



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.

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

PSU 11 CASE NO. 145A TYPE OF ACCIDENT Ford Mustang hits tree-rips apart

**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. Use reverse side if needed.)

The 18 year old driver was heading Westbound when the driver exited the roadway to the left. The 5.0 L Mustang struck two small posts with the front before impacting a utility pole with the left door area. The vehicle broke in two at the B pillar area, and struck five more objects before coming to rest. The restrained, airbag protected driver sustained fatal injuries, and was pronounced dead at the scene. A Potential Safety Bulletin has been filed.

**B. VEHICLE PROFILE(S)**

Vehicle No.	Class of Vehicle	Year/Make/Model	Most Severe Damage		Component Failure
			Damage Plane	Severity Description	
01	Compact	1991 Ford Mustang	Left	SEVERE	Frame broke at B Pillar

**C. PERSON PROFILE(S)**

Vehicle No.	Person Role	Seat Position	Restraint Use	Most Severe Injury			
				Body Region	Lesion	AIS	Injury Source
01	Driver	F-Left	L&Shoulder Deployed airbag	Neck	Fracture	2	UNKNOWN

**DO NOT SANITIZE THIS FORM**



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National Highway Traffic Safety  
Administration

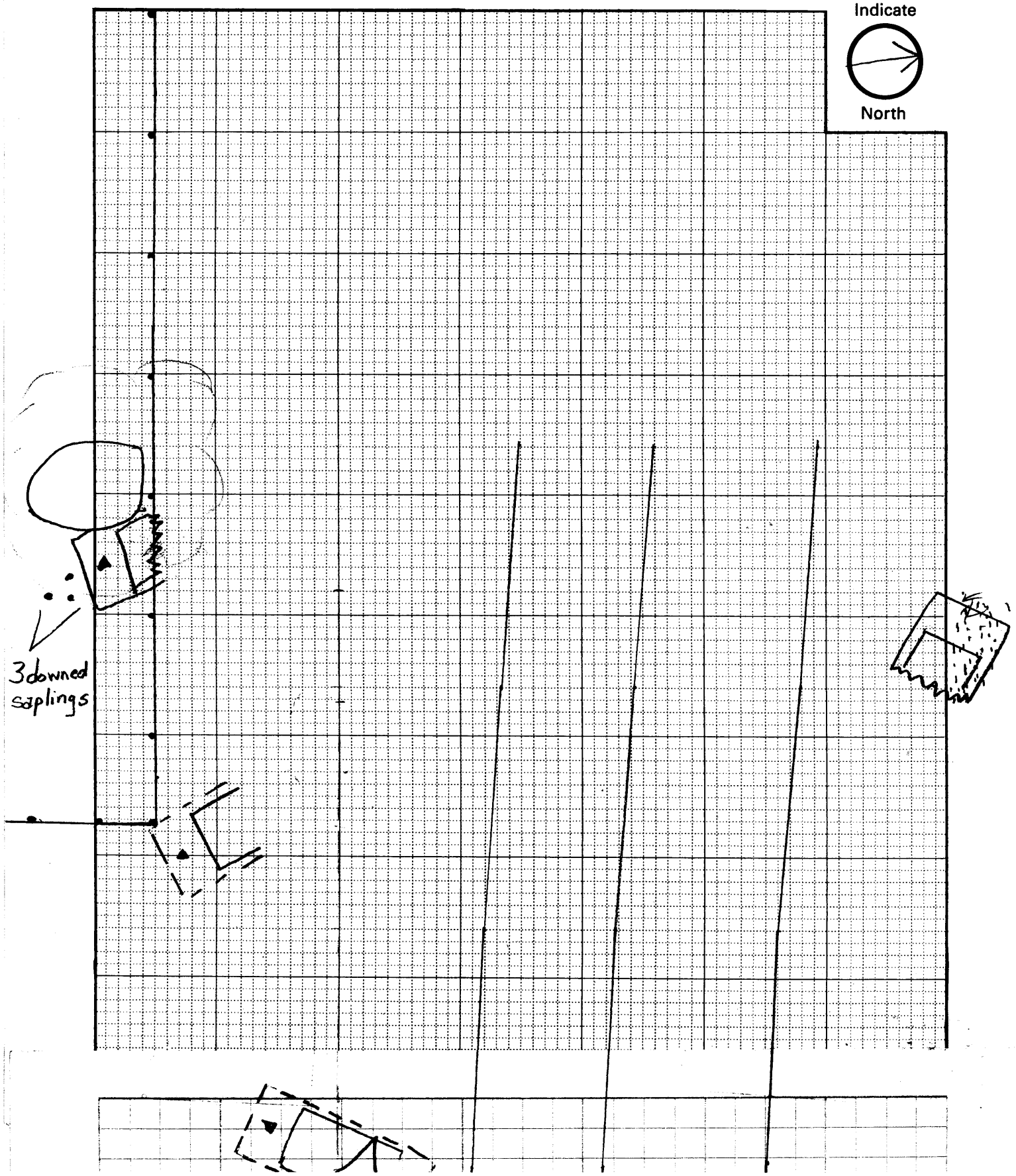
NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

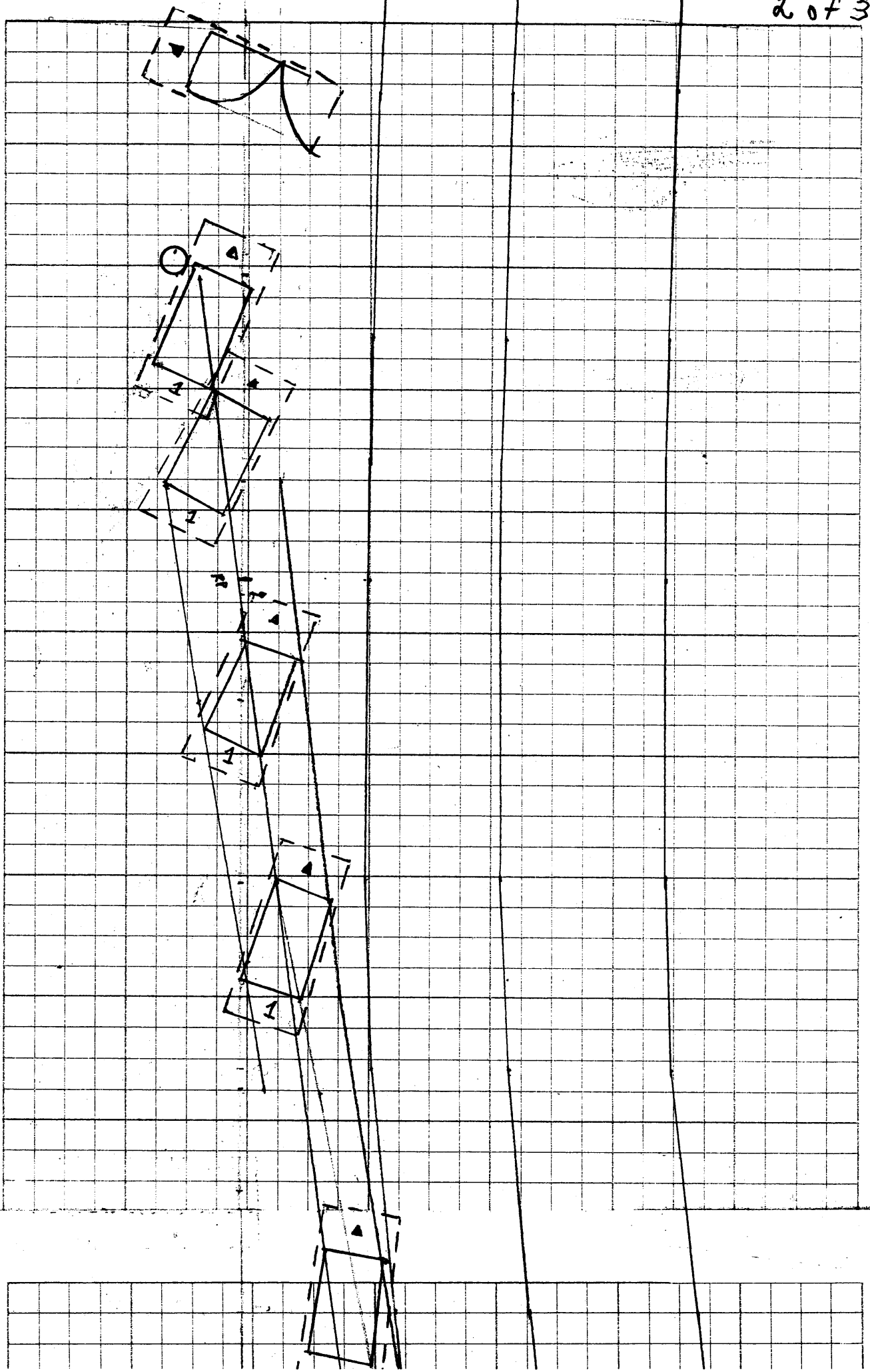
### ACCIDENT COLLISION DIAGRAM

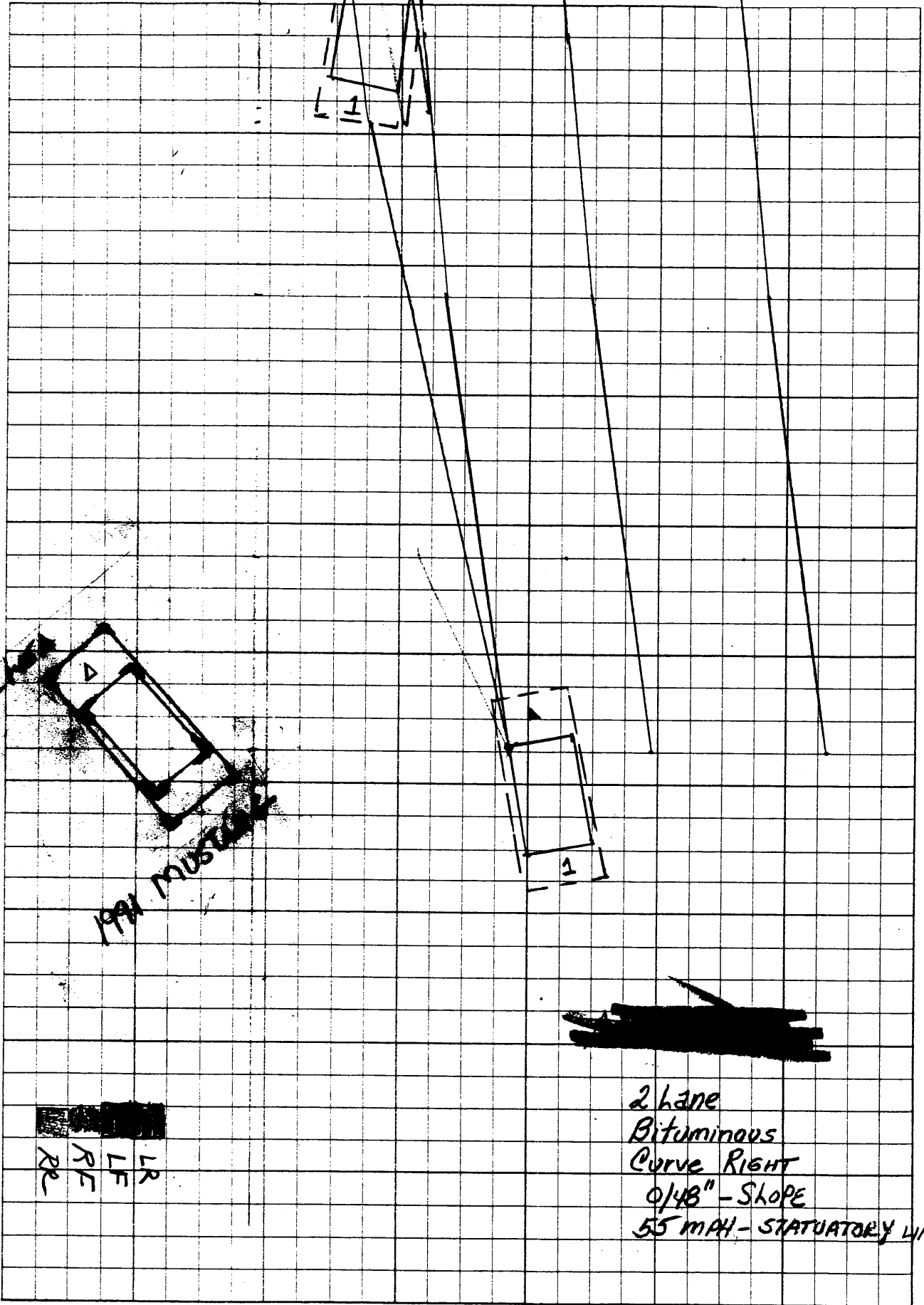
PSU No. 11

Case Number - Stratum 145A

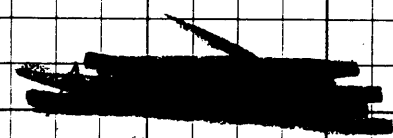
1" = 10'



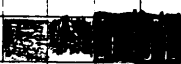




MUST



2 lane  
 Bituminous  
 Curve RIGHT  
 0/48" - Slope  
 55 MPH - STATUTORY LIMIT



LR  
 LF  
 RF  
 RE



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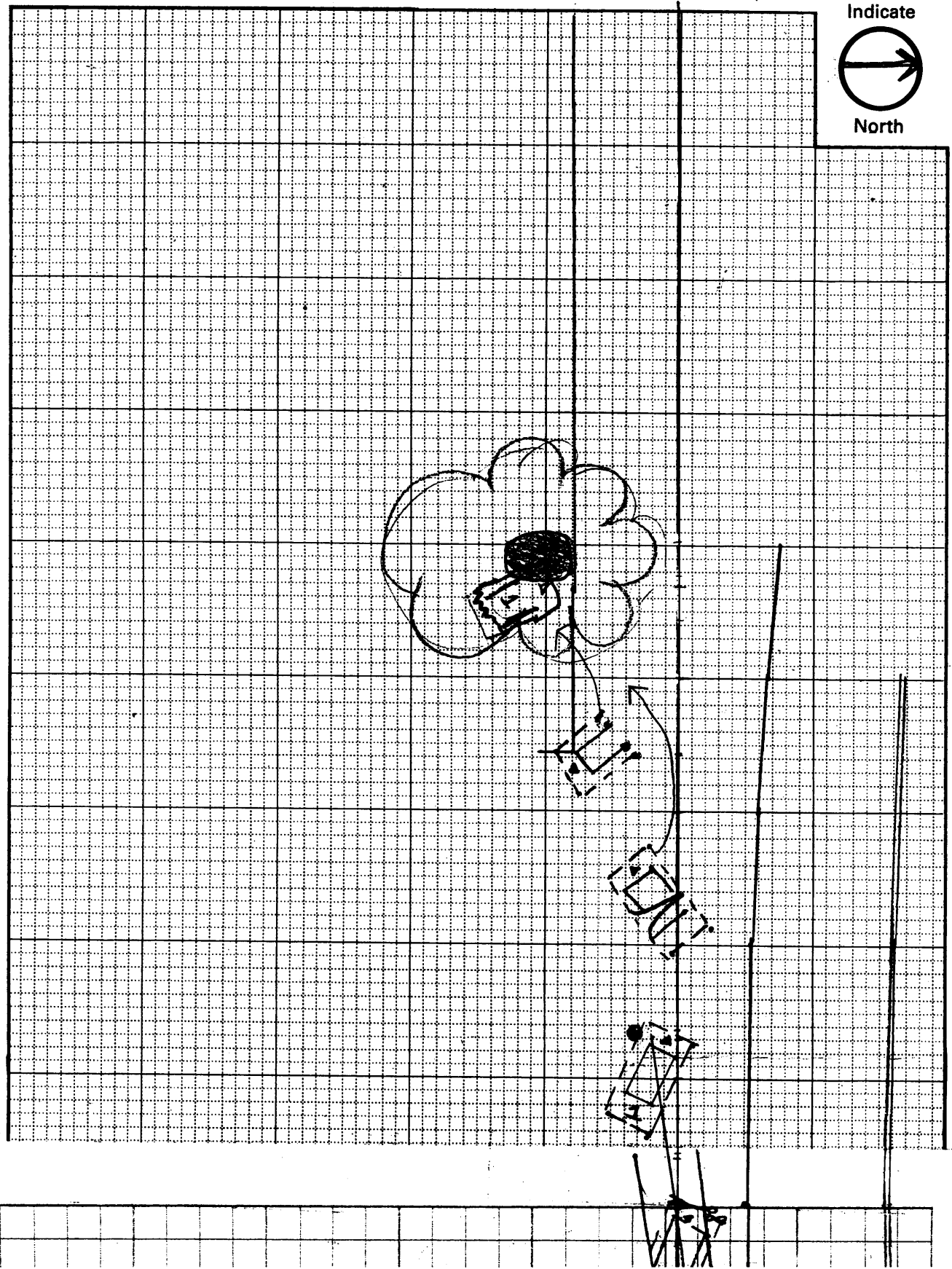
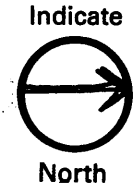
NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

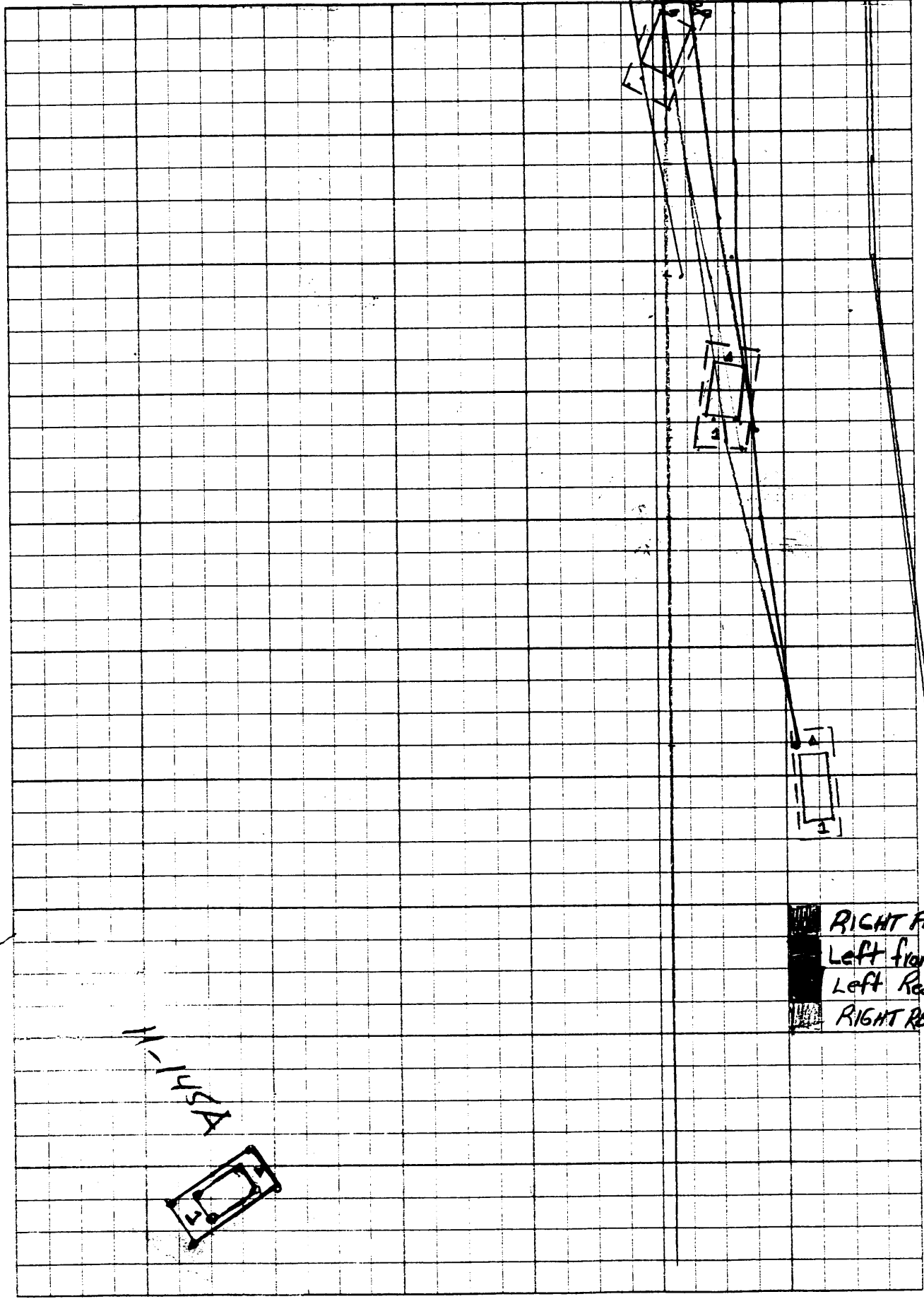
### ACCIDENT COLLISION DIAGRAM

PSU No. LL

Case Number - Stratum 145A

1" = 20'





RIGHT FRONT  
Left front  
Left Rear  
RIGHT REAR

A  
A

1" = 20'





US Department of Transportation  
National Highway Traffic Safety  
Administration

# ACCIDENT COLLISION MEASUREMENT TABLE

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

Primary Sampling Unit Number <u>11</u>		Case Number - Stratum <u>145A</u>															
<b>ACCIDENT COLLISION DIAGRAM</b>																	
<p style="text-align: center;"><b>LEVEL I PHYSICAL EVIDENCE ABSENT</b></p> <p>To be accomplished when there is no physical evidence present at the scene:</p> <ul style="list-style-type: none"> <li>*approximate vehicle orientation at impact and final rest</li> <li>*applicable road/roadway delineation (e.g., curbs/edge lines, lane markings, median markings, pavement markings, etc.)</li> <li>*applicable traffic controls (e.g., speed limit)</li> <li>*north arrow placed on diagram</li> <li>*sketch required</li> </ul>	<p style="text-align: center;"><b>LEVEL II (Cont'd) accomplished when physical evidence is present:</b></p> <ul style="list-style-type: none"> <li>*document reference point and reference line relative to physical features present at the scene</li> <li>*scaled documentation of all accident induced physical evidence</li> <li>*scaled documentation of all roadside objects contacted</li> <li>*roadway surface type and condition of applicable roadways</li> <li>*grade measurements for all applicable roadways</li> <li>*scaled representations of the vehicle(s) at pre-impact, impact, and final rest based upon either:               <ul style="list-style-type: none"> <li>a) physical evidence, or</li> <li>b) reconstructed accident dynamics</li> </ul> </li> </ul>	<p style="text-align: center;"><b>CRASH DATA</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">VEH. #1</td> <td style="text-align: left;">VEH. #2</td> <td style="text-align: left;">VEH. #3</td> </tr> <tr> <td>Heading Angle</td> <td><u>NA</u></td> <td>---</td> </tr> <tr> <td>Surface Type</td> <td><u>Bitum.</u></td> <td>---</td> </tr> <tr> <td>Surface Condition</td> <td><u>dry</u></td> <td>---</td> </tr> <tr> <td>Grade Measurement (v/h)</td> <td><u>0/48'</u></td> <td>---</td> </tr> </table>	VEH. #1	VEH. #2	VEH. #3	Heading Angle	<u>NA</u>	---	Surface Type	<u>Bitum.</u>	---	Surface Condition	<u>dry</u>	---	Grade Measurement (v/h)	<u>0/48'</u>	---
VEH. #1	VEH. #2	VEH. #3															
Heading Angle	<u>NA</u>	---															
Surface Type	<u>Bitum.</u>	---															
Surface Condition	<u>dry</u>	---															
Grade Measurement (v/h)	<u>0/48'</u>	---															
<p style="text-align: center;"><b>LEVEL II PHYSICAL EVIDENCE PRESENT</b></p> <p>In addition to the Level I tasks noted above, the following must be</p>																	

Reference Point: Replaced Mailbox at  
 Reference Line: Antihel Stagger line  
SW

Item	Distance and Direction from Reference Point	Distance and Direction from Reference Line
<u>Begin yellow (LR) M</u>	<u>41'10" E</u>	<u>1'9" N</u>
<u>Med yellow</u>	<u>10'2" E</u>	<u>3'6" S</u>
<u>End yellow</u>	<u>7'4" W</u>	<u>6'6" S</u>
<u>Begin Red (LF) M</u>	<u>115' E</u>	<u>19'5" N</u>
<u>Med Red / Med</u>	<u>67' E      2'4" E</u>	<u>8'4" N      0</u>
<u>End Red</u>	<u>25' W</u>	<u>3'7" S</u>
<u>Begin white (RR) M</u>	<u>15'8" E</u>	<u>11'2" N</u>
<u>Med white</u>	<u>4'2" E</u>	<u>6'7" N</u>
<u>End white (acc into rest)</u>	<u>24'6" E</u>	<u>2'5" N</u>
<u>Begin other yellow RF M</u>	<u>66' E</u>	<u>12'9" N</u>
<u>Med</u>	<u>32'9" E</u>	<u>8'0" N</u>
<u>End yellow</u>	<u>8' W</u>	<u>2'9" N</u>





# ACCIDENT FORM

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

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number 11  
2. Case Number - Stratum 145A

## SPECIAL STUDIES INDICATORS

Check (✓) each special study (SS12-SS16 below) that has been completed; code 1 for the checked special studies and 0 for the special studies not checked.

6. \_\_\_SS12 Not Active 1  
7. \_\_\_SS13 Not Active 0  
8. \_\_\_SS14 \_\_\_\_\_ 0  
9. \_\_\_SS15 \_\_\_\_\_ 0  
10. \_\_\_SS16 \_\_\_\_\_ 0

## IDENTIFICATION

3. Number of General Vehicle Forms Submitted 01  
4. Date of Accident (Month, Day, Year) 9 1  
5. Time of Accident 0243  
Code reported military time of accident.  
NOTE: Midnight - 2400  
Unknown - 9999

## NUMBER OF EVENTS

11. Number of Recorded Events in This Accident 08  
Code the number of events which occurred in this accident.

## ACCIDENT EVENTS

For each event that occurred in the accident, code the lowest numbered vehicle in the left columns and the other involved vehicle or object on the right.

Accident Event Sequence Number	Vehicle Number	Class of Vehicle	General Area of Damage	Vehicle Number or Object Contacted	Class of Vehicle	General Area of Damage
12. <u>0 1</u>	13. <u>01</u>	14. <u>100.5</u> <u>02</u>	15. <u>F</u>	16. <u>50</u> <i>1.75 green newspaper post</i>	17. <u>00</u>	18. <u>0</u>
19. <u>0 2</u>	20. <u>01</u>	21. <u>02</u>	22. <u>F</u>	23. <u>50</u> <i>3 1/2 x 3 1/2 post</i>	24. <u>00</u>	25. <u>0</u>
26. <u>0 3</u>	27. <u>01</u>	28. <u>02</u>	29. <u>L</u>	30. <u>51</u> <i>12" pole</i>	31. <u>00</u>	32. <u>0</u>
33. <u>0 4</u>	34. <u>01</u>	35. <u>02</u>	36. <u>R</u>	37. <u>57</u> <i>fence</i>	38. <u>00</u>	39. <u>0</u>
40. <u>0 5</u>	41. <u>01</u>	42. <u>02</u>	43. <u>9</u>	44. <u>41</u> <i>Small tree</i>	45. <u>00</u>	46. <u>0</u>

IF GREATER THAN FIVE EVENTS, CONTINUE CODING ON THE ACCIDENT EVENTS SUPPLEMENT

### CODES FOR CLASS OF VEHICLE

- (00) Not a motor vehicle
- (01) Subcompact/mini (wheelbase < 100 ")
- (02) Compact (wheelbase = 100 " - 104 ")
- (03) Intermediate (wheelbase = 105 " - 109 ")
- (04) Full size (wheelbase = 110 " - 114 ")
- (05) Largest (wheelbase ≥ 115 ")
- (09) Unknown passenger car size
- (11) Short utility vehicle
- (12) Truck based utility (≤10,000 lbs GVWR)
- (13) Passenger van (≤10,000 lbs GVWR)
- (14) Other van (≤10,000 lbs GVWR)
- (15) Pickup truck (≤10,000 lbs GVWR)
- (18) Other truck (≤10,000 lbs GVWR)
- (19) Unknown light truck type
- (20) School bus
- (21) Other bus
- (22) Truck (>10,000 lbs GVWR)
- (23) Tractor without trailer
- (24) Tractor-trailer(s)
- (25) Motored cycle
- (28) Other vehicle
- (99) Unknown

### CODES FOR GENERAL AREA OF DAMAGE (GAD)

#### CDC APPLICABLE AND OTHER VEHICLES

- (0) 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

- (0) 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 (≤4 inches in diameter)
- (42) Tree (>4 inches in diameter)
- (43) Shrubbery or bush
- (44) Embankment

(45) Breakaway pole or post (any diameter)

#### Nonbreakaway Pole or Post

- (50) Pole or post (≤4 inches in diameter)
- (51) Pole or post (>4 but ≤12 inches in diameter)
- (52) Pole or post (>12 inches in diameter)
- (53) Pole or post (diameter unknown)

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

- (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 02800
  - 2824 Code weight to nearest 100 pounds.
  - (010) Less than 1050 pounds
  - (135) 13,500 lbs or more
  - (999) Unknown

Source: 

- 20. Vehicle Cargo Weight 0000
  - Code weight to nearest 100 pounds.
  - (00) Less than 50 pounds
  - (97) 9,650 lbs or more
  - (99) 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

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 1
  - (0) No
  - (1) Yes
- 23. Post Collision Condition of Tree or Pole (for Highest Delta V) 2
  - (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

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

Category	Configuration	ACCIDENT TYPES (Includes Intent)				
I. Single Driver	A. Right Roadside Departure	01 DRIVE OFF ROAD	02 CONTROL/ TRACTION LOSS	03 AVOID COLLISION WITH VEH., PED., ANIM.	04 SPECIFICS OTHER	05 SPECIFICS UNKNOWN
	B. Left Roadside Departure	06 DRIVE OFF ROAD	07 CONTROL/ TRACTION LOSS	08 AVOID COLLISION WITH VEH., PED., ANIM.	09 SPECIFICS OTHER	10 SPECIFICS UNKNOWN
	C. Forward Impact	11 PARKED VEH.	12 STA. OBJECT	13 PEDESTRIAN/ ANIMAL	14 END DEPARTURE	15 SPECIFICS OTHER
II. Same Trafficway Same Direction	D. Rear-End	20 STOPPED 21, 22, 23	24 SLOWER 25, 26, 27	28 DECEL. 29, 30, 31	30 SPECIFICS OTHER	29 SPECIFICS UNKNOWN
	E. Forward Impact	34 CONTROL/ TRACTION LOSS	36 CONTROL/ TRACTION LOSS	38 AVOID COLLISION WITH VEH.	40 AVOID COLLISION WITH OBJECT	(EACH • 32) SPECIFICS OTHER (EACH • 33) SPECIFICS UNKNOWN
	F. Sideswipe Angle	44 45	46 47	(EACH • 48) SPECIFICS OTHER	(EACH • 49) SPECIFICS UNKNOWN	
III. Same Trafficway Opposite Direction	G. Head-On	50 LATERAL MOVE	(EACH • 52) SPECIFICS OTHER	(EACH • 53) SPECIFICS UNKNOWN		
	H. Forward Impact	54 CONTROL/ TRACTION LOSS	56 CONTROL/ TRACTION LOSS	58 AVOID COLLISION WITH VEH.	60 AVOID COLLISION WITH OBJECT	(EACH • 62) SPECIFICS OTHER (EACH • 63) SPECIFICS UNKNOWN
	I. Sideswipe Angle	64 LATERAL MOVE	(EACH • 66) SPECIFICS OTHER	(EACH • 67) SPECIFICS UNKNOWN		
IV. Change Trafficway Vehicle Turning	J. Turn Across Path	68 INITIAL OPPOSITE DIRECTIONS	70 INITIAL SAME DIRECTIONS	72 SPECIFICS OTHER	(EACH • 74) SPECIFICS OTHER	(EACH • 75) SPECIFICS UNKNOWN
	K. Turn Into Path	76 TURN INTO SAME DIRECTION	78 TURN INTO OPPOSITE DIRECTIONS	80 SPECIFICS OTHER	82 SPECIFICS OTHER	(EACH • 84) SPECIFICS OTHER (EACH • 85) SPECIFICS UNKNOWN
V. Intersecting Paths (Vehicle Damage)	L. Straight Paths	86 SPECIFICS OTHER	88 SPECIFICS OTHER	(EACH • 90) SPECIFICS OTHER	(EACH • 91) SPECIFICS UNKNOWN	
VI. Miscellaneous	M. Backing Etc.	92 BACKING VEH.	93 OTHER VEH. OR OBJECT	98 Other Accident Type 99 Unknown Accident Type 00 No Impact		



# EXTERIOR VEHICLE FORM

1. Primary Sampling Unit Number <u>11</u>	3. Vehicle Number <u>01</u>
2. Case Number - Stratum <u>145A</u>	

## VEHICLE IDENTIFICATION

VIN 1FACP41E6ME Model Year 1991  
 Vehicle Make (specify): FORD Vehicle Model (specify): MUSTANG 5.0

## 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
-29.25	A - white paint begins at FL corner 2" - extends down	(L) 6" 12-FLES-01
-5.25	B - Post - gas across wheel - y/B side 2" long - <del>24"</del> 24" in from FL corner	12-FCEN-1
	C - white paint (post) 21" long - begins 9" in from RF bumper corner	12-RFMS-1

## CRUSH PROFILE

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).

- D - brown paint - 10" long - begins 23" behind RF axle 12-RYES-01
  - E - Pale - 62" long (48" over 1/2 - 14" on back 1/2) begins 31" behind LF axle
- 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.

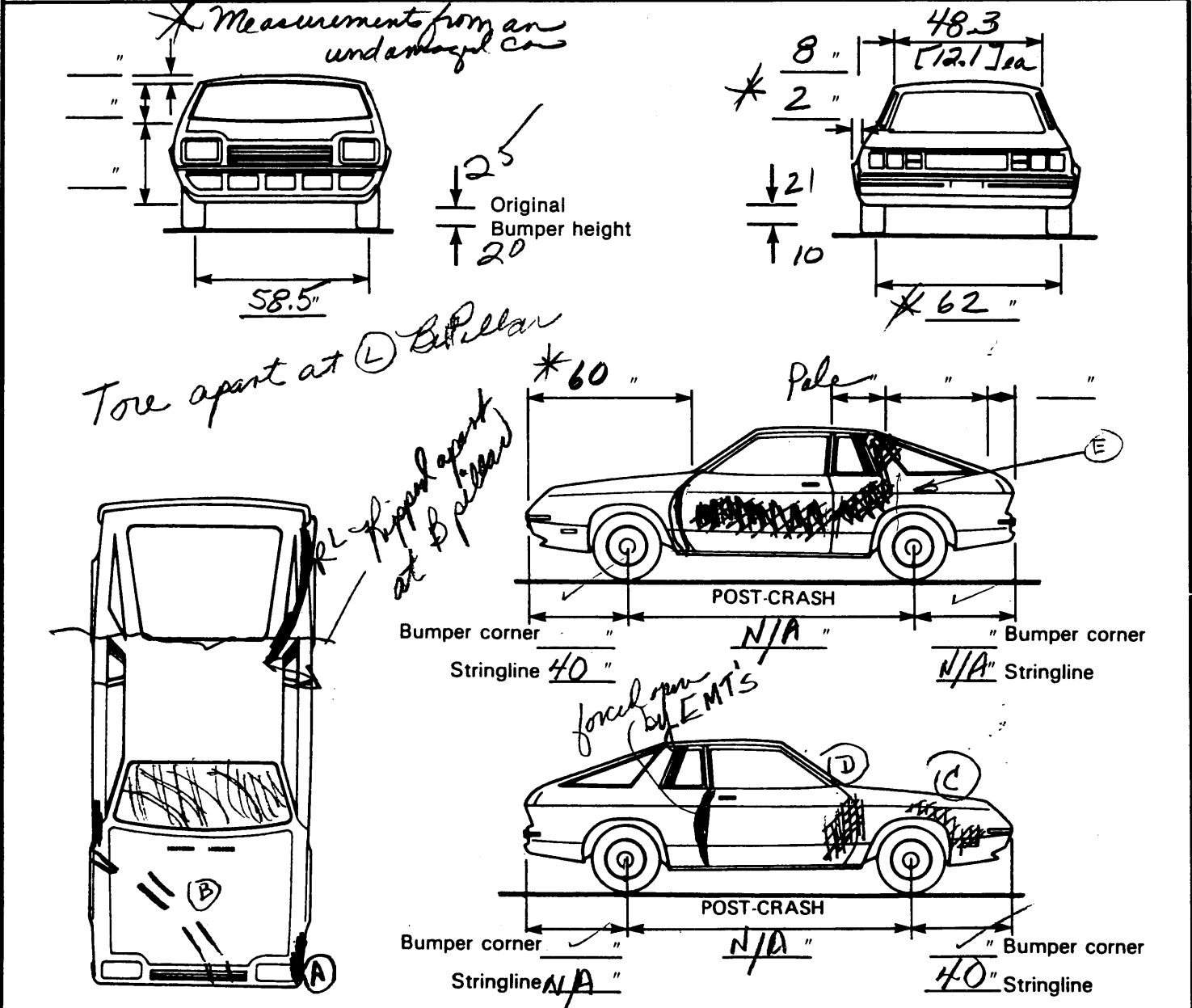
Use as many lines/columns as necessary to describe each damage profile.

Specific Impact Number	Plane of C-Measurements	Direct Damage		Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	±D
		Width (CDC)	Max Crush								
A-B	Bumper			58.5	5.5	2	1"	1.25	2.25	6	-29.25
A-B	Bumper	MASKED		58.5							
C	At sill	21"		21"	0	.25	.25	1"	1.25	1.75	
	Free space				0	0	0	.75	1	1.5	
C	Actual crush	21"		21"	0	.25	.25	.25	.25	.25	
D	Above Sill (Above Moldy)	10"	.5	10"	2.1	2.1	2.1	2.1			
D		10"	.5*		2	2	2	2			
E*	At sill	62"		48"	.1	.1	.1	.1			+12
	Free space		21"								
E*	At sill	62"	20"	48"	2.4"	23.5	20	16.25	13	8.75	
					3	3	3	3	3	3	

field (D) on F side - Max # Near Mirror 29 205 17 18.25 to 575  
 and on L Back to CDC → from ground (L side RL) to max crush

### VEHICLE DAMAGE SKETCH

TIRE - WHEEL DAMAGE		ORIGINAL SPECIFICATIONS		WHEEL STEER ANGLES	
a. Rotation physically restricted	b. Tire deflated	Wheelbase	8.4	100.5	(For locked front wheels or displaced rear axles only)
RF <u>2</u>	RF <u>2</u>	Overall Length	15'	179.6	RF ± _____ °
LF <u>2</u>	LF <u>2</u>	Maximum Width	5.7'	68.3	LF ± _____ °
RR <u>2</u>	RR <u>2</u>	Curb Weight		2824	RR ± _____ °
LR <u>2 - axle gone</u>	LR <u>2</u>	Average Track	5 1/3		LR ± _____ °
(1) Yes (2) No (8) NA (9) Unk.		Front Overhang	49 3/8	40	Within ± 5 degrees
TYPE OF TRANSMISSION		Rear Overhang	41 5/8	39.1	DRIVE WHEELS
<input checked="" type="checkbox"/> Manual <input type="checkbox"/> Automatic		Engine Size: cyl./ displ.		5.0L V8	<input type="checkbox"/> FWD <input checked="" type="checkbox"/> RWD <input type="checkbox"/> 4WD
		Undeformed End Width		* 60.5	Approximate Cargo Weight _____



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 sidewall, 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 11

2. Case Number - Stratum 145A

3. Vehicle Number 01

## INTEGRITY

4. Passenger Compartment Integrity 98

(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

*Claw ripped apart  
at B-pillar  
LF window  
RF window*

*LF window  
RB window  
Surrog popped off but  
not fix  
with OK*

Door, Tailgate Or Hatch Opening

5. LF 2 6. RF 3 7. LR 0 8. RR 0 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 5 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 6 17. RF 6 18. LR 6 19. RR 6

20. BL 0 21. Roof 40 22. Other 8

(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 IV 31 Through IV 46 As 0

Type of Window/Windshield Glazing

31. WS 1 32. LF 2 33. RF 2 34. LR 2 35. RR 2

36. BL 0 37. Roof 40 38. Other 0

(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 Precrash Glazing Status

39. WS 1 40. LF 2 41. RF 2 42. LR 1 43. RR 1

44. BL 0 45. Roof 40 46. Other 0

(0) No glazing contact and no damage, or no glazing

(1) Fixed

(2) Closed

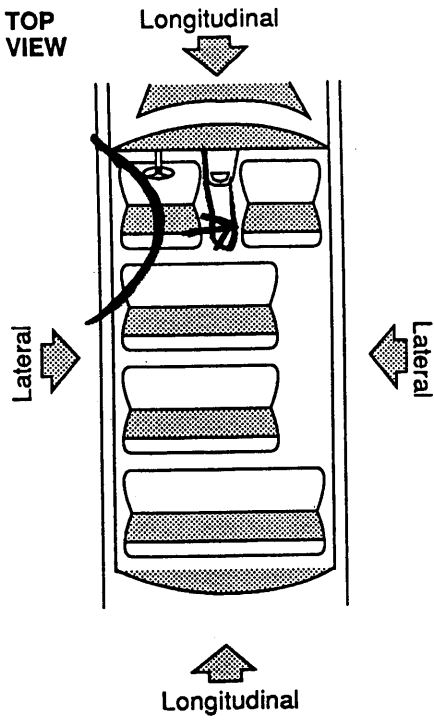
(3) Partially opened

(4) Fully opened

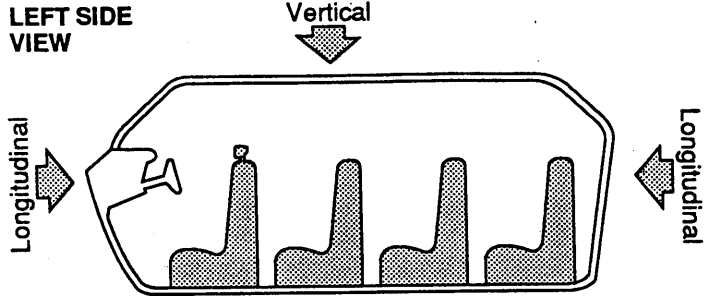
(9) Unknown

# INTRUSION WORK SHEET

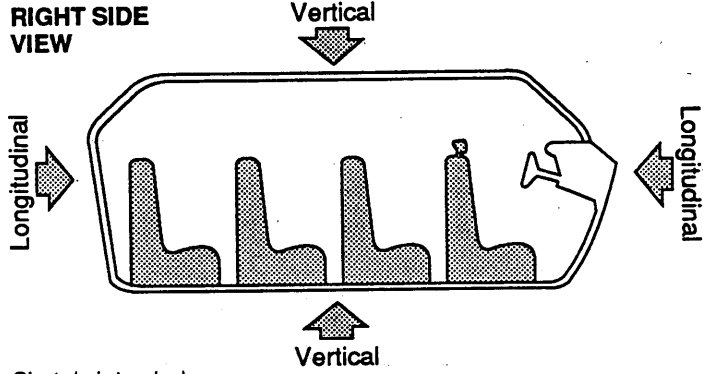
TOP VIEW



LEFT SIDE VIEW



RIGHT SIDE VIEW



Note: Sketch intruded areas

LOCATION OF INTRUSION	INTRUDED COMPONENT	COMPARISON VALUE	-	INTRUDED VALUE	=	INTRUSION	DOMINANT CRUSH DIRECTION
1-1	Ⓛ door panel	26	-	19	=	7	Lat
1-1	Ⓛ Sill	26	-	9	=	17	Lat!
1-1	Toe Pan	16	-	12	=	4"	Vert
1-1	Roof	55 ground	-	36	=	19	Vert
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		
			-		=		

Document no more than the 15 most severe intrusions

18 y.o. → Ad car 4 mo. Relatives  
 6'2" - 185 lbs  
 M of floor full snapped neck - broken  
 as leg  
 head of  
 piece  
 head, and  
 part  
 was

**OCCUPANT AREA INTRUSION**

Note: If no intrusions, leave variables IV 47-IV 86 blank.

	Location of Intrusion	Intruding Component	Magnitude of Intrusion	Dominant Crush Direction
1st	47. <u>11</u>	48. <u>12</u>	49. <u>5</u>	50. <u>1</u>
2nd	51. <u>12</u>	52. <u>12</u>	53. <u>5</u>	54. <u>1</u>
3rd	55. <u>13</u>	56. <u>12</u>	57. <u>5</u>	58. <u>3</u>
4th	59. <u>11</u>	60. <u>17</u>	61. <u>4</u>	62. <u>3</u>
5th	63. <u>11</u>	64. <u>10</u>	65. <u>3</u>	66. <u>3</u>
6th	67. <u>11</u>	68. <u>05</u>	69. <u>2</u>	70. <u>1</u>
7th	71. _____	72. _____	73. _____	74. _____
8th	75. _____	76. _____	77. _____	78. _____
9th	79. _____	80. _____	81. _____	82. _____
10th	83. _____	84. _____	85. _____	86. _____

**LOCATION OF INTRUSION**

- |   |  |
|---|--|
| <p>Front Seat</p> <ul style="list-style-type: none"> <li>(11) Left</li> <li>(12) Middle</li> <li>(13) Right</li> </ul>  | <p>Fourth Seat</p> <ul style="list-style-type: none"> <li>(41) Left</li> <li>(42) Middle</li> <li>(43) Right</li> </ul>                      |
| <p>Second Seat</p> <ul style="list-style-type: none"> <li>(21) Left</li> <li>(22) Middle</li> <li>(23) Right</li> </ul> | <ul style="list-style-type: none"> <li>(97) Catastrophic</li> <li>(98) Other enclosed area (specify): _____</li> <li>(99) Unknown</li> </ul> |
| <p>Third Seat</p> <ul style="list-style-type: none"> <li>(31) Left</li> <li>(32) Middle</li> <li>(33) Right</li> </ul>  |  |

**INTRUDING COMPONENT**

- Interior Components
- (01) Steering assembly
  - (02) Instrument panel left
  - (03) Instrument panel center
  - (04) Instrument panel right
  - (05) Toe pan
  - (06) A-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-pillar
  - (28) Side panel - rear of the A-pillar
- Exterior Components
- (30) Hood
  - (31) Outside surface of 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) ≥ 1 inch but < 3 inches
- (2) ≥ 3 inches but < 6 inches
- (3) ≥ 6 inches but < 12 inches
- (4) ≥ 12 inches but < 18 inches
- (5) ≥ 18 inches but < 24 inches
- (6) ≥ 24 inches
- (7) Catastrophic
- (9) Unknown

**DOMINANT CRUSH DIRECTION**

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

# STEERING RIM/SPOKE DEFORMATION

COMPARISON VALUE	-	DAMAGE VALUE	=	DEFORMATION
	-		=	
	-		=	
	-		=	
	-		=	

Large empty rectangular area for notes or data entry.

**STEERING COLUMN**

87. Steering Column Type 2  
 (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 1988-90 CDS.)

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


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

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

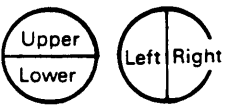
92. Steering Rim/Spoke Deformation 0  
 \_\_\_\_\_ Code actual measured deformation to the nearest inch.  
 (0) No steering rim deformation  
 (1-5) Actual measured value  
 (6) 6 inches or more  
 (8) Observed deformation cannot be measured  
 (9) Unknown

93. Location of Steering Rim/Spoke Deformation 00  
 (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 006,000  
6449.6 miles - Code mileage to the nearest 1,000 miles  
 (000) No odometer  
 (001) Less than 1,500 miles  
 (300) 299,500 miles or more  
 (999) Unknown  
 Source: \_\_\_\_\_

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

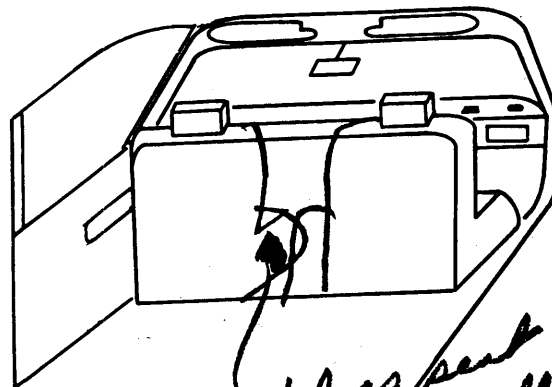
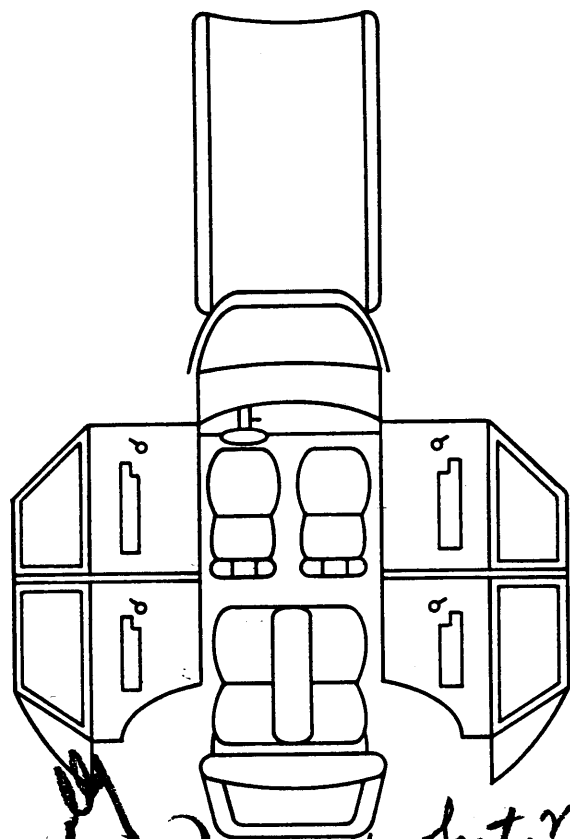
96. Knee Bolsters Deformed from Occupant Contact? 0  
 (0) No  
 (1) Yes  
 (8) Not present  
 (9) Unknown

*Cannot even find cloth transfers*

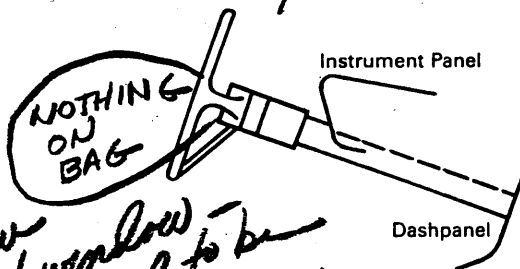
97. Did Glove Compartment Door Open During Collision(s)? 0  
 (0) No  
 (1) Yes  
 (8) Not present  
 (9) Unknown

### VEHICLE INTERIOR SKETCHES

Note area of ejection/entrapment

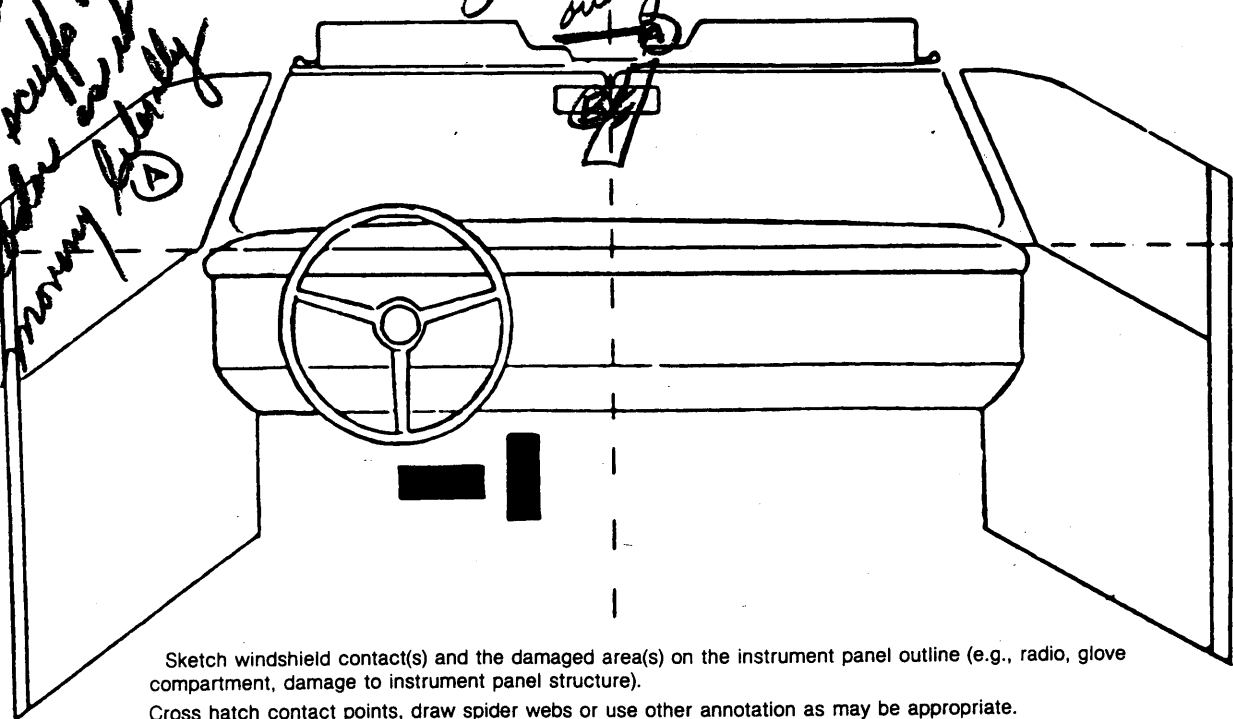


*stuffed as seat  
shoved laterally  
into console*



*Top of seat actually  
fell over on  
driver's side  
moving laterally  
A*

*Top of seat now  
out sunroof window -  
O's head had to be  
out of car at some  
point*



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	02	1	head	adjust/cracked	1
B					
C					
D					
E					
F					
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-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify):  
\_\_\_\_\_

**LEFT SIDE**

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify):  
\_\_\_\_\_
- (25) Left side window glass or frame

**RIGHT SIDE**

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (27) Other left side object (specify):  
\_\_\_\_\_
- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A 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-pillar, B-pillar, or roof side rail
- (37) Other right side object (specify):  
\_\_\_\_\_

**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
- (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
- (4) Unknown



# AUTOMATIC RESTRAINTS

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

		Left	Center	Right
F I R S T	Availability			
	Function			
	Failure			

### AIR BAGS

#### 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
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (9) Unknown

#### Did Air Bag System Fail?

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

### AUTOMATIC BELTS

#### 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 hip 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

## 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
<b>F I R S T</b>	Availability/Function	1	0
	Deployment	1	0
	Failure	1	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

**Did Air Bag System Fail?**

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify): \_\_\_\_\_

- (9) Unknown \_\_\_\_\_

**Air Bag System Deployment**

- (0) Not equipped/not available
- (1) Air bag deployed during accident
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (9) Unknown

### AUTOMATIC BELTS

		Left	Right
<b>F I R S T</b>	Availability/Function	<del> </del>	<del> </del>
	Use	<del> </del>	<del> </del>
	Type	<del> </del>	<del> </del>
	Proper Use	<del> </del>	<del> </del>
	Failure Modes	<del> </del>	<del> </del>

**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

**MANUAL RESTRAINTS**

NOTES: Encode the applicable data for each seat position in the vehicle. The attributes for the variables 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	<del>CONSOLE</del>	4
	Use	04 cut		04
	Failure Modes	1		0
SECOND	Availability	4	<del></del>	4
	Use	00		00
	Failure Modes	0		0
THIRD	Availability		<del></del>	
	Use			
	Failure Modes			
OTHER	Availability		<del></del>	
	Use			
	Failure Modes			

**Manual (Active) Belt System Availability**

- (0) Not available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available – type unknown
- (8) Other belt (specify):  
\_\_\_\_\_

(9) Unknown

**Manual (Active) Belt System Use**

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (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

## 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						
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
- (03) Other orientation (specify):  
\_\_\_\_\_
- (04) 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 attributes 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	<del>          </del>	3
	Seat Type	02	<del>          </del>	02
	Seat Performance	6	<del>          </del>	1
SECOND	Head Restraint Type/Damage	0	<del>          </del>	0
	Seat Type		<del>          </del>	
	Seat Performance	6	<del>          </del>	6
THIRD	Head Restraint Type/Damage	<i>Look at slides!</i>		
	Seat Type	<i>Look at slides!</i>		
	Seat Performance	<i>Look at slides!</i>		
OTHER	Head Restraint Type/Damage			
	Seat Type			
	Seat Performance			

**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 Performance (This Occupant Position)**

- (0) No seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks failed
- (4) Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify):  
① door, ② side, floor

**Seat Type (This Occupant Position)**

- (00) 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., van type)
- (09) Other seat type (specify): \_\_\_\_\_
- (99) Unknown

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

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

### EJECTION/ENTRAPMENT DATA

Complete the following if the researcher has any indications 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	1					
Ejection	2					
(Note on Vehicle Interior Sketch) Ejection Area	7					
Ejection Medium	2					
Medium Status	2 – Popped open during crash					

<p><b>Ejection</b></p> <p>(1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown</p> <p><b>Ejection Area</b></p> <p>(1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear</p>	<p>(7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): _____</p> <p>(9) Unknown</p> <p><b>Ejection Medium</b></p> <p>(1) Door hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): _____</p>	<p>(5) Integral structure (8) Other medium (specify): _____</p> <p>(9) Unknown</p> <p><b>Medium Status (Immediately Prior to Impact)</b></p> <p>(1) Open (2) Closed (3) Integral structure (9) Unknown</p>
--	--	--

**ENTRAPMENT**      No []      Yes [ ]

Describe entrapment mechanism: \_\_\_\_\_

---



---



---

Component(s): \_\_\_\_\_

---

(Note in vehicle interior diagram)

26. Seat Type (This Occupant Position) 02

(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., van type)  
 (09) Other seat type (specify):  
 \_\_\_\_\_  
 (99) Unknown

27. Seat Performance (This Occupant Position) 6

(0) Occupant not seated or no seat  
 (1) No seat performance failure(s)  
 (2) Seat adjusters failed  
 (3) Seat back folding locks 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

**CHILD SAFETY SEAT**

28. Child Safety Seat Make/Model 000

(000) No child safety seat  
 Applicable codes are found in your NASS CDS Data Collection, Coding, and Editing Manual  
 (997) Other make/model (specify):  
 \_\_\_\_\_  
 (998) Unknown make/model  
 (999) Unknown if child safety seat used

29. Type of Child Safety Seat 0

(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

30. Child Safety Seat Orientation 00

(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

31. Child Safety Seat Harness Usage 00

32. Child Safety Seat Shield Usage 00

33. Child Safety Seat Tether Usage 00

Note: Options below applicable to Variables OA31-OA33.  
 (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



### OCCUPANT INJURY FORM

1. Primary Sampling Unit Number	<u>11</u>	3. Vehicle Number	<u>01</u>
2. Case Number—Stratum	<u>145A</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.

	O.I.C.—A.I.S.					Injury Source	Injury Source Confidence Level	Direct/Indirect Injury	Occupant Area Intrusion No.	
	Source of Injury Data	Body Region	Aspect	Lesion	System Organ					A.I.S. Severity
1st	5. <u>7</u>	6. <u>N</u>	7. <u>P</u>	8. <u>F</u>	9. <u>S</u>	10. <u>2</u>	11. <u>97</u>	12. <u>9</u>	13. <u>7</u>	14. <u>99</u>
2nd	15. <u>7</u>	16. <u>U</u>	17. <u>U</u>	18. <u>F</u>	19. <u>S</u>	20. <u>7</u>	21. <u>97</u>	22. <u>9</u>	23. <u>7</u>	24. <u>99</u>
3rd	25. ___	26. ___	27. ___	28. ___	29. ___	30. ___	31. ___	32. ___	33. ___	34. ___
4th	35. ___	36. ___	37. ___	38. ___	39. ___	40. ___	41. ___	42. ___	43. ___	44. ___
5th	45. ___	46. ___	47. ___	48. ___	49. ___	50. ___	51. ___	52. ___	53. ___	54. ___
6th	55. ___	56. ___	57. ___	58. ___	59. ___	60. ___	61. ___	62. ___	63. ___	64. ___
7th	65. ___	66. ___	67. ___	68. ___	69. ___	70. ___	71. ___	72. ___	73. ___	74. ___
8th	75. ___	76. ___	77. ___	78. ___	79. ___	80. ___	81. ___	82. ___	83. ___	84. ___
9th	85. ___	86. ___	87. ___	88. ___	89. ___	90. ___	91. ___	92. ___	93. ___	94. ___
10th	95. ___	96. ___	97. ___	98. ___	99. ___	100. ___	101. ___	102. ___	103. ___	104. ___

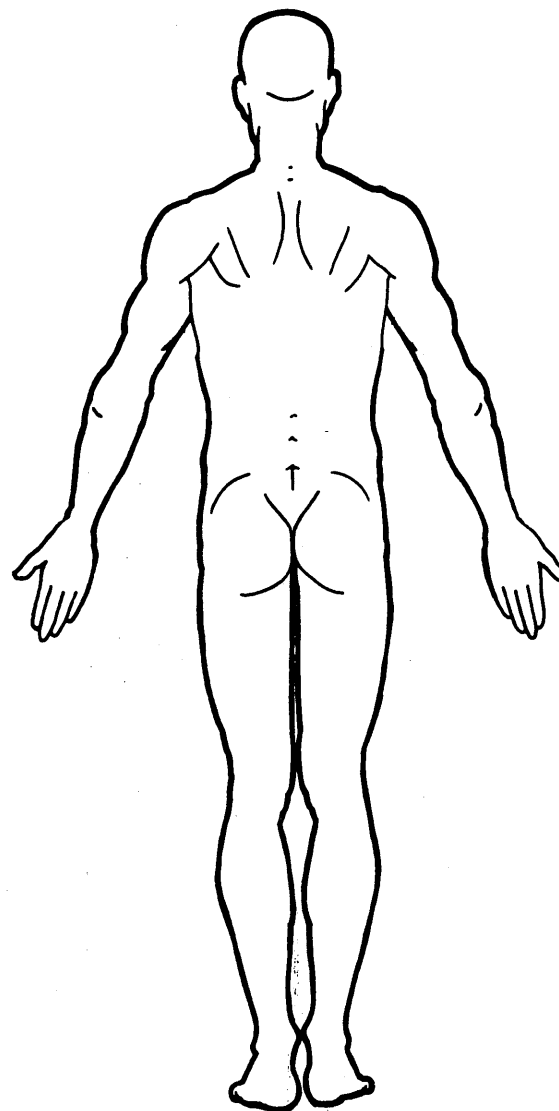
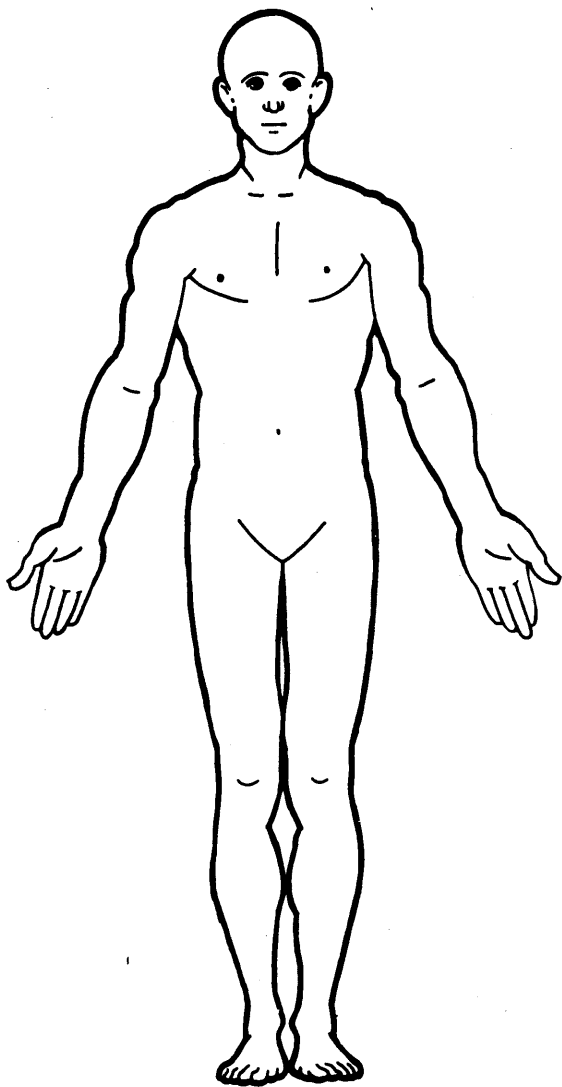


# OCCUPANT INJURY DATA

	Source of Injury Data	O.I.C.—A.I.S.					Injury Source	Injury Source Confidence Level	Direct/Indirect Injury	Occupant Area Intrusion No.
		Body Region	Aspect	Lesion	System Organ	A.I.S. Severity				
11th	—	—	—	—	—	—	—	—	—	
12th	—	—	—	—	—	—	—	—	—	
13th	—	—	—	—	—	—	—	—	—	
14th	—	—	—	—	—	—	—	—	—	
15th	—	—	—	—	—	—	—	—	—	
16th	—	—	—	—	—	—	—	—	—	
17th	—	—	—	—	—	—	—	—	—	
18th	—	—	—	—	—	—	—	—	—	
19th	—	—	—	—	—	—	—	—	—	
20th	—	—	—	—	—	—	—	—	—	
21st	—	—	—	—	—	—	—	—	—	
22nd	—	—	—	—	—	—	—	—	—	
23rd	—	—	—	—	—	—	—	—	—	

## OFFICIAL INJURY DATA – SOFT TISSUE INJURIES

Indicate the *Location, Lesion, 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 (eg. 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

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (27) Other left side object (specify): \_\_\_\_\_

### RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A 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-pillar, B-pillar, roof side rail
- (37) Other right side 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): \_\_\_\_\_
- (97) Injured, unknown source

## 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-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): \_\_\_\_\_

### LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): \_\_\_\_\_
- (25) Left side window glass or frame

### 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
- (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): \_\_\_\_\_

## 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

### O.I.C. Body Region

- (M) Abdomen
- (Q) Ankle-foot
- (A) Arm (upper)
- (B) Back-thoracolumbar spine
- (C) Chest
- (E) Elbow
- (F) Face
- (R) Forearm
- (H) Head-skull
- (U) Injured, unknown region
- (K) Knee
- (L) Leg (lower)
- (Y) Lower limb(s) (whole or unknown part)
- (N) Neck-cervical spine
- (P) Pelvic-hip
- (S) Shoulder
- (T) Thigh
- (X) Upper limb(s) (whole or unknown part)
- (O) Whole body

### (W) Wrist-hand

- Aspect of Injury**
- (A) Anterior-front
  - (B) Bilateral (rib fracture only)
  - (C) Central
  - (I) Inferior-lower
  - (U) Injured, unknown aspect
  - (L) Left
  - (P) Posterior-back
  - (R) Right
  - (S) Superior-upper
  - (W) Whole region

### Lesion

- (A) Abrasion
- (M) Amputation
- (V) Avulsion
- (B) Burn
- (K) Concussion
- (C) Contusion
- (N) Crush

- (G) Detachment, separation
- (D) Dislocation
- (F) Fracture
- (Z) Fracture and dislocation
- (U) Injured, unknown lesion
- (L) Laceration
- (O) Other
- (P) Perforation, puncture
- (R) Rupture
- (S) Sprain
- (T) Strain
- (E) Total severance, transection

### System/Organ

- (W) All systems in region
- (A) Arteries-veins
- (B) Brain
- (D) Digestive
- (E) Ears
- (O) Eye
- (H) Heart
- (U) Injured, unknown system

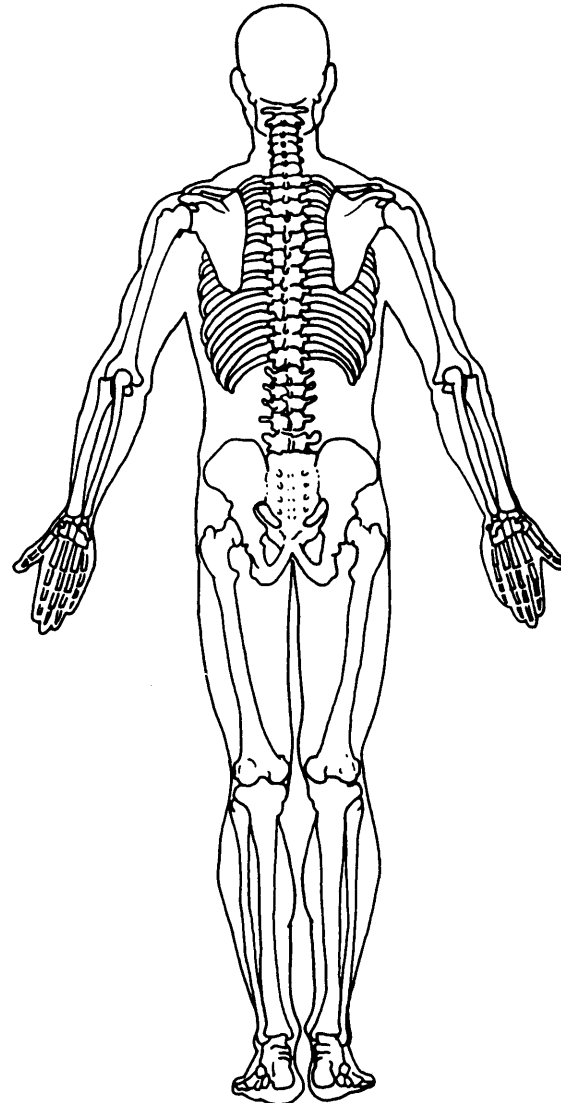
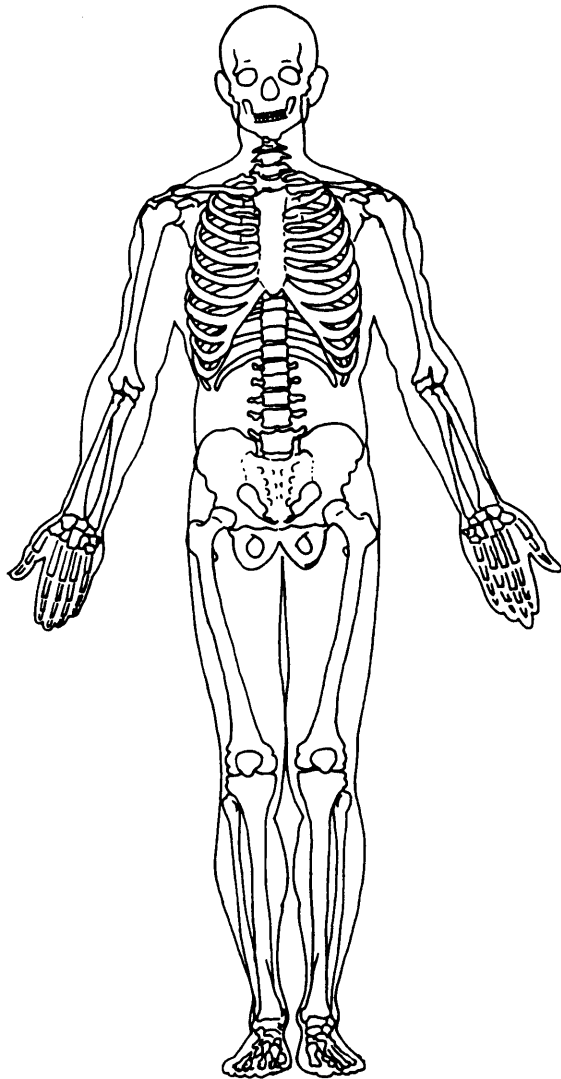
- (I) Integumentary
- (J) Joints
- (K) Kidneys
- (L) Liver
- (M) Muscles
- (N) Nervous system
- (P) Pulmonary-lungs
- (R) Respiratory
- (S) Skeletal
- (C) Spinal cord
- (Q) Spleen
- (T) Thyroid, other endocrine gland
- (G) Urogenital
- (V) Vertebrae

### 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

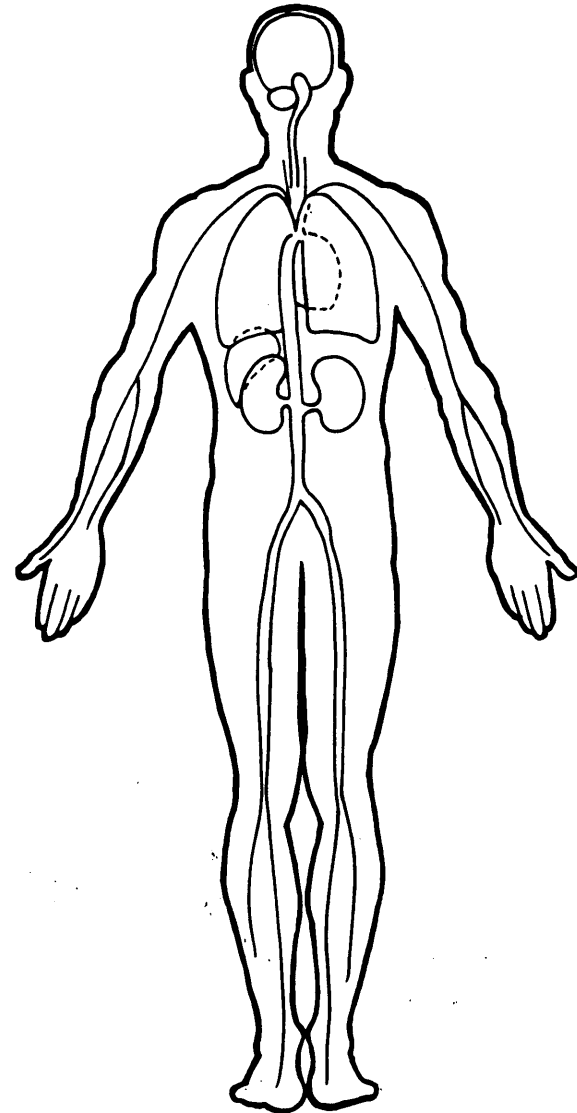
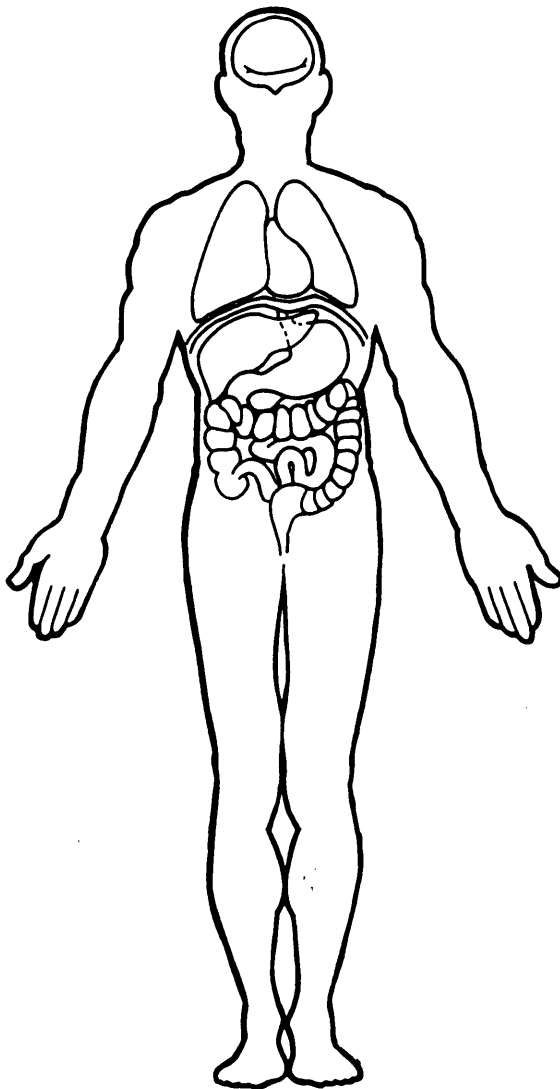
## OFFICIAL INJURY DATA – SKELETAL INJURIES

Indicate the *Location, Lesion, 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, Lesion, 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.)





# UPDATE FORM

1. Primary Sampling Unit Number 11  
 2. Case Number - Stratum 145A  
 3. Vehicle Number 01  
 4. Occupant Number 01

Driver or Occupant Name: \_\_\_\_\_

Address: \_\_\_\_\_

Other Information: \_\_\_\_\_

*(Sanitize this section prior to Update submission.)*

## STATUS OF LOG INJURY INFORMATION

11

### Injury Information

- (00) Not medically treated/record not required
- (01) No record of treatment at medical facility
- (02) Medical release required - not obtained
- (03) Injury not related to accident
- (04) Noncooperative hospital
- (05) Hospital out-of-study area
- (06) Private physician would not release data
- (07) Unknown if medically treated
- (08) To be updated
- (09) Record not received before file closeout
- (10) Record not obtained
- (11) Record obtained
- (12) Partial record obtained - not to be updated
- (13) Partial record obtained - to be updated

## UPDATED CASE INFORMATION

	INITIAL SUBMISSION	UPDATED INFORMATION		INITIAL SUBMISSION	UPDATED INFORMATION
GV12. Alcohol Test Result Result for Driver	<u>99</u>	---	OA18. Manual (Active) Belt System Use	<u>07</u>	---
GV39. Other Drug Specimen Test Type for Driver		---	OA21. Air Bag System Availability/Function	<u>1</u>	---
GV40.-GV41. Narcotic Drug		---	OA22. Air Bag System Deployment	<u>1</u>	---
GV42.-GV43. Depressant Drug		---	OA35. Treatment - Mortality	<u>1</u>	---
GV44.-GV45. Stimulant Drug		---	OA36. Type of Medical Facility (for Initial Treatment)	<u>0</u>	---
GV46.-GV47. Hallucinogen Drug		---	OA37. Hospital Stay	<u>00</u>	---
GV48.-GV49. Cannabinoid Drug		---	OA38. Working Days Lost	<u>62</u>	---
GV50.-GV51. Phencyclidine (PCP)		---	OA39. Time to Death	<u>01</u>	---
GV52.-GV53. Inhalant Drug		---	OA40. 1st Medically Reported Cause of Death	<u>99</u>	---
GV54.-GV55. Other Drug (Excluding Nicotine, Aspirin, Alcohol, Drugs Administered Post-Crash)		---	OA41. 2nd Medically Reported Cause of Death	<u>00</u>	---
OA05. Occupant's Age		<u>18</u>	---	OA42. 3rd Medically Reported Cause of Death	<u>00</u>
OA06. Occupant's Sex	<u>1</u>	---	OA43. Number of Recorded Injuries for This Occupant	<u>00</u>	---
OA07. Occupant's Height	<u>74</u>	---	OA44. Automatic (Passive) Belt System Availability/Function	<u>0</u>	---
OA08. Occupant's Weight	<u>185</u>	---	OA45. Automatic (Passive) Belt System Use	<u>0</u>	---
OA17. Manual (Active) Belt System Availability	<u>4</u>	---			

## INJURY DATA CODED ON INITIAL SUBMISSION

	Source of Injury Data	O.I.C.-A.I.S				Injury Source	Injury Source Confidence Level	Direct/Indirect Injury	Occupant Area Intrusion No.	
		Body Region	Aspect	Lesion	System Organ					A.I.S. Severity
1st	5. <u>7</u>	6. <u>N</u>	7. <u>P</u>	8. <u>F</u>	9. <u>S</u>	10. <u>2</u>	11. <u>97</u>	12. <u>9</u>	13. <u>7</u>	14. <u>99</u>
2nd	15. <u>7</u>	16. <u>Y</u>	17. <u>Y</u>	18. <u>F</u>	19. <u>S</u>	20. <u>7</u>	21. <u>97</u>	22. <u>9</u>	23. <u>7</u>	24. <u>99</u>
3rd	25. ___	26. ___	27. ___	28. ___	29. ___	30. ___	31. ___	32. ___	33. ___	34. ___
4th	35. ___	36. ___	37. ___	38. ___	39. ___	40. ___	41. ___	42. ___	43. ___	44. ___
5th	45. ___	46. ___	47. ___	48. ___	49. ___	50. ___	51. ___	52. ___	53. ___	54. ___
6th	55. ___	56. ___	57. ___	58. ___	59. ___	60. ___	61. ___	62. ___	63. ___	64. ___
7th	65. ___	66. ___	67. ___	68. ___	69. ___	70. ___	71. ___	72. ___	73. ___	74. ___
8th	75. ___	76. ___	77. ___	78. ___	79. ___	80. ___	81. ___	82. ___	83. ___	84. ___
9th	85. ___	86. ___	87. ___	88. ___	89. ___	90. ___	91. ___	92. ___	93. ___	94. ___
10th	95. ___	96. ___	97. ___	98. ___	99. ___	100. ___	101. ___	102. ___	103. ___	104. ___
11th	105. ___	106. ___	107. ___	108. ___	109. ___	110. ___	111. ___	112. ___	113. ___	114. ___
12th	115. ___	116. ___	117. ___	118. ___	119. ___	120. ___	121. ___	122. ___	123. ___	124. ___
13th	125. ___	126. ___	127. ___	128. ___	129. ___	130. ___	131. ___	132. ___	133. ___	134. ___
14th	135. ___	136. ___	137. ___	138. ___	139. ___	140. ___	141. ___	142. ___	143. ___	144. ___
15th	145. ___	146. ___	147. ___	148. ___	149. ___	150. ___	151. ___	152. ___	153. ___	154. ___
16th	155. ___	156. ___	157. ___	158. ___	159. ___	160. ___	161. ___	162. ___	163. ___	164. ___
17th	165. ___	166. ___	167. ___	168. ___	169. ___	170. ___	171. ___	172. ___	173. ___	174. ___
18th	175. ___	176. ___	177. ___	178. ___	179. ___	180. ___	181. ___	182. ___	183. ___	184. ___
19th	185. ___	186. ___	187. ___	188. ___	189. ___	190. ___	191. ___	192. ___	193. ___	194. ___
20th	195. ___	196. ___	197. ___	198. ___	199. ___	200. ___	201. ___	202. ___	203. ___	204. ___

NOTE: Keep a photocopy of the following original submitted pages when applicable: Exterior Vehicle Form pages 2, 3, 4; Interior Vehicle Form pages 1-reverse, 2, 4, 5; Occupant Injury Form pages 2, 3, 3-reverse; Interview Form pages 3, 4, 5.

## INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the unofficial and official prior to initial case submission **and from subsequently** acquired medical data. Remember not to double count an injury just because it was identified from two different sources.

	Source of Injury Data	O.I.C.—A.I.S.					Injury Source	Injury Source Confidence Level	Direct/Indirect Injury	Occupant Area Intrusion No.
		Body Region	Aspect	Lesion	System Organ	A.I.S. Severity				
1st	5. <u>2</u>	6. <u>H</u>	7. <u>U</u>	8. <u>U</u>	9. <u>B</u>	10. <u>7</u>	11. <u>97</u>	12. <u>9</u>	13. <u>7</u>	14. <u>99</u>
2nd	15. <u>2</u>	16. <u>C</u>	17. <u>U</u>	18. <u>U</u>	19. <u>U</u>	20. <u>7</u>	21. <u>97</u>	22. <u>9</u>	23. <u>7</u>	24. <u>99</u>
3rd	25. <u>7</u>	26. <u>N</u>	27. <u>P</u>	28. <u>F</u>	29. <u>S</u>	30. <u>2</u>	31. <u>97</u>	32. <u>9</u>	33. <u>7</u>	34. <u>99</u>
4th	35. ___	36. ___	37. ___	38. ___	39. ___	40. ___	41. ___	42. ___	43. ___	44. ___
5th	45. ___	46. ___	47. ___	48. ___	49. ___	50. ___	51. ___	52. ___	53. ___	54. ___
6th	55. ___	56. ___	57. ___	58. ___	59. ___	60. ___	61. ___	62. ___	63. ___	64. ___
7th	65. ___	66. ___	67. ___	68. ___	69. ___	70. ___	71. ___	72. ___	73. ___	74. ___
8th	75. ___	76. ___	77. ___	78. ___	79. ___	80. ___	81. ___	82. ___	83. ___	84. ___
9th	85. ___	86. ___	87. ___	88. ___	89. ___	90. ___	91. ___	92. ___	93. ___	94. ___
10th	95. ___	96. ___	97. ___	98. ___	99. ___	100. ___	101. ___	102. ___	103. ___	104. ___

If greater than 10 injuries, code additional on Occupant Injury Data Supplement.

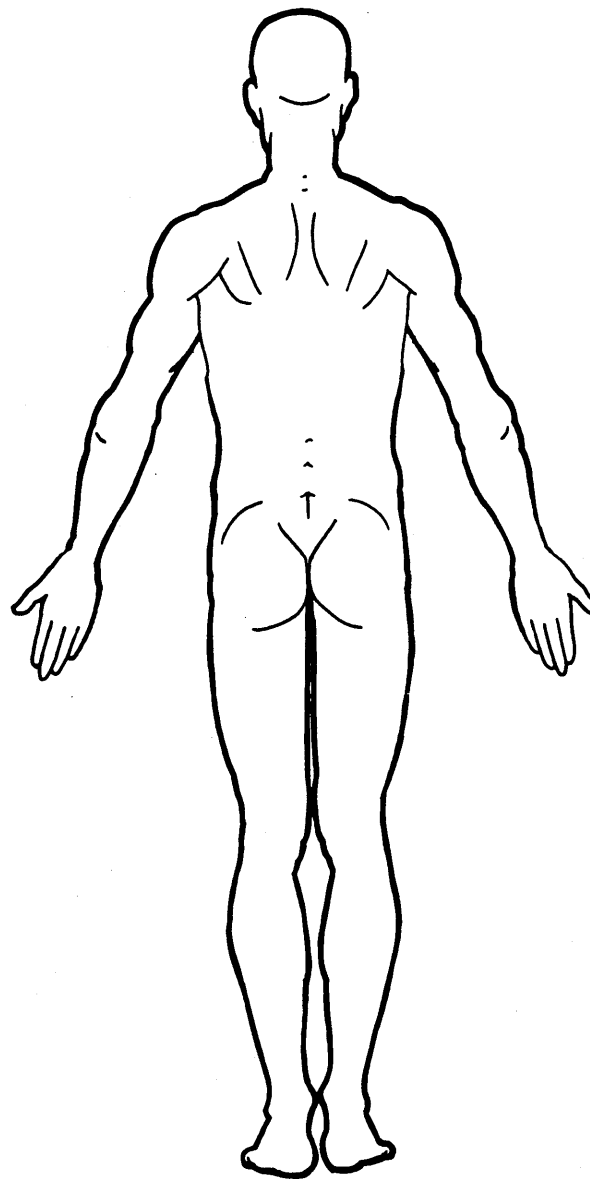
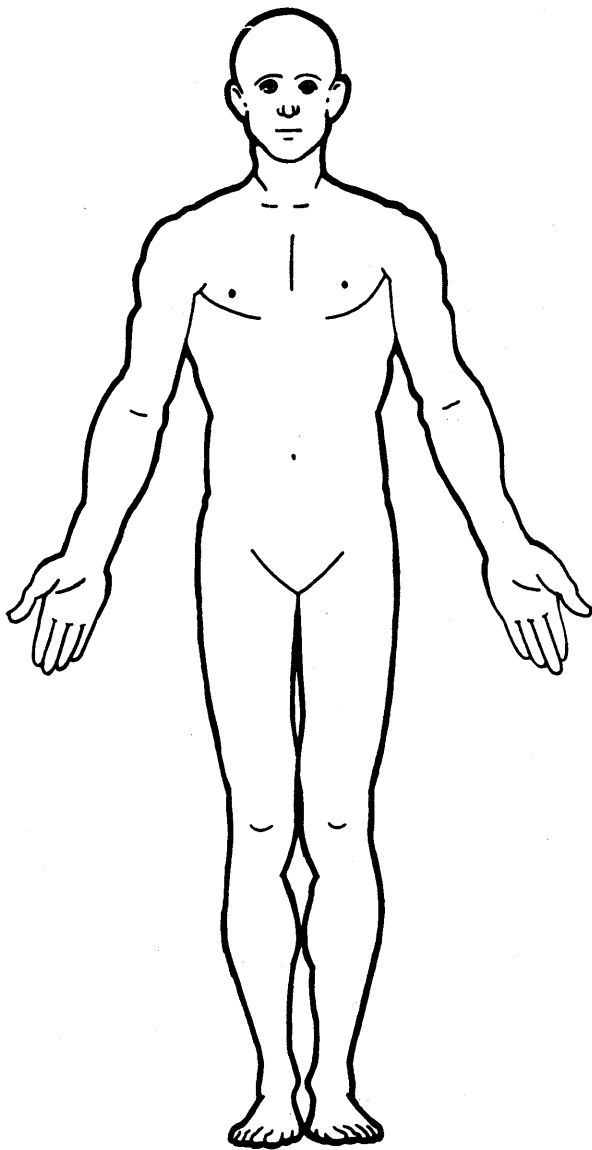


# OCCUPANT INJURY DATA

	Source of Injury Data	O.I.C.—A.I.S.					Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion No.
		Body Region	Aspect	Lesion	System Organ	A.I.S. Severity				
11th	—	—	—	—	—	—	—	—	—	
12th	—	—	—	—	—	—	—	—	—	
13th	—	—	—	—	—	—	—	—	—	
14th	—	—	—	—	—	—	—	—	—	
15th	—	—	—	—	—	—	—	—	—	
16th	—	—	—	—	—	—	—	—	—	
17th	—	—	—	—	—	—	—	—	—	
18th	—	—	—	—	—	—	—	—	—	
19th	—	—	—	—	—	—	—	—	—	
20th	—	—	—	—	—	—	—	—	—	
21st	—	—	—	—	—	—	—	—	—	
22nd	—	—	—	—	—	—	—	—	—	
23rd	—	—	—	—	—	—	—	—	—	

# OFFICIAL INJURY DATA – SOFT TISSUE INJURIES

Indicate the *Location, Lesion, 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 (eg. 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

(26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail

(27) Other left side object (specify): \_\_\_\_\_

### RIGHT SIDE

(30) Right side interior surface, excluding hardware or armrests

(31) Right side hardware or armrest

(32) Right A 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-pillar, B-pillar, roof side rail

(37) Other right side object (specify): \_\_\_\_\_

### 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

(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): \_\_\_\_\_

(97) Injured, unknown source

## 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-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): \_\_\_\_\_

### LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): \_\_\_\_\_
- (25) Left side window glass or frame

## 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

### O.I.C. Body Region

- (M) Abdomen
- (Q) Ankle-foot
- (A) Arm (upper)
- (B) Back-thoracolumbar spine
- (C) Chest
- (E) Elbow
- (F) Face
- (R) Forearm
- (H) Head-skull
- (U) Injured, unknown region
- (K) Knee
- (L) Leg (lower)
- (Y) Lower limb(s) (whole or unknown part)
- (N) Neck-cervical spine
- (P) Pelvic-hip
- (S) Shoulder
- (T) Thigh
- (X) Upper limb(s) (whole or unknown part)
- (O) Whole body

(W) Wrist-hand

### Aspect of Injury

- (A) Anterior-front
- (B) Bilateral (rib fracture only)
- (C) Central
- (I) Inferior-lower
- (U) Injured, unknown aspect
- (L) Left
- (P) Posterior-back
- (R) Right
- (S) Superior-upper
- (W) Whole region

### Lesion

- (A) Abrasion
- (M) Amputation
- (V) Avulsion
- (B) Burn
- (K) Concussion
- (C) Contusion
- (N) Crush

(G) Detachment, separation

(D) Dislocation

(F) Fracture

(Z) Fracture and dislocation

(U) Injured, unknown lesion

(L) Laceration

(O) Other

(P) Perforation, puncture

(R) Rupture

(S) Sprain

(T) Strain

(E) Total severance, transection

### System/Organ

- (W) All systems in region
- (A) Arteries-veins
- (B) Brain
- (D) Digestive
- (E) Ears
- (O) Eye
- (H) Heart
- (U) Injured, unknown system

(I) Integumentary

(J) Joints

(K) Kidneys

(L) Liver

(M) Muscles

(N) Nervous system

(P) Pulmonary-lungs

(R) Respiratory

(S) Skeletal

(C) Spinal cord

(Q) Spleen

(T) Thyroid, other endocrine gland

(G) Urogenital

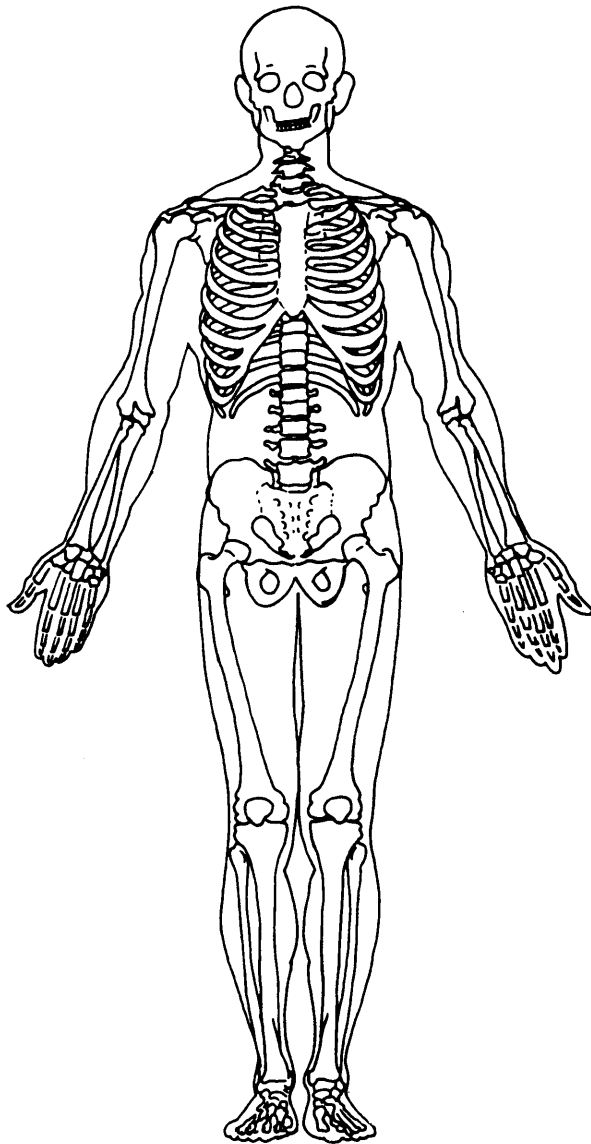
(V) Vertebrae

### Abbreviated Injury Scale

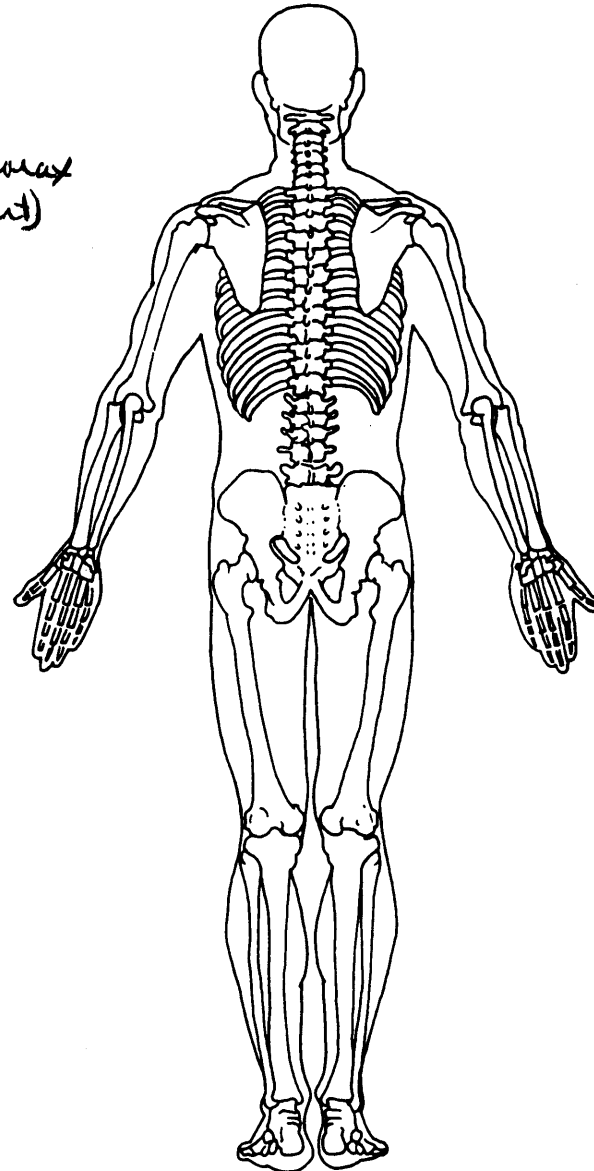
- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

# OFFICIAL INJURY DATA – SKELETAL INJURIES

Indicate the *Location, Lesion, 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.)

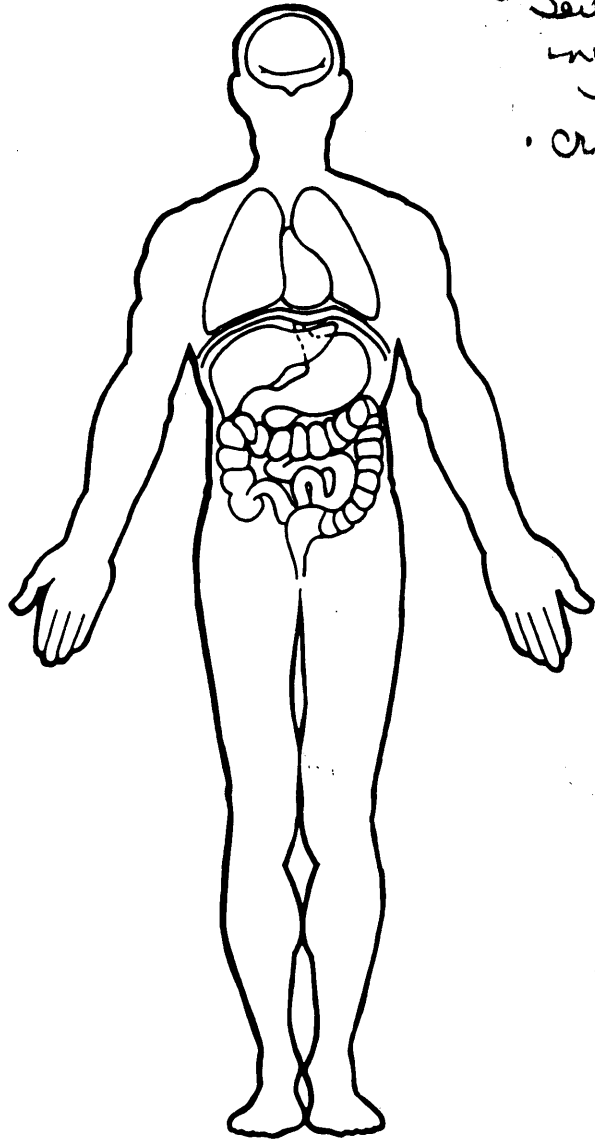


. crushed thorax  
(ME report)

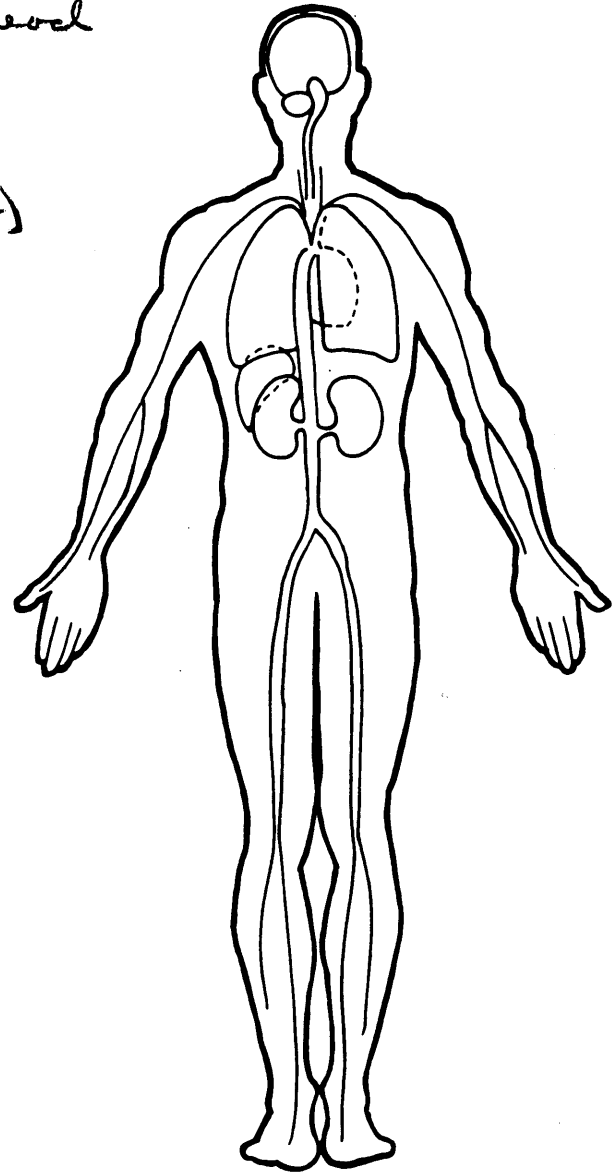


## OFFICIAL INJURY DATA – INTERNAL INJURIES

Indicate the *Location, Lesion, 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.)



- Severe closed head injury
- crushed thorax (ME report)





## ERROR SUMMARY SCREEN

1992

CURRENT VERSION: 4.03

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	1	Y
Vehicle Exterior	0	0	0	Y
Vehicle Interior	0	0	1	Y
Occupant Assessment	0	0	2	Y
Occupant Injury	0	0	0	Y
<hr/>				
Total Inter Errors		0	1	
Total Case Errors	0	0	5	









**PSU 11-145A (1991) #1**  
**Best Available**



**PSU 11-145A (1991) #2**  
**Best Available**



**PSU 11-145A (1991) #3**  
**Best Available**



**PSU 11-145A (1991) #4**  
**Best Available**



**PSU 11-145A (1991) #5**  
**Best Available**



**PSU 11-145A (1991) #6**  
**Best Available**



**PSU 11-145A (1991) #7**  
**Best Available**





**PSU 11-145A (1991) #8**  
**Best Available**



PSU 11-145A (1991) #9  
Best Available



PSU 11-145A (1991) #10



PSU 11-145A (1991) #11  
Best Available



PSU 11-145A (1991) #12  
Best Available



PSU 11-145A (1991) #13



PSU 11-145A (1991) #14



PSU 11-145A (1991) #15





PSU 11-145A (1991) #16



PSU 11-145A (1991) #17



PSU 11-145A (1991) #18



**PSU 11-145A (1991) #19**



PSU 11-145A (1991) #20



PSU 11-145A (1991) #21



PSU 11-145A (1991) #22



PSU 11-145A (1991) #23





PSU 11-145A (1991) #24



PSU 11-145A (1991) #25



PSU 11-145A (1991) #26



PSU 11-145A (1991) #27



PSU 11-145A (1991) #28



PSU 11-145A (1991) #29



PSU 11-145A (1991) #30



PSU 11-145A (1991) #31





PSU 11-145A (1991) #32



PSU 11-145A (1991) #33



PSU 11-145A (1991) #34



PSU 11-145A (1991) #35



PSU 11-145A (1991) #38



PSU 11-145A (1991) #37



PSU 11-145A (1991) #38



PSU 11-145A (1991) #39





PSU 11-145A (1991) #40



PSU 11-145A (1991) #41



PSU 11-145A (1991) #42



**PSU 11-145A (1991) #43**  
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PSU 11-145A (1991) #55





PSU 11-145A (1991) #56



**PSU 11-145A (1991) #57**



PSU 11-145A (1991) #58



PSU 11-145A (1991) #59



PSU 11-145A (1991) #60



PSU 11-145A (1991) #61



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PSU 11-145A (1991) #68  
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**PSU 11-145A (1991) #69**  
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PSU 11-145A (1991) #70



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PSU 11-145A (1991) #82



PSU 11-145A (1991) #83



PSU 11-145A (1991) #84