



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

U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

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

UMTRI-88-1
VERSION 03

UM-NAB-008
1990 NISSAN INFINITI Q-45

In-depth Vehicle Occupant Report

The University
of Michigan
Transportation
Research Institute

UMIVOR—UMIVOR—UMIVOR



DISCLAIMERS

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

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

UM-NAB-008

Case Vehicle (A): 1990 Nissan
Type: Infiniti Q-45, 4-Dr. Sedan
Driver: 48-yrs., Male
CDC: 12-FDEW-02

Veh. (B): 1981 Mercury
Type: Unknown
Driver: Unknown
CDC: 99-0000-99

Accident Notification Number [REDACTED] was received from [REDACTED] at [REDACTED] Infiniti in [REDACTED] Pennsylvania on [REDACTED] 1990. [REDACTED] traveled to [REDACTED] Pennsylvania on [REDACTED] 1990, to inspect the car at [REDACTED]

Situation

(Slide 1) On [REDACTED] 1990, at about [REDACTED] hours case vehicle A (the Infiniti Q-45) was traveling westbound in the left lane on [REDACTED] Street at a driver estimated speed of about 56 kmph. Vehicle B (1981 Mercury) was attempting to exit a private drive in order to travel eastbound on [REDACTED] Street. A car which was westbound in the right lane stopped to let the Mercury exit. As the Mercury entered the roadway the Q-45 struck the left front fender of the Mercury.

Exterior Damage

(Slide 2) Damage was moderate to the front of the Q-45 where the maximum crush was about 57 cm. (Slide 3) This crushed the front bumper, grille and left headlight assembly. The hood was damaged causing the latch to release. The left hood hinge was damaged. (Slide 4) In addition, the right hood hinge was damaged and separated. The rear edge of the hood was elevated; it did not contact the windshield. (Slide 5) The left front fender was slightly deformed. (Slide 6) There was no other left side damage and no change in the left wheelbase. (Slide 7) There was no right side damage and no change in the wheelbase.

Occupant Kinematics

(Slide 8) This Q-45 is equipped with 3-point restraint and an airbag, which deployed. The male driver was wearing the 3-point restraint system. On impact he moved forward against the restraint and airbag. His right lower leg contacted the lower instrument panel. His right thumb struck the deployed airbag or steering wheel.

Interior Damage

(Slide 9) There was no damage to the left instrument panel, (Slide 10) center dash or (Slide 11) glove box area. (Slide 12) The steering wheel did not appear to be deformed and (Slide 13) there was no vertical or lateral rotation of the steering column. (Slide 14) There was no damage to the lower instrument. Because we could not remove the interior components, we were unable to test the airbag system with the diagnostic module.

Occupant Injuries

The male driver sustained the injuries shown in the attached table and slide 15.

CASE NO: UM902-008
CASE VEH. NO: 1990 NISSAN
TYPE: INFINITY Q-45, 4 DR, SEDAN
DRIVER: 45 YRS, MALE
VEH. REG: 1981 MERCURY

DATE / TIME: [REDACTED] / 1230 HRS.
WEATHER: CLEAR
ROAD SURFACE: DRY
ROAD CONSTRUCTION: UNKNOWN

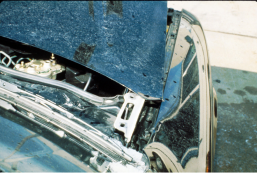




UM9002 #2



UM 9002 #3



UM9002 #4



UM9002 #5



UM 9002 #6



UM 9002 07



UM9002 #8



UM 9002 #9



UM9002 #10



UM9002 #11



UM9002 #12



UM9002 #13



UM9002 #14

CASE NO.: UM-902-000

CASE VEHICLE: 1990 Nissan

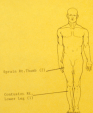
TYPE: Initial 3-4, 4-Dr. Sedan

OCCUPANT: (Driver) 48yr., Male

STATURE: 5'11" MASS: 173 lb

RESTRAINTS: Airbag Deployed
3-point Buckle Seat Belt

SEVERITY: MAIS = 0.2 194 = 1



Occupant: Driver

Age: 48-yrs.

Sex: Male

Restraints: Airbag Deployed & 3-Point Restraint Worn

Stature 183 cm

Mass: 113 kg

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Contusion Right Lower Leg	1	Lower Instrument Panel		
Sprain Right Thumb	2		Airbag	Steering Wheel
<u>Maximum A.I.S. Level</u>	<u>2</u>			
<u>Injury Severity Score</u>	<u>5</u>			

TEAM CODE 30
 ACCIDENT ID NA008
 VEHICLE NUMBER 1
 MODULE A D
 FORMAT 0 1
 FORM VERSION 0 3

NO. OF CASE VEHICLES IN ACCIDENT 1
 NUMBER OF SLIDES 15
 TEAM REPORT NUMBER

U	M	-	N	A	B	-	0	0	8
16									27
26									37

DATE OF FIELD INVESTIGATION: ████████ / ██████ / 90
mm dd yy

INVESTIGATOR: ██████████ ██████████

LOCATION WHERE VEHICLE WAS EVALUATED:
 ██████████, PENNSYLVANIA

CIRCLE PHOTO RECORDS MADE:

- SLIDES
- NEGATIVES
- POLAROIDS

REPORT PREPARED BY: ██████████

Duplicate columns 1-8 from the previous card.

Module $\frac{6}{9}$ $\frac{1}{18}$ Format $\frac{0}{11}$ $\frac{1}{12}$

GENERAL INFORMATION GI-1

TIME

DATE OF COLLISION / 90
m m d d y y
 HOUR OF COLLISION
 (24 HOUR CLOCK) 14 22

ENVIRONMENTAL CONDITIONS

CONSTRUCTION ZONE

- (0) NO
- (1) YES
- (9) UNKNOWN

0
31

RD ALIGNMENT, VERTICAL PLANE

- (1) LEVEL
- (2) CREST OF HILL
- (3) SLOPE (2%)
- (4) BOTTOM OF HILL
- (9) UNKNOWN

1
32

RD ALIGNMENT, HORIZONTAL PLANE

- (1) STRAIGHT
- (2) CURVE
- (3) T-SHAPED
- (4) Y-SHAPED
- (7) OTHER: _____
- (9) UNKNOWN

1
33

SURFACE COVERING

- (10) DRY
- (21) WATER - DAMP
- (22) WATER - WET
- (23) WATER - PUDDLED
- (29) WATER - AMOUNT UNKNOWN
- (31) SNOW - LOOSE
- (32) SNOW - PACKED
- (39) SNOW - CONDITION UNKNOWN
- (41) ICE
- (51) SLUSH
- (61) SPILLED GRAVEL
- (71) OTHER: _____
- (99) UNKNOWN

10
34

VISIBILITY LIMITATION

(FOR CASE VEHICLE)

- (0) NONE
- (1) CLOUDY/DARK
- (2) FOG
- (3) SMOKE
- (4) WINDSHIELD CONDITION
- (5) GLARE
- (6) RAIN
- (7) OTHER: _____
- (8) ICE/SNOW
- (9) UNKNOWN

0
36

VISIBILITY OBSTRUCTION

(FOR CASE VEHICLE)

- (0) NONE
- (1) BUILDING
- (2) SIGN
- (3) VEGETATION (E.G. BUSHES, SHRUBS)
- (4) TREE
- (5) HILL OR CURVE IN ROAD
- (6) VEHICLE IN TRANSPORT
- (7) OTHER: _____
- (8) PARKED VEHICLE
- (9) UNKNOWN

0
37

LOCATION

STATE: PENNSYLVANIA.
 STATE FIPS CODE 42
 AREA 1
 (1) URBAN
 (2) RURAL
 (9) UNKNOWN 25

ENVIRONMENTAL CONDITIONS

LIMITED-ACCESS HIGHWAY

- (0) NO
- (1) YES
- (9) UNKNOWN

0
26

ROAD, TOTAL TRAFFIC LANES
 (FOR CASE VEHICLE)

- (1) 1-LANE
- (2) 2-LANES
- (3) 3-LANES
- (4) 4 OR MORE LANES
- (5) DIVIDED, 4 OR MORE LANES
- (6) PARKING LOT/DRIVEWAY
- (7) OTHER: _____
- (9) UNKNOWN

4
27

INTERSECTING RD, TOTAL LANES

(CIRCLE FROM THE ABOVE LIST, OR

- (8) NOT APPLICABLE

6
28

TYPE OF ROAD SURFACE

- (1) ASPHALT
- (2) CONCRETE
- (3) GRAVEL
- (4) MORE THAN ONE (CIRCLE EACH)
- (7) OTHER: _____
- (9) UNKNOWN

9
29

ROAD DEFECTS

- (0) NO
- (1) YES.
- (9) UNKNOWN

0
30

ENVIRONMENTAL CONDITIONS

SPEED LIMIT

- (0) 5-45 km/h..... 5-25 mph
- (1) 46-55.....30
- (2) 56-60.....35
- (3) 61-70.....40
- (4) 71-79.....45
- (5) 80-85.....50
- (6) 86-90.....55
- (7) 91-105.....60
- (8) OVER 105.....65
- (9) UNKNOWN

PRECIPITATION

- (0) NONE
- (1) RAIN
- (2) SNOW
- (3) HAIL
- (4) FREEZING RAIN/SLEET
- (7) OTHER: _____
- (9) UNKNOWN

RATE OF PRECIPITATION

- (1) LIGHT/MIST
- (2) MODERATE
- (3) HEAVY
- (8) NOT APPLICABLE
- (9) UNKNOWN

TEMPERATURE

- (0) BELOW -15° C....BELOW 5° F
- (1) -15 TO -6..... 5 TO 22
- (2) -5 TO -1.....23 TO 31
- (3) 0 TO 2.....32 TO 36
- (4) 3 TO 5.....37 TO 41
- (5) 6 TO 15.....42 TO 59
- (6) 16 TO 25.....60 TO 77
- (7) 26 TO 35.....78 TO 95
- (8) OVER 35OVER 96
- (9) UNKNOWN

CROSSWIND

- (0) NONE
- (1) LIGHT
- (2) STRONG
- (3) GUSTY & STRONG
- (9) UNKNOWN

LIGHT CONDITIONS

- (1) DAYLIGHT
- (2) DAWN
- (3) DUSK
- (4) DARK, LIGHTED
- (5) DARK, UNLIGHTED
- (6) DARK, UNKNOWN IF LIGHTED
- (9) UNKNOWN

MECHANICAL MALFUNCTION

WAS THERE MENTION OF A MECHANICAL MALFUNCTION IN CASE VEHICLE

- (0) NO
- (1) YES
- (9) UNKNOWN

9
38

0
4

THE FOLLOWING SECTION SHOULD BE FILLED OUT IF A MECHANICAL MALFUNCTION IS RECOGNIZED, SUSPECTED, OR WAS ALLEGED TO HAVE CONTRIBUTED TO THE ACCIDENT INVOLVING THIS VEHICLE.

CIRCLE ITEMS INVOLVED. SUPPORT ANY ITEMS CIRCLED WITH COMMENTS.

- | | |
|-------------------|------------------|
| BRAKE SYSTEM | DRIVER CONTROLS |
| EXHAUST SYSTEM | POWER TRAIN |
| STEERING SYSTEM | FUEL SYSTEM |
| SUSPENSION SYSTEM | VISIBILITY ITEMS |
| TIRES | OTHER: _____ |
| ELECTRICAL SYSTEM | _____ |
| THROTTLE CONTROLS | UNKNOWN |

COMMENTS: _____

0
59

8
40

9
41

9
42

1
43

GENERAL INFORMATION GI-3

<p>CRASH DETAILS</p> <p>CASE VEHICLE AND OBJECT</p> <p>(0) NO (1) YES (9) UNKNOWN</p> <p>CASE VEHICLE ROLLOVER</p> <p>(0) NO ROLLOVER (1) YES, FIRST EVENT (2) YES, SUBSEQUENT EVENT (3) YES, SEQUENCE UNKNOWN (9) UNKNOWN</p> <p>CASE VEHICLE RAN OFF ROADWAY (BEFORE FIRST IMPACT)</p> <p>(0) NO (1) YES (9) UNKNOWN</p>	<p>$\frac{0}{45}$</p> <p>$\frac{0}{46}$</p> <p>$\frac{0}{47}$</p>	<p>HIGHEST POLICE INJURY SEVERITY CODE IN CRASH (NOT JUST CASE VEHICLE)</p> <p>(0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO ACCIDENT (7) NON-FATAL INJURY, SEVERITY UNKNOWN (9) UNKNOWN</p>	<p>$\frac{7}{53}$</p>
<p>MOVING CASE VEHICLE AND CONTACTED MOVING VEHICLE</p> <p>(0) NO (1) YES (9) UNKNOWN</p> <p>CASE VEHICLE AND CONTACTED STOPPED VEHICLE</p> <p>(0) NO (1) YES (9) UNKNOWN</p> <p>STOPPED CASE VEHICLE AND CONTACTED VEHICLE</p> <p>(0) NO (1) YES (9) UNKNOWN</p>	<p>$\frac{1}{48}$</p> <p>$\frac{0}{49}$</p> <p>$\frac{0}{50}$</p>	<p>DRIVER IMPAIRMENT</p> <p>DRIVER ALCOHOL INVOLVEMENT (CASE VEHICLE)</p> <p>(0) NONE (1) YES (9) UNKNOWN/NOT REPORTED/NO DRIVER</p> <p>DRIVER ALCOHOL BAC (CASE VEHICLE)</p> <p>(80) NO TEST (90) CHEMICAL TESTS, NO RESULTS (95) AUTOPSY, NO RESULTS (99) UNKNOWN</p> <p>WAS THERE MENTION OF DRIVER IMPAIRMENT FOR CASE VEHICLE</p> <p>(0) NO (1) YES (9) UNKNOWN</p>	<p>$\frac{9}{54}$</p> <p>$\frac{99}{55}$</p> <p>$\frac{9}{57}$</p>
<p>TOTAL NUMBER OF VEHICLES CONTACTED BY CASE VEHICLE IN CRASH</p> <p>(8) 8 OR MORE (9) UNKNOWN</p>	<p>$\frac{1}{51}$</p>	<p><i>LIST IMPAIRMENTS MENTIONED:</i></p> <hr/>	
<p>ANY FIRE IN THIS CRASH (NOT JUST CASE VEHICLE)</p> <p>(0) NO (1) YES (9) UNKNOWN</p>	<p>$\frac{0}{52}$</p>	<p>Post-Crash Detail</p> <p>MANNER CASE VEHICLE LEFT SCENE</p> <p>(1) DRIVEN (2) TOWED DUE TO DAMAGE (3) TOWED, NOT DUE TO DAMAGE (4) TOWED, REASON UNKNOWN (9) UNKNOWN</p>	<p>$\frac{2}{56}$</p>

Duplicate columns 1-8 from the previous card.

Module 0 4 10 Format 0 1 11 12

OTHER VEHICLE OV-1

MAKE: MERCURY

NO. OF CYLINDERS OR ROTORS:

MODEL:

CARGO:

VIN

VIN grid with numbers 13 and 29

MANUFAC/BODY CODE

MAKE/MODEL CODE

MODEL YEAR

VEHICLE MASS (kg)

IF SEPARATE REPORT WAS MADE, GIVE VEHICLE NUMBER

NUMBER OF OCCUPANTS

(ENTER 9'S IF UNKNOWN)

TRAVELING SPEED (km/h)

- (000) PARKED OR STOPPED
(996) BACKING UP
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
(998) SPEED EXCESSIVE (BUT UNKNOWN)
(999) UNKNOWN
(995) JUST STARTING UP

VEHICLE TYPE

PASSENGER VEHICLE

- (02) LARGE
(03) LIMOUSINE
(17) PICKUP CAR
(20) UNKNOWN PASSENGER VEHICLE BODY
(24) SUB-MINI
(25) MINI
(26) SUB-COMPACT
(27) COMPACT
(28) INTERMEDIATE
(29) FULL

MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107", E.G. JEEP, BRONCO)
(15) LARGE UTILITY (WHEELBASE MORE THAN 107", E.G. PAREL TRUCK, SUBURBAN)
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER
(17) PICKUP CAR WITH CANOPY/SHELL COVER
(21) MOTOR HOME
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER
(23) PICKUP CAR WITH SLIDE-IN CAMPER
(31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) SMALL VAN (E.G. SCHOOLBUS)
(12) PICKUP TRUCK
(13) UNKNOWN LIGHT TRUCK
(15) LARGE UTILITY (E.G. PAREL TRUCK, SUBURBAN)
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER
(30) UNKNOWN TRUCK TYPE
(31) CHASSIS-MOUNTED CAMPER
(33) DELIVERY VAN (WALK-IN)
(34) STRAIGHT TRUCK
(35) TRUCK-TRACTOR (SEMI)
(36) CHASSIS-CAB
(37) UNKNOWN HEAVY TRUCK
(38) TRACTOR & SEMI-TRAILER (SEMI)
(39) TRUCK (OR SPIN) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
(41) SCHOOL BUS
(42) INTERCITY BUS (BETWEEN CITIES)
(43) TRANSIT BUS (INTRACITY)
(44) STREETCAR (OR TRAM)

- (68) TRAIN (CARS)
(69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cr.)

(999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY CODE FOR THIS VEHICLE

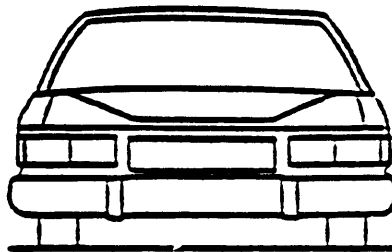
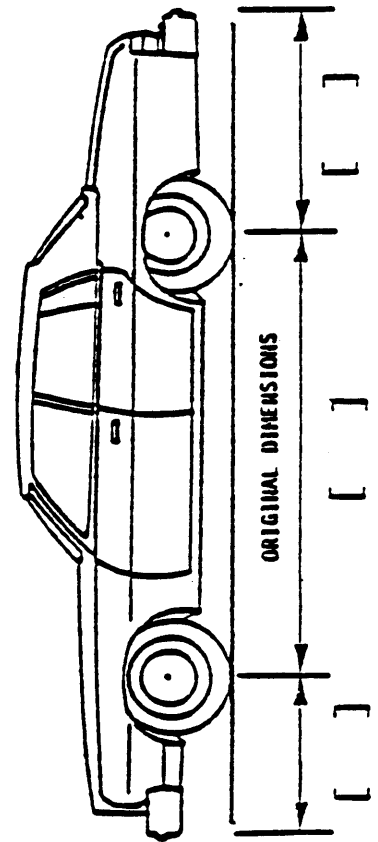
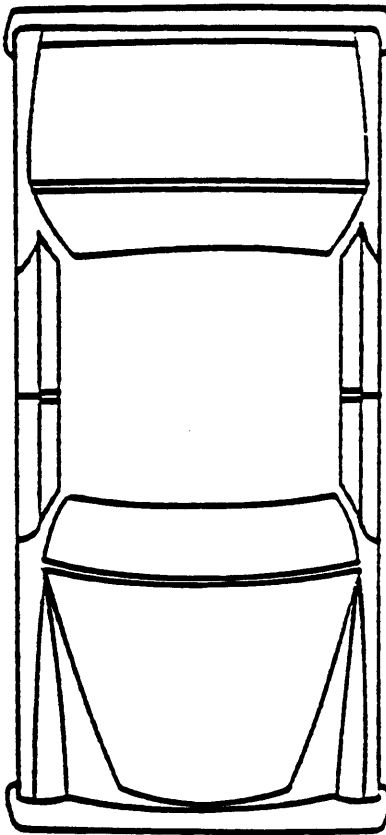
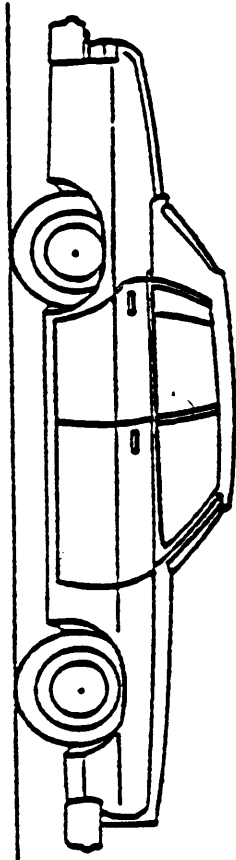
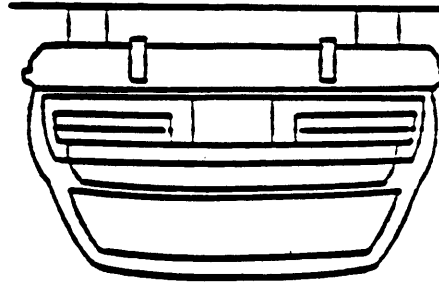
- (0) 0 - NO INJURY
(1) C - POSSIBLE INJURY
(2) B - NON-INCAPACITATING INJURY
(3) A - INCAPACITATING INJURY
(4) K - FATAL
(5) INJURED, SEVERITY UNKNOWN
(6) DIED PRIOR TO IMPACT
(7) NON-FATAL INJURY, SEVERITY UNKNOWN
(8) UNOCCUPIED VEHICLE (NOT APPLICABLE)
(9) UNKNOWN

2 53

2 55

999 56 58

VEHICLE DAMAGE
THIS SPACE TO ENTER DETAILS



Duplicate columns 1-8 from the previous card. Module $\frac{V}{9} \frac{D}{10}$ Format $\frac{0}{11} \frac{1}{12}$

VEHICLE DESCRIPTION VD-1

MAKE: NISSAN
 MODEL: INFINITI Q-45

NO. OF CYLINDERS OR ROTORS: 8
 CARGO: _____

VIN

J N K N G O 1 C [REDACTED]

MANUFAC/BODY CODE

[REDACTED]

MAKE/MODEL CODE

1557

MODEL YEAR

19 90

VEHICLE MASS (kg)

1430

ODOMETER (km)

(ENTER 9'S IF UNKNOWN)

(ENTER 8'S IF ELECTRONIC)

000795

NUMBER OF OCCUPANTS

(ENTER 9'S IF UNKNOWN)

01

TRAVELING SPEED (km/h)

- (000) PARKED OR STOPPED
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN
- (995) JUST STARTING UP

056

STOLEN VEHICLE

- (0) NO
- (1) YES
- (9) UNKNOWN

0

BODY STRUCTURE

- (1) BODY & FRAME
- (2) UNITIZED
- (3) INTEGRAL-STUB FRAME
- (4) BODY & PLATFORM FRAME (E.G. VW BUG)
- (7) OTHER: _____
- (9) UNKNOWN

3

TRANSMISSION

- (0) NONE
- (1) AUTOMATIC
- (2) MANUAL
- (9) UNKNOWN

1

LOCATION OF TRANSMISSION SELECTION LEVER

- (1) FLOOR
- (2) CONSOLE
- (3) COLUMN
- (7) OTHER: _____
- (9) UNKNOWN

2

STEERING

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1

BRAKES

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1

BODY TYPE

PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)
- (12) 2-DOOR SEDAN OR COUPE (ANY UPPER B-PILLAR)
- (13) 4-DOOR HARDTOP
- (14) 4-DOOR SEDAN
- (15) STATION WAGON
- (16) CONVERTIBLE
- (18) OTHER PASS. VEH.: _____
- (19) PASSENGER VEHICLE, TYPE UNKNOWN

14

MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)
- (22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (23) VAN, SIZE UNKNOWN
- (24) VAN, SMALL
- (25) VAN, LARGE
- (29) MPV, TYPE UNKNOWN
- (30) MOTOR HOME

TRUCK

- (31) PICKUP TRUCK, UNKNOWN
- (32) PICKUP TRUCK, SMALL
- (33) PICKUP TRUCK, LARGE

(99) UNKNOWN

VEHICLE DESCRIPTION VD-2

TYPE OF BRAKES

- (1) DRUM, ALL WHEELS
- (2) DISC, FRONT WHEELS
- (3) DISC, ALL WHEELS
- (9) UNKNOWN

3
67

WHEELBASE (cm)

288
72 74

BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED
- (1) TWO-WHEEL
- (2) FOUR-WHEEL
- (7) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN

7
65

PLASTIC ANTI-LACERATIVE
INNER LAYER GLASS EQUIPPED

- (0) NONE
- (1) WINDSHIELD
- (2) WINDSHIELD AND SIDE
- (7) OTHER
- (9) UNKNOWN

0
75

AIR CONDITIONING IN VEHICLE

- (0) NO
- (1) YES
- (9) UNKNOWN

1
66

TYPE OF DRIVE

- (1) REAR WHEEL
- (2) FRONT WHEEL
- (3) FOUR WHEEL
- (9) UNKNOWN

1
67

DUAL REAR WHEELS

- (0) NO
- (1) YES
- (9) UNKNOWN

0
65

FIELD INVESTIGATOR INSTRUCTIONS:

1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

ORIGINAL TYPE
OF RESTRAINT SYSTEM

- (1) ACTIVE BELT
- (2) PASSIVE BELT
- (3) AIR BAG
- (7) OTHER:
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

3
67

EQUIPPED WITH ROLL BAR

- (0) NO
- (1) YES
- (9) UNKNOWN

0
75

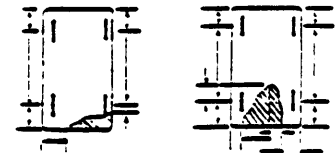
TYPE OF ROOF

- (0) NONE
- (1) SOLID
- (2) T-TOP CLOSED
- (3) T-TOP OPEN
- (4) SUN ROOF CLOSED
- (5) SUN ROOF OPEN
- (6) CONVERTIBLE CLOSED
- (7) CONVERTIBLE OPEN
- (8) OTHER:
- (9) UNKNOWN

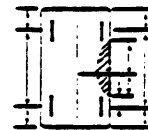
4
71

EXAMPLES:

FRONT OR REAR



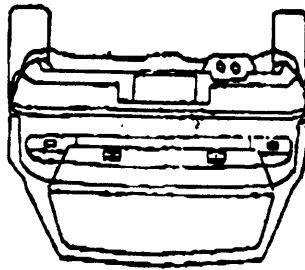
SIDE



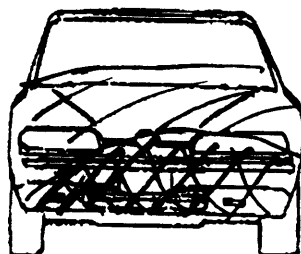
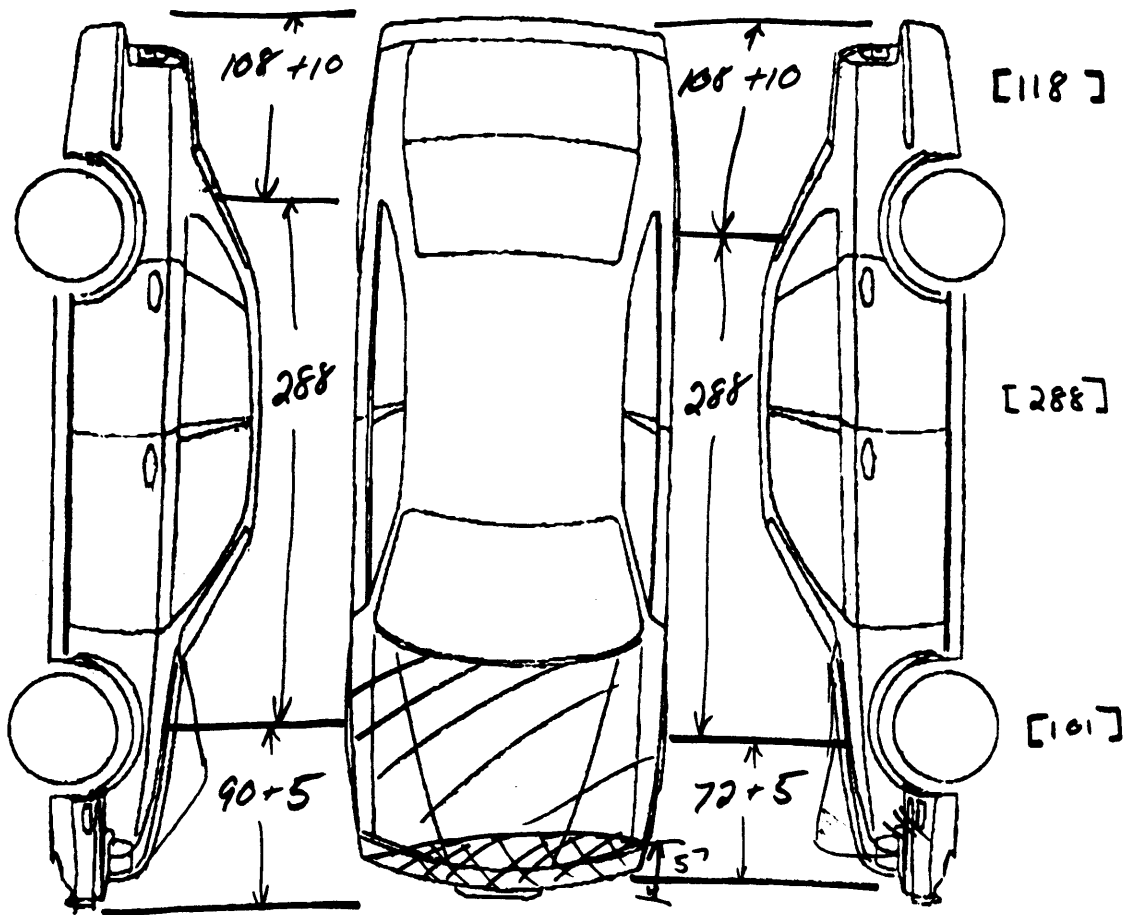
ROOF (REFERENCE TO TOP OF DOOR STEEL OR WINDOW STEEL)



FIELD INVESTIGATOR WORK PAGE



Q45



Duplicate columns 1-8 from the previous card. Module $\frac{0}{9}$ $\frac{A}{10}$ Format $\frac{0}{11}$ $\frac{2}{12}$ DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	$\frac{1}{13}$	
IMPACT SPEED (km/h)	$\frac{999}{14 \quad 16}$	$\frac{999}{35 \quad 37}$
ESTIMATED BY	$\frac{1}{17}$	$\frac{1}{38}$
CRUSH (cm)	$\frac{057}{18 \quad 20}$	$\frac{999}{39 \quad 41}$
CDC #1	$\frac{12 - FDEW - 2}{21 \quad 27}$	$\frac{99 - 0000 - 0}{42 \quad 48}$
CDC #2 (USED WHEN 4TH LETTER-CODE IN CDC #1 IS "X")	$\frac{98 - 0000 - 0}{28 \quad 34}$	$\frac{98 - 0000 - 0}{49 \quad 55}$

Duplicate columns 1-8 from the previous card. Module $\frac{0}{9}$ $\frac{A}{10}$ Format $\frac{0}{11}$ $\frac{3}{12}$

SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	$\frac{\quad}{13}$	
IMPACT SPEED (km/h)	$\frac{\quad}{14 \quad 16}$	$\frac{\quad}{36 \quad 37}$
ESTIMATED BY	$\frac{\quad}{17}$	$\frac{\quad}{38}$
CRUSH (cm)	$\frac{\quad}{18 \quad 20}$	$\frac{\quad}{39 \quad 41}$
CDC #1	$\frac{\quad - \quad - \quad - \quad - \quad -}{21 \quad 27}$	$\frac{\quad - \quad - \quad - \quad - \quad -}{42 \quad 48}$
CDC #2 (USED WHEN 4TH LETTER-CODE IN CDC #1 IS "X")	$\frac{\quad - \quad - \quad - \quad - \quad -}{28 \quad 34}$	$\frac{\quad - \quad - \quad - \quad - \quad -}{49 \quad 55}$

CODES	EVENT NUMBER	IMPACT SPEED ESTIMATOR	CRUSH
	(8) NOT APPLICABLE (9) UNKNOWN	(1) INVESTIGATOR (2) DRIVER (3) POLICE (4) "CRASH" PROGRAM (7) OTHER:	(998) NOT APPLICABLE (NO VEHICLE/NO DAMAGE) (999) UNKNOWN
	IMPACT SPEED	(8) NOT APPLICABLE (NO VEHICLE/NO IMPACT)	CDC
	(998) NOT APPLICABLE (999) UNKNOWN		(9800000) NOT APPLICABLE (9900000) UNKNOWN

Duplicate columns 1-8 from the previous card.

Module $\frac{0}{9}$ $\frac{A}{10}$ Format $\frac{0}{11}$ $\frac{1}{12}$

DAMAGE DA-2

MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT	$\frac{0}{13}$ $\frac{5}{15}$ $\frac{7}{15}$	RIGHT SIDE	$\frac{0}{16}$ $\frac{0}{18}$ $\frac{0}{18}$
REAR	$\frac{0}{19}$ $\frac{0}{21}$ $\frac{0}{21}$	LEFT SIDE	$\frac{0}{22}$ $\frac{0}{24}$ $\frac{0}{24}$
ROOF	$\frac{0}{25}$ $\frac{0}{27}$ $\frac{0}{27}$	OTHER	$\frac{0}{28}$ $\frac{0}{30}$ $\frac{0}{30}$

CHRONOLOGICAL SEQUENCE OF DAMAGE/INJURY PRODUCING CRASH EVENTS FOR CASE VEHICLE

NOTE: IF CHRONOLOGICAL ORDER IS UNKNOWN, EVENT ORDER IS OPTIONAL.

DO YOU KNOW THIS TABLE TO BE IN CHRONOLOGICAL ORDER

(0) NO
(1) YES

31

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
#1	$\frac{1}{32}$	$\frac{13}{34}$	$\frac{20}{36}$
#2	$\frac{---}{37}$	$\frac{---}{39}$	$\frac{---}{41}$
#3	$\frac{---}{42}$	$\frac{---}{44}$	$\frac{---}{46}$
#4	$\frac{---}{47}$	$\frac{---}{49}$	$\frac{---}{51}$
#5	$\frac{---}{52}$	$\frac{---}{54}$	$\frac{---}{56}$
#6	$\frac{---}{57}$	$\frac{---}{59}$	$\frac{---}{61}$
#7	$\frac{---}{62}$	$\frac{---}{64}$	$\frac{---}{66}$

DAMAGE DA-3

CODES FOR
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

UNKNOWN

- (99) IMPACT TYPE UNKNOWN

DAMAGE DA-4

CODES FOR VEHICLE/OBJECT CONTACTED

VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01)-(39) PASSENGER VEHICLE & TRUCK
- (40)-(69) OTHER VEHICLE
- (70)-(76) PEDESTRIAN & ON-ROADWAY OBJECT
- (80)-(97) OFF-ROADWAY OBJECT
- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP CAR
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZE	WHEELBASE
SUB-MINI	< 2286 mm (< 90")
MINI	2286-2412 mm (90"-94.9")
SUB-COMPACT	2413-2539 mm (95"-95.9")
COMPACT	2540-2666 mm (100"-104.9")
INTERMEDIATE	2667-2793 mm (105"-109.9")
FULL	2794-2920 mm (110"-114.9")
LARGE	2921-3174 mm (115"-124.9")
LIMOUSINE	> 3175 mm (>125")

MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IT)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1- 75cc
- (52) 76-125cc
- (53) 126-250cc
- (54) 251-500cc
- (55) 501-750cc
- (56) 751cc+
- (57) 3-WHEELS (OR WITH SIDECAR)

SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

OBJECT

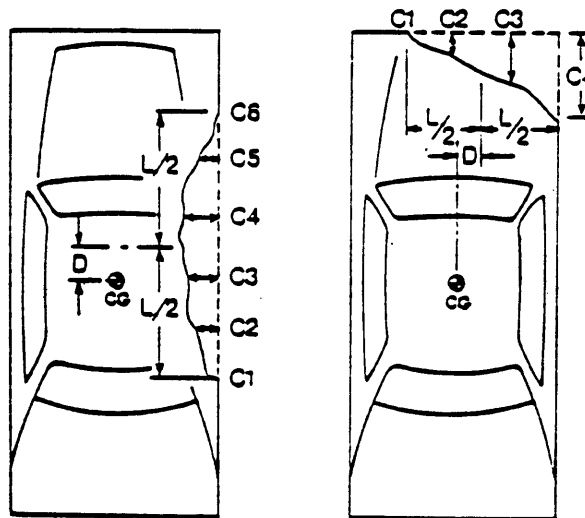
- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING
ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM
OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS, RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE
MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES

CRASH RECONSTRUCTION CR-1

- NOTES: 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
 2. MEASURE C_1 TO C_5 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
 3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
 4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

EVENT NUMBER	L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	D [±]



CONTACTED VEHICLE

EVENT NUMBER	L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	D [±]

Duplicate columns 1-8 from the previous card.

Module $\frac{C}{9} \frac{9}{10}$ Format $\frac{0}{11} \frac{1}{12}$

CRASH RECONSTRUCTION CR-2

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	$\frac{1}{13}$		$\frac{97}{}$	
ΔV (km/h) TOTAL	$\frac{9-}{14 \quad 16}$	$\frac{9-}{32 \quad 34}$	$\frac{78 \quad 50}{}$	$\frac{66 \quad 65}{}$
LONGITUDINAL*	$\frac{9-}{11 \quad 19}$	$\frac{9-}{35 \quad 35}$	$\frac{51 \quad 57}{}$	$\frac{67 \quad 72}{}$
LATERAL*	$\frac{9-}{21 \quad 24}$	$\frac{9-}{34 \quad 32}$	$\frac{35 \quad 35}{}$	$\frac{73 \quad 70}{}$
<p>*NOTE: THESE ΔV COMPONENTS MUST INCLUDE SIGN. EXAMPLES: $20\text{km/h} = + 2 \ 2 \ 2$ $-7\text{km/h} = - 2 \ 2 \ 7$</p>				
ENERGY DISSIPATED BY CRUSH (kj)	$\frac{9-}{25 \quad 28}$	$\frac{9-}{43 \quad 40}$	$\frac{34 \quad 62}{}$	$\frac{77 \quad 50}{}$
RECONSTRUCTION				
(01) RECONSTRUCTED	$\frac{02}{29}$		$\frac{63}{}$	
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/OVERRIDE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) OTHER NON-HORIZONTAL FORCE				
(08) SKIDDING SIDEWAYS				
(09) YIELDING FIXED OBJECT				
(10) OTHER:				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED	$\frac{5}{31}$		$\frac{68}{}$	
MODE				
(1) CDC ONLY				
(2) CDC & DETAILED DAMAGE				
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
(6) POLES PROGRAM				
(7) SLDNIS PROGRAM				

Duplicate columns 1-8 from the previous card. Module $\frac{4}{9}$ $\frac{7}{16}$ Format $\frac{0}{11}$ $\frac{1}{12}$

WHEELS AND TIRES WT-1

WHEELS--DAMAGED

- (0) NO
- (1) YES
- (9) UNKNOWN

LF 0
RF 0
RR 0
LR 0

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S.)

LF P21565R15
RF _____
RR _____
LR _____

TIRE TREAD TYPE

- (1) REGULAR
- (2) SNOW
- (3) SLICKS
- (4) ALL WEATHER (MS)
- (7) OTHER: _____
- (9) UNKNOWN _____

LF 1
RF 1
RR 1
LR 1

BRAND (WRITE NAME.)

LF _____
RF _____
RR _____
LR _____

CARCASS CONSTRUCTION

- (1) BIAS
- (2) BELTED BIAS
- (3) RADIAL
- (4) ELLIPTICAL
- (5) HI PRESSURE SPARE
- (6) SPACE SAVER SPARE
- (7) OTHER: _____
- (9) UNKNOWN _____

LF M
RF M
RR M
LR M

IF VEHICLE IS EQUIPPED WITH DUAL WHEELS, COMPLETE FOR OUTER WHEELS AND MAKE NOTES ON INNER WHEELS.

NOTES: _____

Duplicate columns 1-3 from the previous card.

Module $\frac{F}{9}$ $\frac{T}{10}$ Format $\frac{0}{11}$ $\frac{1}{12}$

FUEL AND FUEL TANKS FT-1

<p>TYPE OF PROPULSIVE FUEL</p> <p>(1) GASOLINE (2) DIESEL OIL (3) LPG (7) OTHER: _____ (9) UNKNOWN</p>	<p style="text-align: center;"><u>1</u> 13</p>	<p>AUXILIARY TANK TYPE</p> <p>(1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN</p>	<p style="text-align: center;"><u>8</u> 21</p>
<p>MAIN TANK LOCATION</p>	<p style="text-align: center;"><u>322</u> 14 15 16</p>	<p>AUXILIARY TANK LOCATION</p>	<p style="text-align: center;"><u>888</u> 22 23 24</p>
<p>MAIN FILLER CAP LOCATION</p>	<p style="text-align: center;"><u>133</u> 17 17 17</p>	<p>AUXILIARY FILLER CAP LOCATION</p>	<p style="text-align: center;"><u>888</u> 25 26 27</p>
<p>MAIN TANK MATERIAL</p>	<p style="text-align: center;"><u>1</u> 28</p>	<p>AUXILIARY TANK MATERIAL</p>	<p style="text-align: center;"><u>8</u> 28</p>

TANK AND FILLER CAP LOCATION CODES

FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8 from the previous card. Module $\frac{F}{9} \frac{L}{10}$ Formic $\frac{0}{11} \frac{1}{12}$

FUEL LEAKAGE FL-1

DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.

(1) YES COMPLETE PAGE.

0
13

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u>17</u> —	—	—	—	— —	<u>21</u>
#2	<u>22</u> —	—	—	—	— —	<u>29</u>
#3	<u>35</u> —	—	—	—	— —	<u>37</u>
#4	<u>38</u> —	—	—	—	— —	<u>45</u>
#5	<u>46</u> —	—	—	—	— —	<u>53</u>

I LEAKING COMPONENT

TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-ECC EQUIPPED)
- (32) ECC PIPE (VAPOR CANISTER TO CARBURETOR)

I LEAKING COMPONENT

EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

V LOCATION OF LEAK

FIRST DIGIT

(LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F & P
- (5) Z, P & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

SECOND DIGIT

(LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8 from the previous card.

Module $\frac{F}{9}$ $\frac{R}{10}$ Format $\frac{0}{11}$ $\frac{1}{12}$

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE

- (0) NO BASE PAGE.
- (1) YES COMPLETE PAGE.

0
13

DID FIRE START IN CASE VEHICLE

- (0) NO
- (1) YES
- (9) UNKNOWN

14

SEVERITY OF FIRE DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (9) UNKNOWN

16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE
- (2) SLOW/MODERATE
- (9) UNKNOWN

15

DID AN INJURY TO CASE VEHICLE OCCUPANT RESULT FROM FIRE IN OR ON CASE VEHICLE

- (0) NO
- (1) YES
- (9) UNKNOWN

17

PROVIDE NOTES IF FIRE OCCURRED.

SOURCE OF INITIAL BURNING MATERIAL: _____

IGNITION MECHANISM: _____

IGNITION LOCATION IN VEHICLE: _____

WHAT BURNED AND LOCATION: _____

DESCRIBE DAMAGE FROM FIRE: _____

DESCRIBE FIRE INJURIES: _____

Duplicate columns 1-8 from the previous card. Module $\frac{E}{9}$ $\frac{9}{10}$ Format $\frac{0}{11}$ $\frac{1}{12}$

EXTERIOR DAMAGE ED-1

HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

HOOD LATCH(ES)- -RELEASED $\frac{1}{13}$

-DAMAGED $\frac{1}{14}$

-JAMMED $\frac{0}{15}$

HOOD HINGES- -LEFT, DAMAGED $\frac{1}{16}$

-LEFT, SEPARATED
(COMPLETE) $\frac{0}{17}$

-RIGHT, DAMAGED $\frac{1}{18}$

-RIGHT, SEPARATED
(COMPLETE) $\frac{1}{19}$

HOOD REMAINED ON VEHICLE $\frac{1}{20}$

REAR EDGE OF HOOD- -ELEVATED $\frac{1}{21}$

-CONTACTED WINDSHIELD $\frac{0}{22}$

-PENETRATED WINDSHIELD $\frac{0}{23}$

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE
- (2) COWL AREA
- (3) SIDE
- (8) NOT APPLICABLE
- (9) UNKNOWN

$\frac{1}{24}$

ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO
- (1) YES
- (9) UNKNOWN

$\frac{0}{25}$

STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE
- (1) FLEXIBLE MATERIAL
- (2) POT
- (3) SINGLE U-JOINT
- (4) DOUBLE U-JOINT
- (5) FLEXIBLE CABLE
- (6) COMBINATION OF ABOVE
(CIRCLE EACH)
- (7) OTHER:
- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

$\frac{0}{26}$

COUPLING- -DAMAGED $\frac{0}{27}$

(USE CODES FROM HOOD PERFORMANCE)

-SEPARATED
(COMPLETE) $\frac{0}{28}$

ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED
- (01)-(07) SEE UNITS ON PAGE ED-2
- (97) OTHER:
- (98) EQUIPPED, TYPE UNKNOWN
- (99) UNKNOWN IF EQUIPPED

$\frac{00}{29}$

ORIGINAL LENGTH (mm)

F (OR H): _____

TELESCOPED LENGTH (mm)

G: _____

DIFFERENCE (mm)

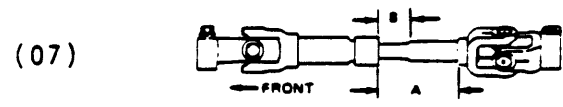
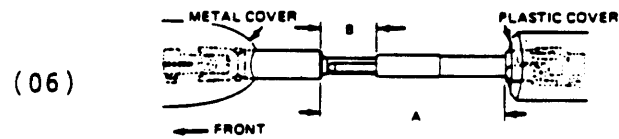
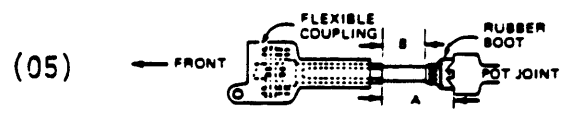
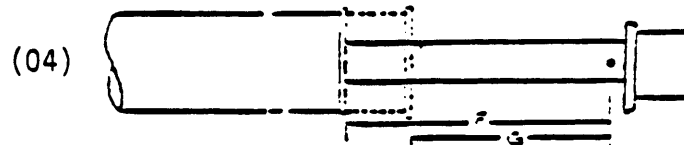
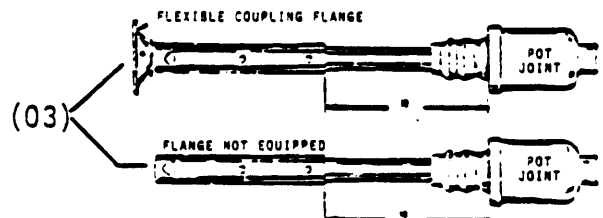
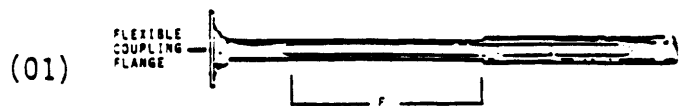
F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (991) NOT MEASURED/NO COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

$\frac{998}{31 \quad 33}$

ENGINE COMPARTMENT TELESCOPING UNIT TYPES



EXTERIOR DAMAGE ED-3

LEFT-SIDE BODY MOUNT
 DID BODY MOUNT SEPARATE
 (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

0
34

LEFT DOORS
 HOW DID DOORS
 OPEN DURING COLLISION-
 USE CODES:
 (0) DOOR DID NOT OPEN
 OPENED BECAUSE OF
 (1) HINGE AREA SEPARATION
 (2) DOOR-LATCH SEPARATION
 (3) LATCH-STRIKER SEPARATION
 (4) STRIKER-PILLAR SEPARATION
 (5) BODY DISTORTION
 (6) COMBINATION OF ABOVE
 (CIRCLE EACH)
 (7) OPENED, REASON UNKNOWN
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN
 -FRONT
 -REAR

0
43
0
44

LEFT PILLARS *
 PILLARS SEPARATED COMPLETELY-
 USE CODES:
 (0) NO
 (1) YES
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN
 -A-PILLAR, UPPER
 LOWER
 -B-PILLAR, UPPER
 LOWER
 -C-PILLAR, UPPER
 LOWER
 -D-PILLAR, UPPER
 LOWER

0
35
0
36
0
37
0
38
0
39
0
40
0
41
8
42

DOORS JAMMED CLOSED-
 USE CODES:
 (0) NO
 (1) YES
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN
 -FRONT
 -REAR

0
45
0
46

*
 (CIRCLE RESPONSE IF DAMAGED)

EXTERIOR DAMAGE ED-4

REAR DOOR

REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

0
47

HOW DID DOOR OPEN DURING COLLISION

- (0) DOOR DID NOT OPEN

8
45

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE (CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

8
41

OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA DAMAGED DURING COLLISION

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

0
30

SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (9) UNKNOWN

9
31

TRAILER HITCH TYPE

- (0) NO HITCH

0
32

BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NOT-EQUALIZING)
- (4) LOAD EQUALIZING

OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (EXCL. BUCK)
- (7) OTHER (E.G. CREEPER-AND-PIV)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

TRAILER TYPE (AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER:
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

0
33

EXTERIOR DAMAGE ED-5

RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

0
34

RIGHT DOORS

HOW DID DOORS
OPEN DURING COLLISION-

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION
- (02) DOOR-LATCH SEPARATION
- (03) LATCH-STRIKER SEPARATION
- (04) STRIKER-PILLAR SEPARATION
- (05) BODY DISTORTION
- (06) COMBINATION OF ABOVE
(CIRCLE EACH)
- (07) OPENED, REASON UNKNOWN
- (11) VAN RIGHT-REAR DOOR OPENED
(ANY MECHANISM)

(98) NOT APPLICABLE (NO DOOR)
(99) UNKNOWN

RIGHT PILLARS *

PILLARS SEPARATED COMPLETELY-

USE CODES

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

-A-PILLAR, UPPER

0
36

LOWER

0
36

-B-PILLAR, UPPER

0
37

LOWER

0
38

-C-PILLAR, UPPER

0
39

LOWER

0
40

-D-PILLAR, UPPER

0
41

LOWER

0
42

-FRONT

00
63

-REAR

00
65

DOORS JAMMED CLOSED-

USE CODES:

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

-FRONT

0
67

-REAR

0
68

VAN RIGHT-REAR DOOR TYPE

- (0) VAN, NO RIGHT-REAR DOOR
- (1) TRACK (SLIDING)
- (2) SINGLE-HINGED
- (3) DOUBLE-HINGED
- (8) NOT APPLICABLE (NOT A VAN)
- (9) UNKNOWN

0
69

*

(CIRCLE RESPONSE IF DAMAGED)

EXTERIOR DAMAGE ED-6

WINDSHIELD DAMAGE

WINDSHIELD CRACKED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

0
70

WINDSHIELD BROKEN
(PLASTIC INTERLAYER TORN)

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

8
71

CRACKED OR BROKEN
BY OCCUPANT CONTACT

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

8
72

EXTENT OF BOND SEPARATION

- (0) NONE
- (1) 1-20%
- (2) 21-40
- (3) 41-60
- (4) 61-80
- (5) 81-99
- (6) TOTAL
- (7) SEPARATED, AMOUNT UNKNOWN
- (8) NO WINDSHIELD
- (9) UNKNOWN IF SEPARATED

0
73

WINDSHIELD MARK

DRAW GLASS MANUFACTURER'S WINDSHIELD MARK (LOCATED ALONG BOTTOM OF WINDSHIELD AT CENTER OR AT ONE CORNER). EXAMPLE OF TYPICAL MARK:

SAFETY GLASS PLATE
Laminated
1970-1972

WINDSHIELD MARK ON CASE VEHICLE:

NISSAN
 (W) LAM SAFE
 LP <^> ASAH

WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED
- (98) NOT APPLICABLE (NO WINDSHIELD)
- (99) UNKNOWN

97
75

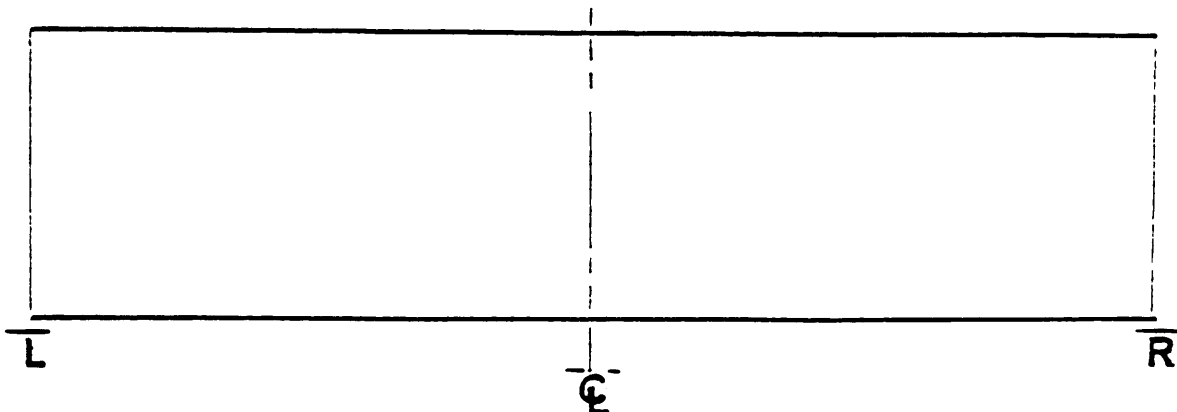
ROOF

DID T-ROOF/SUN ROOF OPEN
DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NOT A T-ROOF OR SUN ROOF)
- (9) UNKNOWN

0
76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.



Duplicate columns 1-8 from the previous card.

Module S C
9 10

Format 0 1
11 12

STEERING WHEEL AND COLUMN SC-1

STEERING WHEEL *

STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN


13

NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

4
14

STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

0
15

*

(INDICATE OCCUPANT CONTACT BY CIRCLING RESPONSE)

STEERING COLUMN OPTIONS

TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

ELECTRIC

1
16

SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

0
17

TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

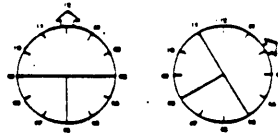
1
18

STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE NORMAL TOP OF THE WHEEL POINTED WHEN THE COLLISION OCCURRED?

EXAMPLES

o'clock - 12 o'clock - 02



(NORMAL STRAIGHT AHEAD)
(99) UNKNOWN

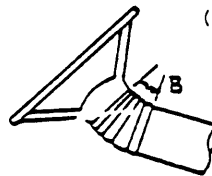
O'CLOCK -

10

STEERING WHL ENERGY ABSORBING DEVICE

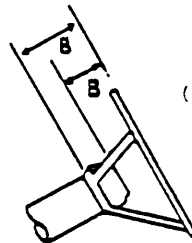
(1) EXAMPLES:

BARRACUDA, 70-74
CHALLENGER, 70-74
CARRI, 71-77



(2) EXAMPLES:

CMV, 73-
CORLEON, 73-



TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: _____
- (9) UNKNOWN IF EQUIPPED

0
19

ORIGINAL DIMENSION (mm)

A: _____

DAMAGE DIMENSION (mm)

B: _____

DIFFERENCE (mm)

A - B

- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

998
20 22

STEERING WHEEL AND COLUMN SC-2(A)

STEERING COL ENERGY ABSORBING DEVICE

TYPE OF DEVICE * (IF 27 OR 28)

- (00) NOT EQUIPPED
- (99) UNKNOWN

62
23

ORIGINAL LENGTH (mm)

C: _____

COMPRESSED LENGTH (mm)

D: _____

BRACKET DEFLECTION (IF CODED 38,
OR 48, OR 49 ABOVE)

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE: ±10)

- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

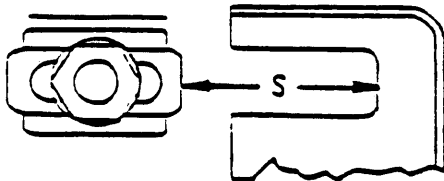
997
25 27

* (ADD A & B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT & RIGHT CAPSULES.)

LT:



RT:

- (991) NOT MEASURED/NO APPARENT SEPARATION
- (992) SEPARATED, AMOUNT UNKNOWN
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

998
28 30

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
- (1) UPWARD APPARENT ROTATION
- (2) DOWNWARD APPARENT ROTATION
- (9) UNKNOWN



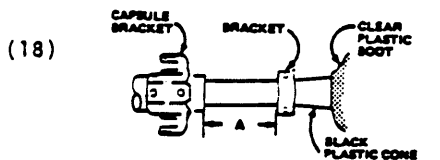
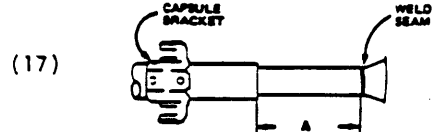
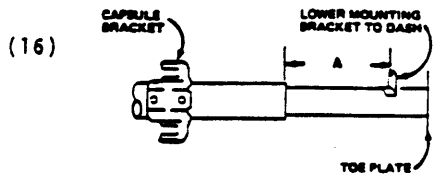
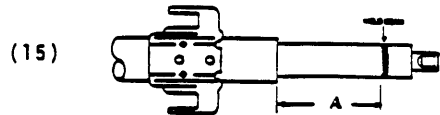
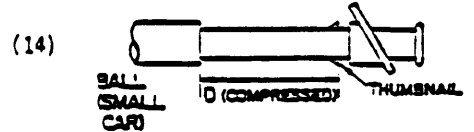
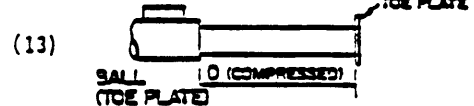
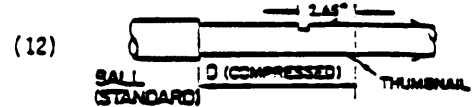
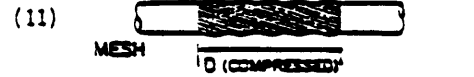
COLUMN LATERAL MOVEMENT

- (0) NO APPARENT MOVEMENT
- (1) LEFT APPARENT MOVEMENT
- (2) RIGHT APPARENT MOVEMENT
- (9) UNKNOWN

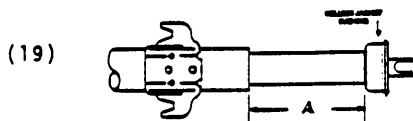
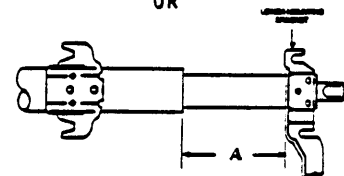


COLUMN DEVICE TYPES

GM



OR



AIRBAG SUPPLEMENT AB-1

AIRBAG SYSTEM DAMAGE

- CODES: (1) Yes, Damaged
 (0) No, Intact
 (9) Unknown

AIRBAG MODULE 0
 SENSORS: Left 0
 Right 0

CONDITION OF DEPLOYED BAG

- (1) Bag Intact 1
 (2) Split or Torn
 (3) Cut by object in Impact
 (4) Cut after accident
 (5) Other
 (9) Unknown

STEERING RIM/HUB DAMAGE: *none*

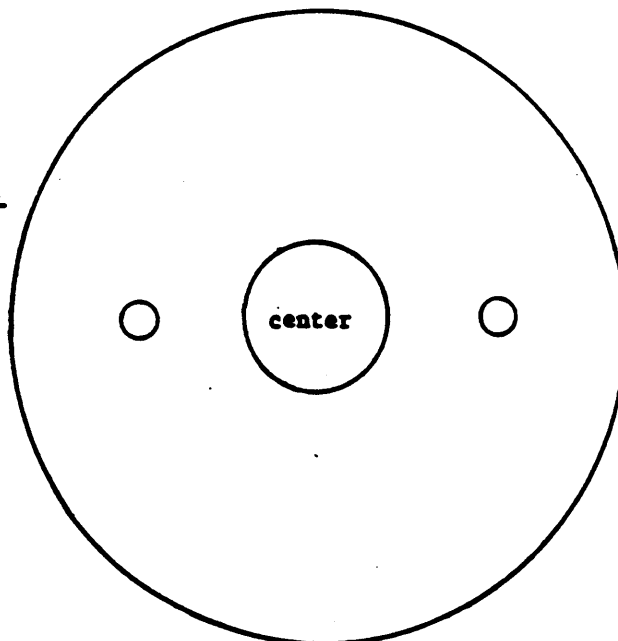
AIRBAG NUMBER:

[REDACTED]

NOTE DAMAGE AND CONTACT MARKS ON AIRBAG DIAGRAM BELOW:

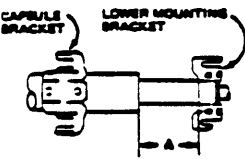
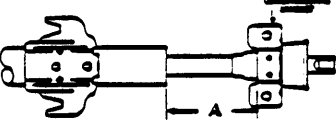
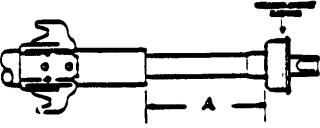
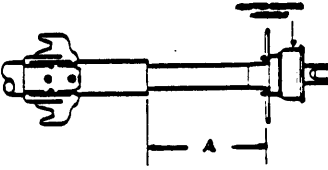

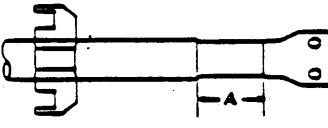

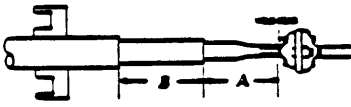
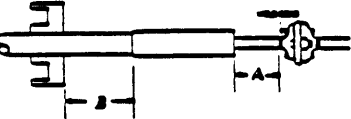
DESCRIBE ANY AIRBAG CONTACT OR DAMAGE:

none

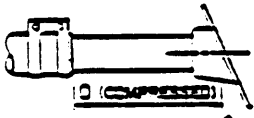
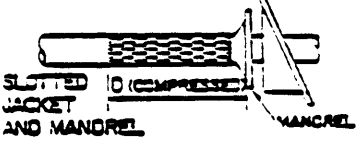
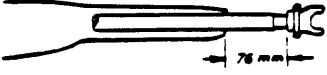
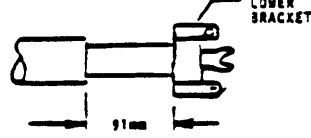
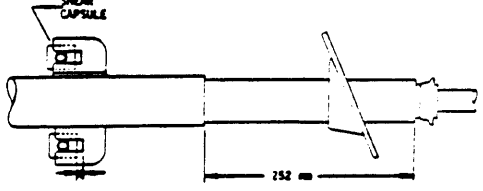
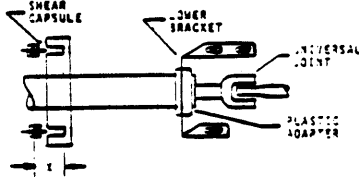
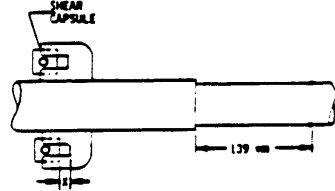
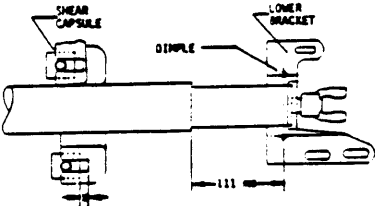


COLUMN DEVICE TYPES

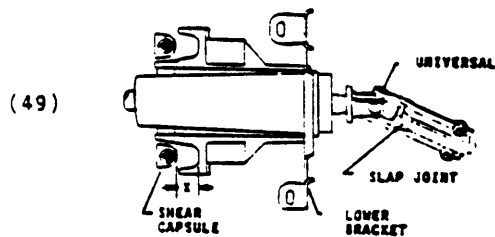
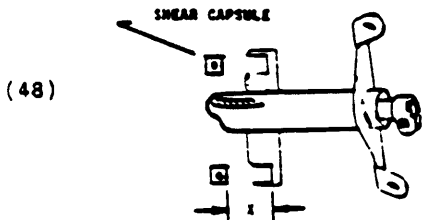
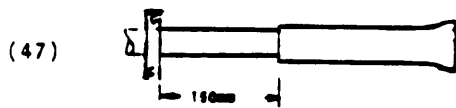
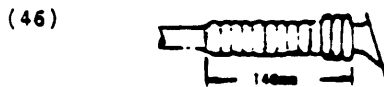
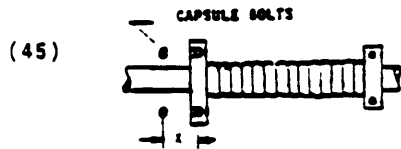
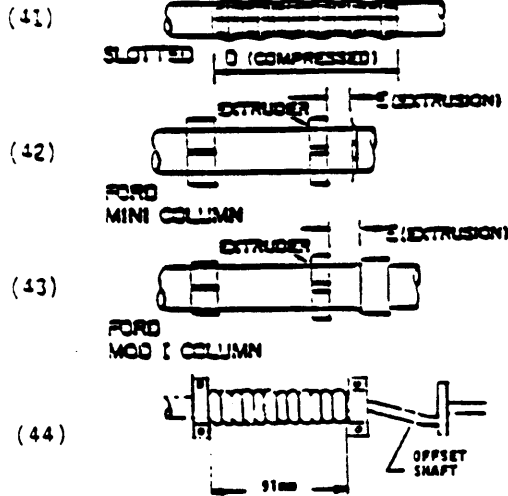
GM (CONT.)

- (20) 
- (21) 
- (22) 
- (23) 
- (24) 
- (25) 
- (26) 
- * (27) 
- * (28) 

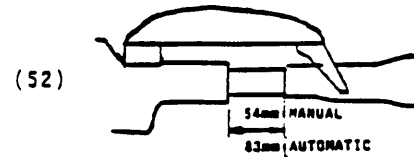
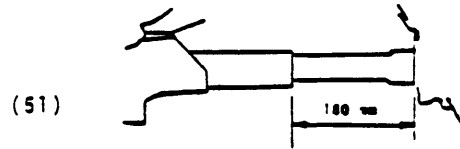
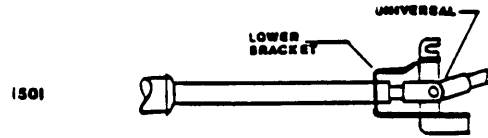
CHRYSLER

- (31) 
- (32) 
- (33) 
- (34) 
- (35) 
- (36) 
- (37) 
- (38) 

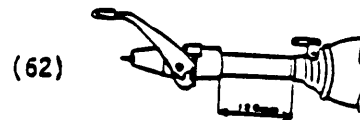
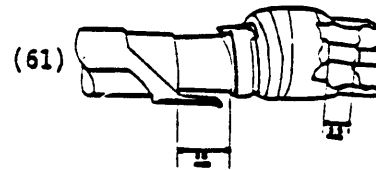
FORD



TOYOTA



NISSAN



CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- (1) LEFT (3) RIGHT INDIVIDUAL SEAT
- (1) LEFT (2) CENTER (3) RIGHT BENCH: FULL WIDTH 3 PASSENGER
- (1) LEFT (2) LEFT CENTER (6) RIGHT CENTER (3) RIGHT BENCH: FULL WIDTH 4 PASSENGER
- (1) LEFT (2) CENTER (5) RIGHT & BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
- (0) LEFT & SPACE (2) CENTER (5) RIGHT & SPACE BENCH: PARTIAL WIDTH, CENTERED SPACE
- (4) ENTIRE VEHICLE WIDTH CARGO AREA

EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR
5 PASSENGERS

X	X	11	13
X	X	21	22 23

VAN
12 PASSENGER CAPACITY

X	X	11	13
X	X	21	22 25
X	X	31	32 35
X	X	41	42 45 43

CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)
- (Y) Y-AXIS (LATERAL)
- (Z) Z-AXIS (VERTICAL)

CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	CONTACT
(00)	(00)	NO CONTACT
(**)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) or (99)	UNKNOWN IF CONTACT

INTRUSION IT-2

CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

INDIVIDUAL COMPONENT

INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (DESCRIBE)
- (26) UNKNOWN INTERNAL SURFACES

EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER COMPARTMENT
BUT PART OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE, JACK. DESCRIBE.)
- (49) UNKNOWN EXTERNAL OBJECT

GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

USE ONLY IF ALL THESE COMPONENTS
INTRUDED INTO A SINGLE OCCUPANT SPACE.

- (50) WINDSHIELD HEADER
A-PILLAR
ROOF SIDE RAIL
- (51) INSTRUMENT PANEL
A-PILLAR
DOOR PANEL
- (52) INSTRUMENT PANEL
A-PILLAR
WINDSHIELD HEADER
- (53) DOOR PANEL
B-PILLAR
ROOF RAIL
- (54) DOOR PANEL
A-PILLAR
ROOF RAIL
- (55) INSTRUMENT PANEL
FLOOR PAN
A-PILLAR
DOOR FRAME
- (56) ROOF RAIL
A-PILLAR
B-PILLAR
WINDOW FRAME
- (57) ROOF RAIL
A-PILLAR
B-PILLAR
C-PILLAR
DOOR PANEL
- (58) ROOF
ROOF RAIL
WINDOW FRAME
DOOR PANEL
- (59) BACKLIGHT HEADER
ROOF
C-PILLAR
THIRD SEAT-BACK
- (60) ROOF
ROOF RAIL
A-PILLAR
B-PILLAR
C-PILLAR
WINDOW FRAME
DOOR PANEL
FLOOR PAN
- (61) INSTRUMENT PANEL
TOE PAN
WINDSHIELD HEADER
A-PILLAR
ROOF RAIL
WINDOW FRAME
DOOR PANEL
ROOF
- (62) ROOF
ROOF RAIL
C-PILLAR
WINDOW FRAME
FLOOR PAN
SECOND SEAT
DOOR PANEL
- (63) ROOF RAIL
ROOF
B-PILLAR
WINDOW FRAME
FLOOR PAN
DOOR PANEL
SECOND SEAT
FRONT SEAT
- (64) ROOF RAIL
ROOF OR CONVERTIBLE TOP
A-PILLAR
B-PILLAR
WINDOW FRAME
WINDSHIELD HEADER

(98) NOT APPLICABLE

(99) UNKNOWN

Duplicate columns 1-8 from the previous card. Module $\frac{I}{9} \frac{T}{10}$ Format $\frac{0}{11} \frac{1}{12}$

INTRUSION IT-3

WAS THERE OCCUPANT COMPARTMENT INTRUSION ¹³

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.
- (1) YES ANSWER NEXT QUESTION.

WAS INTRUSION CATASTROPHIC ¹⁴

- (0) NO COMPLETE PAGE.
- (1) YES SKIP PAGE.

Duplicate columns 1-8 from the previous card. Module $\frac{I}{9} \frac{T}{10}$ Format $\frac{0}{11} \frac{2}{12}$

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1-12 for each completed line.

INTRUSIONS

CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.
 CODES FOR B, F, G, H, I, J ON PAGE IT-1
 CODES FOR C ON PAGE IT-2

						OCCUPANT CONTACT AND INJURY			
A	B	C	D	E	F	G	H	I	J
INTRUSION NUMBER	OCCUPANT SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION (cm)	MEASURE-MENT AXIS	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22	23-24	25-26	27-28	29-30
<u>0</u> <u>1</u>	---	---	---	---	---	---	---	---	---
<u>0</u> <u>2</u>	---	---	---	---	---	---	---	---	---
<u>0</u> <u>3</u>	---	---	---	---	---	---	---	---	---
<u>0</u> <u>4</u>	---	---	---	---	---	---	---	---	---
<u>0</u> <u>5</u>	---	---	---	---	---	---	---	---	---
<u>0</u> <u>6</u>	---	---	---	---	---	---	---	---	---
<u>0</u> <u>7</u>	---	---	---	---	---	---	---	---	---

Duplicate columns 1-12 for each line.

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8 from the previous card. Module $\frac{I}{9} \frac{T}{10}$ Format $\frac{0}{11} \frac{3}{12}$

NOTE: IF NO SIDE DOOR INTRUSION, SKIP REMAINDER OF PAGE.

SIDE DOOR INTRUSION RESULTED FROM

INTRUSION NUMBER	CAUSE	CODES FOR CAUSE:
<u>13</u> ---	<u>15</u>	(1) DIRECT IMPACT
<u>16</u> ---	<u>15</u>	(2) INDUCED DAMAGE
<u>19</u> ---	<u>21</u>	(9) UNKNOWN

IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED DOOR INTRUSION, CODE COMPONENT

	INTRUSION NUMBER	DAMAGED COMPONENT 1	DAMAGED COMPONENT 2	CODES FOR COMPONENTS:
A	<u>22</u> ---	---	<u>25</u>	(0) NONE (1) A-PILLAR (2) B-PILLAR (3) C-PILLAR (4) LATCH/STRIKER (5) HINGES (7) OTHER: _____
B	<u>26</u> ---	---	<u>29</u>	
C	<u>30</u> ---	---	<u>33</u>	
D	<u>34</u> ---	---	<u>37</u>	(8) NOT APPLICABLE (9) UNKNOWN

Duplicate columns 1-8 from the previous card. Module $\frac{I}{9} \frac{T}{10}$ Format $\frac{0}{11} \frac{2}{12}$

INTRUSION IT-4

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1-12 for each completed line.

— ADDITIONAL PAGE —

INTRUSIONS

CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.
 CODES FOR B, F, G, H, I, J ON PAGE IT-1
 CODES FOR C ON PAGE IT-2

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCCUPANT SPACE NO.	C INTRUDING COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E MAXIMUM INTRUSION (mm)	F MEASURE- MENT AXIS	G OCCUPANT NUMBER	H INJURY NUMBER	I OCCUPANT NUMBER	J INJURY NUMBER
13-14	15-16	17-18	19	20-21	22	23-24	25-26	27-28	29-30
0 8	---	---	---	---	---	---	---	---	---
0 9	---	---	---	---	---	---	---	---	---
1 0	---	---	---	---	---	---	---	---	---
1 1	---	---	---	---	---	---	---	---	---
1 2	---	---	---	---	---	---	---	---	---
1 3	---	---	---	---	---	---	---	---	---
1 4	---	---	---	---	---	---	---	---	---
1 5	---	---	---	---	---	---	---	---	---
1 6	---	---	---	---	---	---	---	---	---
1 7	---	---	---	---	---	---	---	---	---
1 8	---	---	---	---	---	---	---	---	---
1 9	---	---	---	---	---	---	---	---	---
2 0	---	---	---	---	---	---	---	---	---
2 1	---	---	---	---	---	---	---	---	---
2 2	---	---	---	---	---	---	---	---	---
2 3	---	---	---	---	---	---	---	---	---
2 4	---	---	---	---	---	---	---	---	---
2 5	---	---	---	---	---	---	---	---	---
2 6	---	---	---	---	---	---	---	---	---

Duplicate columns 1-12 for each line.

Duplicate columns 1-3 from the previous card.

Module $\frac{1}{4} \frac{0}{10}$ Format $\frac{0}{11} \frac{1}{12}$

INTERIOR DAMAGE ID-1

CODES: (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

INDICATE OCCUPANT CONTACT BY CIRCILING RESPONSE.

SIDES	LEFT	RIGHT	FRONT		INSTRUMENT PANEL	
	FRONT DOOR	<input type="radio"/> 13	<input type="radio"/> 14		FOOT CONTROLS	
FRONT HARDWARE	<input type="radio"/> 15	<input type="radio"/> 16	IGNITION KEYS	<input type="radio"/> 46	MID PANEL	<input type="radio"/> 56
FRONT ARMREST	<input type="radio"/> 17	<input type="radio"/> 18	REAR VIEW MIRROR	<input type="radio"/> 47	LOWER PANEL	<input type="radio"/> 57
FRONT GLASS	<input type="radio"/> 19	<input type="radio"/> 20	SUNVISOR/FITTINGS	<input type="radio"/> 48	ASHTRAY	<input type="radio"/> 58
REAR DOOR AREA	<input type="radio"/> 21	<input type="radio"/> 22	WINDSHIELD TOP MOLDINGS	<input type="radio"/> 49	CONTROL KNOBS & LEVERS	<input type="radio"/> 59
REAR HARDWARE	<input type="radio"/> 23	<input type="radio"/> 24	LEFT A-PILLAR (UPPER OR LOWER)	<input type="radio"/> 50	GLOVE COMPARTMENT AREA	<input type="radio"/> 60
REAR ARMREST	<input type="radio"/> 25	<input type="radio"/> 26	RIGHT A-PILLAR (UPPER OR LOWER)	<input type="radio"/> 51	INSTRUMENTS	<input type="radio"/> 61
REAR GLASS	<input type="radio"/> 27	<input type="radio"/> 28	CONSOLE	<input type="radio"/> 52	PARKING BRAKE RELEASE	<input type="radio"/> 62
ROOF SIDE RAIL	<input type="radio"/> 29	<input type="radio"/> 30	TRANSMISSION SELECTOR LEVER	<input type="radio"/> 53	PARKING BRAKE PEDAL	<input type="radio"/> 63
B-PILLAR	<input type="radio"/> 31	<input type="radio"/> 32	HORN, SPOKE SHROUD	<input type="radio"/> 54	A/C OR UPPER VENT OUTLETS	<input type="radio"/> 64
C-PILLAR	<input type="radio"/> 33	<input type="radio"/> 34			HEATER OR A/C DUCTS	<input type="radio"/> 65
D-PILLAR	<input type="radio"/> 35	<input type="radio"/> 36			RADIO	<input type="radio"/> 66
HEADLINING	<input type="radio"/> 37	<input type="radio"/> 38			OTHER: * _____	<input type="radio"/> 67
ROOF STRUCTURE	<input type="radio"/> 39	<input type="radio"/> 40				<input type="radio"/> 68
T-ROOF/SUN ROOF	<input type="radio"/> 41	<input type="radio"/> 42			REAR BACKLIGHT	<input type="radio"/> 69
OTHER: * _____	<input type="radio"/> 43	<input type="radio"/> 44			BACKLIGHT HEADER	<input type="radio"/> 70

* MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8 from the previous card.

Module $\frac{S}{4}$ $\frac{T}{16}$

Format $\frac{0}{11}$ $\frac{1}{12}$

SEATS ST-1

FRONT SEAT	DRIVER	PASSENGER	FRONT SEAT-BACK (CONT.)	DRIVER	PASSENGER
<p>TYPE OF FRONT SEAT</p> <p>(00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN</p>	<p><u>05</u> 13</p>	<p><u>05</u> 15</p>	<p>SEAT-BACK TYPE</p> <p>(1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: <u>ELECTRIC</u> (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>7</u> 30</p>	<p><u>7</u> 31</p>
<p>TYPE OF SEAT MOUNT</p> <p>(1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>1</u> 17</p>	<p><u>1</u> 18</p>	<p>SEAT-BACK LOCK TYPE</p> <p>(0) NONE (1) MANUAL (2) INERTIA (7) OTHER: <u>L</u> (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>2</u> 32</p>	<p><u>2</u> 33</p>
<p>SWIVEL MECHANISM EQUIPPED</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>0</u> 14</p>	<p><u>0</u> 20</p>	<p>LOCKS HELD</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>8</u> 34</p>	<p><u>8</u> 35</p>
<p>ORIGINAL EQUIPMENT SEATS</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>1</u> 21</p>	<p><u>1</u> 22</p>	<p>RECLINER MECHANISM HELD</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>8</u> 36</p>	<p><u>8</u> 37</p>
<p>CONTACT OF SEAT BY REAR OCCUPANT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>8</u> 23</p>	<p><u>8</u> 24</p>	<p>HEAD RESTRAINT</p> <p>HEAD RESTRAINT TYPE</p> <p>(0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>1</u> 38</p>	<p><u>1</u> 39</p>
<p>FRONT SEAT DAMAGE</p> <p>(0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>0</u> 25</p>	<p><u>0</u> 26</p>	<p>REMOVED PRE-CRASH</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>0</u> 40</p>	<p><u>0</u> 41</p>
<p>CENTER ARMREST DAMAGED</p> <p>(0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED</p>	<p><u>0</u> 27</p>		<p>ADJUSTMENT AT CRASH</p> <p>(1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>1</u> 42</p>	<p><u>2</u> 43</p>
<p>FRONT SEAT-BACK</p> <p>OBVIOUS SEAT-BACK ROTATION</p> <p>(0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>0</u> 28</p>	<p><u>0</u> 29</p>	<p>HEAD RESTRAINT DAMAGE</p> <p>(0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (3) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>0</u> 44</p>	<p><u>0</u> 45</p>

SEATS ST-2					
	DRIVER	PASSENGER	REAR SEAT	LEFT	RIGHT
FRONT SEAT ADJUSTMENT SEAT ADJUSTMENT TYPE (0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN	$\frac{2}{46}$	$\frac{2}{47}$	TYPE OF REAR SEAT (0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (9) UNKNOWN	$\frac{1}{56}$	$\frac{1}{57}$
ADJUSTMENT PROVIDED (1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	$\frac{1}{49}$	$\frac{1}{49}$	REAR SEAT DAMAGE (0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENED) (2) CUSHION ONLY (DAMAGED OR LOOSENED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENED) (8) NOT APPLICABLE (9) UNKNOWN	$\frac{0}{55}$	$\frac{0}{59}$
SEAT ADJUSTER DAMAGE (0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	$\frac{0}{50}$	$\frac{0}{51}$	CENTER ARMREST DAMAGED (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	$\frac{0}{56}$	
SEAT ADJUSTER SEPARATION (0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN	$\frac{0}{52}$	$\frac{0}{53}$	REAR SEAT-BACK LOCKS FOR THE FOLLOWING, USE: (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	LEFT	RIGHT
PRE-CRASH POSITION (1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN	$\frac{9}{54}$	$\frac{9}{55}$	LEFT OR CENTER, EQUIPPED LEFT OR CENTER, HELD (3) SEAT FOLDED DOWN RIGHT, EQUIPPED RIGHT, HELD (3) SEAT FOLDED DOWN	$\frac{0}{56}$ $\frac{0}{57}$	$\frac{0}{56}$ $\frac{0}{58}$
INVESTIGATOR'S NOTES: <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			THIRD SEAT EQUIPPED BACKREST DAMAGED CUSHION DAMAGED	$\frac{0}{71}$ $\frac{0}{73}$	$\frac{0}{72}$ $\frac{0}{74}$

NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,
ARE TO BE FILLED IN
FOR EACH CASE VEHICLE OCCUPANT,
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,
USE ADDITIONAL COPIES
OF PAGES OC-1, OC-2, OC-3,
AND IC-2 TO DESCRIBE THEM
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8 from the previous card.	Module	C	Format	0	1	12	OCCUPANT INFORMATION	OC-1								
<p>OCCUPANT IDENTIFICATION</p> <p>OCCUPANT NUMBER</p> <p>ROLE OF OCCUPANT AT 1ST IMPACT</p> <p>(1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN</p>	<u>01</u> 13						<p>PHYSICAL DESCRIPTION</p> <p>AGE IN YEARS</p> <p>(00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN</p> <p>AGE IN MONTHS</p> <p>(00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN</p> <p>MASS (kg)</p> <p>(999) UNKNOWN</p> <p>HEIGHT (cm)</p> <p>(999) UNKNOWN</p> <p>SEX</p> <p>(1) MALE (2) FEMALE (9) UNKNOWN</p>	<u>48</u> 20	<u>25</u> 22	<u>113</u> 24 26	<u>183</u> 27 29	<u>1</u> 3				
<p>OCCUPANT POSITION</p> <p>ROW LOCATION</p> <p>(1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN</p> <p>LATERAL LOCATION</p> <p>(1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN</p> <p>POSTURE</p> <p>(10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDEWAYS) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: (99) UNKNOWN</p>	<u>1</u> 16						<p>MEDICAL CONDITIONS</p> <p>TREATMENT/MORTALITY</p> <p>(00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL, DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN</p> <p>INJURY SEVERITY SCORE (ISS)</p> <p>(99) UNKNOWN</p> <p>NON-IMPACT MED. CONDITIONS</p> <p>(0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: (8) COMBINATION OF ABOVE (STROKE ETC) (9) UNKNOWN</p>	<u>1</u> 17						<u>00</u> 3	<u>05</u> 33	<u>0</u> 35
	<u>10</u> 18															

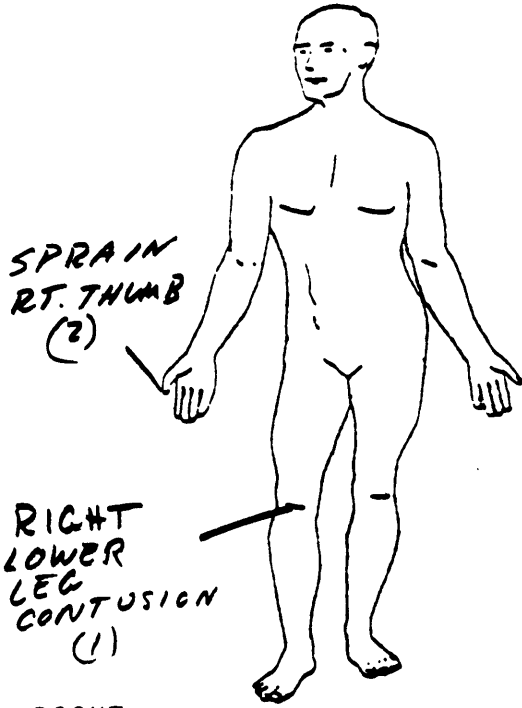


MEDICAL CONDITIONS (CONT.)		OCCUPANT INFORMATION	
<p>POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT</p> <p>(0) 0 - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO IMPACT (7) NON-FATAL INJURY, SEVERITY UNKNOWN (9) UNKNOWN</p>		<p>CHILD SEAT TYPE</p> <p>(00) NONE USED (01) YES, USED (38) NOT APPLICABLE (ADULT OR SEEBER SEAT) (99) UNKNOWN</p> <p>CHILD SEAT MAKE/MODEL</p>	
<p>RESTRAINT SYSTEM</p> <p>ACTIVE RESTRAINT SYSTEM</p> <p>(0) NONE (1) LAP BELT (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (9) UNKNOWN</p> <p>ACTIVE RESTRAINT SYSTEM USAGE</p> <p>(0) NONE (ATTACHABLE BUT NOT USED) (1) LAP BELT ONLY (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (9) IMPROPER USAGE (NOTE AVAILABLE) (9) NOT APPLICABLE (NOTE AVAILABLE) (9) UNKNOWN</p> <p>PASSIVE RESTRAINT SYSTEM</p> <p>(0) NONE (1) AIR BAG INSTALLED (2) PASSIVE UPPER TORSO WITH KNEE BOLSTERS (3) PASSIVE UPPER TORSO WITHOUT KNEE BOLSTERS (9) NONE AVAILABLE</p>		<p>EJECTION</p> <p>DEGREE OF EJECTION</p> <p>(0) NONE (1) PARTIAL (2) COMPLETE (3) EJECTED (9) UNKNOWN</p> <p>AREA OF EJECTION</p>	
		<p>7 36</p>	
		<p>3 1</p>	
		<p>3 38</p>	

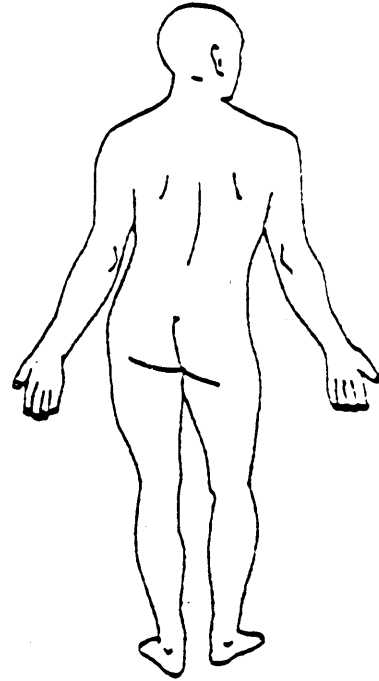
88

OCCUPANT INFORMATION OC-3

INDICATE LOCATION OF INJURIES, INCLUDING MAJOR BRUISES.

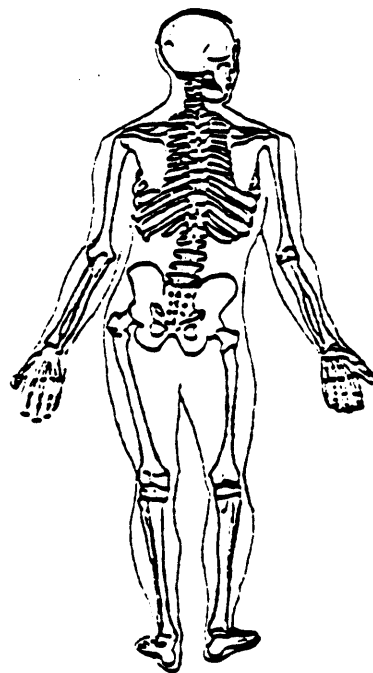
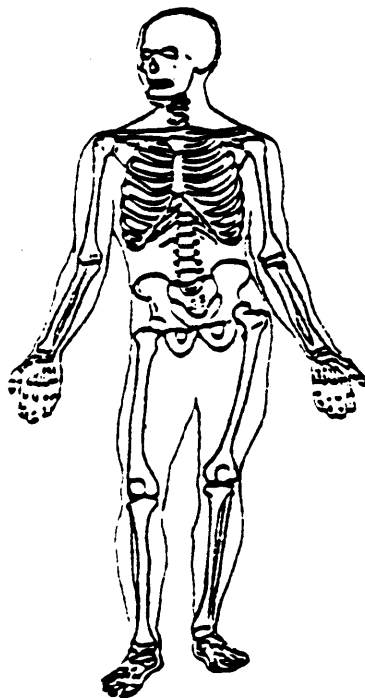


RIGHT



LEFT

RIGHT



INJURY CLASSIFICATION IC-1

CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

FRONT OF PASSENGER COMPARTMENT

- (12) WINDSHIELD
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (05) INSTRUMENT PANEL (SPECIFIC AREA UNKNOWN)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Z)
- (56) LOWER INSTRUMENT PANEL (J)
- (81) ASH TRAY (INSTRUMENT PANEL)
- (02) GLOVE COMPARTMENT AREA
- (47) AIR BAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (29) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (09) STEERING ASSEMBLY (SPECIFIC AREA UNKNOWN)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (SPECIFIC ITEM UNKNOWN)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (FRONT)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (BUZZER ET)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING

ROOF MOUNTED CONTROLS/CONSOLE

FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)

INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (LOCATION UNK.)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (LOCATION UNKNOWN)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (30) HEAD RESTRAINT
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIR BAG)
- (47) AIR BAG COMPARTMENT DOOR/COVER
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (FROM ANY SOURCE)
- (41) UNKNOWN INTERIOR SURFACE
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT

SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (SIDE)
- (21) WINDOW FRAMES (SIDE)
- (25) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

REAR

- (38) SURFACE OF REAR INTERIOR
- (23) BACKLIGHT (REAR WINDOW)
- (39) BACKLIGHT HEADER
- (50) REAR SEAT CUSHION & BACK

ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (SPECIFIC AREA UNKNOWN)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE HARDWARE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (52) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (SPECIFIC AREA UNK.)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (75) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.)

PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (DESCRIBE)

MISCELLANEOUS

- (38) OTHER (E.G. FIRE. DESCRIBE.)
- (90) SPARE TIRE
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT
- (00) NO CONTACT (INVALID FIELD FORM CODE)

Duplicate columns 1-8. Module $\frac{1}{9} \frac{C}{10}$ Format $\frac{0}{11} \frac{1}{12}$
 from the previous card.

INJURY CLASSIFICATION IC-2

NOTE: Each line in the table below is a separate record (card).
 Duplicate columns 1-12 for each completed line.

OCCUPANT INJURY CLASSIFICATION

OCCUPANT INJURY CLASSIFICATION					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
					BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY	BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY	
1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
01	01	56	--		L	R	C	I	1						
	02	87	65		W	R	S	J	1						

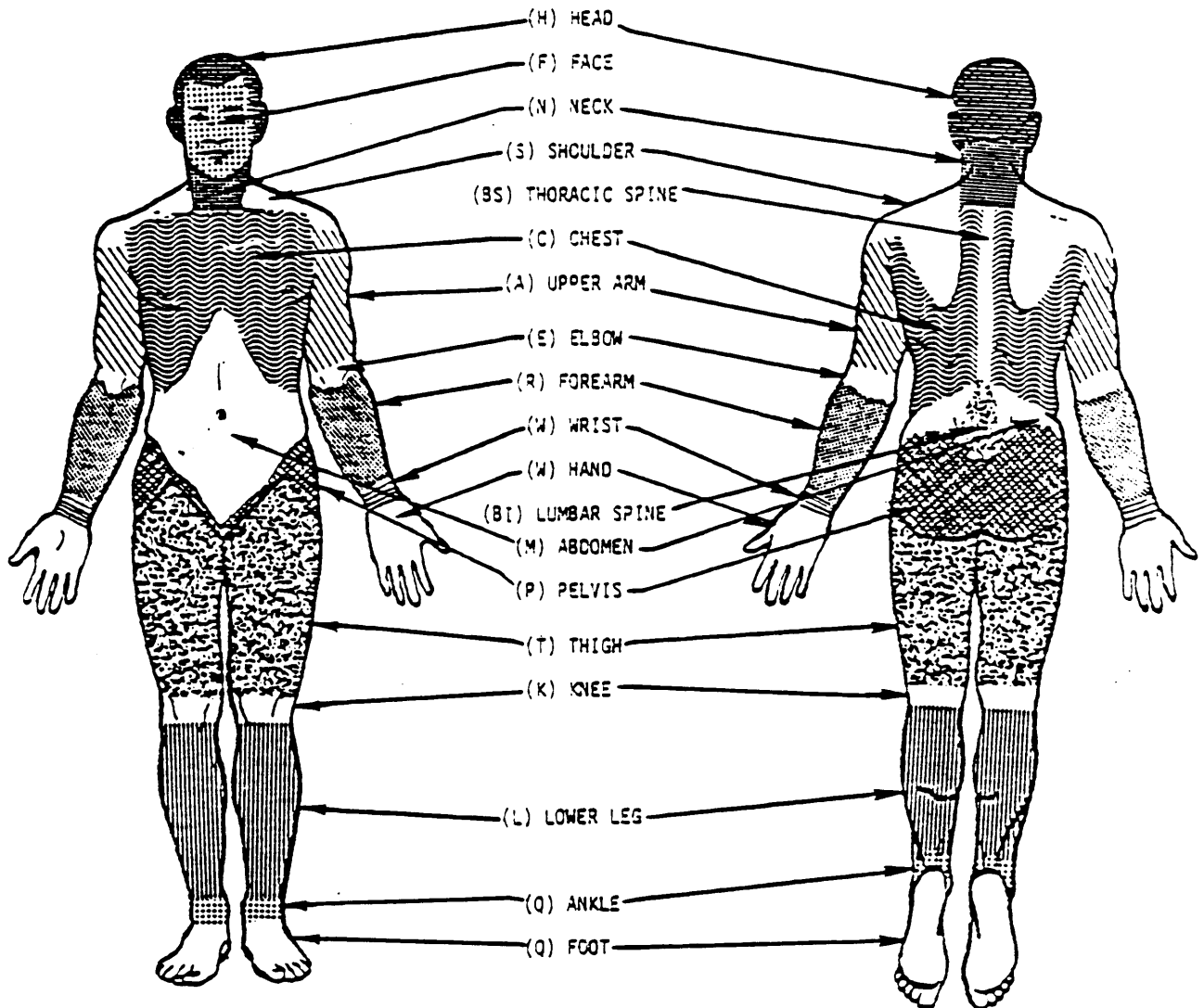
↑ Duplicate columns 1-12 for each line.

↑ Duplicate "Occupant Number" for each line.

NOTE: USE ADDITIONAL PAGES IF NECESSARY.

INJURY CLASSIFICATION IC-3

THE FIGURE BELOW
IS AN EXPLANATION OF THE BODY REGION CODES
LISTED ON PAGE IC-4.



INJURY CLASSIFICATION IC-4

CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION

- (H) HEAD/SKULL
- (F) FACE
- (N) NECK
- (S) SHOULDER
- (X) UPPER EXTREMITIES
- (A) ARM (UPPER)
- (E) ELBOW
- (R) FOREARM
- (W) WRIST/HAND
- (C) CHEST
- (M) ABDOMEN
- (B) BACK
- (P) PELVIC/HIP
- (Y) LOWER EXTREMITIES
- (T) THIGH
- (K) KNEE
- (L) LEG (LOWER)
- (Q) ANKLE/FOOT
- (O) WHOLE BODY
- (U) UNKNOWN

3 LESION

- (L) LACERATION
- (C) CONTUSION
- (A) ABRASION
- (F) FRACTURE
- (P) PERFORATION, PUNCTURE
- (K) CONCUSSION
- (V) AVULSION
- (R) RUPTURE
- (S) SPRAIN
- (D) DISLOCATION
- (N) CRUSH
- (M) AMPUTATION
- (B) BURN
- (G) DETACHMENT, SEPARATION
- (Z) FRACTURE AND DISLOCATION
- (T) STRAIN
- (E) TOTAL SEVERANCE, TRANSECTION
- (O) OTHER
- (U) UNKNOWN

4 SYSTEM/ORGAN

- (S) SKELETAL
- (V) VERTEBRAE
- (J) JOINTS
- (D) DIGESTIVE
- (L) LIVER
- (N) NERVOUS SYSTEM
- (B) BRAIN
- (C) SPINAL CORD
- (E) EARS
- (O) EYES
- (A) ARTERIES
- (H) HEART
- (Q) SPLEEN
- (G) UROGENITAL
- (K) KIDNEYS
- (R) RESPIRATORY
- (P) PULMONARY/LUNGS
- (M) MUSCLES
- (T) THYROID, OTHER ENDOCRINE GLAND
- (I) INTEGUMENTARY (SKIN)
- (W) ALL SYSTEMS IN REGION
- (U) UNKNOWN

2 ASPECT

- (R) RIGHT
- (L) LEFT
- (B) BILATERAL
- (C) CENTRAL
- (A) ANTERIOR/FRONT
- (P) POSTERIOR/BACK
- (S) SUPERIOR/UPPER
- (I) INFERIOR/LOWER
- (W) WHOLE REGION
- (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

5 SEVERITY

(OR "AIS", ABBREVIATED INJURY SCALE)

- (0) NONE
- (1) MINOR
- (2) MODERATE
- (3) SERIOUS
- (4) SEVERE
- (5) CRITICAL
- (6) MAXIMUM
- (9) UNKNOWN