

**CRASH DATA RESEARCH CENTER**

Calspan Corporation

Buffalo, NY 14225

**NOT-IN-TRAFFIC SURVEILLANCE  
CALSPAN REMOTE FALLING VEHICLE INCIDENT INVESTIGATION**

**SCI CASE NO.: CA09009**

**VEHICLE: 1992 FORD TAURUS**

**LOCATION: FLORIDA**

**INCIDENT DATE: NOVEMBER 2008**

Contract No. DTNH22-07-C-00043

Prepared for:

U.S. Department of Transportation  
National Highway Traffic Safety Administration  
Washington, D.C. 20590

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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 are 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.

## TECHNICAL REPORT STANDARD TITLE PAGE

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<i>15. Supplementary Note</i> A remote investigation of a falling vehicle incident that caused the death of a 51-year-old male non-motorist.			
<i>16. Abstract</i> <p>This remote investigation focused on the cause of death, the type of jacking system, the surface conditions, and the precautions, if any, that were initiated prior to the fall of a vehicle onto a 51-year old male non-motorist. The non-motorist was working on his 1992 Ford Taurus in his backyard and jacked the vehicle on a grass surface. The non-motorist initially jacked the front of the vehicle with a hydraulic floor jack and positioned ratchet-type jack stands under the front lower control arms. He lowered the Ford onto the jack stands and removed the floor jack. At some point during this process, the non-motorist removed the right front tire from the vehicle. He crawled under the vehicle and the Ford apparently rolled rearward causing the vehicle to fall off the jack stands. The non-motorist was discovered by a neighbor several hours after the incident. This person called the emergency response system and requested police and fire assistance. The victim was pronounced deceased at the scene.</p>			
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**TABLE OF CONTENTS**

BACKGROUND ..... 1

SUMMARY ..... 1

    Incident Site ..... 1

    Non-Motorist..... 2

    Vehicle Data..... 2

    Jack System..... 2

    Incident ..... 2

    Post-Incident ..... 3

Incident Schematic.....4

Attachment A: NITS Forms.....5

**NOT-IN-TRAFFIC SURVEILLANCE**  
**CALSPAN REMOTE FALLING VEHICLE INCIDENT INVESTIGATION**  
**SCI CASE NO.: CA09009**  
**VEHICLE: 1992 FORD TAURUS**  
**LOCATION: FLORIDA**  
**INCIDENT DATE: NOVEMBER 2008**

***BACKGROUND***

This remote investigation focused on the cause of death, the type of jacking system, the surface conditions, and the precautions, if any, that were initiated prior to the fall of a vehicle onto a 51-year old male non-motorist. The non-motorist was working on his 1992 Ford Taurus in his backyard and jacked the vehicle on a grass surface. The non-motorist initially jacked the front of the vehicle with a hydraulic floor jack and positioned ratchet-type jack stands under the front lower control arms. He lowered the Ford onto the jack stands and removed the floor jack. At some point during this process, the non-motorist removed the right front tire from the vehicle. He crawled under the vehicle and the Ford apparently rolled rearward causing the vehicle to fall off the jack stands. The non-motorist was discovered by a neighbor several hours after the incident. This person called the emergency response system and requested police and fire assistance. The victim was pronounced deceased at the scene.

This falling vehicle incident was identified by NHTSA's Crash Investigation Division through an Internet news search and forwarded to the Calspan Special Crash Investigations (SCI) team on February 23, 2009 for remote follow-up. The SCI team established cooperation with the investigating police officer. A detailed interview regarding the sequence of events was conducted with the officer. The Incident Report was obtained from the police agency and a written request to obtain copies of the images of the vehicle, jack and jack stands, was submitted. The police department refused to release the images to the SCI team. A single image of the Taurus positioned at the incident site was obtained from an Internet-based news source.

***SUMMARY***

***Incident Site***

The incident occurred in the backyard of the non-motorist during daylight hours in November 2008. On the morning of this incident, the temperature was 27 degrees C (80 degrees F) with cloudy skies, according to local weather reports. The wind was easterly with average speeds of 21 km/h (13 mph). The back yard was surfaced with grass with a 6x6 m (20'x20') concrete slab that was bordered by the lawn. The investigating officer stated the lawn area of the back yard was level. He further stated the lawn area was soft due to the sandy composition of the soil. All of the surfaces were dry at the time of the incident. The Ford was positioned on the lawn with the front of the vehicle facing the concrete slab.

### *Non-Motorist*

The non-motorist of this falling vehicle incident was a 51-year old male. He lived alone at his residence and was last seen by a neighbor/friend approximately three days prior to this incident. The investigating officer stated that the non-motorist was of average build with a history of diabetes based on prescription medications found in his residence. Prior to working on the Ford, the non-motorist reportedly removed a frozen food item from his freezer and placed in the kitchen sink to thaw. At an unknown time in the morning, the non-motorist proceeded to his back yard to work on the Ford.

### *Vehicle Data*

The involved vehicle was a 1992 Ford Taurus GL, four-door sedan. The Ford was identified by vehicle Identification Number 1FALP52U6NA (production number deleted). The Ford was equipped with a 3.0 liter, V-6 engine linked to an automatic transmission. The Ford was a front-wheel drive configuration with front disc and rear drum brakes. The parking brake was cable activated to the rear brakes and was engaged by a foot pedal located to the left side of the toe pan area. The vehicle manufacturer recommended tire size was 205/70R14. The specific tires and related data for the Ford at the time of the incident are not known.

### *Jack System*

The investigating officer stated the non-motorist used a hydraulic floor jack to raise the front of the vehicle on the grass surface. Jack stand manufacturers typically recommend that the jack stands are to be used only on hard, level surfaces capable of sustaining rated capacity loads. The non-motorist jacked the vehicle to an unknown height and placed two jack stands under the front lower control arms. These jack stands were placed directly on the grass surface. The jack stands utilized a ratchet-type locking system for height adjustment. The officer further noted that the non-motorist failed to set the vehicle's parking brake or chock the rear tires to prevent the vehicle from rolling. **Figure 1** is a view of an exemplar style floor jack and jack stands that were used in this incident.



**Figure 1. Exemplar style floor jack and jack stands.**

### *Incident*

The 51-year old male non-motorist used the hydraulic floor jack to raise the front of the vehicle. He positioned the jack stands under the front control arms and released the hydraulic pressure on the jack. The non-motorist removed the floor jack from under the vehicle. The jack was found by the officer approximately 3 m (10') forward of the Taurus. At some point in time, the non-motorist removed the front right tire and wheel from the vehicle. With the jack stands positioned

on the grass surface under the Ford, the non-motorist crawled head-first under the front of the vehicle. His lower extremities extended forward of the front bumper. **Figure 2** is a view of the Ford at rest on the grass surface with the front right tire removed. The Incident Schematic is attached to this report as **Figure 3**.

As the non-motorist was under the Ford in a face-up position, the vehicle rolled rearward and the jack stands fell rearward with respect to the vehicle. The front of the Ford subsequently fell onto the non-motorist with the engine cradle area resting on his chest. At rest, the non-motorist was lying between the jack stands with the stands positioned on their sides parallel to the Ford.

### ***Post-Incident***

The neighbor/friend of the non-motorist became concerned as he had not seen him in several days. He walked over to the non-motorist's residence and discovered him under the fallen vehicle. This neighbor called the emergency response system and reported the incident.



**Figure 2. Location and post-incident condition of the 1992 Ford Taurus. (Imaged obtained from an Internet-based news site.)**

The investigating officer, Emergency Medical Service (EMS), fire department personnel arrived on scene. They immediately checked the condition of the non-motorist and determined that he was deceased. The fire department personnel raised the vehicle and removed the victim's body. The medical examiner determined that the cause of death was asphyxiation.

The investigating officer conducted his on-scene investigation and made the following observations:

1. The Ford was not running and the automatic transmission was placed in the PARK position.
2. The non-motorist raised the front the front-wheel-drive sedan and failed to chock the rear wheels or set the parking brake.
3. The Ford was parked completely on the grass with the front of the vehicle facing the concrete slab.
4. The jack stands appeared to be in proper working condition with no damage noted to the stands.
5. Although the time of the incident was not known, the frozen food item that was placed in the sink was partially thawed indicating that it was removed from the freezer on the morning of the incident.

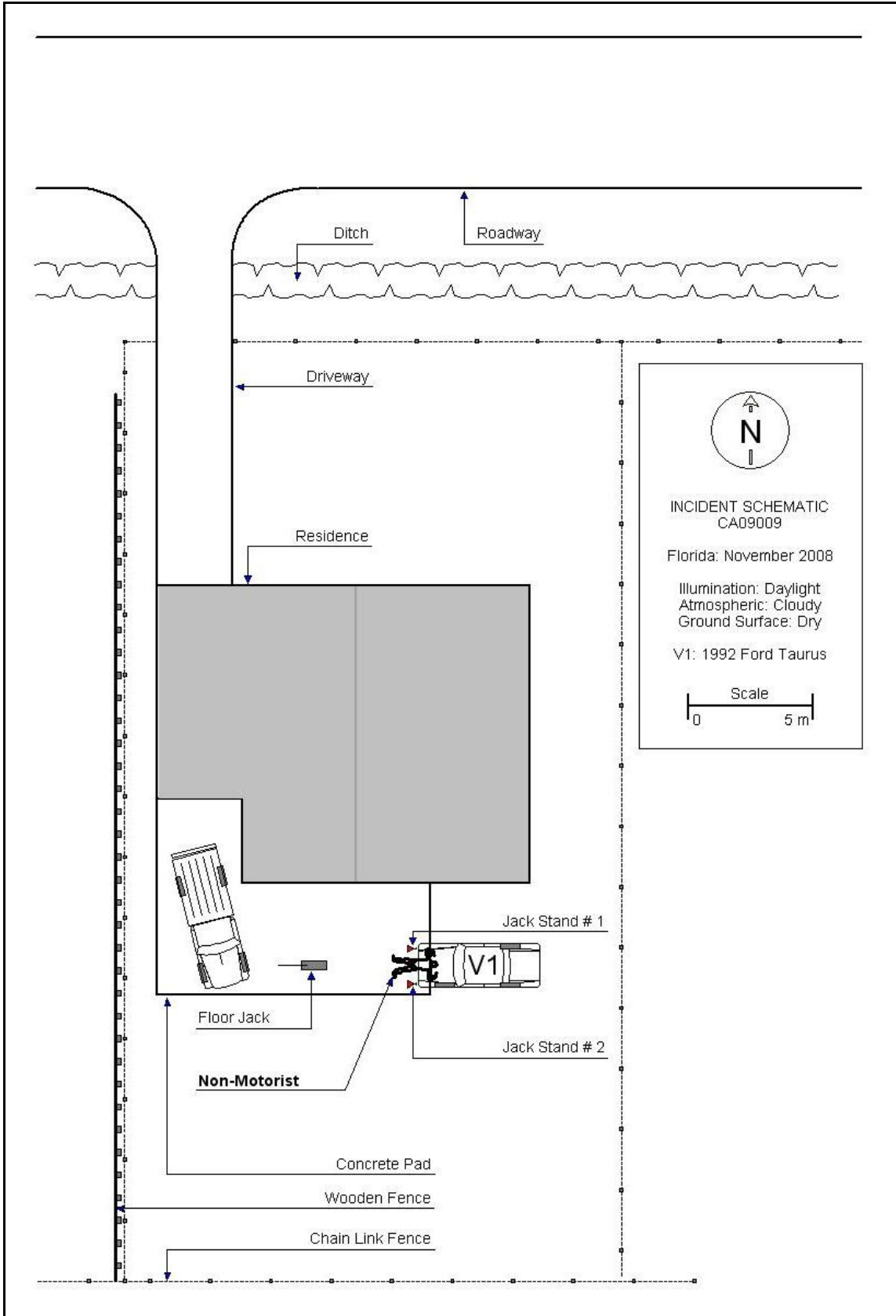


Figure 3: Incident Schematic



**Attachment A**

**NITS 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 <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 (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 <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 (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><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 E A D W E A R</b>	Hat				
	Helmet				
	Hood				
	Other (specify): _____				
<b>U P P E R  B O D Y</b>	Short Sleeve				
	Long Sleeve				
	Light Jacket				
	Heavy Jacket				
	Other (Specify): _____				
<b>L O W E R  B O D Y</b>	Shorts				
	Pants				
	Shoes				
	Other (specify): _____				