Number | Variable Name | Code Value | Code Description | Other Options |
|-----------------|--|------------|------------------|----------------------|
| V1901 | Case Vehicle EDR Equipped | 0 | Not equipped | more |
| V1902 | Type Of File Recovered | 0 | Not equipped | more |
| V1903 | EDR Pre-crash Braking | 0 | Not equipped | more |
| V1904 | Event Data Recorder (EDR) Pre-impact Speed | 99 | Unknown | more |
| V1905 | EDR Driver Belt Status | 0 | Not equipped | more |
| | | | | |

| | | | | |
|-------|--|-----|-------------------------|----------------------|
| V1906 | EDR Right Front Belt Status | 0 | Not equipped | more |
| V1907 | Right Front Airbag Suppressed | 0 | Not equipped | more |
| V1908 | Sir Warning Lamp Status | 0 | Not equipped | more |
| V1909 | Time Between Near Deployment and Deployment (in Seconds) | 0 | Not equipped | more |
| V1910 | Time Between Algorithm Enable and Deployment (in ms) | 000 | Not equipped | more |
| V1911 | Maximum Recorded Longitudinal Velocity Change (mph) | 000 | No time / not collected | more |
| V1912 | Maximum Recorded Lateral Velocity Change (mph) | 000 | No time / not collected | more |
| V1913 | More Than One Deploy? | 0 | Not equipped | more |

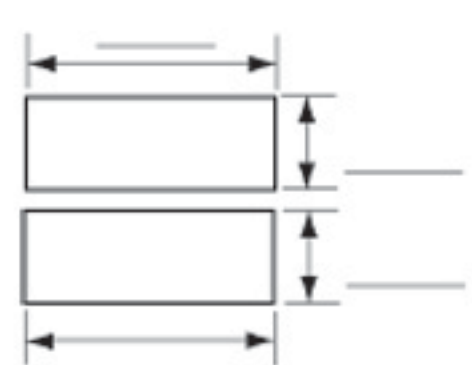
Driver Airbag



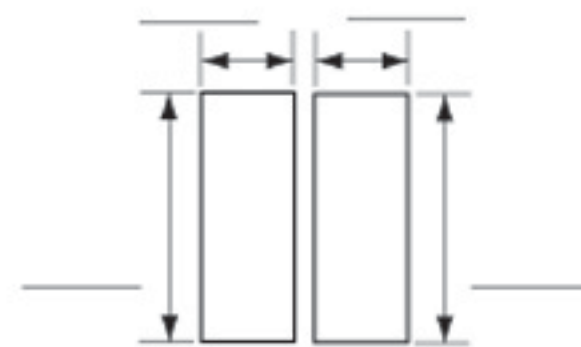
Vents: Y N
if yes, how many: 0

Tethers: Y N
if yes, how many: 2

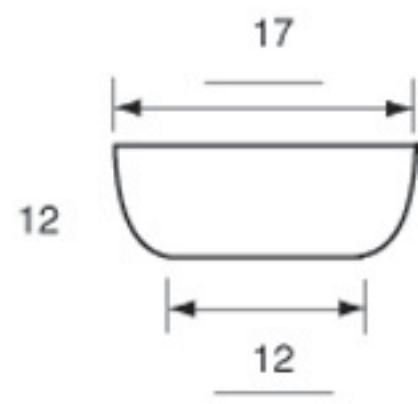
Driver Airbag Doors



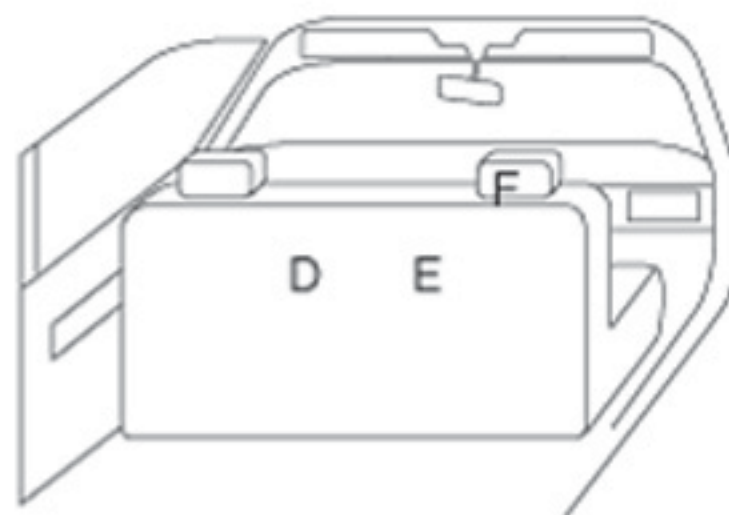
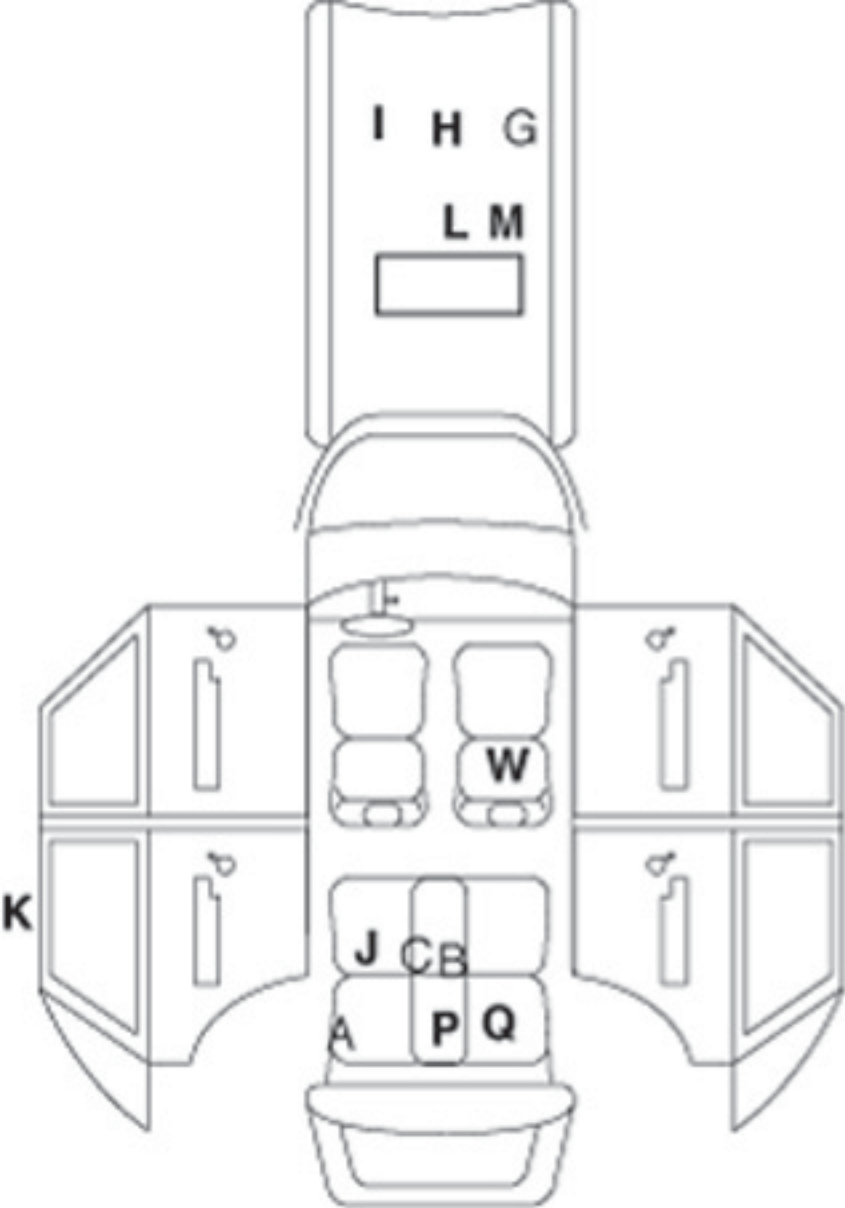
H-Pattern



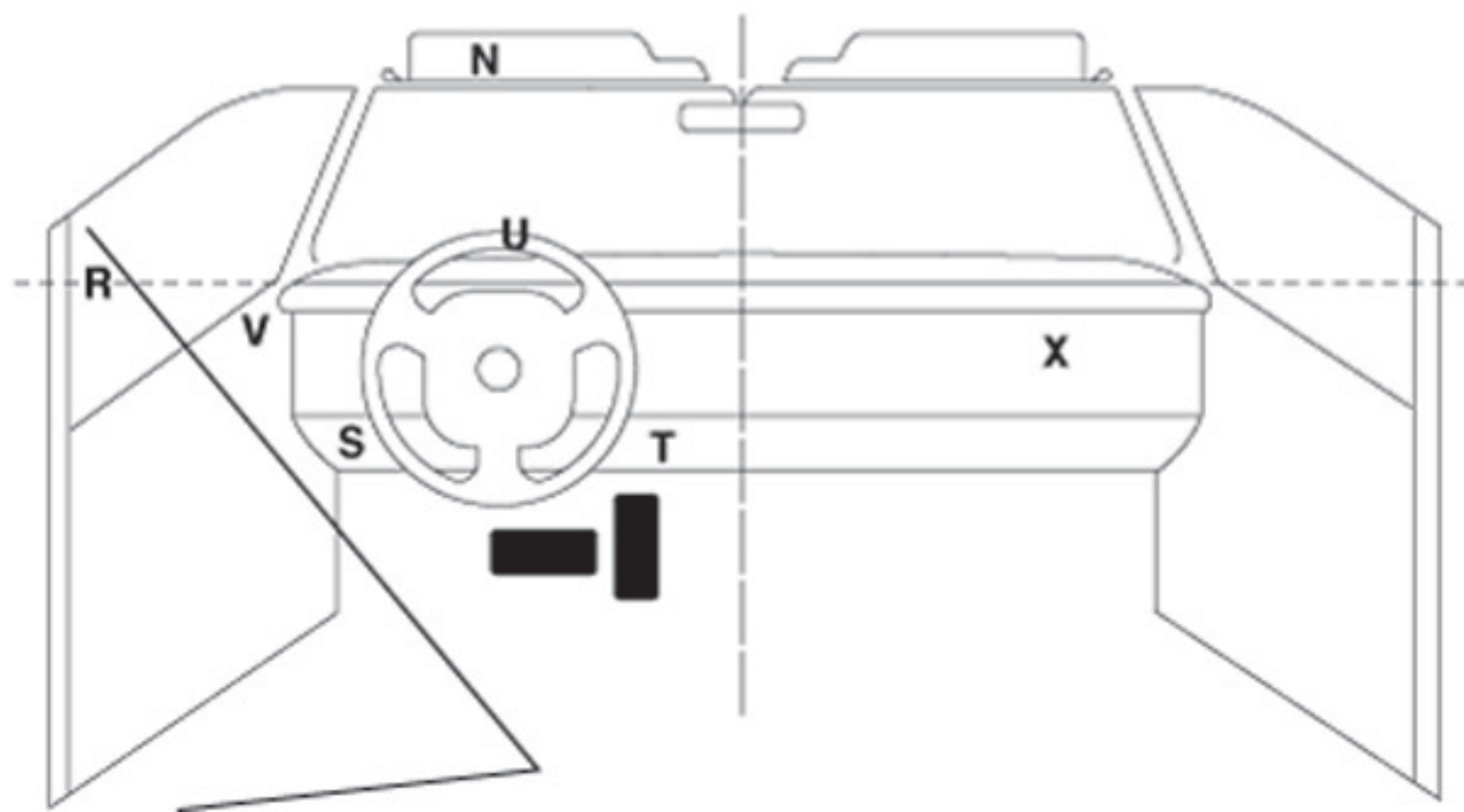
I-Pattern



Single Door



- A = blood on LR seat belt**
- B = blood on CR lap belt**
- C = blood on LR/CR seat cushion**
- D = scuff on DR seatback**
- E = scuff on RF seatback**
- F = blood/scuff on RF seat headrest**
- G = blood on roof above RR**
- H = blood smear on roof above CR**
- I = scuff/blood on roof above LR**
- J = blood on LR latchplate**
- K = blood on LR roof siderail**
- L = blood on roof over CR, near sunroof**
- M = blood on roof over RR, near sunroof**
- N = blood on DR visor**
- P = blood on CR backrest**
- Q = blood on RR backrest**
- R = load mark on DR d-ring**
- S = DR knee bolster, left, deformed**
- T = DR knee bolster, right, deformed**
- U = upper SW rim deflected forward**
- V = scuff on LF door**
- W = blood on RF seat backrest**
- X = RF airbag scuff**



1 = Definitely 2 = Probably 3 = Possible

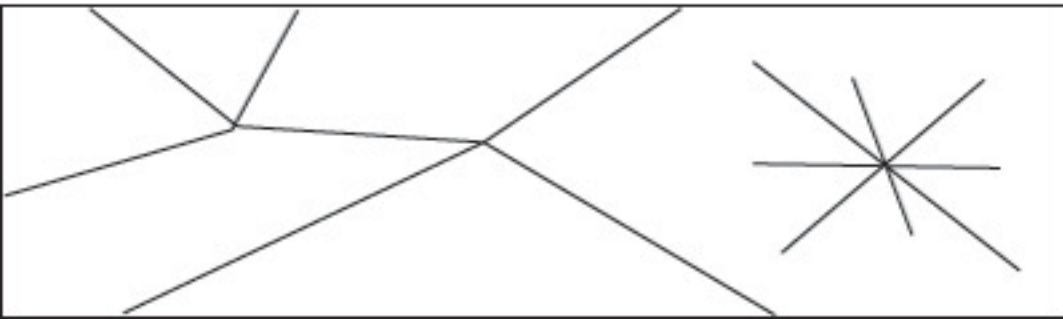
INTRUSION IT-1

| Location of Intrusion | Intruded Component | (All Measurements Are in Centimeters) | | | | | Dominant Crush Direction |
|-----------------------|--------------------|---------------------------------------|---|----------------|---|-----------|--------------------------|
| | | Comparison Value | – | Intruded Value | = | Intrusion | |
| 11 | Toe pan | 105 | – | 94 | = | 11 | To rear |
| 11 | IP | 76 | – | 72 | = | 4 | To rear |
| 11 | Floor | 50 | – | 44 | = | 6 | Up |
| 12 | IP | 58 | – | 53 | = | 5 | To rear |
| 13 | Toe pan | 105 | – | 84 | = | 21 | To rear |
| 13 | IP | 76 | – | 56 | = | 20 | To rear |

OCCUPANT CONTACT WORKSHEET

| Contact | Interior Component Contacted | Occupant No. if Known | Body Region if Known | Supporting Physical Evidence | Confidence Level of Contact Point |
|---------|------------------------------|-----------------------|----------------------|--------------------------------------|-----------------------------------|
| A | LR seat belt | 2 | Unk. | Blood on seat belt | 2 |
| B | CR seat belt | 2 | Unk. | Blood on seat belt | 2 |
| C | LR/CR seat | 2 | Unk. | Blood on seat cushion | 2 |
| D | LF seatback | 2 | Left hand | Scuff on rear portion of seatback | 2 |
| E | RF seatback | 2 | Unk. | Scuff on rear portion of seatback | 2 |
| F | RF headrest | 2 | Unk. | Blood on rear of headrest | 2 |
| G, H, I | Roof | 2 | Unk. | Blood spatters across roof | 2 |
| J | LR seat belt | 2 | Unk. | Blood on latchplate | 2 |
| K | LR roof rail | 2 | Unk. | Blood on LR roof siderail | 2 |
| L-M | Roof | 2 | Unk. | Blood spatter across roof by sunroof | 2 |
| N | DR visor | 1 | Unk. | Blood spatter on DR visor | 2 |
| P | CR seat | 2 | Unk. | Blood stain on CR backrest | 2 |
| Q | RR seat | 2 | Unk. | Blood stain on RR backrest | 2 |
| R | DR seat belt | 1 | Chest | Load mark on DR D-ring | 1 |
| S-T | Knee bolster | 1 | Knees | Deformed, scuffed | 1 |
| U | SW rim | 1 | Chest | Deflected forward | 2 |
| V | LF door | 1 | Unk. | Scuff | 3 |
| W | RF seat | Unk. | Unk. | Blood on RF seat backrest | 2 |
| X | RF airbag | Unk. | Unk. | Scuff mark | 3 |

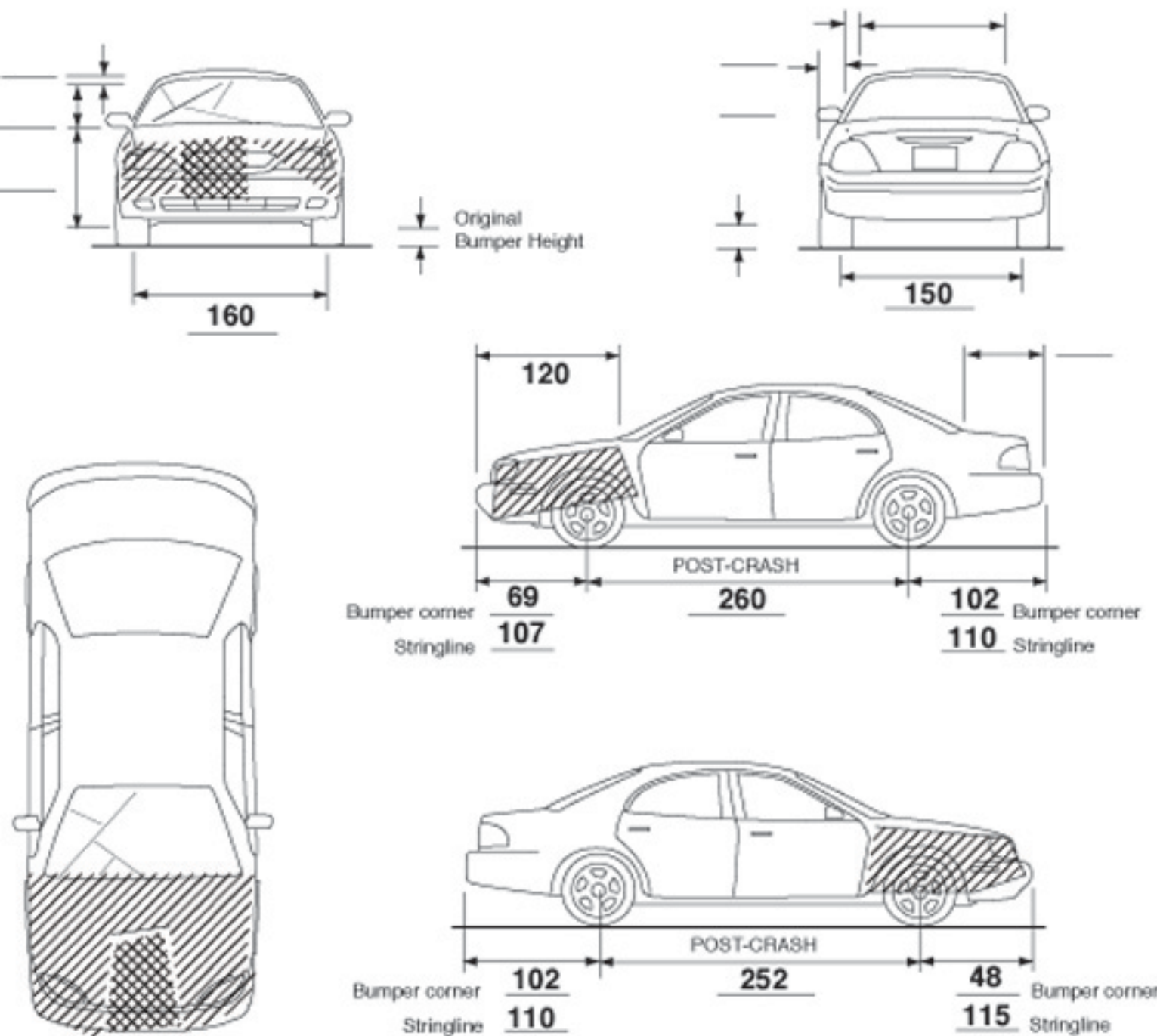
Damage from RF airbag deployment



WINDSHIELD MARK ON CASE VEHICLE:

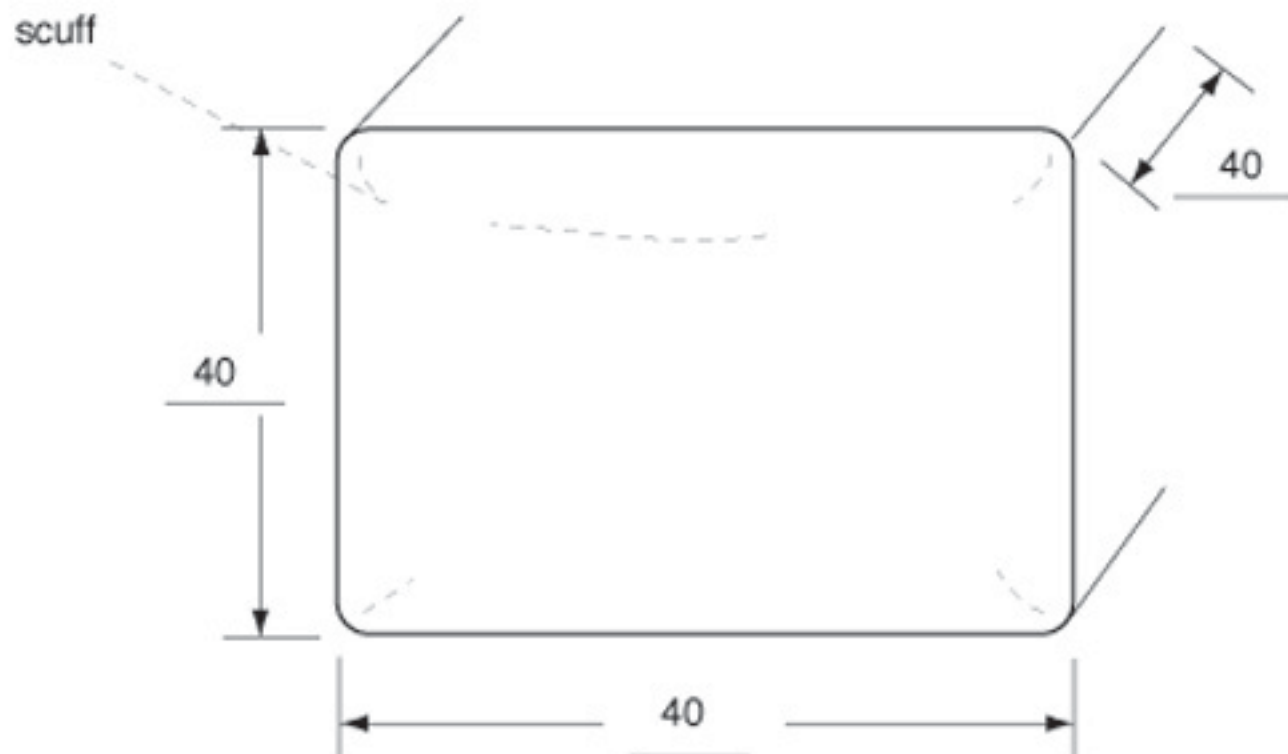
Unknown

MEASUREMENTS IN CENTIMETERS



40-cm direct damage width

Passenger Airbag

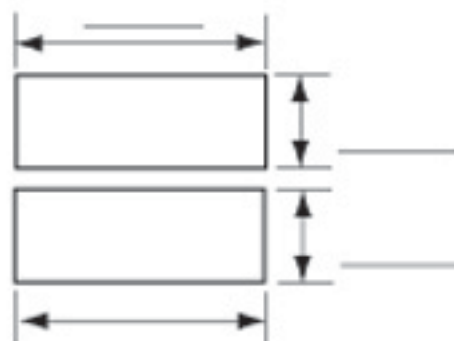


Vents: Y N
if yes, how many: 2

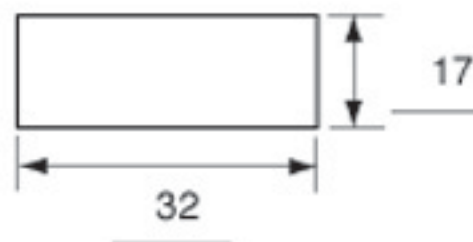
Tethers: Y N
if yes, how many: 0

Passenger Airbag Doors

H-Pattern



Single Door























SINCE  1895









































































































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MYT ServiceLine
MY Service Advisor

Service
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WARNING

DEATH or SERIOUS INJURY can occur

Children 12 and under can be fatal to the air bag.
The BACK SEAT is the SAFEST place to ride.
NEVER put a child in the front seat.
Sit as far back as possible and use proper
CHILD SEAT BELT USE. SEE OWNER'S MANUAL FOR DETAILS.



WARNING

DEATH or SERIOUS INJURY can occur
Children in vehicles can be killed by the air bag
The SEAT BELT is the SAFEST place to ride
NEVER use a rear-facing child seat in the front
ALWAYS use SEAT BELTS and CHILD RESTRAINTS



WWW.MMA



















SRS
AIRBAG

0161
153



102000000
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MAZDA

V6





























WALK WITH US

WALK WITH US

WALK WITH US

WALK WITH US

