

# INDIANA UNIVERSITY

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## REMOTE NOT IN TRAFFIC SURVEILLANCE HYPERThERMIa INVESTIGATION

CASE NUMBER - IN09031  
LOCATION - FLORIDA  
VEHICLE - 2006 DODGE CHARGER R/T  
INCIDENT DATE - June 2009

Submitted:

May 18, 2010



Contract Number: DTNH22-07-C-00044

Prepared for:

U.S. Department of Transportation  
National Highway Traffic Safety Administration  
National Center for Statistics and Analysis  
Washington, D.C. 20590-0003

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The incident investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points be coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-incident, incident, and post-incident movements of involved vehicles and occupants.

Because each incident is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

**Technical Report Documentation Page**

|  |   |                                    |  |                                   |   |
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| 15. <i>Supplementary Notes</i><br>Remote Not in Traffic Surveillance Hyperthermia Investigation involving a 2006 Dodge Charger and a 23-month-old female child who had been left unattended in the vehicle.  |   |                                    |  |                                   |   |
| 16. <i>Abstract</i><br>This report covers a remote investigation of a Not In Traffic Surveillance Hyperthermia incident that involved a 2006 Dodge Charger R/T. The focus of this case was the circumstances surrounding the death of a 23-month-old female child who had been left unattended in the vehicle. The incident occurred in Florida, in June 2009, in a residential driveway, and happened between the hours of 0600 and 1207. The mother placed the child in a booster seat located in the second row right seating position. The father then drove the mother to work. After the mother was dropped off at work at 0600 hours, the father returned home, around 0630 hours. According to the father's sister-in-law, the father and child were observed sitting in the vehicle at 0713 hours with the vehicle still running. Later the father went into the house and fell asleep. Because of the driver/father's tiredness and inebriation, the vehicle was left running but locked with the child still in the booster seat. The father told police that he was unaware that the child had been placed in the car. The sister-in-law of the father awoke around noon, recognized an abnormal quietness in the house, and went searching for the child. The sister-in-law located the child inside the car in the driveway. The car was still running with the air conditioning on. She woke the father who located a spare key and unlocked the vehicle. The sister-in-law indicated that the child was blue in color and not breathing. The father removed the child from the vehicle, and the child was transported by ambulance to the hospital. The police noted that the child had skin slippage on her face, including both cheeks, and forehead. The child was pronounced dead of hyperthermia at the hospital at 1224 hours. |   |                                    |  |                                   |   |
| 17. <i>Key Words</i><br>Not In Traffic Surveillance<br>Hyperthermia  |   |                                    | Motor Vehicle Non-traffic<br>Incident; Injury Severity                                       |                                   | 18. <i>Distribution Statement</i><br>General Public |
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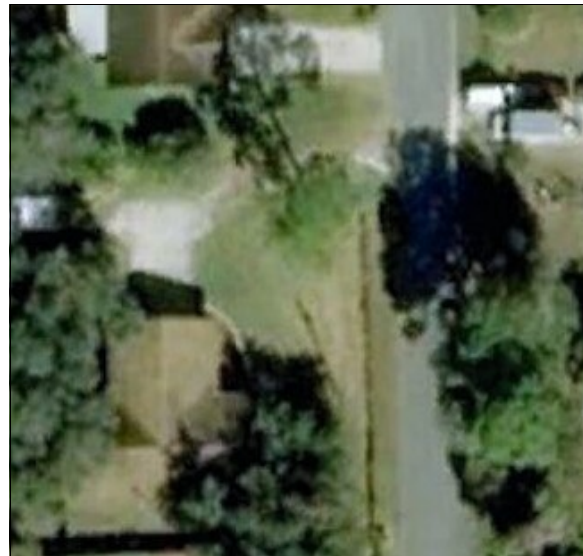
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This incident was brought to our attention by the National Highway Traffic Safety Administration (NHTSA) on June 16, 2009 by an internet news article. This investigation was assigned on September 14, 2009. This incident involved a 2006 Dodge Charger and a 23-month-old female child who had been left unattended in the vehicle. The incident occurred in June 2009, between the hours of 0600 and 1207, in Florida and was investigated by a county Sheriff's Office. The focus of this investigation is the death of the child who had been left unattended in the vehicle. The police completed an Offense Report, but the report was not submitted to the state. A remote investigation was conducted based on all available information. This report is based on the police report, on-scene vehicle photographs obtained from the investigating police agency, and the evaluation of the evidence.

#### INCIDENT CIRCUMSTANCES

**Incident Environment:** The incident occurred in a residential driveway which arced in a generally northeast-southwest direction (**Figures 1 and 2**). The driveway intersected a 2-lane, undivided, urban residential street, traversing in a north-south direction. The Dodge had been parked in the driveway, heading west-southwest (**Figure 3**), with its engine running and air conditioning on. During the daytime incident it was partly cloudy and the driveway pavement was dry. The **INCIDENT DIAGRAM** is on page 4.

**Pre-Incident:** According to the police report, the father of the child came home between 0445 and 0500 hours and was very tired. The driver had worked until around midnight and then socialized until the early morning hours. Instead of going to bed, the driver sat on the couch trying to stay awake because the child's mother needed a ride to work. After dressing the child who had awoken, the mother placed the child on the couch with the father. When the mother was ready, she had to awaken the father, who had fallen asleep, to drive



**Figure 1:** Overhead view of driveway in which incident occurred



**Figure 2:** Home where child occupant was found dead inside Dodge



**Figure 3:** On scene view of Dodge parked in driveway heading west-southwest

her to work. The mother placed the child in a booster seat located in the second row right seating position but did not secure the child with the vehicle’s safety belts. After the mother was dropped off at work at 0600 hours, the father returned home (approximately 0630 hours). The sister-in-law observed the driver and child sitting in the car, with the engine running, both when she left to take her own child to a relative and when she returned at 0713 hours. Presumably, the driver had fallen asleep inside the car. Some time later, the driver went into the house and fell asleep. Based on the available evidence, because of the driver/father’s tiredness and inebriation (see below), the vehicle was left running but locked with the child still in the booster seat. According to the police, the vehicle’s air conditioning was on and set to maximum cooling.



**Figure 4:** Position of Dodge in driveway viewed from garage

**Incident:** The sister-in-law of the father awoke around noon, recognized the quietness in the house, and went searching for the child since the child’s normal activity should have awakened her. The sister-in-law found the child inside the running car (**Figure 4**) and awoke the father. The father unlocked the vehicle with a spare key (**Figure 5**). The sister-in-law indicated that the child was found sitting on top of the second row center arm rest, leaning to the right with her right hand resting on top of a booster safety seat (BSS). As mentioned previously, the child was blue in color and not breathing. The police reported that upon their arrival, the child was being rushed by medical rescue personnel to a waiting ambulance.



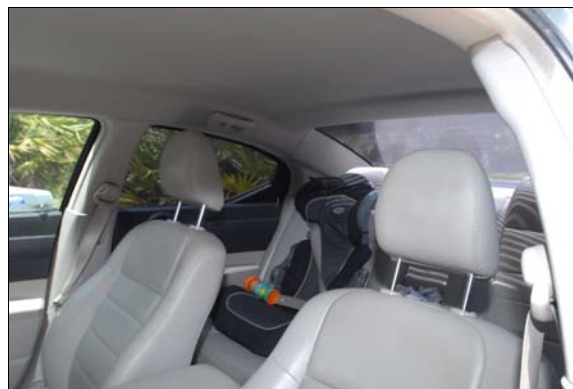
**Figure 5:** On-scene view of interior of Dodge showing tint of right side window glazings

**Post-Incident:** The father removed the child from the vehicle and carried her into the garage; emergency personnel were contacted at 1207 hours and arrived shortly thereafter. The police arrived on scene at 1213 hours. The child was transported to a medical facility. When the police interacted with the father, they noted an overwhelming smell of alcohol<sup>1</sup> emitting from the father’s breath.

A police officer reached into the vehicle and observed the positions of the air conditioning knobs and turned the ignition to the OFF position. The report notes that the interior temperature of the vehicle felt lukewarm (between warm and cool). Also noted in the report was that the fuel tank was at approximately the one-quarter full position.

<sup>1</sup> There is no indication in the police report that the blood alcohol concentration (BAC) of the driver was ever measured.

The crime scene technician arrived at approximately 1315 hours and examined the vehicle and BSS. At 1355 hours the technician placed a standard thermometer in the BSS which was located in the right second seating position of the Dodge (**Figure 6**). The vehicle was closed up and the inside temperature was measured at 1411 hours. The measured temperature: 48.9 °C (120 °F), exceeded the maximum allowable reading of the thermometer. Following the police investigation, the Dodge was sealed for evidentiary purposes.



**Figure 6:** On-scene view of child booster seat in second row right position of Dodge

Weather data for the date and pertinent times were obtained from a nearby meteorological center and are presented in the table below.

| Time | Temperature |    | Dew Point |    | Relative Humidity | Pressure<br>mmHg | Heat Index |    |
|------|-------------|----|-----------|----|-------------------|------------------|------------|----|
|      | °C          | °F | °C        | °F |                   |                  | °C         | °F |
| 0542 | 22.8        | 73 | 23.0      | 73 | 100               | 29.96            | 24         | 75 |
| 0551 | 23.9        | 75 | 23.0      | 73 | 94                | 29.97            | 25         | 77 |
| 0558 | 23.9        | 75 | 22.8      | 73 | 94                | 29.97            | 25         | 77 |
| 0602 | 23.9        | 75 | 23.0      | 73 | 94                | 29.97            | 25         | 77 |
| 0656 | 25.0        | 77 | 23.0      | 73 | 88                | 29.98            | 26         | 79 |
| 0658 | 25.0        | 77 | 23.3      | 74 | 91                | 29.98            | 26         | 79 |
| 0758 | 27.2        | 81 | 22.2      | 72 | 74                | 30.00            | 30         | 85 |
| 0858 | 28.3        | 83 | 21.7      | 71 | 67                | 30.00            | 31         | 88 |
| 0958 | 29.4        | 85 | 21.7      | 71 | 63                | 29.99            | 32         | 90 |
| 1058 | 30.6        | 87 | 21.7      | 71 | 59                | 29.99            | 34         | 93 |
| 1158 | 31.1        | 88 | 21.7      | 71 | 57                | 29.97            | 34         | 94 |
| 1258 | 31.7        | 89 | 22.2      | 72 | 57                | 29.97            | 36         | 96 |

**CASE VEHICLE**

The 2006 Dodge Charger R/T (**Figure 4**) was a rear wheel drive, 5-passenger, 4-door sedan (VIN: 2B3KA53H96H-----) equipped with a 5.7-liter, 5-speed shifttable automatic transmission, and this vehicle’s frontal air bags are certified by the manufacturer to be compliant to the

Advanced Air Bag portion of Federal Motor Vehicle Safety Standard (FMVSS) No. 208. The Dodge was equipped with height adjustable safety belts, height adjustable head restraints for the front seating positions, Lower Anchors and Tethers for Children (LATCH) system features, a tire pressure monitoring system, and power-adjustable pedals. The Dodge was towed and impounded. The vehicle was equipped with tinted windows (**Figure 5**), and all windows were closed that day. The available report made no indication that the vehicle was configured with any system to detect/alert for the presence of a child left in the vehicle.

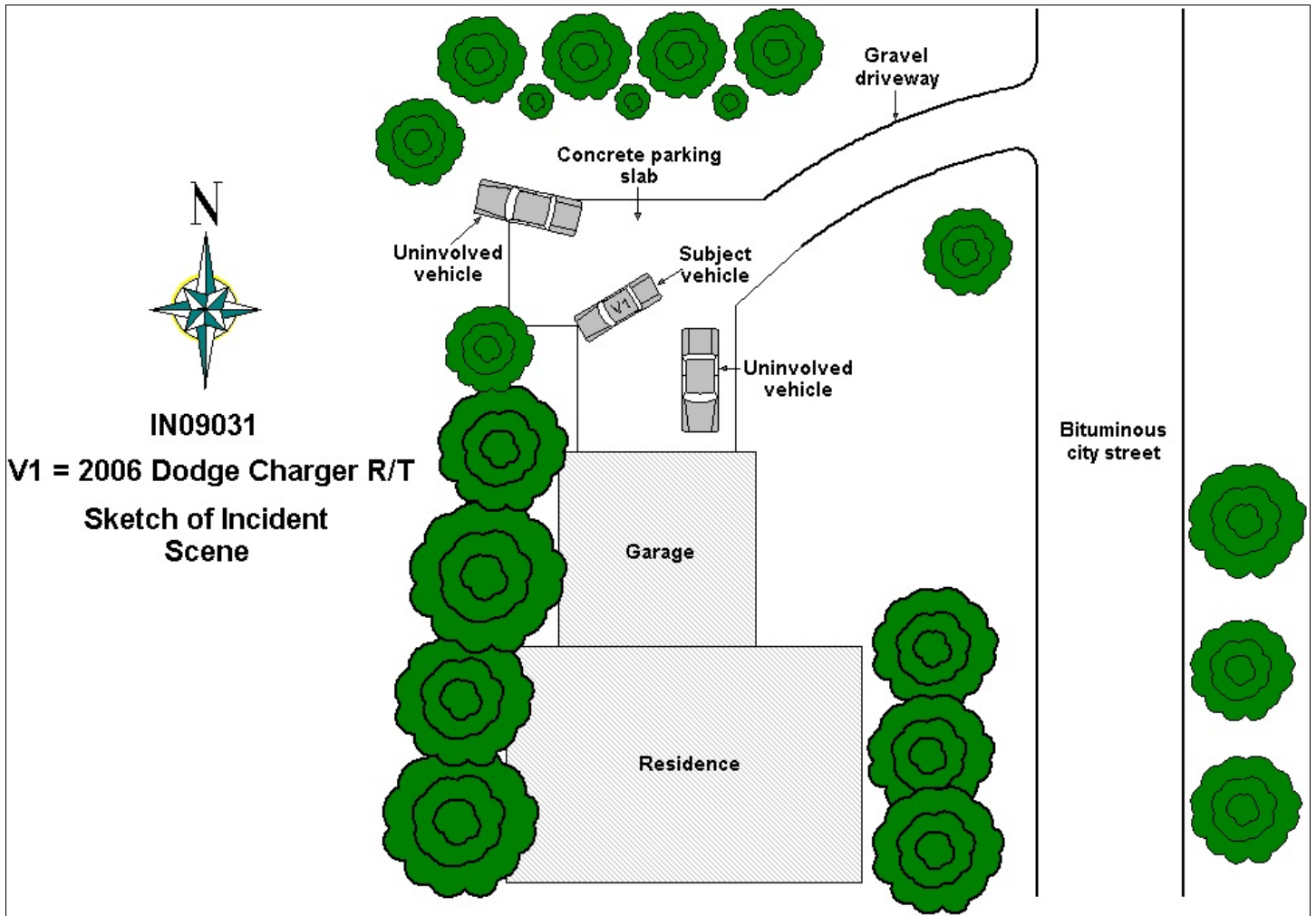
**CASE VEHICLE SECOND ROW RIGHT PASSENGER**

The second row right passenger of the Dodge (23-month-old, female) was seated in a BSS (**Figure 6**). The child was not restrained by the vehicle's lap-and-shoulder, safety belt system.

**CASE VEHICLE SECOND ROW RIGHT PASSENGER INJURIES**

The child passenger was transported by ambulance to the hospital and was pronounced dead at the hospital at 1224 hours. A post-mortem examination was conducted by the applicable county medical examiner's office, and the police were advised that there was nothing suspicious identified. The medical examiner's office stated that the child's death appeared to be a result of hyperthermia due to prolonged exposure to a heated environment.







1. Case Number  
\_\_\_\_\_

**IDENTIFICATION**

2. Date of Crash \_\_\_\_ / \_\_\_\_ / \_\_\_\_

3. Time of Crash \_\_\_\_\_  
Code reported military time of crash.

NOTE: Midnight = 2400  
Unknown = 9999

**AMBIENT CONDITIONS**

4. Light Conditions

- Daylight
- Dark
- Dark but lighted
- Dawn
- Dusk
- Unknown

5. Atmospheric Conditions  
(Select all that apply)

- Clear-No adverse conditions
- Cloudy
- Rain
- Snow
- Fog, Smog, Smoke
- Sleet, Hail (freezing rain or drizzle)
- Blowing Snow
- Severe Crosswinds
- Blowing Sand, Soil, Dirt
- Other (specify): \_\_\_\_\_
- Unknown

6. Temperature

- Below 0 degrees Celsius (Below 32 F)
- 1-10 degrees Celsius (33-50 F)
- >10-24 degrees Celsius (51-75 F)
- Over 24 degrees Celsius (Over 75 F)
- Unknown

**SCENE INFORMATION**

7. Type of area in which crash occurred  
(Select all that apply)

- Single family residential
- Row houses/townhouses
- Multi family housing
- Commercial
- Industrial
- Rural
- Unknown

8. Driver exterior sightline obstructions  
(Select all that apply)

- None
- Other vehicles
- Building
- Trees
- Shrubby
- Other (specify) \_\_\_\_\_
- Utility poles
- Signs
- Glare
- Unknown
- No driver present

9. Crash location

- Driveway
- Parking Lot
- Sidewalk
- Alley
- Intersection of driveway and sidewalk
- Road / street
- Roadside / shoulder
- Other (specify) \_\_\_\_\_
- Unknown

10. Non motorist sightline obstructions  
(Select all that apply)

- None
- Other vehicles
- Building
- Trees
- Shrubby
- Utility poles
- Signs
- Glare
- Other (specify) \_\_\_\_\_
- Unknown

11. Grade at parked position \_\_\_\_\_ +/- \_\_\_\_\_ %

12. Estimated distance from parked position to impact  
\_\_\_\_\_ . \_\_\_\_\_ m

13. Estimated speed at impact \_\_\_\_\_ +/- \_\_\_\_\_ kmph

14. Grade at impact \_\_\_\_\_ +/- \_\_\_\_\_ %

15. Estimated distance from impact to vehicle final rest  
\_\_\_\_\_ . \_\_\_\_\_ m

Unknown = 999 Reference Items 11,12, 13, 14, 15



# VEHICLE FORM

1. Case Number \_\_\_\_\_

## VEHICLE IDENTIFICATION

2. VIN \_\_\_\_\_

3. Model Year \_\_\_\_\_

4. Vehicle Make (specify): \_\_\_\_\_

5. Vehicle Model (specify): \_\_\_\_\_

## GLAZING

| Location              | Presence (check) | Status (select)                                  | Clarity (select)                    | Tint (check) | Glazing Obstructions (specify if present) |
|-----------------------|------------------|--|-------------------------------------|--------------|---|
| Windshield            |                  | Fixed / Closed / Open / Partially Open / Unknown | Clear / Hazy / Very Dirty / Unknown |              |   |
| LF                    |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| RF                    |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| 2 <sup>nd</sup> Left  |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| 2 <sup>nd</sup> Right |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| 3 <sup>rd</sup> Left  |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| 3 <sup>rd</sup> Right |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| Backlight             |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| Left Backlight        |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| Right Backlight       |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| Roof                  |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |
| Other (specify)       |                  | Fixed / Closed / Open / Partially Open           | Clear / Hazy / Very Dirty           |              |   |

## TIRE DATA

6. Vehicle Manufacturer Recommended Tire Size \_\_\_\_\_

7. LF Tire Size \_\_\_\_\_

9. RF Tire Size \_\_\_\_\_

8. LR Tire Size \_\_\_\_\_

10. RR Tire Size \_\_\_\_\_

**Seats / Head Restraint Data**

| Seat Position          | Seat Type<br>(Select from below ) | Head Restraint<br>(Check if available) | Head Restraint Adjustment<br>(select) | NOTES: |
|------------------------|-----------------------------------|--|---------------------------------------|--------|
| Front Left             |                                   |  | Full Down / Mid / Full Up             |        |
| Front Middle           |                                   |  | Full Down / Mid / Full Up             |        |
| Front Right            |                                   |  | Full Down / Mid / Full Up             |        |
| 2 <sup>nd</sup> Left   |                                   |  | Full Down / Mid / Full Up             |        |
| 2 <sup>nd</sup> Middle |                                   |  | Full Down / Mid / Full Up             |        |
| 2 <sup>nd</sup> Right  |                                   |  | Full Down / Mid / Full Up             |        |
| 3 <sup>rd</sup> Left   |                                   |  | Full Down / Mid / Full Up             |        |
| 3 <sup>rd</sup> Middle |                                   |  | Full Down / Mid / Full Up             |        |
| 3 <sup>rd</sup> Right  |                                   |  | Full Down / Mid / Full Up             |        |

**Seat Type codes:**

- |   |                                      |
|---|--------------------------------------|
| 0 = No seat or seat folded down           | 8 = Pedestal (i.e. column supported) |
| 1 = Bucket                                | 9 = Box mounted (i.e. van type)      |
| 2 = Bucket w/ folding back                | 10= Other seat type (specify)        |
| 3 = Bench                                 | 99= Unknown seat type                |
| 4 = Bench with folding back cushions      |                                      |
| 5 = Bench w/ folding back                 |                                      |
| 6 = Split bench w/ separate back cushions |                                      |
| 7 = Split bench w/ separate folding back  |                                      |

**VEHICLE MEASUREMENTS**

| Clearance Heights             | Measurements<br>(all from ground, and<br>in centimeters) | NOTES |
|-------------------------------|--|-------|
| Beltline                      |  |       |
| Top of trunk/tailgate         |  |       |
| Bottom of bumper              |  |       |
| Trailer hitch (if applicable) |  |       |
| Undercarriage                 |  |       |
| Sway bar                      |  |       |
| Axle                          |  |       |
| Differential                  |  |       |
| Other (specify):              |  |       |
| Sensor Height (if equipped)   |  |       |
| Camera Height (if equipped)   |  |       |



1. Case Number

\_\_\_\_\_

### PARKING AID PRESENCE

2. Type of backing/parking aid present

- OEM camera
- OEM ultrasonic/radar sensor
- OEM combination camera-ultrasonic/radar sensor
- OEM Fresnel lens
- OEM interior mirrors
- Aftermarket camera
- Aftermarket ultrasonic/radar sensor
- Aftermarket combination camera-ultrasonic radar sensor
- Aftermarket Fresnel lens
- Aftermarket interior mirrors
- Other (specify): \_\_\_\_\_

### CAMERA INFORMATION

*Specify field of view measurements on diagram*

3. System make/model

\_\_\_\_\_

4. Video monitor type

- None present
- LCD (color)
- CRT (black & white)
- Unknown

5. Video display size \_\_\_\_\_ cm  
(Diagonal)

6. Camera location

- None present
- Bumper
- License plate
- Tailgate/Hatch/Trunk
- Other (specify): \_\_\_\_\_

7. Video image quality under scene lighting conditions

- None present
- Good
- Average
- Poor (specify): \_\_\_\_\_
- Unknown

8. Was the camera functioning properly

- None present
- Yes
- No, poor image quality due to glare
- No, poor image quality due to atmospheric conditions
- No, camera turned off
- No, camera inoperable
- Unknown

### ULTRASONIC/RADAR SENSOR

*Specify object detection range on diagram*

9. System make/model

\_\_\_\_\_

10. Auditory warning illumination

- No sensor present
- Yes
- No
- Unknown

11. Number of sensors \_\_\_\_\_

12. Sensor locations  
(Select all that apply)

- No sensor present
- Left bumper
- Center bumper
- Right bumper
- License plate area
- Tailgate/Hatch/Trunk

13. Was warning system functioning properly

- No sensor present
- Yes, system alerted driver
- No, system did not alert driver
- No, system turned off
- No, system inoperable
- Unknown

14. Did driver react to warning

- No sensor present
- Yes
- No
- Unknown

15. Did driver report common false warnings

- No sensor present
- Yes
- No
- Unknown



# DRIVER FORM

1. Case Number  
\_\_\_\_\_

## DRIVER PROFILE

2. Driver's Age \_\_\_\_\_  
99 = Unknown

3. Driver's Sex  Male  
 Female  
 Unknown

4. Driver's Height \_\_\_\_\_ cm  
999 = Unknown

5. Driver's Weight \_\_\_\_\_ kg  
999 = Unknown

6. Driver eyewear worn  
(Select all that apply)  
 None  
 Eyeglasses  
 Sunglasses  
 Contacts  
 Unknown

7. Driver vision deficiency condition  
(Select all that apply)  
 None  
 Near sighted  
 Far sighted  
 Astigmatism  
 Other (specify): \_\_\_\_\_  
 Unknown

8. Non motorist's relationship to driver  
 No relationship  
 Child  
 Grandchild  
 Sibling  
 Neighbor  
 Friend  
 Other (specify): \_\_\_\_\_  
 Unknown

## DRIVER ACTIONS

9. Driver approach to vehicle for entry  
From left front  
 From left  
 From left rear  
 From right rear  
 From right front  
 Circled vehicle  
 Return trip (backing into driveway/lot)  
 Other (specify): \_\_\_\_\_  
 N/A  
 Unknown

10. Driver entry interruption  
(Select all that apply)  
 Direct trip from building to vehicle  
 Loaded items into vehicle  
 Spoke with family  
 Spoke with neighbors  
 Spoke with contacted nonmotorist  
 Return trip (backing into driveway/lot)  
 Other (specify): \_\_\_\_\_  
 N/A  
Unknown

11. Purpose of backing  
 Leaving parking space in parking lot  
 Backing onto roadway from driveway  
 Entering parking space in parking lot  
 Backing into driveway from roadway  
 Other (specify): \_\_\_\_\_  
 N/A  
Unknown

12. Where was driver going  
Description:  
\_\_\_\_\_  
\_\_\_\_\_

13. Driver in a hurry  
 Yes N/A  
 No Unknown  
 Unknown

14. How did driver check behind (rear area of vehicle)  
after vehicle entry  
(Select all that apply)  
 Did not look  
 Checked mirrors  
 Turned right and looked back  
 Turned left and looked back  
 Viewed Camera  
 Listened for auditory/visual warning from system  
 Other (specify): \_\_\_\_\_  
N/A Unknown

15. Estimated time between vehicle entry and start  
of backing  
 0-10 Seconds  Over 60 Seconds  
 11-30 Seconds  N/A  
 31-60 Seconds  Unknown

16. What direction was the driver looking during backing maneuver  
(Select all that apply)
- Straight ahead
  - Right
  - Left
  - Rearward
  - At object inside the car
  - At mirrors
  - Other (specify): \_\_\_\_\_
  - N/A
  - Unknown
17. Was the driver distracted during back up maneuver  
(Select all that apply)
- No non-driving activities
  - External**
  - Looking at other vehicles
  - Looking at other non motorist
  - Looking at intended turn destination
  - External focus, not specified
  - Other external focus (specify): \_\_\_\_\_
  - Internal**
  - Looking at other occupant
  - Talking to passenger
  - Dialing phone
  - Talking on phone
  - Listening to radio/cd/portable playback device
  - Adjusting radio/cd player
  - Adjusting climate controls
  - Using a device/controls integral to vehicle (specify): \_\_\_\_\_
  - Reading/adjusting navigation system
  - Eating or drinking
  - Smoking related
  - Retrieving fallen object (specify): \_\_\_\_\_
  - Internal focus, not specified
  - Focused on other internal object (specify): \_\_\_\_\_
  - N/A
  - Unknown
18. Driver avoidance actions prior to impact  
(Select all that apply)
- None
  - Braking
  - Steering left
  - Steering right
  - Accelerating
  - Other (specify): \_\_\_\_\_
  - N/A
  - Unknown
19. Did driver see struck non motorist prior to impact  
(Select all that apply)
- No, never saw non motorist
  - Saw non motorist prior to entering vehicle
  - Saw non motorist after entering vehicle
  - Other (specify): \_\_\_\_\_
  - N/A
  - Unknown
20. Est time between start of backing and impact
- <2 or = 1 second
  - 2-5 seconds
  - 6-10 seconds
  - > 10 seconds
  - N/A
  - Unknown
21. Driver interior sightline obstructions  
(Select all that apply)
- Pillar
  - Headrest
  - Cargo
  - Other occupant
  - Other (specify) \_\_\_\_\_
  - Unknown
  - None
22. Recent experience driving this vehicle
- More than 10 times the last three months
  - 6-10 times the last three months
  - 2-5 times the last three months
  - Less than 2 times the last three months
  - First time driving this vehicle
  - N/A
  - Unknown
23. Frequency of driving in this parking lot/driveway
- Daily
  - Weekly
  - Several times a month
  - Monthly
  - Rarely
  - First time in lot/driveway
  - N/A
  - Unknown
24. Driver Impairment  
(Select all that apply)
- No drugs or alcohol present
  - Alcohol present (specify BAC): \_\_\_\_\_
  - Drugs present (specify): \_\_\_\_\_
  - Unknown
25. Source of alcohol/drug results
- Police reported
  - Medical record
  - Other (specify) \_\_\_\_\_
  - Not Tested
  - Unknown if tested





# Non Motorist Form

1. Case Number  
\_\_\_\_\_

## NON-MOTORIST PROFILE

2. Non-motorist's Age \_\_\_\_\_ Months  
\_\_\_\_\_ Years  
99 = Unknown

3. Non-motorist's Sex  
 Male  
 Female  
 Unknown

4. Non-motorist's Height \_\_\_\_\_ cm  
999 = Unknown

5. Non-motorist's Weight \_\_\_\_\_ kg  
999 = Unknown

6. Medical outcome  
 Not injured  
 ER only  
 Hospitalized 1-4 days  
 Hospitalized 5 days or more  
 Treatment later  
 Fatal  
 Unknown

7. Source of most severe injury  
 Bumper  
 Tire  
 Undercarriage  
 Other Specify: \_\_\_\_\_  
 Ground  
 N/A  
 Unknown

8. Non-motorist impairment  
*(Select all that apply)*  
 No drugs or alcohol present  
 Positive for alcohol (specify BAC): \_\_\_\_\_  
 Positive for drugs (specify): \_\_\_\_\_  
 Unknown

9. Source of alcohol/drug results  
 Police reported  
 Medical Report  
 Other (specify) \_\_\_\_\_  
 Not Tested  
 Unknown if tested

## NON-MOTORIST ACTIONS

10. Non-motorist attitude  
 Standing  
 Bending at waist  
 Sitting  
 Crouching  
 Kneeling  
 On skates/skateboard  
 On bike/scooter  
 Other (specify) \_\_\_\_\_  
 Unknown

11. Non-motorist motion  
 Not moving  
 Walking slowly  
 Walking rapidly  
 Running or jogging  
 Skipping/Hopping/Jumping  
 Falling/Stumbling/Rising  
 On skates/skateboard  
 On bike/scooter  
 Other (specify): \_\_\_\_\_  
 Unknown

12. Non-motorist approach relative to rear of vehicle  
 Stationary  
 From left  
 From right  
 From behind  
 Other (specify): \_\_\_\_\_  
 Unknown

13. Non-motorist first avoidance action  
 No avoidance actions  
 Stopped  
 Accelerated pace  
 Ran away (along vehicle path)  
 Jumped  
 Turned away from vehicle  
 Turned toward vehicle and braced  
 Dove or fell away from vehicle  
 Other (specify): \_\_\_\_\_  
 Unknown

14. Non-motorist primary focus of attention  
 Striking vehicle  
 Play object  
 Person  
 Surrounding traffic  
 Animal  
 Handheld electronic (phone, MP3 player, etc.)  
 Other Object (specify) \_\_\_\_\_  
 Unknown

15. Were any other Non-motorists present?  
*(Select all that apply)*  
 Alone  
 One adult present  
 One other child present  
 Multiple adults present  
 Multiple children present  
 Unknown

**NON MOTORIST CLOTHING**

**NOTES:**

- Specify Color, Fabric and Texture/Weight for outermost layer only
- Indicate "NONE" if applicable
- Available codes:

|                |                      |  |                       |  |                        |  |                       |
|----------------|----------------------|--|-----------------------|--|------------------------|--|-----------------------|
|                | <u><b>Colors</b></u> |  | <u><b>Fabrics</b></u> |  | <u><b>Textures</b></u> |  | <u><b>Weights</b></u> |
| Black          | Charcoal gray        |  | Natural               |  | Soft                   |  | Heavy                 |
| Lt gray/silver | Brown                |  | Synthetic             |  | Slick                  |  | Medium                |
| Gold/tan       | Purple               |  | Blend                 |  | Coarse                 |  | Light                 |
| Dark blue      | Light blue           |  |                       |  |                        |  |                       |
| Dark green     | Light green          |  |                       |  |                        |  |                       |
| Maroon         | Red                  |  |                       |  |                        |  |                       |
| Orange         | Yellow               |  |                       |  |                        |  |                       |
| White          | Other (specify)      |  |                       |  |                        |  |                       |

|   | <b>Clothing</b>           | <b>Color</b> | <b>Fabric</b> | <b>Texture</b> | <b>Weight</b> |
|---|---------------------------|--------------|---------------|----------------|---------------|
| <b>H<br/>E<br/>A<br/>D<br/>W<br/>E<br/>A<br/>R</b>            | Hat                       |              |               |                |               |
|   | Helmet                    |              |               |                |               |
|   | Hood                      |              |               |                |               |
|   | Other (specify):<br>_____ |              |               |                |               |
|   |                           |              |               |                |               |
| <b>U<br/>P<br/>P<br/>E<br/>R<br/><br/>B<br/>O<br/>D<br/>Y</b> | Short Sleeve              |              |               |                |               |
|   | Long Sleeve               |              |               |                |               |
|   | Light Jacket              |              |               |                |               |
|   | Heavy Jacket              |              |               |                |               |
|   | Other (Specify):<br>_____ |              |               |                |               |
|   |                           |              |               |                |               |
| <b>L<br/>O<br/>W<br/>E<br/>R<br/><br/>B<br/>O<br/>D<br/>Y</b> | Shorts                    |              |               |                |               |
|   | Pants                     |              |               |                |               |
|   | Shoes                     |              |               |                |               |
|   | Other (specify):<br>_____ |              |               |                |               |
|   |                           |              |               |                |               |