



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

*** ** _**



AUTO SAFETY HOTLINE
(800) 424-9393
Wash. D.C. Area 366-0123



CASE SUMMARY

PSU 06 CASE NO. 006A TYPE OF ACCIDENT Car vs. Tree

A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

(Provide a summary of the accident sequence as well as any particular event of the accident that is noteworthy. Injury mechanism and vehicle crashworthiness is the focus, not driver culpability. Do not include any personal identifiers.)

Vehicle 1 EASTBOUND DEPARTS RIGHT SIDE OF ROAD AND CONTACTS A TREE HEAD-ON. THE DRIVER SIDE AIR BAG IN VEHICLE 1 DEPLOYS. IT IS BELIEVED DRIVER SUFFERED A HEART ATTACK PRIOR TO IMPACT AND AS A RESULT DEPARTED THE RIGHT SIDE OF THE ROAD.

B. VEHICLE PROFILE(S)

Vehicle No.	Class of Vehicle	Year/Make/Model	Most Severe Damage Based on Vehicle Inspection		Component Failure
			Damage Plane	Severity Description	
1	COMPACT	90/Plymouth/acceleri	FRONT	MODERATE	N/A

DO NOT SANITIZE THIS FORM

C. PERSON PROFILE(S)

Vehicle No.	Person Role	Seat Position	Restraint Use	Most Severe Injury (TO BE COMPLETED BY ZONE CENTER)			
				Body Region	Injury Type	AIS	Injury Source
1	DRIVER	LEFT FRONT	DEPLOYED AIR BAG	heart	Laceration	6	

Body Region

Abdomen
Ankle-foot
Arm (upper)
Back-thoracolumbar spine
Chest
Elbow
Face
Forearm
Head-skull
Knee
Leg (lower)
Lower limb(s) (whole or unknown part)
Neck-cervical spine
Pelvic-hip
Shoulder
Thigh
Upper limb(s) (whole or unknown part)
Whole body
Wrist-hand

Brain

Ears
Eye
Heart
Kidneys
Liver
Mouth
Noise
Pulmonary-lungs
Spleen
Thyroid, other endocrine gland
Vertebrae

Injury Type

Abrasion
Amputation
Avulsion
Burn
Concussion
Contusion
Crush
Detachment, separation

Dislocation

Fracture
Fracture and dislocation
Laceration
Other
Perforation, puncture
Rupture
Sprain
Strain
Total severance, transection
Unknown

Abbreviated Injury Scale

(1) Minor injury
(2) Moderate injury
(3) Serious injury
(4) Severe injury
(5) Critical injury
(6) Maximum (untreatable)
(7) Injured, unknown severity

DO NOT SANITIZE THIS FORM



U.S. Department of Transportation
National Highway Traffic Safety
Administration

ACCIDENT COLLISION DIAGRAM

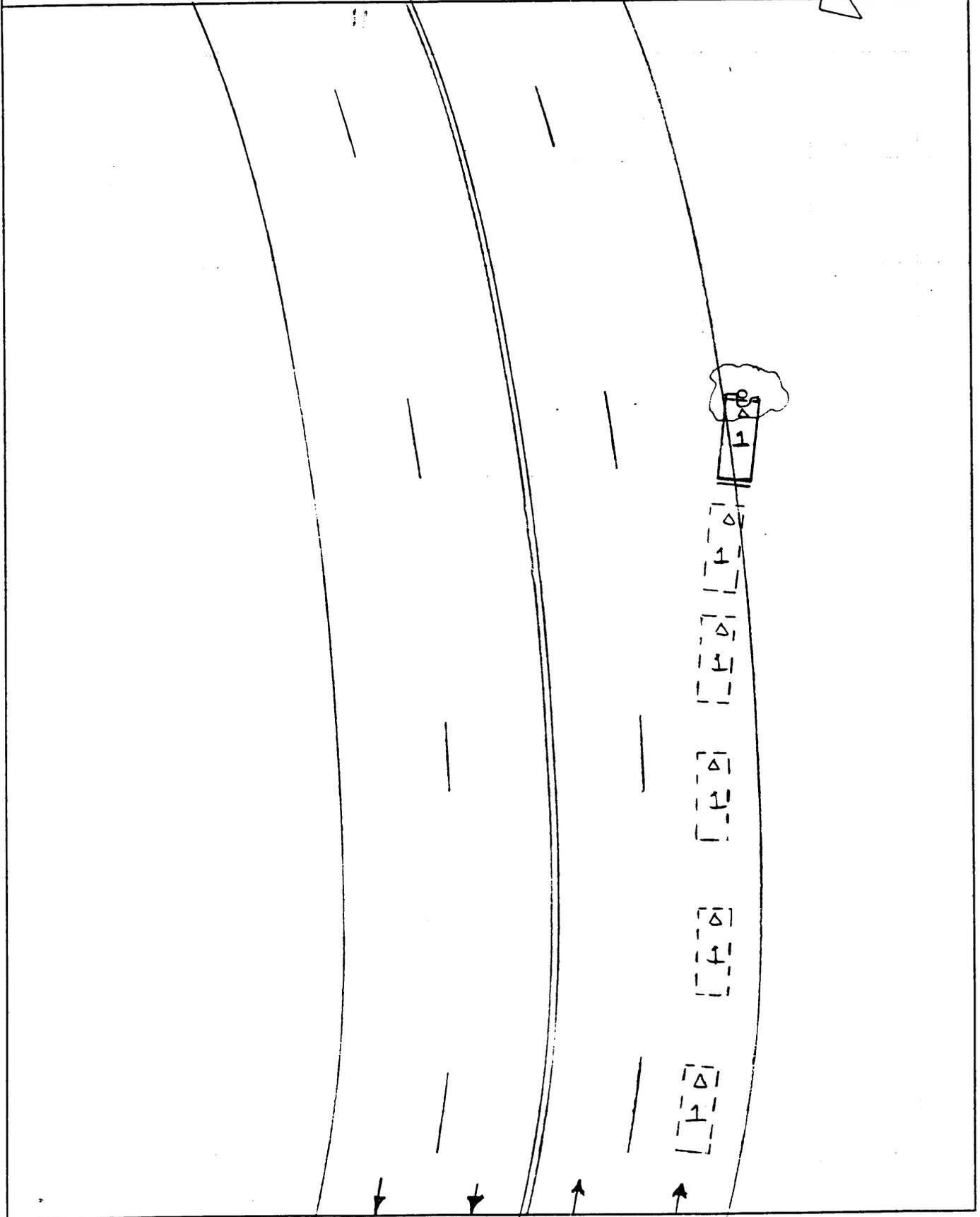
NOT TO SCALE

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

PSU No. 06

Case Number—Stratum 006A

Indicate
North



CODES FOR CLASS OF VEHICLE

- (00) Not a motor vehicle
- (01) Subcompact/mini (wheelbase < 254 cm)
- (02) Compact (wheelbase ≥ 254 but < 265 cm)
- (03) Intermediate (wheelbase ≥ 265 but < 278 cm)
- (04) Full size (wheelbase ≥ 278 but < 291 cm)
- (05) Largest (wheelbase ≥ 291 cm)
- (09) Unknown passenger car size
- (11) Compact utility vehicle
- (12) Large utility vehicle (≤ 4,500 kgs GVWR)
- (13) Passenger van (≤ 4,500 kgs GVWR)
- (14) Other van (≤ 4,500 kgs GVWR)
- (15) Pickup truck (≤ 4,500 kgs GVWR)
- (18) Other truck (≤ 4,500 kgs GVWR)
- (19) Unknown light truck type
- (20) School bus
- (21) Other bus
- (22) Truck (> 4,500 kgs GVWR)
- (23) Tractor without trailer
- (24) Tractor-trailer(s)
- (25) Motored cycle
- (28) Other vehicle
- (99) Unknown

CODES FOR GENERAL AREA OF DAMAGE (GAD)

CDS APPLICABLE AND OTHER VEHICLES

- (O) Not a motor vehicle
- (N) Noncollision
- (F) Front
- (R) Right side
- (L) Left side
- (B) Back
- (T) Top
- (U) Undercarriage
- (9) Unknown

TDC APPLICABLE VEHICLES

- (O) Not a motor vehicle
- (N) Noncollision
- (F) Front
- (R) Right side
- (L) Left side
- (B) Back of unit with cargo area (rear of trailer or straight truck)
- (D) Back (rear of tractor)
- (C) Rear of cab
- (V) Front of cargo area
- (T) Top
- (U) Undercarriage
- (9) Unknown

CODES FOR VEHICLE NUMBER OR OBJECT CONTACTED

(01-30) – Vehicle Number

Noncollision

- (31) Overturn – rollover
- (32) Fire or explosion
- (33) Jackknife
- (34) Other intraunit damage (specify): _____

- (35) Noncollision injury
- (38) Other noncollision (specify): _____

- (39) Noncollision – details unknown

Collision With Fixed Object

- (41) Tree (≤ 10 cm in diameter)
- (42) Tree (> 10 cm in diameter)
- (43) Shrubbery or bush
- (44) Embankment
- (45) Breakaway pole or post (any diameter)

Nonbreakaway Pole or Post

- (50) Pole or post (≤ 10 cm in diameter)
- (51) Pole or post (> 10 cm but ≤ 30 cm in diameter)
- (52) Pole or post (> 30 cm in diameter)
- (53) Pole or post (diameter unknown)

- (54) Concrete traffic barrier
- (55) Impact attenuator
- (56) Other traffic barrier (includes guardrail) (specify): _____

- (57) Fence
- (58) Wall
- (59) Building
- (60) Ditch or culvert
- (61) Ground
- (62) Fire hydrant
- (63) Curb
- (64) Bridge
- (68) Other fixed object (specify): _____

- (69) Unknown fixed object

Collision with Nonfixed Object

- (71) Motor vehicle not in-transport
- (72) Pedestrian
- (73) Cyclist or cycle
- (74) Other nonmotorist or conveyance

- (75) Vehicle occupant
- (76) Animal
- (77) Train
- (78) Trailer, disconnected in transport
- (88) Other nonfixed object (specify): _____

- (89) Unknown nonfixed object

- (98) Other event (specify): _____

- (99) Unknown event or object

OCCUPANT RELATED

16. Driver Presence in Vehicle 1
 (0) Driver not present
 (1) Driver present
 (9) Unknown
17. Number of Occupants This Vehicle 01
 (00-96) Code actual number of occupants for this vehicle
 (97) 97 or more
 (99) Unknown
18. Number of Occupant Forms Submitted 01

24. Rollover 0
 (0) No rollover (no overturning)
- Rollover (primarily about the longitudinal axis)*
 (1) Rollover, 1 quarter turn only
 (2) Rollover, 2 quarter turns
 (3) Rollover, 3 quarter turns
 (4) Rollover, 4 or more quarter turns (specify):

- (5) Rollover--end-over-end (i.e., primarily about the lateral axis)
 (9) Rollover (overturn), details unknown

VEHICLE WEIGHT ITEMS

19. Vehicle Curb Weight 1,300
 _____ Code weight to nearest 10 kilograms.
 (045) Less than 450 kilograms
 (610) 6,100 kilograms or more
 (999) Unknown
- 2854 lbs X .4536 = 1,295 kgs
- Source: _____

20. Vehicle Cargo Weight 999
 _____ Code weight to nearest 10 kilograms.
 (000) Less than 5 kilograms
 (450) 4,500 kilograms or more
 (999) Unknown
- _____ lbs X .4536 = _____ kgs

RECONSTRUCTION DATA

21. Towed Trailing Unit 0
 (0) No towed unit
 (1) Yes--towed trailing unit
 (9) Unknown
22. Documentation of Trajectory Data for This Vehicle 0
 (0) No
 (1) Yes
23. Post Collision Condition of Tree or Pole (For Highest Delta V) 1
 (0) Not collision (for highest delta V) with tree or pole
 (1) Not damaged
 (2) Cracked/sheared
 (3) Tilted < 45 degrees
 (4) Tilted ≥ 45 degrees
 (5) Uprooted tree
 (6) Separated pole from base
 (7) Pole replaced
 (8) Other (specify): _____
 (9) Unknown

OVERRIDE/UNDERRIDE (THIS VEHICLE)

25. Front Override/Underride (this Vehicle) 0
26. Rear Override/Underride (this Vehicle) 0
- (0) No override/underride, or not an end-to-end impact
- Override (see specific CDC)*
 (1) 1st CDC
 (2) 2nd CDC
 (3) Other not automated CDC (specify):

- Underride (see specific CDC)*
 (4) 1st CDC
 (5) 2nd CDC
 (6) Other not automated CDC (specify):

- (7) Medium/heavy truck or bus override
 (9) Unknown

HEADING ANGLE AT IMPACT FOR HIGHEST DELTA V

Values: (000)-(359) Code actual value
 (997) Noncollision
 (998) Impact with object
 (999) Unknown

27. Heading Angle For This Vehicle 998
28. Heading Angle For Other Vehicle 998

OTHER DATA

56. Driver's Zip Code

- (00000) Driver not present
 (00001) Driver not a resident of U.S. or territories
 Code actual 5-digit zip code
 (99999) Unknown

57. Driver's Race/Ethnic Origin

- (0) Driver not present
 (1) White (non-Hispanic)
 (2) Black (non-Hispanic)
 (3) White (Hispanic)
 (4) Black (Hispanic)
 (5) American Indian, Eskimo or Aleut
 (6) Asian or Pacific Islander
 (8) Other (specify):
 (9) Unknown

58. Vehicle Special Use (This Trip)

- (0) No special use
 (1) Taxi
 (2) Vehicle used as school bus
 (3) Vehicle used as other bus
 (4) Military
 (5) Police
 (6) Ambulance
 (7) Fire truck or car
 (8) Other (specify):
 (9) Unknown

ROLLOVER DATA

If GV07 (Body Type) \neq 1-49, leave GV59-GV63 blank.
 If GV24 (Rollover) = 0, then GV59-GV63 must equal 0.
 If GV24 = 9, then GV59-GV63 must equal 9.

59. Rollover Initiation Type

- (0) No rollover
 (1) Trip-over
 (2) Flip-over
 (3) Turn-over
 (4) Climb-over
 (5) Fall-over
 (6) Bounce-over
 (7) Collision with another vehicle
 (8) Other rollover initiation type specify:
 (9) Unknown rollover initiation type

60. Location of Rollover Initiation

- (0) No rollover
 (1) On roadway
 (2) On shoulder—paved
 (3) On shoulder—unpaved
 (4) On roadside or divided trafficway median
 (9) Unknown

61. Rollover Initiation Object Contacted

62. Location on Vehicle Where Initial Principal Tripping Force Is Applied

- (0) No rollover
 (1) Wheels/tires
 (2) Side plane
 (3) End plane
 (4) Undercarriage
 (5) Other location on vehicle (specify):
 (8) Non-contact rollover forces (specify):
 (9) Unknown

63. Direction of Initial Roll

- (0) No rollover
 (1) Roll right - primarily about the longitudinal axis
 (2) Roll left - primarily about the longitudinal axis
 (5) End-over-end (i.e., primarily about the lateral axis)
 (9) Unknown roll direction

PRECRASH DATA

64. Pre-Event Movement (Prior to Recognition of Critical Event)

- (01) Going straight
 (02) Slowing or stopping in traffic lane
 (03) Starting in traffic lane
 (04) Stopped in traffic lane
 (05) Passing or overtaking another vehicle
 (06) Disabled or parked in travel lane
 (07) Leaving a parking position
 (08) Entering a parking position
 (09) Turning right
 (10) Turning left
 (11) Making a U-turn
 (12) Backing up (other than for parking position)
 (13) Negotiating a curve
 (14) Changing lanes
 (15) Merging
 (16) Successful avoidance maneuver to a previous critical event
 (97) Other (specify):
 (98) No driver present
 (99) Unknown

CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

- (00) No rollover
(01-30) – Vehicle Number
- Noncollision**
(31) Turn-over – fall-over
(33) Jackknife
- Collision With Fixed Object**
(41) Tree (\leq 10 cm in diameter)
(42) Tree ($>$ 10 cm in diameter)
(43) Shrubbery or bush
(44) Embankment

(45) Breakaway pole or post (any diameter)
- Nonbreakaway Pole or Post**
(50) Pole or post (\leq 10 cm in diameter)
(51) Pole or post ($>$ 10 cm but \leq 30 cm in diameter)
(52) Pole or post ($>$ 30 cm in diameter)
(53) Pole or post (diameter unknown)

(54) Concrete traffic barrier
(55) Impact attenuator
(56) Other traffic barrier (includes guardrail)
(specify): _____
- (57) Fence
(58) Wall
(59) Building
(60) Ditch or culvert
(61) Ground
(62) Fire hydrant
(63) Curb
(64) Bridge
(68) Other fixed object (specify):

(69) Unknown fixed object
- Collision with Nonfixed Object**
(71) Motor vehicle not in-transport
(76) Animal
(77) Train
(78) Trailer, disconnected in transport
(88) Other nonfixed object (specify):

(89) Unknown nonfixed object

(98) Other event (specify):

(99) Unknown event or object



U.S. Department of Transportation
National Highway Traffic Safety
Administration

EXTERIOR VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number <u>06</u>	3. Vehicle Number <u>01</u>
2. Case Number - Stratum <u>006A</u>	

VEHICLE IDENTIFICATION

VIN 1P3XA46KX ~~XXXXXXXXXXXX~~ Model Year 90

Vehicle Make (specify): PLYMOUTH Vehicle Model (specify): ACCORD

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line or bumper corner for end impacts or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
<u>1</u>	<u>BEG. 17 TO FRONT OF LEFT RTR</u> <u>BUMPER CORNER</u>	<u>ENTIRE FR. BUMPER</u>

CRUSH PROFILE IN CENTIMETERS

NOTES: Identify the plane at which the C-measurements are taken (e.g., at bumper, above bumper, at sill, above sill, etc.) and label adjustments (e.g., free space).

Measure and document on the vehicle diagram the location of maximum crush.

Measure C1 to C6 from driver to passenger side in front or rear impacts and rear to front in side impacts.

Free space value is defined as the distance between the baseline and the original body contour taken at the individual C locations. This may include the following: bumper lead, bumper taper, side protrusion, side taper, etc. Record the value for each C-measurement and maximum crush.

Use as many lines/columns as necessary to describe each damage profile.

Specific Impact Number	Plane of Impact C-Measurements	Direct Damage		Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D
		Width (CDC)	Max Crush								
<u>1</u>	<u>FRONT</u> <u>BUMPER</u>	<u>40</u>	<u>76.5</u>	<u>90</u>	<u>46.5</u>	<u>79.5</u>	<u>76.5</u>	<u>66.6</u>	<u>47</u>	<u>32</u>	
	<u>FREE SPACE</u>		<u>1</u>		<u>18</u>	<u>6</u>	<u>1</u>	<u>1</u>	<u>6</u>	<u>18</u>	
<u>1</u>	<u>FINAL MEASURE HEAD</u>	<u>40</u>	<u>75.5</u>	<u>90</u>	<u>28.5</u>	<u>73.5</u>	<u>75.5</u>	<u>65.6</u>	<u>41</u>	<u>14</u>	<u>31</u>

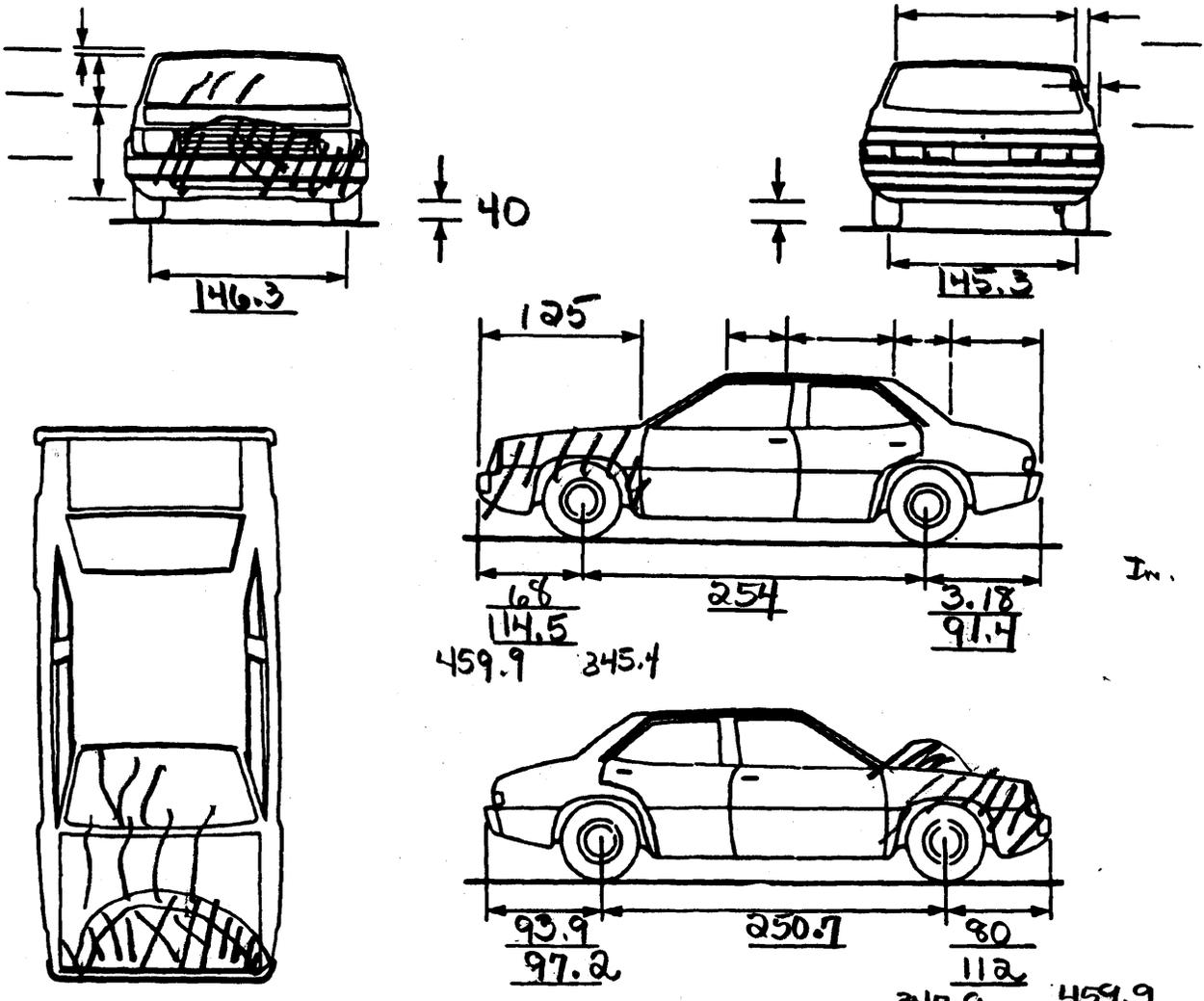
ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	<u>103.3</u>	inches	x 2.54 =	<u>263</u>	cm
Overall Length	<u>181.2</u>	inches	x 2.54 =	<u>460</u>	cm
Maximum Width	<u>68.1</u>	inches	x 2.54 =	<u>173</u>	cm
Curb Weight	<u>2854</u>	pounds	x .4536 =	<u>1,295</u>	kg
Average Track	<u>57.8</u>	inches	x 2.54 =	<u>147</u>	cm
Front Overhang	<u>38.6</u>	inches	x 2.54 =	<u>98</u>	cm
Rear Overhang	<u>39.3</u>	inches	x 2.54 =	<u>100</u>	cm
Undeformed End Width	<u>1</u>	inches	x 2.54 =	<u>136</u>	cm
Engine Size: cyl./displ.	<u> </u>	cc	x .001 =	<u>2.5</u>	L
	<u> </u>	CID	x .0164 =	<u> </u>	L

VEHICLE DAMAGE SKETCH

<p>TIRE—WHEEL DAMAGE</p> <p>a. Rotation physically restricted</p> <p>RF <u>1</u> LF <u>1</u> RR <u>2</u> LR <u>2</u></p> <p>b. Tire deflated</p> <p>RF <u>2</u> LF <u>2</u> RR <u>2</u> LR <u>2</u></p> <p>(1) Yes (2) No (8) NA (9) Unk.</p>	<p>ORIGINAL SPECIFICATIONS</p> <p>Wheelbase <u>263</u> cm</p> <p>Overall Length <u>460</u> cm</p> <p>Maximum Width <u>173</u> cm</p> <p>Curb Weight <u>1295</u> kg</p> <p>Average Track <u>147</u> cm</p> <p>Front Overhang <u>98</u> cm</p> <p>Rear Overhang <u>100</u> cm</p> <p>Undeformed End Width <u>136</u> cm</p> <p>Engine Size: cyl./displ. <u>2.5</u> L</p>	<p>WHEEL STEER ANGLES (For locked front wheels or displaced rear axles only)</p> <p>RF <u>005</u> ° LF ± <u>00</u> ° RR ± _____ ° LR ± _____ ° Within ± 5 degrees</p> <p>DRIVE WHEELS</p> <p><input checked="" type="checkbox"/> FWD <input type="checkbox"/> RWD <input type="checkbox"/> 4WD</p> <p>Approximate Cargo Weight <u>?</u> kg</p>
<p>TYPE OF TRANSMISSION</p> <p><input type="checkbox"/> Manual <input checked="" type="checkbox"/> Automatic</p>		

MEASUREMENTS IN CENTIMETERS



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page. Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.



INTERIOR VEHICLE FORM

1. Primary Sampling Unit Number 06
 2. Case Number - Stratum 006A
 3. Vehicle Number 01

INTEGRITY

4. Passenger Compartment Integrity 00
 (00) No integrity loss

Yes, Integrity Was Lost Through

- (01) Windshield
- (02) Door (side)
- (03) Door/hatch (back door)
- (04) Roof
- (05) Roof glass
- (06) Side window
- (07) Rear window (backlight)
- (08) Roof and roof glass
- (09) Windshield and door (side)
- (10) Windshield and roof
- (11) Side and rear window (side window and backlight)
- (12) Windshield and side window
- (13) Door and side window
- (98) Other combination of above (specify):

(99) Unknown

Door, Tailgate or Hatch Opening

5. LF / 6. RF / 7. LR / 8. RR / 9. TG/H 0

- (0) No door/gate/hatch
- (1) Door/gate/hatch remained closed and operational
- (2) Door/gate/hatch came open during collision
- (3) Door/gate/hatch jammed shut
- (8) Other (specify):

(9) Unknown

Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then code 0

10. LF 0 11. RF 0 12. LR 0 13. RR 0 14. TG/H 0

- (0) No door/gate/hatch or door not opened

Door, Tailgate or Hatch Came Open During Collision

- (1) Door operational (no damage)
- (2) Latch/striker failure due to damage
- (3) Hinge failure due to damage
- (4) Door structure failure due to damage
- (5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage
- (6) Latch/striker and hinge failure due to damage
- (8) Other failure (specify):

(9) Unknown

GLAZING

Glazing Damage from Impact Forces

15. WS 2 16. LF 0 17. RF 0 18. LR 0 19. RR 0
 20. BL 0 21. Roof 8 22. Other 0

- (0) No glazing damage from impact forces
- (2) Glazing in place and cracked from impact forces
- (3) Glazing in place and holed from impact forces
- (4) Glazing out-of-place (cracked or not) and not holed from impact forces
- (5) Glazing out-of-place and holed from impact forces
- (6) Glazing disintegrated from impact forces
- (7) Glazing removed prior to accident
- (8) No glazing
- (9) Unknown if damaged

Glazing Damage from Occupant Contact

23. WS 0 24. LF 0 25. RF 0 26. LR 0 27. RR 0
 28. BL 0 29. Roof 0 30. Other 0

- (0) No occupant contact to glazing or no glazing
- (1) Glazing contacted by occupant but no glazing damage
- (2) Glazing in place and cracked by occupant contact
- (3) Glazing in place and holed by occupant contact
- (4) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
- (5) Glazing out-of-place by occupant contact and holed by occupant contact
- (6) Glazing disintegrated by occupant contact
- (9) Unknown if contacted by occupant

If No Glazing Damage *And* No Occupant Contact or No Glazing, Then Code IV31 Through IV46 As 0

Type of Window/Windshield Glazing

31. WS / 32. LF 0 33. RF 0 34. LR 0 35. RR 0
 36. BL 0 37. Roof 0 38. Other 2

- (0) No glazing contact and no damage, or no glazing
 - (1) AS-1 - Laminated
 - (2) AS-2 - Tempered
 - (3) AS-3 - Tempered-tinted
 - (4) AS-14 - Glass/Plastic
 - (8) Other (specify):
- (9) Unknown

Window Pre-crash Glazing Status

39. WS / 40. LF 0 41. RF 0 42. LR 0 43. RR 0
 44. BL 0 45. Roof 0 46. Other 0

- (0) No glazing contact and no damage, or no glazing
- (1) Fixed
- (2) Closed
- (3) Partially opened
- (4) Fully opened
- (9) Unknown

OCCUPANT AREA INTRUSION

Note: If no intrusions, leave variables IV47-IV86 blank.

	Location of Intrusion	Intruding Component	Magnitude of Intrusion	Dominant Crush Direction
1st	47. <u>11</u>	48. <u>05</u>	49. <u>2</u>	50. <u>2</u>
2nd	51. <u>13</u>	52. <u>05</u>	53. <u>2</u>	54. <u>2</u>
3rd	55. _____	56. _____	57. _____	58. _____
4th	59. _____	60. _____	61. _____	62. _____
5th	63. _____	64. _____	65. _____	66. _____
6th	67. _____	68. _____	69. _____	70. _____
7th	71. _____	72. _____	73. _____	74. _____
8th	75. _____	76. _____	77. _____	78. _____
9th	79. _____	80. _____	81. _____	82. _____
10th	83. _____	84. _____	85. _____	86. _____

LOCATION OF INTRUSION**Front Seat**

- (11) Left
- (12) Middle
- (13) Right

Second Seat

- (21) Left
- (22) Middle
- (23) Right

Third Seat

- (31) Left
- (32) Middle
- (33) Right

Fourth Seat

- (41) Left
- (42) Middle
- (43) Right

- (97) Catastrophic
- (98) Other enclosed area (specify)

(99) Unknown

INTRUDING COMPONENT*Interior Components*

- (01) Steering assembly
- (02) Instrument panel left
- (03) Instrument panel center
- (04) Instrument panel right
- (05) Toe pan
- (06) A (A1/A2)-pillar
- (07) B-pillar
- (08) C-pillar
- (09) D-pillar
- (10) Door panel (side)
- (12) Roof (or convertible top)
- (13) Roof side rail
- (14) Windshield
- (15) Windshield header
- (16) Window frame
- (17) Floor pan (includes sill)
- (18) Backlight header
- (19) Front seat back
- (20) Second seat back
- (21) Third seat back
- (22) Fourth seat back
- (23) Fifth seat back
- (24) Seat cushion
- (25) Back door/panel (e.g., tailgate)
- (26) Other interior component (specify): _____

- (27) Side panel - forward of the A (A2)-pillar
- (28) Side panel - rear of the A (A2)-pillar

Exterior Components

- (30) Hood
- (31) Outside surface of this vehicle (specify): _____
- (32) Other exterior object in the environment (specify): _____
- (33) Unknown exterior object
- (97) Catastrophic
- (98) Intrusion of unlisted component(s) (specify): _____
- (99) Unknown

MAGNITUDE OF INTRUSION

- (1) ≥ 3 centimeters but < 8 centimeters
- (2) ≥ 8 centimeters but < 15 centimeters
- (3) ≥ 15 centimeters but < 30 centimeters
- (4) ≥ 30 centimeters but < 46 centimeters
- (5) ≥ 46 centimeters but < 61 centimeters
- (6) ≥ 61 centimeters
- (7) Catastrophic
- (9) Unknown

DOMINANT CRUSH DIRECTION

- (1) Vertical
- (2) Longitudinal
- (3) Lateral
- (7) Catastrophic
- (9) Unknown

STEERING RIM/SPOKE DEFORMATION

(All Measurements Are in Centimeters)

COMPARISON VALUE — DAMAGE VALUE = DEFORMATION

0

—

10

=

10

—

=

—

=

—

=

STEERING COLUMN

87. Steering Column Type L
 (1) Fixed column
 (2) Tilt column
 (3) Telescoping column
 (4) Tilt and telescoping column
 (8) Other column type (specify):

 (9) Unknown

88. Blank X X
 (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.)

89. Blank X X X
 (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.)

90. Blank X X X
 (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.)

91. Blank X X X
 (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.)

92. Steering Rim/Spoke Deformation 10
 Code actual measured deformation to the nearest centimeter
 (00) No steering rim deformation
 (01-14) Actual measured value in centimeters
 (15) 15 centimeters or more
 (98) Observed deformation cannot be measured
 (99) Unknown

93. Location of Steering Rim/Spoke Deformation 05
 (00) No steering rim deformation

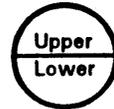
Quarter Sections

- (01) Section A
- (02) Section B
- (03) Section C
- (04) Section D



Half Sections

- (05) Upper half of rim/spoke
- (06) Lower half of rim/spoke
- (07) Left half of rim/spoke
- (08) Right half of rim/spoke



- (09) Complete steering wheel collapse
- (10) Undetermined location
- (99) Unknown

INSTRUMENT PANEL

94. Odometer Reading 065,000

_____ kilometers—Code to the nearest 1,000 kilometers
 (000) No odometer
 (001) Less than 1,500 kilometers
 (500) 499,500 kilometers or more
 (999) Unknown

40169 miles X 1.6093 = 64644 kilometers

Source: _____

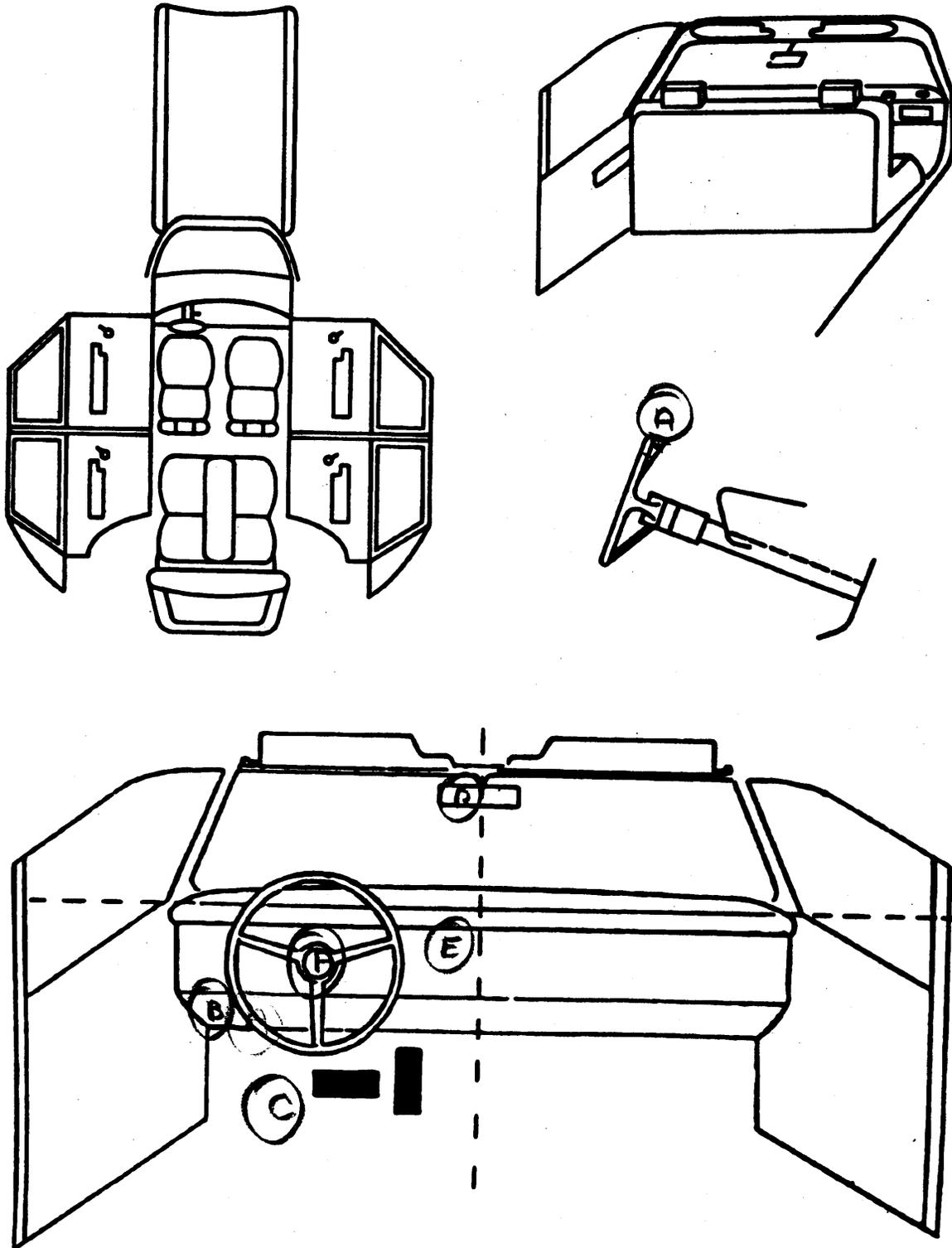
95. Instrument Panel Damage from Occupant Contact? 1
 (0) No
 (1) Yes
 (9) Unknown

96. Knee Bolsters Deformed from Occupant Contact? 0
 (0) No
 (1) Yes
 (8) Not present
 (9) Unknown

97. Did Glove Compartment Door Open During Collision(s)? 1
 (0) No
 (1) Yes
 (8) Not present
 (9) Unknown

VEHICLE INTERIOR SKETCHES

Note area of ejection/entrapment



Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure).
Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.
Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

POINTS OF OCCUPANT CONTACT

Contact	Interior Component Contacted	Occupant No. If Known	Body Region If Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	04	01	Chest	BEAT	1
B	09	01	Knee	CRACKED / SCUFFED	1 2
C	56	01	Foot / Ankle	INTRUSION	2
D	02	01	Hand	SMALL BLOOD STAIN	2 3
E	10	01	Hand	SMALL CRACK	2 3
F	45	01	Face	SMALL BLOOD STAIN	2
G					
H					
I					
J					
K					
L					
M					
N					

CODES FOR INTERIOR COMPONENTS

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): _____
- (19) Other front object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar

- (23) Left B-pillar
 - (24) Other left pillar (specify): _____
 - (25) Left side window glass or frame
 - (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
 - (27) Other left side object (specify): _____
 - (28) Left side window sill
- RIGHT SIDE
- (30) Right side interior surface, excluding hardware or armrests
 - (31) Right side hardware or armrest
 - (32) Right A (A1/A2)-pillar
 - (33) Right B-pillar
 - (34) Other right pillar (specify): _____
 - (35) Right side window glass or frame
 - (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B pillar, or roof side rail.
 - (37) Other right side object (specify): _____
 - (38) Right side window sill

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): _____
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)

- (46) Other occupants (specify): _____
- (47) Interior loose objects
- (48) Child safety seat (specify): _____
- (49) Other interior object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

CONFIDENCE LEVEL OF CONTACT POINT

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

		Left	Center	Right
FIRST	Availability	4	0	4
	Use	04	00	04
	Failure Modes	1	0	1
SECOND	Availability	4	3	4
	Use	04	00	04
	Failure Modes	1	0	1
THIRD	Availability			
	Use			
	Failure Modes			
OTHER	Availability			
	Use			
	Failure Modes			

Manual (Active) Belt System Availability

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available - type unknown

Integral Belt Partially Destroyed

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)

(8) Other belt (specify): _____

(9) Unknown

Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperable (specify): _____
- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used - type unknown

(08) Other belt used (specify):

- (12) Shoulder belt used with child safety seat
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat - type unknown
- (18) Other belt used with child safety seat (specify): _____
- (99) Unknown if belt used

Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify): _____
- (6) Broken retractor
- (7) Combination of above (specify): _____
- (8) Other manual belt failure (specify): _____
- (9) Unknown

AUTOMATIC RESTRAINTS

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

AIR BAGS

		Left	Right
F I R S T	Availability/Function	/	0
	Deployment	/	0
	Failure	/	0

Air Bag System Availability/Function

- (0) Not equipped/not available
- (1) Air bag

Non-functional

- (2) Air bag disconnected (specify): _____
- (3) Air bag not reinstalled
- (9) Unknown

Air Bag System Deployment

- (0) Not equipped/not available
- (1) Air bag deployed during accident (as a result of impact)
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined.
- (4) Nondeployed
- (5) Unknown if deployed
- (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (9) Unknown

Did Air Bag System Fail?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify): _____
- (9) Unknown

AUTOMATIC BELTS

		Left	Right
F I R S T	Availability/Function	0	0
	Use	0	0
	Type	0	0
	Proper Use	0	0
	Failure Modes	0	0

Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts - type unknown

Non-functional

- (4) Automatic belts destroyed or rendered inoperative
- (9) Unknown

Automatic (Passive) Belt System Use

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative)
- (3) Automatic belt use unknown
- (9) Unknown

Automatic (Passive) Belt System Type

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system
- (9) Unknown

Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under arm
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify): _____
- (8) Other improper use of automatic belt system (specify): _____
- (9) Unknown

Automatic (Passive) Belt Failure Modes During Accident

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify): _____
- (6) Broken retractor
- (7) Combination of above (specify): _____
- (8) Other automatic belt failure (specify): _____
- (9) Unknown

CHILD SAFETY SEAT FIELD ASSESSMENT

When a child safety seat is present enter the occupant's number in the first row and complete the column below the occupant's number using the codes listed below. Complete a column for each child safety seat present.

Occupant Number						
1. Type of Child Safety Seat						
2. Child Safety Seat Orientation						
3. Child Safety Seat Harness Usage		N/A				
4. Child Safety Seat Shield Usage						
5. Child Safety Seat Tether Usage						
6. Child Safety Seat Make/Model	Specify Below for Each Child Safety Seat					

- 1. Type of Child Safety Seat**
- (0) No child safety seat
 - (1) Infant seat
 - (2) Toddler seat
 - (3) Convertible seat
 - (4) Booster seat
 - (7) Other type child safety seat (specify): _____
 - (8) Unknown child safety seat type
 - (9) Unknown if child safety seat used
- 2. Child Safety Seat Orientation**
- (00) No child safety seat
 - Designed for Rear Facing for This Age/Weight
 - (01) Rear facing
 - (02) Forward facing
 - (08) Other orientation (specify): _____
 - (09) Unknown orientation
 - Designed for Forward Facing for This Age/Weight
 - (11) Rear facing
 - (12) Forward facing
 - (18) Other orientation (specify): _____
 - (19) Unknown orientation
 - Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight
 - (21) Rear facing
 - (22) Forward facing
 - (28) Other orientation (specify): _____
 - (29) Unknown orientation
 - (99) Unknown if child safety seat used

- 3. Child Safety Seat Harness Usage**
- 4. Child Safety Seat Shield Usage**
- 5. Child Safety Seat Tether Usage**
 Note: Options Below Are Used for Variables 3-5.
- (00) No child safety seat
 - Not Designed with Harness/Shield/Tether
 - (01) After market harness/shield/tether added, not used
 - (02) After market harness/shield/tether used
 - (03) Child safety seat used, but no after market harness/shield/tether added
 - (09) Unknown if harness/shield/tether added or used
 - Designed With Harness/Shield/Tether
 - (11) Harness/shield/tether not used
 - (12) Harness/shield/tether used
 - (19) Unknown if harness/shield/tether used
 - Unknown If Designed With Harness/Shield/Tether
 - (21) Harness/shield/tether not used
 - (22) Harness/shield/tether used
 - (29) Unknown if harness/shield/tether used
 - (99) Unknown if child safety seat used
- 6. Child Safety Seat Make/Model**
 (Specify make/model and occupant number)
- _____
- _____
- _____
- _____

HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
FIRST	Head Restraint Type/Damage	3	0	3
	Seat Type	01	00	01
	Seat Performance	1	0	9 Possible Guro shift
	Seat Orientation	1	0	1
SECOND	Head Restraint Type/Damage	0	0	0
	Seat Type	03	03	03
	Seat Performance	1	1	1
	Seat Orientation	1	1	1
THIRD	Head Restraint Type/Damage			
	Seat Type			
	Seat Performance			
	Seat Orientation			
OTHER	Head Restraint Type/Damage			
	Seat Type			
	Seat Performance			
	Seat Orientation			

Head Restraint Type/Damage by Occupant at This Occupant Position

- (0) No head restraints
- (1) Integral — no damage
- (2) Integral — damaged during accident
- (3) Adjustable — no damage
- (4) Adjustable — damaged during accident
- (5) Add-on — no damage
- (6) Add-on — damaged during accident
- (8) Other Specify: _____
- (9) Unknown

Seat Type (this Occupant Position)

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): _____
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

Seat Performance (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed specify: _____
- (4) Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): _____
- (7) Combination of above (specify): _____
- (8) Other (specify): _____
- (9) Unknown

Seat Orientation (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) Forward facing seat
- (2) Rear facing seat
- (3) Side facing seat (inward)
- (4) Side facing seat (outward)
- (8) Other (specify): _____
- (9) Unknown

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

NOTE: REAR SEAT BACK BEAT BY VIBRATIONS

- VEHICLE LEFT AT SCENE

EJECTION/ENTRAPMENT DATA

Complete the following if the researcher has any indication that an occupant was either ejected from or entrapped in the vehicle. Code the appropriate data on the Occupant Assessment Form.

EJECTION No [] Yes []

Describe indications of ejection and body parts involved in partial ejection(s):

Occupant Number						
Ejection						
(Note on Vehicle Interior Sketch) Ejection Area						
Ejection Medium						
Medium Status						

Ejection

- (1) Complete ejection
- (1) Partial ejection
- (3) Ejection, Unknown degree
- (9) Unknown

Ejection Area

- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear

(7) Roof

(8) Other area (e.g., back of pickup, etc.) (specify):

(9) Unknown

Ejection Medium

- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify):

(5) Integral structure

(8) Other medium (specify):

(9) Unknown

Medium Status (Immediately Prior to Impact)

- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

ENTRAPMENT No [] Yes []

Describe entrapment mechanism:

Component(s):

(Note in vehicle interior diagram)

HEAD RESTRAINT AND SEAT EVALUATION

25. Head Restraint Type/Damage by Occupant at This Occupant Position

3

- (0) No head restraints
- (1) Integral—no damage
- (2) Integral—damaged during accident
- (3) Adjustable—no damage
- (4) Adjustable—damaged during accident
- (5) Add-on—no damage
- (6) Add-on—damaged during accident
- (8) Other (specify): _____
- (9) Unknown

26. Seat Type (this Occupant Position)

01

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): _____
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

27. Seat Performance (this Occupant Position)

1

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed
- (4) Seat track/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): _____

- (7) Combination of above (specify): _____
- (8) Other (specify): _____
- (9) Unknown



OCCUPANT INJURY FORM

1. Primary Sampling Unit Number <u>06</u>	3. Vehicle Number <u>01</u>
2. Case Number - Stratum <u>006A</u>	4. Occupant Number <u>01</u>

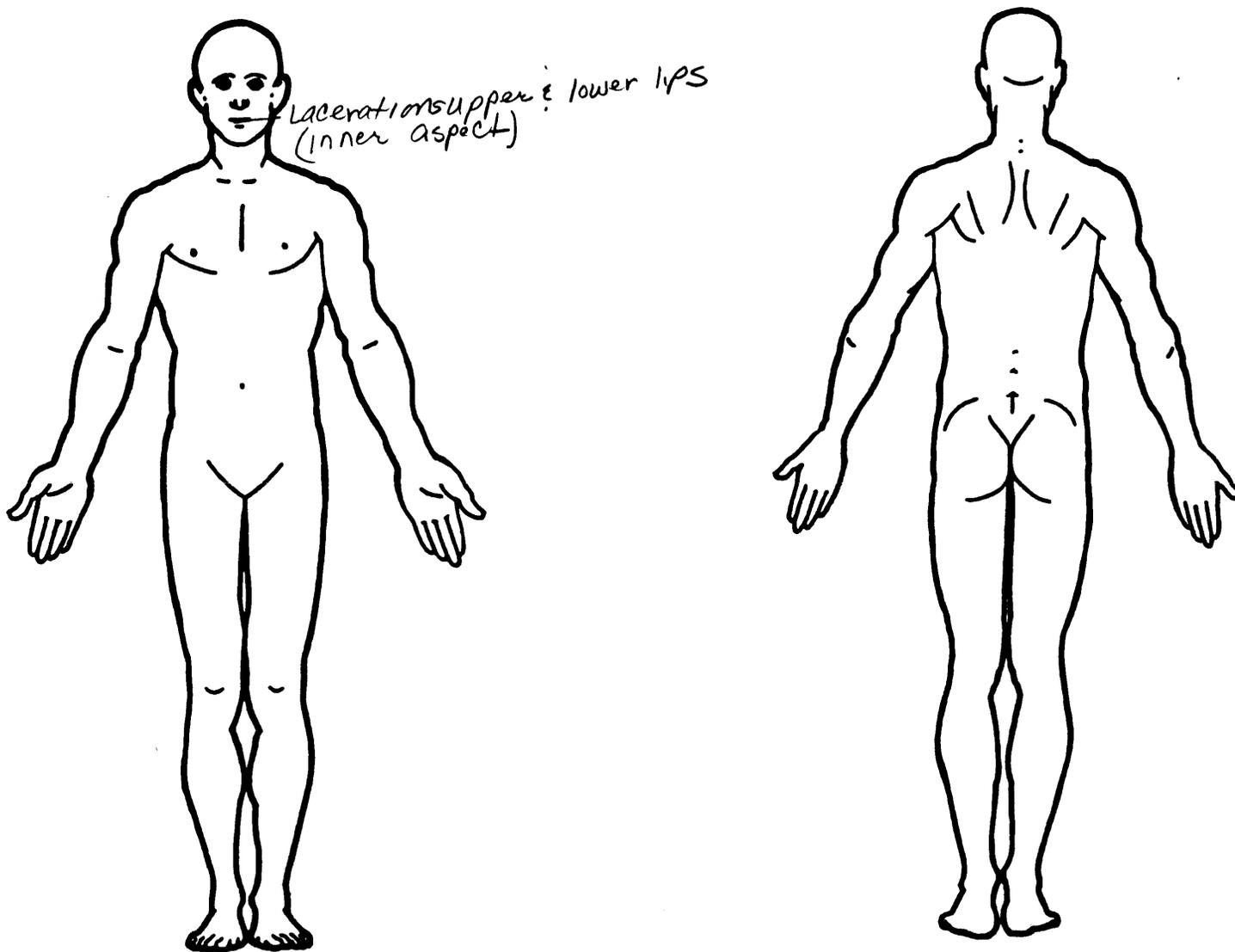
INJURY DATA-

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

Source of Injury Data	O.I.C.-A.I.S						Injury Source	Injury Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number	
	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect					
<i>rib ribs 1st</i>	5. <u>1</u>	6. <u>4</u>	7. <u>5</u>	8. <u>02</u>	9. <u>40</u>	10. <u>4</u>	11. <u>3</u>	12. <u>45</u>	13. <u>1</u>	14. <u>1</u>	15. <u>00</u>
<i>sternum 2nd</i>	16. <u>1</u>	17. <u>4</u>	18. <u>5</u>	19. <u>08</u>	20. <u>04</u>	21. <u>2</u>	22. <u>4</u>	23. <u>45</u>	24. <u>1</u>	25. <u>1</u>	26. <u>00</u>
<i>sternum 3rd</i>	27. <u>1</u>	28. <u>4</u>	29. <u>5</u>	30. <u>08</u>	31. <u>04</u>	32. <u>2</u>	33. <u>4</u>	34. <u>45</u>	35. <u>1</u>	36. <u>1</u>	37. <u>00</u>
<i>lacr. sternum 4th</i>	38. <u>1</u>	39. <u>4</u>	40. <u>4</u>	41. <u>10</u>	42. <u>16</u>	43. <u>6</u>	44. <u>4</u>	45. <u>45</u>	46. <u>1</u>	47. <u>1</u>	48. <u>00</u>
<i>lacr. sternum 5th</i>	49. <u>1</u>	50. <u>4</u>	51. <u>2</u>	52. <u>18</u>	53. <u>04</u>	54. <u>3</u>	55. <u>4</u>	56. <u>45</u>	57. <u>1</u>	58. <u>1</u>	59. <u>00</u>
<i>lung cont 6th</i>	60. <u>1</u>	61. <u>4</u>	62. <u>4</u>	63. <u>14</u>	64. <u>06</u>	65. <u>3</u>	66. <u>1</u>	67. <u>45</u>	68. <u>1</u>	69. <u>1</u>	70. <u>00</u>
<i>lip 7th</i>	71. <u>1</u>	72. <u>2</u>	73. <u>9</u>	74. <u>06</u>	75. <u>00</u>	76. <u>1</u>	77. <u>8</u>	78. <u>45</u>	79. <u>1</u>	80. <u>1</u>	81. <u>00</u>
<i>tooth loose 8th</i>	82. <u>1</u>	83. <u>2</u>	84. <u>5</u>	85. <u>14</u>	86. <u>02</u>	87. <u>1</u>	88. <u>8</u>	89. <u>45</u>	90. <u>1</u>	91. <u>1</u>	92. <u>00</u>
9th	93. <u> </u>	94. <u> </u>	95. <u> </u>	96. <u> </u>	97. <u> </u>	98. <u> </u>	99. <u> </u>	100. <u> </u>	101. <u> </u>	102. <u> </u>	103. <u> </u>
10th	104. <u> </u>	105. <u> </u>	106. <u> </u>	107. <u> </u>	108. <u> </u>	109. <u> </u>	110. <u> </u>	111. <u> </u>	112. <u> </u>	113. <u> </u>	114. <u> </u>

OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



SOURCE OF INJURY DATA

OFFICIAL

- (1) Autopsy records with or without hospital/medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): _____
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): _____
- (19) Other front object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify): _____

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify): _____

- (28) Left side window sill

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify): _____
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify): _____

- (38) Right side window sill

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify): _____
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify): _____
- (47) Interior loose objects
- (48) Child safety seat (specify): _____
- (49) Other interior object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

EXTERIOR of OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): _____
- (68) Unknown exterior objects

EXTERIOR of OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): _____
- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify)

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): _____

- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify) _____
- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): _____
- (93) Air bag exhaust gases
- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

Body Region	Specific Anatomic Structure	Spine	Abbreviated Injury Scale
(1) Head	<u>Whole Area</u>	(02) Cervical	(1) Minor injury
(2) Face	(02) Skin - Abrasion	(04) Thoracic	(2) Moderate injury
(3) Neck	(04) Skin - Contusion	(08) Lumbar	(3) Serious injury
(4) Thorax	(08) Skin - Laceration		(4) Severe injury
(5) Abdomen	(08) Skin - Avulsion		(5) Critical injury
(6) Spine	(10) Amputation		(8) Maximum (untreatable)
(7) Upper Extremity	(20) Burn		(7) Injured, unknown severity
(8) Lower Extremity	(30) Crush		
(9) Unspecified	(40) Degloving		
	(50) Injury - NFS		
	(90) Trauma, other than mechanical		
Type of Anatomic Structure	<u>Head - LOC</u>		Aspect
(1) Whole Area	(02) Length of LOC		(1) Right
(2) Vessels	(04, 08, 08) Level of Consciousness		(2) Left
(3) Nerves	(10) Concussion		(3) Bilateral
(4) Organs (includes muscles/ligaments)			(4) Central
(5) Skeletal (includes joints)			(5) Anterior
(6) Head - LOC			(6) Posterior
(9) Skin			(7) Superior
			(8) Inferior
			(9) Unknown
			(0) Whole region

Vessels, Nerves, Organs, Bones, Joints are assigned consecutive two digit numbers beginning with 02

Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

No

Yes
air bag activated

Blood Alcohol Level (mg/dl)

BAL = ____

Glasgow Coma Scale Score

GCSS = 3

Units of Blood Given

Units = ____

Arterial Blood Gases

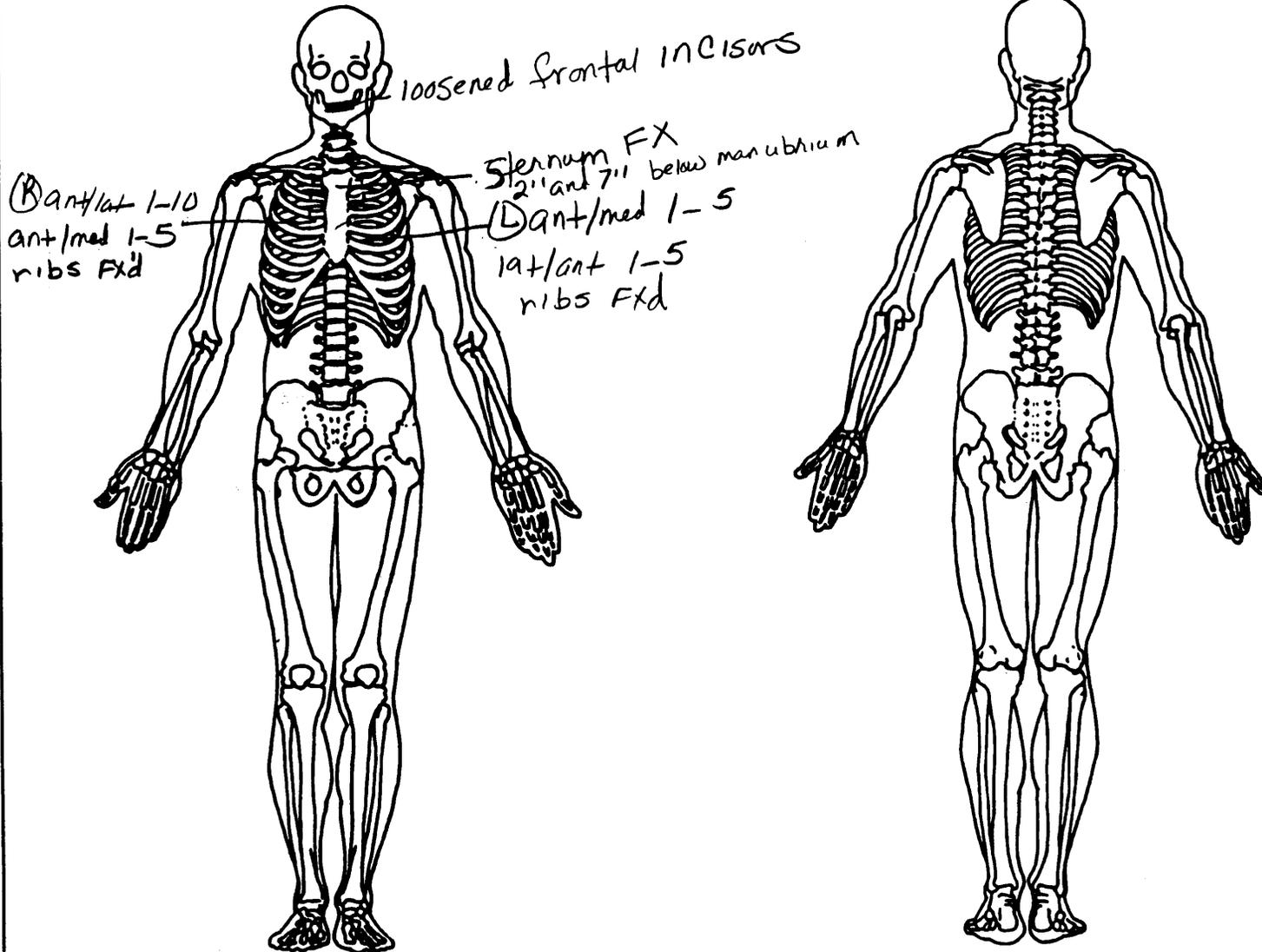
pH = ____

PO₂ = ____

PCO₂ = ____

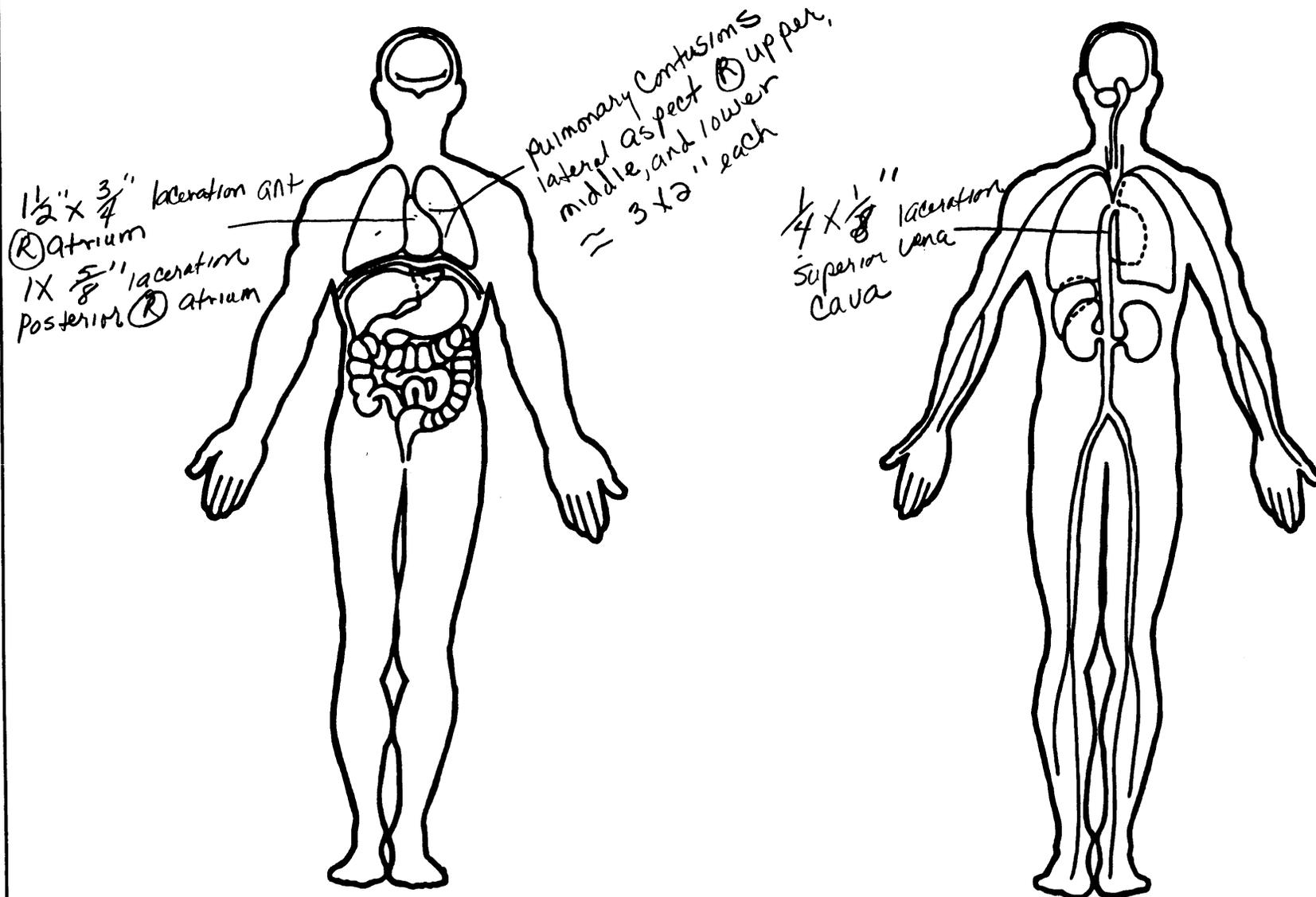
HCO₃ = ____

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



OFFICIAL INJURY DATA — INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





CRASHPC PROGRAM SUMMARY

(All Measurements in Metric)

Identifying Title
06 Primary Sampling Unit
006A Case No.-Stratum
01 Accident Event Sequence No.
 [Redacted] [Redacted] 93 Date (Month, day, year) of Run

CRASHPC Vehicle Identification
 Vehicle 1 90 Plymouth Acclaim 1
 Vehicle 2 _____ Tree _____ _____
 Year Make Model NASS Veh. No.

GENERAL INFORMATION

VEHICLE 1		VEHICLE 2	
Size	<u>3</u>	Size	<u>11</u>
Weight	<u>1295</u> + <u>73</u> + <u>0</u> = <u>1368</u> kg	Weight	_____ + _____ + _____ = _____ kg
CDC	<u>12 F Y E W 3</u>	CDC	_____
PDOF (-180 to +180)	<u>± 000</u> °	PDOF (-180 to +180)	_____ ± _____ °
Stiffness	<u>9</u>	Stiffness	_____

SCENE INFORMATION

Rest and Impact Positions [No, Go To Damage Information] [Yes

VEHICLE 1			VEHICLE 2		
Rest Position	X _____ m	Rest Position	X _____ m		
	Y _____ m		Y _____ m		
	PSI _____ °		PSI _____ °		
Impact Position	X _____ m	Impact Position	X _____ m		
	Y _____ m		Y _____ m		
	PSI _____ °		PSI _____ °		
Slip Angle(-180 to +180)	_____ °	Slip Angle (-180 to +180)	_____ °		

VEHICLE MOTION

Sustained Contact [No] [Yes

VEHICLE 1		VEHICLE 2	
Skidding (Rotation)	[<input type="checkbox"/> No] [<input type="checkbox"/> Yes	Skidding (Rotation)	[<input type="checkbox"/> No] [<input type="checkbox"/> Yes
Skidding Stop Before Rest	[<input type="checkbox"/> No] [<input type="checkbox"/> Yes	Skidding Stop Before Rest	[<input type="checkbox"/> No] [<input type="checkbox"/> Yes
End of Rotation Position	X _____ m	End of Rotation Position	X _____ m
	Y _____ m		Y _____ m
	PSI _____ °		PSI _____ °
Curved Path	[<input type="checkbox"/> No] [<input type="checkbox"/> Yes	Curved Path	[<input type="checkbox"/> No] [<input type="checkbox"/> Yes
Point on Path	X _____ m Y _____ m	Point on Path	X _____ m Y _____ m
Rotation Direction	[<input type="checkbox"/> None] [<input type="checkbox"/> CW] [<input type="checkbox"/> CCW	Rotation Direction	[<input type="checkbox"/> None] [<input type="checkbox"/> CW] [<input type="checkbox"/> CCW
Rotation >360°	[<input type="checkbox"/> No] [<input type="checkbox"/> Yes	Rotation >360°	[<input type="checkbox"/> No] [<input type="checkbox"/> Yes

FRICITION INFORMATION

TRAJECTORY INFORMATION

Coefficient of Friction _____
 Rolling Resistance Option _____

Vehicle 1 Rolling Resistance
 LF _____ RF _____
 LR _____ RR _____

Vehicle 2 Rolling Resistance
 LF _____ RF _____
 LR _____ RR _____

Trajectory Data [] No [] Yes
 If No, Go To Damage Information

Vehicle 1 Steer Angles
 LF _____ ° RF _____ °
 LR _____ ° RR _____ °

Vehicle 2 Steer Angles
 LF _____ ° RF _____ °
 LR _____ ° RR _____ °

Terrain Boundary [] No [] Yes

First Point
 X _____ m Y _____ m

Second Point
 X _____ m Y _____ m

Secondary Coefficient of Friction _____

DAMAGE INFORMATION

VEHICLE 1

VEHICLE 2

Damage Length L 136 cm

Damage Length L _____ cm

Crush Depths
 C₁ 28.5 cm
 C₂ 73.5 cm
 C₃ 75.5 cm
 C₄ 65.6 cm
 C₆ 41 cm
 C₈ 14 cm

Crush Depths
 C₁ _____ cm
 C₂ _____ cm
 C₃ _____ cm
 C₄ _____ cm
 C₆ _____ cm
 C₈ _____ cm

Damage Offset D 0 31 cm

Damage Offset D ⁺ _____ cm

IF THIS COMMON IMPACT WAS WITH A MOTOR VEHICLE NOT IN TRANSPORT, FILL IN THE INFORMATION BELOW.

Model Year: _____
 Make: _____
 Model: _____
 VIN: _____

The Weight, CDC, Scene Data and Damage Information for this vehicle should be recorded above.

Complete and ATTACH the appropriate vehicle damage sketch and dimensions to the Form.

SUMMARY OF CRASHPC RESULTS USING DAMAGE

06-006a-01

SPEED CHANGE
(DAMAGE)

VEHICLE #1

TOTAL 46 KPH (29 MPH)
LONGITUDINAL -46 KPH (-29 MPH)
LATITUDINAL 0 KPH (0 MPH)
PDOF ANGLE 0 DEGREES
ENERGY DISSIPATED = 121634 JOULES (89701 FT-LB)

VEHICLE #2

TOTAL 0 KPH (0 MPH)
LONGITUDINAL 0 KPH (0 MPH)
LATITUDINAL 0 KPH (0 MPH)
PDOF ANGLE 0 DEGREES
ENERGY DISSIPATED = 0 JOULES (0 FT-LB)

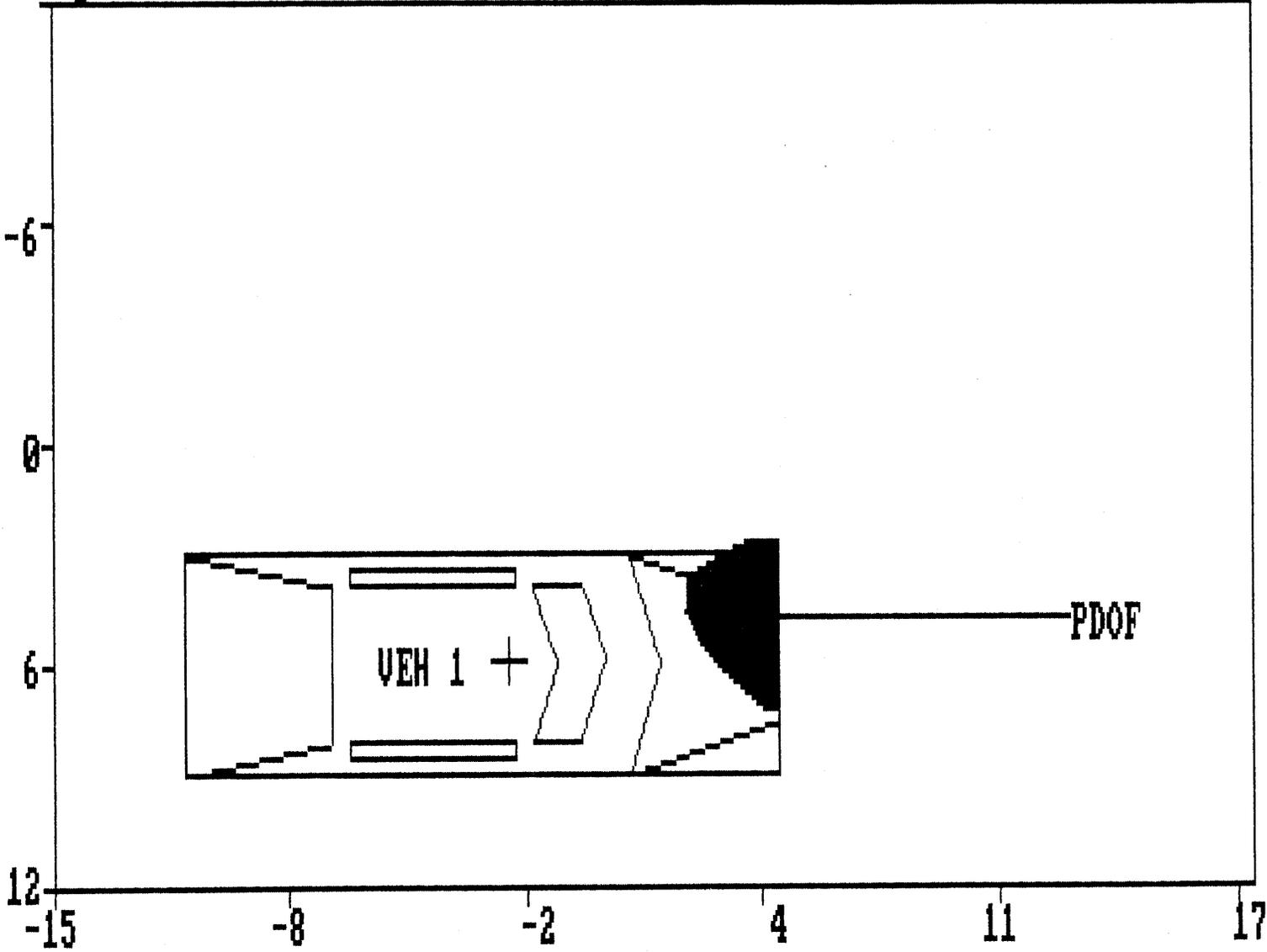
DAMAGE DATA

	VEHICLE #1	VEHICLE #2
SIZE CATEGORY	3	11
STIFFNESS CATEGORY	9	0
VEHICLE WEIGHT	1368 KGS (3016 LBS)	***** KGS (2204586 LBS) *
CDC	12FYEW3	BARRIER
PDOF ANGLE	0 DEGREES	0 DEGREES *
CRUSH LENGTH	136 CM. (54 IN.)	0 CM. (0 IN.) *
C1	29 CM. (11 IN.)	0 CM. (0 IN.) *
C2	74 CM. (29 IN.)	0 CM. (0 IN.) *
C3	76 CM. (30 IN.)	0 CM. (0 IN.) *
C4	66 CM. (26 IN.)	0 CM. (0 IN.) *
C5	41 CM. (16 IN.)	0 CM. (0 IN.) *
C6	14 CM. (6 IN.)	0 CM. (0 IN.) *
D	-31 CM. (-12 IN.)	0 CM. (0 IN.) *
D'	-38 CM. (-15 IN.)	0 CM. (0 IN.) *

(* INDICATES DEFAULT VALUE)

DIMENSIONS AND INERTIAL PROPERTIES

	VEHICLE #1	VEHICLE #2
CG TO FRONT AXLE	130 CM. (51 IN.)	127 CM. (50 IN.)
CG TO REAR AXLE	141 CM. (56 IN.)	127 CM. (50 IN.)
TRACK	150 CM. (59 IN.)	127 CM. (50 IN.)
CG TO FRONT OF VEH	228 CM. (90 IN.)	127 CM. (50 IN.)
CG TO REAR OF VEH	-270 CM. (-106 IN.)	-127 CM. (-50 IN.)
CG TO SIDE OF VEH	92 CM. (36 IN.)	127 CM. (50 IN.)
MOMENT OF INERTIA	11823 KGS (26065 LBS)	***** KGS (***** LBS)
VEHICLE MASS	4 KGS (8 LBS)	2600 KGS (5732 LBS)



DAMAGE DESCRIPTION

0
OCCUPANT INJURY Vehicle: 1 Occupant: 1

11

INTRA ERRORS

SE SHOWS A RESTRAINT AS THE INJURY SOURCE ***** OTT0541 2 ***** THIS CA
FOR AN AIS-2 (OR GREATER) INJURY. ***** TT0542 *****
R ACCURATE AND COMPLETED DOCUMENTS & DATA ***** TT0543 ***** CHECK FO
I12(n) equals 41, 42, 43 or 45 and A.I.S. ***** TT0544 ***** INJURY SOURCE O
) is greater than 1. TT0545 ***** SEVERITY OI10(n)

TT0541 2 ***** THIS CASE SHOWS A RESTRAINT AS THE INJURY SOURCE *****
TT0542 ***** FOR AN AIS-2 (OR GREATER) INJURY. *****
TT0543 ***** CHECK FOR ACCURATE AND COMPLETED DOCUMENTS & DATA *****
TT0544 ***** INJURY SOURCE OI12(n) equals 41, 42, 43 or 45 and A.I.S.
TT0545 ***** SEVERITY OI10(n) is greater than 1.

TT0541 2 ***** THIS CASE SHOWS A RESTRAINT AS THE INJURY SOURCE *****
TT0542 ***** FOR AN AIS-2 (OR GREATER) INJURY. *****
TT0543 ***** CHECK FOR ACCURATE AND COMPLETED DOCUMENTS & DATA *****
TT0544 ***** INJURY SOURCE OI12(n) equals 41, 42, 43 or 45 and A.I.S.
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TT0542 ***** FOR AN AIS-2 (OR GREATER) INJURY. *****
TT0543 ***** CHECK FOR ACCURATE AND COMPLETED DOCUMENTS & DATA *****
TT0544 ***** INJURY SOURCE OI12(n) equals 41, 42, 43 or 45 and A.I.S.
TT0545 ***** SEVERITY OI10(n) is greater than 1.

01

INTER ERRORS

OEHO011 2 If TREATMENT OAS5 equals 1, then 1st DEFORMATION EXTEN
T EV11 EH0012 should be greater than 03. GV=01 OA=01

PSU06
CASE 006A
CURRENT VERSION: 6.02

ERROR SUMMARY SCREEN

██████████/93

FORM NAME	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
Accident	0	0	0	N
General Vehicle	0	0	0	N
Vehicle Exterior	0	0	0	N
Vehicle Interior	0	0	0	Y
Occupant Assesment	0	0	1	N
Occupant Interior	0	0	8	N
Total Inter Errors		0	1	
Total Case Errors	0	0	10	

0
OCCUPANT INJURY Vehicle: 1 Occupant: 1

11

INTRA ERRORS

SE SHOWS A RESTRAINT AS THE INJURY SOURCE ***** OTT0541 2 ***** THIS CA
FOR AN AIS-2 (OR GREATER) INJURY. ***** TT0542 *****
R ACCURATE AND COMPLETED DOCUMENTS & DATA ***** TT0543 ***** CHECK FO
I12(n) equals 41, 42, 43 or 45 and A.I.S. ***** TT0544 ***** INJURY SOURCE O
) is greater than 1. TT0545 ***** SEVERITY OI10(n

TT0541 2 ***** THIS CASE SHOWS A RESTRAINT AS THE INJURY SOURCE *****
TT0542 ***** FOR AN AIS-2 (OR GREATER) INJURY. *****
TT0543 ***** CHECK FOR ACCURATE AND COMPLETED DOCUMENTS & DATA *****
TT0544 ***** INJURY SOURCE OI12(n) equals 41, 42, 43 or 45 and A.I.S.
TT0545 ***** SEVERITY OI10(n) is greater than 1.

TT0541 2 ***** THIS CASE SHOWS A RESTRAINT AS THE INJURY SOURCE *****
TT0542 ***** FOR AN AIS-2 (OR GREATER) INJURY. *****
TT0543 ***** CHECK FOR ACCURATE AND COMPLETED DOCUMENTS & DATA *****
TT0544 ***** INJURY SOURCE OI12(n) equals 41, 42, 43 or 45 and A.I.S.
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TT0542 ***** FOR AN AIS-2 (OR GREATER) INJURY. *****
TT0543 ***** CHECK FOR ACCURATE AND COMPLETED DOCUMENTS & DATA *****
TT0544 ***** INJURY SOURCE OI12(n) equals 41, 42, 43 or 45 and A.I.S.
TT0545 ***** SEVERITY OI10(n) is greater than 1.

01

INTER ERRORS

T EV11 OEHO011 2 If TREATMENT OA35 equals 1, then 1st DEFORMATION EXTEN
EH0012 should be greater than 03. GV=01 OA=01

PSU06
CASE 006A
CURRENT VERSION: 6.01

ERROR SUMMARY SCREEN

██████████/93

FORM NAME	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
Accident	0	0	0	Y
General Vehicle	0	0	0	Y
Vehicle Exterior	0	0	0	Y
Vehicle Interior	0	0	0	Y
Occupant Assesment	0	0	1	Y
Occupant Interior	0	0	6	Y
Total Inter Errors		0	1	
Total Case Errors	0	0	8	



PSU 06-006A (1993) #1



PSU 06-006A (1993) #2



PSU 08-008A (1993) #3



PSU 06-006A (1993) #4



PSU 06-006A (1983) #5



PSU 06-006A (1993) #6
Best Available



PSU 06-006A (1993) #7



PSU 06-006A (1993) #8
Best Available



PSU 06-006A (1993) #9



PSU 06-006A (1993) #10



PSU 06-006A (1993) #11



PSU 06-006A (1993) #12
Best Available



PSU 06-006A (1993) #13
Best Available



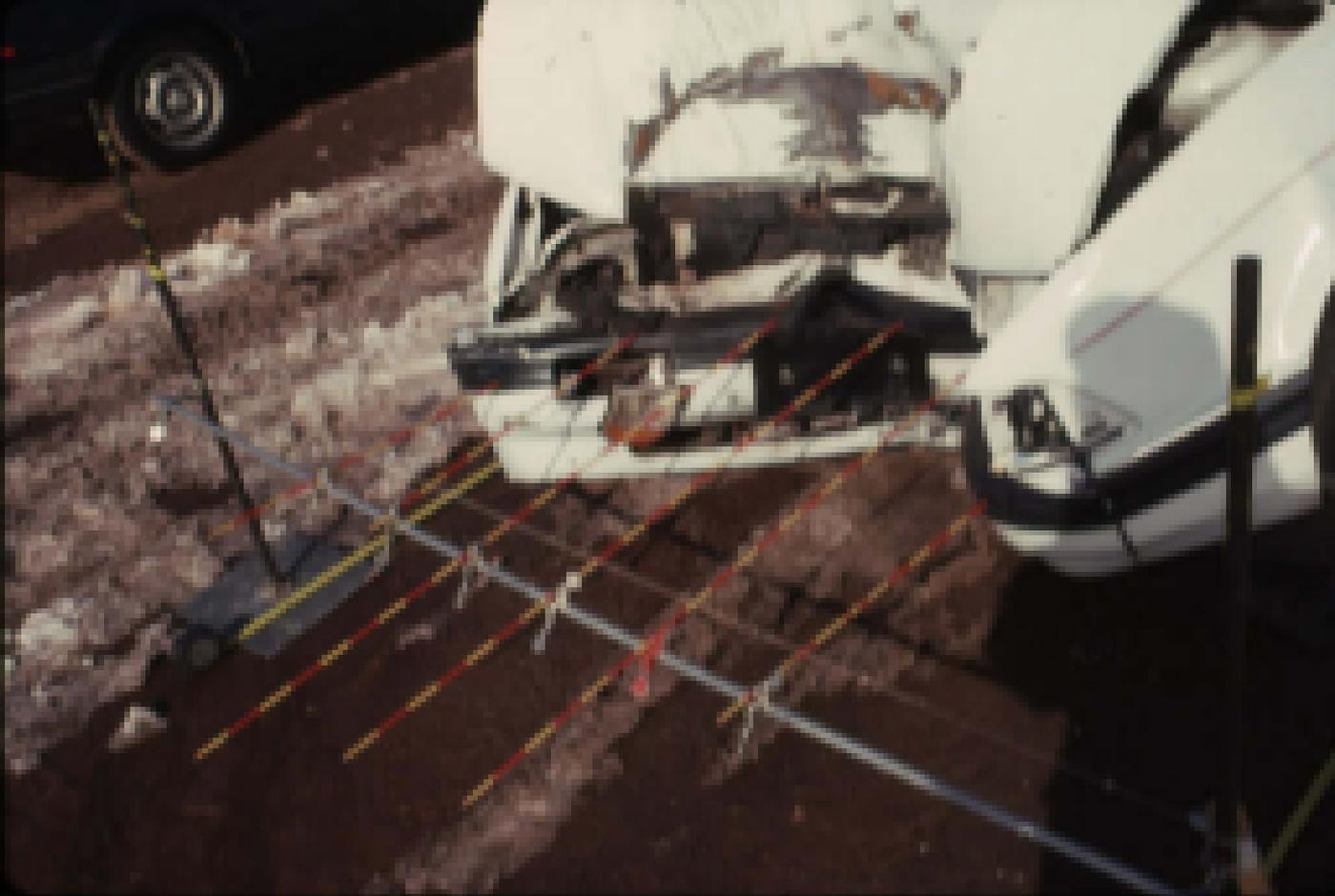
PSU 06-006A (1993) #14



PSU 06-006A (1993) #15



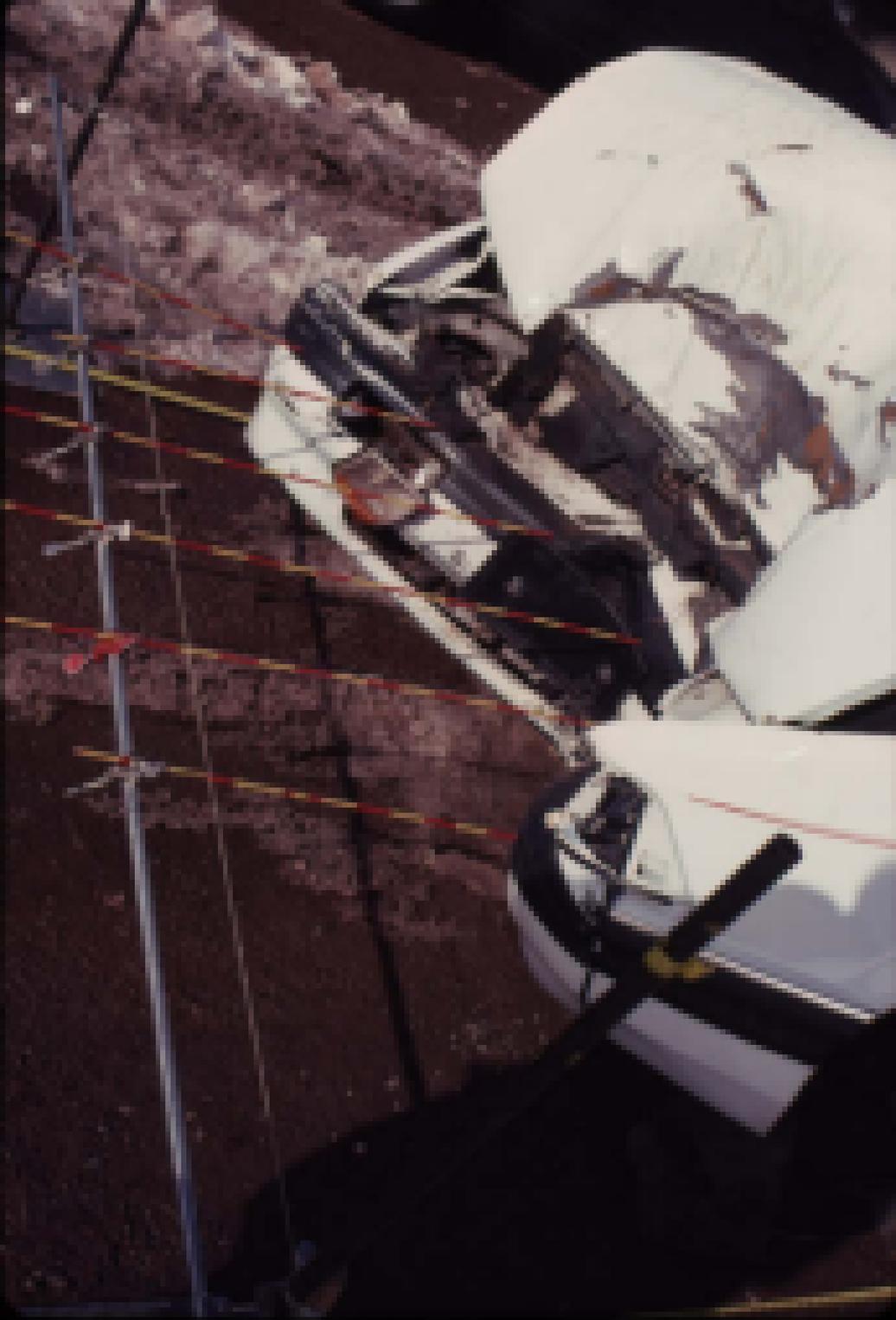
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PSU 06-006A (1993) #17



PSU 06-006A (1993) #18



PSU 06-006A (1993) #19



PSU 06-006A (1993) #20



PSU 06-006A (1993) #21



PSU 06-006A (1993) #22



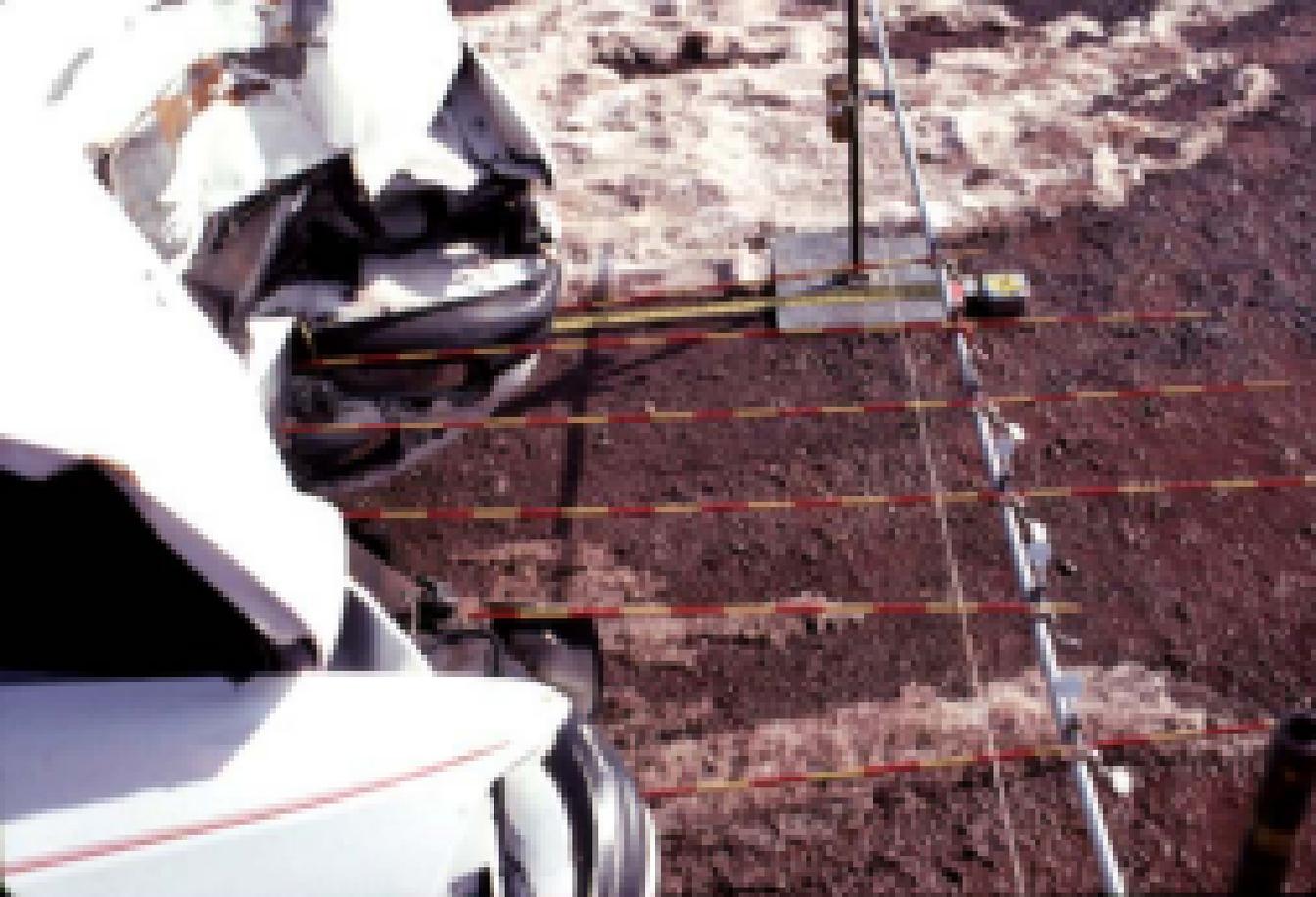
PSU 06-006A (1993) #23



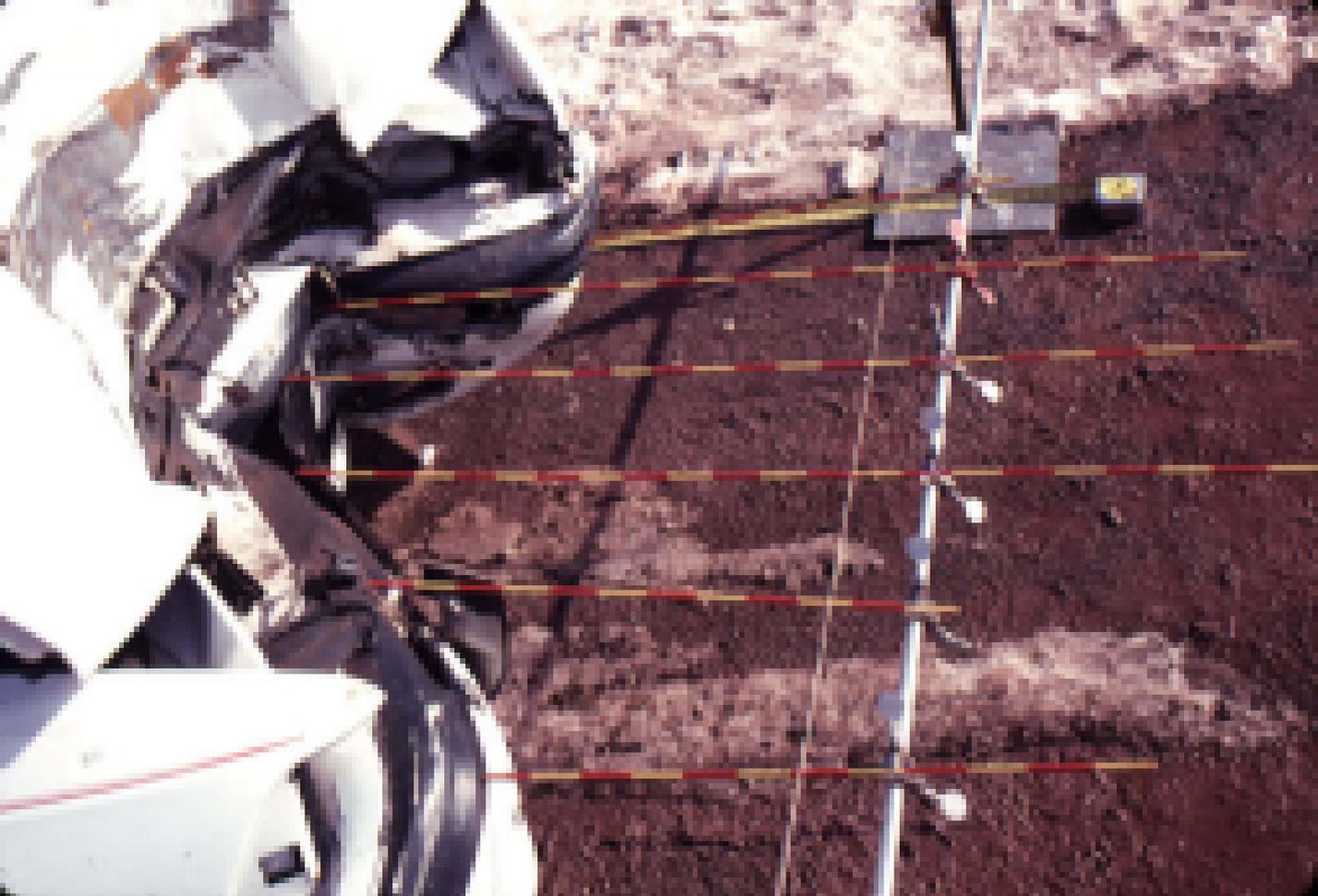
PSU 06-006A (1993) #24



PSU 06-006A (1993) #25



PSU 06-006A (1993) #26



PSU 06-006A (1993) #27



PSU 06-006A (1993) #28



PSU 06-006A (1993) #29



PSU 06-006A (1993) #30
Best Available



PSU 06-006A (1993) #31
Best Available



PSU 06-006A (1993) #32
Best Available



PSU 06-006A (1993) #33
Best Available



PSU 06-006A (1993) #34
Best Available



PSU 06-006A (1993) #35
Best Available



PSU 06-006A (1993) #36



PSU 06-006A (1993) #37
Best Available



PSU 06-006A (1993) #38
Best Available



PSU 06-006A (1993) #39
Best Available



PSU 06-006A (1993) #40
Best Available



PSU 06-006A (1993) #41
Best Available



PSU 06-006A (1993) #42
Best Available



PSU 06-006A (1993) #43
Best Available



PSU 06-006A (1993) #44
Best Available



PSU 06-006A (1993) #45
Best Available



PSU 06-006A (1993) #46
Best Available



PSU 06-006A (1993) #47
Best Available



PSU 06-006A (1993) #48
Best Available



PSU 06-006A (1993) #49
Best Available



PSU 06-006A (1993) #50
Best Available



PSU 06-006A (1993) #51
Best Available



PSU 06-006A (1993) #52
Best Available



PSU 06-006A (1993) #53
Best Available



PSU 06-006A (1993) #54
Best Available



PSU 06-006A (1993) #55
Best Available