

Remote Not-In-Traffic Surveillance Hyperthermia Investigation
Dynamic Science, Inc. (DSI), Case Number DS09025
1998 Honda Civic
Colorado
August 2008

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The crash 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-crash, crash, and post-crash movements of involved vehicles and occupants.

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

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| 16. Abstract <p>This remote investigation focused on the circumstances surrounding the deaths of a 3-year-old male and a 5-year-old female who were left unattended in a 1998 Honda Civic. The 28-year-old owner of the Honda was the mother of the two children. She had returned from work at approximately 0530 hours and parked the Honda in front of her residence. The children were inside the residence with the owner's parents. The owner went to bed, taking the 3-year-old with her. Between 0600 and 0630 hours, the owner's parents went to work. The owner woke up at approximately 0900 hours and turned on the television for the children. She reported that at approximately 1130 hours she went back to bed with one of the children and that the other child refused to take a nap. A witness, however, reported that he saw the children playing outside at approximately 1015 hours. He also reported that he saw the children a second time between 1100 and 1130 hours playing inside the Honda. The owner woke up some time after 1500 hours, could not find the children, and noticed the back door of the home was standing open. At approximately 1514, she called 911 and reported that the children were missing. Sheriffs responded at approximately 1525 hours and at 1530 hours one of the responding sheriffs discovered the children in the Honda. The 3-year-old male was found lying unconscious on the second row floor and the 5-year-old female was found lying unconscious on the front row floor. The children were pronounced deceased at the scene.</p> | | | |
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Dynamic Science, Inc.
Crash Investigation
Case Number: DS09025

TABLE OF CONTENTS

| | |
|---|---|
| Background | 1 |
| Summary | 2 |
| Incident Site | 2 |
| Vehicle Data | 2 |
| Incident | 3 |
| Hyperthermia Discussion | 4 |
| Occupant Demographics | 4 |
| Occupant Injuries | 4 |
| Attachment 1. Scene Diagram | 5 |
| Attachment 2. Satellite View of Incident Site | 6 |
| Attachment 3. Field Forms | 7 |

BACKGROUND

This remote investigation focused on the circumstances surrounding the deaths of a 3-year-old male and a 5-year-old female who were left unattended in a 1998 Honda Civic (**Figure 1**). The 28-year-old owner of the Honda was the mother of the two children. She had returned from work at approximately 0530 hours and parked the Honda in front of her residence. The children were inside the residence with the owner's parents. The owner went to bed, taking the 3-year-old with her. Between 0600 and 0630 hours, the owner's parents went to work. The owner woke up at approximately 0900 hours and turned on the television for the children. She reported that at approximately 1130 hours she went back to bed with one of the children and that the other child refused to take a nap. A witness, however, reported that he saw the children playing outside at approximately 1015 hours. He also reported that he saw the children a second time between 1100 and 1130 hours playing inside the Honda.



Figure 1. Subject vehicle, 1998 Honda Civic (police photo)

The owner woke up some time after 1500 hours, could not find the children, and noticed the back door of the home was standing open. At approximately 1514, she called 911 and reported that the children were missing. Sheriffs responded at approximately 1525 hours and at 1530 hours one of the responding sheriffs discovered the children in the Honda. The 3-year-old male was found lying unconscious on the second row floor and the 5-year-old female was found lying unconscious on the front row floor. The children were pronounced deceased at the scene due to hyperthermia.

This Remote Not-In-Traffic Surveillance (NITS) Hyperthermia investigation was initiated by a Special Crash Investigations (SCI) investigator from a review of an internet news article. DSI obtained the article during the week of October 26, 2008. The article stated that two children were found deceased in a vehicle by county sheriffs. DSI contacted the District Attorney's office the week of November 9th 2008 and requested information relating to the incident. DSI was advised that no information could be released at that time due to pending litigation. DSI received a copy of one related report on June 16, 2009. The report was in the form of an Affidavit For Arrest Warrant for the mother of the two deceased children. The case was assigned on June 23, 2009. On-site photos were obtained on February 8, 2010 after the case was adjudicated. This incident was reported to the state as a criminal matter; the State of Colorado is the complainant and the charges are Child Abuse Resulting In Death.

The following information was obtained from the Affidavit For Arrest Warrant, police photos, and several news articles.

SUMMARY

Incident Site

The incident occurred on a residential street in front of a private residence (**Figure 2**). The residence was a single story house on the north side of the street. The back yard was not fenced. The street was approximately 7.6 m (25 ft) south of the residence and the Honda was parked in front of the residence facing west. The left side doors were locked and the right side doors were unlocked. The child safety lock on the second row right door was not engaged and child safety lock on the second row left door was engaged. Two child seats were in the rear of the vehicle.



Figure 2. Incident site (police photo). Subject vehicle 1998 Honda Civic.

According to the nearest weather reporting station, the ambient temperature ranged from 25 degrees C (78 degrees F) at 1053 hours to 29 degrees C (85 degrees F) at 1553 hours. The weather conditions were light winds and partly cloudy skies.

Vehicle Data

The 1998 Honda Civic 4-door sedan was identified by the Vehicle Identification Number (VIN): 1HGEJ657XWLxxxxxx. The Honda was equipped with a 4-cylinder, 1.6-liter engine and front wheel drive. The vehicle's exterior was red in color and the vehicle not configured with a sun roof. It does not appear that any of the glazing was tinted.

While the Honda was in police custody, the police conducted a series of temperature tests on the vehicle. Three digital thermometers were placed in the vehicle.

- Thermometer A was placed on the rear passenger window.
- Thermometer B was placed on the front row floor in the shade so that it was not in direct sunlight.
- Thermometer C was placed outside the passenger side door.

A sampling of the temperatures and times is shown below:

| Time (hrs) | Thermometer A | Thermometer B | Thermometer C |
|------------|------------------|------------------|-----------------|
| 1105 | 42.2 C (108.1 F) | 35.0 C (95.1 F) | 30.0 C (86.1 F) |
| 1110 | 44.7 C (112.6 F) | 36.0 C (96.9 F) | 34.6 C (94.3 F) |
| 1124 | 49.7 C (121.5 F) | 38.2 C (100.7 F) | 27.8 C (82.2 F) |
| 1145 | 51.7 C (125.1 F) | 40.5 C (104.9 F) | 27.8 C (82.2 F) |

| Time (hrs) | Thermometer A | Thermometer B | Thermometer C |
|------------|------------------|------------------|--|
| 1215 | 55.9 C (131.0 F) | 43.5 C (110.4 F) | 29.6 C (85.4 F) (Thermometer was in partial sun.) |
| 1300 | 60.8 C (141.6 F) | 47.1 C (116.9 F) | 32.2 C (90.3 F) |
| 1515 | 63.3 C (146.1 F) | 50.5 C (122.9 F) | 34.0 C (93.2 F) |

Incident

This incident occurred between 1100 and 1530 hours. The 28-year-old female owner of the Honda had returned from work at approximately 0530 hours and parked the vehicle in front of her residence. The left side doors of the Honda were locked and the right side doors were unlocked. The childproof door locks were engaged on the second row left door but not engaged on the second row right door. According to Honda literature, the childproof door locks are designed to prevent children from accidentally opening the rear doors (**Figure 3**). Each rear door has a lock lever near the edge. With the lever in LOCK position, the door cannot be opened from the inside regardless of the position of the lock tab. Two child seats were in the rear of the vehicle.

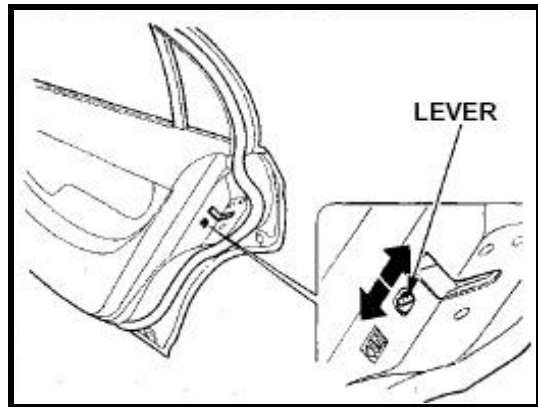


Figure 3. Childproof Door Lock (1998 Honda Civic Owner's Manual)

The children were in the residence with the owner's parents. The owner went to bed, taking the 3-year-old with her. Between 0600 and 0630 hours, the owner's parents went to work. The owner woke up at approximately 0900 hours and turned on the television for the children. She reported to the police that she took 800 mg of ibuprofen at around 0900 hours. At some point later in the morning, the owner went back to bed. According to a witness who was cleaning a house across the street from the incident site, the two children were outside chasing each other around the yard at approximately 1015 hours. The witness had gone outside to smoke a cigarette. He reported that he went back outside again between 1100 and 1130 hours to dump out the water he was using to clean the house. He dumped the water into the street. At that time, he noticed that the children were in the Honda and were playing. He indicated that they may have honked the horn at that time and did not give the incident much thought. He believed the children were just playing. He finished cleaning up and drove to his next job. The owner of the Honda woke up around 1500 hours, could not find the children, and noticed the back door of the home was standing open. At approximately 1514, she called 911 and reported that the children were missing. Sheriffs responded at approximately 1525 hours and at 1530 hours one of the responding sheriffs discovered the children in the Honda. The 3-year-old male was found lying on the second row floor and the 5-year-old female was found lying on her left side on the front row floor. The investigating officer opened the door long enough to determine that both children were deceased. A coroner's investigator inserted a temperature probe into the vehicle and measured an interior temperature of 42 degrees C (108 degrees F).

The 5-year-old was pronounced deceased at the scene at 1645 hours; the 3-year-old was pronounced at 1644 hours.

Hyperthermia Discussion

Hyperthermia is defined as an increase in body temperature. A child's thermoregulatory system is not as efficient as an adult's and child's body warms at a rate 3 to 5 times than of an adult's¹. Heatstroke occurs when a person's temperature exceeds 40 degrees C (104 degrees F) and the thermoregulatory system is overwhelmed. Heatstroke symptoms include: dizziness, disorientation, agitation, confusion, sluggishness, seizure, hot dry skin that is flushed not sweating, loss of consciousness, rapid heart beat, and hallucinations.

OCCUPANT DEMOGRAPHICS

The 5-year-old female was the driver's child. She was wearing a pink shirt and pink underwear. She weighed 20 kg (45 lbs) and was 114 cm (45 in) tall. She was located on the floor in front of the front row right seat.

The 3-year-old male was also the driver's child. He was wearing a blue T-shirt and a disposable diaper. He weighed 12 kg (26 lbs) and was 91 cm (36 in) tall. He was located on the second row floor.

OCCUPANT INJURIES

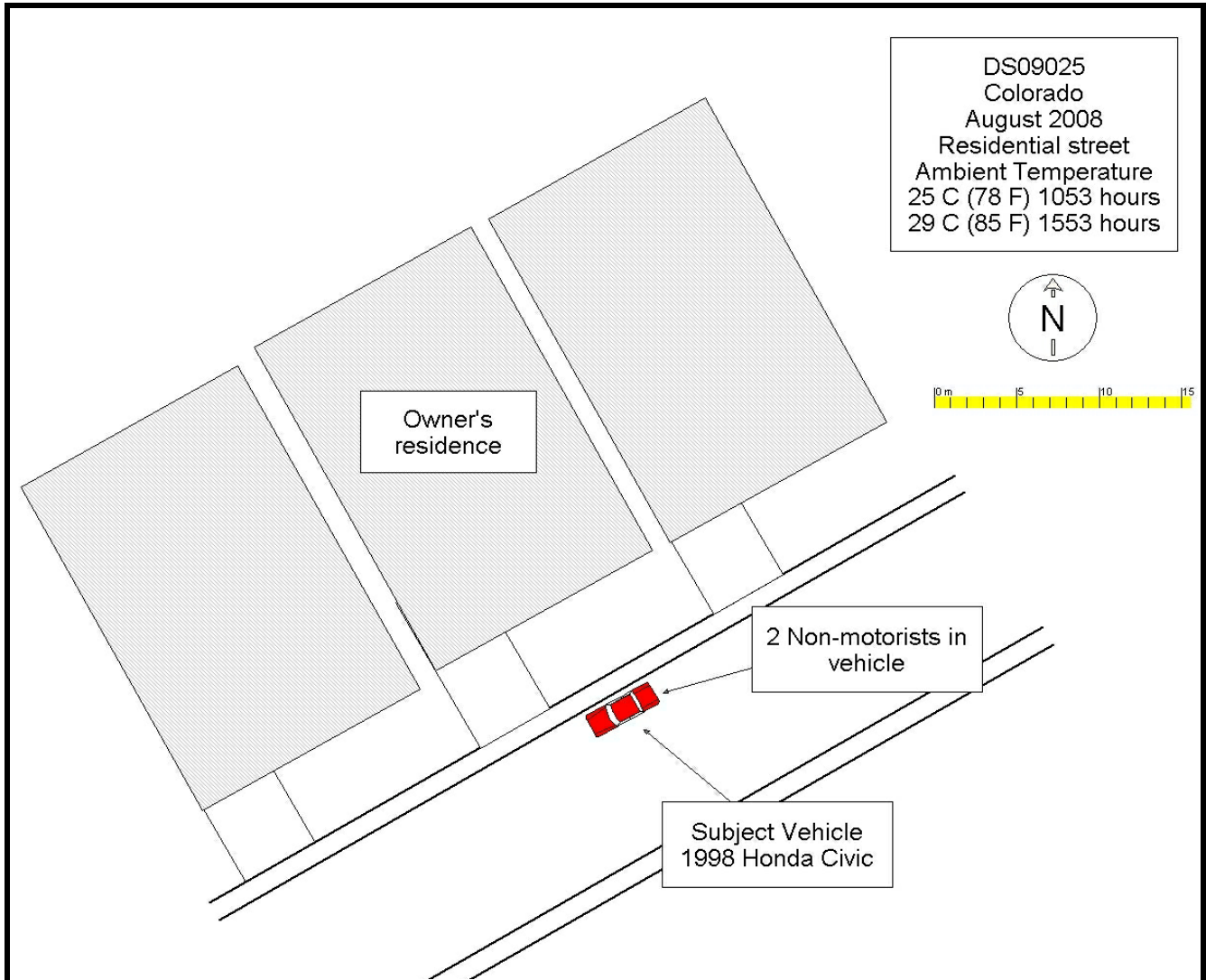
Autopsies were performed on both children and the final anatomic diagnoses included the following results:

1. Intrathoracic peechiae involving the thymus and epicardial surface of the heart.
2. Pulmonary vascular congestion and early edema.
3. Visceral congestion.

The cause of death for both children was complications of hyperthermia. The toxicology reports for both children were negative.

¹Jan Null, Hyperthermia Deaths of Children in Vehicles, ggweather.com/heat

Attachment 1. Scene Diagram



Attachment 2. Satellite View of Incident Site



Attachment 3. Field Forms



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 nd Left | | Fixed / Closed / Open / Partially Open | Clear / Hazy / Very Dirty | | |
| 2 nd Right | | Fixed / Closed / Open / Partially Open | Clear / Hazy / Very Dirty | | |
| 3 rd Left | | Fixed / Closed / Open / Partially Open | Clear / Hazy / Very Dirty | | |
| 3 rd 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 (Select from below) | Head Restraint (Check if available) | Head Restraint Adjustment (select) | NOTES: |
|------------------------|-----------------------------------|--|---------------------------------------|--------|
| Front Left | | | Full Down / Mid / Full Up | |
| Front Middle | | | Full Down / Mid / Full Up | |
| Front Right | | | Full Down / Mid / Full Up | |
| 2 nd Left | | | Full Down / Mid / Full Up | |
| 2 nd Middle | | | Full Down / Mid / Full Up | |
| 2 nd Right | | | Full Down / Mid / Full Up | |
| 3 rd Left | | | Full Down / Mid / Full Up | |
| 3 rd Middle | | | Full Down / Mid / Full Up | |
| 3 rd 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 (all from ground, and 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>Colors</u> | | <u>Fabrics</u> | | <u>Textures</u> | | <u>Weights</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) | | | | | | |

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

NON MOTORIST CLOTHING

NOTES:

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

| | | | | | | | |
|--|----------------------|-----------------|-----------------------|--|------------------------|--|-----------------------|
| | <u>Colors</u> | | <u>Fabrics</u> | | <u>Textures</u> | | <u>Weights</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) | | | | | |
| | Pink | | | | | | |

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